

F&B Project 211162

Chain of Custody, Shipping & Receiving Documents, Sample Condition Checklist

SAMPLE CHAIN OF CUSTODY 11/10/22 VW1/02/VS-C1

21162 Jennifer Anderson
 Report To: LAB DATA ATTACHED @ ANCHOR2022.0EA.COM

Company: Anchor2022
 Address: 1201 3rd Ave, #26, Seattle, WA 98101
 City, State, ZIP: SEATTLE, WA 98101
 Phone: 206 267 9932 Email: JANDERSON@ANCHOR2022.0EA.COM

Project specific PIs? - Yes No

SAMPLERS (signature)	Project NAME	PO #
Stephien Smith	CANON CEMENT S	212280-01.01
REMARKS	INVOICE TO	
REMOVE FROM SITE	JANISUA @ ANCHOR2022.0EA.COM	

Page # 1 of 2

TURNAROUND TIME

Standard turnaround
 RUSH
 Rush charges authorized by: _____

SAMPLE DISPOSAL
 Archive samples
 Other _____
 Default: Dispose after 30 days

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	ANALYSES REQUESTED								Notes	
						NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082	% SOLIDS		
CC-SB-02-2.5-20221101	A-E	11/10/22	0920	Soil	5					X					RV 0.005
CC-SB-02-7.5-20221102	02	11/10/22	0935	Soil	5					X					for CYCLES
CC-SB-02-14-20221103	03	11/10/22	0945	Soil	5					X					REPORT
CC-SB-02-16-20221104	04	11/10/22	0955	Soil	5					X					PCC
CC-SB-02-22-20221105	05	11/10/22	1015	Soil	5					X					TCE
CC-SB-01-2.5-20221106	06	11/10/22	1040	Soil	5					X					CIS DCE
CC-MWD-2S-2.5-20221107	07	11/10/22	1120	Soil	5					X					TRANS DCE
CC-SB01-8-20221108	08	11/10/22	1140	Soil	5					X					VC
CC-SB01-12.5-20221109	09	11/10/22	1150	Soil	5					X					SP 11/11
CC-SB01-17.5-20221110	10	11/10/22	1200	Soil	5					X					

SIGNATURE		PRINT NAME		COMPANY		DATE		TIME	
Relinquished by: Stephien Smith	Stephien Smith	Anchor2022	Anchor2022	Anchor2022	Anchor2022	Anchor2022	11-10-22	1421	
Received by: [Signature]	ANH PHAM	Anchor2022	Anchor2022	Anchor2022	Anchor2022	Anchor2022	11/10/22	14:21	
Relinquished by:									
Received by:									

Friedman & Bruya, Inc.
 Ph. (206) 285-8282

Chain of Custody Record & Laboratory Analysis Request

Laboratory Number: **FBI**
 Date: **November 10, 2022**
 Project Name: **Carson Cleaners Remedial Investigation**
 Project Number: **212280-01.01**
 Project Manager: **Gavin Casson**
 Phone Number: **206-287-9130**
 Shipment Method: **Drop off**

Line	Field Sample ID	Collection Date/Time	Matrix	No. of Containers	Test Parameters										Comments/Preservation						
					VOCs	Total Solids															
1	CC-SB-02-SO-2.5-20221110	#####	0920	Soil	5	X	X														5035A kit / 2 oz jar for TS
2	CC-SB-02-SO-7.5-20221110	#####	0935	Soil	5	X	X														5035A kit / 2 oz jar for TS
3	CC-SB-02-SO-14-20221110	#####	0945	Soil	5	X	X														5035A kit / 2 oz jar for TS
4	CC-SB-02-SO-16-20221110	#####	0955	Soil	5	X	X														5035A kit / 2 oz jar for TS
5	CC-SB-02-SO-22-20221110	#####	1015	Soil	5	X	X														5035A kit / 2 oz jar for TS
6	CC-SB-01-SO-2.5-20221110	#####	1040	Soil	5	X	X														5035A kit / 2 oz jar for TS
7	CC-SB-01-SO-8-20221110	#####	1140	Soil	5	X	X														5035A kit / 2 oz jar for TS
8	CC-SB-01-SO-12.5-20221110	#####	1150	Soil	5	X	X														5035A kit / 2 oz jar for TS
9	CC-SB-01-SO-17.5-20221110	#####	1200	Soil	5	X	X														5035A kit / 2 oz jar for TS
10	CC-SB-01-SO-22-20221110	#####	1220	Soil	5	X	X														5035A kit / 2 oz jar for TS
11	CC-MW-2S-SO-2.5-20221110	#####	1120	Soil	5	X	X														5035A kit / 2 oz jar for TS
12	TB-20221110	#####		H2O	2	X															Trip blank provided by laboratory
13																					
14																					
15																					

Notes: See QAPP for analytes and methods



Relinquished By: _____ Company: **Anchor QEA, LLC**
 Signature/Printed Name _____ Date/Time _____

Received By: _____ Company: _____
 Signature/Printed Name _____ Date/Time _____

Relinquished By: _____ Company: _____
 Signature/Printed Name _____ Date/Time _____

Received By: _____ Company: _____
 Signature/Printed Name _____ Date/Time _____

SAMPLE CONDITION UPON RECEIPT CHECKLIST

PROJECT # 211162 CLIENT AQ INITIALS/ DATE: AP 11/10/22

If custody seals are present on cooler, are they intact? NA YES NO

Cooler/Sample temperature _____ °C 1

Were samples received on ice/cold packs? YES NO

How did samples arrive? Over the Counter
 Picked up by F&BI
 FedEx/UPS/GSO

Number of days samples have been sitting prior to receipt at laboratory 0 days

Is there a Chain-of-Custody* (COC)? YES NO
*or other representative documents, letters, and/or shipping memos

Are the samples clearly identified? (explain "no" answer below) YES NO

Is the following information provided on the COC* ? (explain "no" answer below)

Sample ID's	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	# of Containers	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Date Sampled	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Relinquished	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Time Sampled	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Requested analysis	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No

Were all sample containers received intact (i.e. not broken, leaking etc.)? (explain "no" answer below) YES NO

Were appropriate sample containers used? YES NO Unknown

If custody seals are present on samples, are they intact? NA YES NO

Are samples requiring no headspace, headspace free? NA YES NO

Air Samples: Were any additional canisters received? NA YES NO
 If Yes, number of unused 1L canisters _____
 number of unused 6L canisters _____

Explain "no" items from above (use the back if needed)

Percent Solids

8260

Sample ID	Solids	Solids Ratio	Moisture	% Moisture	Last Weighing
211162-01	0.90	1.10	0.10	10	11/17/2022
211162-02	0.86	1.16	0.14	14	11/17/2022
211162-03	0.86	1.16	0.14	14	11/17/2022
211162-04	0.86	1.16	0.14	14	11/17/2022
211162-05	0.80	1.24	0.20	20	11/17/2022
211162-06	0.86	1.16	0.14	14	11/17/2022
211162-07	0.89	1.12	0.11	11	11/17/2022
211162-08	0.93	1.07	0.07	7	11/17/2022
211162-09	0.86	1.16	0.14	14	11/17/2022
211162-10	0.85	1.17	0.15	15	11/17/2022
211162-11	0.80	1.24	0.20	20	11/17/2022

Laboratory Worksheets

VOC EXTRACTION WORKSHEET (WATER) NOV 23 '22 AM 8:24 HT

Project #: 211162
 Client: ACQ
 QC Batch ID: 2751 / 02-2819
 Samples checked against COC m

Date Received: 11/10/22
 Date Extracted: 11/23/22 11/14
 Date Analyzed: _____
 GCMS 4 11 13, Seq. Date ae

Analysis Method: <input checked="" type="checkbox"/> 8260 <input type="checkbox"/> 8260 SIM <input type="checkbox"/> 524.2 SIM <input type="checkbox"/> Other _____	Requested Analytes: <input type="checkbox"/> 8260 Normal List <input type="checkbox"/> MTBE <input type="checkbox"/> cVOCs <input checked="" type="checkbox"/> PCE/Daughters	<input type="checkbox"/> BTEX <input type="checkbox"/> BTEX+N <input type="checkbox"/> 524.2 Normal List <input type="checkbox"/> Other _____	Reporting Units: <input checked="" type="checkbox"/> µg/L (ppb) <input type="checkbox"/> Other _____	Extraction Method: <input checked="" type="checkbox"/> 5030 <input type="checkbox"/> HT
Due Date: <u>11/17/22</u> (see RLs)		<input type="checkbox"/> ve's not Acceptable <input type="checkbox"/> Dilutions Not Acceptable for Non-Detects <input type="checkbox"/> Need EDF		

Sample ID	pH	Sample Volume (mL)	Final Volume (mL)	Dilutions		Dilution Factor	Foamy Sample	Observations
				Amt. Extract	Amt. Solvent			
12A	22				mL	FS		VL 0.02
m	11/14		INVALID MB 11/23					PCS, TCE cis/trans DCE 0.05 ef
12B	22		4 Bml	-				rr, J
12B rr	11/30/22		↓	-				(rr), hs
11/23/22 DM								

Initials _____

✓	Volume	Conc. (ppm)	Compound(s)	Lot #	Initials	Date
	NA	NA	DI Water			
	Other					
	100 µl	250	Surrogate mix		JLM	11/23
	10 ppm Surr/IS Mix spiked at instr. to yield 10 ppb			67148	m	11/15
	25 ppm Surr/IS Mix spiked at instr. to yield 5 ppb					

Project Leader Initials: M
 NOTES: 12A INVALID MB. 12B VALID MB, J. 12B rr VALID MB, HS.
12B AND 12B rr REPORTED. 11/30/22 JLM

Calculated by m 11.16.22 Reviewed by JA 11/18/22
11/30/22 JLM m 11.30.22

BATCH ORGANIC EXTRACTION WORKSHEET

Date Extracted: 11/23/12 05:00

Technician: JM

QA Batch: **02-2819**

Matrix

- Soil
- Water
- Product
- Wipe
- Other _____

Solvent

- Methylene Chloride
- Acetone
- Methanol
- Hexane
- Other _____

Solvent
Lot # _____

Analysis

- Diesel
- Gas/BTEX
- HCID
- 8270 SIM
- 8270
- 8260
- PCB
- Organic Lead
- Methamphetamine
- Other _____

Clean Up: Florsil (FL) Copper (Cu)
 Silica Filtration H₂SO₄ Other _____

Sample ID	pH Waters only	Sample Weight/Volume	Extraction Solvent Volume	Final Volume	Dilutions		Clean Up (Circle)			Observations
					Amt. Extract	Amt. Solvent	Silica	FL Filter	Cu H ₂ SO ₄	
<u>M8</u>	<u>12</u>	<u>43mL</u>	<u>43mL</u>	<u>43mL</u>						
<u>M5</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>						
<u>M8</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>						
<u>"12/23/12 JM"</u>										
<u>M82</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>						
<u>"12/23/12 JM"</u>										

Initials _____

Samples in Batch

<u>21162</u>	<u>-12</u>				

Matrix Spikes:

8.6 μ L of 50 ppm of 8260 IS/SUR
Amount Concentration Analytes and Solvent

Lot # 68-04A Date/Initials 11/23/12 JM

Matrix Spikes:

_____ μ L of _____ ppm of _____
Amount Concentration Analytes and Solvent

Lot # _____

Surrogates:

5 μ L of 10 ppm of 8260 IS/SUR
Amount Concentration Analytes and Solvent

Lot # 67-148A

Internal Standards:

_____ μ L of _____ ppm of _____
Amount Concentration Analytes and Solvent

Lot # _____

Notes:

VOC EXTRACTION WORKSHEET (SOIL)

HT _____

Project #: 21162
 Client: ACQ
 QC Batch ID: 02-2750
 Samples checked against COC 17

Date Received: 11/10/22
 Date Extracted: NOV 11 '22 AM 9:20
 Date Analyzed: _____
 GCMS 4 11 13, Seq. Date _____

Analysis Method: <input checked="" type="checkbox"/> 8260 <input checked="" type="checkbox"/> 8260 SIM <input type="checkbox"/> 8260 Direct Sparge <input type="checkbox"/> Other _____ Due Date: <u>11/17</u>	Requested Analytes: <input type="checkbox"/> 8260 Normal List <input checked="" type="checkbox"/> PCE+Daughters <input type="checkbox"/> RBDM VOCs <input type="checkbox"/> BTEX N <div style="text-align: center; font-size: 2em; border: 1px solid black; border-radius: 50%; padding: 5px; display: inline-block;">4X MeOH</div>	Reporting Units: <input checked="" type="checkbox"/> mg/kg (ppm) <input type="checkbox"/> Other _____ <input type="checkbox"/> ve's not Acceptable <input type="checkbox"/> Dilutions Not Acceptable for Non-Detects <input type="checkbox"/> Need EDF	Extraction Method: <input checked="" type="checkbox"/> 5035 <input type="checkbox"/> Other _____
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Sample ID	Total Container Weight	Container Tare Weight	Sample Weight	Extraction Solvent Volume	Dilutions		Dilution Factor	Observations
					Amt. Extract	Amt. Solvent		
01	37.85	29.49	8.36	2.5	860	43 mL	1/25	RLS to
02	36.92	29.29	7.67	7.63	YA			0.005
03	35.41	29.51	5.90					Ⓢ
04	36.46	28.99	7.47					
05	37.45	29.73	7.72					
06	37.80	29.20	8.60					
07	36.24	29.16	7.08					
08	35.14	29.41	5.73					
09	36.39	29.23	7.16					
10	37.06	29.42	7.64					
11	35.89	29.36	6.53					
m 11/11								

Initials: -05+08 cc for carry over

	✓	Volume	Conc. (ppm)	Compound(s)	Lot #	Initials	Date
Solvent		NA	NA	Methanol			
Other							
Internal Standard(s)/ Surrogate(s)		100 µl	250	Surrogate mix			
		10 ppm Surr/IS Mix spiked at instr. to yield 10 ppb			67148	m	11/11
		50 ppm Surr/IS Mix spiked at instr. to yield 10 ppb					

Project Leader Initials: MG NOTES: _____

Calculated by: 11/17/22 JM Reviewed by: YA 11/21/22

BATCH ORGANIC EXTRACTION WORKSHEET

Date Extracted: 11.11.22

QA Batch: 02-2750 02-2752

Technician: LM

1/5 Im

- Matrix**
- Soil
 - Water
 - Product
 - Wipe
 - Other

- Solvent**
- Methylene Chloride
 - Acetone
 - Methanol
 - Hexane
 - Other

Solvent Lot # _____

Analysis

- Diesel
- Gas/BTEX
- HCID
- 8270 SIM
- 8270
- 8260
- PCB
- Organic Lead
- Methamphetamine
- Other

Clean Up: FlorsiL (FL) Copper (Cu) H₂SO₄ Other

Silica Filtration

Sample ID	pH Waters only	Sample Weight/Volume	Extraction Solvent Volume	Final Volume	Dilutions		Clean Up (Circle)			Observations
					Amt. Extract	Amt. Solvent	Silica	FL	Cu		H_{2}SO_{4}
<u>LCS</u>		<u>5g</u>	<u>2.4</u>		<u>2.5</u>	<u>4.5</u>				
<u>21103-01 MS</u>			<u>2.5</u>							
<u>MMS</u>										
<u>MMS 1/5</u>					<u>860</u>					
<u>LM</u>	<u>11/11/22</u>									
Initials										

Samples in Batch

<u>21162-01</u>		<u>-05</u>	<u>09</u>		<u>-02</u>
	<u>-02</u>	<u>-06</u>	<u>-10</u>		<u>-03</u>
	<u>-03</u>	<u>-07</u>	<u>-11</u>	<u>21160-03</u>	
	<u>-04</u>	<u>-08</u>	<u>21166-01</u>	<u>21163-01</u>	

Matrix Spikes:

8.6 μL of 50 ppm of 8260 LCS/MS

Lot # 07-177 LM 11/11

Matrix Spikes:

_____ μL of _____ ppm of _____

Lot # _____

Surrogates:

5 μL of 10 ppm of 8260 25MS

Lot # 07-148

Internal Standards:

_____ μL of _____ ppm of _____

Lot # _____

Notes:

EPA 8260D
MDLs

Reported MDL Data and Calculations

Analyst fill in all below (attach extraction worksheet(s))

Analysis: 8260 Standard(s) spiked: 63-150A, 63-166A, 65-52A, 65-56A
 Matrix: Soil Volume spiked: 1/2.5/25 uL into 5g sand and 2.5/2.5/2.475 mL MeOH
 Instrument ID: GCMS #13 Date(s) Extracted: 05/27/21, 05/28/21, 06/07/21, 06/08/21, 12/02/21, 12
 Reporting Units: mg/kg Date(s) Analyzed: 05/27/21, 05/28/21, 06/07/21, 06/08/21, 12/02/21, 12
 Date Calculated: 06/01/21, 06/09/21, 12/07/21, 12/10/21, 12/13/21
 Calculation Analyst: JCM, WE, AEN, AS

Analyte	(StdDev*2.998)	(2*MDL)	(5*MDL)	Std Dev	Mean	Spike Level	% Rec.
	MDL	PQL	PQL				
Ethanol							
Dichlorodifluoromethane	0.0104	0.021	0.052	0.003	0.014	0.025	55
Chloromethane	0.0193	0.039	0.096	0.006	0.020	0.025	79
Vinyl chloride	0.0019	0.004	0.009	0.001	0.004	0.005	86
Bromomethane	0.1564	0.313	0.782	0.052	0.247	0.250	99
Chloroethane	0.0193	0.039	0.096	0.006	0.025	0.025	101
Trichlorofluoromethane	0.0109	0.022	0.054	0.004	0.023	0.025	92
2-Propanol							
Acetone	0.8998	1.800	4.499	0.300	1.490	1.250	119
1,1-Dichloroethene	0.0013	0.003	0.007	0.000	0.005	0.005	96
Hexane	0.0243	0.049	0.122	0.008	0.020	0.025	80
Methylene chloride	0.2104	0.421	1.052	0.070	0.283	0.250	113
t-Butyl alcohol (TBA)	0.7124	1.425	3.562	0.238	1.355	1.250	108
Methyl t-butyl ether (MTBE)	0.0033	0.007	0.016	0.001	0.005	0.005	107
trans-1,2-Dichloroethene	0.0020	0.004	0.010	0.001	0.005	0.005	109
Diisopropyl ether (DIPE)	0.0033	0.007	0.017	0.001	0.011	0.010	110
1,1-Dichloroethane	0.0015	0.003	0.007	0.000	0.005	0.005	104
Ethyl t-butyl ether (ETBE)	0.0045	0.009	0.023	0.002	0.010	0.010	102
2,2-Dichloropropane	0.0091	0.018	0.045	0.003	0.011	0.010	112
cis-1,2-Dichloroethene	0.0015	0.003	0.007	0.000	0.005	0.005	107
Chloroform	0.0047	0.009	0.023	0.002	0.011	0.010	113
2-Butanone (MEK)	0.5683	1.137	2.842	0.190	1.343	1.250	107
t-Amyl methyl ether (TAME)	0.0045	0.009	0.022	0.001	0.011	0.010	108
1,2-Dichloroethane (EDC)	0.0028	0.006	0.014	0.001	0.011	0.010	111
1,1,1-Trichloroethane	0.0012	0.002	0.006	0.000	0.005	0.005	103
1,1-Dichloropropene	0.0138	0.028	0.069	0.005	0.025	0.025	99
Carbon tetrachloride	0.0054	0.011	0.027	0.002	0.009	0.010	92
Benzene	0.0013	0.003	0.006	0.000	0.005	0.005	102
Trichloroethene	0.0020	0.004	0.010	0.001	0.011	0.010	106
1,2-Dichloropropane	0.0182	0.036	0.091	0.006	0.010	0.010	102
Bromodichloromethane	0.0038	0.008	0.019	0.001	0.010	0.010	97
Dibromomethane	0.0050	0.010	0.025	0.002	0.013	0.010	125
4-Methyl-2-pentanone	0.5539	1.108	2.770	0.185	1.221	1.250	98
cis-1,3-Dichloropropene	0.0143	0.029	0.071	0.005	0.025	0.025	101
Toluene	0.0013	0.003	0.007	0.000	0.006	0.005	115
trans-1,3-Dichloropropene	0.0180	0.036	0.090	0.006	0.026	0.025	105
1,1,2-Trichloroethane	0.0015	0.003	0.007	0.000	0.005	0.005	104
2-Hexanone	0.1101	0.220	0.550	0.037	0.145	0.125	116
1,3-Dichloropropane	0.0127	0.025	0.064	0.004	0.026	0.025	103
Tetrachloroethene	0.0022	0.004	0.011	0.001	0.006	0.005	119
Dibromochloromethane	0.0146	0.029	0.073	0.005	0.024	0.025	97
1,2-Dibromoethane (EDB)	0.0017	0.003	0.009	0.001	0.010	0.010	103
Chlorobenzene	0.0028	0.006	0.014	0.001	0.011	0.010	114
Ethylbenzene	0.0010	0.002	0.005	0.000	0.005	0.005	106
1,1,1,2-Tetrachloroethane	0.0035	0.007	0.017	0.001	0.010	0.010	101
m,p-Xylene	0.0020	0.004	0.010	0.001	0.010	0.010	104
o-Xylene	0.0007	0.001	0.004	0.000	0.005	0.005	100
Styrene	0.0099	0.020	0.049	0.003	0.023	0.025	91
Isopropylbenzene	0.0104	0.021	0.052	0.003	0.024	0.025	96
Bromoform	0.0151	0.030	0.075	0.005	0.023	0.025	91
n-Propylbenzene	0.0024	0.005	0.012	0.001	0.011	0.010	112
Bromobenzene	0.0118	0.024	0.059	0.004	0.025	0.025	101
1,3,5-Trimethylbenzene	0.0034	0.007	0.017	0.001	0.011	0.010	108
1,1,1,2-Tetrachloroethane	0.0122	0.024	0.061	0.004	0.026	0.025	105
1,2,3-Trichloropropane	0.0188	0.038	0.094	0.006	0.029	0.025	115
2-Chlorotoluene	0.0020	0.004	0.010	0.001	0.011	0.010	112
4-Chlorotoluene	0.0034	0.007	0.017	0.001	0.012	0.010	120
tert-Butylbenzene	0.0029	0.006	0.014	0.001	0.010	0.010	104
1,2,4-Trimethylbenzene	0.0021	0.004	0.010	0.001	0.011	0.010	114
sec-Butylbenzene	0.0029	0.006	0.014	0.001	0.011	0.010	107
p-Isopropyltoluene	0.0027	0.005	0.013	0.001	0.011	0.010	107
1,3-Dichlorobenzene	0.0048	0.010	0.024	0.002	0.012	0.010	116
1,4-Dichlorobenzene	0.0035	0.007	0.018	0.001	0.013	0.010	127
1,2-Dichlorobenzene	0.0032	0.006	0.016	0.001	0.011	0.010	114
1,2-Dibromo-3-chloropropane	0.1257	0.251	0.629	0.042	0.255	0.250	102
1,2,4-Trichlorobenzene	0.0035	0.007	0.017	0.001	0.013	0.010	132
Hexachlorobutadiene	0.0046	0.009	0.023	0.002	0.012	0.010	123
Naphthalene	0.0070	0.014	0.035	0.002	0.013	0.010	126
1,2,3-Trichlorobenzene	0.0132	0.026	0.066	0.004	0.026	0.025	103

Reported MDL Data and Calculations

Analyst fill in all below (attach extraction worksheet(s))

Analysis: 8260 Standard(s) spiked: 8260 Cal Std. (50/250 ppm)
 Matrix: Water Volume spiked: 4.3 uL (60-190a) and 8.6 uL (60-190b), 43 uL (60-190c)
 Instrument ID: GCMS #11 Date(s) Extracted: 05/04/21, 05/26/21, 08/30/21, 08/31/21, 12/08/21, 12/01/21
 Reporting Units: ug/L Date(s) Analyzed: 05/04/21, 05/26/21, 08/30/21, 08/31/21, 12/08/21, 12/01/21
 Date Calculated: 6/3/2021, 09/01/22, 09/24/21, 12/09/21, 12/10/21, 02/22/22
 Calculation Analyst: JCM, WE, AS

Analyte	(StdDev*2.998)	(2*MDL)	(5*MDL)	Std Dev	Mean	Spike Level	% Rec.
	MDL	PQL	PQL				
Ethanol							
Dichlorodifluoromethane	0.246	0.492	1.230	0.082	0.264	0.200	132
Chloromethane	1.615	3.230	8.074	0.539	5.331	5.000	107
Vinyl chloride	0.018	0.036	0.090	0.006	0.052	0.050	105
Bromomethane	3.116	6.232	15.579	1.039	5.948	5.000	119
Chloroethane	0.143	0.286	0.715	0.048	0.270	0.200	135
Trichlorofluoromethane	0.187	0.374	0.936	0.062	0.223	0.200	112
2-Propanol							
Acetone	4.651	9.301	23.254	1.551	12.835	10.000	128
1,1-Dichloroethene	0.034	0.069	0.172	0.011	0.063	0.050	126
Hexane	0.124	0.248	0.620	0.041	0.244	0.200	122
Methylene chloride	2.640	5.279	13.198	0.880	5.052	5.000	101
t-Butyl alcohol (TBA)	7.869	15.739	39.347	2.625	25.924	25.000	104
Methyl t-butyl ether (MTBE)	0.004	0.009	0.022	0.001	0.052	0.050	105
trans-1,2-Dichloroethene	0.035	0.069	0.173	0.012	0.215	0.200	107
Diisopropyl ether (DIPE)	0.049	0.099	0.247	0.017	0.203	0.200	101
1,1-Dichloroethane	0.006	0.012	0.030	0.002	0.024	0.020	121
Ethyl t-butyl ether (ETBE)	0.070	0.141	0.352	0.023	0.204	0.200	102
2,2-Dichloropropane	0.170	0.340	0.849	0.057	0.192	0.200	96
cis-1,2-Dichloroethene	0.016	0.031	0.078	0.005	0.059	0.050	117
Chloroform	0.050	0.100	0.251	0.017	0.214	0.200	107
2-Butanone (MEK)	2.997	5.994	14.985	1.000	11.380	10.000	114
t-Amyl methyl ether (TAME)	0.061	0.123	0.307	0.020	0.201	0.200	101
1,2-Dichloroethane (EDC)	0.051	0.101	0.253	0.017	0.218	0.200	109
1,1,1-Trichloroethane	0.007	0.014	0.035	0.002	0.025	0.020	123
1,1-Dichloropropene	0.122	0.244	0.609	0.041	0.208	0.200	104
Carbon tetrachloride	0.106	0.213	0.531	0.035	0.203	0.200	101
Benzene	0.017	0.034	0.086	0.006	0.027	0.020	137
Trichloroethene	0.045	0.089	0.223	0.015	0.064	0.050	128
1,2-Dichloropropane	0.144	0.288	0.721	0.048	0.213	0.200	107
Bromodichloromethane	0.092	0.184	0.461	0.031	0.202	0.200	101
Dibromomethane	0.090	0.179	0.448	0.030	0.220	0.200	110
4-Methyl-2-pentanone	0.474	0.948	2.371	0.158	0.902	1.000	90
cis-1,3-Dichloropropene	0.095	0.191	0.477	0.032	0.190	0.200	95
Toluene	0.040	0.081	0.201	0.013	0.025	0.020	123
trans-1,3-Dichloropropene	0.123	0.247	0.617	0.041	0.202	0.200	101
1,1,2-Trichloroethane	0.087	0.175	0.437	0.029	0.224	0.200	112
2-Hexanone	2.216	4.433	11.082	0.739	12.030	10.000	120
1,3-Dichloropropane	0.083	0.166	0.416	0.028	0.213	0.200	106
Tetrachloroethene	0.077	0.154	0.385	0.026	0.065	0.050	129
Dibromochloromethane	0.130	0.259	0.648	0.043	0.212	0.200	106
1,2-Dibromoethane (EDB)	0.045	0.089	0.223	0.015	0.213	0.200	106
Chlorobenzene	0.052	0.104	0.259	0.017	0.224	0.200	112
Ethylbenzene	0.025	0.049	0.123	0.008	0.026	0.020	128
1,1,1,2-Tetrachloroethane	0.094	0.188	0.470	0.031	0.212	0.200	106
m,p-Xylene	0.048	0.096	0.241	0.016	0.053	0.040	132
o-Xylene	0.019	0.039	0.097	0.006	0.026	0.020	128
Styrene	0.071	0.142	0.354	0.024	0.203	0.200	101
Isopropylbenzene	0.071	0.141	0.353	0.024	0.196	0.200	98
Bromoform	0.125	0.251	0.627	0.042	0.202	0.200	101
n-Propylbenzene	0.094	0.189	0.472	0.031	0.219	0.200	110
Bromobenzene	0.076	0.153	0.382	0.025	0.233	0.200	116
1,3,5-Trimethylbenzene	0.080	0.160	0.399	0.027	0.192	0.200	96
1,1,1,2,2-Tetrachloroethane	0.095	0.191	0.477	0.032	0.218	0.200	109
1,2,3-Trichloropropane	0.068	0.136	0.340	0.023	0.253	0.200	126
2-Chlorotoluene	0.096	0.193	0.482	0.032	0.227	0.200	113
4-Chlorotoluene	0.082	0.164	0.409	0.027	0.219	0.200	109
tert-Butylbenzene	0.076	0.153	0.382	0.025	0.205	0.200	103
1,2,4-Trimethylbenzene	0.074	0.148	0.370	0.025	0.187	0.200	94
sec-Butylbenzene	0.090	0.180	0.449	0.030	0.195	0.200	98
p-Isopropyltoluene	0.081	0.161	0.404	0.027	0.199	0.200	100
1,3-Dichlorobenzene	0.099	0.197	0.493	0.033	0.224	0.200	112
1,4-Dichlorobenzene	0.088	0.176	0.440	0.029	0.238	0.200	119
1,2-Dichlorobenzene	0.094	0.189	0.472	0.032	0.219	0.200	110
1,2-Dibromo-3-chloropropane	0.595	1.190	2.974	0.198	4.792	5.000	96
1,2,4-Trichlorobenzene	0.134	0.269	0.672	0.045	0.219	0.200	110
Hexachlorobutadiene	0.158	0.315	0.788	0.053	0.227	0.200	113
Naphthalene	0.195	0.390	0.974	0.065	0.237	0.200	119
1,2,3-Trichlorobenzene	0.114	0.228	0.569	0.038	0.208	0.200	104

Reported MDL Data and Calculations

Analyst fill in all below (attach extraction worksheet(s))

Analysis: 8260 Standard(s) spiked: 63-4A, 63-4B, 63-4C, 63-26A, 63-26B, 63-26C
 Matrix: Water Volume spiked: 4.3 uL (A), 8.6 uL (B), 17.2/43 uL (C)
 Instrument ID: GCMS #13 Date(s) Extracted: 05/27/21, 05/28/21, 06/07/21, 06/08/21, 12/02/21, 12/08/21
 Reporting Units: ug/L Date(s) Analyzed: 05/27/21, 05/28/21, 06/07/21, 06/08/21, 12/02/21, 12/08/21
 Date Calculated: 06/01/21, 06/09/21, 12/07/21, 12/10/21, 4/6/2022, 04/11/22
 Calculation Analyst: JCM, WE, AEN, AS

Analyte	(StdDev*2.998)	(2*MDL)	(5*MDL)	Std Dev	Mean	Spike Level	% Rec.
	MDL	PQL	PQL				
Ethanol							
Dichlorodifluoromethane	0.152	0.305	0.762	0.051	0.200	0.2	100
Chloromethane	1.096	2.191	5.478	0.365	5.441	5	109
Vinyl chloride	0.017	0.035	0.087	0.006	0.025	0.02	124
Bromomethane	1.853	3.707	9.267	0.618	6.097	5	122
Chloroethane	0.220	0.439	1.098	0.073	0.246	0.2	123
Trichlorofluoromethane	0.063	0.126	0.316	0.021	0.245	0.2	122
2-Propanol							
Acetone	4.490	8.980	22.450	1.498	12.426	10	124
1,1-Dichloroethene	0.015	0.031	0.077	0.005	0.056	0.05	112
Hexane	0.197	0.395	0.986	0.066	0.192	0.2	96
Methylene chloride	1.769	3.539	8.847	0.590	6.045	5	121
t-Butyl alcohol (TBA)	7.967	15.934	39.836	2.657	24.852	25	99
Methyl t-butyl ether (MTBE)	0.054	0.109	0.272	0.018	0.061	0.05	121
trans-1,2-Dichloroethene	0.021	0.043	0.106	0.007	0.058	0.05	116
Diisopropyl ether (DIPE)	0.039	0.078	0.195	0.013	0.201	0.2	100
1,1-Dichloroethane	0.013	0.026	0.066	0.004	0.054	0.05	108
Ethyl t-butyl ether (ETBE)	0.028	0.057	0.142	0.009	0.198	0.2	99
2,2-Dichloropropane	0.188	0.376	0.939	0.063	0.255	0.2	128
cis-1,2-Dichloroethene	0.015	0.029	0.073	0.005	0.057	0.05	114
Chloroform	0.049	0.099	0.246	0.016	0.215	0.2	107
2-Butanone (MEK)	1.862	3.723	9.308	0.621	10.875	10	109
t-Amyl methyl ether (TAME)	0.049	0.098	0.245	0.016	0.210	0.2	105
1,2-Dichloroethane (EDC)	0.097	0.194	0.485	0.032	0.229	0.2	114
1,1,1-Trichloroethane	0.012	0.025	0.062	0.004	0.054	0.05	109
1,1-Dichloropropene	0.060	0.120	0.299	0.020	0.199	0.2	100
Carbon tetrachloride	0.110	0.220	0.550	0.037	0.199	0.2	99
Benzene	0.018	0.036	0.089	0.006	0.025	0.02	124
Trichloroethene	0.032	0.064	0.159	0.011	0.059	0.05	117
1,2-Dichloropropane	0.133	0.266	0.666	0.044	0.218	0.2	109
Bromodichloromethane	0.061	0.121	0.303	0.020	0.215	0.2	108
Dibromomethane	0.043	0.087	0.216	0.014	0.229	0.2	114
4-Methyl-2-pentanone	1.975	3.951	9.877	0.659	25.044	25	100
cis-1,3-Dichloropropene	0.060	0.119	0.298	0.020	0.214	0.2	107
Toluene	0.018	0.035	0.088	0.006	0.060	0.05	119
trans-1,3-Dichloropropene	0.088	0.176	0.441	0.029	0.213	0.2	106
1,1,2-Trichloroethane	0.118	0.237	0.592	0.040	0.230	0.2	115
2-Hexanone	1.094	2.188	5.470	0.365	11.949	10	119
1,3-Dichloropropane	0.059	0.118	0.296	0.020	0.213	0.2	107
Tetrachloroethene	0.023	0.046	0.114	0.008	0.064	0.05	127
Dibromochloromethane	0.051	0.102	0.256	0.017	0.212	0.2	106
1,2-Dibromoethane (EDB)	0.022	0.043	0.108	0.007	0.059	0.05	118
Chlorobenzene	0.042	0.085	0.212	0.014	0.221	0.2	110
Ethylbenzene	0.016	0.033	0.082	0.005	0.028	0.02	141
1,1,1,2-Tetrachloroethane	0.065	0.130	0.324	0.022	0.217	0.2	108
m,p-Xylene	0.030	0.060	0.149	0.010	0.056	0.04	141
o-Xylene	0.011	0.022	0.054	0.004	0.026	0.02	132
Styrene	0.048	0.095	0.239	0.016	0.192	0.2	96
Isopropylbenzene	0.011	0.023	0.057	0.004	0.200	0.2	100
Bromoform	0.091	0.183	0.457	0.030	0.219	0.2	110
n-Propylbenzene	0.027	0.054	0.135	0.009	0.207	0.2	103
Bromobenzene	0.057	0.114	0.286	0.019	0.211	0.2	106
1,3,5-Trimethylbenzene	0.017	0.034	0.084	0.006	0.205	0.2	103
1,1,2,2-Tetrachloroethane	0.062	0.123	0.308	0.021	0.222	0.2	111
1,2,3-Trichloropropane	0.111	0.223	0.556	0.037	0.242	0.2	121
2-Chlorotoluene	0.039	0.078	0.194	0.013	0.210	0.2	105
4-Chlorotoluene	0.033	0.065	0.163	0.011	0.207	0.2	103
tert-Butylbenzene	0.021	0.042	0.106	0.007	0.201	0.2	100
1,2,4-Trimethylbenzene	0.039	0.079	0.197	0.013	0.204	0.2	102
sec-Butylbenzene	0.031	0.062	0.156	0.010	0.205	0.2	103
p-Isopropyltoluene	0.042	0.084	0.210	0.014	0.195	0.2	97
1,3-Dichlorobenzene	0.052	0.104	0.261	0.017	0.217	0.2	108
1,4-Dichlorobenzene	0.040	0.079	0.198	0.013	0.223	0.2	112
1,2-Dichlorobenzene	0.038	0.077	0.191	0.013	0.212	0.2	106
1,2-Dibromo-3-chloropropane	0.999	1.997	4.994	0.333	4.836	5	97
1,2,4-Trichlorobenzene	0.053	0.105	0.263	0.018	0.218	0.2	109
Hexachlorobutadiene	0.115	0.230	0.576	0.038	0.224	0.2	112
Naphthalene	0.111	0.222	0.555	0.037	0.227	0.2	113
1,2,3-Trichlorobenzene	0.036	0.071	0.178	0.012	0.225	0.2	113

EPA 8260D
Sequence Tables

Comment:

Operator: VM

Data Path: D:\GCMS13\GCMS13_Data\11-05-22\

Instrument Control Pre-Seq Cmd:

Data Analysis Pre-Seq Cmd:

Instrument Control Post-Seq Cmd:

Data Analysis Post-Seq Cmd:

Method Sections To Run

Full Method

Reprocessing Only

Sequence Barcode Options

On Mismatch, Inject Anyway

On Mismatch, Don't Inject

Barcode Disabled

Line	Type	ALS	File	Method	Sample Name/Misc Info
1)	Sample	100	110501	VM080322	rinse
2)	Sample	100	110502	VM080322	rinse
3)	Sample	1	110503	VM080322	50 ng BFB 67-152A
4)	Sample	100	110504	VM080322	rinse
5)	Sample	100	110505	VM080322	rinse
6)	Sample	2	110506	VM080322	0.02 ppb 8260 ICAL 67-177F
7)	Sample	3	110507	VM080322	0.04 ppb 8260 ICAL 67-177G
8)	Sample	4	110508	VM080322	0.1 ppb 8260 ICAL 67-177H
9)	Sample	5	110509	VM080322	0.2 ppb 8260 ICAL 67-177I
10)	Sample	6	110510	VM080322	0.5 ppb 8260 ICAL 67-177J
11)	Sample	7	110511	VM080322	1 ppb 8260 ICAL 67-177K
12)	Sample	8	110512	VM080322	2 ppb 8260 ICAL 67-177L
13)	Sample	9	110513	VM080322	5 ppb 8260 ICAL 67-177M
14)	Sample	10	110514	VM080322	10 ppb 8260 ICAL 67-177N
15)	Sample	11	110515	VM080322	20 ppb 8260 ICAL 67-177O
16)	Sample	12	110516	VM080322	50 ppb 8260 ICAL 67-177Q
17)	Sample	13	110517	VM080322	100 ppb 8260 ICAL 67-177S
18)	Sample	14	110518	VM080322	150 ppb 8260 ICAL 67-177T
19)	Sample	15	110519	VM080322	200 ppb 8260 ICAL 67-177U
20)	Sample	16	110520	VM080322	rinse vial
21)	Sample	17	110521	VM080322	10 ppb 8260 SCV 67-148
22)	Sample	100	110522	VM080322	rinse
23)	Sample	18	110523	VM080322	02-2625 lcs
24)	Sample	19	110524	VM080322	02-2625 lcsd
25)	Sample	100	110525	VM080322	rinse
26)	Sample	20	110526	VM080322	02-2625 mb
27)	Sample	21	110527	VM080322	02-2625 mb 1/0.25
28)	Sample	22	110528	VM080322	210370-01
29)	Sample	23	110529	VM080322	210370-02
30)	Sample	24	110530	VM080325	210370-03
31)	Sample	25	110531	VM080326	210370-04
32)	Sample	26	110532	VM080327	210370-10
33)	Sample	27	110533	VM080328	210370-11
34)	Sample	28	110534	VM080329	210370-12
35)	Sample	29	110535	VM080330	210370-13
36)	Sample	30	110536	VM080331	210370-14
37)	Sample	31	110537	VM080331	210370-17
38)	Sample	100	110538	VM080322	rinse

Injection Log

Data Directory: D:\Proc_GCMS13\11-05-22\

SampleName	MiscInfo	Vial	Multiplier	Injection Time
1) 110501.D rinse	VM080322.M water	100	1.000	05 Nov 2022 08:26 am
2) 110502.D rinse	VM080322.M water	100	1.000	05 Nov 2022 08:48 am
3) 110503.D 50 ng BFB 67-152A	VM080322.M water	<i>100</i> 1	1.000	05 Nov 2022 10:22 am
4) 110504.D rinse	VM080322.M water	100	1.000	05 Nov 2022 10:40 am
5) 110505.D rinse	VM080322.M water	100	1.000	05 Nov 2022 11:11 am
6) 110506.D 0.02 ppb 8260 ICAL..	VM080322.M soil/water	2	1.000	05 Nov 2022 11:34 am
7) 110507.D 0.04 ppb 8260 ICAL..	VM080322.M soil/water	3	1.000	05 Nov 2022 11:57 am
8) 110508.D 0.1 ppb 8260 ICAL ..	VM080322.M soil/water	4	1.000	05 Nov 2022 12:20 pm
9) 110509.D 0.2 ppb 8260 ICAL..	VM080322.M soil/water	5	1.000	05 Nov 2022 12:44 pm
10) 110510.D 0.5 ppb 8260 ICAL ..	VM080322.M soil/water	6	1.000	05 Nov 2022 01:07 pm
11) 110511.D 1 ppb 8260 ICAL 67..	VM080322.M soil/water	<i>7</i> 7	1.000	05 Nov 2022 01:30 pm
12) 110512.D 2 ppb 8260 ICAL 67..	VM080322.M soil/water	<i>8</i> 8	1.000	05 Nov 2022 01:53 pm
13) 110513.D 5 ppb 8260 ICAL 67..	VM080322.M soil/water	9	1.000	05 Nov 2022 02:16 pm
14) 110514.D 10 ppb 8260 ICAL 6..	VM080322.M soil/water	10	1.000	05 Nov 2022 02:39 pm
15) 110515.D 20 ppb 8260 ICAL 6..	VM080322.M soil/water	11	1.000	05 Nov 2022 03:03 pm
16) 110516.D 50 ppb 8260 ICAL 6..	VM080322.M soil/water	12	1.000	05 Nov 2022 03:26 pm
17) 110517.D 100 ppb 8260 ICAL ..	VM080322.M soil/water	13	1.000	05 Nov 2022 03:49 pm
18) 110518.D 150 ppb 8260 ICAL ..	VM080322.M soil/water	<i>14</i> 14	1.000	05 Nov 2022 04:12 pm
19) 110519.D 200 ppb 8260 ICAL ..	VM080322.M soil/water	<i>15</i> 15	1.000	05 Nov 2022 04:35 pm
20) 110520.D rinse vial	VM080322.M soil/water	16	1.000	05 Nov 2022 04:58 pm
21) 110521.D	VM080322.M			

10 ppb 8260 SCV 67.. soil/water *DM,* 17 *RE*.000 *on* 05 Nov *11.07.22* *05:22* pm

22) 110522.D VM080322.M
rinse soil/water 100 1.000 05 Nov 2022 05:45 pm

on 11.07.22

Comment:

Operator: LM

Data Path: D:\GCMS13\GCMS13_Data\11-07-22\

Instrument Control Pre-Seq Cmd:

Data Analysis Pre-Seq Cmd:

Instrument Control Post-Seq Cmd:

Data Analysis Post-Seq Cmd:

Method Sections To Run

(X) Full Method

() Reprocessing Only

Sequence Barcode Options

() On Mismatch, Inject Anyway

() On Mismatch, Don't Inject

(X) Barcode Disabled

m 11/8

Line	Type	ALS	File	Method	Sample Name/Misc Info
1)	Sample	100	110701	VM080322	Rinse
2)	Sample	1	110702	VM080322	10 ppb ccv 8260 67-177n
3)	Sample	2	110703	VM080322	02-2629 lcs
4)	Sample	3	110704	VM080322	02-2629 lcsd
5)	Sample	100	110705	VM080322	rinse
6)	Sample	4	110706	VM080322	10 ppb 8260 SCV 67-155
7)	Sample	100	110707	VM080322	rinse
8)	Sample	5	110708	VM080322	10 ppb ccv 8260 67-177n
9)	Sample	6	110709	VM080322	02-2625 lcs
10)	Sample	7	110710	VM080322	210364-03 ms
11)	Sample	8	110711	VM080322	210364-03 msd
12)	Sample	100	110712	VM080322	rinse
13)	Sample	9	110713	VM080322	02-2625 mb
14)	Sample	10	110714	VM080322	02-2625 mb 1/0.25
15)	Sample	11	110715	VM080322	210370-01 1/0.25
16)	Sample	12	110716	VM080322	210370-02 1/0.25
17)	Sample	13	110717	VM080322	210370-03 1/0.25
18)	Sample	14	110718	VM080322	210370-04 1/0.25
19)	Sample	15	110719	VM080322	210370-10 1/0.25
20)	Sample	16	110720	VM080322	210370-11 1/0.25
21)	Sample	17	110721	VM080322	210370-12 1/0.25
22)	Sample	18	110722	VM080322	210370-13 1/0.25
23)	Sample	19	110723	VM080322	210370-14 1/0.25
24)	Sample	20	110724	VM080322	210370-17 1/0.25
25)	Sample	21	110725	VM080322	210364-03 1/0.25
26)	Sample	22	110726	VM080322	210364-04 1/0.25
27)	Sample	23	110727	VM080322	210364-08 1/0.25
28)	Sample	24	110728	VM080322	210364-11 1/0.25
29)	Sample	25	110729	VM080322	210364-13 1/0.25
30)	Sample	26	110730	VM080322	210364-16 1/0.25
31)	Sample	27	110731	VM080322	210364-20 1/0.25
32)	Sample	28	110732	VM080322	210364-24 1/0.25
33)	Sample	29	110733	VM080322	210439-02 1/0.25
34)	Sample	30	110734	VM080322	210439-06 1/0.25
35)	Sample	31	110735	VM080322	210364-03
36)	Sample	100	110736	VM080322	rinse
37)	Sample	32	110737	VM080322	10 ppb ccv 8260 67-177n
38)	Sample	33	110738	VM080322	02-2629 lcs
39)	Sample	34	110739	VM080322	211091-01 ms
40)	Sample	35	110740	VM080322	211091-01 msd
41)	Sample	100	110741	VM080322	rinse

Sequence Name: D:\GCMS13\sequence\11-07-22.sequence.xml

Comment:

Operator: LM

Data Path: D:\GCMS13\GCMS13_Data\11-07-22\

Instrument Control Pre-Seq Cmd:

Data Analysis Pre-Seq Cmd:

Instrument Control Post-Seq Cmd:

Data Analysis Post-Seq Cmd:

Method Sections To Run

Full Method

Reprocessing Only

Sequence Barcode Options

On Mismatch, Inject Anyway

On Mismatch, Don't Inject

Barcode Disabled

42)	Sample	36	110742	VM080322	02-2629	mb
43)	Sample	37	110743	VM080322	02-2629	mb 1/0.25
44)	Sample	38	110744	VM080322	210409-01	1/0.25
45)	Sample	39	110745	VM080322	210409-02	1/0.25
46)	Sample	40	110746	VM080322	210409-04	1/0.25
47)	Sample	41	110747	VM080322	210409-10	1/0.25
48)	Sample	42	110748	VM080322	210409-11	1/0.25
49)	Sample	43	110749	VM080322	210409-13	1/0.25
50)	Sample	44	110750	VM080322	210409-15	1/0.25
51)	Sample	45	110751	VM080322	210409-18	1/0.25
52)	Sample	46	110752	VM080322	210409-21	1/0.25
53)	Sample	47	110753	VM080322	210409-22	1/0.25
54)	Sample	48	110754	VM080322	210409-23	1/0.25
55)	Sample	49	110755	VM080322	210409-25	1/0.25
56)	Sample	50	110756	VM080322	210409-29	1/0.25
57)	Sample	51	110757	VM080322	210409-32	1/0.25
58)	Sample	52	110758	VM080322	210409-33	1/0.25
59)	Sample	53	110759	VM080322	210409-34	1/0.25
60)	Sample	54	110760	VM080322	210409-36	1/0.25
61)	Sample	55	110761	VM080322	210409-41	1/0.25
62)	Sample	56	110762	VM080322	210409-42	1/0.25
63)	Sample	57	110763	VM080322	211091-01	
64)	Sample	100	110764	VM080322	rinse	

Injection Log

Data Directory: D:\Proc_GCMS13\11-07-22\

SampleName	MiscInfo	Vial	Multiplier	Injection Time
1) 110701.D Rinse	VM080322.M water	100	1.000	07 Nov 2022 07:21 am
2) 110702.D 10 ppb ccv 8260 67..	VM080322.M water/soil	1	1.000	07 Nov 2022 08:37 am
3) 110703.D 02-2629 lcs	VM080322.M water	2	1.000	07 Nov 2022 09:00 am
4) 110704.D 02-2629 lcsd	VM080322.M water	3	1.000	07 Nov 2022 09:23 am
5) 110705.D rinse	VM080322.M water	100	1.000	07 Nov 2022 09:46 am
6) 110706.D 10 ppb 8260 SCV 67..	VM080322.M soil/water	4	1.000	07 Nov 2022 10:34 am
7) 110707.D rinse	VM080322.M water	100	1.000	07 Nov 2022 10:57 am
8) 110708.D 10 ppb ccv 8260 67..	VM080322.M soil	5	1.000	07 Nov 2022 12:37 pm
9) 110709.D 02-2625 lcs	VM080322.M soil	6	1.000	07 Nov 2022 01:01 pm
10) 110710.D 210364-03 ms	VM080322.M soil	7	1.000	07 Nov 2022 01:24 pm
11) 110711.D 210364-03 msd	VM080322.M soil	8	1.000	07 Nov 2022 01:47 pm
12) 110712.D rinse	VM080322.M soil	100	1.000	07 Nov 2022 02:10 pm
13) 110713.D 02-2625 mb	VM080322.M soil	9	1.000	07 Nov 2022 02:33 pm
14) 110714.D 02-2625 mb 1/0.25	VM080322.M soil	10	1.000	07 Nov 2022 02:56 pm
15) 110715.D 210370-01 1/0.25	VM080322.M soil	11	1.000	07 Nov 2022 03:19 pm
16) 110716.D 210370-02 1/0.25	VM080322.M soil	12	1.000	07 Nov 2022 03:43 pm
17) 110717.D 210370-03 1/0.25	VM080322.M soil	13	1.000	07 Nov 2022 04:06 pm
18) 110718.D 210370-04 1/0.25	VM080322.M soil	14	1.000	07 Nov 2022 04:29 pm
19) 110719.D 210370-10 1/0.25	VM080322.M soil	15	1.000	07 Nov 2022 04:52 pm
20) 110720.D 210370-11 1/0.25	VM080322.M soil	16	1.000	07 Nov 2022 05:15 pm
21) 110721.D	VM080322.M			

210370-12 1/0.25	soil		17	1.000	07 Nov 2022	05:38 pm
22) 110722.D		VM080322.M				
210370-13 1/0.25	soil		18	1.000	07 Nov 2022	06:01 pm
23) 110723.D		VM080322.M				
210370-14 1/0.25	soil		19	1.000	07 Nov 2022	06:24 pm
24) 110724.D		VM080322.M				
210370-17 1/0.25	soil		20	1.000	07 Nov 2022	06:47 pm
25) 110725.D		VM080322.M				
210364-03 1/0.25	soil		21	1.000	07 Nov 2022	07:11 pm
26) 110726.D		VM080322.M				
210364-04 1/0.25	soil		22	1.000	07 Nov 2022	07:34 pm
27) 110727.D		VM080322.M				
210364-08 1/0.25	soil		23	1.000	07 Nov 2022	07:57 pm
28) 110728.D		VM080322.M				
210364-11 1/0.25	soil		24	1.000	07 Nov 2022	08:21 pm
29) 110729.D		VM080322.M				
210364-13 1/0.25	soil		25	1.000	07 Nov 2022	08:44 pm
30) 110730.D		VM080322.M				
210364-16 1/0.25	soil		26	1.000	07 Nov 2022	09:07 pm
31) 110731.D		VM080322.M				
210364-20 1/0.25	soil		27	1.000	07 Nov 2022	09:30 pm
32) 110732.D		VM080322.M				
210364-24 1/0.25	soil		28	1.000	07 Nov 2022	09:53 pm
33) 110733.D		VM080322.M				
210439-02 1/0.25	soil		29	1.000	07 Nov 2022	10:17 pm
34) 110734.D		VM080322.M				
210439-06 1/0.25	soil		30	1.000	07 Nov 2022	10:40 pm
35) 110735.D		VM080322.M				
210364-03	soil		31	1.000	07 Nov 2022	11:03 pm
36) 110736.D		VM080322.M				
rinse	soil		100	1.000	07 Nov 2022	11:26 pm
37) 110737.D		VM080322.M				
10 ppb ccv 8260 67..	soil		32	1.000	07 Nov 2022	11:49 pm
38) 110738.D		VM080322.M				
02-2629 lcs	soil		33	1.000	08 Nov 2022	12:12 am
39) 110739.D		VM080322.M				
211091-01 ms	soil		34	1.000	08 Nov 2022	12:35 am
40) 110740.D		VM080322.M				
211091-01 msd	soil		35	1.000	08 Nov 2022	12:58 am
41) 110741.D		VM080322.M				
rinse	soil		100	1.000	08 Nov 2022	01:21 am
42) 110742.D		VM080322.M				
02-2629 mb	soil		36	1.000	08 Nov 2022	01:44 am
43) 110743.D		VM080322.M				
02-2629 mb 1/0.25	soil		37	1.000	08 Nov 2022	02:07 am

44) 110744.D		VM080322.M					
210409-01 1/0.25	soil		38	1.000	08 Nov 2022	02:30	am
45) 110745.D		VM080322.M					
210409-02 1/0.25	soil		39	1.000	08 Nov 2022	02:53	am
46) 110746.D		VM080322.M					
210409-04 1/0.25	soil		40	1.000	08 Nov 2022	03:16	am
47) 110747.D		VM080322.M					
210409-10 1/0.25	soil		41	1.000	08 Nov 2022	03:39	am
48) 110748.D		VM080322.M					
210409-11 1/0.25	soil		42	1.000	08 Nov 2022	04:02	am
49) 110749.D		VM080322.M					
210409-13 1/0.25	soil		43	1.000	08 Nov 2022	04:25	am
50) 110750.D		VM080322.M					
210409-15 1/0.25	soil		44	1.000	08 Nov 2022	04:48	am
51) 110751.D		VM080322.M					
210409-18 1/0.25	soil		45	1.000	08 Nov 2022	05:11	am
52) 110752.D		VM080322.M					
210409-21 1/0.25	soil		46	1.000	08 Nov 2022	05:34	am
53) 110753.D		VM080322.M					
210409-22 1/0.25	soil		47	1.000	08 Nov 2022	05:57	am
54) 110754.D		VM080322.M					
210409-23 1/0.25	soil		48	1.000	08 Nov 2022	06:20	am
55) 110755.D		VM080322.M					
210409-25 1/0.25	soil		49	1.000	08 Nov 2022	06:43	am
56) 110756.D		VM080322.M					
210409-29 1/0.25	soil		50	1.000	08 Nov 2022	07:06	am
57) 110757.D		VM080322.M					
210409-32 1/0.25	soil		51	1.000	08 Nov 2022	07:29	am
58) 110758.D		VM080322.M					
210409-33 1/0.25	soil		52	1.000	08 Nov 2022	07:52	am
59) 110759.D		VM080322.M					
210409-341/0.25	soil		53	1.000	08 Nov 2022	08:15	am
60) 110760.D		VM080322.M					
210409-36 1/0.25	soil		54	1.000	08 Nov 2022	08:38	am
61) 110761.D		VM080322.M					
210409-41 1/0.25	soil		55	1.000	08 Nov 2022	09:01	am
62) 110762.D		VM080322.M					
210409-42 1/0.25	soil		56	1.000	08 Nov 2022	09:24	am
63) 110763.D		VM080322.M					
211091-01	soil		57	1.000	08 Nov 2022	09:48	am
64) 110764.D		VM080322.M					
rinse	soil		100	1.000	08 Nov 2022	10:10	am

DM
DMC
11/9

Comment:

Operator: LM

Data Path: D:\GCMS11\GCMS11_Data\11-03-22\

Instrument Control Pre-Seq Cmd:

Data Analysis Pre-Seq Cmd: †

Instrument Control Post-Seq Cmd: .

Data Analysis Post-Seq Cmd:

Method Sections To Run

 Full Method Reprocessing Only

Sequence Barcode Options

 On Mismatch, Inject Anyway On Mismatch, Don't Inject Barcode Disabled

Line	Type	ALS	File	Method	Sample Name/Misc Info
1)	Sample	100	110301	VM080522	rinse
2)	Sample	100	110302	VM080522	rinse
3)	Sample	1	110303	VM080522	10 ppb 8260 CCV 67-150N
4)	Sample	2	110304	VM080522	02-2628 LCS
5)	Sample	3	110305	VM080522	02-2628 LCSD
6)	Sample	100	110306	VM080522	rinse
7)	Sample	100	110307	VM080522	rinse
8)	Sample	100	110308	VM080522	rinse
9)	Sample	100	110309	VM080522	rinse
10)	Sample	100	110310	VM080522	rinse
11)	Sample	100	110311	VM080522	rinse
12)	Sample	6	110312	VM080522	Rinse vial
13)	Sample	7	110313	VM080522	rinse vial
14)	Sample	100	110314	VM080522	rinse
15)	Sample	100	110315	VM080522	rinse
16)	Sample	5	110316	VM080522	02-2628 mb
17)	Sample	8	110317	VM080522	50 ng BFB 67-152A
18)	Sample	100	110318	VM080522	rinse
19)	Sample	100	110319	VM080522	rinse
20)	Sample	10	110320	VM080522	0.02 ppb 8260 ICAL 67-177F
21)	Sample	11	110321	VM080522	0.04 ppb 8260 ICAL 67-177G
22)	Sample	12	110322	VM080522	0.1 ppb 8260 ICAL 67-177H
23)	Sample	13	110323	VM080522	0.2 ppb 8260 ICAL 67-177I
24)	Sample	14	110324	VM080522	0.5 ppb 8260 ICAL 67-177J
25)	Sample	15	110325	VM080522	1 ppb 8260 ICAL 67-177K
26)	Sample	16	110326	VM080522	2 ppb 8260 ICAL 67-177L
27)	Sample	17	110327	VM080522	5 ppb 8260 ICAL 67-177M
28)	Sample	18	110328	VM080522	10 ppb 8260 ICAL 67-177N
29)	Sample	19	110329	VM080522	20 ppb 8260 ICAL 67-177O
30)	Sample	20	110330	VM080522	50 ppb 8260 ICAL 67-177Q
31)	Sample	21	110331	VM080522	100 ppb 8260 ICAL 67-177S
32)	Sample	22	110332	VM080522	150 ppb 8260 ICAL 67-177T
33)	Sample	23	110333	VM080522	200 ppb 8260 ICAL 67-177U
34)	Sample	24	110334	VM080522	rinse vial
35)	Sample	25	110335	VM080522	10 ppb 8260 SCV 67-182C
36)	Sample	100	110336	VM080522	rinse
37)	Sample	26	110337	VM080522	02-2635 lcs
38)	Sample	27	110338	VM080522	02-2635 lcsd
39)	Sample	28	110339	VM080522	02-2634 lcs
40)	Sample	29	110340	VM080522	02-2634 lcsd
41)	Sample	100	110341	VM080522	rinse

Injection Log

Data Directory: D:\Proc_GCMS11\11-03-22\

SampleName	MiscInfo	Vial	Multiplier	Injection Time
1) 110301.D rinse		100	1.000	03 Nov 2022 06:15 am
2) 110302.D rinse		100	1.000	03 Nov 2022 06:38 am
3) 110303.D 10 ppb 8260 CCV 67-1 soil/water		1	1.000	03 Nov 2022 06:55 am
4) 110304.D 02-2628 LCS	water	2	1.000	03 Nov 2022 07:23 am
5) 110305.D 02-2628 LCSD	water	3	1.000	03 Nov 2022 07:45 am
6) 110306.D rinse	soil/water	100	1.000	03 Nov 2022 08:06 am
7) 110307.D rinse	soil/water	100	1.000	03 Nov 2022 08:28 am
8) 110308.D rinse	soil/water	100	1.000	03 Nov 2022 08:50 am
9) 110309.D rinse	soil/water	100	1.000	03 Nov 2022 09:12 am
10) 110310.D rinse	soil/water	100	1.000	03 Nov 2022 09:34 am
11) 110311.D rinse	soil/water	100	1.000	03 Nov 2022 09:56 am
12) 110312.D Rinse vial	soil/water	6	1.000	03 Nov 2022 10:18 am
13) 110313.D rinse vial	soil/water	7	1.000	03 Nov 2022 10:41 am
14) 110314.D rinse	soil/water	100	1.000	03 Nov 2022 11:03 am
15) 110315.D rinse	soil/water	100	1.000	03 Nov 2022 11:36 am
16) 110316.D 02-2628 mb	water	5	1.000	03 Nov 2022 11:58 am
17) 110317.D 50 ng BFB 67-152A	water	8	1.000	03 Nov 2022 12:23 pm
18) 110318.D rinse	soil/water	100	1.000	03 Nov 2022 01:25 pm
19) 110319.D rinse	soil/water	100	1.000	03 Nov 2022 01:47 pm
20) 110320.D 0.02 ppb 8260 ICAL 6 soil/water		10	1.000	03 Nov 2022 02:10 pm
21) 110321.D				

0.04 ppb 8260 ICAL 6 soil/water	11	1.000	03 Nov 2022	02:32 pm
22) 110322.D				
0.1 ppb 8260 ICAL 67 soil/water	12	1.000	03 Nov 2022	02:54 pm
23) 110323.D				
0.2 ppb 8260 ICAL 67 soil/water	13	1.000	03 Nov 2022	03:17 pm
24) 110324.D				
0.5 ppb 8260 ICAL 67 soil/water	14	1.000	03 Nov 2022	03:39 pm
25) 110325.D				
1 ppb 8260 ICAL 67-1 soil/water	15	1.000	03 Nov 2022	04:01 pm
26) 110326.D				
2 ppb 8260 ICAL 67-1 soil/water	16	1.000	03 Nov 2022	04:24 pm
27) 110327.D				
5 ppb 8260 ICAL 67-1 soil/water	17	1.000	03 Nov 2022	04:46 pm
28) 110328.D				
10 ppb 8260 ICAL 67- soil/water	18	1.000	03 Nov 2022	05:09 pm
29) 110329.D				
20 ppb 8260 ICAL 67- soil/water	19	1.000	03 Nov 2022	05:31 pm
30) 110330.D				
50 ppb 8260 ICAL 67- soil/water	20	1.000	03 Nov 2022	05:54 pm
31) 110331.D				
100 ppb 8260 ICAL 67 soil/water	21	1.000	03 Nov 2022	06:16 pm
32) 110332.D				
150 ppb 8260 ICAL 67 soil/water	22	1.000	03 Nov 2022	06:38 pm
33) 110333.D				
200 ppb 8260 ICAL 67 soil/water	23	1.000	03 Nov 2022	07:01 pm
34) 110334.D				
rinse vial soil/water	24	1.000	03 Nov 2022	07:23 pm
35) 110335.D				
10 ppb 8260 SCV 67-1 soil/water	25	1.000	03 Nov 2022	07:46 pm
36) 110336.D				
rinse soil/water	100	1.000	03 Nov 2022	08:08 pm
37) 110337.D				
02-2635 lcs water	26	1.000	03 Nov 2022	08:30 pm
38) 110338.D				
02-2635 lcsd water	27	1.000	03 Nov 2022	08:53 pm
39) 110339.D				
02-2634 lcs soil	28	1.000	03 Nov 2022	09:15 pm
40) 110340.D				
02-2634 lcsd soil	29	1.000	03 Nov 2022	09:37 pm
41) 110341.D				
rinse soil/water	100	1.000	03 Nov 2022	09:59 pm
42) 110342.D				
02-2635 mb water	30	1.000	03 Nov 2022	10:22 pm
43) 110343.D				
02-2634 mb soil	31	1.000	03 Nov 2022	10:44 pm

Comment:

Operator: WE

Data Path: D:\GCMS13\GCMS13_Data\11-11-22\

B 11/14

Instrument Control Pre-Seq Cmd:

Data Analysis Pre-Seq Cmd:

Instrument Control Post-Seq Cmd:

Data Analysis Post-Seq Cmd:

Method Sections To Run

(X) Full Method

() Reprocessing Only

Sequence Barcode Options

() On Mismatch, Inject Anyway

() On Mismatch, Don't Inject

(X) Barcode Disabled

Line Type	ALS	File	Method	Sample Name/Misc Info
1) Sample	100	111101	VM080322	rinse
2) Sample	100	111102	VM080322	rinse
3) Sample	1	111103	VM080322	10 ppb.8260 CCV 66-177N
4) Sample	2	111104	VM080322	02-2752 lcs
5) Sample	100	111105	VM080322	rinse
6) Sample	3	111106	VM080322	02-2752 mb
7) Sample	4	111107	VM080322	02-2752 mb 1/0.25
8) Sample	5	111108	VM080322	02-2750 mb 1/0.25
9) Sample	6	111109	VM080322	211162-01 1/0.25
10) Sample	7	111110	VM080322	211162-02 1/0.25
11) Sample	8	111111	VM080322	211162-03 1/0.25
12) Sample	9	111112	VM080322	211162-04 1/0.25
13) Sample	10	111113	VM080322	211162-05 1/0.25
14) Sample	11	111114	VM080322	211162-06 1/0.25
15) Sample	12	111115	VM080322	211162-07 1/0.25
16) Sample	13	111116	VM080322	211162-08 1/0.25
17) Sample	14	111117	VM080322	211162-09 1/0.25
18) Sample	15	111118	VM080322	211162-10 1/0.25
19) Sample	16	111119	VM080322	211162-11 1/0.25
20) Sample	17	111120	VM080322	211166-01 1/0.25
21) Sample	18	111121	VM080322	211166-02 1/0.25
22) Sample	19	111122	VM080322	211166-03 1/0.25
23) Sample	20	111123	VM080322	211130-03 1/0.25
24) Sample	21	111124	VM080322	211163-01
25) Sample	22	111125	VM080322	211163-01 ms
26) Sample	23	111126	VM080322	211163-01 msd
27) Sample	100	111127	VM080322	rinse

Injection Log

Data Directory: Y:\Proc_GCMS13\11-11-22\

SampleName	MiscInfo	Vial	Multiplier	Injection Time
1) 111101.D rinse	VM080322.M	100	1.000	11 Nov 2022 07:44 am
2) 111102.D rinse	VM080322.M	100	1.000	11 Nov 2022 08:07 am
3) 111103.D 10 ppb 8260 CCV 66..	soil/water	1	1.000	11 Nov 2022 08:31 am
4) 111104.D 02-2752 lcs	soil	2	1.000	11 Nov 2022 08:54 am
5) 111105.D rinse	soil	100	1.000	11 Nov 2022 09:17 am
6) 111106.D 02-2752 mb	soil	3	1.000	11 Nov 2022 09:40 am
7) 111107.D 02-2752 mb 1/0.25	soil	4	1.000	11 Nov 2022 10:03 am
8) 111108.D 02-2750 mb 1/0.25	soil	5	1.000	11 Nov 2022 10:26 am
9) 111109.D 211162-01 1/0.25	soil	6	1.000	11 Nov 2022 10:49 am
10) 111110.D 211162-02 1/0.25	soil	7	1.000	11 Nov 2022 11:12 am
11) 111111.D 211162-03 1/0.25	soil	8	1.000	11 Nov 2022 11:36 am
12) 111112.D 211162-04 1/0.25	soil	9	1.000	11 Nov 2022 11:59 am
13) 111113.D 211162-05 1/0.25	soil	10	1.000	11 Nov 2022 12:22 pm
14) 111114.D 211162-06 1/0.25	soil	11	1.000	11 Nov 2022 12:45 pm
15) 111115.D 211162-07 1/0.25	soil	12	1.000	11 Nov 2022 01:09 pm
16) 111116.D 211162-08 1/0.25	soil	13	1.000	11 Nov 2022 01:32 pm
17) 111117.D 211162-09 1/0.25	soil	14	1.000	11 Nov 2022 01:55 pm
18) 111118.D 211162-10 1/0.25	soil	15	1.000	11 Nov 2022 02:18 pm
19) 111119.D 211162-11 1/0.25	soil	16	1.000	11 Nov 2022 02:41 pm
20) 111120.D 211166-01 1/0.25	soil	17	1.000	11 Nov 2022 03:04 pm
21) 111121.D	VM080322.M			

211166-02 1/0.25	soil	VM080322.M	18	1.000	11 Nov 2022	03:27 pm
22) 111122.D		VM080322.M				
211166-03 1/0.25	soil		19	1.000	11 Nov 2022	03:51 pm
23) 111123.D		VM080322.M				
211130-03 1/0.25	soil		20	1.000	11 Nov 2022	04:14 pm
24) 111124.D		VM080322.M				
211163-01	soil		21	1.000	11 Nov 2022	04:37 pm
25) 111125.D		VM080322.M				
211163-01 ms	soil		22	1.000	11 Nov 2022	05:00 pm
26) 111126.D		VM080322.M				
211163-01 msd	soil		23	1.000	11 Nov 2022	05:23 pm
27) 111127.D		VM080322.M				
rinse	soil		100	1.000	11 Nov 2022	05:46 pm

Sequence Name: D:\GCMS11\sequence\11-23-22.sequence.xml

Comment:

Operator: LM

Data Path: D:\GCMS11\GCMS11_Data\11-23-22\

Instrument Control Pre-Seq Cmd:

Data Analysis Pre-Seq Cmd:

Instrument Control Post-Seq Cmd:

Data Analysis Post-Seq Cmd:

JB 11/24

Method Sections To Run

(X) Full Method

() Reprocessing Only.

Sequence Barcode Options

() On Mismatch, Inject Anyway

() On Mismatch, Don't Inject

(X) Barcode Disabled

Line Type	ALS	File	Method	Sample Name/Misc Info
1) Sample	100	112301	VM080522	rinse
2) Sample	100	112302	VM080522	rinse
3) Sample	1	112303	VM080522	10 ppb 8260 CCV 67-150N
4) Sample	2	112304	VM080522	02-2819 LCS
5) Sample	3	112305	VM080522	02-2819 LCSD
6) Sample	100	112306	VM080522	rinse
7) Sample	4	112307	VM080522	02-2819 MB
8) Sample	5	112308	VM080522	02-2818 MB 1/0.25
9) Sample	6	112309	VM080522	211322-01
10) Sample	7	112310	VM080522	211339-04
11) Sample	8	112311	VM080522	211341-06
12) Sample	100	112312	VM080522	rinse
13) Sample	9	112313	VM080522	10 ppb 8260 CCV 68-4N

auto sampler not programmed to run sample
JB 11/24

Injection Log

Data Directory: X:\GCMS11\GCMS11_Data\11-23-22\

SampleName	MiscInfo	Vial	Multiplier	Injection Time
1) 112301.D rinse	VM080522.M	100	1.000	23 Nov 2022 05:19 am
2) 112302.D rinse	VM080522.M	100	1.000	23 Nov 2022 05:41 am
3) 112303.D 10 ppb 8260 CCV 67..	VM080522.M soil/water	1	1.000	23 Nov 2022 06:03 am
4) 112304.D 02-2819 LCS	VM080522.M water	2	1.000	23 Nov 2022 06:26 am
5) 112305.D 02-2819 LCSD	VM080522.M water	3	1.000	23 Nov 2022 06:49 am
6) 112306.D rinse	VM080522.M soil/water	100	1.000	23 Nov 2022 07:11 am
7) 112307.D 02-2819 MB	VM080522.M water	4	1.000	23 Nov 2022 07:33 am
8) 112308.D 02-2818 MB 1/0.25	VM080522.M soil	5	1.000	23 Nov 2022 07:55 am
9) 112309.D 211322-01	VM080522.M water	6	1.000	23 Nov 2022 09:33 am
10) 112310.D 211339-04	VM080522.M water	7	1.000	23 Nov 2022 11:47 am
11) 112311.D 211341-06	VM080522.M water	8	1.000	23 Nov 2022 12:09 pm

DM

Comment:

Operator: LM

Data Path: D:\GCMS13\GCMS13_Data\11-22-22\

Instrument Control Pre-Seq Cmd:

Data Analysis Pre-Seq Cmd:

Instrument Control Post-Seq Cmd:

Data Analysis Post-Seq Cmd:

Method Sections To Run

(X) Full Method

() Reprocessing Only

Sequence Barcode Options

() On Mismatch, Inject Anyway

() On Mismatch, Don't Inject

(X) Barcode Disabled

Line	Type	ALS	File	Method	Sample Name/Misc Info
1)	Sample	100	112201	VM080322	rinse
2)	Sample	100	112202	VM080322	rinse
3)	Sample	1	112203	VM080322	10 ppb 8260 CCV 68-04N
4)	Sample	100	112204	VM080322	rinse
5)	Sample	2	112205	VM080322	instrument blank
6)	Sample	3	112206	VM080322	211229-08 1/200
7)	Sample	4	112207	VM080322	211229-09 1/200
8)	Sample	5	112208	VM080322	211229-10 1/200
9)	Sample	6	112209	VM080322	211298-03
10)	Sample	7	112210	VM080322	211298-04
11)	Sample	8	112211	VM080322	211298-05
12)	Sample	99	112212	VM080322	50 ng BFB 67-152A
13)	Sample	100	112213	VM080322	rinse
14)	Sample	100	112214	VM080322	rinse
15)	Sample	9	112215	VM080322	rinse
16)	Sample	10	112216	VM080322	0.02 ppb 8260 ICAL 68-4F
17)	Sample	11	112217	VM080322	0.04 ppb 8260 ICAL 68-4G
18)	Sample	12	112218	VM080322	0.1 ppb 8260 ICAL 68-4H
19)	Sample	13	112219	VM080322	0.2 ppb 8260 ICAL 68-4I
20)	Sample	14	112220	VM080322	0.5 ppb 8260 ICAL 68-4J
21)	Sample	15	112221	VM080322	1 ppb 8260 ICAL 68-4K
22)	Sample	16	112222	VM080322	2 ppb 8260 ICAL 68-4L
23)	Sample	17	112223	VM080322	5 ppb 8260 ICAL 68-4M
24)	Sample	18	112224	VM080322	10 ppb 8260 ICAL 68-4N
25)	Sample	19	112225	VM080322	20 ppb 8260 ICAL 68-4O
26)	Sample	20	112226	VM080322	50 ppb 8260 ICAL 68-4Q
27)	Sample	21	112227	VM080322	100 ppb 8260 ICAL 68-4S
28)	Sample	22	112228	VM080322	150 ppb 8260 ICAL 68-4T
29)	Sample	23	112229	VM080322	200 ppb 8260 ICAL 68-4U
30)	Sample	24	112230	VM080322	rinse
31)	Sample	25	112231	VM080322	10 ppb 8260 SCV 68-7
32)	Sample	26	112232	VM080322	02-2820 lcs
33)	Sample	27	112233	VM080322	02-2820 lcsd
34)	Sample	100	112234	VM080322	rinse
35)	Sample	28	112235	VM080322	02-2820 mb
36)	Sample	29	112236	VM080322	210284-07 1/2
37)	Sample	100	112237	VM080322	rinse

← Sequence terminated
JB 11/23

Injection Log

Data Directory: D:\Proc_GCMS13\11-22-22\

SampleName	MiscInfo	Vial	Multiplier	Injection Time
1) 112233.D No data found	VM080322.M		0.000	N/A
2) 112201.D rinse	VM080322.M	100	1.000	22 Nov 2022 07:38 am
3) 112202.D rinse	VM080322.M	100	1.000	22 Nov 2022 08:01 am
4) 112203.D 10 ppb 8260 CCV 68..	VM080322.M soil/water	1	1.000	22 Nov 2022 08:24 am
5) 112204.D rinse	VM080322.M soil/water	100	1.000	22 Nov 2022 02:31 pm
6) 112205.D instrument blank	VM080322.M soil/water	2	1.000	22 Nov 2022 02:54 pm
7) 112206.D 211229-08 1/200	VM080322.M water	3	1.000	22 Nov 2022 03:17 pm
8) 112207.D 211229-09 1/200	VM080322.M water	4	1.000	22 Nov 2022 03:40 pm
9) 112208.D 211229-10 1/200	VM080322.M water	5	1.000	22 Nov 2022 04:04 pm
10) 112209.D 211298-03	VM080322.M water	6	1.000	22 Nov 2022 04:27 pm
11) 112210.D 211298-04	VM080322.M water	7	1.000	22 Nov 2022 04:50 pm
12) 112211.D 211298-05	VM080322.M water	8	1.000	22 Nov 2022 05:14 pm
13) 112212.D 50 ng BFB 67-152A	VM080322.M direct inject	99	1.000	22 Nov 2022 05:35 pm
14) 112213.D rinse	VM080322.M soil/water	100	1.000	22 Nov 2022 06:04 pm
15) 112214.D rinse	VM080322.M soil/water	100	1.000	22 Nov 2022 06:27 pm
16) 112215.D rinse	VM080322.M soil/water	9	1.000	22 Nov 2022 06:50 pm
17) 112216.D 0.02 ppb 8260 ICAL..	VM080322.M soil/water	10	1.000	22 Nov 2022 07:14 pm
18) 112217.D 0.04 ppb 8260 ICAL..	VM080322.M soil/water	11	1.000	22 Nov 2022 07:37 pm
19) 112218.D 0.1 ppb 8260 ICAL ..	VM080322.M soil/water	12	1.000	22 Nov 2022 08:00 pm
20) 112219.D 0.2 ppb 8260 ICAL ..	VM080322.M soil/water	13	1.000	22 Nov 2022 08:23 pm
21) 112220.D	VM080322.M			

0.5 ppb 8260 ICAL .. soil/water	14	1.000	22 Nov 2022	08:46 pm

22) 112221.D VM080322.M				
1 ppb 8260 ICAL 68.. soil/water	15	1.000	22 Nov 2022	09:09 pm

23) 112222.D VM080322.M				
2 ppb 8260 ICAL 68.. soil/water	16	1.000	22 Nov 2022	09:32 pm

24) 112223.D VM080322.M				
5 ppb 8260 ICAL 68.. soil/water	17	1.000	22 Nov 2022	09:56 pm

25) 112224.D VM080322.M				
10 ppb 8260 ICAL 6.. soil/water	18	1.000	22 Nov 2022	10:19 pm

26) 112225.D VM080322.M				
20 ppb 8260 ICAL 6.. soil/water	19	1.000	22 Nov 2022	10:42 pm

27) 112226.D VM080322.M				
50 ppb 8260 ICAL 6.. soil/water	20	1.000	22 Nov 2022	11:05 pm

28) 112227.D VM080322.M				
100 ppb 8260 ICAL .. soil/water	21	1.000	22 Nov 2022	11:28 pm

29) 112228.D VM080322.M				
150 ppb 8260 ICAL .. soil/water	22	1.000	22 Nov 2022	11:51 pm

30) 112229.D VM080322.M				
200 ppb 8260 ICAL .. soil/water	23	1.000	23 Nov 2022	12:14 am

31) 112230.D VM080322.M				
rinse soil/water	24	1.000	23 Nov 2022	12:37 am

32) 112231.D VM080322.M				
10 ppb 8260 SCV 68-7 soil/water	25	1.000	23 Nov 2022	01:00 am

33) 112232.D VM080322.M				
02-2820 lcs soil/water	26	1.000	23 Nov 2022	01:23 am

34) 112234.D VM080322.M				
rinse soil/water	100	1.000	23 Nov 2022	08:07 am

35) 112235.D VM080322.M				
02-2820 mb soil	28	1.000	23 Nov 2022	08:30 am

36) 112236.D VM080322.M				
210284-07 1/2 soil	29	1.000	23 Nov 2022	08:53 am

Sequence Name: D:\GCMS13\sequence\11-23-22.sequence.xml

Comment:

Operator: LM

Data Path: D:\GCMS13\GCMS13_Data\11-23-22\

Instrument Control Pre-Seq Cmd:

Data Analysis Pre-Seq Cmd:

Instrument Control Post-Seq Cmd:

Data Analysis Post-Seq Cmd:

FB 11/24

Method Sections To Run

Full Method

Reprocessing Only

Sequence Barcode Options

On Mismatch, Inject Anyway

On Mismatch, Don't Inject

Barcode Disabled

Line	Type	ALS	File	Method	Sample Name/Misc Info
1)	Sample	100	112301	VM080322	rinse
2)	Sample	1	112302	VM080322	10 ppb 8260 CCV 68-04N
3)	Sample	2	112303	VM080322	10 ppb 8260 SCV 68-08C
4)	Sample	100	112304	VM080322	rinse
5)	Sample	100	112305	VM080322	rinse
6)	Sample	3	112306	VM080322	02-2819 mb2
7)	Sample	4	112307	VM080322	211162-12
8)	Sample	100	112308	VM080322	rinse
9)	Sample	5	112309	VM080322	210281-07 rr 1/2
10)	Sample	100	112310	VM080322	rinse
11)	Sample	6	112311	VM080322	02-2820 mb rr
12)	Sample	7	112312	VM080322	210281-07 rr2 1/2
13)	Sample	100	112313	VM080322	rinse
14)	Sample	100	112314	VM080322	rinse
15)	Sample	100	112315	VM080322	rinse
16)	Sample	8	112316	VM080322	211162-12 ^{rr}
17)	Sample	9	112317	VM080322	211323-01 110.25
18)	Sample	10	112318	VM080322	211323-02 110.25
19)	Sample	11	112319	VM080322	211328-02 110.25
20)	Sample	12	112320	VM080322	211323-01
21)	Sample	13	112321	VM080322	211323-01 ms
22)	Sample	14	112322	VM080322	211323-01 msd

FB 11/24

Injection Log

Data Directory: Y:\Proc_GCMS13\11-23-22\

SampleName	MiscInfo	Vial	Multiplier	Injection Time
1) 112301.D rinse	VM080322.M	100	1.000	23 Nov 2022 11:16 am
2) 112302.D 10 ppb 8260 CCV 68..	soil/water VM080322.M	1	1.000	23 Nov 2022 11:29 am
3) 112303.D 10 ppb 8260 SCV 68..	soil/water VM080322.M	JLW 2	1.000	23 Nov 2022 11:52 am
4) 112304.D rinse	soil/water VM080322.M	100	1.000	23 Nov 2022 12:21 pm
5) 112305.D rinse	soil/water VM080322.M	100	1.000	23 Nov 2022 12:44 pm
6) 112306.D 02-2819 mb2	water VM080322.M	3	1.000	23 Nov 2022 01:07 pm
7) 112307.D 211162-12	water VM080322.M	4	1.000	23 Nov 2022 01:30 pm
8) 112308.D rinse	water VM080322.M	100	1.000	23 Nov 2022 02:31 pm
9) 112309.D 210281-07 rr 1/2	soil VM080322.M	5	1.000	23 Nov 2022 02:54 pm
10) 112310.D rinse	water VM080322.M	100	1.000	23 Nov 2022 03:43 pm
11) 112311.D 02-2820 mb rr	soil VM080322.M	6	1.000	23 Nov 2022 04:06 pm
12) 112312.D 210281-07 rr2 1/2	soil VM080322.M	7	1.000	23 Nov 2022 04:29 pm
13) 112313.D rinse	soil VM080322.M	100	1.000	23 Nov 2022 06:07 pm
14) 112314.D rinse	soil VM080322.M	100	1.000	23 Nov 2022 06:30 pm
15) 112315.D rinse	soil VM080322.M	100	1.000	23 Nov 2022 06:53 pm
16) 112316.D 211162-12	water VM080322.M	8	1.000	23 Nov 2022 07:16 pm
17) 112317.D 211323-01	soil VM080322.M	9	1.000	23 Nov 2022 07:39 pm
18) 112318.D 211323-02	soil VM080322.M	10	1.000	23 Nov 2022 08:02 pm
19) 112319.D 211328-02	soil VM080322.M	11	1.000	23 Nov 2022 08:25 pm
20) 112320.D 21-1323-01	soil VM080322.M	12	1.000	23 Nov 2022 08:49 pm
21) 112321.D	VM080322.M			

211323-01 ms	soil		13	1.000	23 Nov 2022	09:35 pm

22) 112322.D		VM080322.M				
211323-01 msd	soil		14	1.000	23 Nov 2022	09:35 pm

Sequence Name: D:\GCMS11\sequence\11-23-22.sequence.xml

Comment:

Operator: LM

Data Path: D:\GCMS11\GCMS11_Data\11-23-22\

Instrument Control Pre-Seq Cmd:

Data Analysis Pre-Seq Cmd:

Instrument Control Post-Seq Cmd:

Data Analysis Post-Seq Cmd:

JB 11/24

Method Sections To Run

(X) Full Method

() Reprocessing Only.

Sequence Barcode Options

() On Mismatch, Inject Anyway

() On Mismatch, Don't Inject

(X) Barcode Disabled

Line Type	ALS	File	Method	Sample Name/Misc Info
1) Sample	100	112301	VM080522	rinse
2) Sample	100	112302	VM080522	rinse
3) Sample	1	112303	VM080522	10 ppb 8260 CCV 67-150N
4) Sample	2	112304	VM080522	02-2819 LCS
5) Sample	3	112305	VM080522	02-2819 LCSD
6) Sample	100	112306	VM080522	rinse
7) Sample	4	112307	VM080522	02-2819 MB
8) Sample	5	112308	VM080522	02-2818 MB 1/0.25
9) Sample	6	112309	VM080522	211322-01
10) Sample	7	112310	VM080522	211339-04
11) Sample	8	112311	VM080522	211341-06
12) Sample	100	112312	VM080522	rinse
13) Sample	9	112313	VM080522	10 ppb 8260 CCV 68-4N

auto sampler not programmed to run sample
JB 11/24

Injection Log

Data Directory: X:\GCMS11\GCMS11_Data\11-23-22\

SampleName	MiscInfo	Vial	Multiplier	Injection Time
1) 112301.D rinse	VM080522.M	100	1.000	23 Nov 2022 05:19 am
2) 112302.D rinse	VM080522.M	100	1.000	23 Nov 2022 05:41 am
3) 112303.D 10 ppb 8260 CCV 67..	VM080522.M soil/water	1	1.000	23 Nov 2022 06:03 am
4) 112304.D 02-2819 LCS	VM080522.M water	2	1.000	23 Nov 2022 06:26 am
5) 112305.D 02-2819 LCSD	VM080522.M water	3	1.000	23 Nov 2022 06:49 am
6) 112306.D rinse	VM080522.M soil/water	100	1.000	23 Nov 2022 07:11 am
7) 112307.D 02-2819 MB	VM080522.M water	4	1.000	23 Nov 2022 07:33 am
8) 112308.D 02-2818 MB 1/0.25	VM080522.M soil	5	1.000	23 Nov 2022 07:55 am
9) 112309.D 211322-01	VM080522.M water	6	1.000	23 Nov 2022 09:33 am
10) 112310.D 211339-04	VM080522.M water	7	1.000	23 Nov 2022 11:47 am
11) 112311.D 211341-06	VM080522.M water	8	1.000	23 Nov 2022 12:09 pm

DM

EPA 8260D

Checklists

GC/MS ICAL Checklist

Instrument: GC/MS 13

Sequence Date: 1.05.22 / 11.04.22 Shift # 1

Item	Initial	Date
Shift and Batch		
Initial Calibration Analyzed, Evaluated and Passed	✓ <i>vwj</i>	11.04.22
2 nd source passed	✓	|
Analyte retention time checked	✓	|
Tune passed	✓	|
Non-Conformance Report filled out (if needed)	NA	|

Notes: *Acetone failed high in SCV 18150 ppb but
 SCV analyzed on 11.04.22 used prep cover
 Attach this sheet to raw data package. vwj 11.04.22*

YA 11/14/22
 Supervisor Initials and Date

GC/MS ICAL Checklist

Instrument: GC/MS 11

Sequence Date: 11.03.22

Shift # 1

Item	Initial	Date
Shift and Batch		
Initial Calibration Analyzed, Evaluated and Passed	/ my	11.01.22
2 nd source passed	/	|
Analyte retention time checked	/	|
Tune passed	/	|
Non-Conformance Report filled out (if needed)	NA f	|

Notes: EDE start @ 0.1 ppb

Attach this sheet to raw data package.

YA 11/11/22
Supervisor Initials and Date

GC/MS ICAL Checklist

Instrument: GC/MS 13

Sequence Date: 11/22/22

Shift # 2

Item	Initial	Date
Shift and Batch		
Initial Calibration Analyzed, Evaluated and Passed	DM	11/22/22
2 nd source passed	|	|
Analyte retention time checked	|	|
Tune passed	|	|
Non-Conformance Report filled out (if needed)	↓	↓

Notes: _____

Attach this sheet to raw data package.

DM FOR YA 11/22/22
Supervisor Initials and Date

**GC/MS Data
Daily Checklist**

Instrument: GC/MS 13

Sequence Date: 11.11.22

Shift # 1

Item	Initial	Date
Shift and Batch		
All samples analyzed within 12 hour shift	✓	11/14
Internal Standards within limits (50-200% of the CCVs for 8260, 8270; 70-130% for 524.2)	✓	
Surrogate recoveries within limits	✓	
Laboratory control sample (LCS) recoveries within limits	✓	
Matrix spike (MS) analyzed	✓	
RPDs within limits	✓	
Continuing Calibration Analyzed, Evaluated and Passed	hex 2/22 2-10/22	
Non-Conformance Report filled out (if needed)		

Notes: hexane & chloromethane low in cell

Attach this sheet to raw data package.

YA 11/14/22
Supervisor Initials and Date

GC/MS Data Daily Checklist

Instrument: GC/MS 13

Sequence Date: 11.23.22

Shift # 1

Item	Initial	Date
Shift and Batch		
All samples analyzed within 12 hour shift	JLM	11/30/22
Internal Standards within limits (50-200% of the CCVs for 8260, 8270; 70-130% for 524.2)	|	|
Surrogate recoveries within limits		
Laboratory control sample (LCS) recoveries within limits		
Matrix spike (MS) analyzed		
RPDs within limits		
Continuing Calibration Analyzed, Evaluated and Passed		
Non-Conformance Report filled out (if needed)		

Notes: _____

Attach this sheet to raw data package.

Supervisor Initials and Date

GC/MS Data Daily Checklist

Instrument: GC/MS 11

Sequence Date: 11/13/22

Shift # 1

Item	Initial	Date
Shift and Batch		
All samples analyzed within 12 hour shift	DM	11/13/22
Internal Standards within limits (50-200% of the CCVs for 8260, 8270; 70-130% for 524.2)	|	|
Surrogate recoveries within limits	|	|
Laboratory control sample (LCS) recoveries within limits	|	|
Matrix spike (MS) analyzed	|	|
RPDs within limits	|	|
Continuing Calibration Analyzed, Evaluated and Passed	|	|
Non-Conformance Report filled out (if needed)	|	|

Notes: POOR LW - SHORT LISTS ONLY

Attach this sheet to raw data package.

Supervisor Initials and Date

EPA 8260D
Internal Standard/Surrogate Summaries

GC/MS QA-QC Check Report

Tune File : D:\Proc_GCMS13\11-05-22\110503.D

Tune Time : 05 Nov 2022 10:22 am

Daily Calibration File : D:\Proc_GCMS13\11-05-22\110514.D

(DMF) (DHL) (TOL) (BFB)

104308

87057

51133

File	Sample	Surrogate Recovery %				Internal Standard Responses		
110506.D	0.02 ppb 8	101	100	99	104	110742	89451	50648
110507.D	0.04 ppb 8	95	104	99	106	111750	92506	50709
110508.D	0.1 ppb 82	102	104	100	105	109470	90583	50314
110509.D	0.2 ppb 8	101	104	97	105	108326	89660	50001
110510.D	0.5 ppb 82	101	95	96	100	111564	90038	50622
110511.D	1 ppb 8260	99	102	101	99	110201	89750	52061
110512.D	2 ppb 8260	100	99	100	98	108368	87014	51026
110513.D	5 ppb 8260	97	97	99	100	109707	88629	50120
110514.D	10 ppb 826	100	105	102	100	104308	87057	51133
110515.D	20 ppb 826	100	97	101	96	105008	89462	52775
110516.D	50 ppb 826	101	94	100	95	104359	89151	54409
110517.D	100 ppb 82	101	98	103	96	105192	89610	53646
110518.D	150 ppb 82	98	100	102	95	106741	92515	56204
110519.D	200 ppb 82	102	103	102	94	105227	91763	54540

(fails) - fails 12hr time check * - fails criteria

Created: Mon Nov 07 15:53:07 2022 GCMS13

GC/MS QA-QC Check Report

Tune File : D:\Proc_GCMS13\11-07-22\110706.D

Tune Time : 07 Nov 2022 10:34 am

Daily Calibration File : D:\Proc_GCMS13\11-07-22\110706.D

(DMF) (DHL) (TOL) (BFB)

107809 88712 52143

File Sample Surrogate Recovery % Internal Standard Responses

=====

110706.D	10 ppb	826	101	103	101	98	107809	88712	52143
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(fails) - fails 12hr time check * - fails criteria

Created: Mon Nov 07 15:51:48 2022 GCMS13

GC/MS QA-QC Check Report

Tune File : S:\Proc_GCMS11\11-03-22\110317.D

Tune Time : 03 Nov 2022 12:23 pm

Daily Calibration File : D:\Proc_GCMS11\10-06-22\100628.D

(DMF) (DHL) (TOL) (BFB)

89223

74582

42734

File	Sample	Surrogate Recovery %				Internal Standard Responses		
110320.D	0.02 ppb 8	97	99	99	0+	60933	43253	24976
110321.D	0.04 ppb 8	100	103	99	101	59193	42331	24877
110322.D	0.1 ppb 82	102	99	97	0+	58277	41908	24172
110323.D	0.2 ppb 82	96	102	100	104	61311	44921	25317
110324.D	0.5 ppb 82	105	102	95	98	56175	38800	23992
110325.D	1 ppb 8260	101	103	99	101	57426	40297	23765
110326.D	2 ppb 8260	105	103	97	98	55599	39499	23208
110327.D	5 ppb 8260	102	99	104	99	58345	43222	25178
110329.D	20 ppb 826	103	104	100	99	55034	40247	23886
110330.D	50 ppb 826	101	105	101	99	55430	40353	23738
110331.D	100 ppb 82	100	92	101	97	54152	39544	23400
110332.D	150 ppb 82	94	93	103	100	58941	44229	25485
110333.D	200 ppb 82	95	94	101	99	58470	44224	25881
110335.D	10 ppb 826	96	101	104	103	60742	45630	25827
110337.D	02-2635 1c	95	95	104	102	60393	45753	26400
110338.D	02-2635 1c	96	98	103	107	60082	44550	25177
110339.D	02-2634 1c	102	99	104	98	57286	42689	25542
110340.D	02-2634 1c	99	100	101	99	58603	42734	25488

(fails) - fails 12hr time check * - fails criteria

GC/MS QA-QC Check Report

Tune File : D:\Proc_GCMS13\11-22-22\112212.D

Tune Time : 22 Nov 2022 05:35 pm

Daily Calibration File : D:\Proc_GCMS13\11-22-22\112224.D

(DMF) (DHL) (TOL) (BFB)

89629 88119 53684

File	Sample	Surrogate	Recovery %	Internal Standard	Responses
112216.D	0.02 ppb 8	92 95	93 103	102478	88183 53393
112217.D	0.04 ppb 8	93 94	92 103	103286	90503 54218
112218.D	0.1 ppb 82	100 101	102 100	92510	89296 53440
112219.D	0.2 ppb 82	93 92	92 104	102865	89071 54416
112220.D	0.5 ppb 82	94 90	93 103	101275	87335 53496
112221.D	1 ppb 8260	104 105	103 101	91753	88742 53923
112222.D	2 ppb 8260	90 89	94 102	100529	89280 53728
112223.D	5 ppb 8260	102 107	101 101	90908	87447 52901
112224.D	10 ppb 826	105 102	104 100	89629	88119 53684
112225.D	20 ppb 826	104 99	103 97	87279	85831 51910
112226.D	50 ppb 826	106 106	107 97	83108	85128 52766
112227.D	100 ppb 82	106 106	107 98	82472	84163 51366
112228.D	150 ppb 82	104 105	105 96	84220	83566 51630
112229.D	200 ppb 82	106 109	105 95	82676	83218 51380
112231.D	10 ppb 826	95 94	96 99	99134	89104 54595

(fails) - fails 12hr time check * - fails criteria

Created: Thu Jan 05 13:15:33 2023 GCMS13

GC/MS QA-QC Check Report

Tune File : Y:\Proc_GCMS13\11-11-22\111103.D

Tune Time : 11 Nov 2022 08:31 am

Daily Calibration File : Y:\Proc_GCMS13\11-11-22\111103.D

(DMF) (DHL) (TOL) (BFB)

110946 100219 58879

File	Sample	Surrogate Recovery %				Internal Standard Responses		
111104.D	02-2752 lc	104	103	101	94	109331	99376	59195
111106.D	02-2752 mb	93	89	91	98	128202	105335	62535
111107.D	02-2752 mb	92	92	91	98	127851	105126	62407
111108.D	02-2750 mb	101	99	100	99	116066	103749	60521
111109.D	211162-01	92	92	92	97	127269	103802	62923
111110.D	211162-02	93	93	92	96	127070	103942	62435
111111.D	211162-03	101	96	100	95	115075	102241	62618
111112.D	211162-04	100	94	101	99	117076	101597	61227
111113.D	211162-05	102	100	101	95	114712	103615	63159
111114.D	211162-06	101	97	99	99	113307	104048	61945
111115.D	211162-07	99	96	100	96	112536	102608	62218
111116.D	211162-08	94	91	90	98	125829	101954	61019
111117.D	211162-09	94	96	93	97	123982	104519	62299
111118.D	211162-10	93	90	91	96	126240	103986	62959
111119.D	211162-11	102	103	99	98	112871	101836	60669
111120.D	211166-01	90	95	92	97	125330	103011	61147
111121.D	211166-02	91	85	91	99	124675	101813	61774
111122.D	211166-03	101	101	101	97	114671	105212	62501
111123.D	211130-03	101	95	100	96	113771	101969	62212

111124.D	211163-01	105	97	99	101	113428	103822	60283
111125.D	211163-01	96	95	93	99	117791	99270	58229
111126.D	211163-01	96	96	91	96	118429	97417	58546

(fails) - fails 12hr time check * - fails criteria

Created: ~~Mon Nov 14 08:06:55 2022~~ GCMS13

GC/MS QA-QC Check Report

Tune File : Y:\GCMS13\GCMS13_Data\11-23-22\112302.D

Tune Time : 23 Nov 2022 11:29 am

Daily Calibration File : Y:\GCMS13\GCMS13_Data\11-23-22\112302.D

(DMF) (DHL) (TOL) (BFB)

90988 90223 55869

File	Sample	Surrogate Recovery %					Internal Standard Responses		
112303.D	10 ppb 826	103	105	104	97	90573	88869	55137	
112306.D	02-2819 mb	102	98	104	104	61790	59664	35269 ✓	
112307.D	211162-12	99	99	100	107	37123*	34047*	19522*	
112309.D	210281-07	87	88	91	96	10562*	8616*	4876*	
112311.D	02-2820 mb	100	102	98	107	92058	85098	49260	
112312.D	210281-07	101	109	101	96	85328	80546	47798	

TERRIBLE, RE 11/23 JCM

(fails) - fails 12hr time check * - fails criteria

Created: Wed Nov 23 17:02:29 2022 GCMS13

GC/MS QA-QC Check Report

Tune File : Y:\Proc_GCMS13\11-23-22\112302.D
 Tune Time : 23 Nov 2022 11:29 am

Daily Calibration File : Y:\Proc_GCMS13\11-23-22\112302.D

(DMF) (DHL) (TOL) (BFB)

90988 90223 55869

File	Sample	Surrogate Recovery %				Internal Standard Responses		
112311.D	02-2820 mb	100	102	98	107	92058	85098	49260
112312.D	210281-07	101	109	101	96	85328	80546	47798
112316.D	211162-12	93	88	92	102	98575	82742	50210 ✓
112317.D	211323-01	101	103	99	98	92853	85757	51631
112318.D	211323-02	98	102	98	98	92365	84882	51825
112319.D	211328-02	100	108	98	98	93534	85098	52452
112320.D	211323-01	91	91	91	100	99753	85488	51933
112321.D	211323-01	93	92	88	99	98984	79824	47662
112322.D	211323-01	90	95	89	100	98429	83728	52051

(fails) - fails 12hr time check * - fails criteria

Created: Mon Nov 28 13:51:45 2022 GCMS13

GC/MS QA-QC Check Report

Tune File : X:\GCMS11\GCMS11_Data\11-23-22\112303.D

Tune Time : 23 Nov 2022 06:03 am

Daily Calibration File : X:\GCMS11\GCMS11_Data\11-23-22\112303.D

(DMF) (DHL) (TOL) (BFB)

37237 30273 17281

File	Sample	Surrogate Recovery %				Internal Standard Responses		
112304.D	02-2819 LC	93	101	107	102	37470	30002	16863
112305.D	02-2819 LC	93	92	106	101	37068	29737	16758
112307.D	02-2819 MB	94	107	104	103	38612	30000	16943
112309.D	211322-01	96	99	98	102	36762	28829	17035
112310.D	211339-04	97	102	108	103	36559	30172	17455
112311.D	211341-06	94	100	110	106	37733	30881	17358

DM

(fails) - fails 12hr time check * - fails criteria

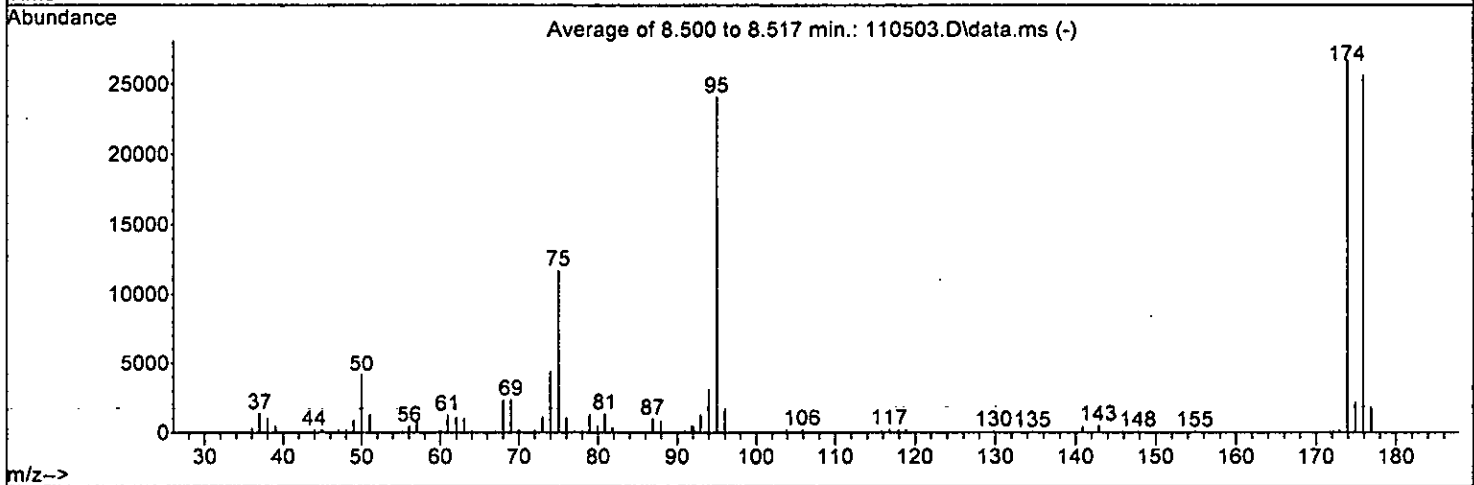
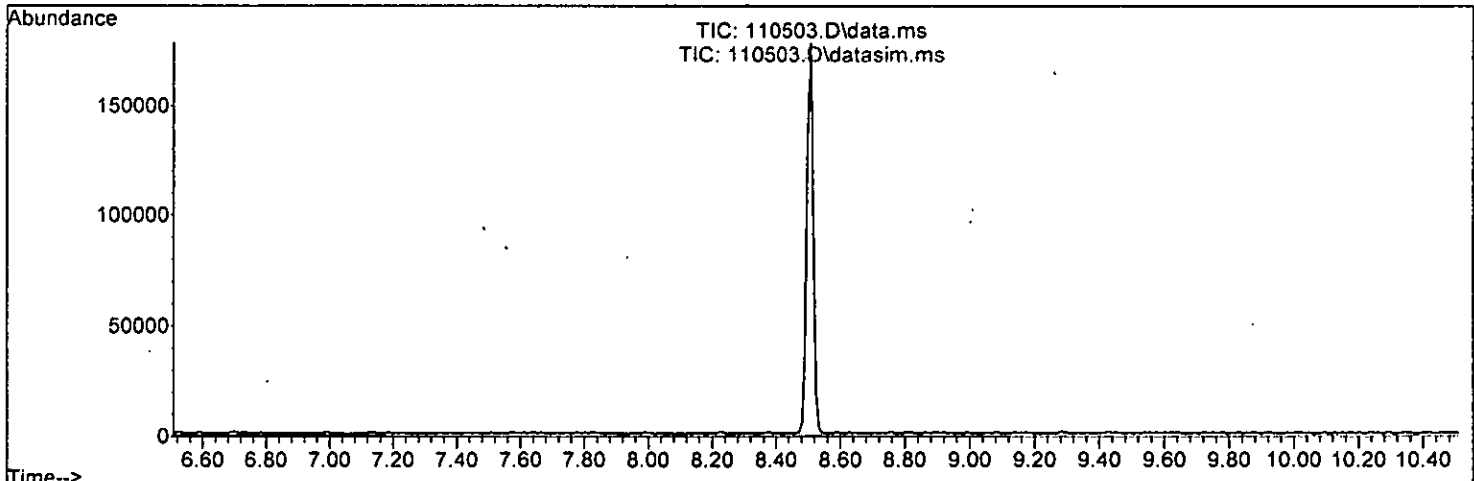
Created: Wed Nov 23 13:04:17 2022 GCMS11

EPA 8260D
Tune Summaries

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110503.D
 Acq On : 05 Nov 2022 10:22 am
 Operator : VM
 Sample : 50 ng BFB 67-152A
 Misc : water
 ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: LSCINT.P
 Integration File signal 2: rteint2.p

Method : D:\Methods\Inst13\VB110522ms13.M
 Title : 8260 Purge & Trap Volatiles Dual Acquisition
 Last Update : Mon Nov 07 10:10:04 2022



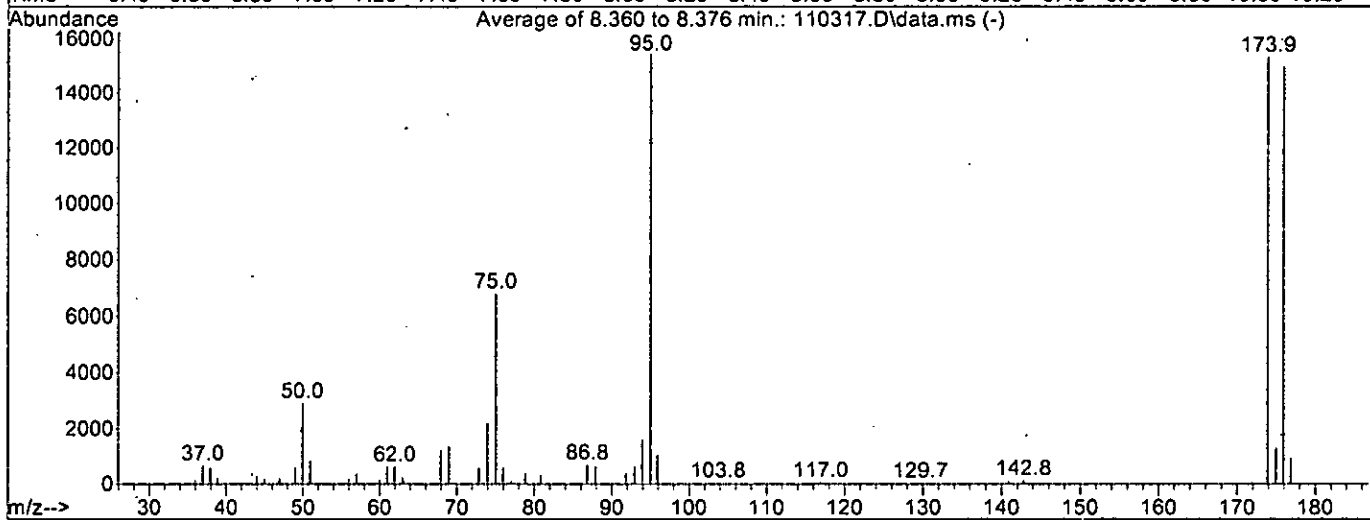
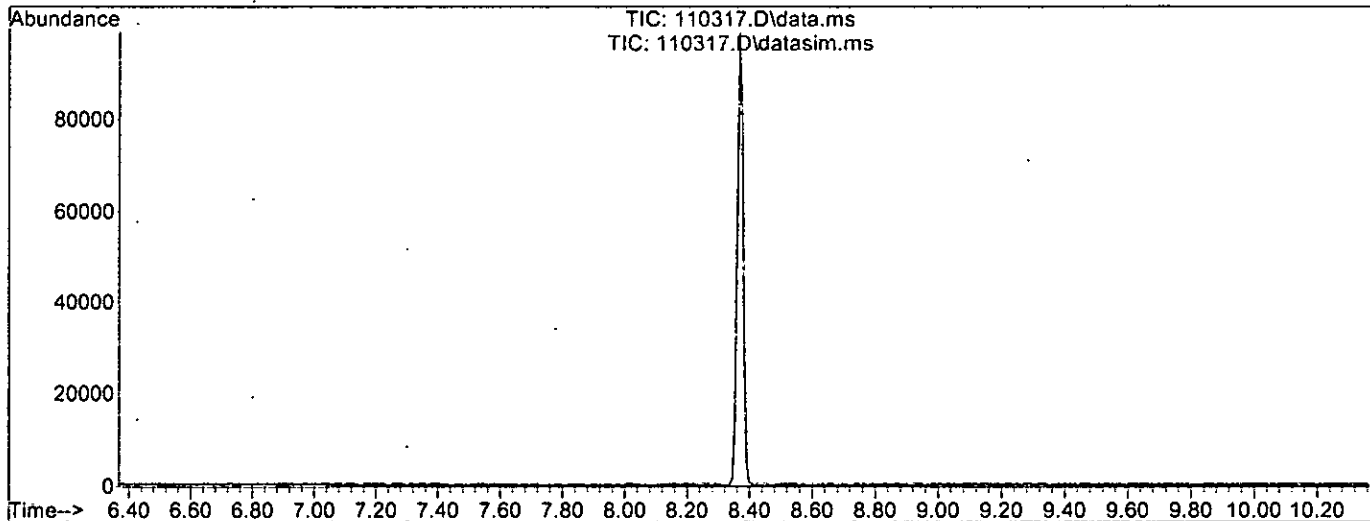
AutoFind: Scans 715, 716, 717; Background Corrected with Scan 709

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
95	174	50	200	90.0	24071	PASS
96	95	5	9	6.7	1621	PASS
173	174	0.00	2	0.6	157	PASS
174	95	50	200	111.1	26747	PASS
175	174	5	9	8.0	2142	PASS
176	174	95	105	95.8	25611	PASS
177	176	5	10	6.9	1773	PASS

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110317.D
 Acq On : 03 Nov 2022 12:23 pm
 Operator : LM
 Sample : 50 ng BFB 67-152A
 Misc : water
 ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: LSCINT.P
 Integration File signal 2: rteint2.p

Method : D:\METHODS\Inst11\VB101422ms11.M
 Title : 8260 Purge & Trap Volatiles Dual Acquisition
 Last Update : Tue Oct 18 12:50:16 2022



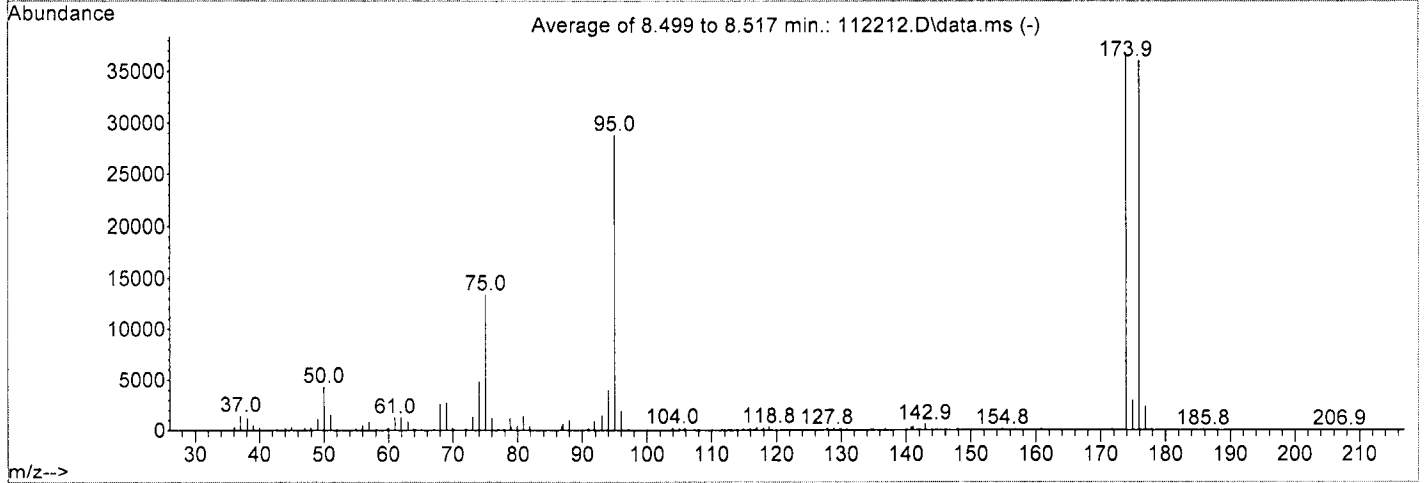
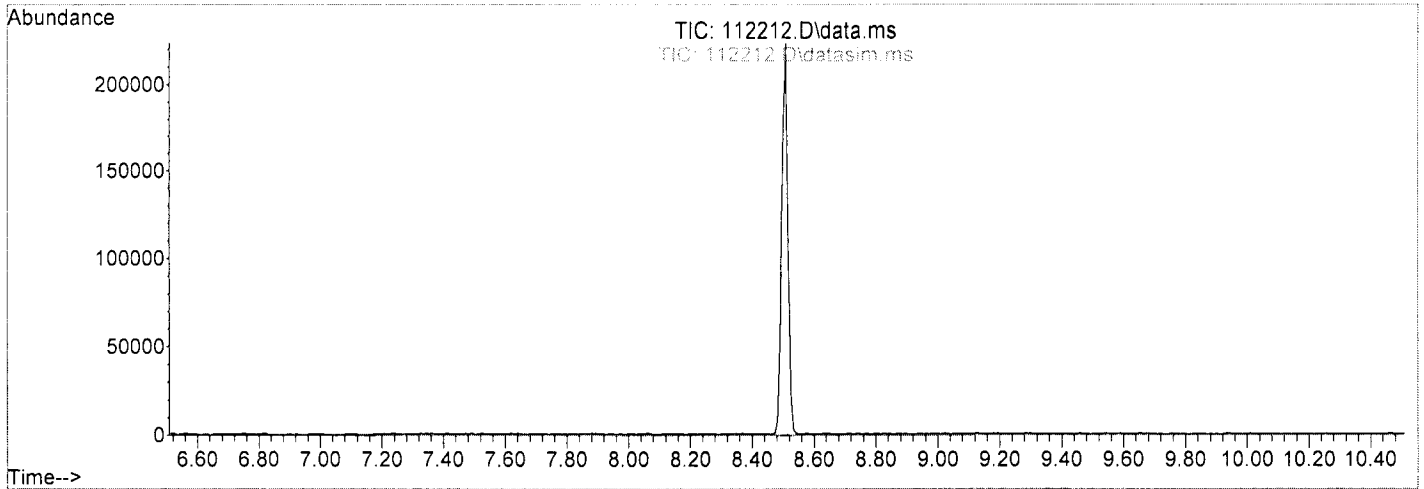
AutoFind: Scans 884, 885, 886; Background Corrected with Scan 879

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
95	174	50	200	101.0	15445	PASS
96	95	5	9	7.0	1082	PASS
173	174	0.00	2	0.4	67	PASS
174	95	50	200	99.0	15294	PASS
175	174	5	9	8.6	1317	PASS
176	174	95	105	97.6	14934	PASS
177	176	5	10	6.6	981	PASS

Data Path : D:\Proc_GCMS13\11-22-22\
 Data File : 112212.D
 Acq On : 22 Nov 2022 05:35 pm
 Operator : LM
 Sample : 50 ng BFB 67-152A
 Misc : direct inject
 ALS Vial : 99 Sample Multiplier: 1

Integration File signal 1: LSCINT.P
 Integration File signal 2: rteint2.p

Method : D:\Methods\Inst13\VB112222ms13.M
 Title : 8260 Purge & Trap Volatiles Dual Acquisition
 Last Update : Wed Nov 23 09:07:37 2022



AutoFind: Scans 715, 716, 717; Background Corrected with Scan 710

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
95	174	50	200	78.8	28792	PASS
96	95	5	9	6.5	1874	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	200	126.9	36525	PASS
175	174	5	9	8.0	2931	PASS
176	174	95	105	98.7	36032	PASS
177	176	5	10	6.4	2323	PASS

EPA 8260D
Initial Calibrations

Compound List Report GCMS13

Method Path : D:\Methods\Inst13\
 Method File : VB110522ms13.M
 Title : 8260 Purge & Trap Volatiles Dual Acquisition
 Last Update : Mon Nov 07 15:16:10 2022
 Response Via : Initial Calibration

Total Cpnds : 76

PK#	Compound Name	QIon	Exp_RT	Rel_RT	Cal	#Qual	A/H	ID
1	I Fluorobenzene	96	4.75	1.000	A	1	A	B
2	T Ethanol	45	2.33	0.491	A	1	A	B
3	S Dibromofluoromethane	113	4.17	0.880	A	0	A	B
4	T Dichlorodifluoromethane	85	1.12	0.235	A	1	A	B
5	T Chloromethane	50	1.26	0.266	A	1	A	B
6	T Vinyl chloride	-62	1.34	0.282	A	1	A	B
7	T Bromomethane	94	1.58	0.333	A	1	A	B
8	T Chloroethane	-64	1.65	0.347	A	1	A	B
9	T Trichlorofluoromethane	101	1.83	0.385	A	1	A	B
10	T 2-Propanol	45	2.33	0.491	A	1	A	B
11	T Acetone	58	2.33	0.491	Q	1	A	B
12	T 1,1-Dichloroethene	-96	2.27	0.479	A	2	A	B
13	T Hexane	57	3.16	0.665	A	2	A	B
14	T Methylene chloride	84	2.68	0.565	Q	2	A	B
15	T t-Butyl alcohol (TBA)	59	2.82	0.593	A	1	A	B
16	T Methyl t-butyl ether (MTBE)	-73	2.94	0.618	A	1	A	B
17	T trans-1,2-Dichloroethene	-96	2.92	0.616	A	2	A	B
18	T Diisopropyl ether (DIPE)	45	3.35	0.706	A	3	A	B
19	T 1,1-Dichloroethane	-63	3.27	0.690	A	2	A	B
20	T Ethyl t-butyl ether (ETBE)	87	3.66	0.771	A	3	A	B
21	T 2,2-Dichloropropane	77	3.77	0.795	Q	1	A	B
22	T cis-1,2-Dichloroethene	-96	3.77	0.794	A	2	A	B
23	T Chloroform	83	4.04	0.851	A	1	A	B
24	T 2-Butanone (MEK)	43	3.79	0.800	Q	2	A	B
25	T t-Amyl methyl ether (TAME)	73	4.61	0.972	A	2	A	B
26	T 1,2-Dichloroethane (EDC)	-62	4.53	0.954	Q	1	A	B
27	T 1,1,1-Trichloroethane	-97	4.19	0.883	A	2	A	B
28	T 1,1-Dichloropropene	75	4.33	0.913	Q	2	A	B
29	T Carbon tetrachloride	117	4.33	0.913	A	1	A	B
30	S 1,2-Dichloroethane-d4	102	4.46	0.939	A	1	A	B
31	T Benzene	-78	4.50	0.949	A	1	A	B
32	T Trichloroethene	-95	5.05	1.065	A	3	A	B
33	T 1,2-Dichloropropane	63	5.24	1.105	A	1	A	B
34	T Bromodichloromethane	83	5.48	1.155	A	2	A	B
35	S Toluene-d8	98	6.11	1.286	A	1	A	B
36	T Dibromomethane	93	5.35	1.127	A	2	A	B
37	T 4-Methyl-2-pentanone	85	6.03	1.269	A	2	A	B
38	T cis-1,3-Dichloropropene	75	5.88	1.238	A	2	A	B
39	I Chlorobenzene-d5	117	7.41	1.000	A	1	A	B
40	T Toluene	-92	6.16	0.832	Q	1	A	B
41	T trans-1,3-Dichloropropene	75	6.36	0.859	Q	2	A	B
42	T 1,1,2-Trichloroethane	-83	6.53	0.881	Q	2	A	B
43	T 2-Hexanone	43	6.76	0.913	A	3	A	B
44	T 1,3-Dichloropropane	76	6.68	0.903	A	1	A	B
45	T Tetrachloroethene	-164	6.65	0.898	Q	3	A	B
46	T Dibromochloromethane	129	6.88	0.930	Q	1	A	B
47	T 1,2-Dibromoethane (EDB)	-107	6.98	0.943	A	2	A	B
48	T Chlorobenzene	112	7.43	1.004	A	2	A	B
49	T Ethylbenzene	-91	7.54	1.018	A	1	A	B
50	T 1,1,1,2-Tetrachloroethane	131	7.51	1.014	A	2	A	B
51	T m,p-Xylene	-106	7.65	1.033	A	1	A	B
52	T o-Xylene	-106	8.02	1.083	A	1	A	B
53	T Styrene	104	8.03	1.085	A	1	A	B
54	T Isopropylbenzene	105	8.37	1.130	A	1	A	B
55	T Bromoform	173	8.20	1.107	A	2	A	B

56	I	1,4-Dichlorobenzene-d4	152	9.62	1.000	A	2	A	B
57	S	4-Bromofluorobenzene	95	8.51	0.884	A	2	A	B
58	T	n-Propylbenzene	91	8.77	0.911	A	1	A	B
59	T	Bromobenzene	156	8.65	0.899	A	2	A	B
60	T	1,3,5-Trimethylbenzene	105	8.94	0.929	A	1	A	B
61	T	1,1,2,2-Tetrachloroethane	83	8.65	0.899	Q	2	A	B
62	T	1,2,3-Trichloropropane	75	8.70	0.904	A	3	A	B
63	T	2-Chlorotoluene	91	8.84	0.918	A	1	A	B
64	T	4-Chlorotoluene	91	8.95	0.930	A	1	A	B
65	T	tert-Butylbenzene	119	9.25	0.961	A	2	A	B
66	T	1,2,4-Trimethylbenzene	105	9.30	0.966	A	1	A	B
67	T	sec-Butylbenzene	105	9.46	0.983	A	1	A	B
68	T	p-Isopropyltoluene	119	9.61	0.999	A	2	A	B
69	T	1,3-Dichlorobenzene	146	9.56	0.994	A	2	A	B
70	T	1,4-Dichlorobenzene	146	9.64	1.002	A	2	A	B
71	T	1,2-Dichlorobenzene	146	10.01	1.040	A	2	A	B
72	T	1,2-Dibromo-3-chloropropane	75	10.78	1.120	A	2	A	B
73	T	1,2,4-Trichlorobenzene	180	11.59	1.204	A	2	A	B
74	T	Hexachlorobutadiene	225	11.77	1.223	A	2	A	B
75	T	Naphthalene	128	11.84	1.230	Q	2	A	B
76	T	1,2,3-Trichlorobenzene	180	12.08	1.255	A	2	A	B

Cal A = Average L = Linear LO = Linear w/origin Q = Quad QO = Quad w/origin

#Qual = number of qualifiers

A/H = Area or Height

ID R = R.T. B = R.T. & Q Q = Qvalue L = Largest A = All

Calibration Status Report GCMS13

Method Path : D:\Methods\Inst13\
 Method File : VB110522ms13.M
 Title : 8260 Purge & Trap Volatiles Dual Acquisition
 Last Update : Mon Nov 07 15:16:10 2022
 Response Via : Initial Calibration

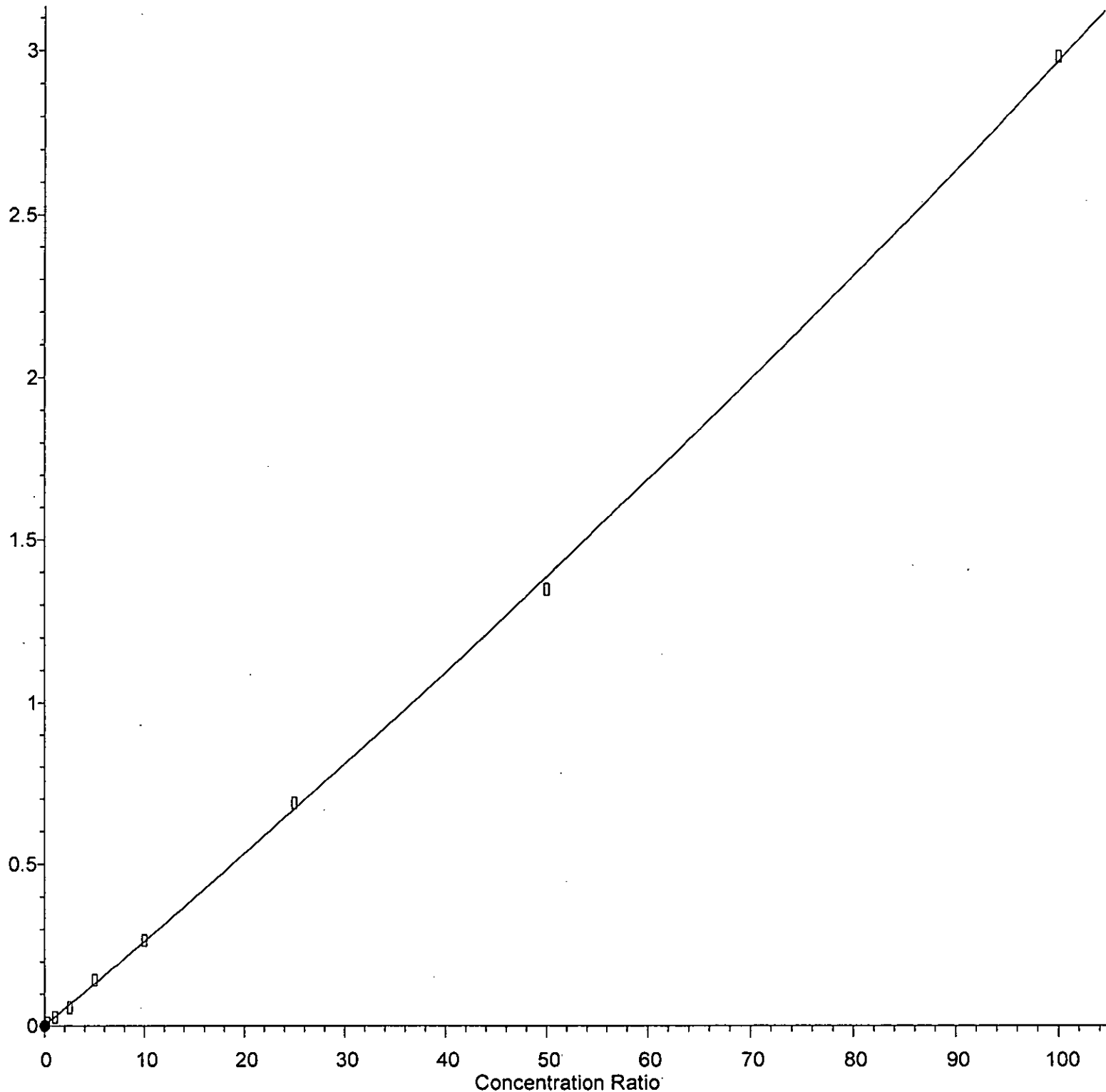
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2	0.04	0	10	D:\Proc_GCMS13\11-05-22\110507.D
3	0.1	0	10	D:\Proc_GCMS13\11-05-22\110508.D
4	0.2	0	10	D:\Proc_GCMS13\11-05-22\110509.D
5	0.5	1	10	D:\Proc_GCMS13\11-05-22\110510.D
7	2	2	10	D:\Proc_GCMS13\11-05-22\110512.D
8	5	5	10	D:\Proc_GCMS13\11-05-22\110513.D
9	10	10	10	D:\Proc_GCMS13\11-05-22\110514.D
10	20	20	10	D:\Proc_GCMS13\11-05-22\110515.D
11	50	50	10	D:\Proc_GCMS13\11-05-22\110516.D
12	100	100	10	D:\Proc_GCMS13\11-05-22\110517.D

#	ID	Update Time	Quant Time	Acquisition Time
1	0.02	Nov 07 10:05 2022	Nov 07 10:01 2022	05 Nov 2022 11:34 am
2	0.04	Nov 07 10:05 2022	Nov 07 10:02 2022	05 Nov 2022 11:57 am
3	0.1	Nov 07 10:05 2022	Nov 07 10:02 2022	05 Nov 2022 12:20 pm
4	0.2	Nov 07 10:05 2022	Nov 07 10:02 2022	05 Nov 2022 12:44 pm
5	0.5	Nov 07 10:05 2022	Nov 07 10:03 2022	05 Nov 2022 01:07 pm
7	2	Nov 07 10:05 2022	Nov 07 07:41 2022	05 Nov 2022 01:53 pm
8	5	Nov 07 10:05 2022	Nov 07 08:01 2022	05 Nov 2022 02:16 pm
9	10	Nov 07 10:05 2022	Nov 07 07:18 2022	05 Nov 2022 02:39 pm
10	20	Nov 07 10:05 2022	Nov 07 07:18 2022	05 Nov 2022 03:03 pm
11	50	Nov 07 10:05 2022	Nov 07 07:44 2022	05 Nov 2022 03:26 pm
12	100	Nov 07 10:05 2022	Nov 07 07:44 2022	05 Nov 2022 03:49 pm

VB110522ms13.M Mon Nov 07 15:54:24 2022

Acetone

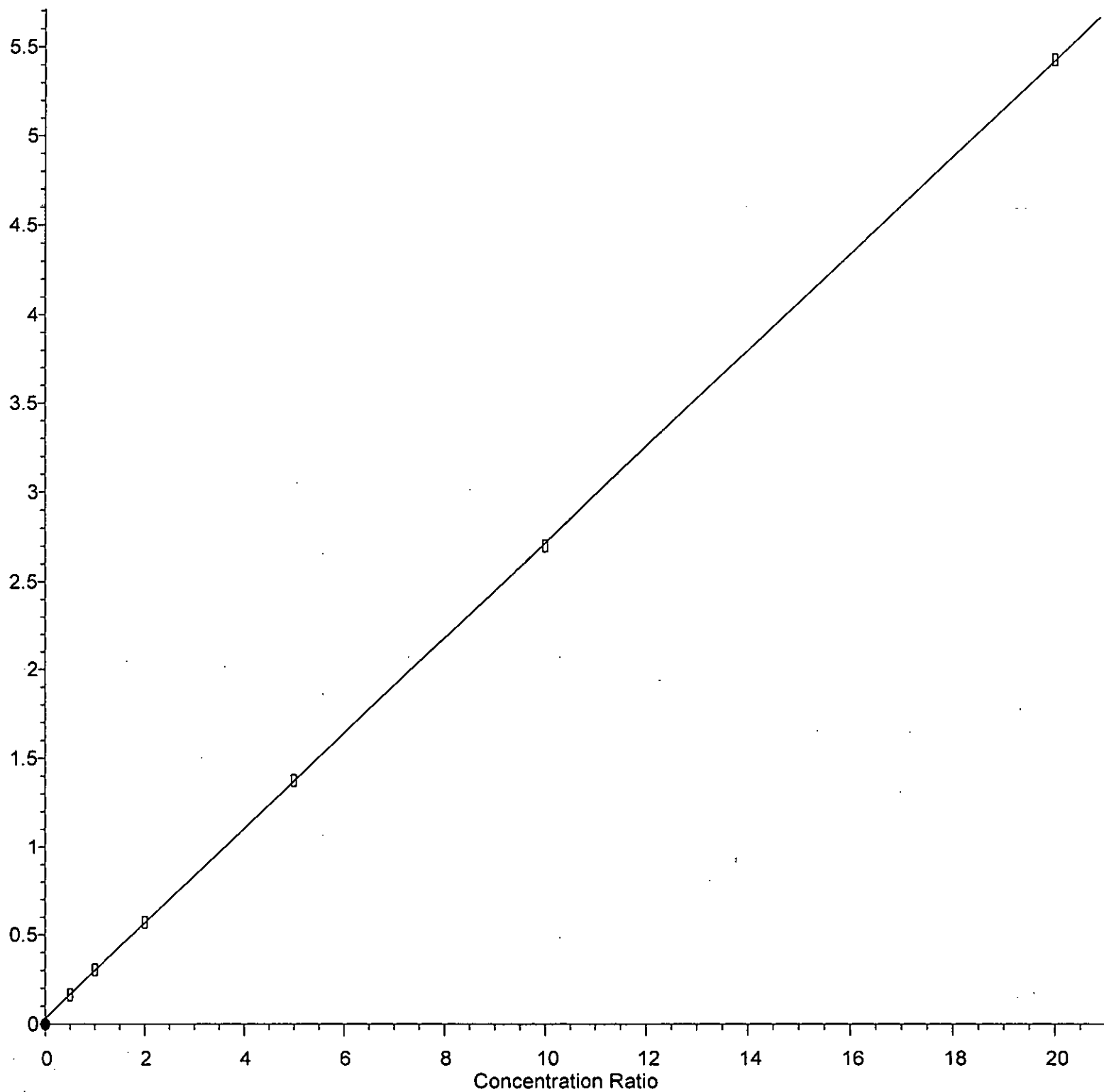
Response Ratio



$R = 4.054e-005 A^2 + 2.565e-002 A + 2.631e-003$
Coef of Det (r^2) = 0.999241 Curve Fit: Quadratic w(1/a)
Method Name: D:\Methods\Inst13\VB110522ms13.M
Calibration Table Last Updated: Mon Nov 07 15:16:10 2022

Methylene chloride

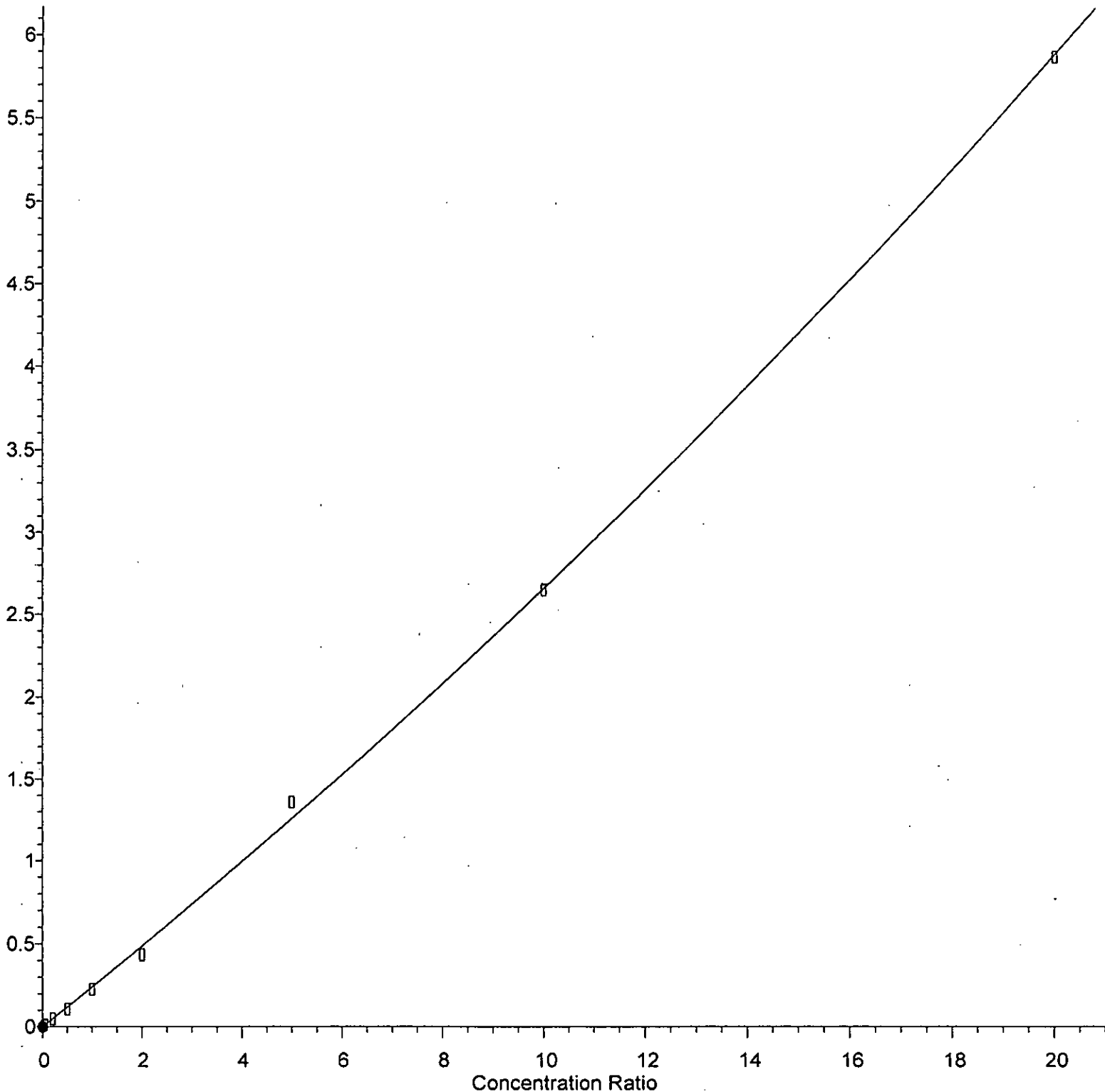
Response Ratio



$R = 1.319e-004 A^2 + 2.673e-001 A + 3.237e-002$
Coef of Det (r^2) = 0.999971 Curve Fit: Quadratic w(1/a)
Method Name: D:\Methods\Inst13\VB110522ms13.M
Calibration Table Last Updated: Mon Nov 07 15:16:10 2022

2,2-Dichloropropane

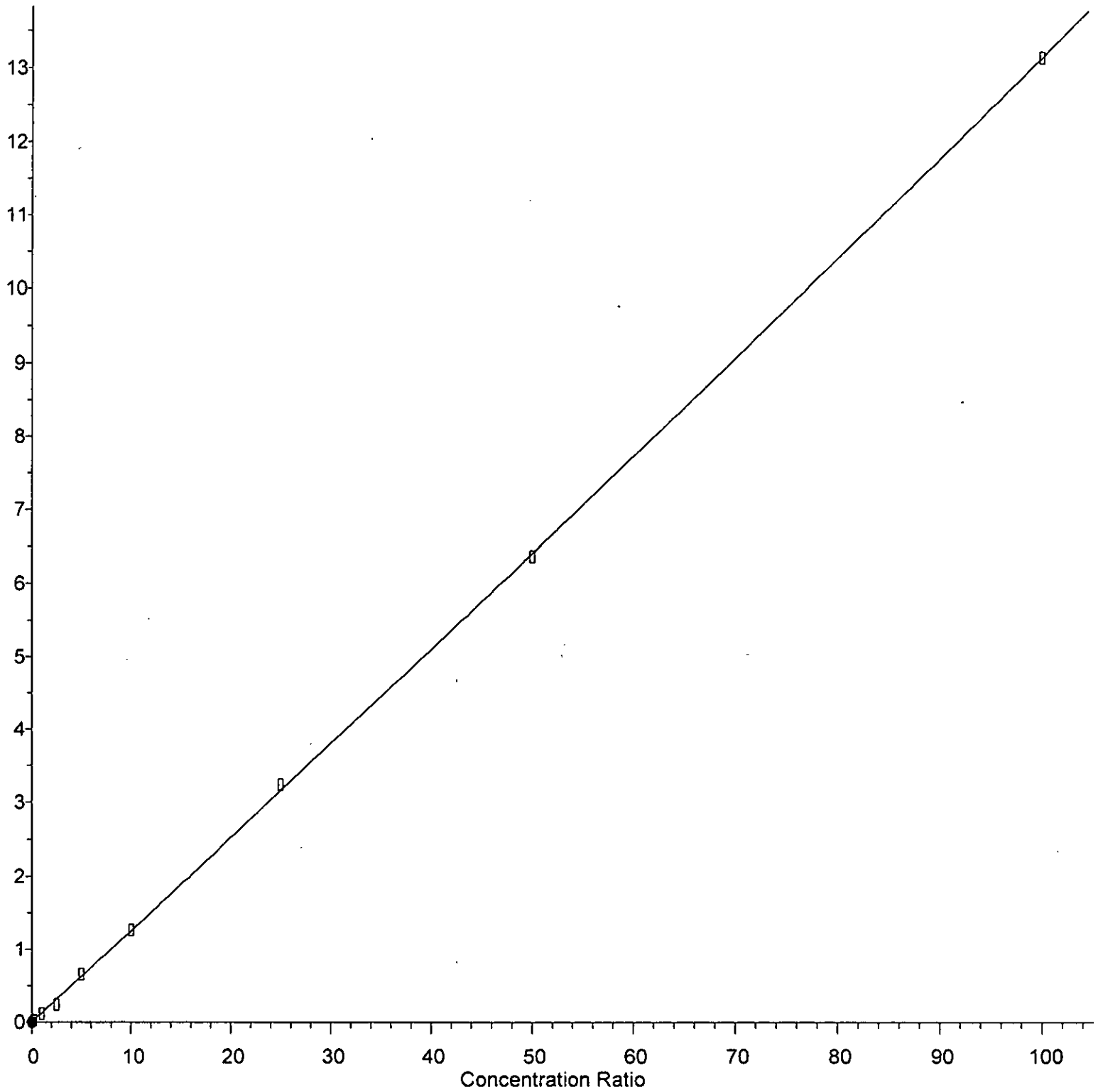
Response Ratio



$R = 2.871e-003 A^2 + 2.371e-001 A + 9.319e-004$
Coef of Det (r^2) = 0.998636 Curve Fit: Quadratic w(1/a)
Method Name: D:\Methods\Inst13\VB110522ms13.M
Calibration Table Last Updated: Mon Nov 07 15:16:10 2022

2-Butanone (MEK)

Response Ratio



$R = 7.131e-005 A^2 + 1.245e-001 A + 3.231e-003$

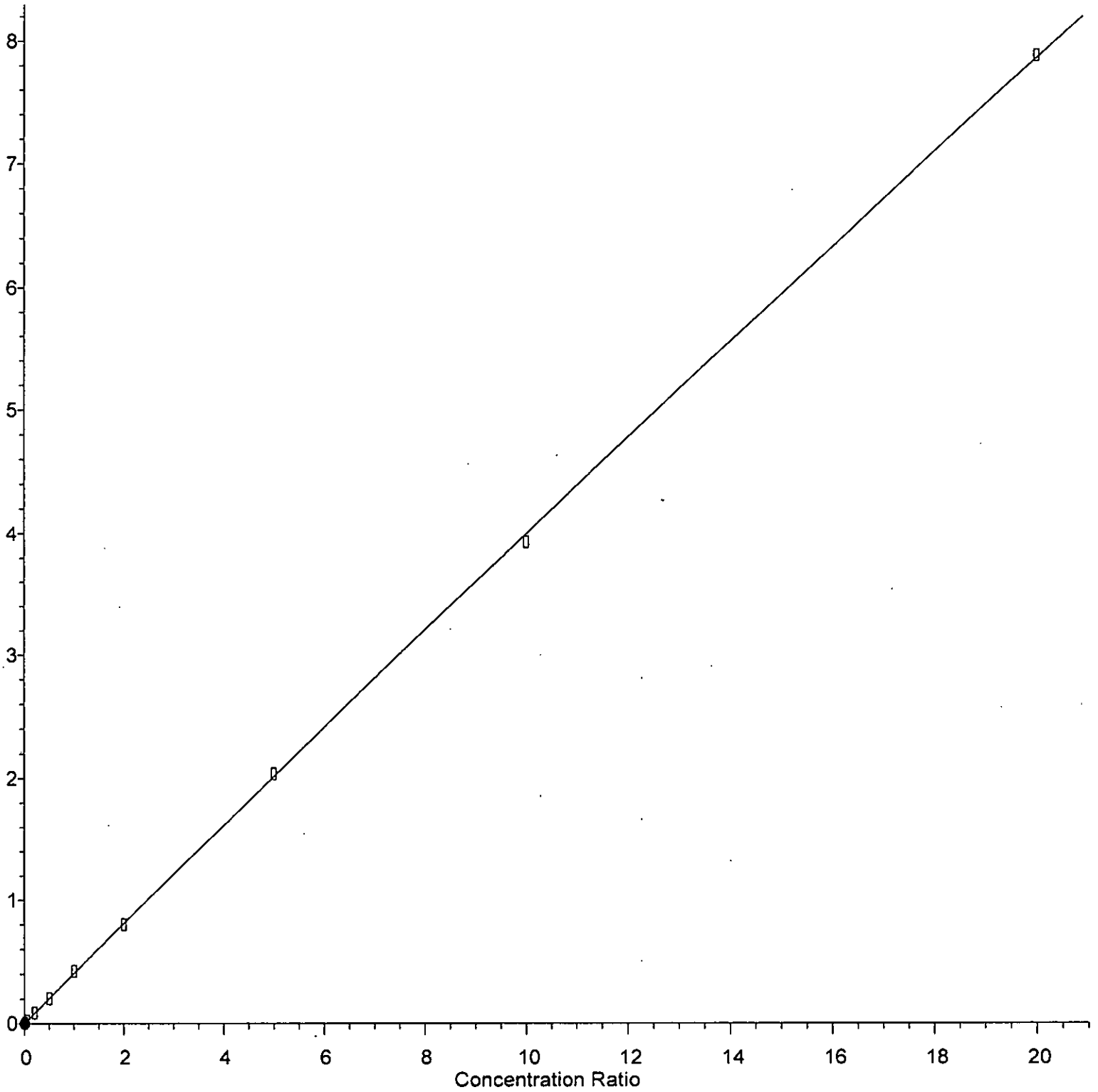
Coef of Det (r^2) = 0.999041 Curve Fit: Quadratic w(1/a)

Method Name: D:\Methods\Inst13\VB110522ms13.M

Calibration Table Last Updated: Mon Nov 07 15:16:10 2022

1,2-Dichloroethane (EDC)

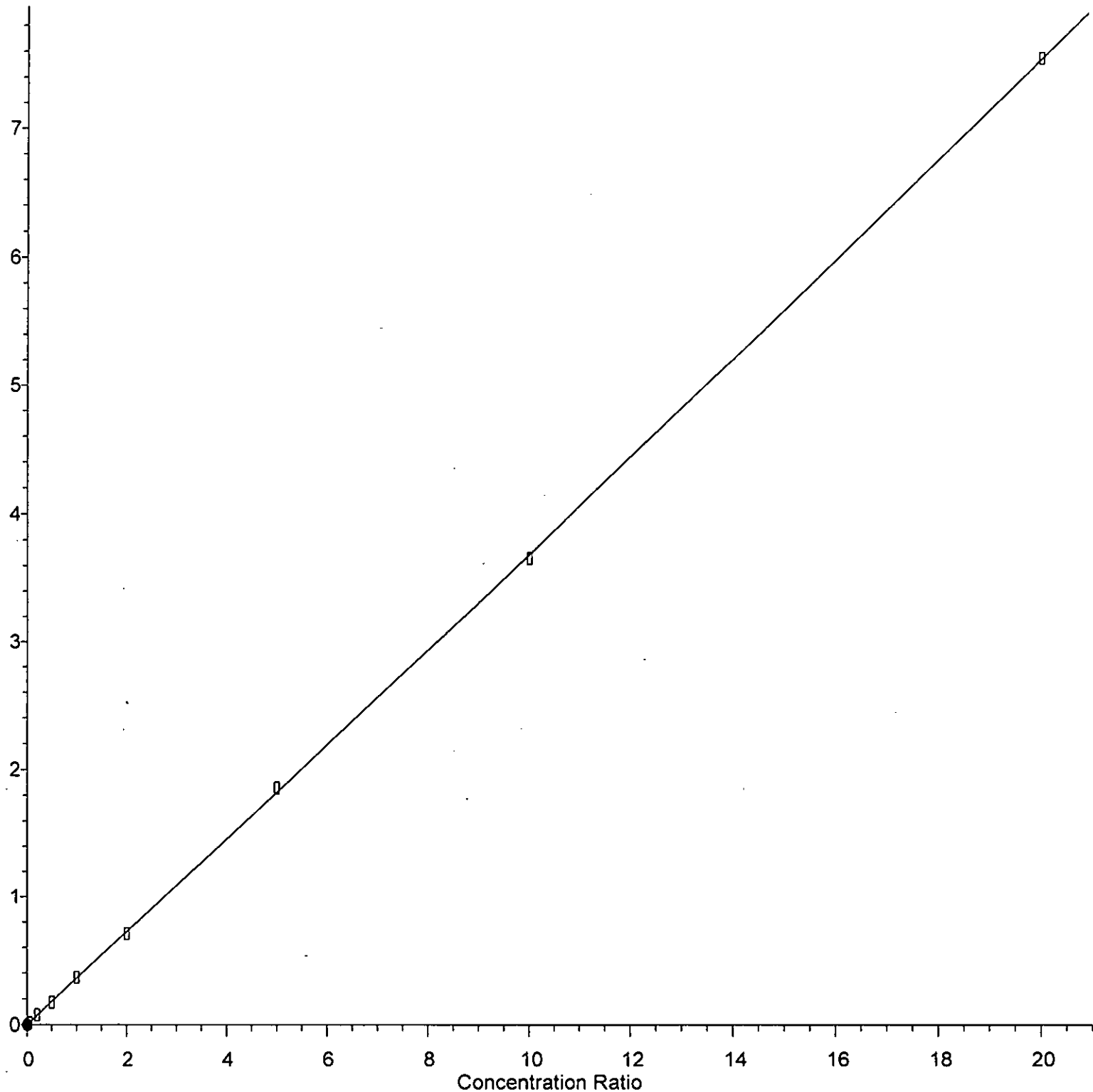
Response Ratio



$R = -5.900e-004 A^2 + 4.054e-001 A + 1.585e-003$
Coef of Det (r^2) = 0.999825 Curve Fit: Quadratic w(1/a)
Method Name: D:\Methods\Inst13\VB110522ms13.M
Calibration Table Last Updated: Mon Nov 07 15:16:10 2022

1,1-Dichloropropene

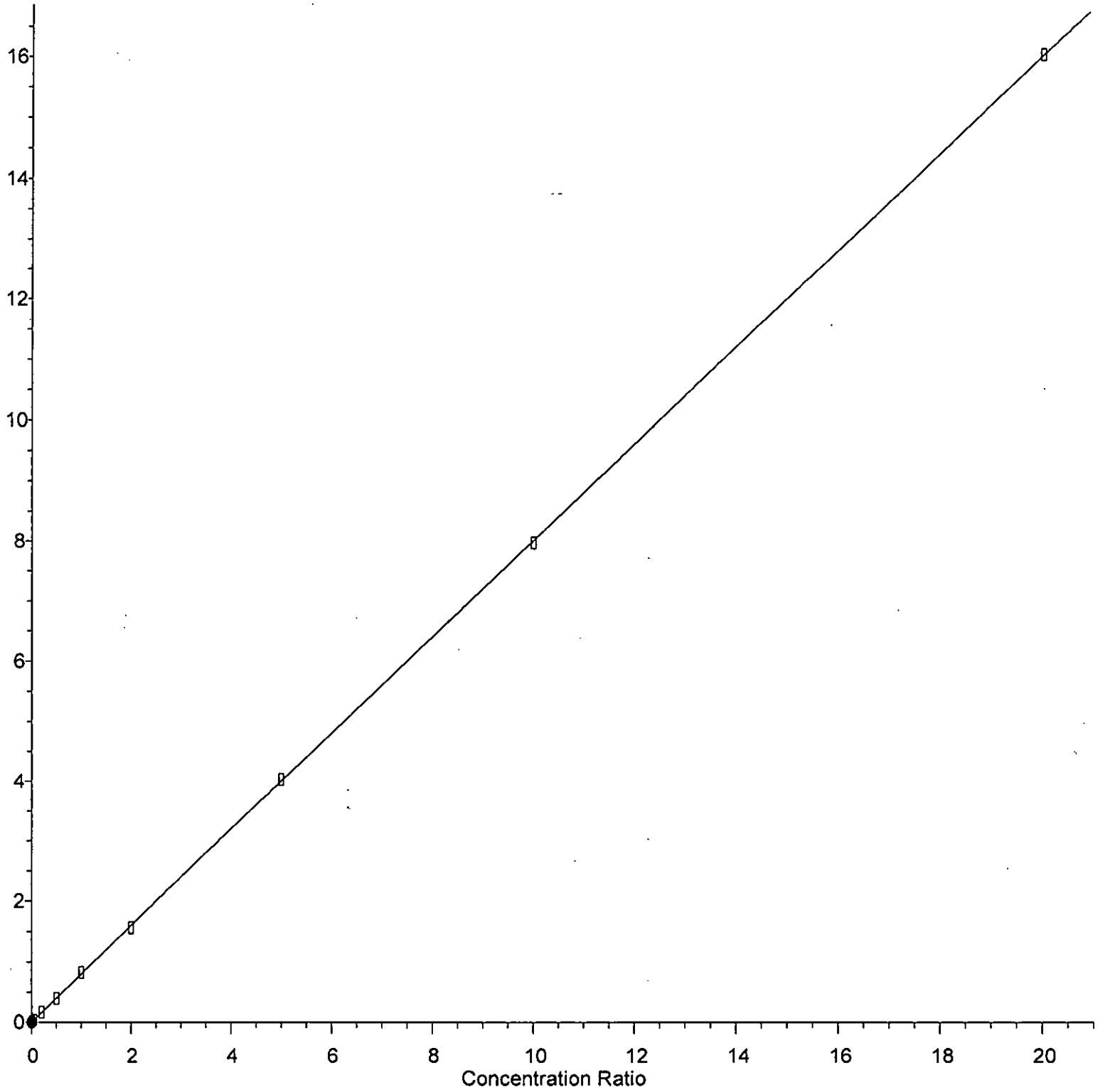
Response Ratio



$R = 8.977e-004 A^2 + 3.598e-001 A + 7.520e-004$
Coef of Det (r^2) = 0.999864 Curve Fit: Quadratic w(1/a)
Method Name: D:\Methods\Inst13\VB110522ms13.M
Calibration Table Last Updated: Mon Nov 07 15:16:10 2022

Toluene

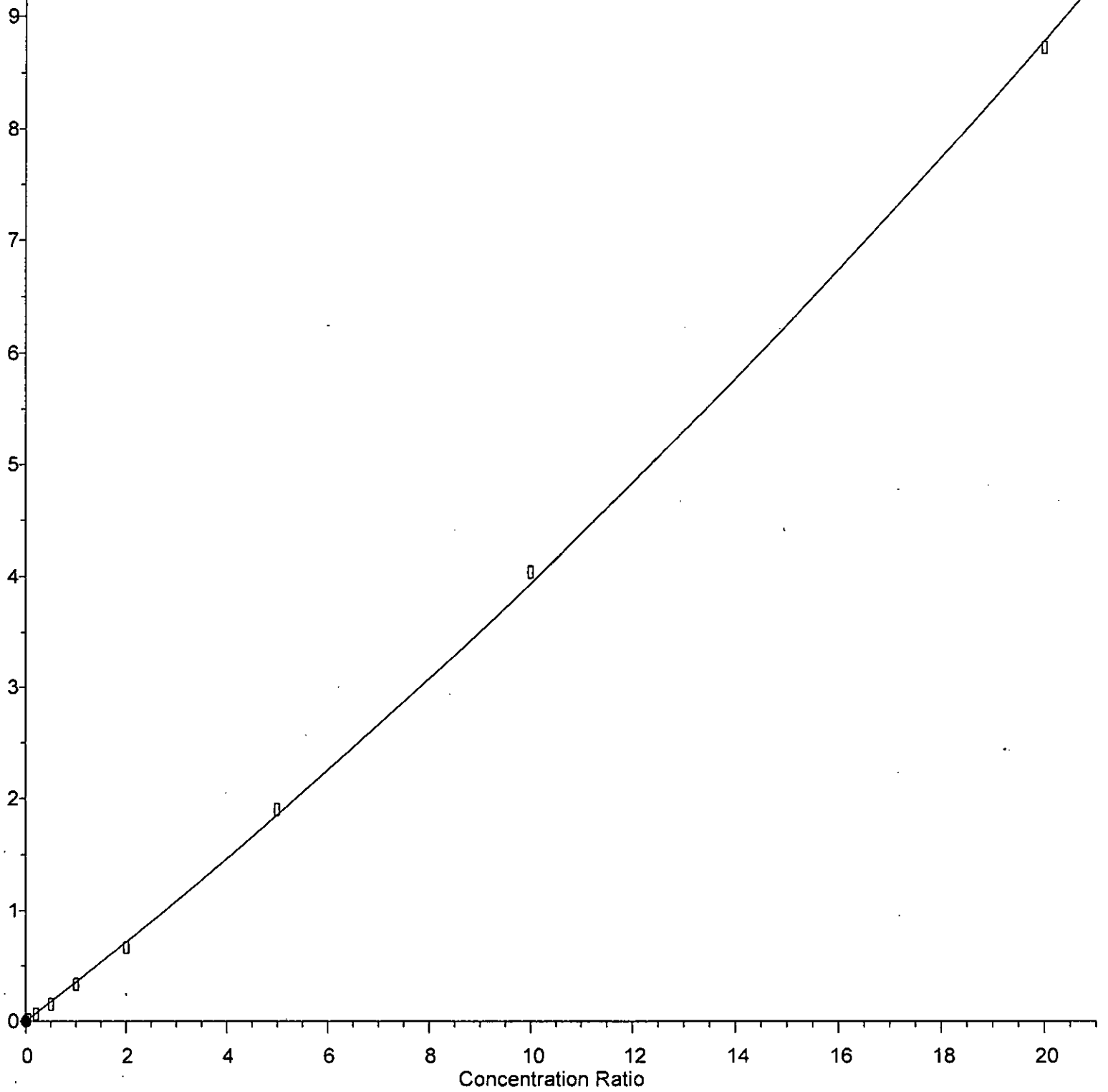
Response Ratio



$R = 1.206e-004 A^2 + 8.001e-001 A + 1.372e-003$
Coef of Det (r^2) = 0.999909 Curve Fit: Quadratic w(1/a)
Method Name: D:\Methods\Inst13\VB110522ms13.M
Calibration Table Last Updated: Mon Nov 07 15:16:10 2022

trans-1,3-Dichloropropene

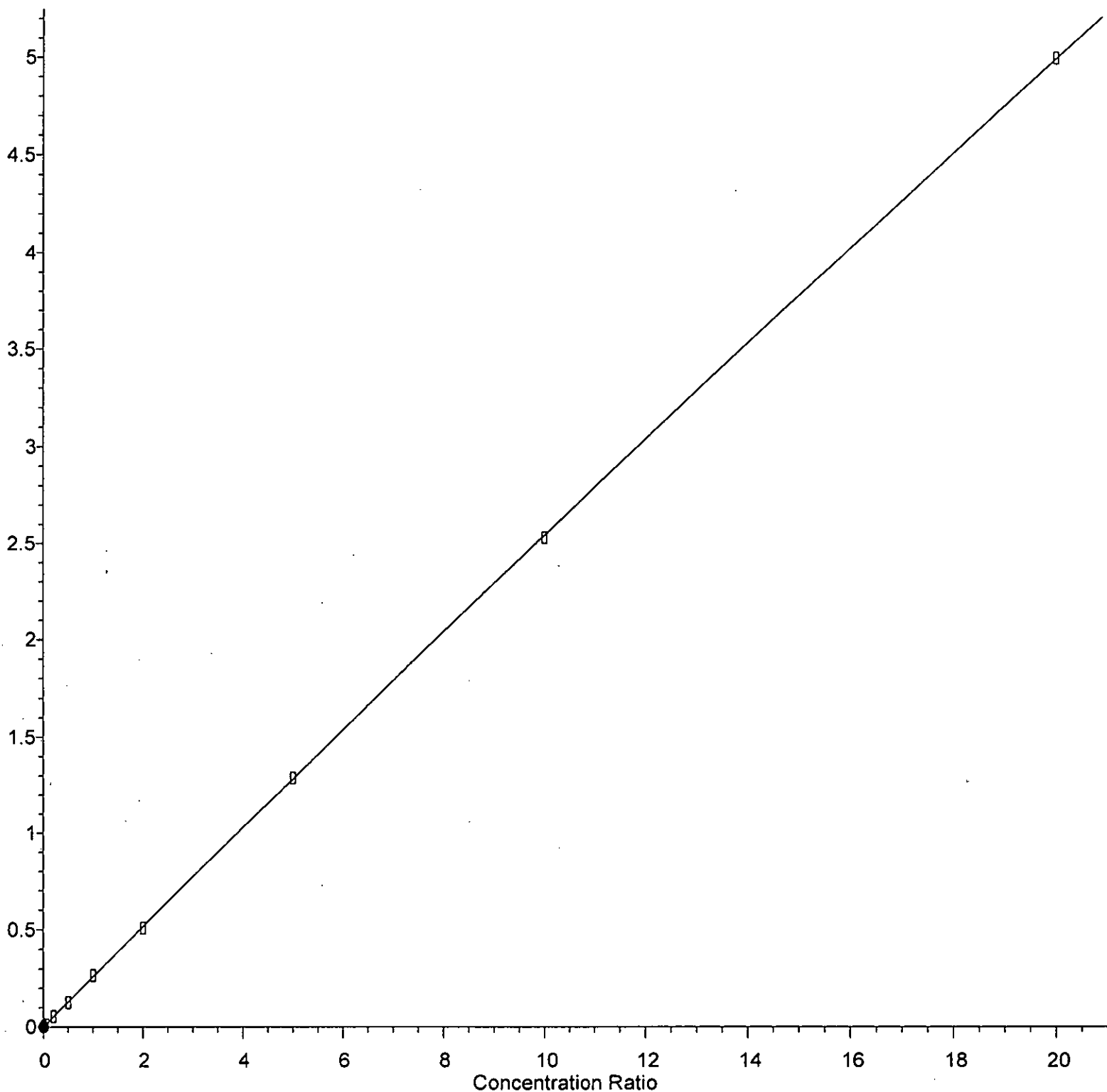
Response Ratio



$R = 4.600e-003 A^2 + 3.478e-001 A - 1.400e-004$
Coef of Det (r^2) = 0.999210 Curve Fit: Quadratic w(1/a)
Method Name: D:\Methods\Inst13\VB110522ms13.M
Calibration Table Last Updated: Mon Nov 07 15:16:10 2022

1,1,2-Trichloroethane

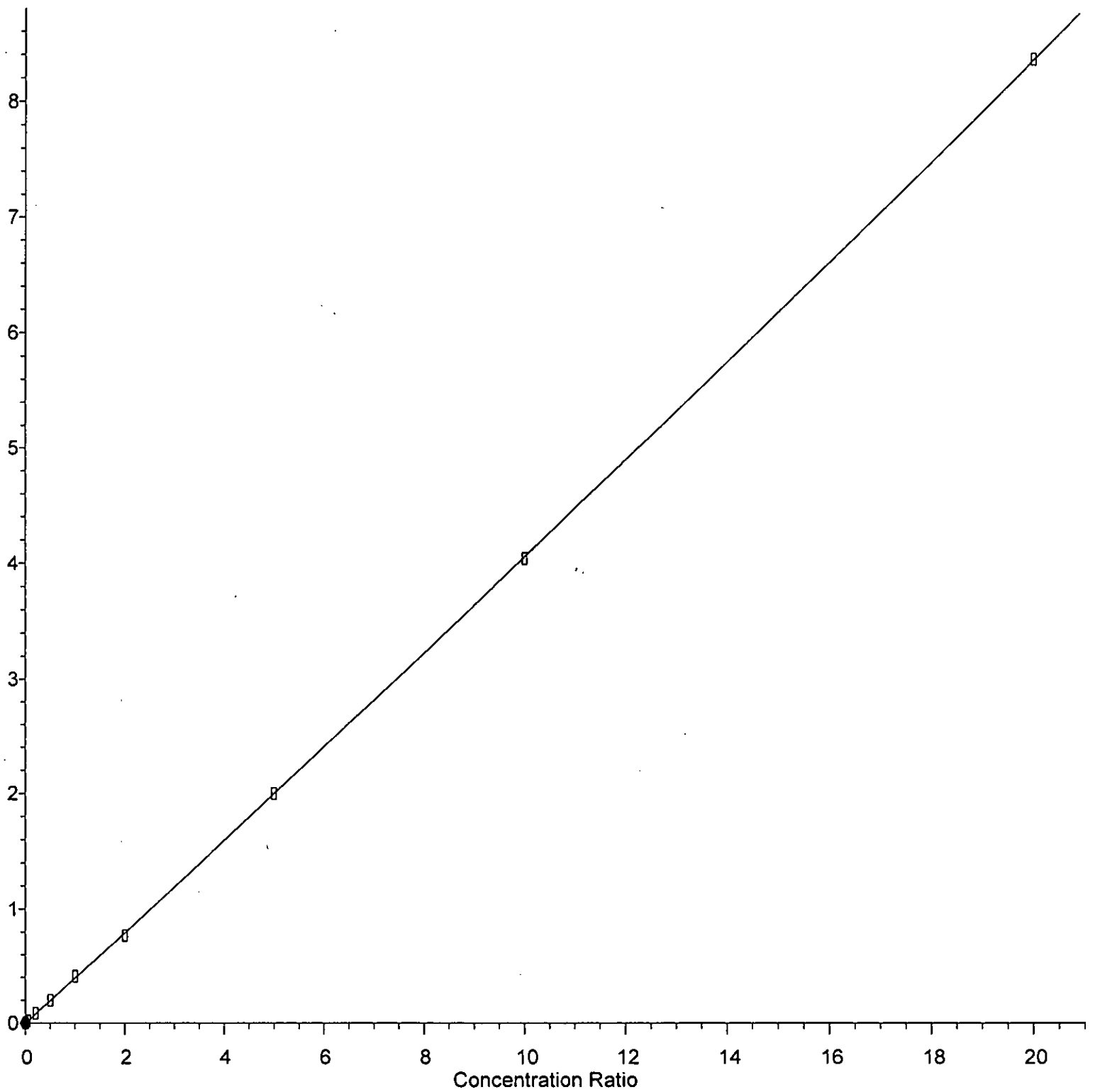
Response Ratio



$R = -4.579e-004 A^2 + 2.588e-001 A + 3.601e-004$
Coef of Det (r^2) = 0.999920 Curve Fit: Quadratic w(1/a)
Method Name: D:\Methods\Inst13\VB110522ms13.M
Calibration Table Last Updated: Mon Nov 07 15:16:10 2022

Tetrachloroethene

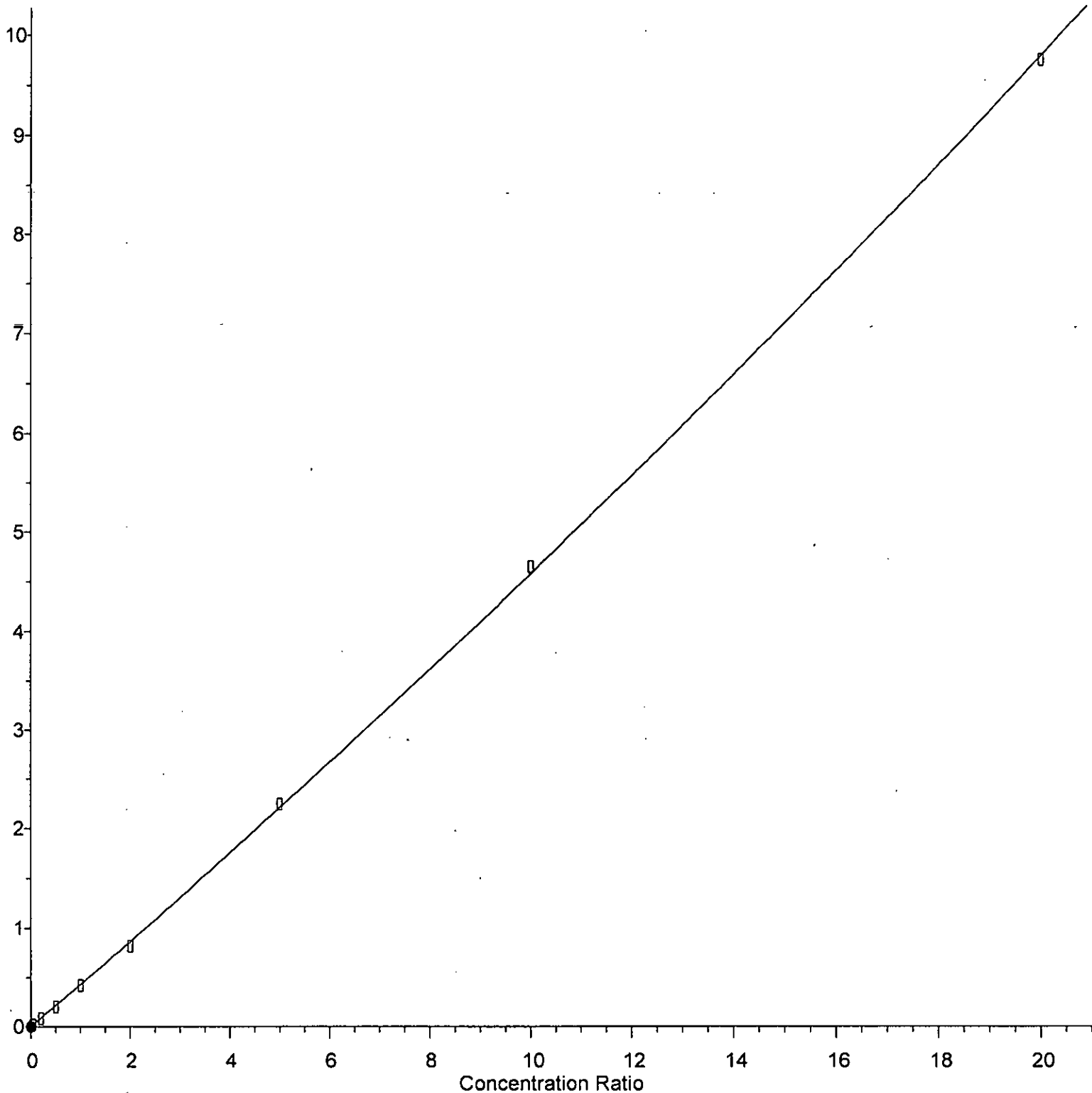
Response Ratio



$R = 1.268e-003 A^2 + 3.929e-001 A + 8.166e-004$
Coef of Det (r^2) = 0.999873 Curve Fit: Quadratic w(1/a)
Method Name: D:\Methods\Inst13\VB110522ms13.M
Calibration Table Last Updated: Mon Nov 07 15:16:10 2022

Dibromochloromethane

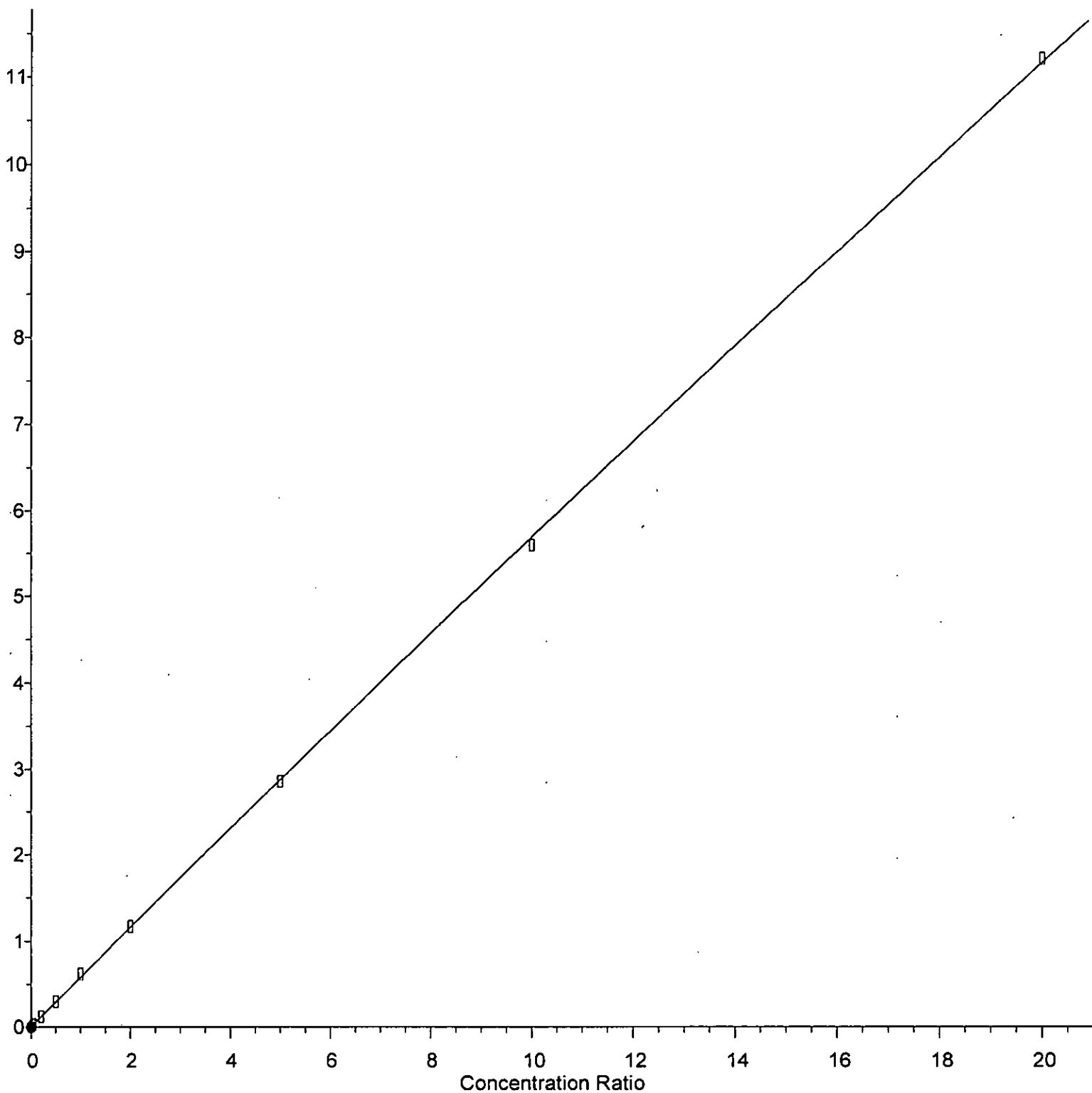
Response Ratio



$R = 3.269e-003 A^2 + 4.257e-001 A + 1.234e-003$
Coef of Det (r^2) = 0.999691 Curve Fit: Quadratic w(1/a)
Method Name: D:\Methods\Inst13\VB110522ms13.M
Calibration Table Last Updated: Mon Nov 07 15:16:10 2022

1,1,2,2-Tetrachloroethane

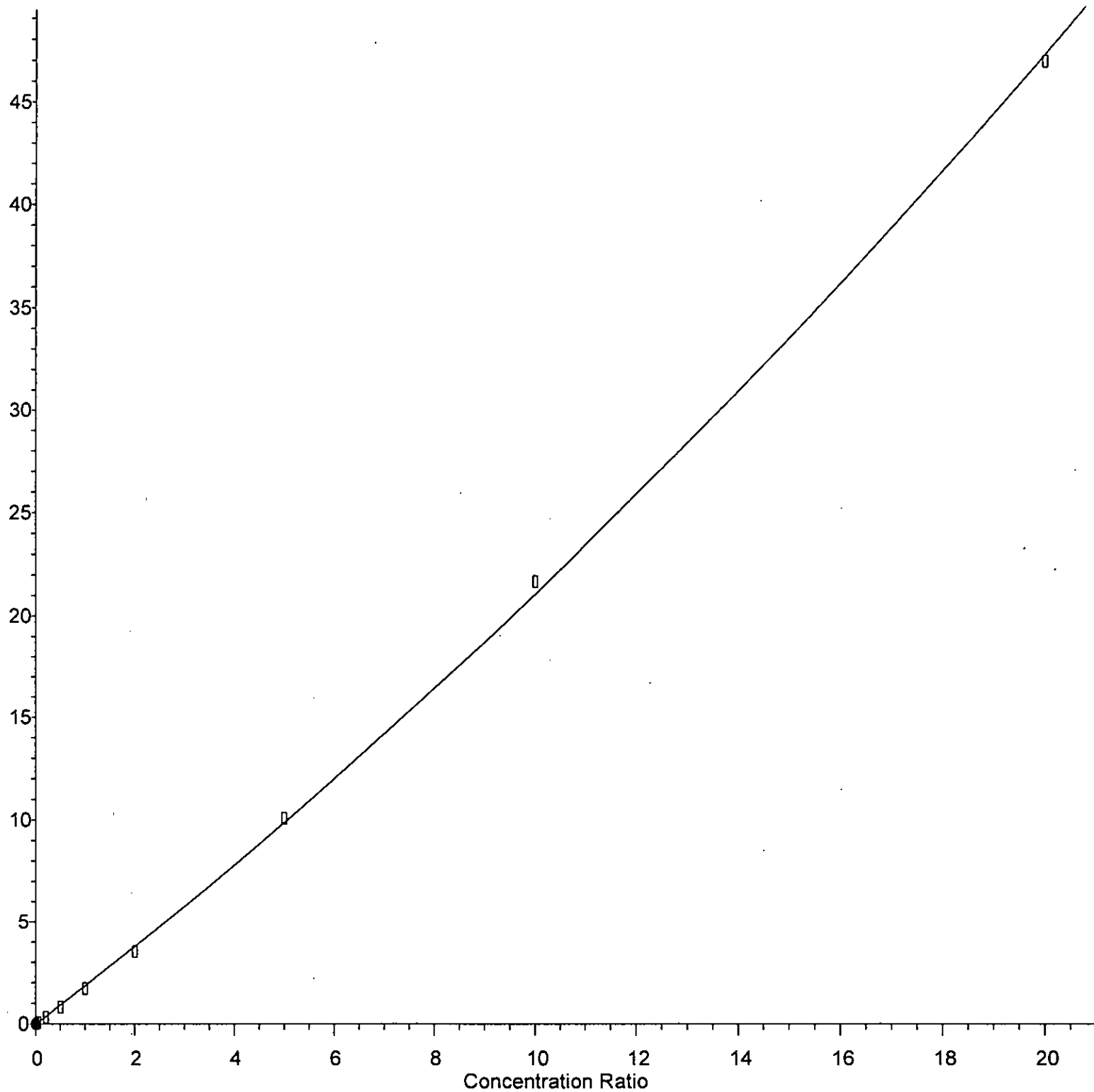
Response Ratio



$R = -1.016e-003 A^2 + 5.790e-001 A + 5.837e-003$
Coef of Det (r^2) = 0.999756 Curve Fit: Quadratic w(1/a)
Method Name: D:\Methods\Inst13\VB110522ms13.M
Calibration Table Last Updated: Mon Nov 07 15:16:10 2022

Naphthalene

Response Ratio



$R = 2.615e-002 A^2 + 1.847e+000 A - 1.442e-002$
Coef of Det (r^2) = 0.999269 Curve Fit: Quadratic w(1/a)
Method Name: D:\Methods\Inst13\VB110522ms13.M
Calibration Table Last Updated: Mon Nov 07 15:16:10 2022

GC/MS ICAL Checklist

Instrument: GC/MS 13

Sequence Date: 1.05.22 / 11.07.22 Shift # 1

Item	Initial	Date
Shift and Batch		
Initial Calibration Analyzed, Evaluated and Passed	✓ <i>WY</i>	11.07.22
2nd source passed	✓	|
Analyte retention time checked	✓	|
Tune passed	✓	|
Non-Conformance Report filled out (if needed)	NA	|

Notes: *toluene failed high in SCV 18150 ppb but*
SCV analyzed on 11.07.22 used prep vials
WY 11.07.22

Attach this sheet to raw data package.

YA 11/14/22
 Supervisor Initials and Date

GC/MS QA-QC Check Report

Tune File : D:\Proc_GCMS13\11-05-22\110503.D

Tune Time : 05 Nov 2022 10:22 am

Daily Calibration File : D:\Proc_GCMS13\11-05-22\110514.D

(DMF) (DHL) (TOL) (BFB)

104308

87057

51133

File	Sample	Surrogate Recovery %				Internal Standard Responses		
110506.D	0.02 ppb 8	101	100	99	104	110742	89451	50648
110507.D	0.04 ppb 8	95	104	99	106	111750	92506	50709
110508.D	0.1 ppb 82	102	104	100	105	109470	90583	50314
110509.D	0.2 ppb 8	101	104	97	105	108326	89660	50001
110510.D	0.5 ppb 82	101	95	96	100	111564	90038	50622
110511.D	1 ppb 8260	99	102	101	99	110201	89750	52061
110512.D	2 ppb 8260	100	99	100	98	108368	87014	51026
110513.D	5 ppb 8260	97	97	99	100	109707	88629	50120
110514.D	10 ppb 826	100	105	102	100	104308	87057	51133
110515.D	20 ppb 826	100	97	101	96	105008	89462	52775
110516.D	50 ppb 826	101	94	100	95	104359	89151	54409
110517.D	100 ppb 82	101	98	103	96	105192	89610	53646
110518.D	150 ppb 82	98	100	102	95	106741	92515	56204
110519.D	200 ppb 82	102	103	102	94	105227	91763	54540

(fails) - fails 12hr time check * - fails criteria

Created: Mon Nov 07 15:53:07 2022 GCMS13

GC/MS QA-QC Check Report

Tune File : D:\Proc_GCMS13\11-07-22\110706.D

Tune Time : 07 Nov 2022 10:34 am

Daily Calibration File : D:\Proc_GCMS13\11-07-22\110706.D

(DMF) (DHL) (TOL) (BFB)

107809 88712 52143

File Sample Surrogate Recovery % Internal Standard Responses

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110706.D	10 ppb	826	101	103	101	98	107809	88712	52143
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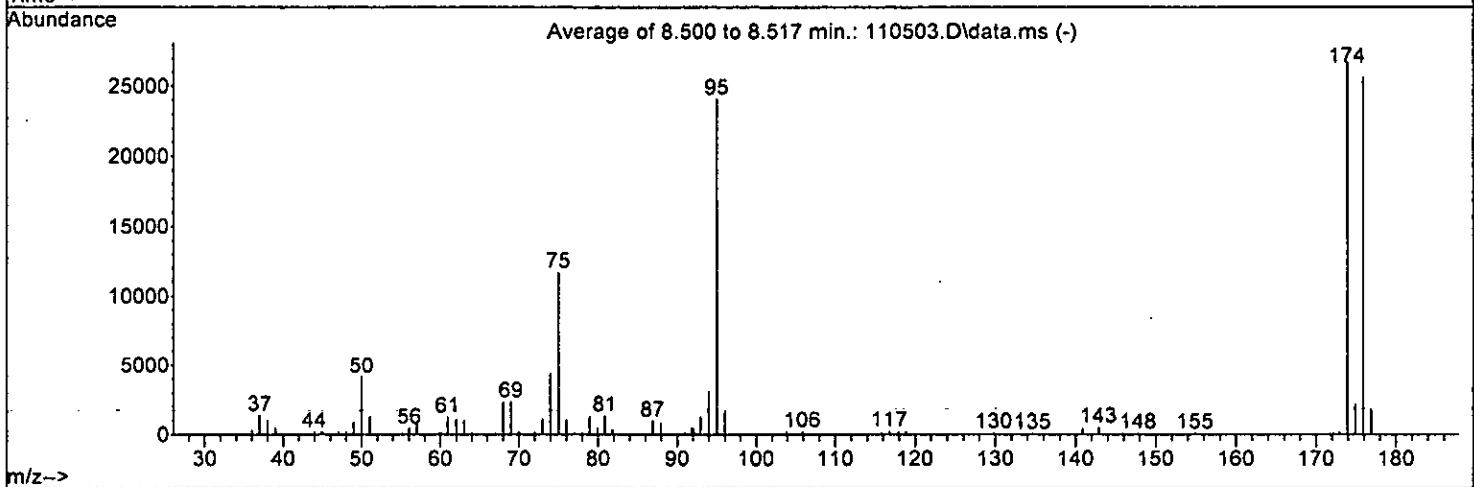
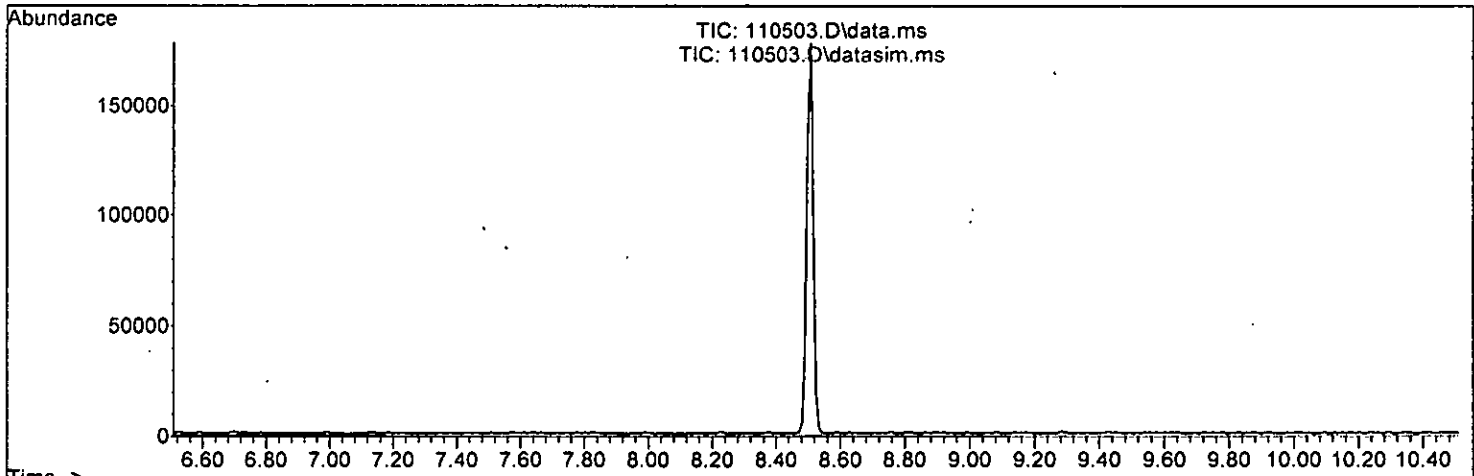
(fails) - fails 12hr time check * - fails criteria

Created: Mon Nov 07 15:51:48 2022 GCMS13

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110503.D
 Acq On : 05 Nov 2022 10:22 am
 Operator : VM
 Sample : 50 ng BFB 67-152A
 Misc : water
 ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: LSCINT.P
 Integration File signal 2: rteint2.p

Method : D:\Methods\Inst13\VB110522ms13.M
 Title : 8260 Purge & Trap Volatiles Dual Acquisition
 Last Update : Mon Nov 07 10:10:04 2022



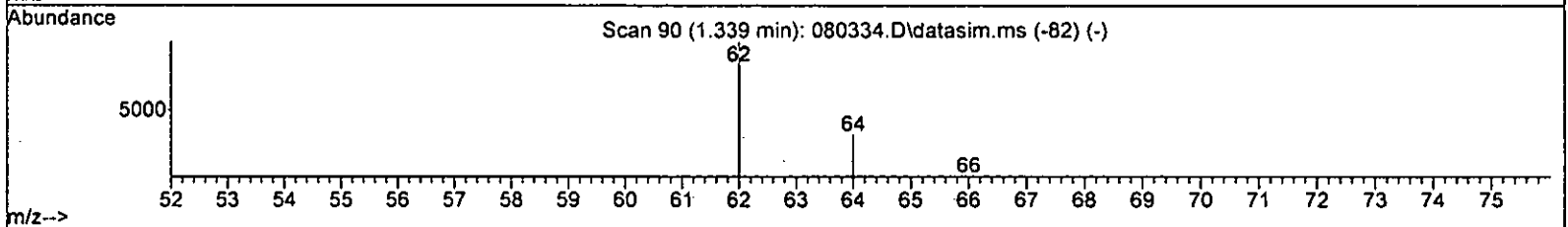
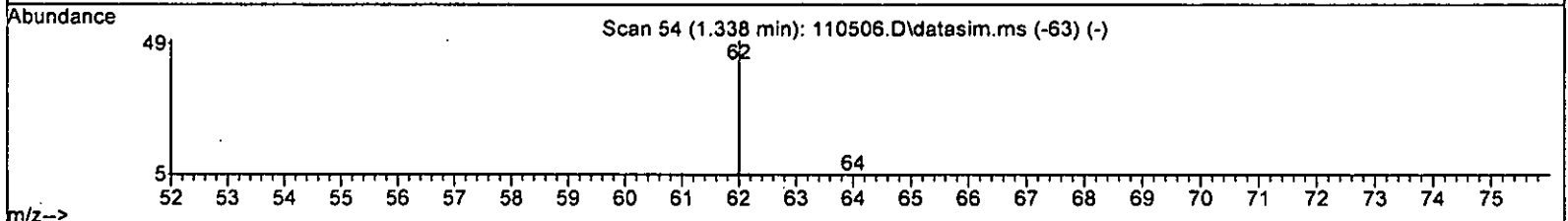
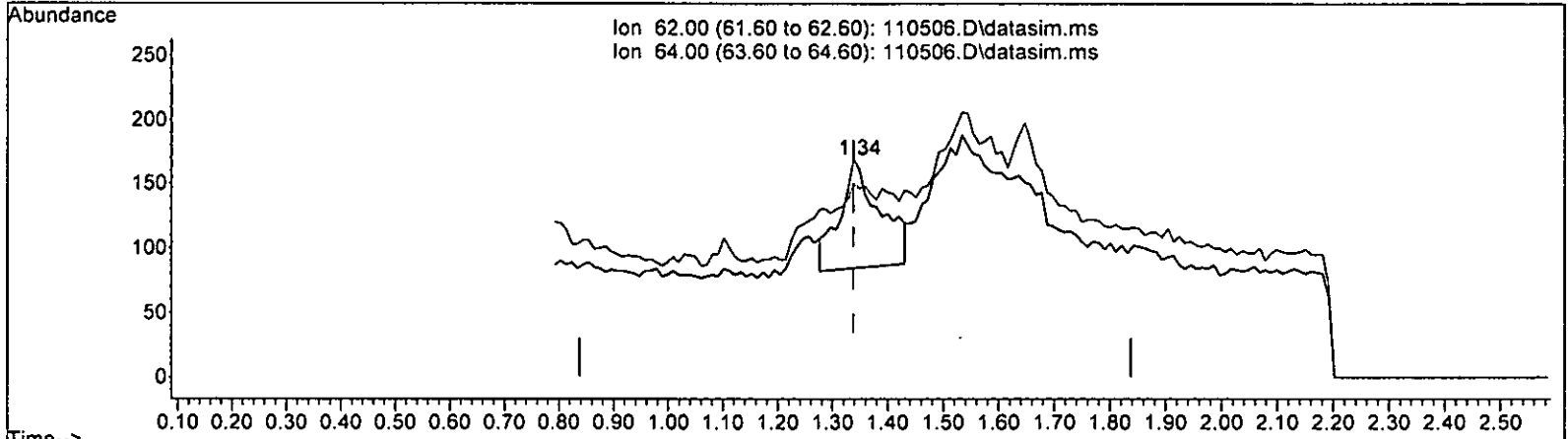
AutoFind: Scans 715, 716, 717; Background Corrected with Scan 709

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
95	174	50	200	90.0	24071	PASS
96	95	5	9	6.7	1621	PASS
173	174	0.00	2	0.6	157	PASS
174	95	50	200	111.1	26747	PASS
175	174	5	9	8.0	2142	PASS
176	174	95	105	95.8	25611	PASS
177	176	5	10	6.9	1773	PASS

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110506.D
 Acq On : 05 Nov 2022 11:34 am
 Operator : VM
 Sample : 0.02 ppb 8260 ICAL 67-177F
 Misc : soil/water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:09 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110506.D\data.ms

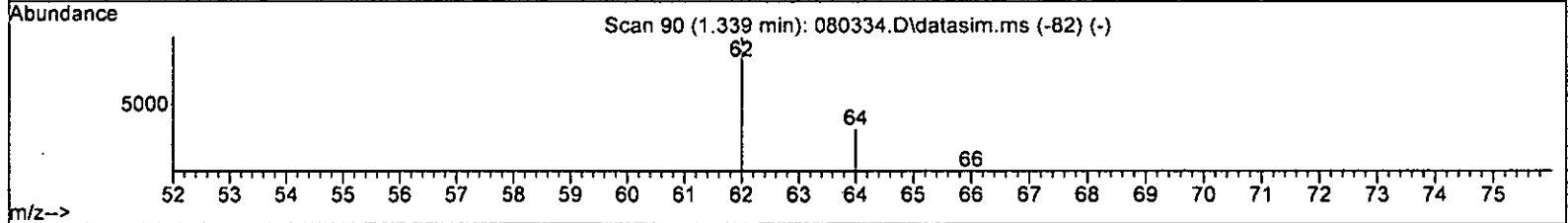
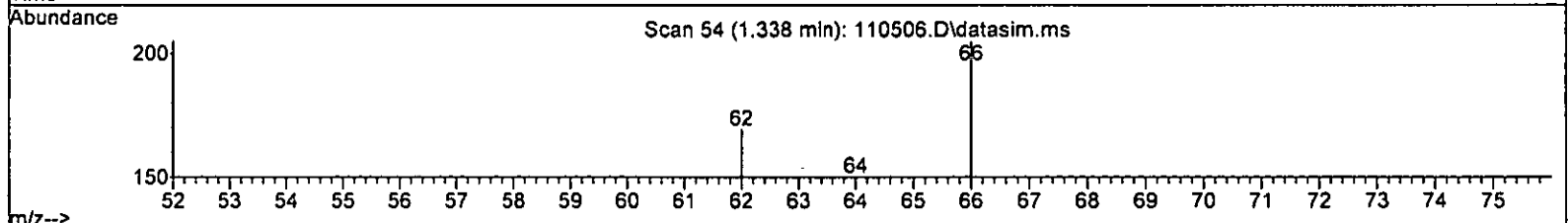
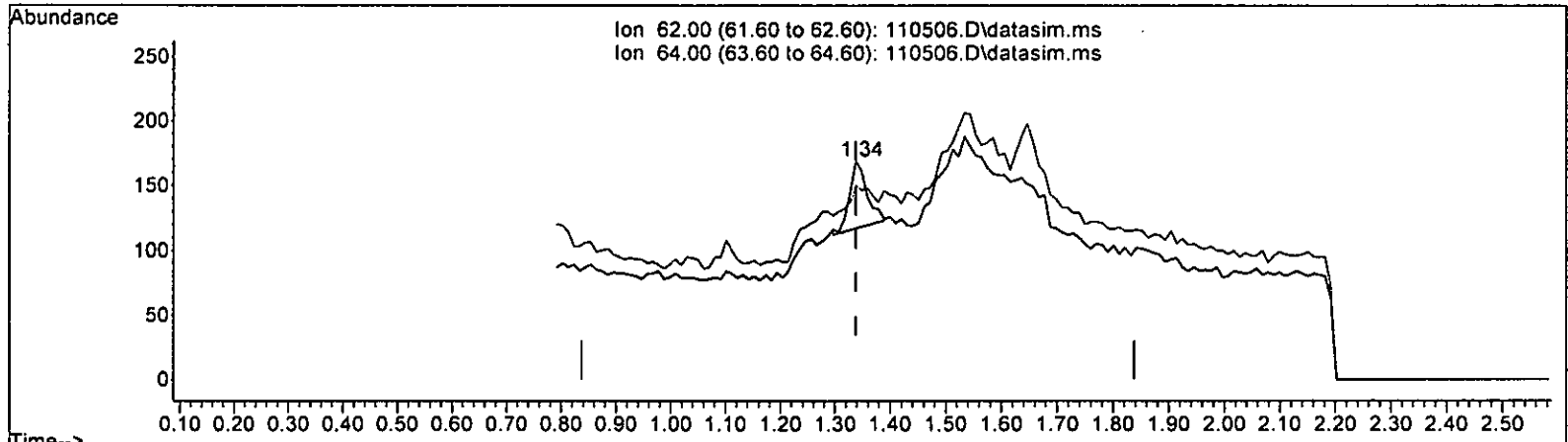
(6) Vinyl chloride (TMP)
 1.338min (-0.000) 0.075 ppb
 response 423

Ion	Exp%	Act%
62.00	100.00	100.00
64.00	34.40	32.26
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110506.D
 Acq On : 05 Nov 2022 11:34 am
 Operator : VM
 Sample : 0.02 ppb 8260 ICAL 67-177F
 Misc : soil/water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:09 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110506.D\data.ms

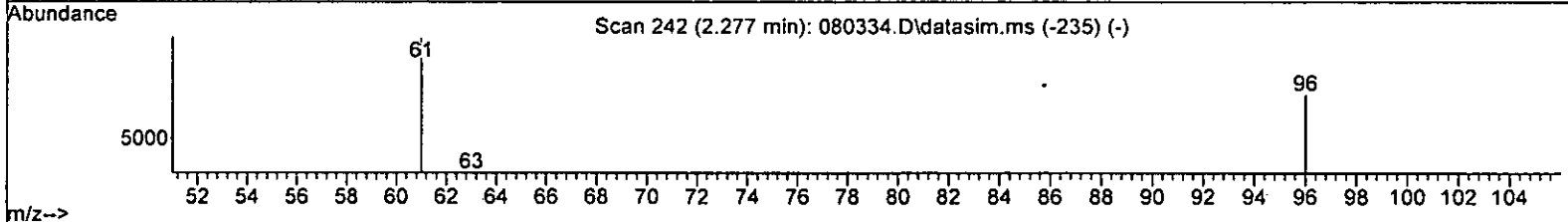
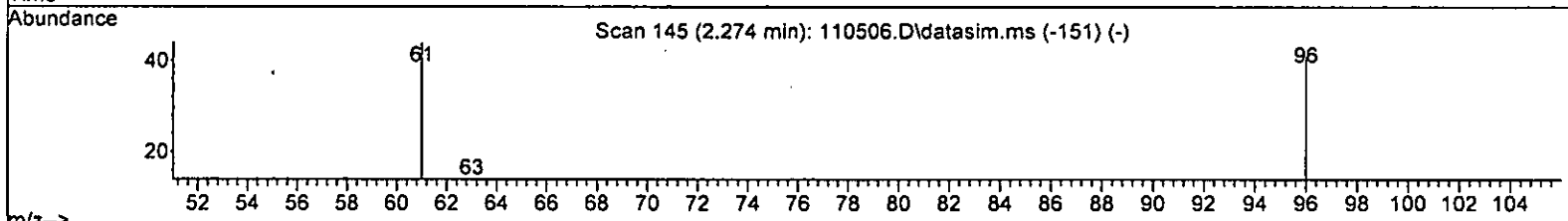
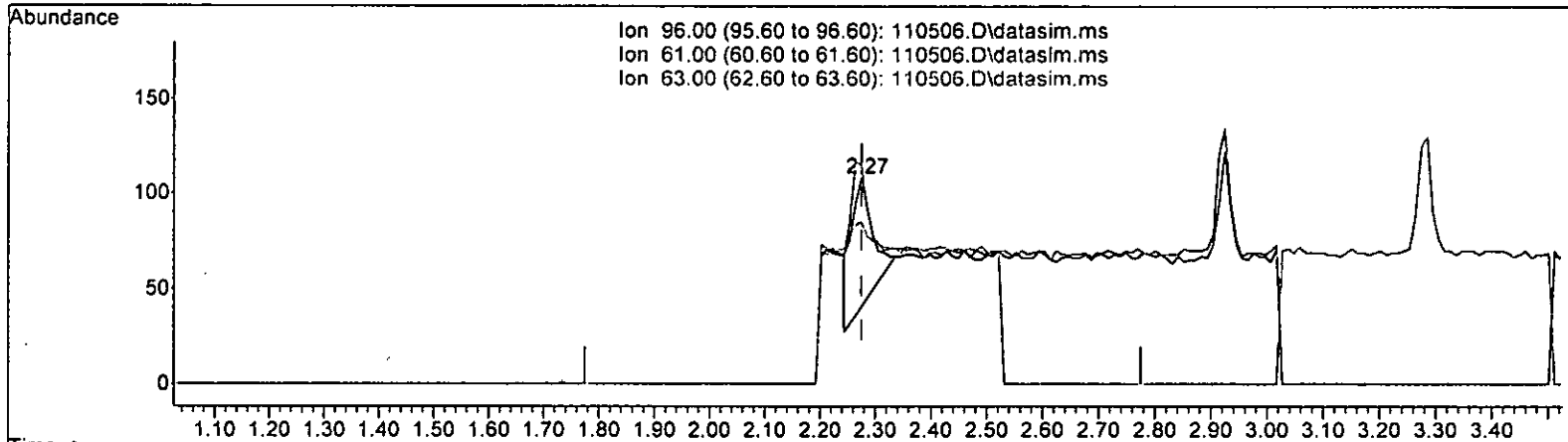
(6) Vinyl chloride (TMP)
 1.338min (-0.000) 0.020 ppb m
 response 115

Ion	Exp%	Act%
62.00	100.00	100.00
64.00	34.40	88.76#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110506.D
 Acq On : 05 Nov 2022 11:34 am
 Operator : VM
 Sample : 0.02 ppb 8260 ICAL 67-177F
 Misc : soil/water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:09 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



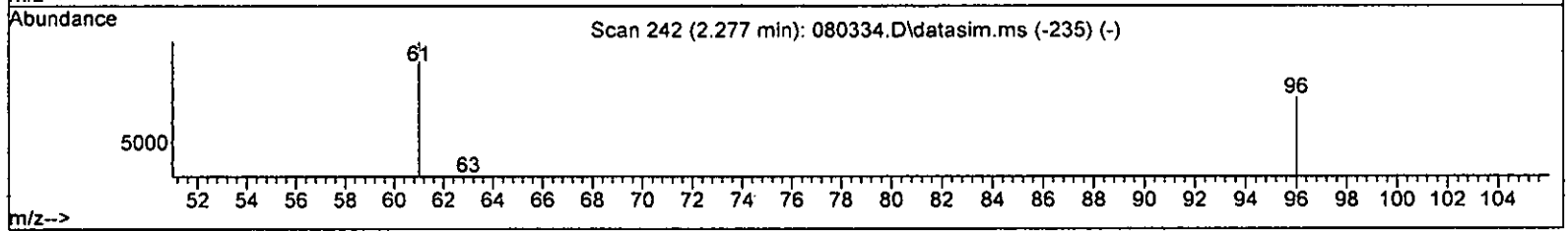
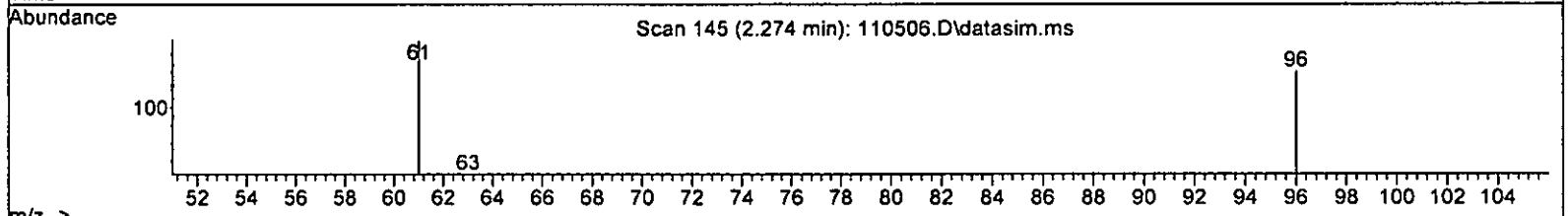
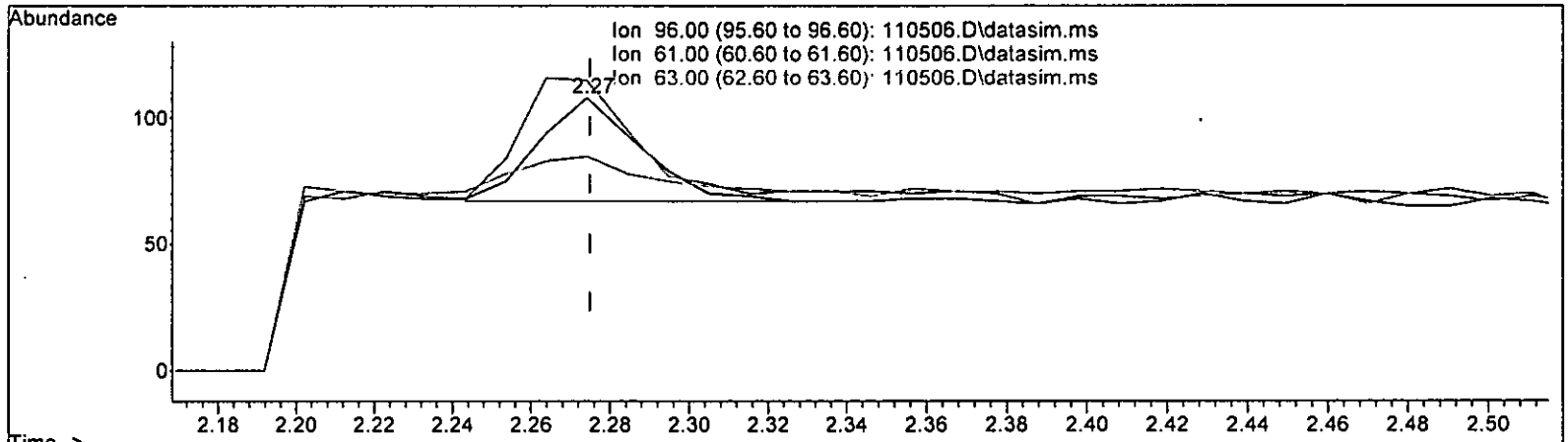
TIC: 110506.D\data.ms

(12)	1,1-Dichloroethene (TMP)	
2.274min (-0.001)	0.059 ppb	
response	185	
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	120.90	114.63
63.00	43.90	34.15
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110506.D
 Acq On : 05 Nov 2022 11:34 am
 Operator : VM
 Sample : 0.02 ppb 8260 ICAL 67-177F
 Misc : soil/water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:09 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110506.D\data.ms

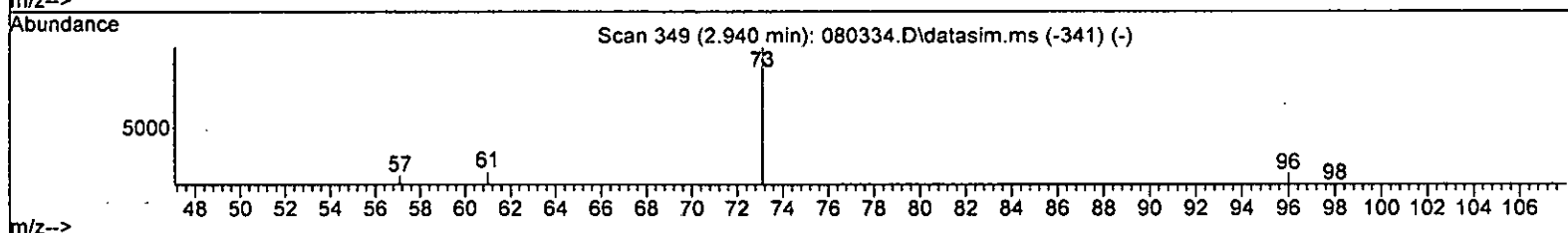
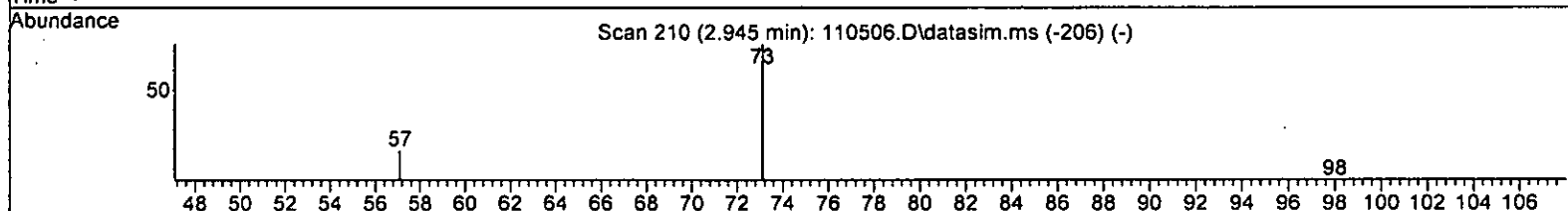
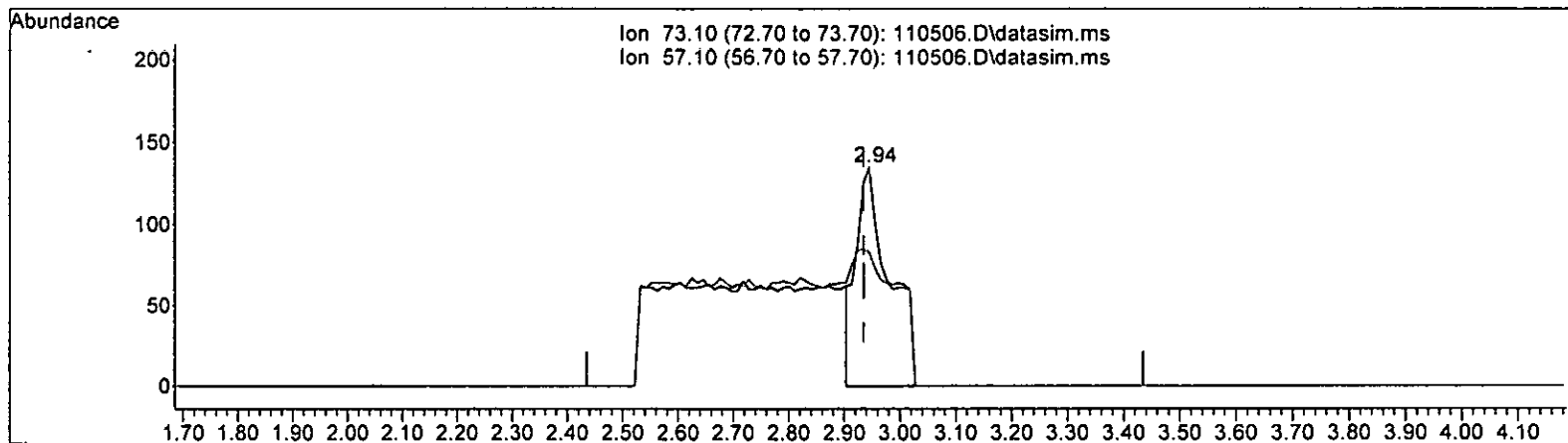
(12) 1,1-Dichloroethene (TMP)
 2.274min (-0.001) 0.023 ppb m

response	74	
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	120.90	106.48
63.00	43.90	78.70#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110506.D
 Acq On : 05 Nov 2022 11:34 am
 Operator : VM
 Sample : 0.02 ppb 8260 ICAL 67-177F
 Misc : soil/water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:09 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110506.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

2.945min (+ 0.010) 0.075 ppb

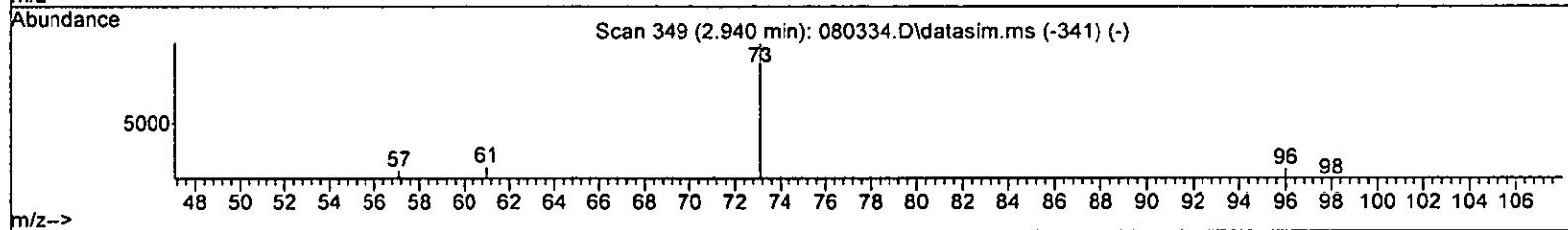
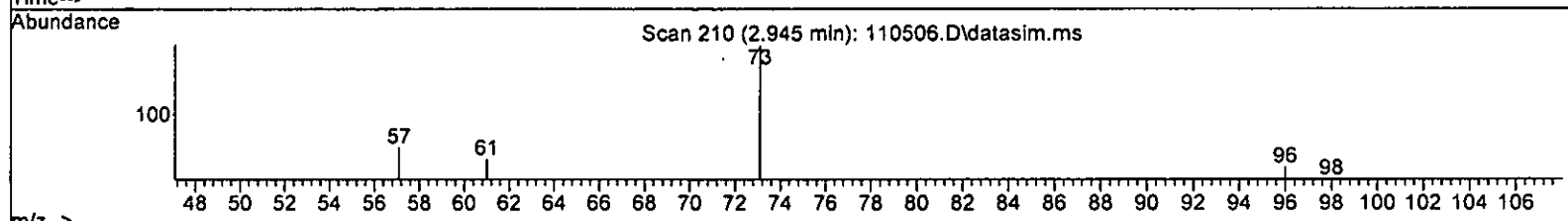
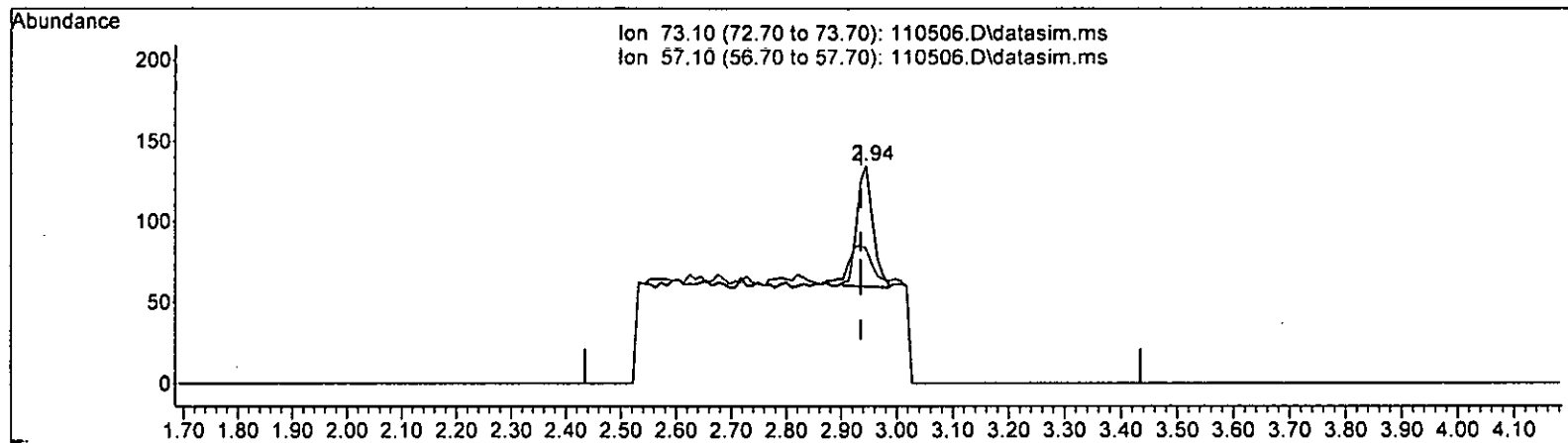
response 555

Ion	Exp%	Act%
73.10	100.00	100.00
57.10	19.40	61.48#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110506.D
 Acq On : 05 Nov 2022 11:34 am
 Operator : VM
 Sample : 0.02 ppb 8260 ICAL 67-177F
 Misc : soil/water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:09 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110506.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

2.945min (+ 0.010) 0.020 ppb m

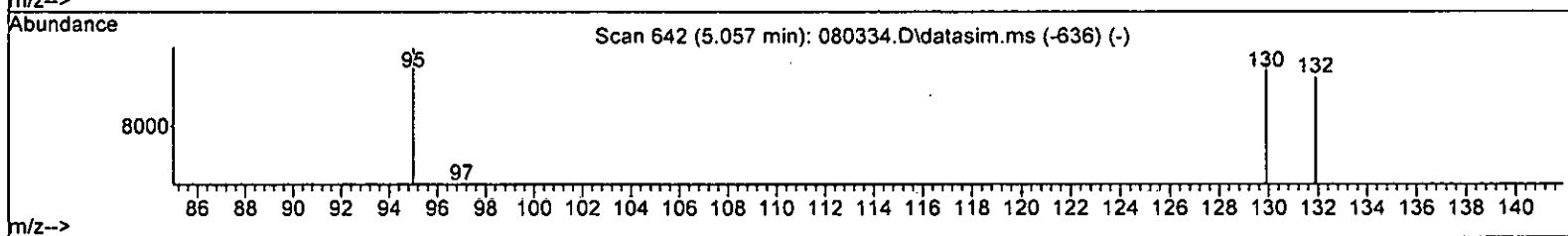
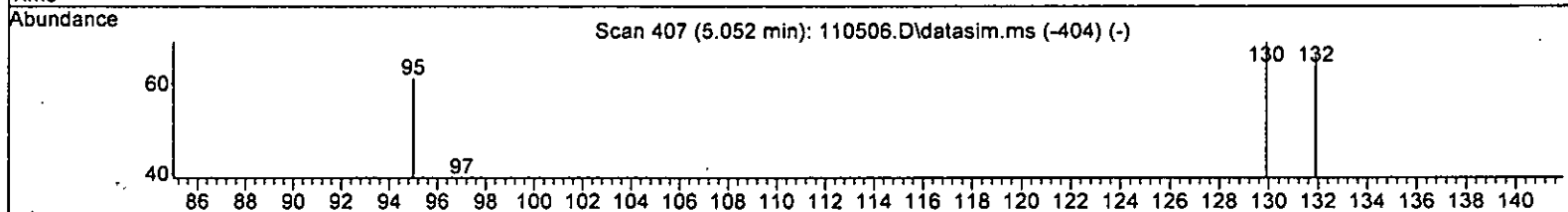
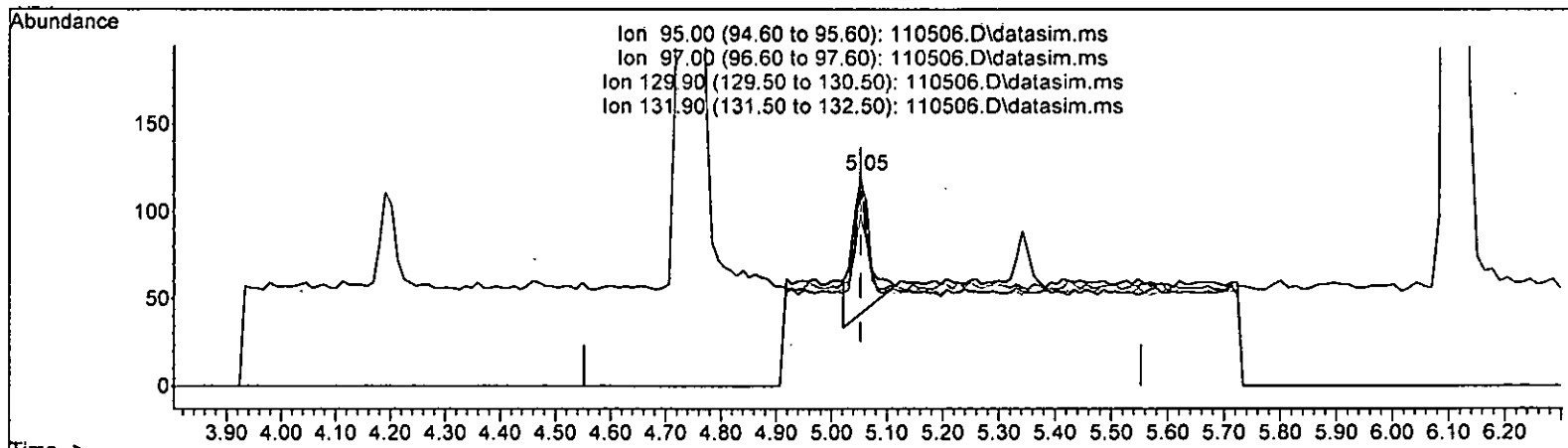
response 147

Ion	Exp%	Act%
73.10	100.00	100.00
57.10	19.40	61.48#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110506.D
 Acq On : 05 Nov 2022 11:34 am
 Operator : VM
 Sample : 0.02 ppb 8260 ICAL 67-177F
 Misc : soil/water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:09 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110506.D\data.ms

(32) Trichloroethene (TME)

5.052min (-0.001) 0.041 ppb

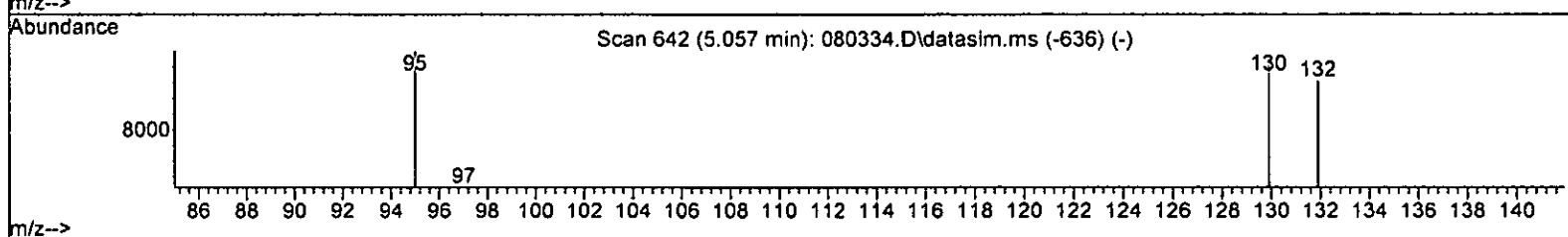
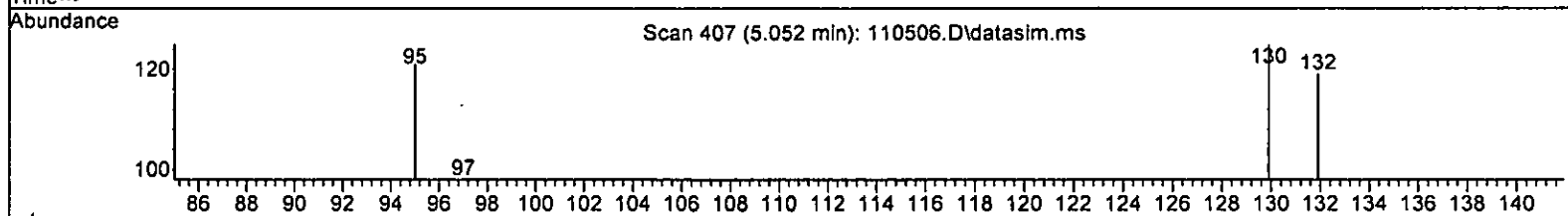
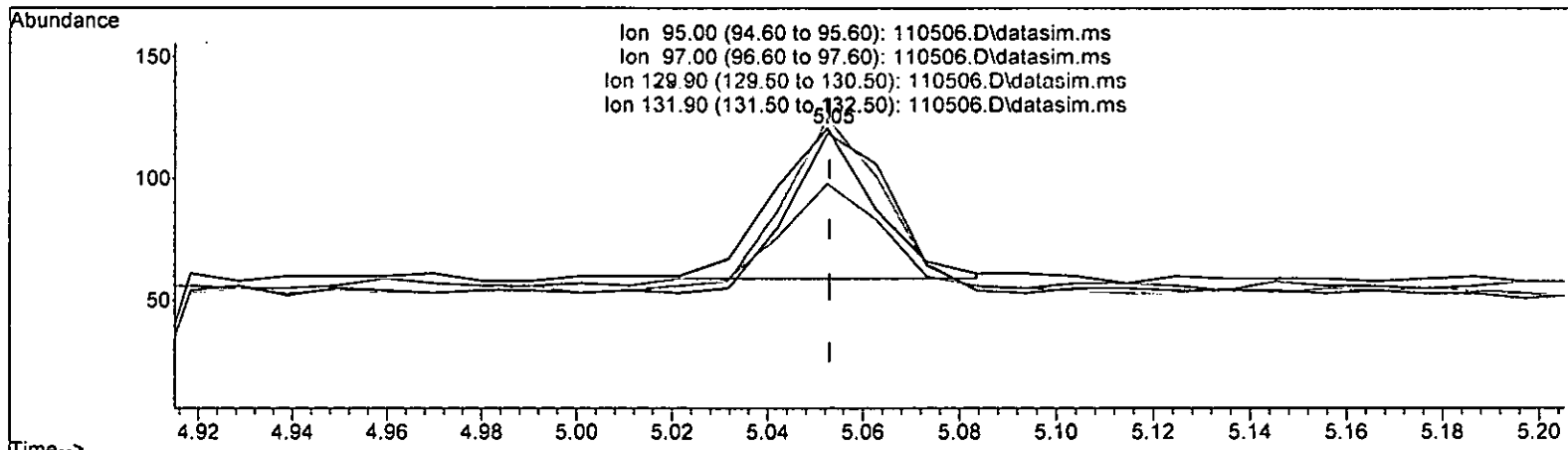
response 168

Ion	Exp%	Act%
95.00	100.00	100.00
97.00	64.60	64.06
129.90	103.40	112.50
131.90	95.80	103.13

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110506.D
 Acq On : 05 Nov 2022 11:34 am
 Operator : VM
 Sample : 0.02 ppb 8260 ICAL 67-177F
 Misc : soil/water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:09 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110506.D\data.ms

(32) Trichloroethene (TMP)

5.052min (-0.001) 0.022 ppb m

response	90
Ion	Exp% Act%
95.00	100.00 100.00
97.00	64.60 80.99
129.90	103.40 103.31
131.90	95.80 98.35

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110506.D
 Acq On : 05 Nov 2022 11:34 am
 Operator : VM
 Sample : 0.02 ppb 8260 ICAL 67-177F
 Misc : soil/water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:09 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	4.75	96	110742	10.000	ppb	0.00	
39) Chlorobenzene-d5	7.40	117	89451	10.000	ppb	0.00	
56) 1,4-Dichlorobenzene-d4	9.62	152	50648	10.000	ppb	0.00	
System Monitoring Compounds							
3) Dibromofluoromethane	4.17	113	35797	10.080	ppb	0.00	
Spiked Amount	10.000	Range 50 - 150	Recovery	=	100.80%		
30) 1,2-Dichloroethane-d4	4.45	102	6904	10.031	ppb	0.00	
Spiked Amount	10.000	Range 84 - 120	Recovery	=	100.30%		
35) Toluene-d8	6.11	98	104736	9.917	ppb	0.00	
Spiked Amount	10.000	Range 73 - 128	Recovery	=	99.20%		
57) 4-Bromofluorobenzene	8.51	95	36207	10.375	ppb	0.00	
Spiked Amount	10.000	Range 57 - 146	Recovery	=	103.70%		
Target Compounds							
							Qvalue
2) Ethanol	2.34	45	525	No	Calib		
4) Dichlorodifluoromethane	0.00		0	N.D.	d		
5) Chloromethane	0.00		0	N.D.	d		
6] Vinyl chloride	1.34	62	115m	0.020	ppb		
7) Bromomethane	0.00		0	N.D.			
8) Chloroethane	0.00		0	N.D.	d		
9) Trichlorofluoromethane	0.00		0	N.D.	d		
10) 2-Propanol	0.00		0	N.D.	d		
11) Acetone	0.00		0	N.D.	d		
12] 1,1-Dichloroethene	2.27	96	74m	0.023	ppb		
13) Hexane	0.00		0	N.D.	d		
14) Methylene chloride	0.00		0	N.D.	d		
15) t-Butyl alcohol (TBA)	0.00		0	N.D.			
16] Methyl t-butyl ether (...)	2.94	73	147m	0.020	ppb		
17] trans-1,2-Dichloroethene	2.92	96	81	0.023	ppb		97
18) Diisopropyl ether (DIPE)	0.00		0	N.D.	d		
19] 1,1-Dichloroethane	3.28	63	109	0.021	ppb		94
20) Ethyl t-butyl ether (E...)	0.00		0	N.D.			
21) 2,2-Dichloropropane	0.00		0	N.D.	d		
22] cis-1,2-Dichloroethene	3.77	96	83	0.022	ppb		84
23) Chloroform	0.00		0	N.D.	d		
24) 2-Butanone (MEK)	0.00		0	N.D.	d		
25) t-Amyl methyl ether (T...)	0.00		0	N.D.	d		
26) 1,2-Dichloroethane (EDC)	0.00		0	N.D.	d		
27] 1,1,1-Trichloroethane	4.19	97	117	0.022	ppb		93
28) 1,1-Dichloropropene	0.00		0	N.D.			
29) Carbon tetrachloride	0.00		0	N.D.			
31] Benzene	4.50	78	275	0.022	ppb		92
32] Trichloroethene	5.05	95	90m	0.022	ppb		
33) 1,2-Dichloropropane	0.00		0	N.D.	d		
34) Bromodichloromethane	0.00		0	N.D.	d		
36) Dibromomethane	0.00		0	N.D.			

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110506.D
 Acq On : 05 Nov 2022 11:34 am
 Operator : VM
 Sample : 0.02 ppb 8260 ICAL 67-177F
 Misc : soil/water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS13

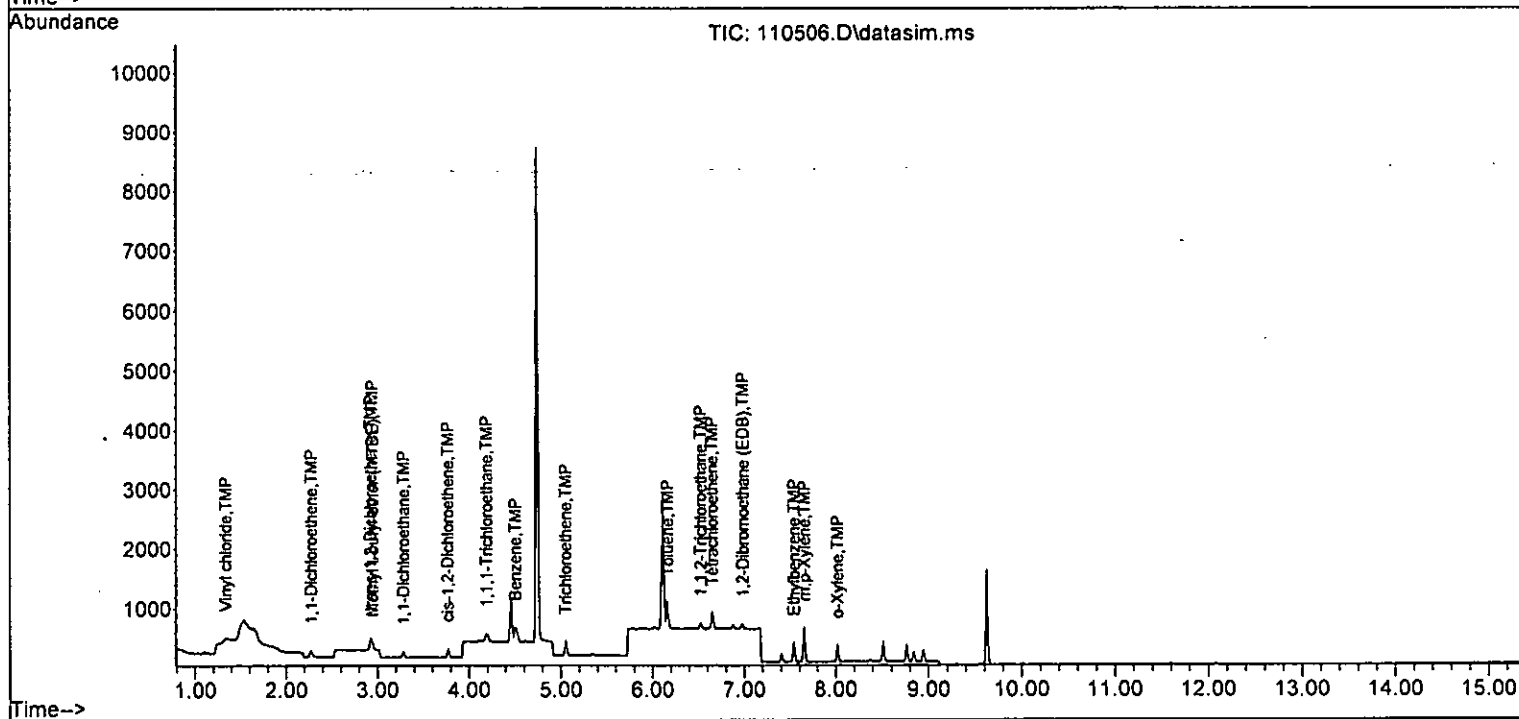
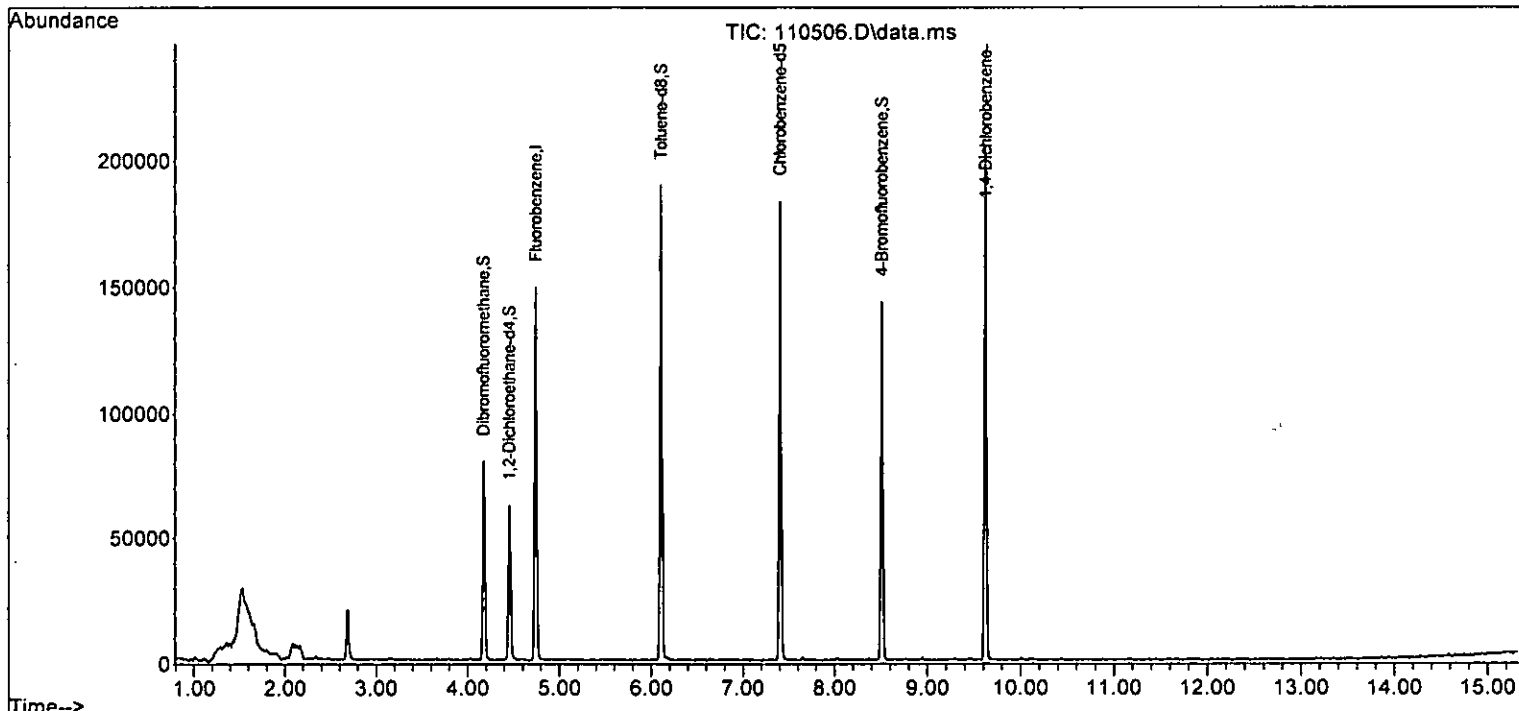
Quant Time: Nov 07 15:17:09 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.00		0	N.D.		
38) cis-1,3-Dichloropropene	0.00		0	N.D.	d	
40] Toluene	6.16	92	225	0.014	ppb	97
41) trans-1,3-Dichloropropene	0.00		0	N.D.		
42] 1,1,2-Trichloroethane	6.53	83	72	0.017	ppb	91
43) 2-Hexanone	0.00		0	N.D.	d	
44) 1,3-Dichloropropane	0.00		0	N.D.		
45] Tetrachloroethene	6.65	164	132	0.017	ppb	91
46) Dibromochloromethane	0.00		0	N.D.		
47] 1,2-Dibromoethane (EDB)	6.98	107	81	0.025	ppb	98
48) Chlorobenzene	0.00		0	N.D.	d	
49] Ethylbenzene	7.54	91	342	0.025	ppb	93
50) 1,1,1,2-Tetrachloroethane	7.52	131	26	N.D.		
51] m,p-Xylene	7.65	106	277	0.051	ppb	90
52] o-Xylene	8.02	106	128	0.024	ppb	84
53) Styrene	0.00		0	N.D.	d	
54) Isopropylbenzene	0.00		0	N.D.	d	
55) Bromoform	0.00		0	N.D.	d	
58) n-Propylbenzene	0.00		0	N.D.	d	
59) Bromobenzene	0.00		0	N.D.	d	
60) 1,3,5-Trimethylbenzene	0.00		0	N.D.	d	
61) 1,1,2,2-Tetrachloroethane	0.00		0	N.D.	d	
62) 1,2,3-Trichloropropane	0.00		0	N.D.	d	
63) 2-Chlorotoluene	0.00		0	N.D.	d	
64) 4-Chlorotoluene	0.00		0	N.D.	d	
65) tert-Butylbenzene	0.00		0	N.D.	d	
66) 1,2,4-Trimethylbenzene	0.00		0	N.D.	d	
67) sec-Butylbenzene	0.00		0	N.D.	d	
68) p-Isopropyltoluene	0.00		0	N.D.	d	
69) 1,3-Dichlorobenzene	0.00		0	N.D.	d	
70) 1,4-Dichlorobenzene	0.00		0	N.D.	d	
71) 1,2-Dichlorobenzene	0.00		0	N.D.	d	
72) 1,2-Dibromo-3-chloropr...	0.00		0	N.D.		
73) 1,2,4-Trichlorobenzene	0.00		0	N.D.	d	
74) Hexachlorobutadiene	0.00		0	N.D.		
75) Naphthalene	0.00		0	N.D.	d	
76) 1,2,3-Trichlorobenzene	0.00		0	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110506.D
 Acq On : 05 Nov 2022 11:34 am
 Operator : VM
 Sample : 0.02 ppb 8260 ICAL 67-177F
 Misc : soil/water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:09 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110506.D
 Acq On : 05 Nov 2022 11:34 am
 Operator : VM
 Sample : 0.02 ppb 8260 ICAL 67-177F
 Misc : soil/water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:09 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2 TMP	Ethanol	-1.000	0.000	0.0	0	0.01
3 S	Dibromofluoromethane	10.000	10.080	-0.8	100	0.00
4 TMP	Dichlorodifluoromethane	-1.000	0.000	0.0	0	-1.12#
5 TMP	Chloromethane	-1.000	0.000	0.0	0	-1.26#
6 TMP	Vinyl chloride	0.020	0.020	0.0	76	0.00
7 TMP	Bromomethane	-1.000	0.000	0.0	0	-1.58#
8 TMP	Chloroethane	-1.000	0.000	0.0	0	-1.65#
9 TMP	Trichlorofluoromethane	-1.000	0.000	0.0	0	-1.83#
10 TMP	2-Propanol	-1.000	0.000	0.0	0	-2.33#
11 TMP	Acetone	-1.000	0.000	0.0	0	-2.33#
12 TMP	1,1-Dichloroethene	0.020	0.023	-15.0	100	0.00
13 TMP	Hexane	-1.000	0.000	0.0	0	-3.16#
14 TMP	Methylene chloride	-1.000	0.000	0.0	0	-2.68#
15 TMP	t-Butyl alcohol (TBA)	-1.000	0.000	0.0	0	-2.82#
16 TMP	Methyl t-butyl ether (MTBE)	0.020	0.020	0.0	98	0.00
17 TMP	trans-1,2-Dichloroethene	0.020	0.023	-15.0	100	0.00
18 TMP	Diisopropyl ether (DIPE)	-1.000	0.000	0.0	0	-3.35#
19 TMP	1,1-Dichloroethane	0.020	0.021	-5.0	100	0.00
20 TMP	Ethyl t-butyl ether (ETBE)	-1.000	0.000	0.0	0	-3.66#
21 TMP	2,2-Dichloropropane	-1.000	0.000	0.0	0	-3.77#
22 TMP	cis-1,2-Dichloroethene	0.020	0.022	-10.0	100	0.00
23 TMP	Chloroform	-1.000	0.000	0.0	0	-4.04#
24 TMP	2-Butanone (MEK)	-1.000	0.000	0.0	0	-3.79#
25 TMP	t-Amyl methyl ether (TAME)	-1.000	0.000	0.0	0	-4.61#
26 TMP	1,2-Dichloroethane (EDC)	-1.000	0.000	0.0	0	-4.53#
27 TMP	1,1,1-Trichloroethane	0.020	0.022	-10.0	100	0.00
28 TMP	1,1-Dichloropropene	-1.000	0.000	0.0	0	-4.33#
29 TMP	Carbon tetrachloride	-1.000	0.000	0.0	0	-4.33#
30 S	1,2-Dichloroethane-d4	10.000	10.031	-0.3	100	0.00
31 TMP	Benzene	0.020	0.022	-10.0	100	0.00
32 TMP	Trichloroethene	0.020	0.022	-10.0	94	0.00
33 TMP	1,2-Dichloropropane	-1.000	0.000	0.0	0	-5.24#
34 TMP	Bromodichloromethane	-1.000	0.000	0.0	0	-5.48#
35 S	Toluene-d8	10.000	9.917	0.8	100	0.00
36 TMP	Dibromomethane	-1.000	0.000	0.0	0	-5.35#
37 TMP	4-Methyl-2-pentanone	-1.000	0.000	0.0	0	-6.03#
38 TMP	cis-1,3-Dichloropropene	-1.000	0.000	0.0	0	-5.88#
39 I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40 TMP	Toluene	0.020	0.014	30.0#	100	0.00
41 TMP	trans-1,3-Dichloropropene	-1.000	0.000	0.0	0	-6.36#
42 TMP	1,1,2-Trichloroethane	0.020	0.017	15.0	107	0.00
43 TMP	2-Hexanone	-1.000	0.000	0.0	0	-6.76#

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110506.D
 Acq On : 05 Nov 2022 11:34 am
 Operator : VM
 Sample : 0.02 ppb 8260 ICAI 67-177F
 Misc : soil/water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:09 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	-1.000	0.000	0.0	0	-6.68#
45 TMP Tetrachloroethene	0.020	0.017	15.0	100	0.00
46 TMP Dibromochloromethane	-1.000	0.000	0.0	0	-6.88#
47 TMP 1,2-Dibromoethane (EDB)	0.020	0.025	-25.0#	100	0.00
48 TMP Chlorobenzene	-1.000	0.000	0.0	0	-7.43#
49 TMP Ethylbenzene	0.020	0.025	-25.0#	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	-1.000	0.008	0.0	0	0.00
51 TMP m,p-Xylene	0.040	0.051	-27.5#	100	0.00
52 TMP o-Xylene	0.020	0.024	-20.0	100	0.00
53 TMP Styrene	-1.000	0.000	0.0	0	-8.03#
54 TMP Isopropylbenzene	-1.000	0.000	0.0	0	-8.37#
55 TMP Bromoform	-1.000	0.000	0.0	0	-8.20#
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	10.000	10.375	-3.8	100	0.00
58 TMP n-Propylbenzene	-1.000	0.000	0.0	0	-8.77#
59 TMP Bromobenzene	-1.000	0.000	0.0	0	-8.65#
60 TMP 1,3,5-Trimethylbenzene	-1.000	0.000	0.0	0	-8.94#
61 TMP 1,1,2,2-Tetrachloroethane	-1.000	0.000	0.0	0	-8.65#
62 TMP 1,2,3-Trichloropropane	-1.000	0.000	0.0	0	-8.70#
63 TMP 2-Chlorotoluene	-1.000	0.000	0.0	0	-8.84#
64 TMP 4-Chlorotoluene	-1.000	0.000	0.0	0	-8.95#
65 TMP tert-Butylbenzene	-1.000	0.000	0.0	0	-9.25#
66 TMP 1,2,4-Trimethylbenzene	-1.000	0.000	0.0	0	-9.30#
67 TMP sec-Butylbenzene	-1.000	0.000	0.0	0	-9.46#
68 TMP p-Isopropyltoluene	-1.000	0.000	0.0	0	-9.61#
69 TMP 1,3-Dichlorobenzene	-1.000	0.000	0.0	0	-9.56#
70 TMP 1,4-Dichlorobenzene	-1.000	0.000	0.0	0	-9.64#
71 TMP 1,2-Dichlorobenzene	-1.000	0.000	0.0	0	-10.01#
72 TMP 1,2-Dibromo-3-chloropropane	-1.000	0.000	0.0	0	-10.78#
73 TMP 1,2,4-Trichlorobenzene	-1.000	0.000	0.0	0	-11.59#
74 TMP Hexachlorobutadiene	-1.000	0.000	0.0	0	-11.77#
75 TMP Naphthalene	-1.000	0.000	0.0	0	-11.84#
76 TMP 1,2,3-Trichlorobenzene	-1.000	0.000	0.0	0	-12.08#

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110506.D
 Acq On : 05 Nov 2022 11:34 am
 Operator : VM
 Sample : 0.02 ppb 8260 ICAL 67-177F
 Misc : soil/water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:09 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2 TMP	Ethanol	0.000	0.000#	0.0	0#	0.01
3 S	Dibromofluoromethane	0.321	0.323	-0.6	100	0.00
4 TMP	Dichlorodifluoromethane	0.800	0.000#	100.0#	0#	-1.12#
5 TMP	Chloromethane	0.488	0.000#	100.0#	0#	-1.26#
6 TMP	Vinyl chloride	0.510	0.519	-1.8	75	0.00
7 TMP	Bromomethane	0.432	0.000#	100.0#	0#	-1.58#
8 TMP	Chloroethane	0.229	0.000#	100.0#	0#	-1.65#
9 TMP	Trichlorofluoromethane	1.123	0.000#	100.0#	0#	-1.83#
10 TMP	2-Propanol	0.000	0.000	0.0	0#	-2.33#
11 TMP	Acetone	0.029	0.000#	100.0#	0#	-2.33#
12 TMP	1,1-Dichloroethene	0.285	0.334	-17.2	100	0.00
13 TMP	Hexane	0.323	0.000#	100.0#	0#	-3.16#
14 TMP	Methylene chloride	0.289	0.000#	100.0#	0#	-2.68#
15 TMP	t-Butyl alcohol (TBA)	0.024	0.000#	100.0#	0#	-2.82#
16 TMP	Methyl t-butyl ether (MTBE)	0.666	0.664	0.3	98	0.00
17 TMP	trans-1,2-Dichloroethene	0.318	0.366	-15.1	100	0.00
18 TMP	Diisopropyl ether (DIPE)	0.698	0.000#	100.0#	0#	-3.35#
19 TMP	1,1-Dichloroethane	0.463	0.492	-6.3	100	0.00
20 TMP	Ethyl t-butyl ether (ETBE)	0.258	0.000#	100.0#	0#	-3.66#
21 TMP	2,2-Dichloropropane	0.258	0.000#	100.0#	0#	-3.77#
22 TMP	cis-1,2-Dichloroethene	0.333	0.375	-12.6	100	0.00
23 TMP	Chloroform	0.539	0.000#	100.0#	0#	-4.04#
24 TMP	2-Butanone (MEK)	0.132	0.000#	100.0#	0#	-3.79#
25 TMP	t-Amyl methyl ether (TAME)	0.540	0.000#	100.0#	0#	-4.61#
26 TMP	1,2-Dichloroethane (EDC)	0.465	0.000#	100.0#	0#	-4.53#
27 TMP	1,1,1-Trichloroethane	0.482	0.528	-9.5	100	0.00
28 TMP	1,1-Dichloropropene	0.370	0.000#	100.0#	0#	-4.33#
29 TMP	Carbon tetrachloride	0.485	0.000#	100.0#	0#	-4.33#
30 S	1,2-Dichloroethane-d4	0.062	0.062	0.0	100	0.00
31 TMP	Benzene	1.118	1.242	-11.1	100	0.00
32 TMP	Trichloroethene	0.367	0.406	-10.6	94	0.00
33 TMP	1,2-Dichloropropane	0.241	0.000#	100.0#	0#	-5.24#
34 TMP	Bromodichloromethane	0.387	0.000#	100.0#	0#	-5.48#
35 S	Toluene-d8	0.954	0.946	0.8	100	0.00
36 TMP	Dibromomethane	0.219	0.000#	100.0#	0#	-5.35#
37 TMP	4-Methyl-2-pentanone	0.042	0.000#	100.0#	0#	-6.03#
38 TMP	cis-1,3-Dichloropropene	0.360	0.000#	100.0#	0#	-5.88#
39 I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40 TMP	Toluene	0.907	1.258	-38.7#	100	0.00
41 TMP	trans-1,3-Dichloropropene	0.366	0.000#	100.0#	0#	-6.36#
42 TMP	1,1,2-Trichloroethane	0.285	0.402	-41.1#	107	0.00
43 TMP	2-Hexanone	0.190	0.000#	100.0#	0#	-6.76#

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110506.D
 Acq On : 05 Nov 2022 11:34 am
 Operator : VM
 Sample : 0.02 ppb 8260 ICAL 67-177F
 Misc : soil/water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:09 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.457	0.000#	100.0#	0#	-6.68#
45 TMP Tetrachloroethene	0.460	0.738	-60.4#	100	0.00
46 TMP Dibromochloromethane	0.451	0.000#	100.0#	0#	-6.88#
47 TMP 1,2-Dibromoethane (EDB)	0.360	0.453	-25.8#	100	0.00
48 TMP Chlorobenzene	0.993	0.000#	100.0#	0#	-7.43#
49 TMP Ethylbenzene	1.557	1.912	-22.8#	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.387	0.000#	100.0#	0#	0.00
51 TMP m,p-Xylene	0.612	0.774	-26.5#	100	0.00
52 TMP o-Xylene	0.591	0.715	-21.0#	100	0.00
53 TMP Styrene	0.887	0.000#	100.0#	0#	-8.03#
54 TMP Isopropylbenzene	1.435	0.000#	100.0#	0#	-8.37#
55 TMP Bromoform	0.299	0.000#	100.0#	0#	-8.20#
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	0.689	0.715	-3.8	100	0.00
58 TMP n-Propylbenzene	2.700	0.000#	100.0#	0#	-8.77#
59 TMP Bromobenzene	0.837	0.000#	100.0#	0#	-8.65#
60 TMP 1,3,5-Trimethylbenzene	1.968	0.000#	100.0#	0#	-8.94#
61 TMP 1,1,2,2-Tetrachloroethane	0.626	0.000#	100.0#	0#	-8.65#
62 TMP 1,2,3-Trichloropropane	0.486	0.000#	100.0#	0#	-8.70#
63 TMP 2-Chlorotoluene	1.617	0.000#	100.0#	0#	-8.84#
64 TMP 4-Chlorotoluene	1.912	0.000#	100.0#	0#	-8.95#
65 TMP tert-Butylbenzene	1.952	0.000#	100.0#	0#	-9.25#
66 TMP 1,2,4-Trimethylbenzene	1.996	0.000#	100.0#	0#	-9.30#
67 TMP sec-Butylbenzene	2.624	0.000#	100.0#	0#	-9.46#
68 TMP p-Isopropyltoluene	2.387	0.000#	100.0#	0#	-9.61#
69 TMP 1,3-Dichlorobenzene	1.530	0.000#	100.0#	0#	-9.56#
70 TMP 1,4-Dichlorobenzene	1.564	0.000#	100.0#	0#	-9.64#
71 TMP 1,2-Dichlorobenzene	1.455	0.000#	100.0#	0#	-10.01#
72 TMP 1,2-Dibromo-3-chloropropane	0.108	0.000#	100.0#	0#	-10.78#
73 TMP 1,2,4-Trichlorobenzene	0.971	0.000#	100.0#	0#	-11.59#
74 TMP Hexachlorobutadiene	0.600	0.000#	100.0#	0#	-11.77#
75 TMP Naphthalene	1.833	0.000#	100.0#	0#	-11.84#
76 TMP 1,2,3-Trichlorobenzene	0.846	0.000#	100.0#	0#	-12.08#

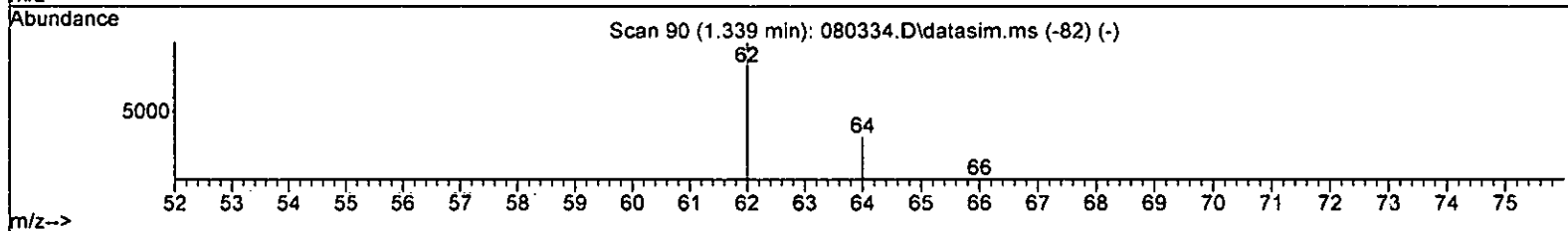
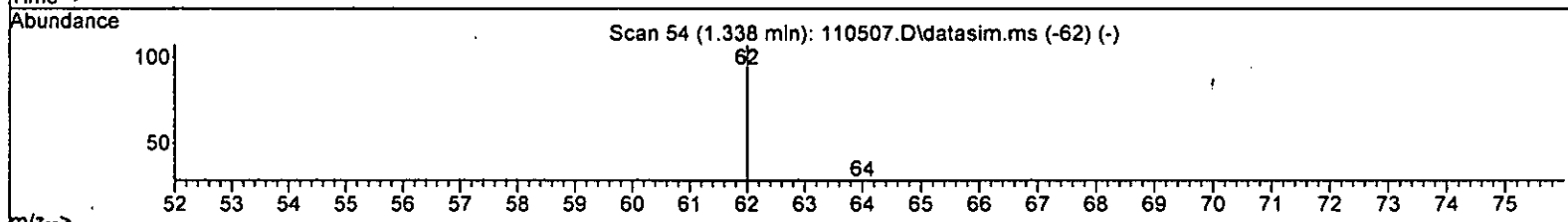
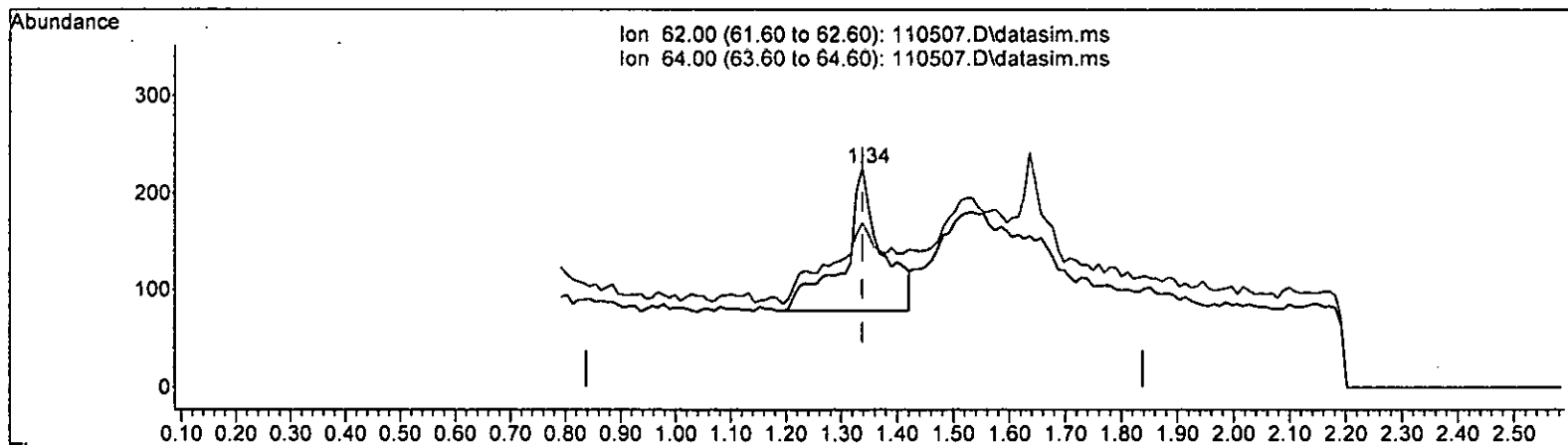
(#) = Out of Range

SPCC's out = 52 CCC's out = 0

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110507.D
 Acq On : 05 Nov 2022 11:57 am
 Operator : VM
 Sample : 0.04 ppb 8260 ICAL 67-177G
 Misc : soil/water
 ALS Vial : 3 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:11 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110507.D\data.ms

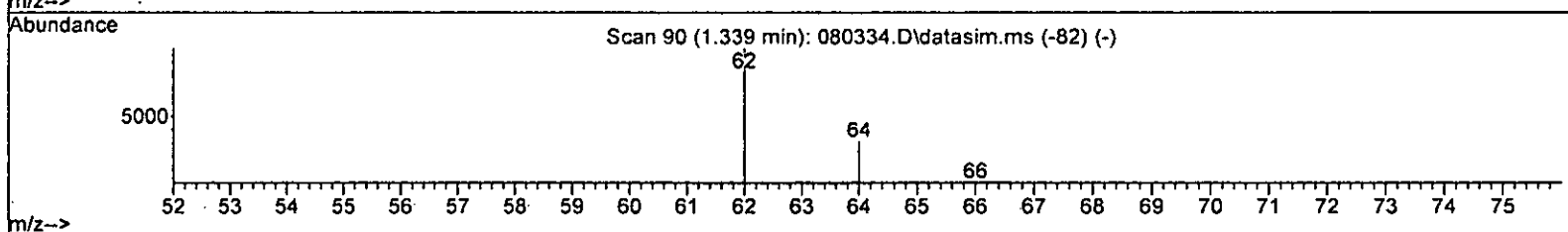
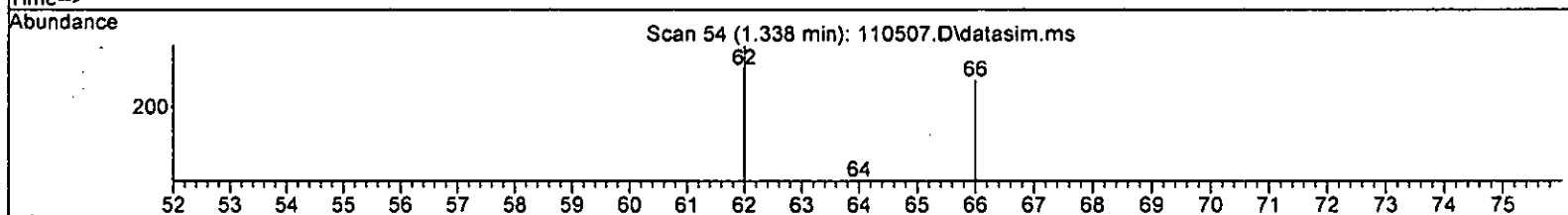
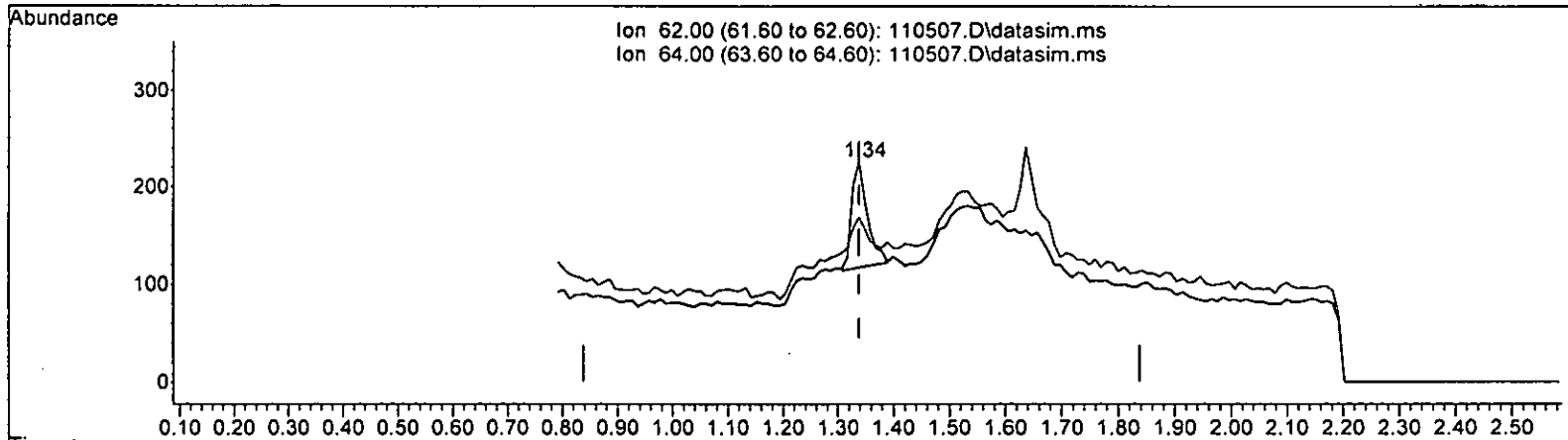
(6) Vinyl chloride (TMP)
 1.338min (-0.000) 0.121 ppb
 response 688

Ion	Exp%	Act%
62.00	100.00	100.00
64.00	34.40	56.76
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110507.D
 Acq On : 05 Nov 2022 11:57 am
 Operator : VM
 Sample : 0.04 ppb 8260 ICAL 67-177G
 Misc : soil/water
 ALS Vial : 3 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:11 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110507.D\data.ms

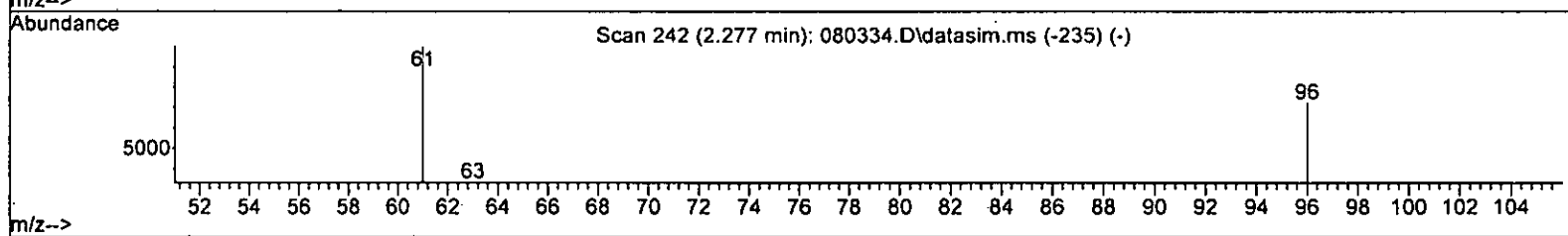
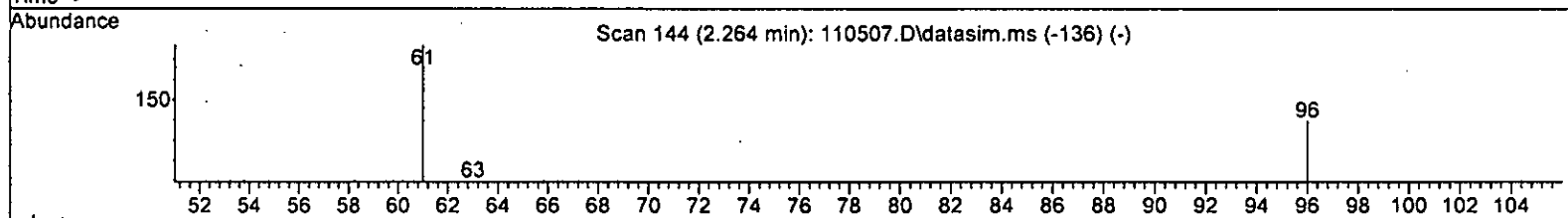
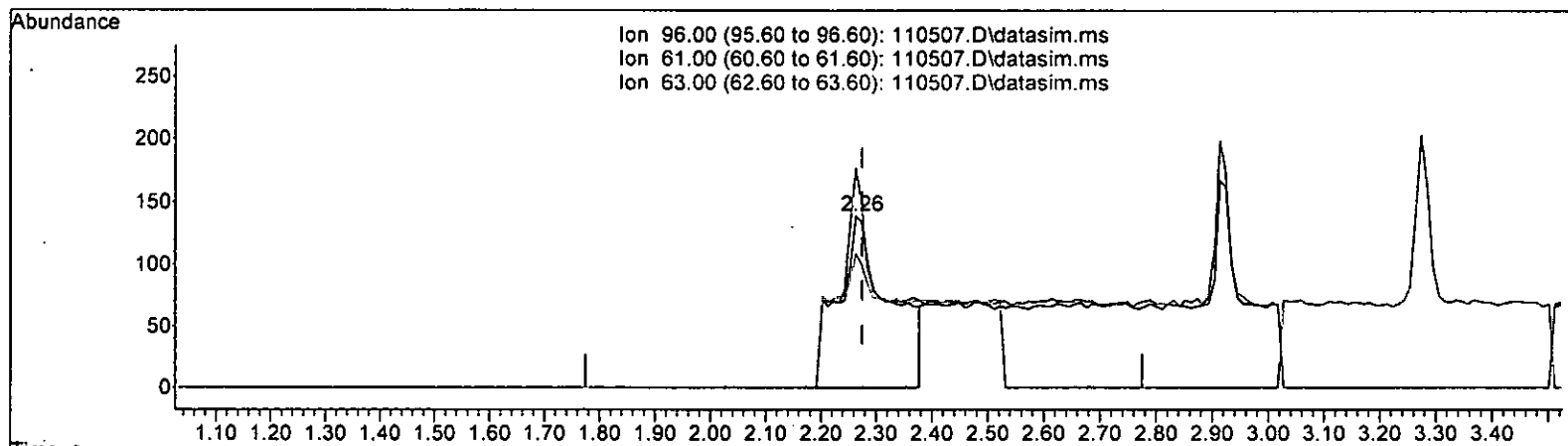
(6) Vinyl chloride (TMP)
 1.338min (-0.000) 0.038 ppb m
 response 214

Ion	Exp%	Act%
62.00	100.00	100.00
64.00	34.40	74.78#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110507.D
 Acq On : 05 Nov 2022 11:57 am
 Operator : VM
 Sample : 0.04 ppb 8260 ICAL 67-177G
 Misc : soil/water
 ALS Vial : 3 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:11 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



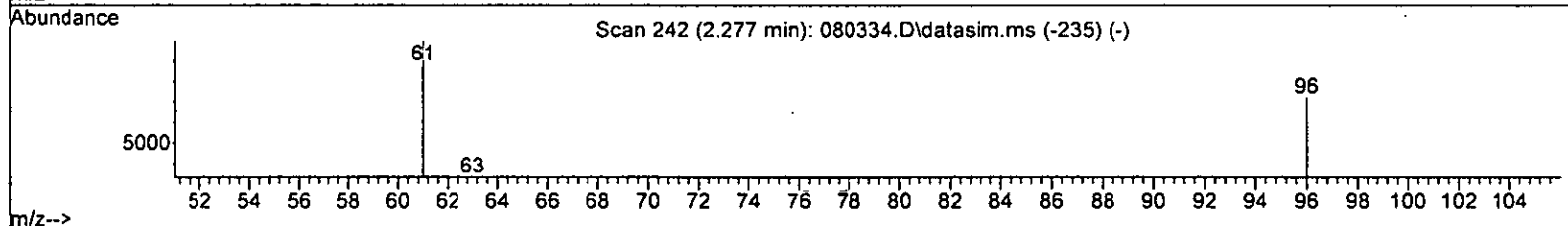
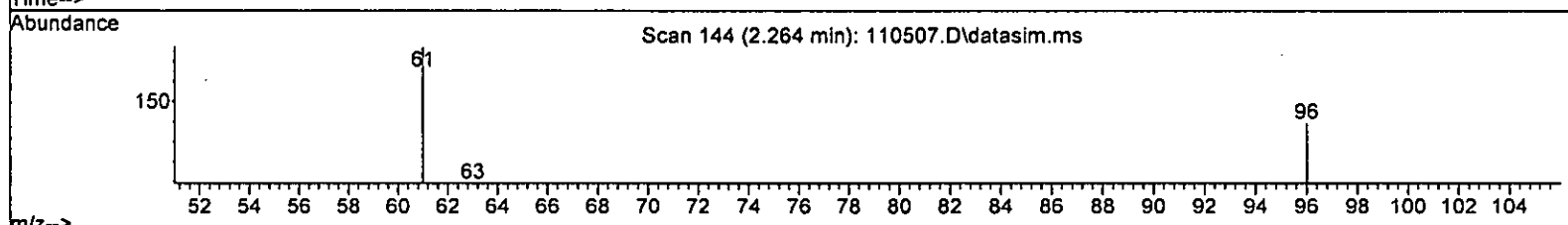
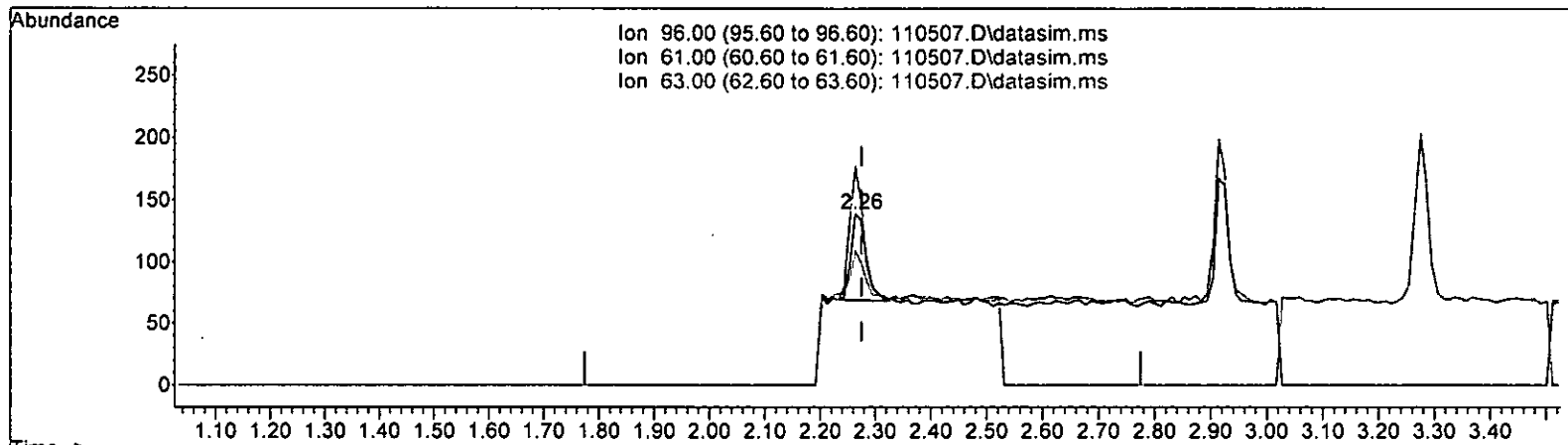
TIC: 110507.D\data.ms

(12)	1,1-Dichloroethene (TMP)
2.264min (-0.011)	0.280 ppb
response	892
Ion	Exp% Act%
96.00	100.00 100.00
61.00	120.90 127.34
63.00	43.90 78.42#
0.00	0.00 0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110507.D
 Acq On : 05 Nov 2022 11:57 am
 Operator : VM
 Sample : 0.04 ppb 8260 ICAL 67-177G
 Misc : soil/water
 ALS Vial : 3 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:11 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110507.D\data.ms

(12) 1,1-Dichloroethene (TMP)

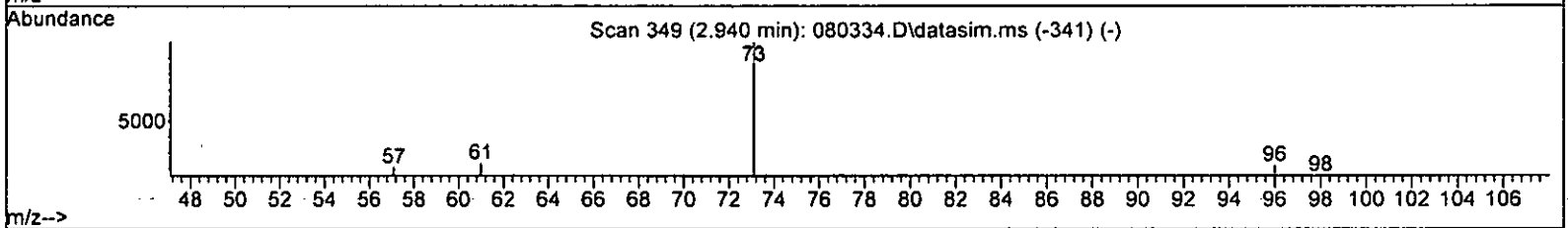
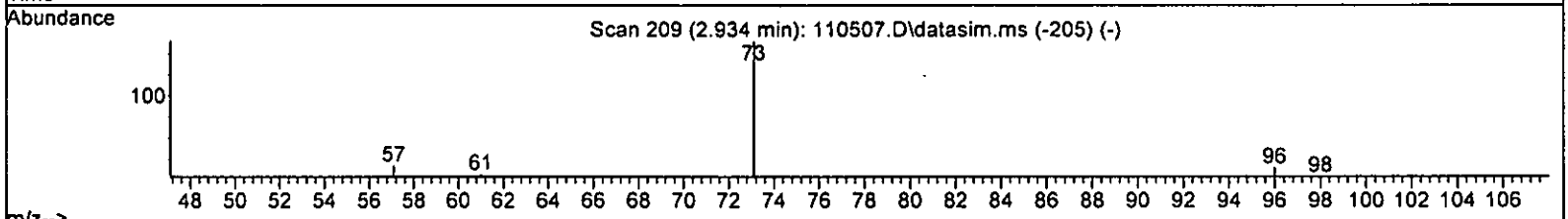
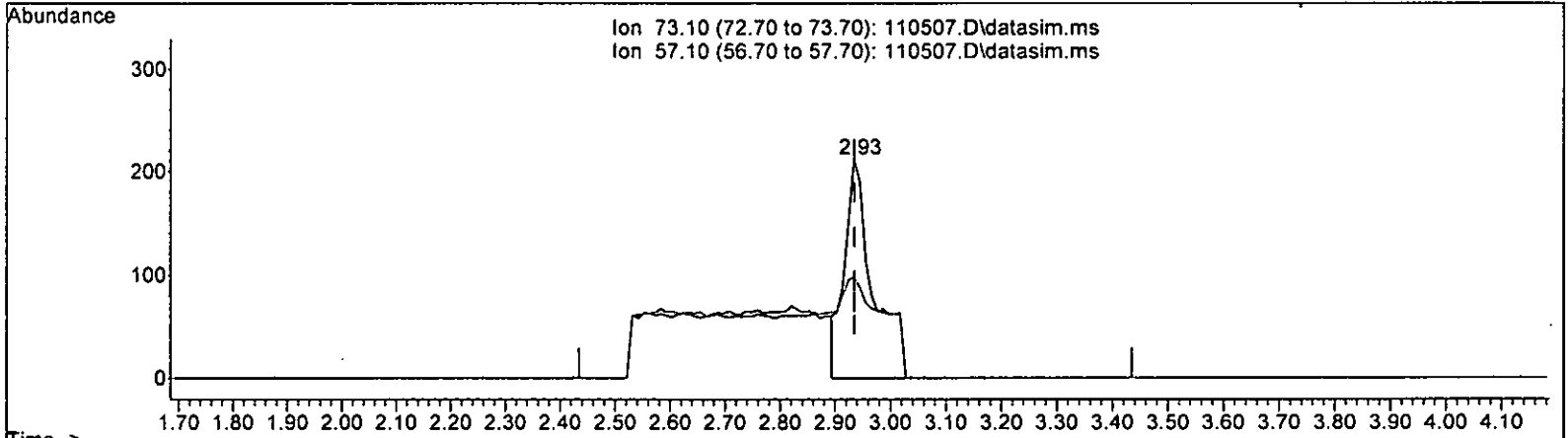
2.264min (-0.011) 0.042 ppb m

response	133
Ion	Exp% Act%
96.00	100.00 100.00
61.00	120.90 127.34
63.00	43.90 78.42#
0.00	0.00 0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110507.D
 Acq On : 05 Nov 2022 11:57 am
 Operator : VM
 Sample : 0.04 ppb 8260 ICAL 67-177G
 Misc : soil/water
 ALS Vial : 3 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:11 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110507.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

2.934min (-0.001) 0.101 ppb

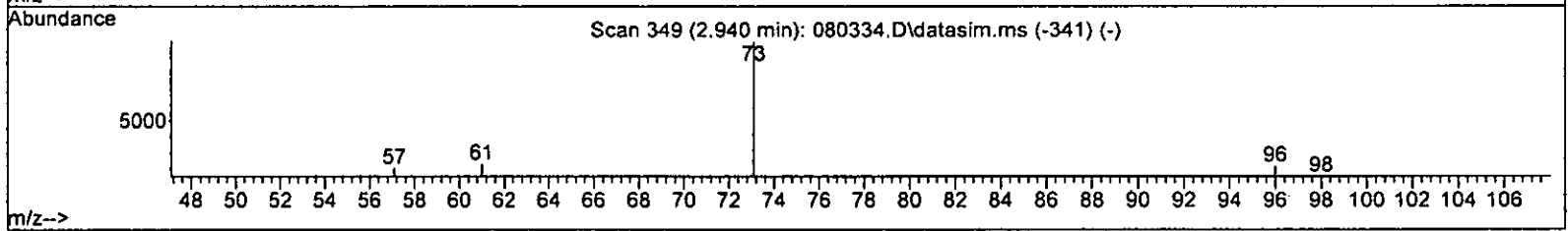
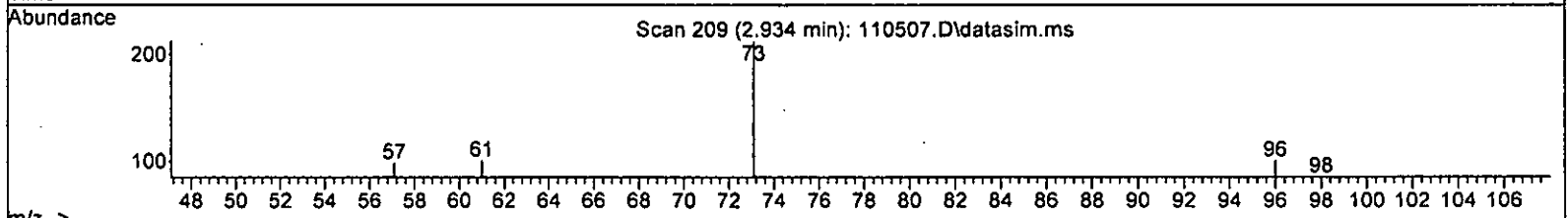
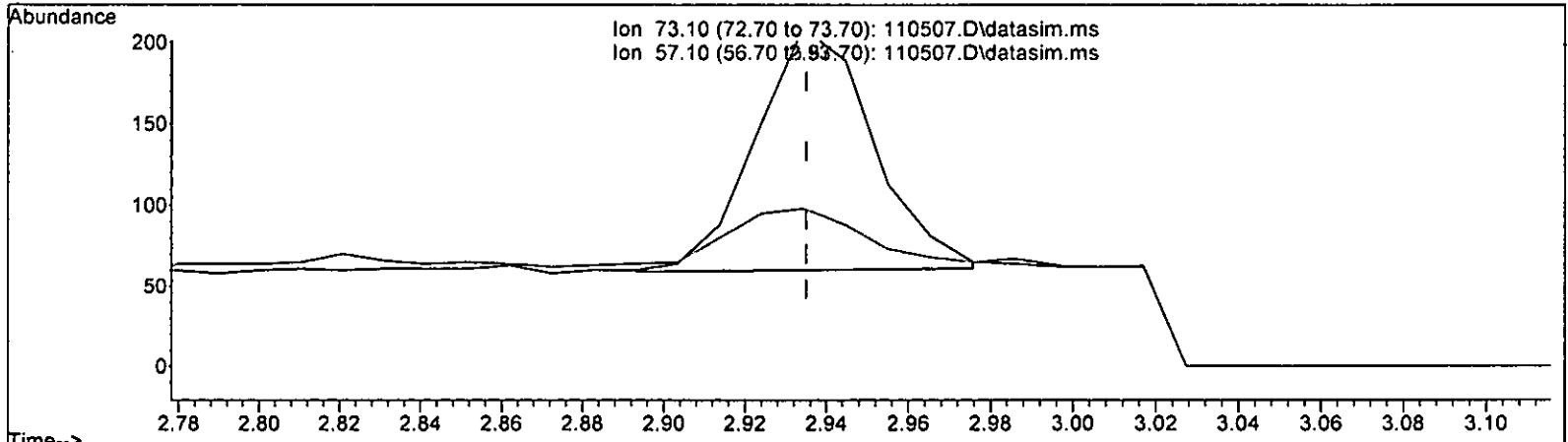
response 751

Ion	Exp%	Act%
73.10	100.00	100.00
57.10	19.40	46.23
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110507.D
 Acq On : 05 Nov 2022 11:57 am
 Operator : VM
 Sample : 0.04 ppb 8260 ICAL 67-177G
 Misc : soil/water
 ALS Vial : 3 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:11 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110507.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

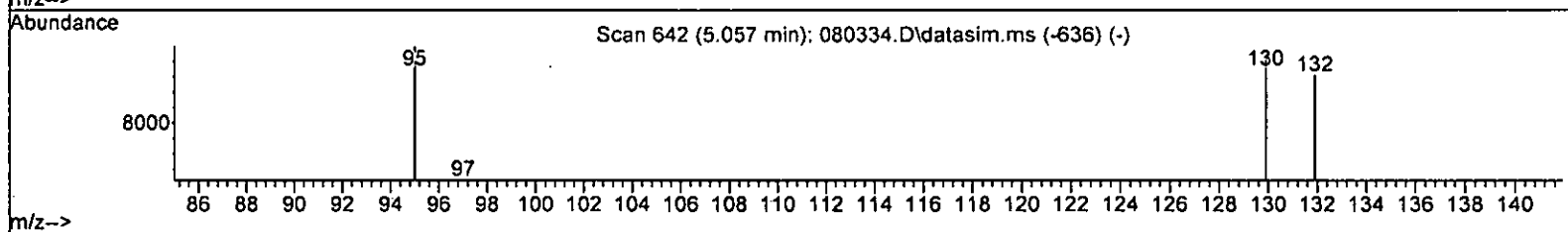
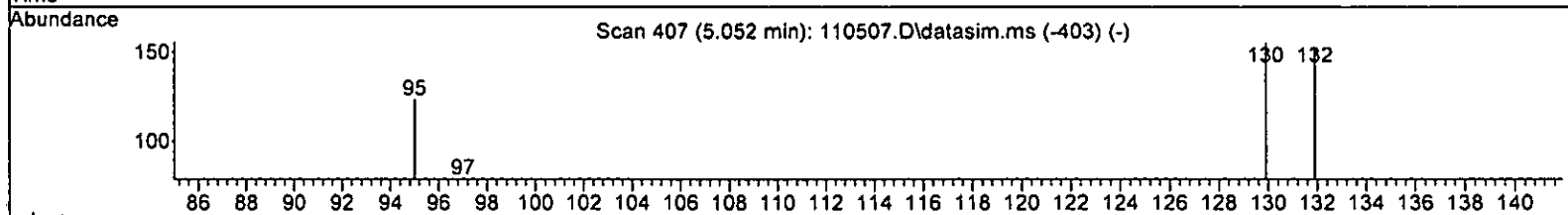
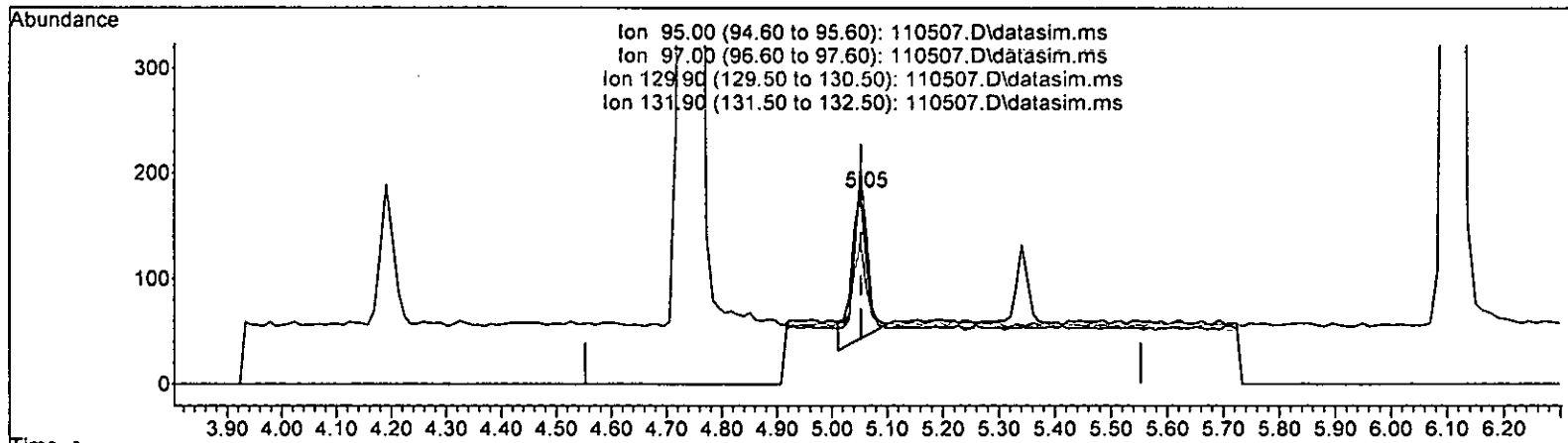
2.934min (-0.001) 0.040 ppb m

response	299
Ion	Exp% Act%
73.10	100.00 100.00
57.10	19.40 46.23
0.00	0.00 0.00
0.00	0.00 0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110507.D
 Acq On : 05 Nov 2022 11:57 am
 Operator : VM
 Sample : 0.04 ppb 8260 ICAL 67-177G
 Misc : soil/water
 ALS Vial : 3 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:11 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110507.D\data.ms

(32) Trichloroethene (TPE)

5.052min (-0.001) 0.065 ppb

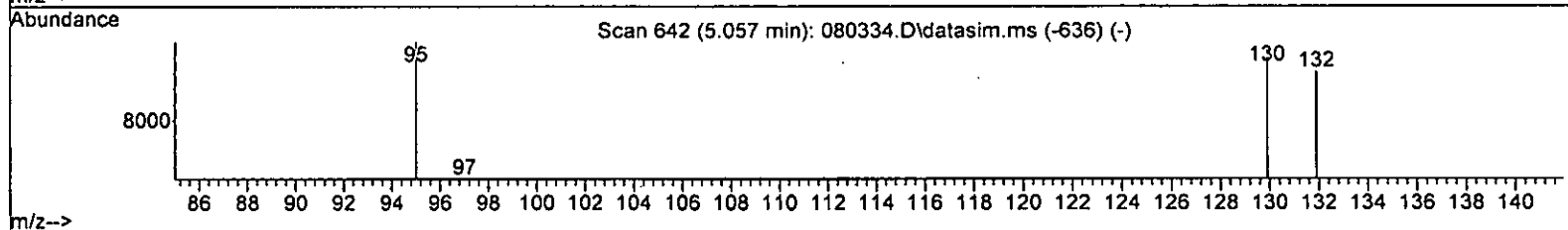
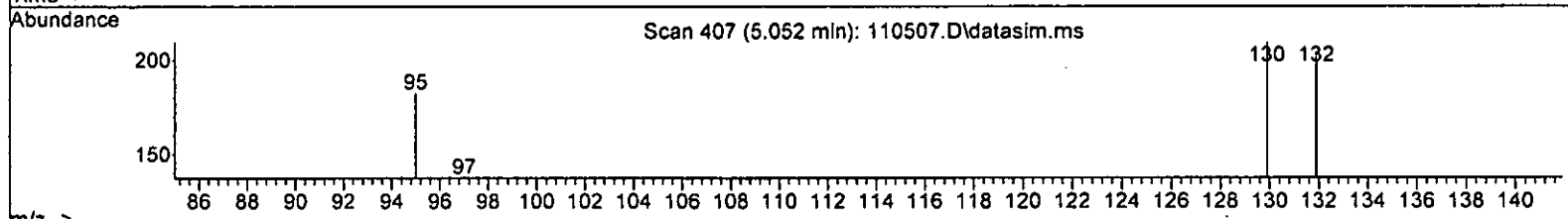
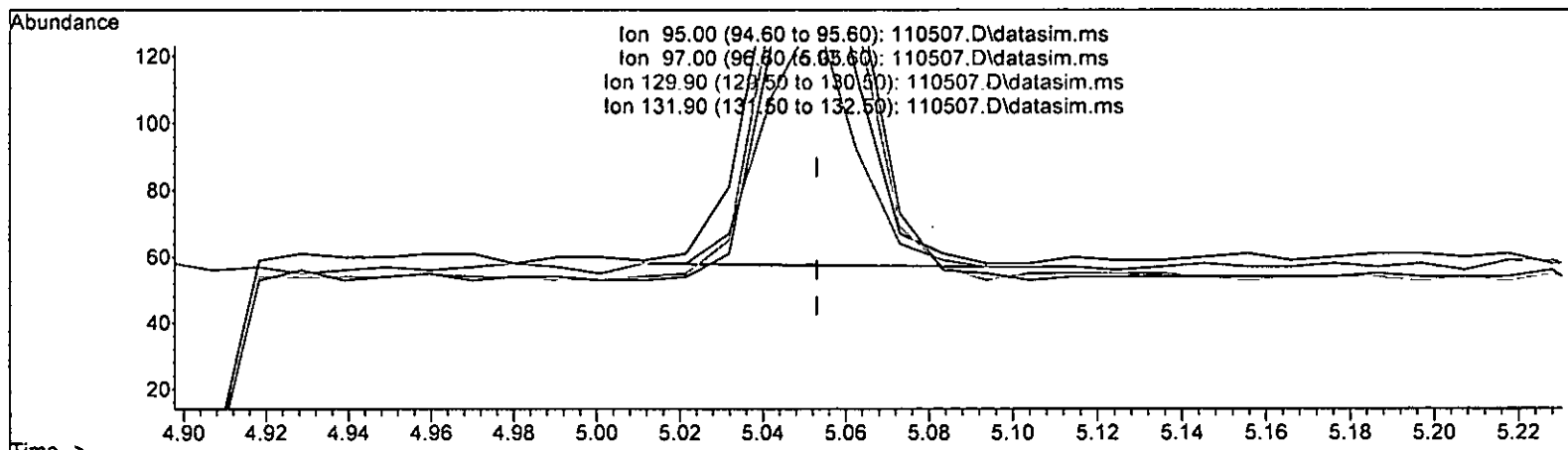
response 266

Ion	Exp%	Act%
95.00	100.00	100.00
97.00	64.60	64.52
129.90	103.40	125.00
131.90	95.80	121.77

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110507.D
 Acq On : 05 Nov 2022 11:57 am
 Operator : VM
 Sample : 0.04 ppb 8260 ICAL 67-177G
 Misc : soil/water
 ALS Vial : 3 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:11 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110507.D\data.ms

(32) Trichloroethene (TME)

5.052min (-0.001) 0.048 ppb m

response 196

Ion	Exp%	Act%
95.00	100.00	100.00
97.00	64.60	75.27
129.90	103.40	114.84
131.90	95.80	112.09

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110507.D
 Acq On : 05 Nov 2022 11:57 am
 Operator : VM
 Sample : 0.04 ppb 8260 ICAL 67-177G
 Misc : soil/water
 ALS Vial : 3 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:11 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	4.75	96	111750	10.000	ppb	0.00	
39) Chlorobenzene-d5	7.40	117	92506	10.000	ppb	0.00	
56) 1,4-Dichlorobenzene-d4	9.62	152	50709	10.000	ppb	0.00	
System Monitoring Compounds							
3) Dibromofluoromethane	4.17	113	33909	9.462	ppb	0.00	
Spiked Amount	10.000	Range	50 - 150	Recovery	=	94.60%	
30) 1,2-Dichloroethane-d4	4.45	102	7214	10.387	ppb	0.00	
Spiked Amount	10.000	Range	84 - 120	Recovery	=	103.90%	
35) Toluene-d8	6.10	98	105914	9.938	ppb	0.00	
Spiked Amount	10.000	Range	73 - 128	Recovery	=	99.40%	
57) 4-Bromofluorobenzene	8.51	95	37140	10.629	ppb	0.00	
Spiked Amount	10.000	Range	57 - 146	Recovery	=	106.30%	
Target Compounds							
							Qvalue
2) Ethanol	2.33	45	342	No Calib			
4) Dichlorodifluoromethane	0.00		0	N.D.	d		
5) Chloromethane	0.00		0	N.D.	d		
6] Vinyl chloride	1.34	62	214m	0.038	ppb		
7) Bromomethane	0.00		0	N.D.	d		
8) Chloroethane	0.00		0	N.D.	d		
9) Trichlorofluoromethane	0.00		0	N.D.	d		
10) 2-Propanol	0.00		0	N.D.	d		
11) Acetone	0.00		0	N.D.	d		
12] 1,1-Dichloroethene	2.26	96	133m	0.042	ppb		
13) Hexane	0.00		0	N.D.	d		
14) Methylene chloride	0.00		0	N.D.	d		
15) t-Butyl alcohol (TBA)	0.00		0	N.D.	d		
16] Methyl t-butyl ether (...)	2.93	73	299m	0.040	ppb		
17] trans-1,2-Dichloroethene	2.91	96	172	0.048	ppb		82
18) Diisopropyl ether (DIPE)	0.00		0	N.D.	d		
19] 1,1-Dichloroethane	3.27	63	221	0.043	ppb		94
20) Ethyl t-butyl ether (E...)	0.00		0	N.D.	d		
21) 2,2-Dichloropropane	0.00		0	N.D.	d		
22] cis-1,2-Dichloroethene	3.77	96	165	0.044	ppb		96
23) Chloroform	0.00		0	N.D.	d		
24) 2-Butanone (MEK)	0.00		0	N.D.	d		
25) t-Amyl methyl ether (T...)	0.00		0	N.D.	d		
26] 1,2-Dichloroethane (EDC)	4.52	62	408	0.051	ppb		94
27] 1,1,1-Trichloroethane	4.19	97	230	0.043	ppb		94
28) 1,1-Dichloropropene	0.00		0	N.D.	d		
29) Carbon tetrachloride	0.00		0	N.D.	d		
31] Benzene	4.50	78	637	0.051	ppb		99
32] Trichloroethene	5.05	95	196m	0.048	ppb		
33) 1,2-Dichloropropane	0.00		0	N.D.	d		
34) Bromodichloromethane	0.00		0	N.D.	d		
36) Dibromomethane	0.00		0	N.D.	d		

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110507.D
 Acq On : 05 Nov 2022 11:57 am
 Operator : VM
 Sample : 0.04 ppb 8260 ICAL 67-177G
 Misc : soil/water
 ALS Vial : 3 Sample Multiplier: 1
 InstName : GCMS13

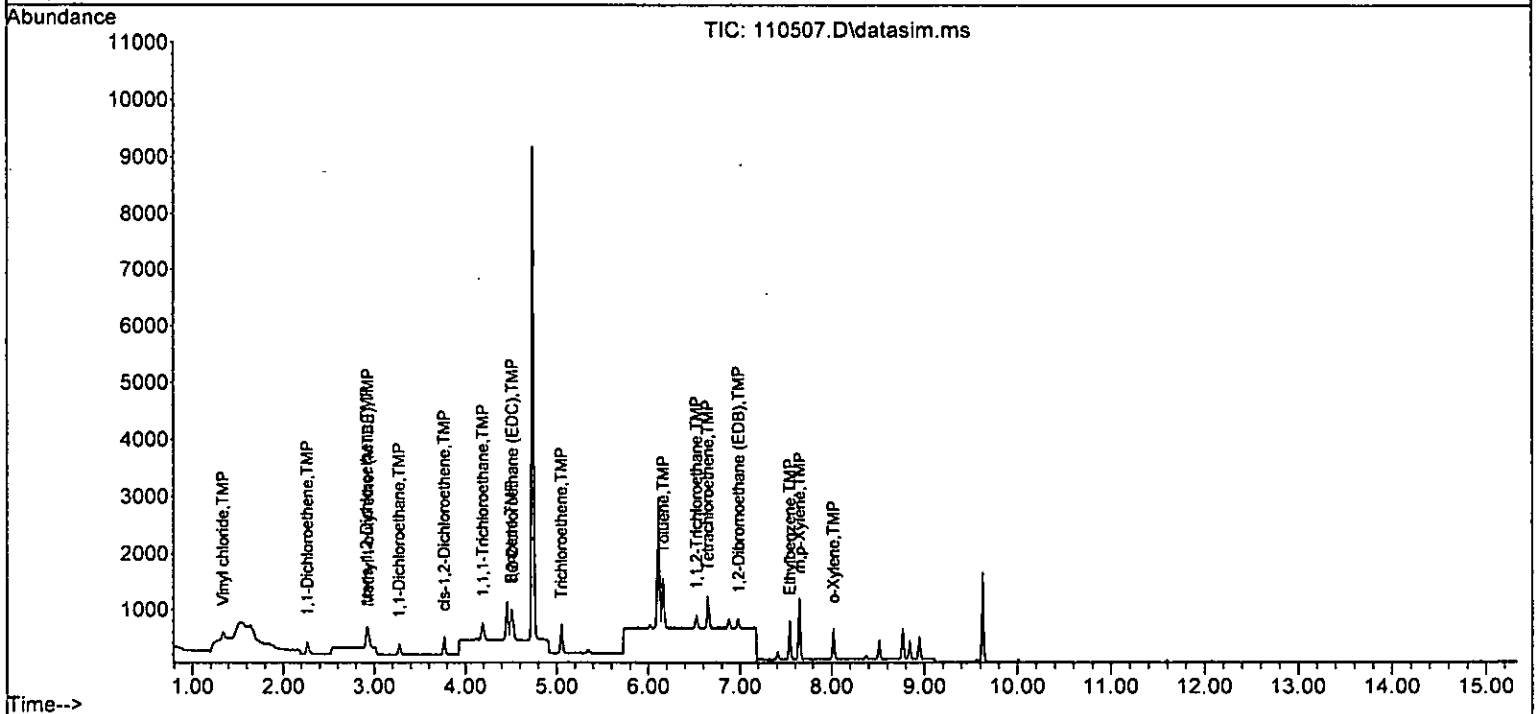
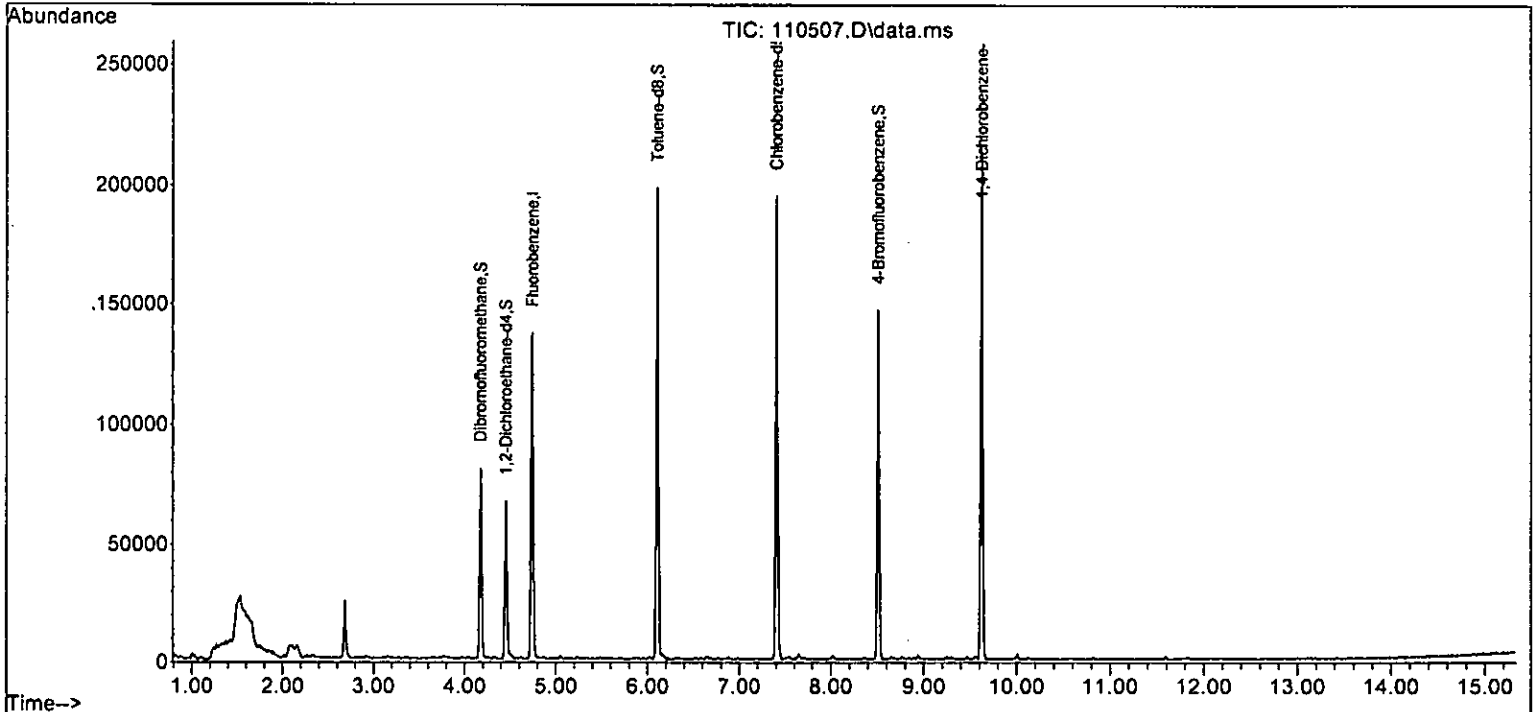
Quant Time: Nov 07 15:17:11 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.00		0	N.D.		
38) cis-1,3-Dichloropropene	0.00		0	N.D.	d	
40] Toluene	6.16	92	465	0.046	ppb	100
41) trans-1,3-Dichloropropene	0.00		0	N.D.	d	
42] 1,1,2-Trichloroethane	6.53	83	149	0.048	ppb	98
43) 2-Hexanone	0.00		0	N.D.	d	
44) 1,3-Dichloropropane	0.00		0	N.D.	d	
45] Tetrachloroethene	6.65	164	218	0.039	ppb	95
46) Dibromochloromethane	0.00		0	N.D.	d	
47] 1,2-Dibromoethane (EDB)	6.98	107	163	0.049	ppb	97
48) Chlorobenzene	0.00		0	N.D.	d	
49] Ethylbenzene	7.54	91	681	0.047	ppb	93
50) 1,1,1,2-Tetrachloroethane	0.00		0	N.D.	d	
51] m,p-Xylene	7.65	106	536	0.095	ppb	92
52] o-Xylene	8.02	106	249	0.046	ppb	86
53) Styrene	0.00		0	N.D.	d	
54) Isopropylbenzene	0.00		0	N.D.	d	
55) Bromoform	0.00		0	N.D.	d	
58) n-Propylbenzene	0.00		0	N.D.	d	
59) Bromobenzene	0.00		0	N.D.	d	
60) 1,3,5-Trimethylbenzene	0.00		0	N.D.	d	
61) 1,1,2,2-Tetrachloroethane	0.00		0	N.D.	d	
62) 1,2,3-Trichloropropane	0.00		0	N.D.	d	
63) 2-Chlorotoluene	0.00		0	N.D.	d	
64) 4-Chlorotoluene	0.00		0	N.D.	d	
65) tert-Butylbenzene	0.00		0	N.D.	d	
66) 1,2,4-Trimethylbenzene	0.00		0	N.D.	d	
67) sec-Butylbenzene	0.00		0	N.D.	d	
68) p-Isopropyltoluene	0.00		0	N.D.	d	
69) 1,3-Dichlorobenzene	0.00		0	N.D.	d	
70) 1,4-Dichlorobenzene	0.00		0	N.D.	d	
71) 1,2-Dichlorobenzene	0.00		0	N.D.	d	
72) 1,2-Dibromo-3-chloropr...	0.00		0	N.D.		
73) 1,2,4-Trichlorobenzene	0.00		0	N.D.	d	
74) Hexachlorobutadiene	0.00		0	N.D.	d	
75) Naphthalene	0.00		0	N.D.	d	
76) 1,2,3-Trichlorobenzene	0.00		0	N.D.	d	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110507.D
 Acq On : 05 Nov 2022 11:57 am
 Operator : VM
 Sample : 0.04 ppb 8260 ICAL 67-177G
 Misc : soil/water
 ALS Vial : 3 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:11 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110507.D
 Acq On : 05 Nov 2022 11:57 am
 Operator : VM
 Sample : 0.04 ppb 8260 ICAL 67-177G
 Misc : soil/water
 ALS Vial : 3 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:11 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 Qlast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2 TMP	Ethanol	-1.000	0.000	0.0	0	0.00
3 S	Dibromofluoromethane	10.000	9.462	5.4	100	0.00
4 TMP	Dichlorodifluoromethane	-1.000	0.000	0.0	0	-1.12#
5 TMP	Chloromethane	-1.000	0.000	0.0	0	-1.26#
6 TMP	Vinyl chloride	0.040	0.038	5.0	83	0.00
7 TMP	Bromomethane	-1.000	0.000	0.0	0	-1.58#
8 TMP	Chloroethane	-1.000	0.000	0.0	0	-1.65#
9 TMP	Trichlorofluoromethane	-1.000	0.000	0.0	0	-1.83#
10 TMP	2-Propanol	-1.000	0.000	0.0	0	-2.33#
11 TMP	Acetone	-1.000	0.000	0.0	0	-2.33#
12 TMP	1,1-Dichloroethene	0.040	0.042	-5.0	88	-0.01
13 TMP	Hexane	-1.000	0.000	0.0	0	-3.16#
14 TMP	Methylene chloride	-1.000	0.000	0.0	0	-2.68#
15 TMP	t-Butyl alcohol (TBA)	-1.000	0.000	0.0	0	-2.82#
16 TMP	Methyl t-butyl ether (MTBE)	0.040	0.040	0.0	97	0.00
17 TMP	trans-1,2-Dichloroethene	0.040	0.048	-20.0	100	-0.01
18 TMP	Diisopropyl ether (DIPE)	-1.000	0.000	0.0	0	-3.35#
19 TMP	1,1-Dichloroethane	0.040	0.043	-7.5	100	0.00
20 TMP	Ethyl t-butyl ether (ETBE)	-1.000	0.000	0.0	0	-3.66#
21 TMP	2,2-Dichloropropane	-1.000	0.000	0.0	0	-3.77#
22 TMP	cis-1,2-Dichloroethene	0.040	0.044	-10.0	100	0.00
23 TMP	Chloroform	-1.000	0.000	0.0	0	-4.04#
24 TMP	2-Butanone (MEK)	-1.000	0.000	0.0	0	-3.79#
25 TMP	t-Amyl methyl ether (TAME)	-1.000	0.000	0.0	0	-4.61#
26 TMP	1,2-Dichloroethane (EDC)	0.040	0.051	-27.5#	107	-0.01
27 TMP	1,1,1-Trichloroethane	0.040	0.043	-7.5	100	0.00
28 TMP	1,1-Dichloropropene	-1.000	0.000	0.0	0	-4.33#
29 TMP	Carbon tetrachloride	-1.000	0.000	0.0	0	-4.33#
30 S	1,2-Dichloroethane-d4	10.000	10.387	-3.9	100	0.00
31 TMP	Benzene	0.040	0.051	-27.5#	100	0.00
32 TMP	Trichloroethene	0.040	0.048	-20.0	102	0.00
33 TMP	1,2-Dichloropropane	-1.000	0.000	0.0	0	-5.24#
34 TMP	Bromodichloromethane	-1.000	0.000	0.0	0	-5.48#
35 S	Toluene-d8	10.000	9.938	0.6	100	0.00
36 TMP	Dibromomethane	-1.000	0.000	0.0	0	-5.35#
37 TMP	4-Methyl-2-pentanone	-1.000	0.000	0.0	0	-6.03#
38 TMP	cis-1,3-Dichloropropene	-1.000	0.000	0.0	0	-5.88#
39 I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40 TMP	Toluene	0.040	0.046	-15.0	100	0.00
41 TMP	trans-1,3-Dichloropropene	-1.000	0.000	0.0	0	-6.36#
42 TMP	1,1,2-Trichloroethane	0.040	0.048	-20.0	100	0.00
43 TMP	2-Hexanone	-1.000	0.000	0.0	0	-6.76#

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110507.D
 Acq On : 05 Nov 2022 11:57 am
 Operator : VM
 Sample : 0.04 ppb 8260 ICAL 67-177G
 Misc : soil/water
 ALS Vial : 3 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:11 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	-1.000	0.000	0.0	0	-6.68#
45 TMP Tetrachloroethene	0.040	0.039	2.5	100	0.00
46 TMP Dibromochloromethane	-1.000	0.000	0.0	0	-6.88#
47 TMP 1,2-Dibromoethane (EDB)	0.040	0.049	-22.5#	100	0.00
48 TMP Chlorobenzene	-1.000	0.000	0.0	0	-7.43#
49 TMP Ethylbenzene	0.040	0.047	-17.5	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	-1.000	0.000	0.0	0	-7.51#
51 TMP m,p-Xylene	0.080	0.095	-18.8	100	0.00
52 TMP o-Xylene	0.040	0.046	-15.0	100	0.00
53 TMP Styrene	-1.000	0.000	0.0	0	-8.03#
54 TMP Isopropylbenzene	-1.000	0.000	0.0	0	-8.37#
55 TMP Bromoform	-1.000	0.000	0.0	0	-8.20#
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	10.000	10.629	-6.3	100	0.00
58 TMP n-Propylbenzene	-1.000	0.000	0.0	0	-8.77#
59 TMP Bromobenzene	-1.000	0.000	0.0	0	-8.65#
60 TMP 1,3,5-Trimethylbenzene	-1.000	0.000	0.0	0	-8.94#
61 TMP 1,1,2,2-Tetrachloroethane	-1.000	0.000	0.0	0	-8.65#
62 TMP 1,2,3-Trichloropropane	-1.000	0.000	0.0	0	-8.70#
63 TMP 2-Chlorotoluene	-1.000	0.000	0.0	0	-8.84#
64 TMP 4-Chlorotoluene	-1.000	0.000	0.0	0	-8.95#
65 TMP tert-Butylbenzene	-1.000	0.000	0.0	0	-9.25#
66 TMP 1,2,4-Trimethylbenzene	-1.000	0.000	0.0	0	-9.30#
67 TMP sec-Butylbenzene	-1.000	0.000	0.0	0	-9.46#
68 TMP p-Isopropyltoluene	-1.000	0.000	0.0	0	-9.61#
69 TMP 1,3-Dichlorobenzene	-1.000	0.000	0.0	0	-9.56#
70 TMP 1,4-Dichlorobenzene	-1.000	0.000	0.0	0	-9.64#
71 TMP 1,2-Dichlorobenzene	-1.000	0.000	0.0	0	-10.01#
72 TMP 1,2-Dibromo-3-chloropropane	-1.000	0.000	0.0	0	-10.78#
73 TMP 1,2,4-Trichlorobenzene	-1.000	0.000	0.0	0	-11.59#
74 TMP Hexachlorobutadiene	-1.000	0.000	0.0	0	-11.77#
75 TMP Naphthalene	-1.000	0.000	0.0	0	-11.84#
76 TMP 1,2,3-Trichlorobenzene	-1.000	0.000	0.0	0	-12.08#

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110507.D
 Acq On : 05 Nov 2022 11:57 am
 Operator : VM
 Sample : 0.04 ppb 8260 ICAL 67-177G
 Misc : soil/water
 ALS Vial : 3 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:11 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2 TMP	Ethanol	0.000	0.000#	0.0	0#	0.00
3 S	Dibromofluoromethane	0.321	0.303	5.6	100	0.00
4 TMP	Dichlorodifluoromethane	0.800	0.000#	100.0#	0#	-1.12#
5 TMP	Chloromethane	0.488	0.000#	100.0#	0#	-1.26#
6 TMP	Vinyl chloride	0.510	0.479	6.1	83	0.00
7 TMP	Bromomethane	0.432	0.000#	100.0#	0#	-1.58#
8 TMP	Chloroethane	0.229	0.000#	100.0#	0#	-1.65#
9 TMP	Trichlorofluoromethane	1.123	0.000#	100.0#	0#	-1.83#
10 TMP	2-Propanol	0.000	0.000	0.0	0#	-2.33#
11 TMP	Acetone	0.029	0.000#	100.0#	0#	-2.33#
12 TMP	1,1-Dichloroethene	0.285	0.298	-4.6	88	-0.01
13 TMP	Hexane	0.323	0.000#	100.0#	0#	-3.16#
14 TMP	Methylene chloride	0.289	0.000#	100.0#	0#	-2.68#
15 TMP	t-Butyl alcohol (TBA)	0.024	0.000#	100.0#	0#	-2.82#
16 TMP	Methyl t-butyl ether (MTBE)	0.666	0.669	-0.5	97	0.00
17 TMP	trans-1,2-Dichloroethene	0.318	0.385	-21.1#	100	-0.01
18 TMP	Diisopropyl ether (DIPE)	0.698	0.000#	100.0#	0#	-3.35#
19 TMP	1,1-Dichloroethane	0.463	0.494	-6.7	100	0.00
20 TMP	Ethyl t-butyl ether (ETBE)	0.258	0.000#	100.0#	0#	-3.66#
21 TMP	2,2-Dichloropropane	0.258	0.000#	100.0#	0#	-3.77#
22 TMP	cis-1,2-Dichloroethene	0.333	0.369	-10.8	100	0.00
23 TMP	Chloroform	0.539	0.000#	100.0#	0#	-4.04#
24 TMP	2-Butanone (MEK)	0.132	0.000#	100.0#	0#	-3.79#
25 TMP	t-Amyl methyl ether (TAME)	0.540	0.000#	100.0#	0#	-4.61#
26 TMP	1,2-Dichloroethane (EDC)	0.465	0.913	-96.3#	107	-0.01
27 TMP	1,1,1-Trichloroethane	0.482	0.515	-6.8	100	0.00
28 TMP	1,1-Dichloropropene	0.370	0.000#	100.0#	0#	-4.33#
29 TMP	Carbon tetrachloride	0.485	0.000#	100.0#	0#	-4.33#
30 S	1,2-Dichloroethane-d4	0.062	0.065	-4.8	100	0.00
31 TMP	Benzene	1.118	1.425	-27.5#	100	0.00
32 TMP	Trichloroethene	0.367	0.438	-19.3	102	0.00
33 TMP	1,2-Dichloropropane	0.241	0.000#	100.0#	0#	-5.24#
34 TMP	Bromodichloromethane	0.387	0.000#	100.0#	0#	-5.48#
35 S	Toluene-d8	0.954	0.948	0.6	100	0.00
36 TMP	Dibromomethane	0.219	0.000#	100.0#	0#	-5.35#
37 TMP	4-Methyl-2-pentanone	0.042	0.000#	100.0#	0#	-6.03#
38 TMP	cis-1,3-Dichloropropene	0.360	0.000#	100.0#	0#	-5.88#
39 I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40 TMP	Toluene	0.907	1.257	-38.6#	100	0.00
41 TMP	trans-1,3-Dichloropropene	0.366	0.000#	100.0#	0#	-6.36#
42 TMP	1,1,2-Trichloroethane	0.285	0.403	-41.4#	100	0.00
43 TMP	2-Hexanone	0.190	0.000#	100.0#	0#	-6.76#

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110507.D
 Acq On : 05 Nov 2022 11:57 am
 Operator : VM
 Sample : 0.04 ppb 8260 ICAL 67-177G
 Misc : soil/water
 ALS Vial : 3 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:11 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.457	0.000#	100.0#	0#	-6.68#
45 TMP Tetrachloroethene	0.460	0.589	-28.0#	100	0.00
46 TMP Dibromochloromethane	0.451	0.000#	100.0#	0#	-6.88#
47 TMP 1,2-Dibromoethane (EDB)	0.360	0.441	-22.5#	100	0.00
48 TMP Chlorobenzene	0.993	0.000#	100.0#	0#	-7.43#
49 TMP Ethylbenzene	1.557	1.840	-18.2	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.387	0.000#	100.0#	0#	-7.51#
51 TMP m,p-Xylene	0.612	0.724	-18.3	100	0.00
52 TMP o-Xylene	0.591	0.673	-13.9	100	0.00
53 TMP Styrene	0.887	0.000#	100.0#	0#	-8.03#
54 TMP Isopropylbenzene	1.435	0.000#	100.0#	0#	-8.37#
55 TMP Bromoform	0.299	0.000#	100.0#	0#	-8.20#
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	0.689	0.732	-6.2	100	0.00
58 TMP n-Propylbenzene	2.700	0.000#	100.0#	0#	-8.77#
59 TMP Bromobenzene	0.837	0.000#	100.0#	0#	-8.65#
60 TMP 1,3,5-Trimethylbenzene	1.968	0.000#	100.0#	0#	-8.94#
61 TMP 1,1,2,2-Tetrachloroethane	0.626	0.000#	100.0#	0#	-8.65#
62 TMP 1,2,3-Trichloropropane	0.486	0.000#	100.0#	0#	-8.70#
63 TMP 2-Chlorotoluene	1.617	0.000#	100.0#	0#	-8.84#
64 TMP 4-Chlorotoluene	1.912	0.000#	100.0#	0#	-8.95#
65 TMP tert-Butylbenzene	1.952	0.000#	100.0#	0#	-9.25#
66 TMP 1,2,4-Trimethylbenzene	1.996	0.000#	100.0#	0#	-9.30#
67 TMP sec-Butylbenzene	2.624	0.000#	100.0#	0#	-9.46#
68 TMP p-Isopropyltoluene	2.387	0.000#	100.0#	0#	-9.61#
69 TMP 1,3-Dichlorobenzene	1.530	0.000#	100.0#	0#	-9.56#
70 TMP 1,4-Dichlorobenzene	1.564	0.000#	100.0#	0#	-9.64#
71 TMP 1,2-Dichlorobenzene	1.455	0.000#	100.0#	0#	-10.01#
72 TMP 1,2-Dibromo-3-chloropropane	0.108	0.000#	100.0#	0#	-10.78#
73 TMP 1,2,4-Trichlorobenzene	0.971	0.000#	100.0#	0#	-11.59#
74 TMP Hexachlorobutadiene	0.600	0.000#	100.0#	0#	-11.77#
75 TMP Naphthalene	1.833	0.000#	100.0#	0#	-11.84#
76 TMP 1,2,3-Trichlorobenzene	0.846	0.000#	100.0#	0#	-12.08#

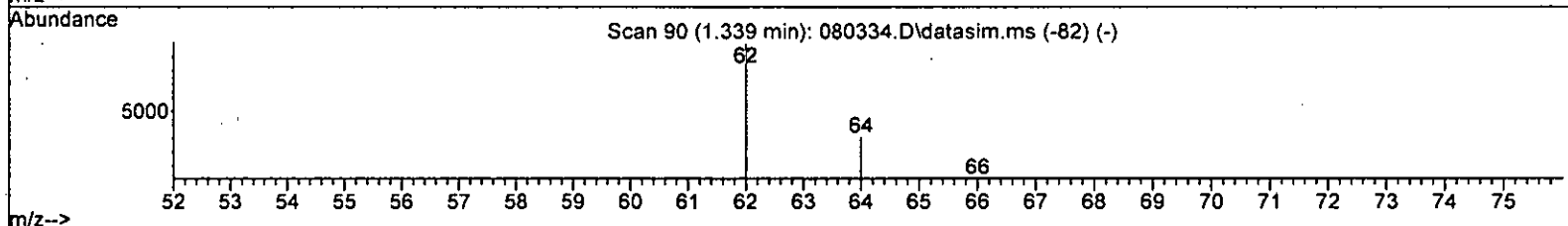
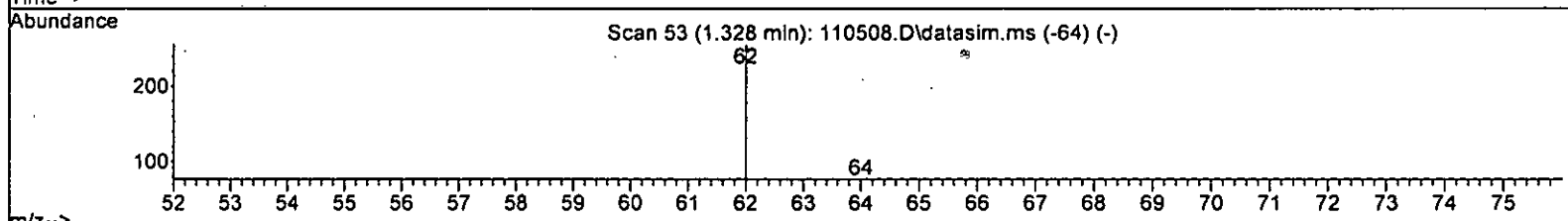
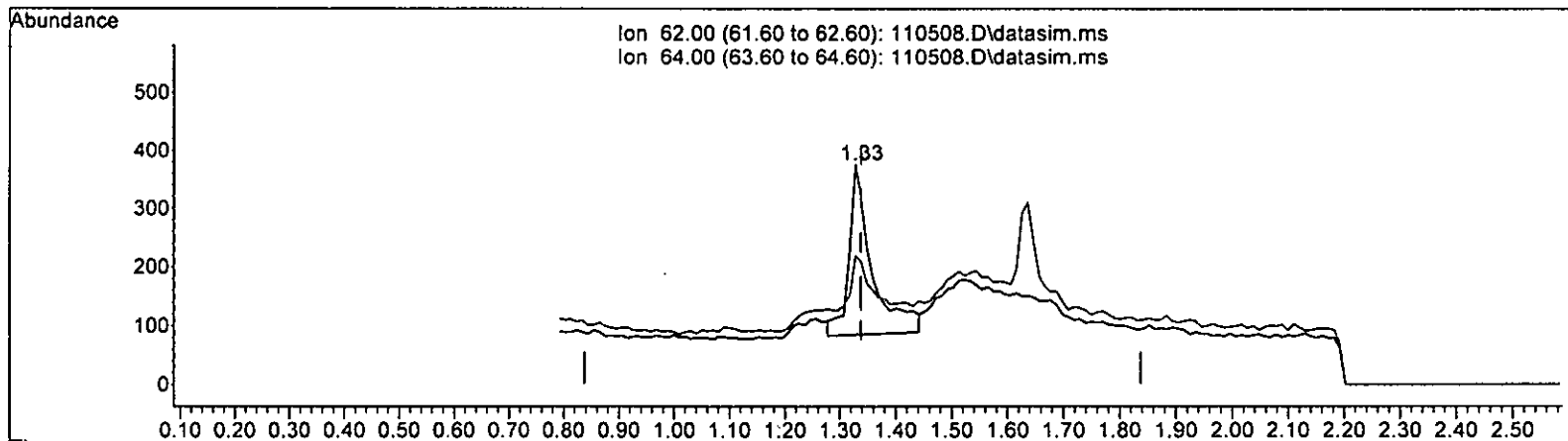
(#) = Out of Range

SPCC's out = 51 CCC's out = 0

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110508.D
 Acq On : 05 Nov 2022 12:20 pm
 Operator : VM
 Sample : 0.1 ppb 8260 ICAL 67-177H
 Misc : soil/water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:13 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110508.D\data.ms

(6) Vinyl chloride (TMP)

1.328min (-0.010) 0.148 ppb

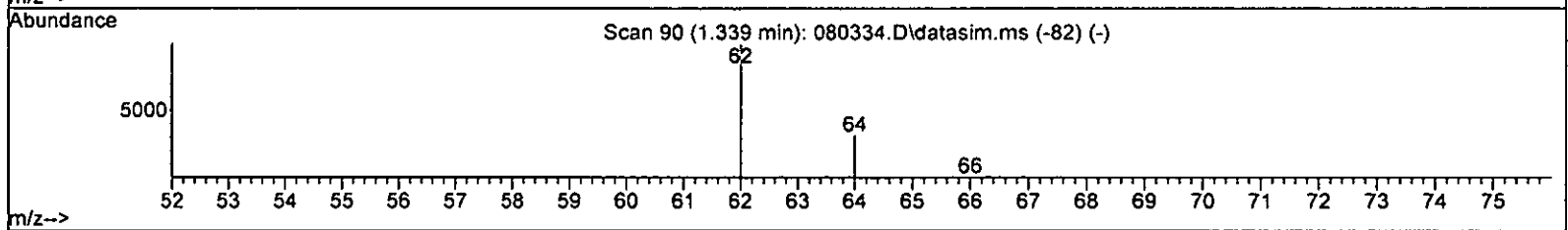
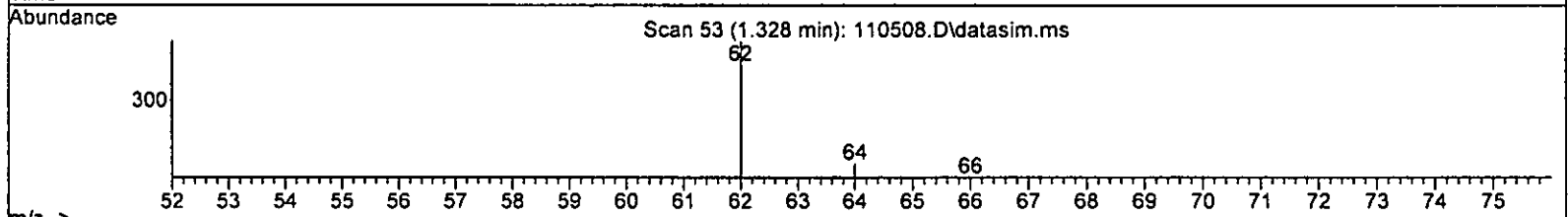
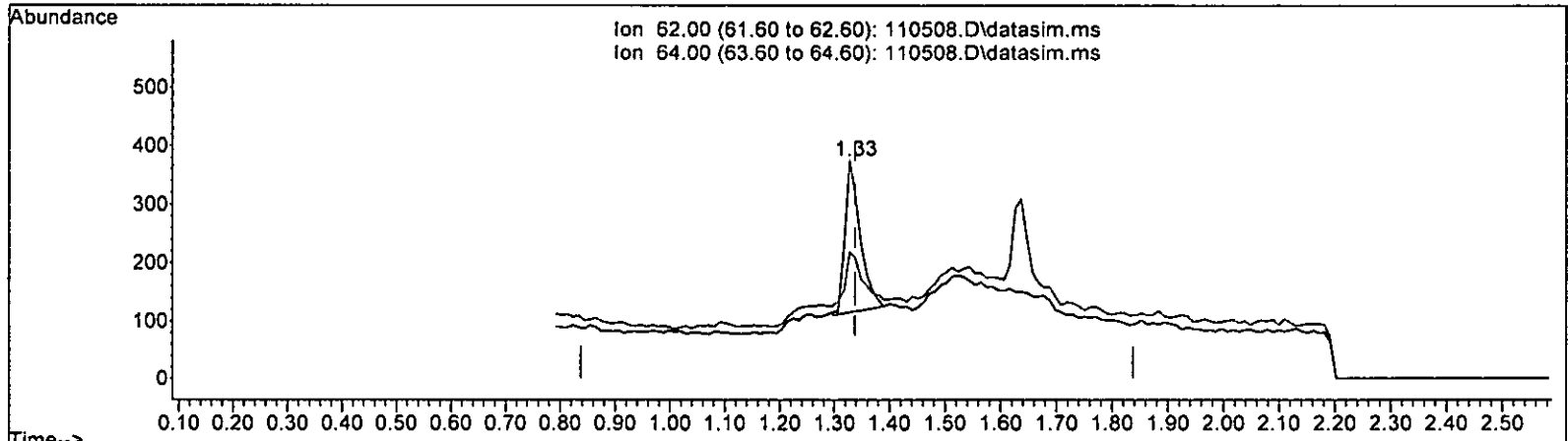
response 825

Ion	Exp%	Act%
62.00	100.00	100.00
64.00	34.40	34.08
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110508.D
 Acq On : 05 Nov 2022 12:20 pm
 Operator : VM
 Sample : 0.1 ppb 8260 ICAL 67-177H
 Misc : soil/water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:13 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110508.D\data.ms

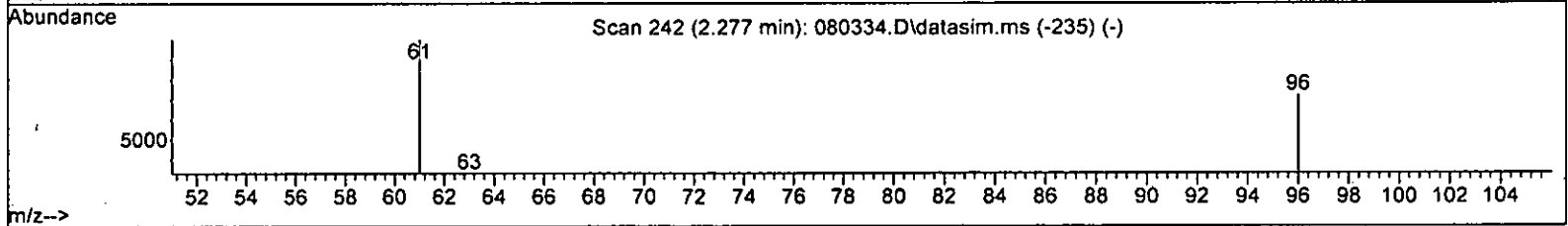
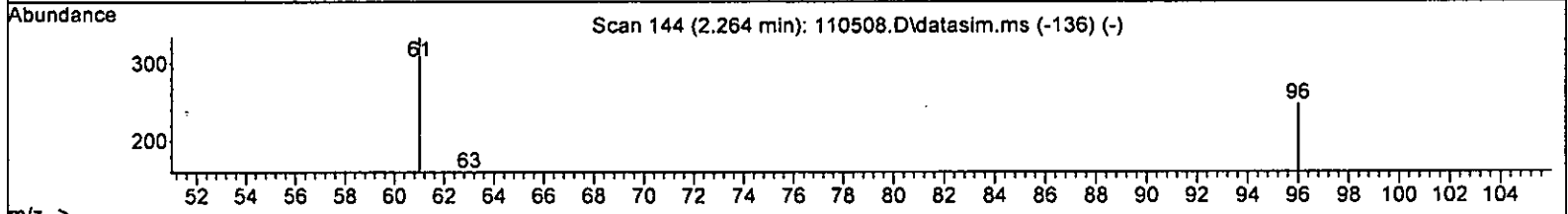
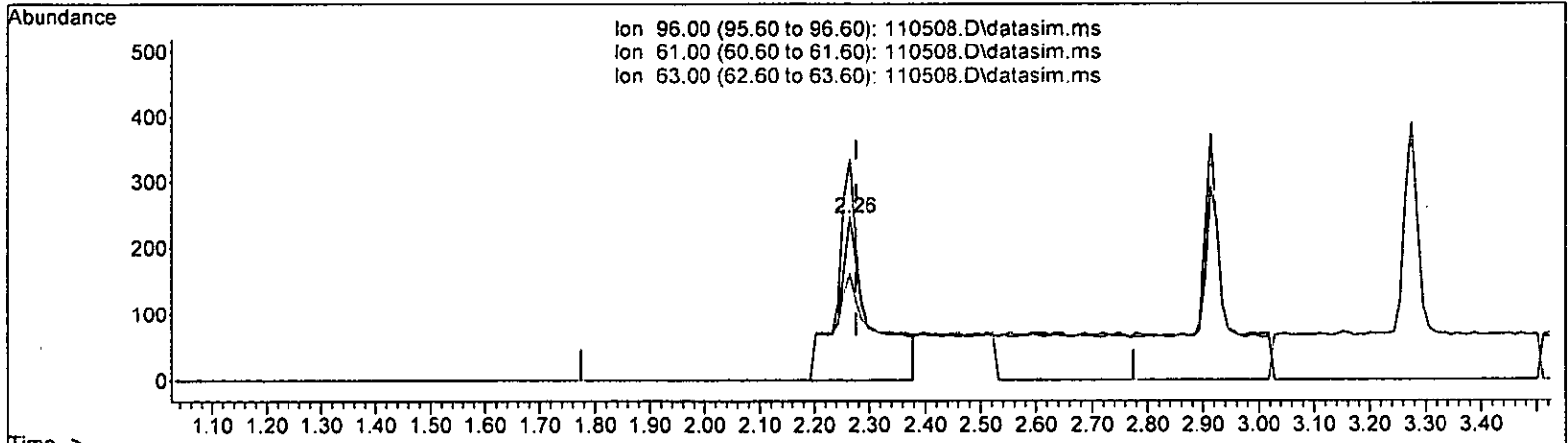
(6) Vinyl chloride (TMP)
 1.328min (-0.010) 0.089 ppb m
 response 497

Ion	Exp%	Act%
62.00	100.00	100.00
64.00	34.40	58.40
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110508.D
 Acq On : 05 Nov 2022 12:20 pm
 Operator : VM
 Sample : 0.1 ppb 8260 ICAL 67-177H
 Misc : soil/water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:13 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110508.D\data.ms

(12) 1,1-Dichloroethene (TMP)

2.264min (-0.011) 0.342 ppb

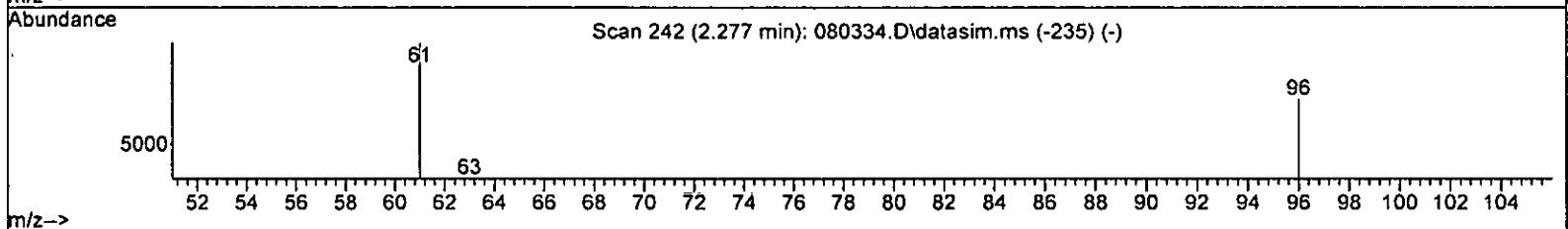
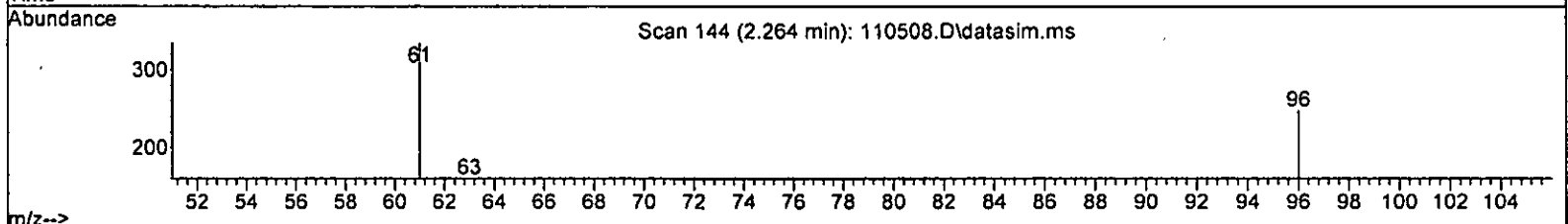
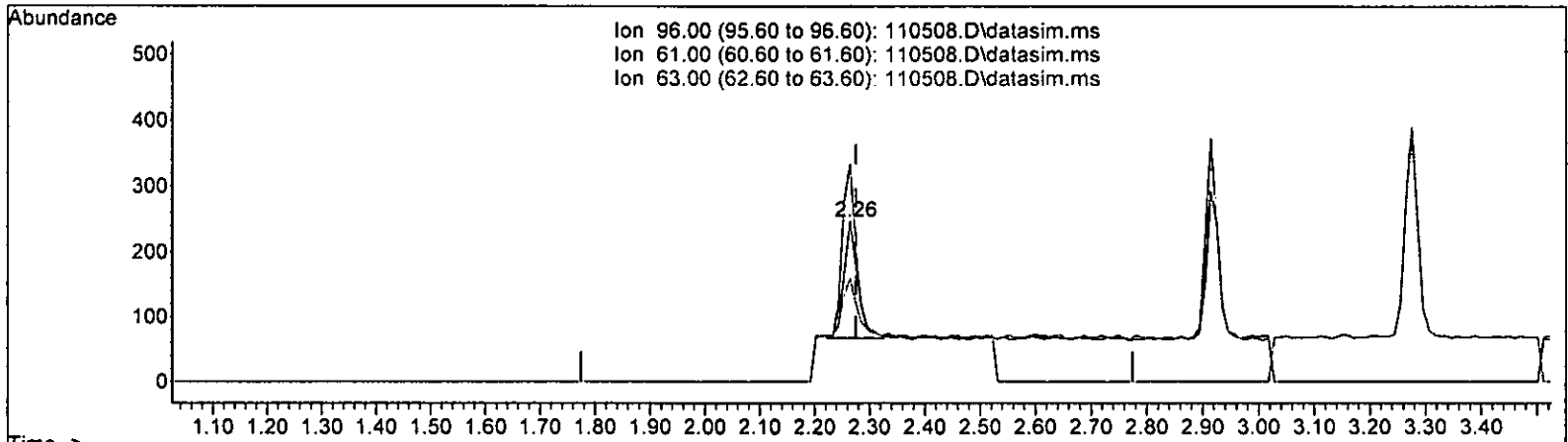
response 1066

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	120.90	135.22
63.00	43.90	64.78
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110508.D
 Acq On : 05 Nov 2022 12:20 pm
 Operator : VM
 Sample : 0.1 ppb 8260 ICAL 67-177H
 Misc : soil/water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:13 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110508.D\data.ms

(12) 1,1-Dichloroethene (TMP)

2.264min (-0.011) 0.100 ppb m

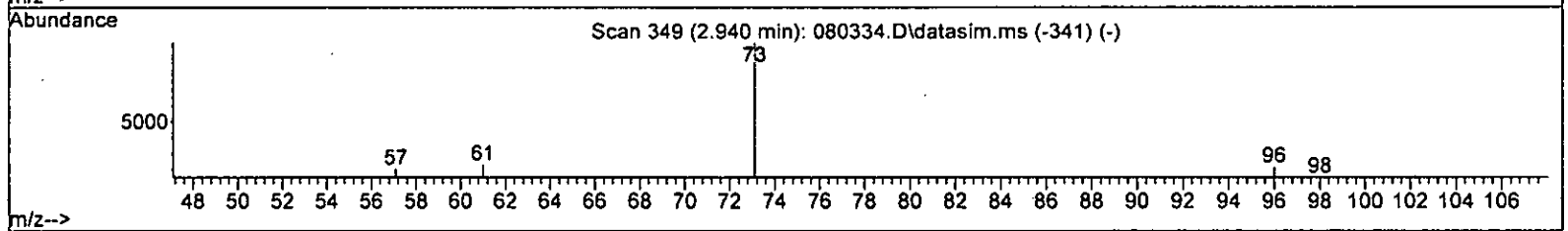
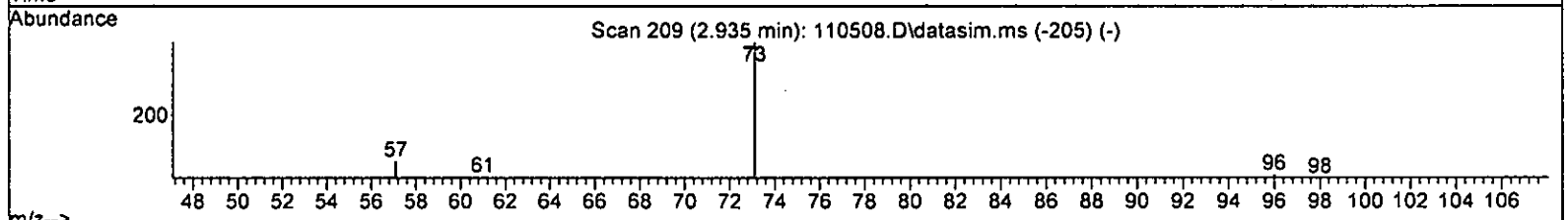
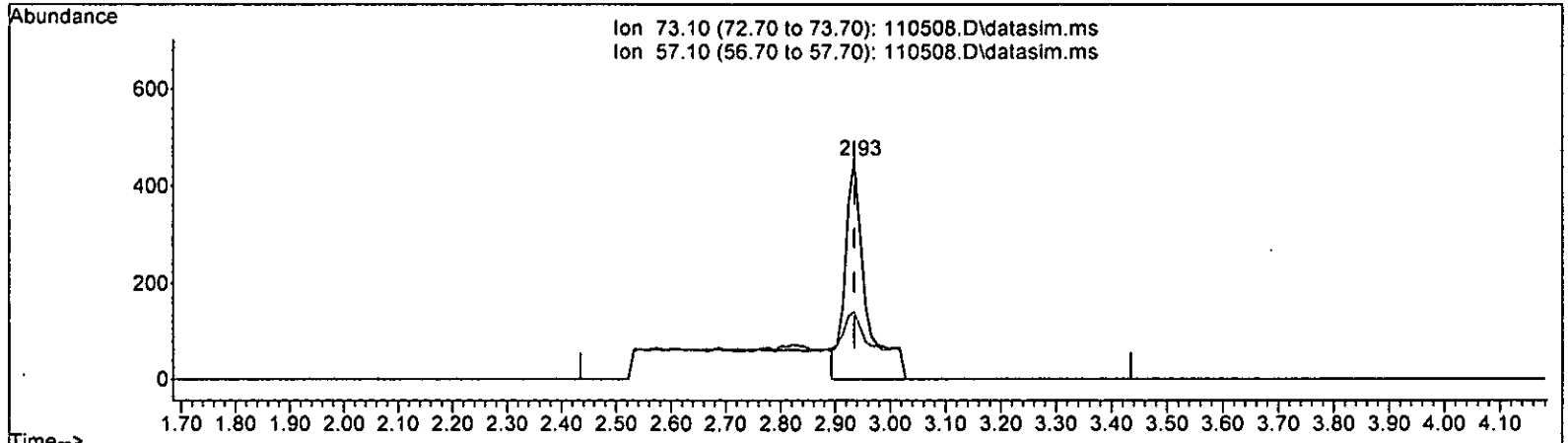
response 312

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	120.90	135.22
63.00	43.90	64.78
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110508.D
 Acq On : 05 Nov 2022 12:20 pm
 Operator : VM
 Sample : 0.1 ppb 8260 ICAL 67-177H
 Misc : soil/water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:13 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110508.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

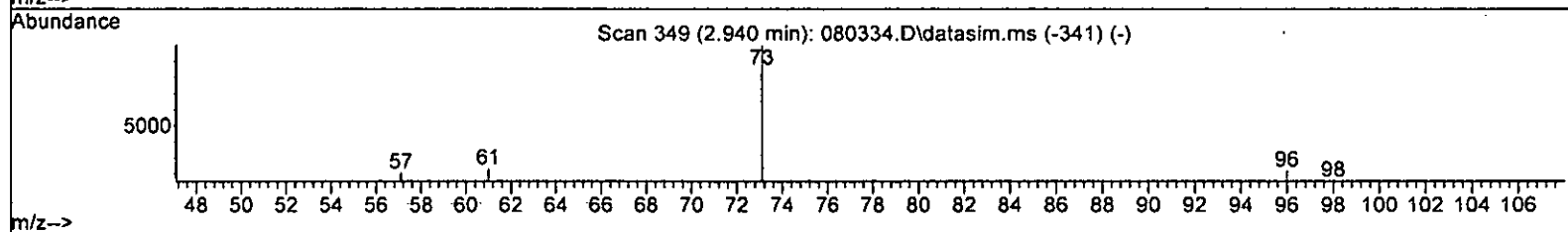
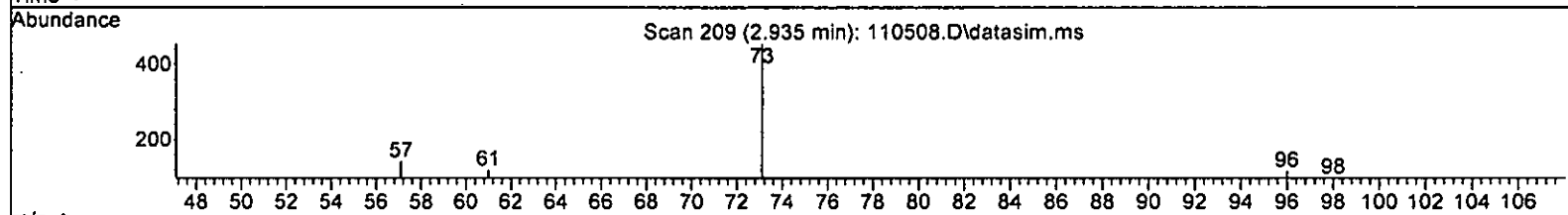
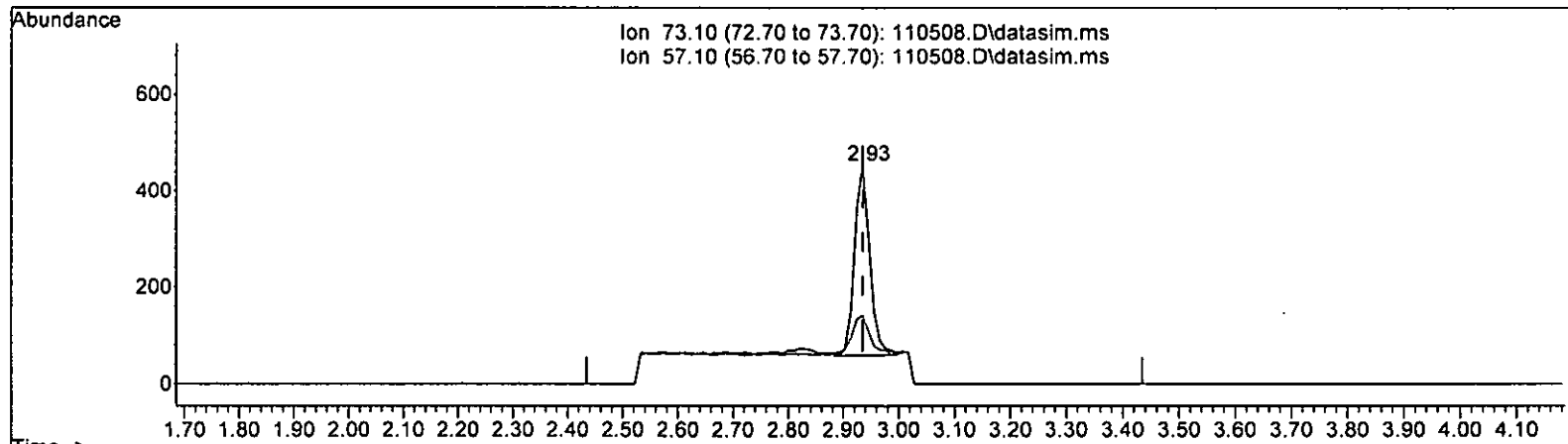
2.935min (-0.000) 0.163 ppb

response	1187	
Ion	Exp%	Act%
73.10	100.00	100.00
57.10	19.40	31.13
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110508.D
 Acq On : 05 Nov 2022 12:20 pm
 Operator : VM
 Sample : 0.1 ppb 8260 ICAL 67-177H
 Misc : soil/water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:13 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110508.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

2.935min (-0.000) 0.102 ppb m

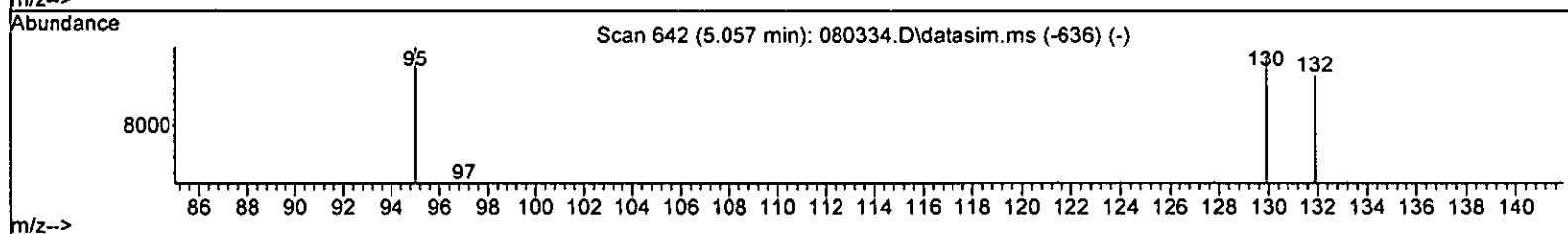
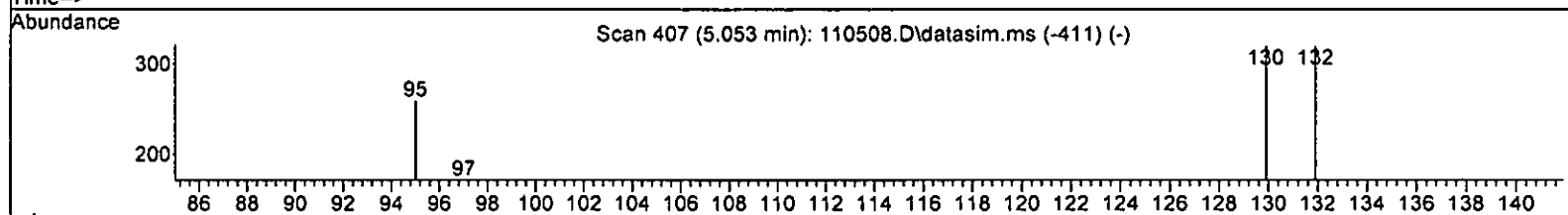
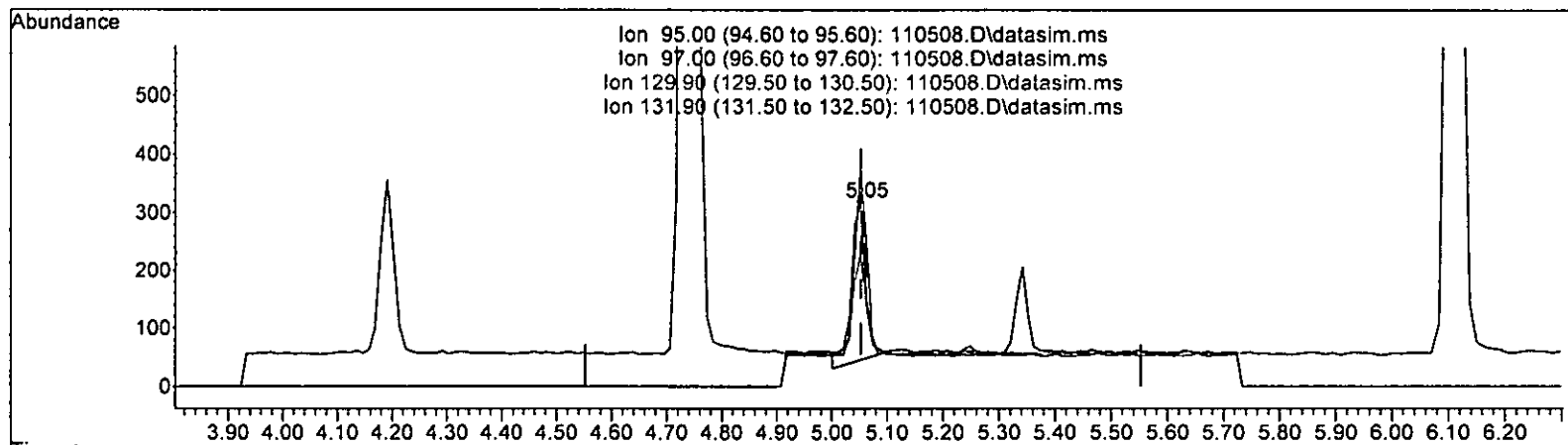
response 741

Ion	Exp%	Act%
73.10	100.00	100.00
57.10	19.40	31.13
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110508.D
 Acq On : 05 Nov 2022 12:20 pm
 Operator : VM
 Sample : 0.1 ppb 8260 ICAL 67-177H
 Misc : soil/water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:13 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



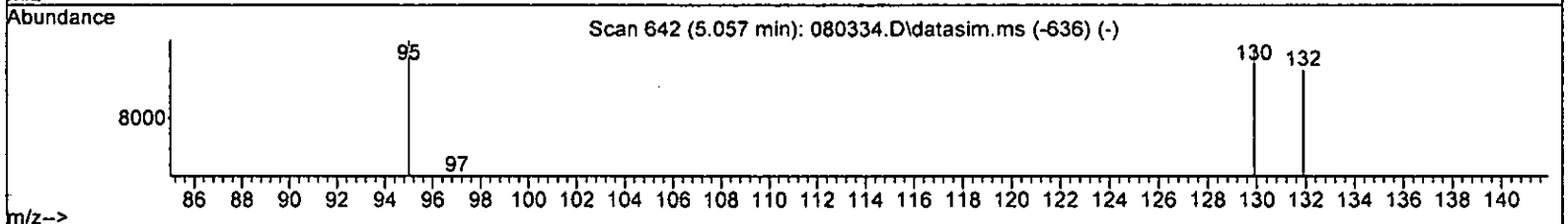
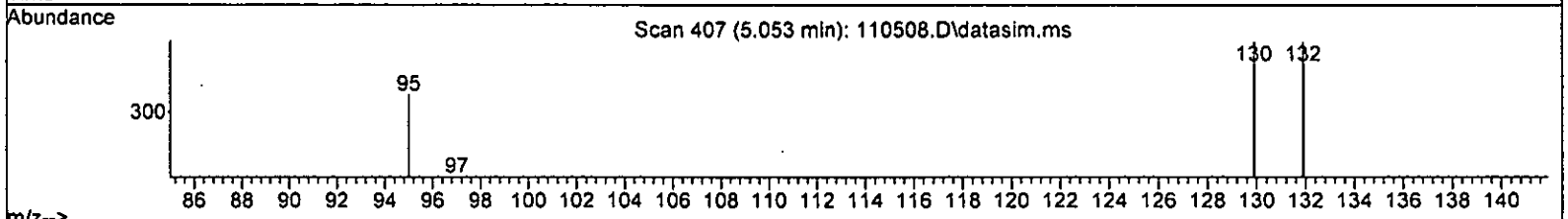
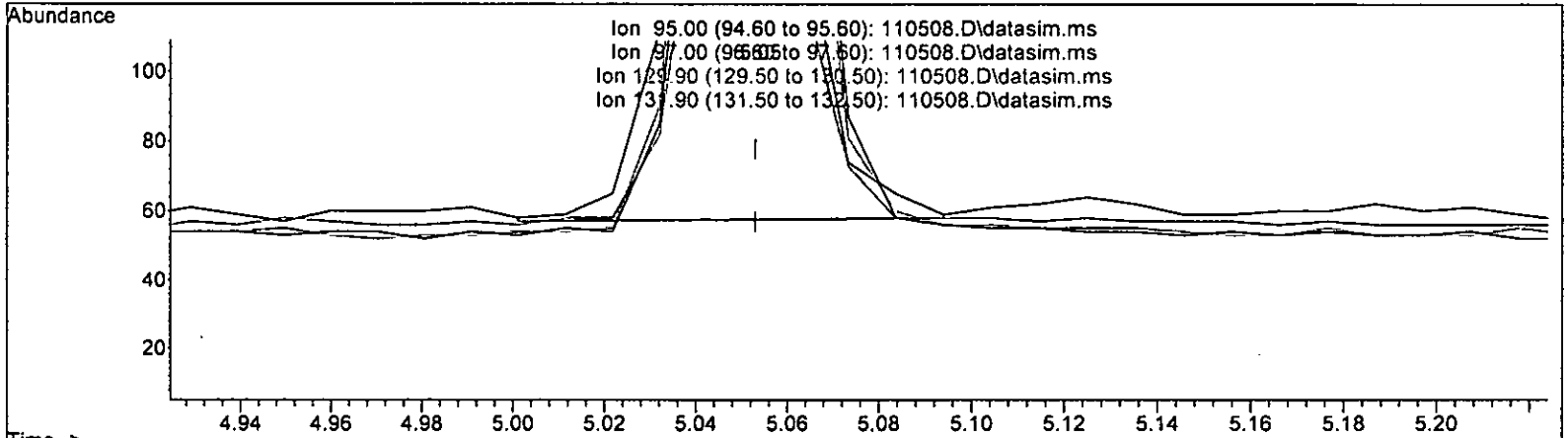
TIC: 110508.D\data.ms

(32) Trichloroethene (TME)		
Ion	Exp%	Act%
5.053min (-0.000)	0.121 ppb	
response	484	
Ion	Exp%	Act%
95.00	100.00	100.00
97.00	64.60	66.54
129.90	103.40	123.85
131.90	95.80	123.85

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110508.D
 Acq On : 05 Nov 2022 12:20 pm
 Operator : VM
 Sample : 0.1 ppb 8260 ICAL 67-177H
 Misc : soil/water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:13 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110508.D\data.ms.

(32) Trichloroethene (TME)

5.053min (-0.000) 0.102 ppb m

response 411

Ion	Exp%	Act%
95.00	100.00	100.00
97.00	64.60	72.01
129.90	103.40	118.24
131.90	95.80	117.92

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110508.D
 Acq On : 05 Nov 2022 12:20 pm
 Operator : VM
 Sample : 0.1 ppb 8260 ICAL 67-177H
 Misc : soil/water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:13 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	4.73	96	109470	10.000	ppb	-0.01	
39) Chlorobenzene-d5	7.40	117	90583	10.000	ppb	0.00	
56) 1,4-Dichlorobenzene-d4	9.62	152	50314	10.000	ppb	0.00	
System Monitoring Compounds							
3) Dibromofluoromethane	4.18	113	35688	10.166	ppb	0.00	
Spiked Amount	10.000	Range	50 - 150	Recovery	=	101.70%	
30) 1,2-Dichloroethane-d4	4.45	102	7083	10.411	ppb	0.00	
Spiked Amount	10.000	Range	84 - 120	Recovery	=	104.10%	
35) Toluene-d8	6.11	98	104488	10.008	ppb	0.00	
Spiked Amount	10.000	Range	73 - 128	Recovery	=	100.10%	
57) 4-Bromofluorobenzene	8.51	95	36575	10.550	ppb	0.00	
Spiked Amount	10.000	Range	57 - 146	Recovery	=	105.50%	
Target Compounds							
							Qvalue
2) Ethanol	2.34	45	221	No Calib			
4) Dichlorodifluoromethane	0.00		0	N.D.	d		
5) Chloromethane	0.00		0	N.D.	d		
6] Vinyl chloride	1.33	62	497m	0.089	ppb		
7) Bromomethane	0.00		0	N.D.	d		
8) Chloroethane	0.00		0	N.D.	d		
9) Trichlorofluoromethane	0.00		0	N.D.	d		
10) 2-Propanol	0.00		0	N.D.	d		
11) Acetone	0.00		0	N.D.	d		
12] 1,1-Dichloroethene	2.26	96	312m	0.100	ppb		
13) Hexane	0.00		0	N.D.	d		
14) Methylene chloride	0.00		0	N.D.	d		
15) t-Butyl alcohol (TBA)	0.00		0	N.D.	d		
16] Methyl t-butyl ether (...)	2.93	73	741m	0.102	ppb		
17] trans-1,2-Dichloroethene	2.91	96	356	0.102	ppb		82
18) Diisopropyl ether (DIPE)	0.00		0	N.D.	d		
19] 1,1-Dichloroethane	3.27	63	521	0.103	ppb		97
20) Ethyl t-butyl ether (E...)	0.00		0	N.D.	d		
21) 2,2-Dichloropropane	0.00		0	N.D.	d		
22] cis-1,2-Dichloroethene	3.77	96	375	0.103	ppb		97
23) Chloroform	0.00		0	N.D.	d		
24) 2-Butanone (MEK)	0.00		0	N.D.	d		
25) t-Amyl methyl ether (T...)	0.00		0	N.D.	d		
26] 1,2-Dichloroethane (EDC)	4.52	62	601	0.096	ppb		93
27] 1,1,1-Trichloroethane	4.19	97	516	0.098	ppb		93
28) 1,1-Dichloropropene	0.00		0	N.D.	d		
29) Carbon tetrachloride	0.00		0	N.D.	d		
31] Benzene	4.50	78	1279	0.104	ppb		99
32] Trichloroethene	5.05	95	411m	0.102	ppb		
33) 1,2-Dichloropropane	0.00		0	N.D.	d		
34) Bromodichloromethane	0.00		0	N.D.	d		
36) Dibromomethane	0.00		0	N.D.	d		

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110508.D
 Acq On : 05 Nov 2022 12:20 pm
 Operator : VM
 Sample : 0.1 ppb 8260 ICAL 67-177H
 Misc : soil/water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

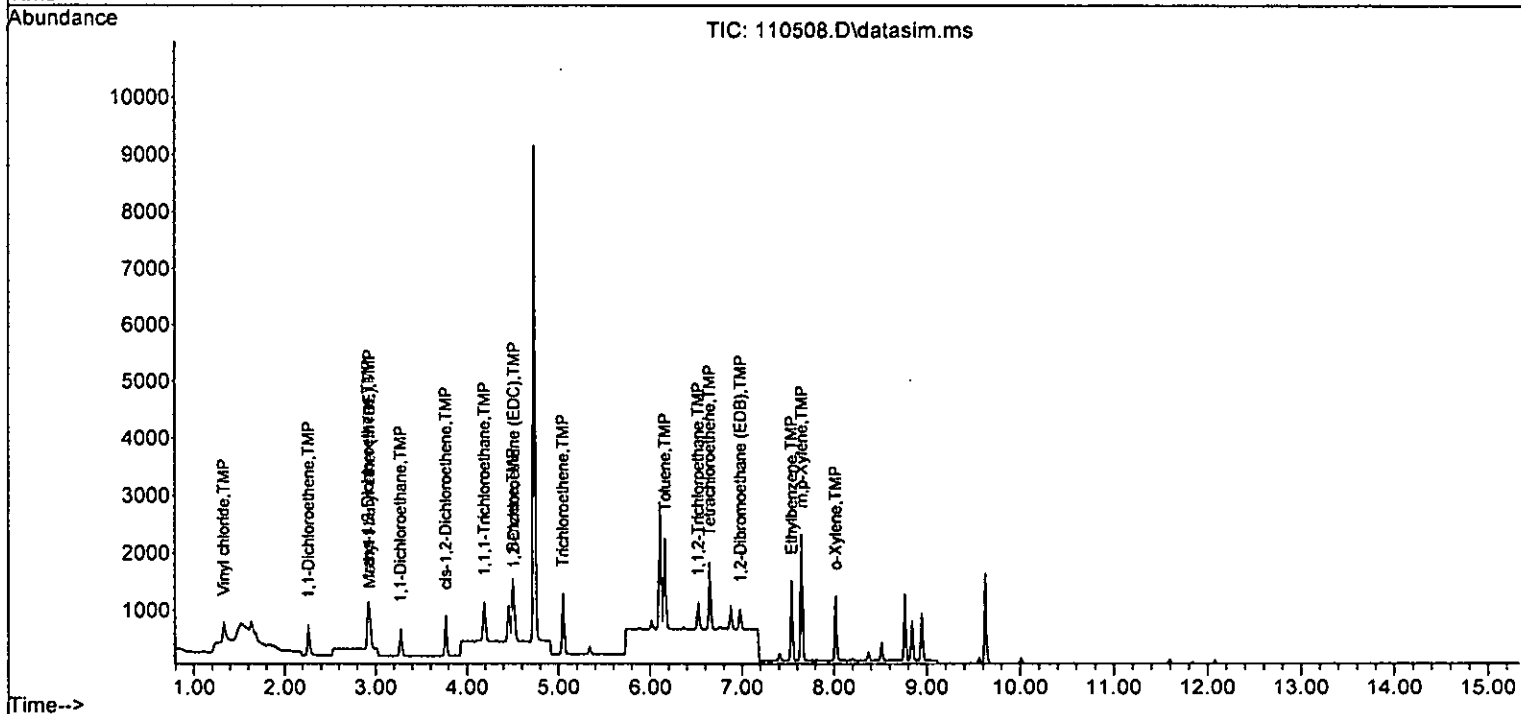
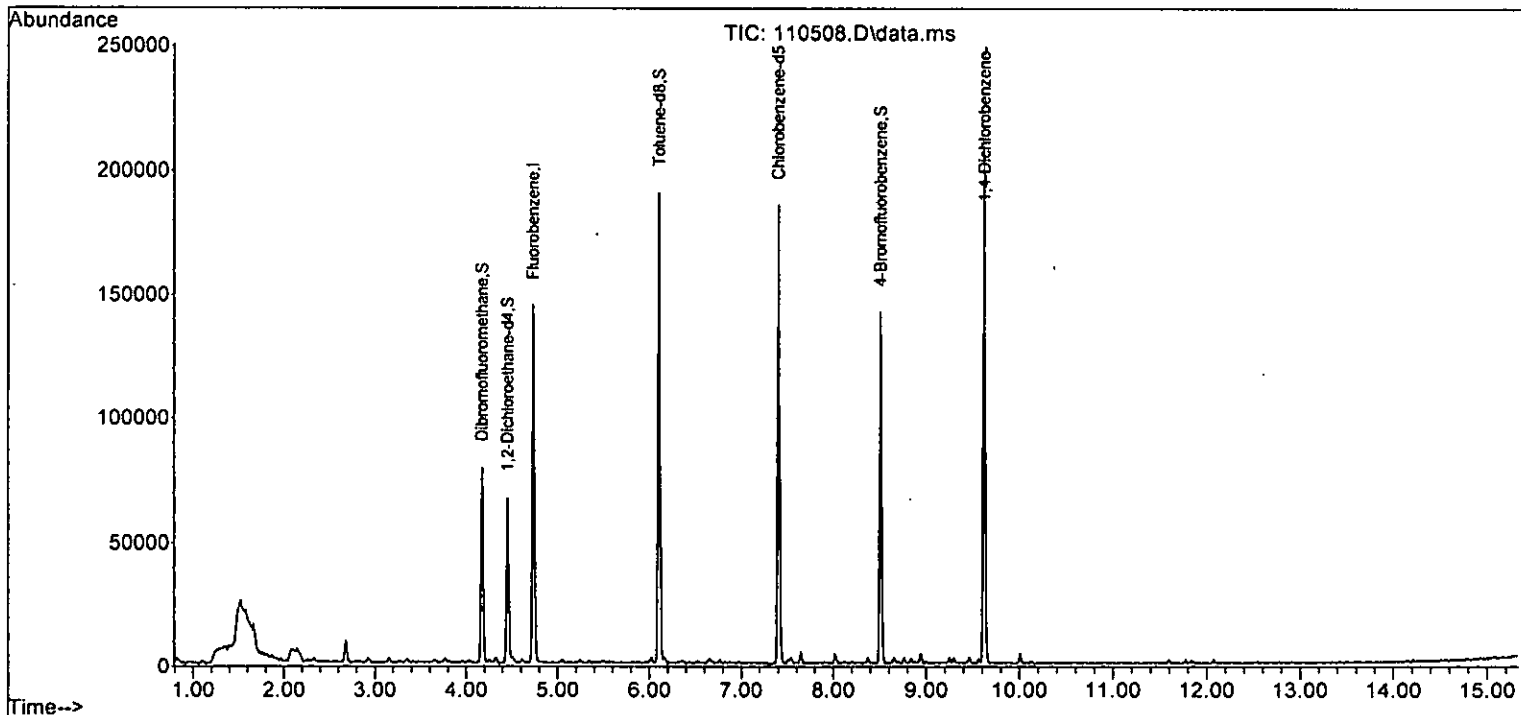
Quant Time: Nov 07 15:17:13 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.00		0	N.D.	d	
38) cis-1,3-Dichloropropene	0.00		0	N.D.	d	
40] Toluene	6.16	92	862	0.102	ppb	99
41) trans-1,3-Dichloropropene	0.00		0	N.D.	d	
42] 1,1,2-Trichloroethane	6.53	83	254	0.094	ppb	87
43) 2-Hexanone	0.00		0	N.D.	d	
44) 1,3-Dichloropropane	0.00		0	N.D.	d	
45] Tetrachloroethene	6.65	164	432	0.101	ppb	95
46) Dibromochloromethane	0.00		0	N.D.	d	
47] 1,2-Dibromoethane (EDB)	6.98	107	312	0.096	ppb	95
48) Chlorobenzene	0.00		0	N.D.	d	
49] Ethylbenzene	7.54	91	1419	0.101	ppb	94
50) 1,1,1,2-Tetrachloroethane	0.00		0	N.D.	d	
51] m,p-Xylene	7.65	106	1086	0.196	ppb	89
52] o-Xylene	8.02	106	541	0.101	ppb	85
53) Styrene	0.00		0	N.D.	d	
54) Isopropylbenzene	0.00		0	N.D.	d	
55) Bromoform	0.00		0	N.D.	d	
58) n-Propylbenzene	0.00		0	N.D.	d	
59) Bromobenzene	0.00		0	N.D.	d	
60) 1,3,5-Trimethylbenzene	0.00		0	N.D.	d	
61) 1,1,2,2-Tetrachloroethane	0.00		0	N.D.	d	
62) 1,2,3-Trichloropropane	0.00		0	N.D.	d	
63) 2-Chlorotoluene	0.00		0	N.D.	d	
64) 4-Chlorotoluene	0.00		0	N.D.	d	
65) tert-Butylbenzene	0.00		0	N.D.	d	
66) 1,2,4-Trimethylbenzene	0.00		0	N.D.	d	
67) sec-Butylbenzene	0.00		0	N.D.	d	
68) p-Isopropyltoluene	0.00		0	N.D.	d	
69) 1,3-Dichlorobenzene	0.00		0	N.D.	d	
70) 1,4-Dichlorobenzene	0.00		0	N.D.	d	
71) 1,2-Dichlorobenzene	0.00		0	N.D.	d	
72) 1,2-Dibromo-3-chloropr...	0.00		0	N.D.	d	
73) 1,2,4-Trichlorobenzene	0.00		0	N.D.	d	
74) Hexachlorobutadiene	0.00		0	N.D.	d	
75) Naphthalene	0.00		0	N.D.	d	
76) 1,2,3-Trichlorobenzene	0.00		0	N.D.	d	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110508.D
 Acq On : 05 Nov 2022 12:20 pm
 Operator : VM
 Sample : 0.1 ppb 8260 ICAL 67-177H
 Misc : soil/water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:13 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110508.D
 Acq On : 05 Nov 2022 12:20 pm
 Operator : VM
 Sample : 0.1 ppb 8260 ICAL 67-177H
 Misc : soil/water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:13 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I Fluorobenzene	10.000	10.000	0.0	100	-0.01
2 TMP Ethanol	-1.000	0.000	0.0	0	0.01
3 S Dibromofluoromethane	10.000	10.166	-1.7	100	0.00
4 TMP Dichlorodifluoromethane	-1.000	0.000	0.0	0	-1.12#
5 TMP Chloromethane	-1.000	0.000	0.0	0	-1.26#
6 TMP Vinyl chloride	0.100	0.089	11.0	96	-0.01
7 TMP Bromomethane	-1.000	0.000	0.0	0	-1.58#
8 TMP Chloroethane	-1.000	0.000	0.0	0	-1.65#
9 TMP Trichlorofluoromethane	-1.000	0.000	0.0	0	-1.83#
10 TMP 2-Propanol	-1.000	0.000	0.0	0	-2.33#
11 TMP Acetone	-1.000	0.000	0.0	0	-2.33#
12 TMP 1,1-Dichloroethene	0.100	0.100	0.0	100	-0.01
13 TMP Hexane	-1.000	0.000	0.0	0	-3.16#
14 TMP Methylene chloride	-1.000	0.000	0.0	0	-2.68#
15 TMP t-Butyl alcohol (TBA)	-1.000	0.000	0.0	0	-2.82#
16 TMP Methyl t-butyl ether (MTBE)	0.100	0.102	-2.0	98	0.00
17 TMP trans-1,2-Dichloroethene	0.100	0.102	-2.0	100	-0.01
18 TMP Diisopropyl ether (DIPE)	-1.000	0.000	0.0	0	-3.35#
19 TMP 1,1-Dichloroethane	0.100	0.103	-3.0	100	0.00
20 TMP Ethyl t-butyl ether (ETBE)	-1.000	0.000	0.0	0	-3.66#
21 TMP 2,2-Dichloropropane	-1.000	0.000	0.0	0	-3.77#
22 TMP cis-1,2-Dichloroethene	0.100	0.103	-3.0	100	0.00
23 TMP Chloroform	-1.000	0.000	0.0	0	-4.04#
24 TMP 2-Butanone (MEK)	-1.000	0.000	0.0	0	-3.79#
25 TMP t-Amyl methyl ether (TAME)	-1.000	0.000	0.0	0	-4.61#
26 TMP 1,2-Dichloroethane (EDC)	0.100	0.096	4.0	108	-0.01
27 TMP 1,1,1-Trichloroethane	0.100	0.098	2.0	100	0.00
28 TMP 1,1-Dichloropropene	-1.000	0.000	0.0	0	-4.33#
29 TMP Carbon tetrachloride	-1.000	0.000	0.0	0	-4.33#
30 S 1,2-Dichloroethane-d4	10.000	10.411	-4.1	100	0.00
31 TMP Benzene	0.100	0.104	-4.0	100	0.00
32 TMP Trichloroethene	0.100	0.102	-2.0	96	0.00
33 TMP 1,2-Dichloropropane	-1.000	0.000	0.0	0	-5.24#
34 TMP Bromodichloromethane	-1.000	0.000	0.0	0	-5.48#
35 S Toluene-d8	10.000	10.008	-0.1	100	0.00
36 TMP Dibromomethane	-1.000	0.000	0.0	0	-5.35#
37 TMP 4-Methyl-2-pentanone	-1.000	0.000	0.0	0	-6.03#
38 TMP cis-1,3-Dichloropropene	-1.000	0.000	0.0	0	-5.88#
39 I Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40 TMP Toluene	0.100	0.102	-2.0	100	0.00
41 TMP trans-1,3-Dichloropropene	-1.000	0.000	0.0	0	-6.36#
42 TMP 1,1,2-Trichloroethane	0.100	0.094	6.0	100	0.00
43 TMP 2-Hexanone	-1.000	0.000	0.0	0	-6.76#

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110508.D
 Acq On : 05 Nov 2022 12:20 pm
 Operator : VM
 Sample : 0.1 ppb 8260 ICAL 67-177H
 Misc : soil/water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:13 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	-1.000	0.000	0.0	0	-6.68#
45 TMP Tetrachloroethene	0.100	0.101	-1.0	100	0.00
46 TMP Dibromochloromethane	-1.000	0.000	0.0	0	-6.88#
47 TMP 1,2-Dibromoethane (EDB)	0.100	0.096	4.0	100	0.00
48 TMP Chlorobenzene	-1.000	0.000	0.0	0	-7.43#
49 TMP Ethylbenzene	0.100	0.101	-1.0	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	-1.000	0.000	0.0	0	-7.51#
51 TMP m,p-Xylene	0.200	0.196	2.0	100	0.00
52 TMP o-Xylene	0.100	0.101	-1.0	100	0.00
53 TMP Styrene	-1.000	0.000	0.0	0	-8.03#
54 TMP Isopropylbenzene	-1.000	0.000	0.0	0	-8.37#
55 TMP Bromoform	-1.000	0.000	0.0	0	-8.20#
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	10.000	10.550	-5.5	100	0.00
58 TMP n-Propylbenzene	-1.000	0.000	0.0	0	-8.77#
59 TMP Bromobenzene	-1.000	0.000	0.0	0	-8.65#
60 TMP 1,3,5-Trimethylbenzene	-1.000	0.000	0.0	0	-8.94#
61 TMP 1,1,2,2-Tetrachloroethane	-1.000	0.000	0.0	0	-8.65#
62 TMP 1,2,3-Trichloropropane	-1.000	0.000	0.0	0	-8.70#
63 TMP 2-Chlorotoluene	-1.000	0.000	0.0	0	-8.84#
64 TMP 4-Chlorotoluene	-1.000	0.000	0.0	0	-8.95#
65 TMP tert-Butylbenzene	-1.000	0.000	0.0	0	-9.25#
66 TMP 1,2,4-Trimethylbenzene	-1.000	0.000	0.0	0	-9.30#
67 TMP sec-Butylbenzene	-1.000	0.000	0.0	0	-9.46#
68 TMP p-Isopropyltoluene	-1.000	0.000	0.0	0	-9.61#
69 TMP 1,3-Dichlorobenzene	-1.000	0.000	0.0	0	-9.56#
70 TMP 1,4-Dichlorobenzene	-1.000	0.000	0.0	0	-9.64#
71 TMP 1,2-Dichlorobenzene	-1.000	0.000	0.0	0	-10.01#
72 TMP 1,2-Dibromo-3-chloropropane	-1.000	0.000	0.0	0	-10.78#
73 TMP 1,2,4-Trichlorobenzene	-1.000	0.000	0.0	0	-11.59#
74 TMP Hexachlorobutadiene	-1.000	0.000	0.0	0	-11.77#
75 TMP Naphthalene	-1.000	0.000	0.0	0	-11.84#
76 TMP 1,2,3-Trichlorobenzene	-1.000	0.000	0.0	0	-12.08#

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110508.D
 Acq On : 05 Nov 2022 12:20 pm
 Operator : VM
 Sample : 0.1 ppb 8260 ICAL 67-177H
 Misc : soil/water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:13 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	1.000	1.000	0.0	100	-0.01
2 TMP	Ethanol	0.000	0.000#	0.0	0#	0.01
3 S	Dibromofluoromethane	0.321	0.326	-1.6	100	0.00
4 TMP	Dichlorodifluoromethane	0.800	0.000#	100.0#	0#	-1.12#
5 TMP	Chloromethane	0.488	0.000#	100.0#	0#	-1.26#
6 TMP	Vinyl chloride	0.510	0.454	11.0	96	-0.01
7 TMP	Bromomethane	0.432	0.000#	100.0#	0#	-1.58#
8 TMP	Chloroethane	0.229	0.000#	100.0#	0#	-1.65#
9 TMP	Trichlorofluoromethane	1.123	0.000#	100.0#	0#	-1.83#
10 TMP	2-Propanol	0.000	0.000	0.0	0#	-2.33#
11 TMP	Acetone	0.029	0.000#	100.0#	0#	-2.33#
12 TMP	1,1-Dichloroethene	0.285	0.285	0.0	100	-0.01
13 TMP	Hexane	0.323	0.000#	100.0#	0#	-3.16#
14 TMP	Methylene chloride	0.289	0.000#	100.0#	0#	-2.68#
15 TMP	t-Butyl alcohol (TBA)	0.024	0.000#	100.0#	0#	-2.82#
16 TMP	Methyl t-butyl ether (MTBE)	0.666	0.677	-1.7	98	0.00
17 TMP	trans-1,2-Dichloroethene	0.318	0.325	-2.2	100	-0.01
18 TMP	Diisopropyl ether (DIPE)	0.698	0.000#	100.0#	0#	-3.35#
19 TMP	1,1-Dichloroethane	0.463	0.476	-2.8	100	0.00
20 TMP	Ethyl t-butyl ether (ETBE)	0.258	0.000#	100.0#	0#	-3.66#
21 TMP	2,2-Dichloropropane	0.258	0.000#	100.0#	0#	-3.77#
22 TMP	cis-1,2-Dichloroethene	0.333	0.343	-3.0	100	0.00
23 TMP	Chloroform	0.539	0.000#	100.0#	0#	-4.04#
24 TMP	2-Butanone (MEK)	0.132	0.000#	100.0#	0#	-3.79#
25 TMP	t-Amyl methyl ether (TAME)	0.540	0.000#	100.0#	0#	-4.61#
26 TMP	1,2-Dichloroethane (EDC)	0.465	0.549	-18.1	108	-0.01
27 TMP	1,1,1-Trichloroethane	0.482	0.471	2.3	100	0.00
28 TMP	1,1-Dichloropropene	0.370	0.000#	100.0#	0#	-4.33#
29 TMP	Carbon tetrachloride	0.485	0.000#	100.0#	0#	-4.33#
30 S	1,2-Dichloroethane-d4	0.062	0.065	-4.8	100	0.00
31 TMP	Benzene	1.118	1.168	-4.5	100	0.00
32 TMP	Trichloroethene	0.367	0.375	-2.2	96	0.00
33 TMP	1,2-Dichloropropane	0.241	0.000#	100.0#	0#	-5.24#
34 TMP	Bromodichloromethane	0.387	0.000#	100.0#	0#	-5.48#
35 S	Toluene-d8	0.954	0.954	0.0	100	0.00
36 TMP	Dibromomethane	0.219	0.000#	100.0#	0#	-5.35#
37 TMP	4-Methyl-2-pentanone	0.042	0.000#	100.0#	0#	-6.03#
38 TMP	cis-1,3-Dichloropropene	0.360	0.000#	100.0#	0#	-5.88#
39 I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40 TMP	Toluene	0.907	0.952	-5.0	100	0.00
41 TMP	trans-1,3-Dichloropropene	0.366	0.000#	100.0#	0#	-6.36#
42 TMP	1,1,2-Trichloroethane	0.285	0.280	1.8	100	0.00
43 TMP	2-Hexanone	0.190	0.000#	100.0#	0#	-6.76#

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110508.D
 Acq On : 05 Nov 2022 12:20 pm
 Operator : VM
 Sample : 0.1 ppb 8260 ICAL 67-177H
 Misc : soil/water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:13 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.457	0.000#	100.0#	0#	-6.68#
45 TMP Tetrachloroethene	0.460	0.477	-3.7	100	0.00
46 TMP Dibromochloromethane	0.451	0.000#	100.0#	0#	-6.88#
47 TMP 1,2-Dibromoethane (EDB)	0.360	0.344	4.4	100	0.00
48 TMP Chlorobenzene	0.993	0.000#	100.0#	0#	-7.43#
49 TMP Ethylbenzene	1.557	1.567	-0.6	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.387	0.000#	100.0#	0#	-7.51#
51 TMP m,p-Xylene	0.612	0.599	2.1	100	0.00
52 TMP o-Xylene	0.591	0.597	-1.0	100	0.00
53 TMP Styrene	0.887	0.000#	100.0#	0#	-8.03#
54 TMP Isopropylbenzene	1.435	0.000#	100.0#	0#	-8.37#
55 TMP Bromoform	0.299	0.000#	100.0#	0#	-8.20#
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	0.689	0.727	-5.5	100	0.00
58 TMP n-Propylbenzene	2.700	0.000#	100.0#	0#	-8.77#
59 TMP Bromobenzene	0.837	0.000#	100.0#	0#	-8.65#
60 TMP 1,3,5-Trimethylbenzene	1.968	0.000#	100.0#	0#	-8.94#
61 TMP 1,1,2,2-Tetrachloroethane	0.626	0.000#	100.0#	0#	-8.65#
62 TMP 1,2,3-Trichloropropane	0.486	0.000#	100.0#	0#	-8.70#
63 TMP 2-Chlorotoluene	1.617	0.000#	100.0#	0#	-8.84#
64 TMP 4-Chlorotoluene	1.912	0.000#	100.0#	0#	-8.95#
65 TMP tert-Butylbenzene	1.952	0.000#	100.0#	0#	-9.25#
66 TMP 1,2,4-Trimethylbenzene	1.996	0.000#	100.0#	0#	-9.30#
67 TMP sec-Butylbenzene	2.624	0.000#	100.0#	0#	-9.46#
68 TMP p-Isopropyltoluene	2.387	0.000#	100.0#	0#	-9.61#
69 TMP 1,3-Dichlorobenzene	1.530	0.000#	100.0#	0#	-9.56#
70 TMP 1,4-Dichlorobenzene	1.564	0.000#	100.0#	0#	-9.64#
71 TMP 1,2-Dichlorobenzene	1.455	0.000#	100.0#	0#	-10.01#
72 TMP 1,2-Dibromo-3-chloropropane	0.108	0.000#	100.0#	0#	-10.78#
73 TMP 1,2,4-Trichlorobenzene	0.971	0.000#	100.0#	0#	-11.59#
74 TMP Hexachlorobutadiene	0.600	0.000#	100.0#	0#	-11.77#
75 TMP Naphthalene	1.833	0.000#	100.0#	0#	-11.84#
76 TMP 1,2,3-Trichlorobenzene	0.846	0.000#	100.0#	0#	-12.08#

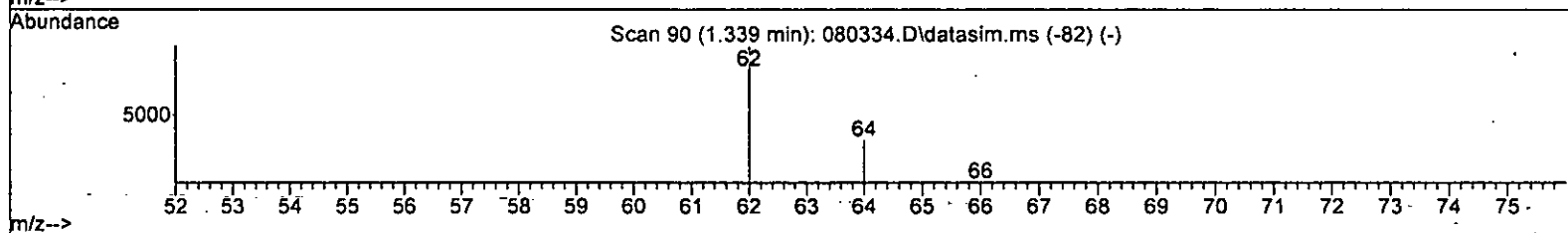
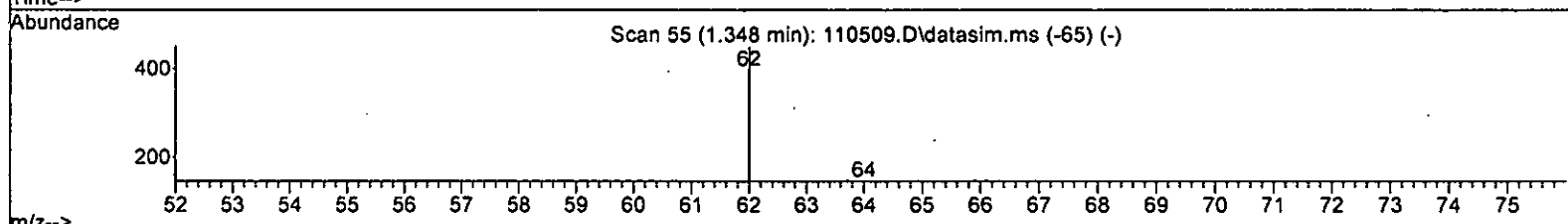
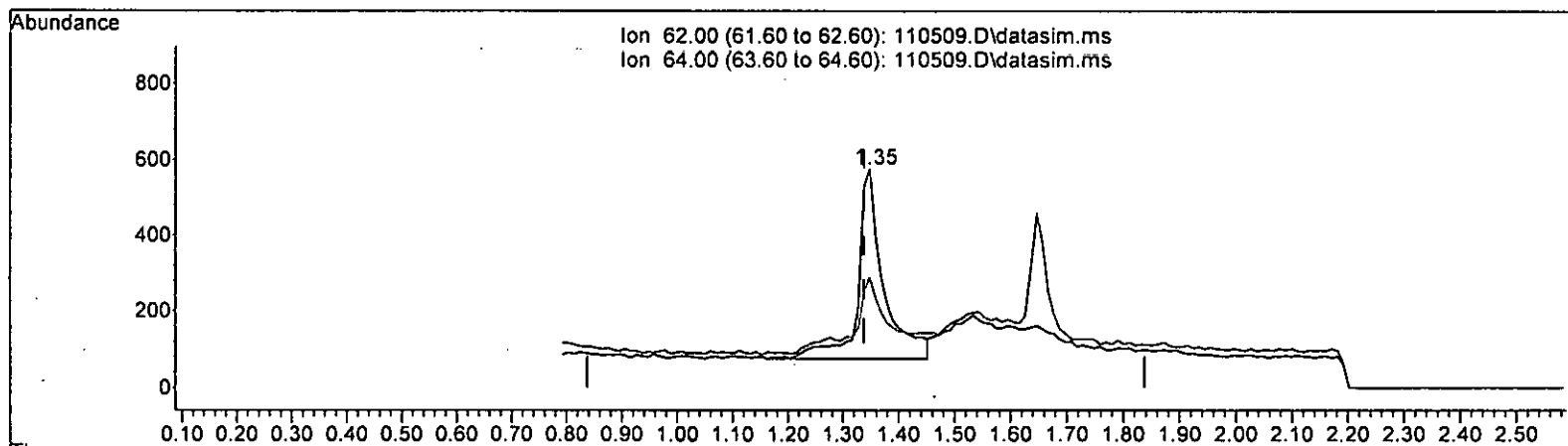
(#) = Out of Range

SPCC's out = 51 CCC's out = 0

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110509.D
 Acq On : 05 Nov 2022 12:44 pm
 Operator : VM
 Sample : 0.2 ppb 8260 ICAL 67-177I
 Misc : soil/water
 ALS Vial : 5 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:15 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110509.D\data.ms

(6) Vinyl chloride (TMP)

1.348min (+ 0.010) 0.291 ppb

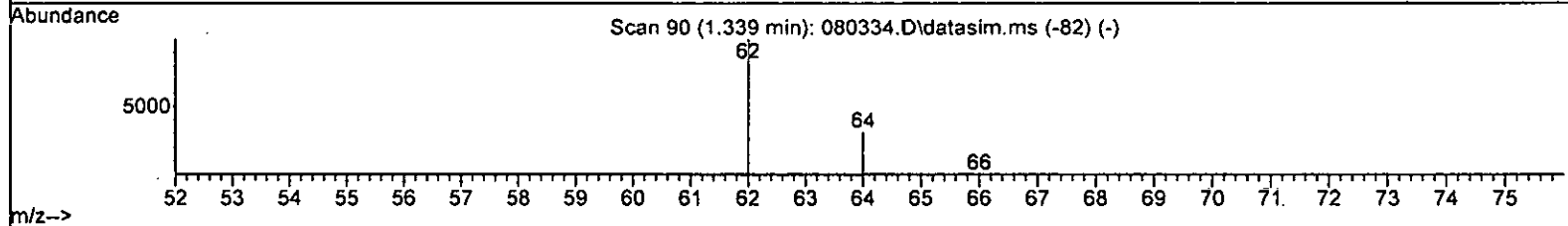
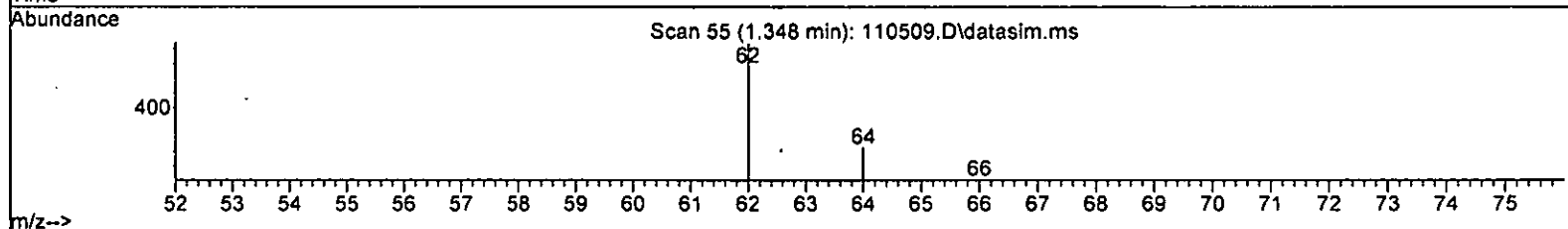
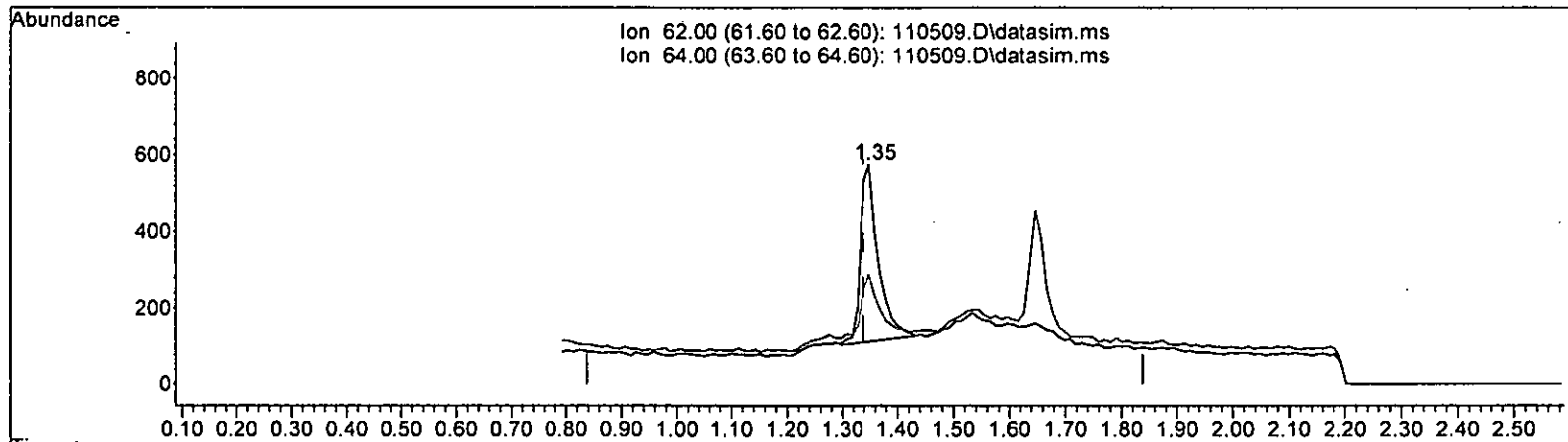
response 1606

Ion	Exp%	Act%
62.00	100.00	100.00
64.00	34.40	39.12
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110509.D
 Acq On : 05 Nov 2022 12:44 pm
 Operator : VM
 Sample : 0.2 ppb 8260 ICAL 67-177I
 Misc : soil/water
 ALS Vial : 5 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:15 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110509.D\data.ms

(6) Vinyl chloride (TMP)

1.348min (+ 0.010) 0.187 ppb m

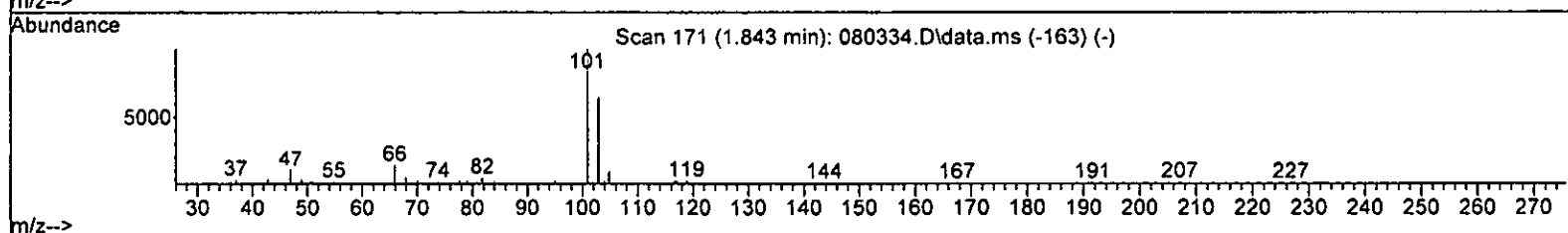
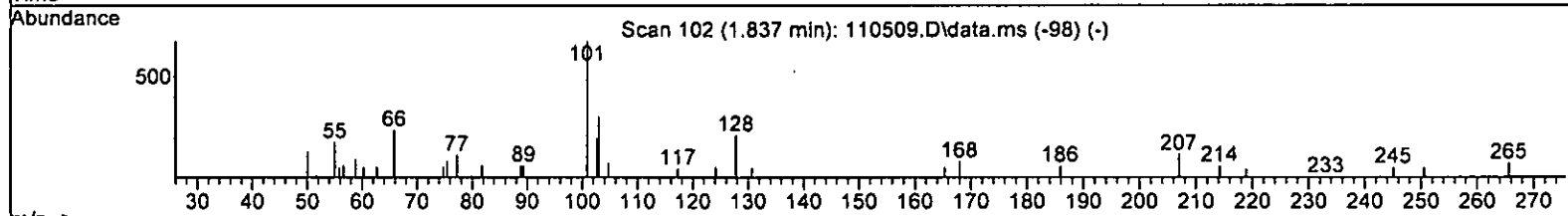
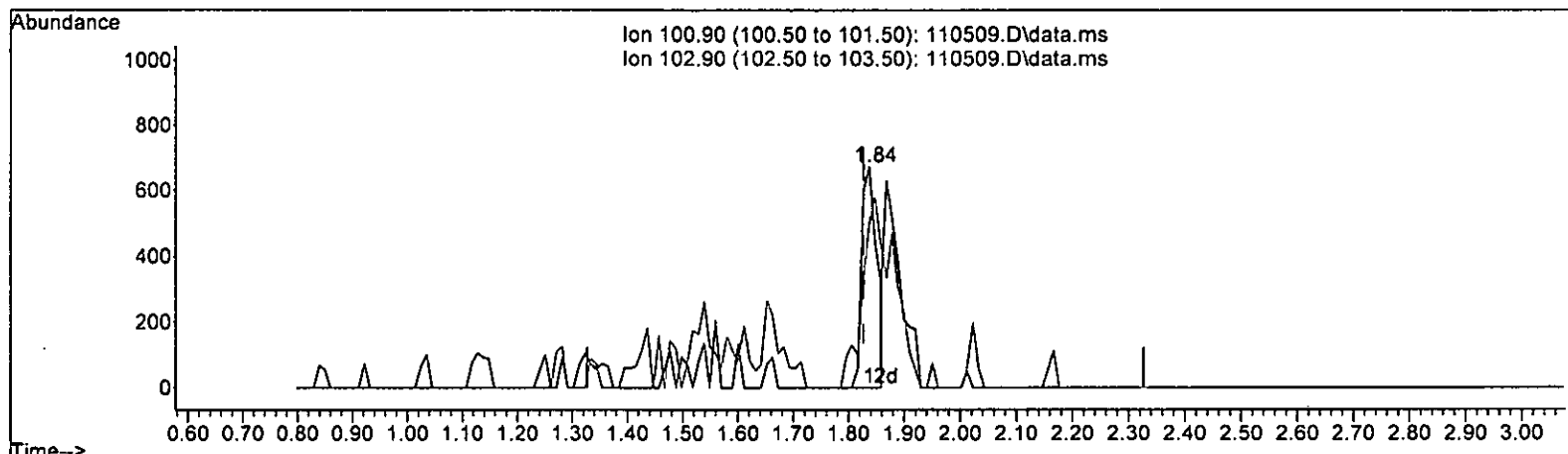
response 1032

Ion	Exp%	Act%
62.00	100.00	100.00
64.00	34.40	50.17
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110509.D
 Acq On : 05 Nov 2022 12:44 pm
 Operator : VM
 Sample : 0.2 ppb 8260 ICAL 67-177I
 Misc : soil/water
 ALS Vial : 5 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:15 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110509.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.837min (+ 0.010) 0.106 ppb

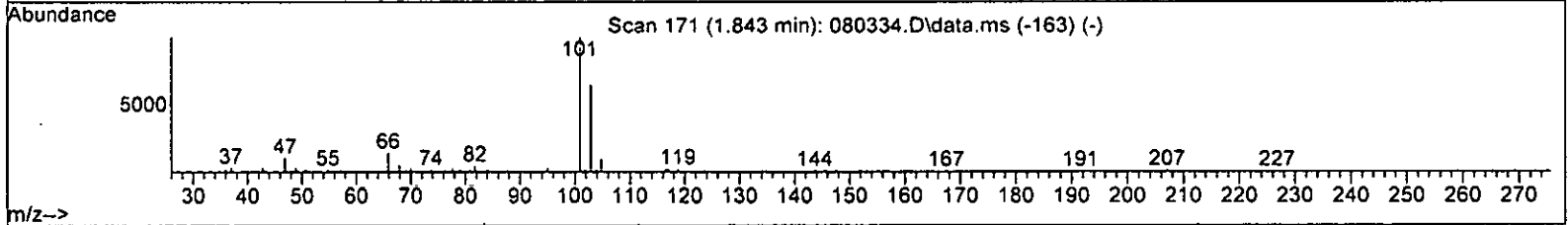
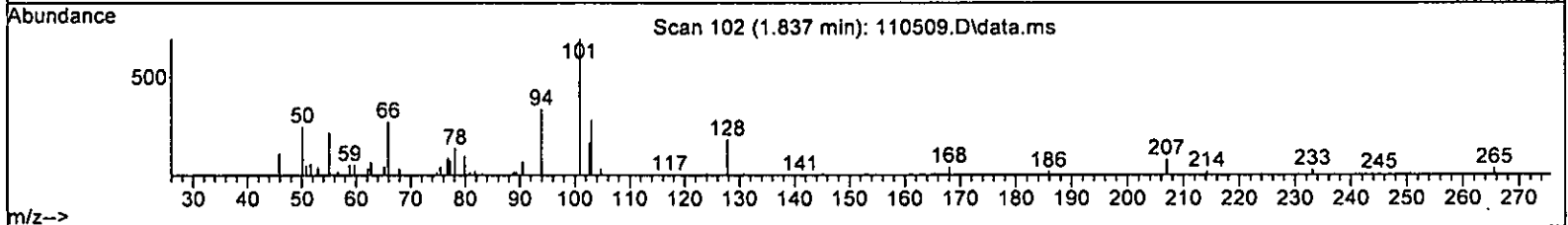
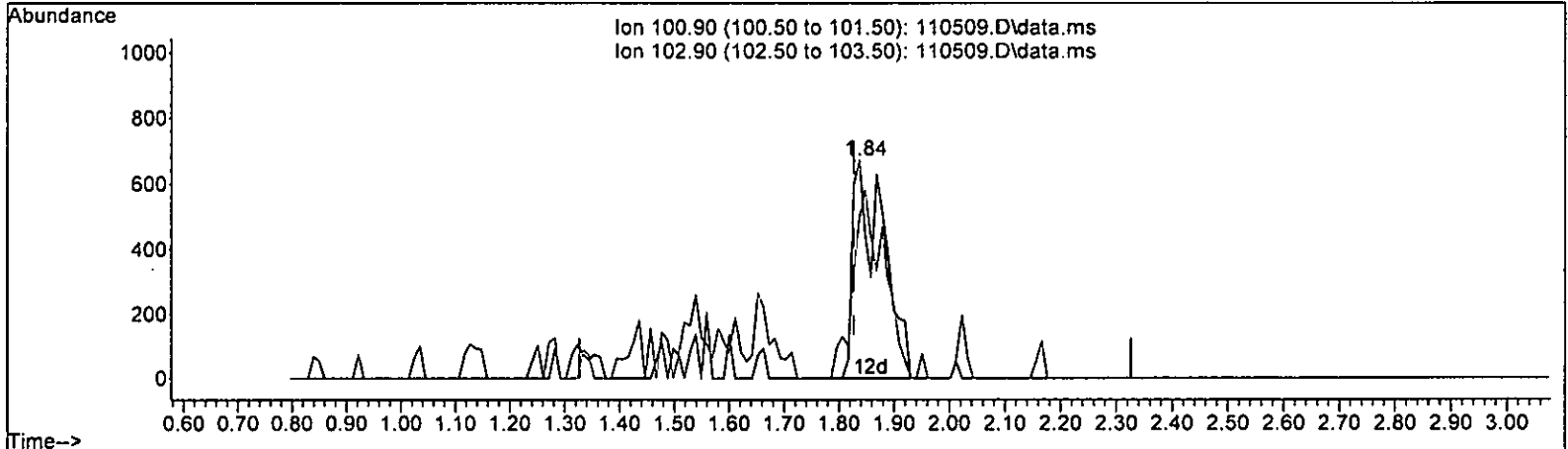
response 1292

Ion	Exp%	Act%
100.90	100.00	100.00
102.90	65.30	60.12
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110509.D
 Acq On : 05 Nov 2022 12:44 pm
 Operator : VM
 Sample : 0.2 ppb 8260 ICAL 67-177I
 Misc : soil/water
 ALS Vial : 5 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:15 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110509.D\data.ms

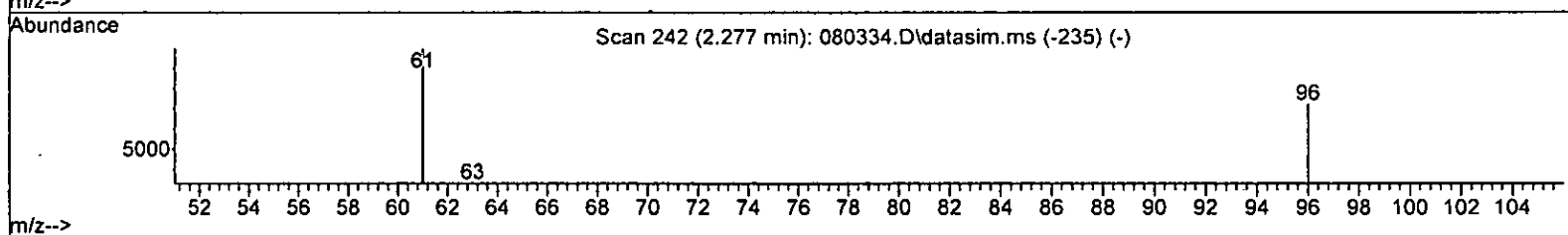
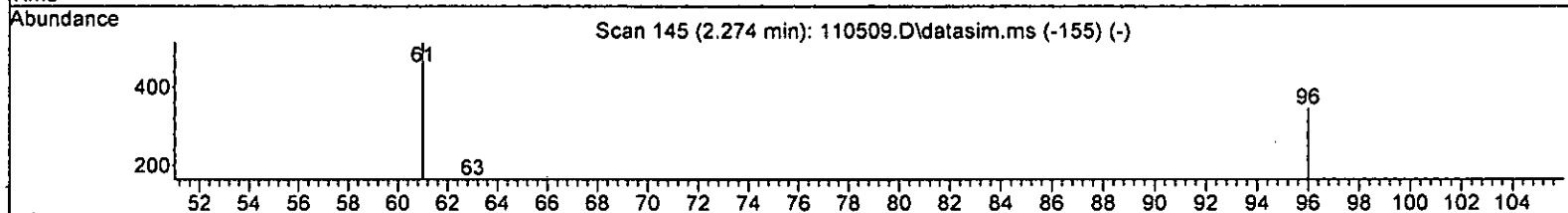
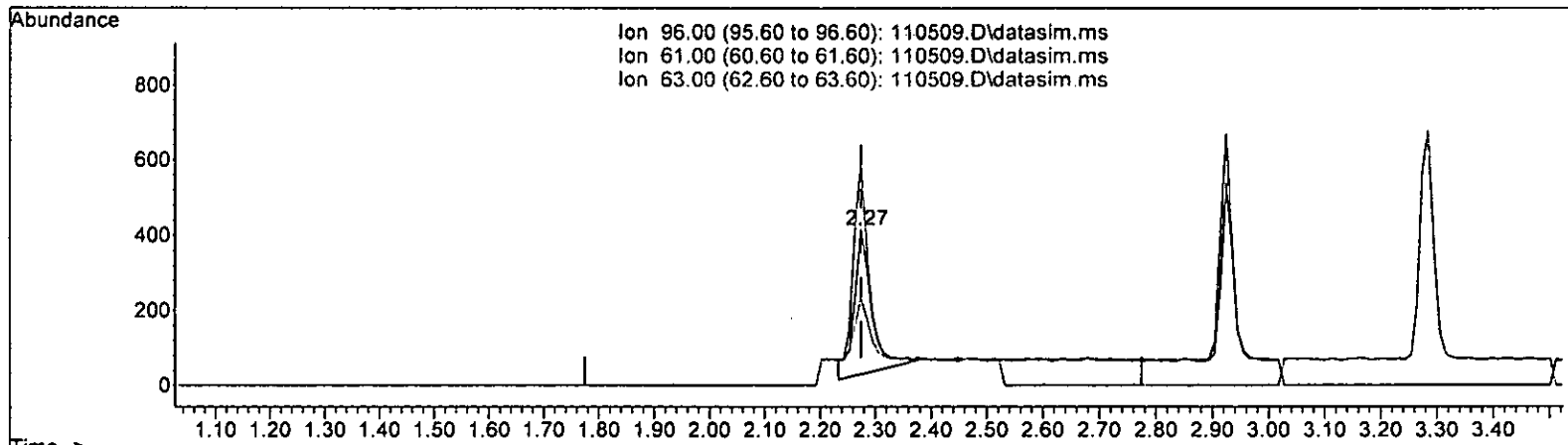
(9) Trichlorofluoromethane (TMP) ,
 1.837min (+ 0.010) 0.213 ppb m
 response 2591

Ion	Exp%	Act%
100.90	100.00	100.00
102.90	65.30	44.94
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110509.D
 Acq On : 05 Nov 2022 12:44 pm
 Operator : VM
 Sample : 0.2 ppb 8260 ICAL 67-177I
 Misc : soil/water
 ALS Vial : 5 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:15 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110509.D\data.ms

(12) 1,1-Dichloroethene (TMP)

2.274min (-0.001) 0.272 ppb

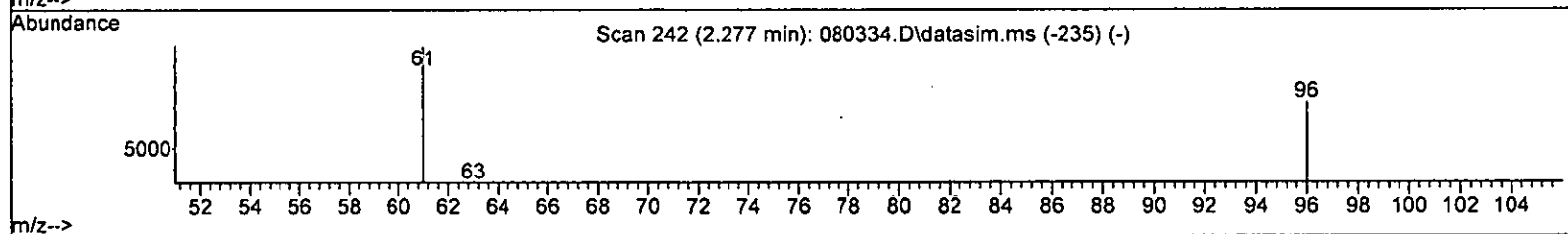
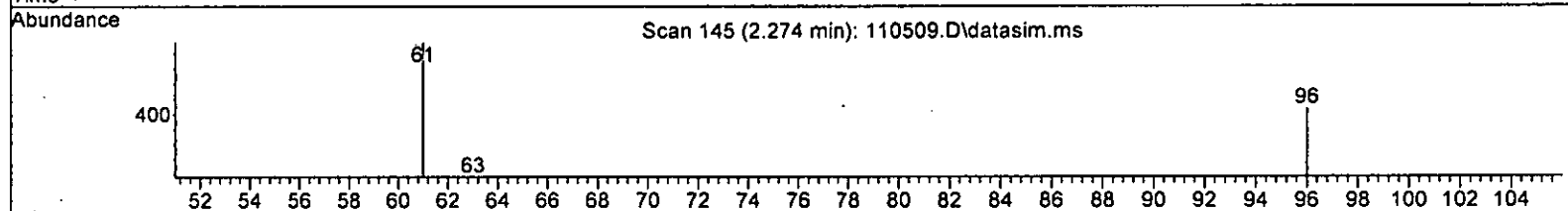
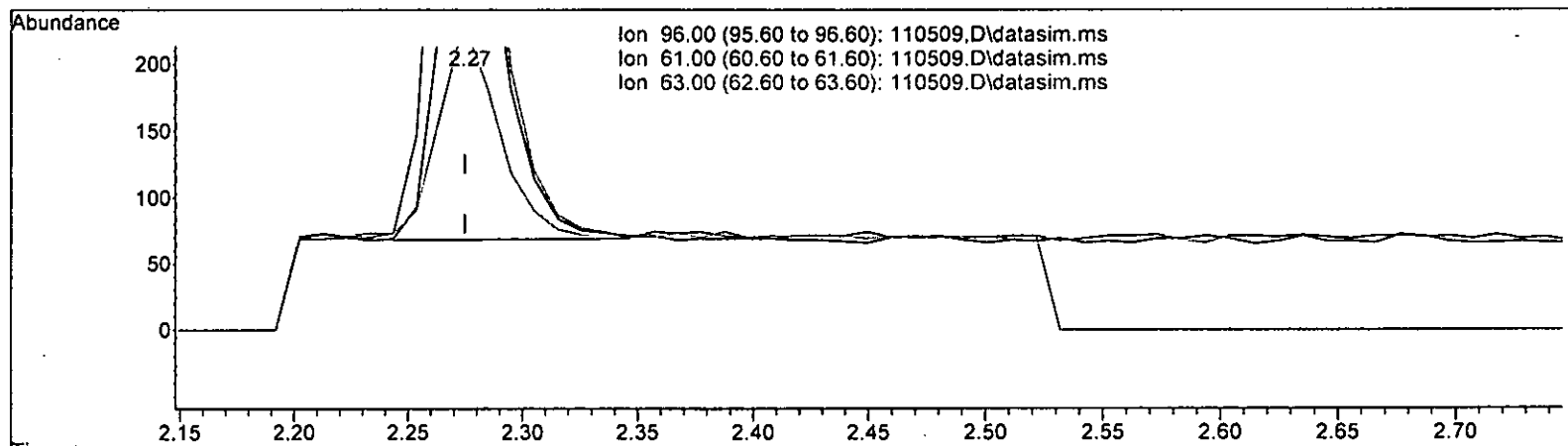
response 840

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	120.90	149.71
63.00	43.90	47.40
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110509.D
 Acq On : 05 Nov 2022 12:44 pm
 Operator : VM
 Sample : 0.2 ppb 8260 ICAL 67-177I
 Misc : soil/water
 ALS Vial : 5 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:15 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110509.D\data.ms

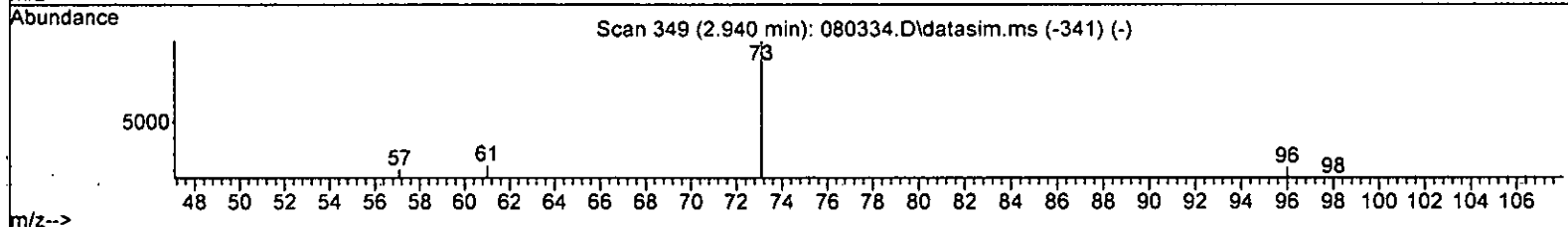
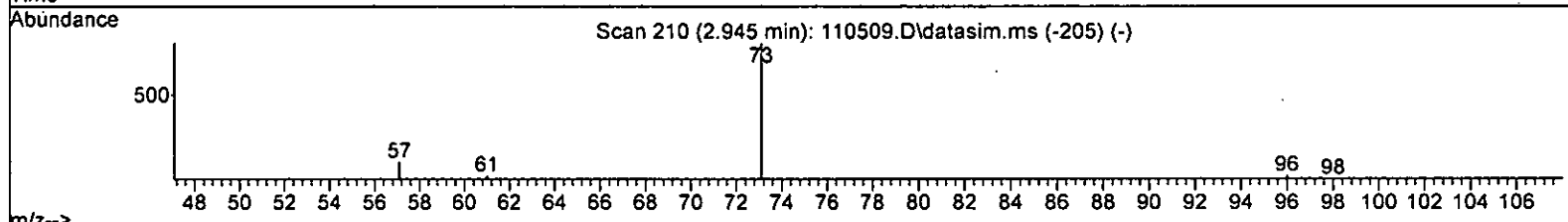
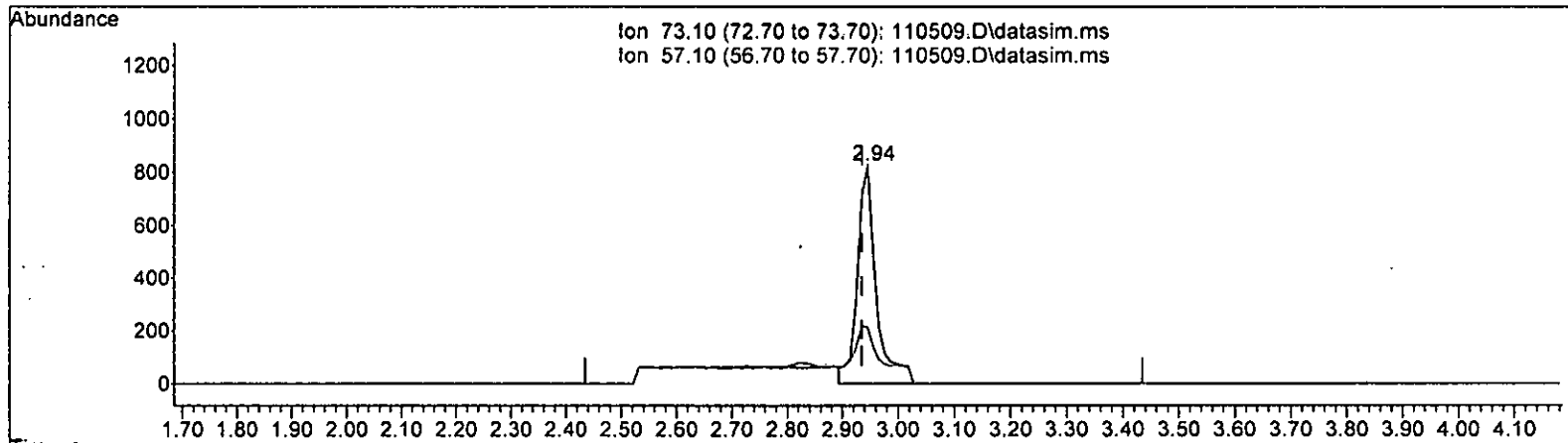
(12) 1,1-Dichloroethene (TMP)
 2.274min (-0.001) 0.196 ppb m

response	605	
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	120.90	142.03
63.00	43.90	56.52
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110509.D
 Acq On : 05 Nov 2022 12:44 pm
 Operator : VM
 Sample : 0.2 ppb 8260 ICAL 67-177I
 Misc : soil/water
 ALS Vial : 5 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:15 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110509.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

2.945min (+ 0.010) 0.264 ppb

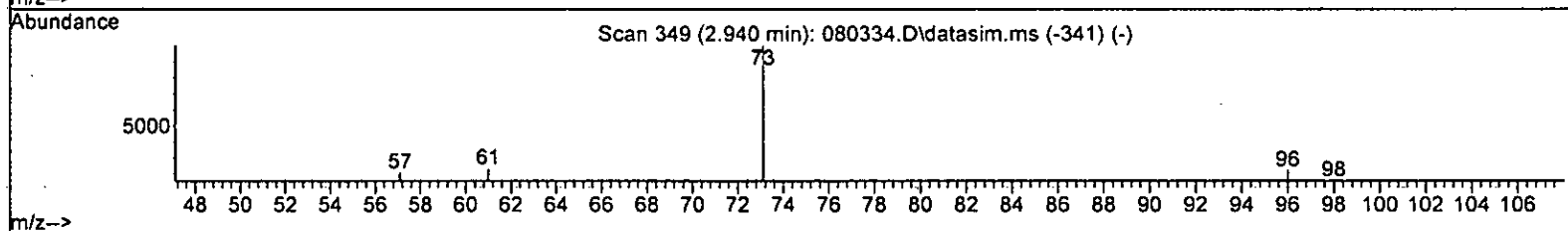
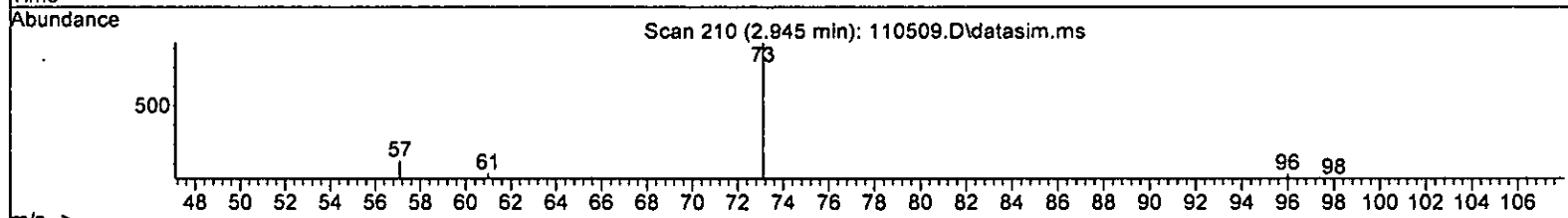
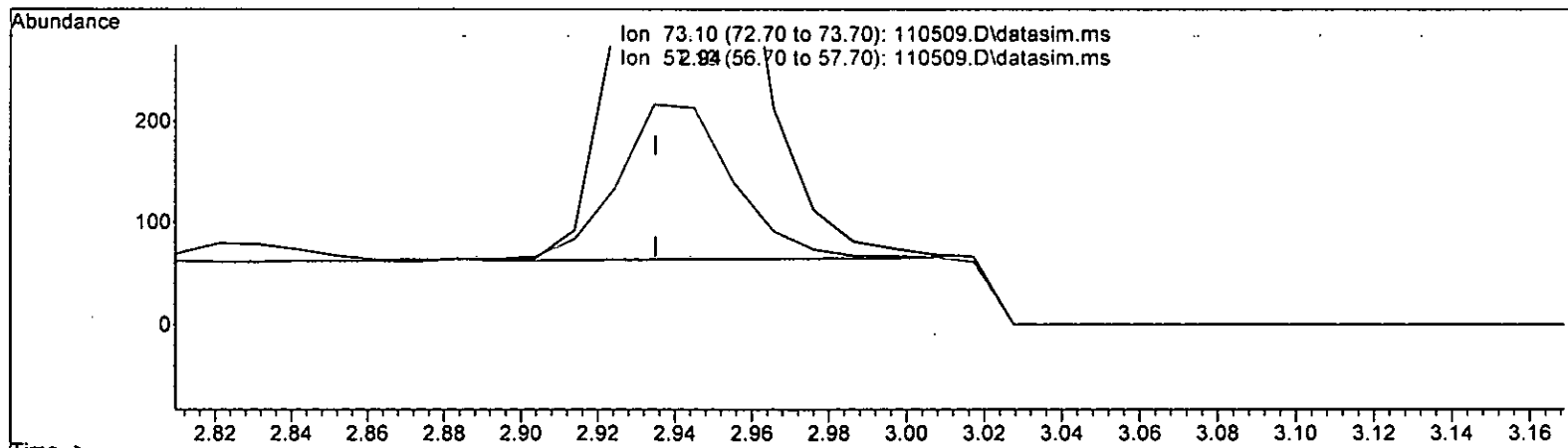
response 1907

Ion	Exp%	Act%
73.10	100.00	100.00
57.10	19.40	25.72
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110509.D
 Acq On : 05 Nov 2022 12:44 pm
 Operator : VM
 Sample : 0.2 ppb 8260 ICAL 67-177I
 Misc : soil/water
 ALS Vial : 5 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:15 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110509.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

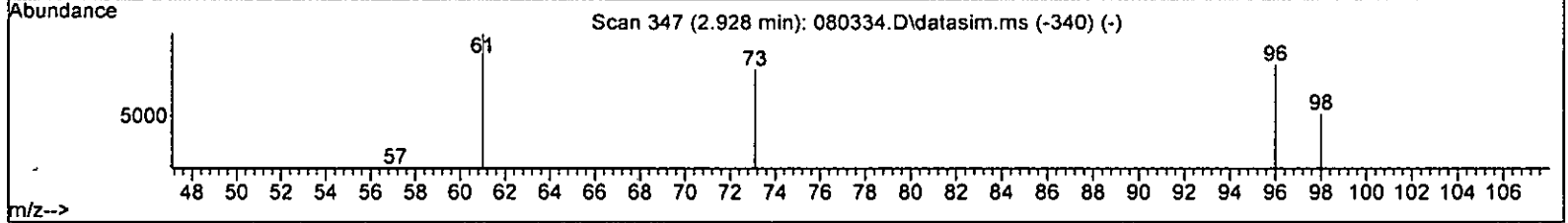
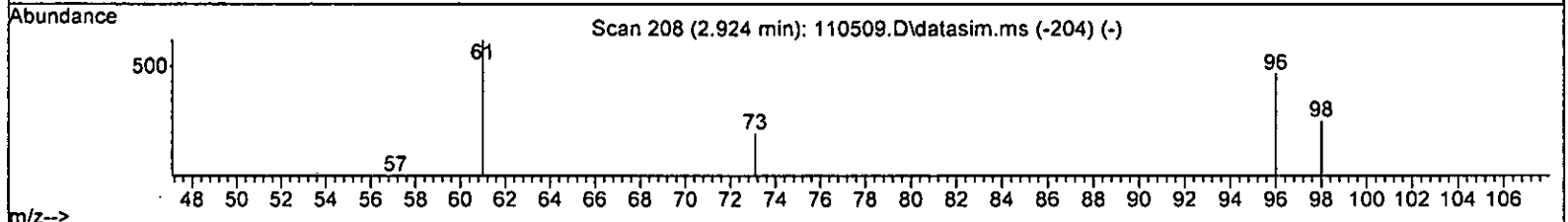
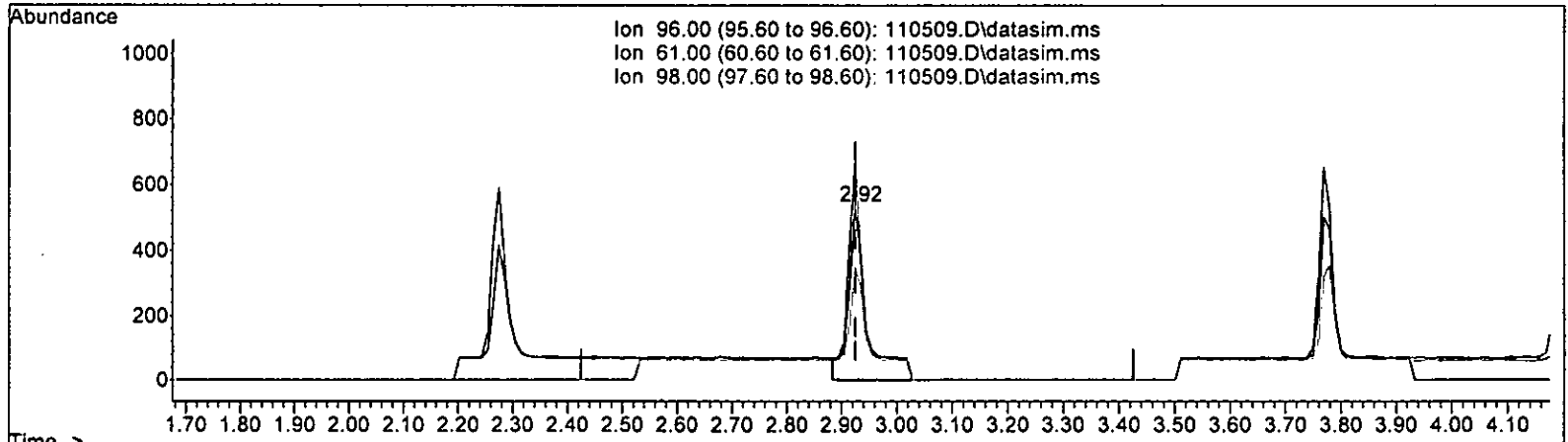
2.945min (+ 0.010) 0.199 ppb m

response	1434
Ion	Exp% Act%
73.10	100.00 100.00
57.10	19.40 25.72
0.00	0.00 0.00
0.00	0.00 0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110509.D
 Acq On : 05 Nov 2022 12:44 pm
 Operator : VM
 Sample : 0.2 ppb 8260 ICAL 67-177I
 Misc : soil/water
 ALS Vial : 5 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:15 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110509.D\data.ms

(17) trans-1,2-Dichloroethene (TMP)

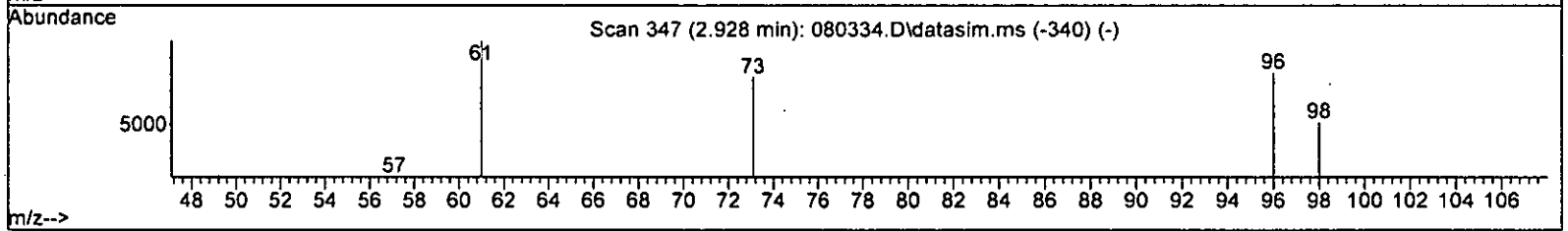
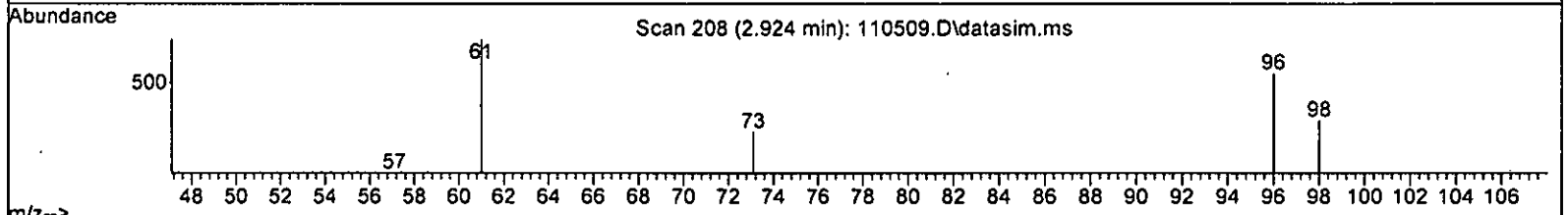
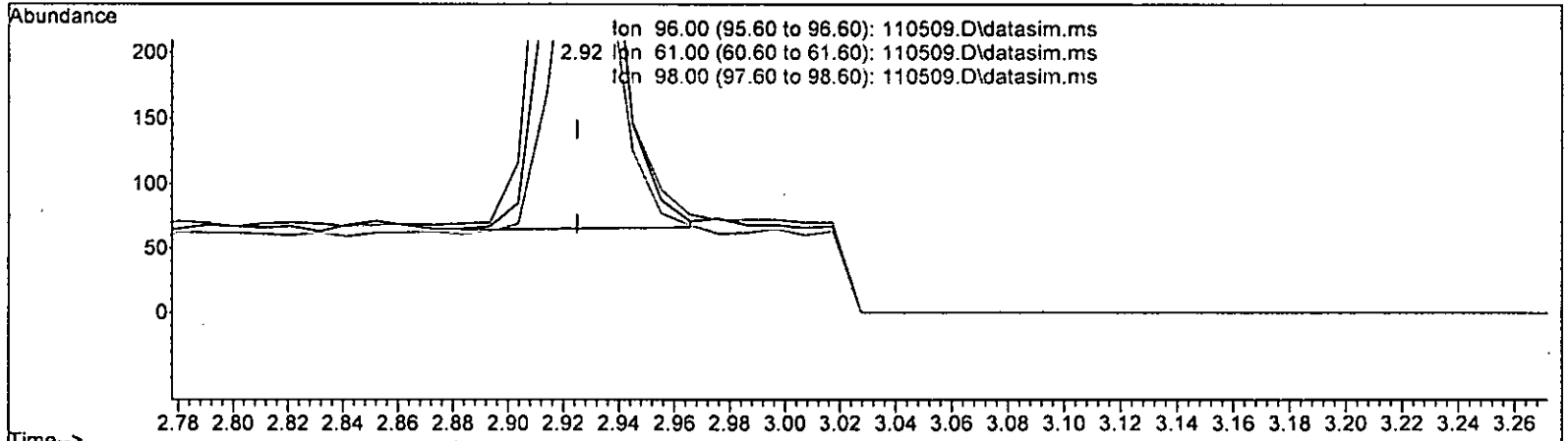
2.924min (-0.001) 0.354 ppb

response	1220	
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	108.70	125.42
98.00	67.30	64.67
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110509.D
 Acq On : 05 Nov 2022 12:44 pm
 Operator : VM
 Sample : 0.2 ppb 8260 ICAL 67-177I
 Misc : soil/water
 ALS Vial : 5 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:15 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110509.D\data.ms

(17) trans-1,2-Dichloroethene (TMP)

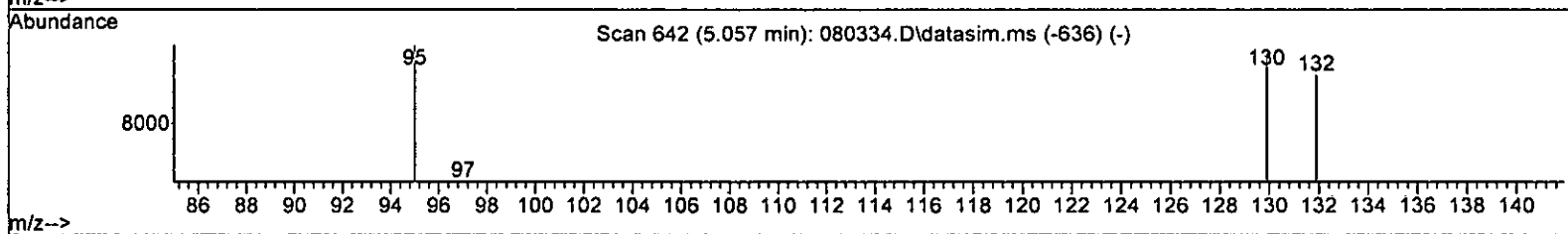
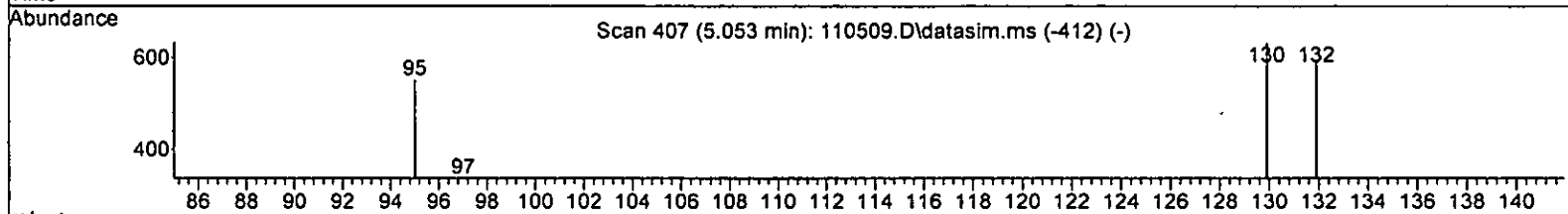
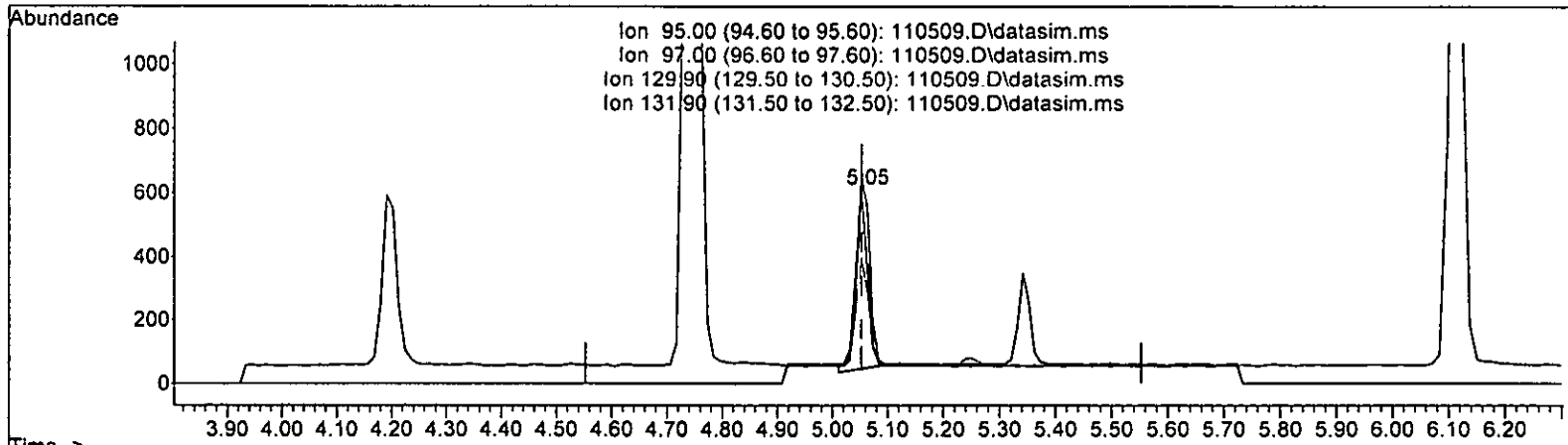
2.924min (-0.001) 0.199 ppb m

response	686	
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	108.70	125.42
98.00	67.30	64.67
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110509.D
 Acq On : 05 Nov 2022 12:44 pm
 Operator : VM
 Sample : 0.2 ppb 8260 ICAL 67-177I
 Misc : soil/water
 ALS Vial : 5 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:15 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



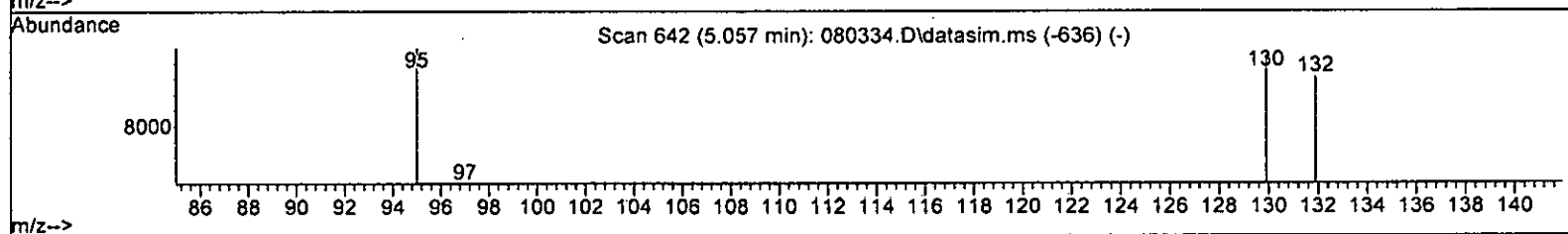
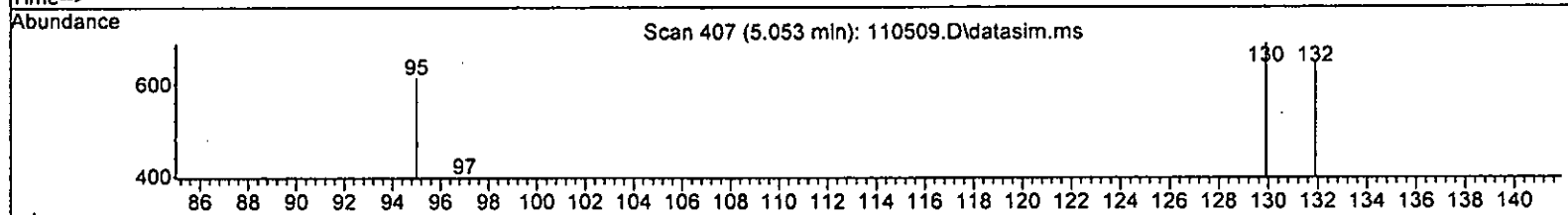
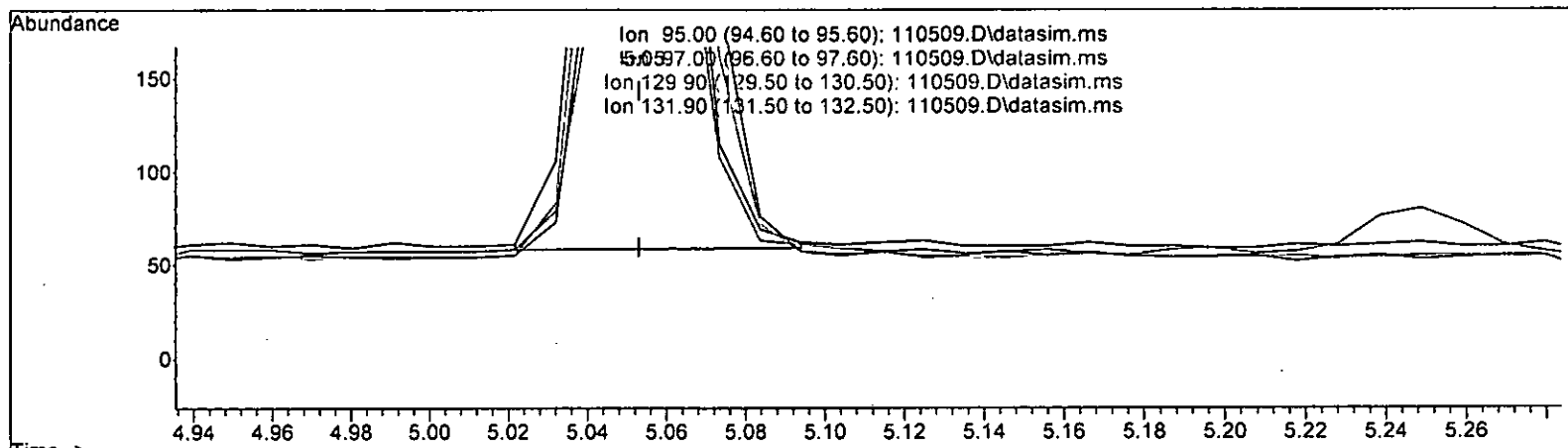
TIC: 110509.D\data.ms

(32) Trichloroethene (TME)		
5.053min (-0.000)	0.214 ppb	
response	849	
Ion	Exp%	Act%
95.00	100.00	100.00
97.00	64.60	61.41
129.90	103.40	114.86
131.90	95.80	107.25

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110509.D
 Acq On : 05 Nov 2022 12:44 pm
 Operator : VM
 Sample : 0.2 ppb 8260 ICAL 67-177I
 Misc : soil/water
 ALS Vial : 5 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:15 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110509.D\data.ms

(32) Trichloroethene (TMP)			
5.053min (-0.000) 0.197 ppb m			
response		782	
Ion	Exp%	Act%	
95.00	100.00	100.00	
97.00	64.60	64.71	
129.90	103.40	112.42	
131.90	95.80	105.56	

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110509.D
 Acq On : 05 Nov 2022 12:44 pm
 Operator : VM
 Sample : 0.2 ppb 8260 ICAL 67-177I
 Misc : soil/water
 ALS Vial : 5 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:15 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	4.75	96	108326	10.000	ppb	0.00	
39) Chlorobenzene-d5	7.40	117	89660	10.000	ppb	0.00	
56) 1,4-Dichlorobenzene-d4	9.62	152	50001	10.000	ppb	0.00	
System Monitoring Compounds							
3) Dibromofluoromethane	4.18	113	35002	10.076	ppb	0.00	
Spiked Amount	10.000	Range 50 - 150	Recovery	=	100.80%		
30) 1,2-Dichloroethane-d4	4.45	102	7026	10.436	ppb	0.00	
Spiked Amount	10.000	Range 84 - 120	Recovery	=	104.40%		
35) Toluene-d8	6.11	98	100698	9.747	ppb	0.00	
Spiked Amount	10.000	Range 73 - 128	Recovery	=	97.50%		
57) 4-Bromofluorobenzene	8.51	95	36151	10.493	ppb	0.00	
Spiked Amount	10.000	Range 57 - 146	Recovery	=	104.90%		
Target Compounds							
							Qvalue
2) Ethanol	2.33	45	224	No Calib			
4) Dichlorodifluoromethane	0.00		0	N.D.	d		
5) Chloromethane	0.00		0	N.D.	d		
6] Vinyl chloride	1.35	62	1032m	0.187	ppb		
7) Bromomethane	0.00		0	N.D.			
8) Chloroethane	0.00		0	N.D.	d		
9) Trichlorofluoromethane	1.84	101	2591m	0.213	ppb		
10) 2-Propanol	0.00		0	N.D.	d		
11) Acetone	0.00		0	N.D.	d		
12] 1,1-Dichloroethene	2.27	96	605m	0.196	ppb		
13) Hexane	0.00		0	N.D.	d		
14) Methylene chloride	0.00		0	N.D.	d		
15) t-Butyl alcohol (TBA)	0.00		0	N.D.	d		
16] Methyl t-butyl ether (...)	2.94	73	1434m	0.199	ppb		
17] trans-1,2-Dichloroethene	2.92	96	686m	0.199	ppb		
18) Diisopropyl ether (DIPE)	3.35	45	1833	0.243	ppb		93
19] 1,1-Dichloroethane	3.28	63	1021	0.203	ppb		95
20] Ethyl t-butyl ether (E...)	3.66	87	539	0.193	ppb	#	39
21) 2,2-Dichloropropane	3.77	77	717	0.240	ppb		48
22] cis-1,2-Dichloroethene	3.77	96	732	0.203	ppb		92
23) Chloroform	4.05	83	1270	0.218	ppb		78
24) 2-Butanone (MEK)	3.81	43	2219	1.386	ppb		94
25) t-Amyl methyl ether (T...)	4.61	73	1189	0.203	ppb		84
26] 1,2-Dichloroethane (EDC)	4.53	62	1041	0.198	ppb		97
27] 1,1,1-Trichloroethane	4.19	97	1020	0.195	ppb		89
28) 1,1-Dichloropropene	4.33	75	859	0.199	ppb		79
29) Carbon tetrachloride	4.33	117	1127	0.214	ppb		86
31] Benzene	4.50	78	2506	0.207	ppb		96
32] Trichloroethene	5.05	95	782m	0.197	ppb		
33) 1,2-Dichloropropane	5.24	63	676	0.259	ppb	#	88
34) Bromodichloromethane	5.48	83	755	0.180	ppb		89
36) Dibromomethane	5.35	93	583	0.245	ppb		94

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110509.D
 Acq On : 05 Nov 2022 12:44 pm
 Operator : VM
 Sample : 0.2 ppb 8260 ICAL 67-177I
 Misc : soil/water
 ALS Vial : 5 Sample Multiplier: 1
 InstName : GCMS13

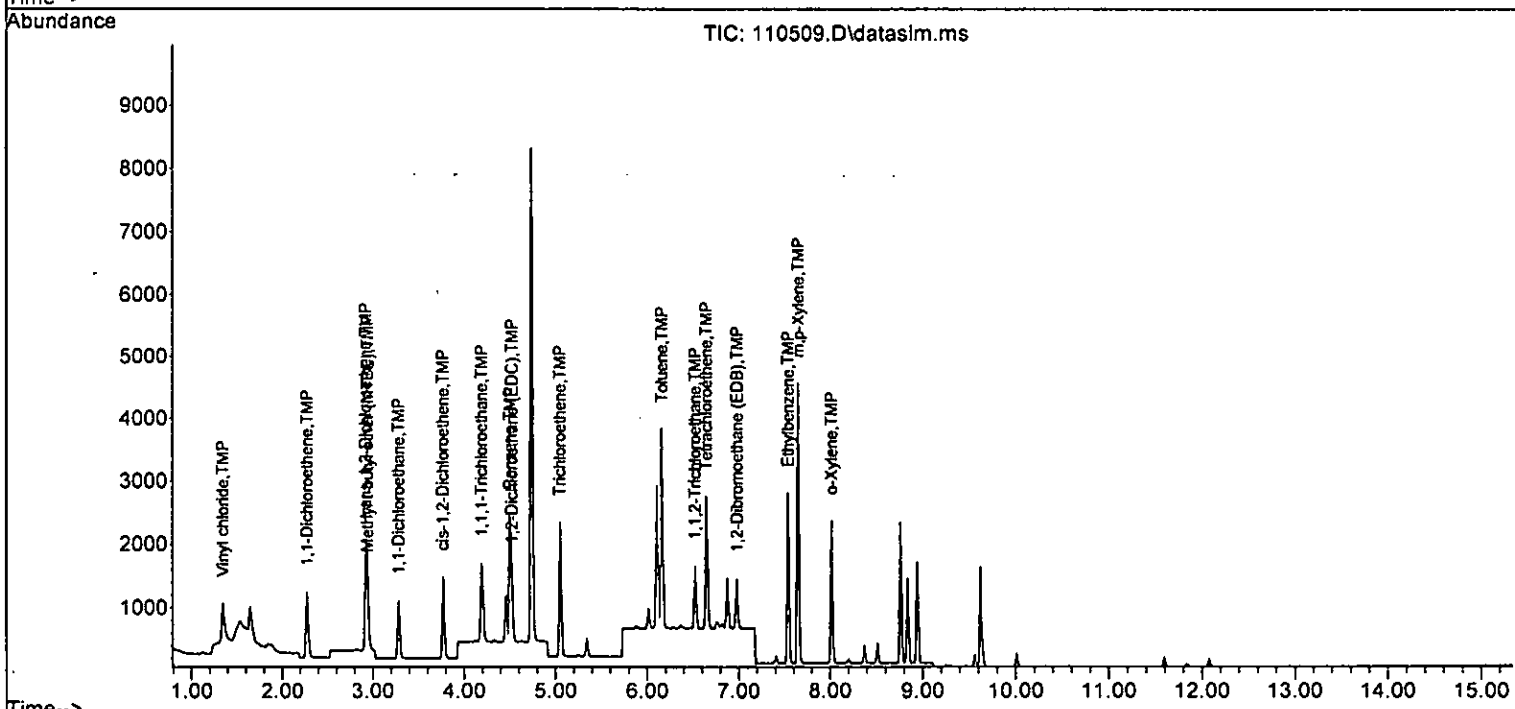
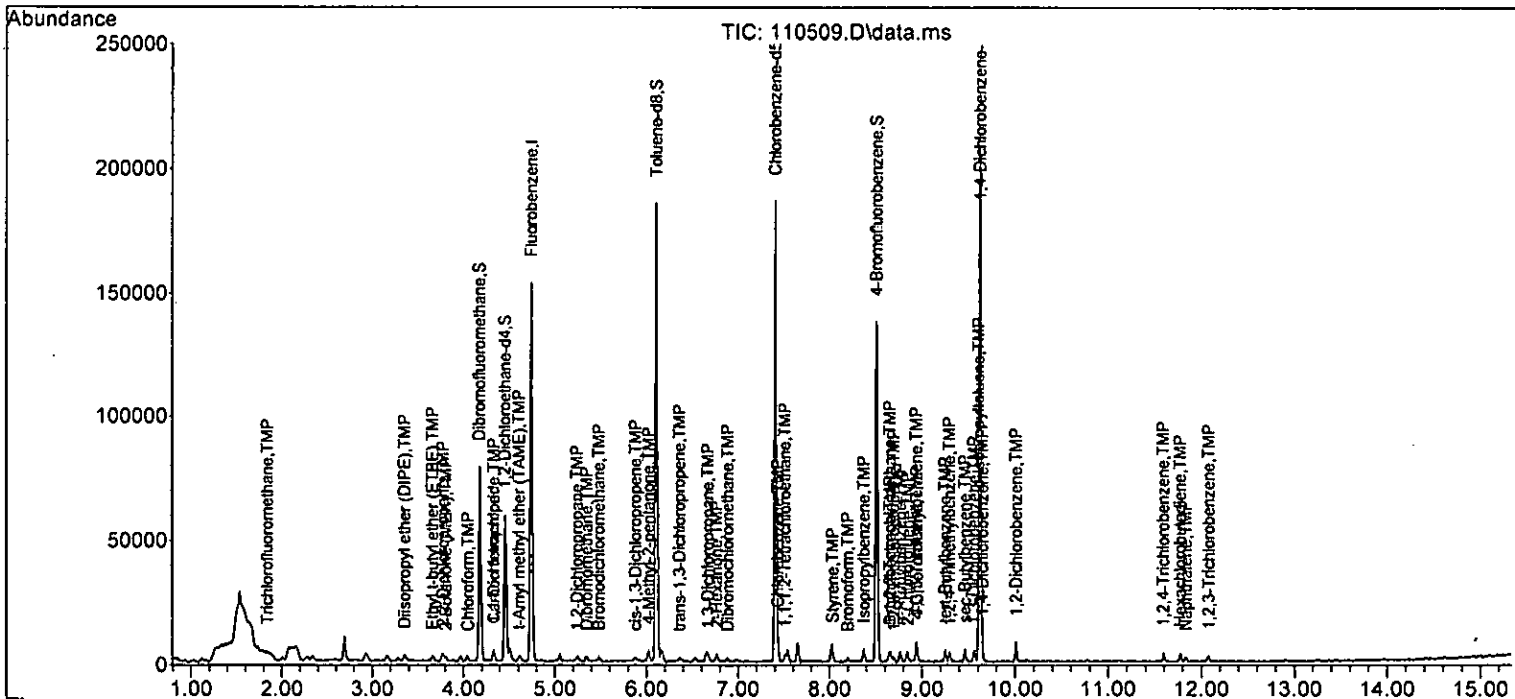
Quant Time: Nov 07 15:17:15 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	6.02	85	420	0.914	ppb #	1
38) cis-1,3-Dichloropropene	5.88	75	820	0.210	ppb	73
40] Toluene	6.16	92	1643	0.212	ppb	99
41) trans-1,3-Dichloropropene	6.36	75	859	0.279	ppb	94
42] 1,1,2-Trichloroethane	6.53	83	511	0.206	ppb	95
43) 2-Hexanone	6.76	43	1849	1.088	ppb	96
44) 1,3-Dichloropropane	6.67	76	1020	0.249	ppb	94
45] Tetrachloroethene	6.65	164	788	0.203	ppb	97
46) Dibromochloromethane	6.89	129	1070	0.251	ppb	73
47] 1,2-Dibromoethane (EDB)	6.98	107	613	0.190	ppb	97
48) Chlorobenzene	7.43	112	1897	0.213	ppb	95
49] Ethylbenzene	7.54	91	2762	0.198	ppb	96
50) 1,1,1,2-Tetrachloroethane	7.51	131	690	0.199	ppb	97
51] m,p-Xylene	7.65	106	2123	0.387	ppb	91
52] o-Xylene	8.02	106	1027	0.194	ppb	92
53) Styrene	8.03	104	1723	0.217	ppb	93
54) Isopropylbenzene	8.37	105	2623	0.204	ppb	90
55) Bromoform	8.20	173	538	0.201	ppb	74
58) n-Propylbenzene	8.77	91	2749	0.204	ppb	94
59) Bromobenzene	8.65	156	982	0.235	ppb #	74
60) 1,3,5-Trimethylbenzene	8.94	105	2027	0.206	ppb	100
61) 1,1,2,2-Tetrachloroethane	8.65	83	827	0.185	ppb	87
62) 1,2,3-Trichloropropane	8.70	75	573	0.236	ppb	70
63) 2-Chlorotoluene	8.84	91	1744	0.216	ppb	74
64) 4-Chlorotoluene	8.95	91	2246	0.235	ppb	88
65) tert-Butylbenzene	9.25	119	2127	0.218	ppb	97
66) 1,2,4-Trimethylbenzene	9.30	105	2025	0.203	ppb	85
67) sec-Butylbenzene	9.46	105	2706	0.206	ppb	93
68) p-Isopropyltoluene	9.61	119	2232	0.187	ppb	94
69) 1,3-Dichlorobenzene	9.56	146	1761	0.230	ppb	86
70) 1,4-Dichlorobenzene	9.65	146	1879	0.240	ppb	74
71) 1,2-Dichlorobenzene	10.01	146	1614	0.222	ppb	93
72) 1,2-Dibromo-3-chloropr...	0.00		0	N.D.	d	
73) 1,2,4-Trichlorobenzene	11.59	180	1104	0.228	ppb	88
74) Hexachlorobutadiene	11.77	225	687	0.229	ppb	91
75) Naphthalene	11.83	128	1648	0.256	ppb	96
76) 1,2,3-Trichlorobenzene	12.08	180	778	0.184	ppb	92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110509.D
 Acq On : 05 Nov 2022 12:44 pm
 Operator : VM
 Sample : 0.2 ppb 8260 ICAL 67-1771
 Misc : soil/water
 ALS Vial : 5 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:15 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110509.D
 Acq On : 05 Nov 2022 12:44 pm
 Operator : VM
 Sample : 0.2 ppb 8260 ICAL 67-177I
 Misc : soil/water
 ALS Vial : 5 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:15 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I Fluorobenzene	10.000	10.000	0.0	100	0.00
2 TMP Ethanol	-1.000	0.000	0.0	0	0.00
3 S Dibromofluoromethane	10.000	10.076	-0.8	100	0.00
4 TMP Dichlorodifluoromethane	-1.000	0.000	0.0	0	-1.12#
5 TMP Chloromethane	-1.000	0.000	0.0	0	-1.26#
6 TMP Vinyl chloride	0.200	0.187	6.5	95	0.01
7 TMP Bromomethane	-1.000	0.000	0.0	0	-1.58#
8 TMP Chloroethane	-1.000	0.000	0.0	0	-1.65#
9 TMP Trichlorofluoromethane	0.200	0.213	-6.5	100	0.01
10 TMP 2-Propanol	-1.000	0.000	0.0	0	-2.33#
11 TMP Acetone	-1.000	0.000	0.0	0	-2.33#
12 TMP 1,1-Dichloroethene	0.200	0.196	2.0	95	0.00
13 TMP Hexane	-1.000	0.000	0.0	0	-3.16#
14 TMP Methylene chloride	-1.000	0.000	0.0	0	-2.68#
15 TMP t-Butyl alcohol (TBA)	-1.000	0.000	0.0	0	-2.82#
16 TMP Methyl t-butyl ether (MTBE)	0.200	0.199	0.5	100	0.00
17 TMP trans-1,2-Dichloroethene	0.200	0.199	0.5	97	0.00
18 TMP Diisopropyl ether (DIPE)	0.200	0.243	-21.5#	100	0.00
19 TMP 1,1-Dichloroethane	0.200	0.203	-1.5	100	0.00
20 TMP Ethyl t-butyl ether (ETBE)	0.200	0.193	3.5	100	0.00
21 TMP 2,2-Dichloropropane	0.200	0.240	-20.0	100	0.00
22 TMP cis-1,2-Dichloroethene	0.200	0.203	-1.5	100	0.00
23 TMP Chloroform	0.200	0.218	-9.0	100	0.01
24 TMP 2-Butanone (MEK)	1.000	1.386	-38.6#	102	0.01
25 TMP t-Amyl methyl ether (TAME)	0.200	0.203	-1.5	100	0.00
26 TMP 1,2-Dichloroethane (EDC)	0.200	0.198	1.0	104	0.00
27 TMP 1,1,1-Trichloroethane	0.200	0.195	2.5	100	0.00
28 TMP 1,1-Dichloropropene	0.200	0.199	0.5	100	0.00
29 TMP Carbon tetrachloride	0.200	0.214	-7.0	100	0.00
30 S 1,2-Dichloroethane-d4	10.000	10.436	-4.4	100	0.00
31 TMP Benzene	0.200	0.207	-3.5	100	0.00
32 TMP Trichloroethene	0.200	0.197	1.5	96	0.00
33 TMP 1,2-Dichloropropane	0.200	0.259	-29.5#	100	0.00
34 TMP Bromodichloromethane	0.200	0.180	10.0	100	0.00
35 S Toluene-d8	10.000	9.747	2.5	100	0.00
36 TMP Dibromomethane	0.200	0.245	-22.5#	100	0.00
37 TMP 4-Methyl-2-pentanone	1.000	0.914	8.6	100	0.00
38 TMP cis-1,3-Dichloropropene	0.200	0.210	-5.0	100	0.00
39 I Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40 TMP Toluene	0.200	0.212	-6.0	100	0.00
41 TMP trans-1,3-Dichloropropene	0.200	0.279	-39.5#	100	0.00
42 TMP 1,1,2-Trichloroethane	0.200	0.206	-3.0	100	0.00
43 TMP 2-Hexanone	1.000	1.088	-8.8	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110509.D
 Acq On : 05 Nov 2022 12:44 pm
 Operator : VM
 Sample : 0.2 ppb 8260 ICAL 67-177I
 Misc : soil/water
 ALS Vial : 5 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:15 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.200	0.249	-24.5#	100	-0.01
45 TMP Tetrachloroethene	0.200	0.203	-1.5	100	0.00
46 TMP Dibromochloromethane	0.200	0.251	-25.5#	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	0.200	0.190	5.0	100	0.00
48 TMP Chlorobenzene	0.200	0.213	-6.5	100	0.00
49 TMP Ethylbenzene	0.200	0.198	1.0	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.200	0.199	0.5	100	0.00
51 TMP m,p-Xylene	0.400	0.387	3.3	100	0.00
52 TMP o-Xylene	0.200	0.194	3.0	100	0.00
53 TMP Styrene	0.200	0.217	-8.5	100	0.00
54 TMP Isopropylbenzene	0.200	0.204	-2.0	100	0.00
55 TMP Bromoform	0.200	0.201	-0.5	100	0.00
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	10.000	10.493	-4.9	100	0.00
58 TMP n-Propylbenzene	0.200	0.204	-2.0	100	0.00
59 TMP Bromobenzene	0.200	0.235	-17.5	100	0.00
60 TMP 1,3,5-Trimethylbenzene	0.200	0.206	-3.0	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.200	0.185	7.5	100	0.00
62 TMP 1,2,3-Trichloropropane	0.200	0.236	-18.0	100	0.00
63 TMP 2-Chlorotoluene	0.200	0.216	-8.0	100	0.00
64 TMP 4-Chlorotoluene	0.200	0.235	-17.5	100	0.00
65 TMP tert-Butylbenzene	0.200	0.218	-9.0	100	0.00
66 TMP 1,2,4-Trimethylbenzene	0.200	0.203	-1.5	100	0.00
67 TMP sec-Butylbenzene	0.200	0.206	-3.0	100	0.00
68 TMP p-Isopropyltoluene	0.200	0.187	6.5	100	0.00
69 TMP 1,3-Dichlorobenzene	0.200	0.230	-15.0	100	0.00
70 TMP 1,4-Dichlorobenzene	0.200	0.240	-20.0	100	0.00
71 TMP 1,2-Dichlorobenzene	0.200	0.222	-11.0	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	-1.000	0.000	0.0	0	-10.78#
73 TMP 1,2,4-Trichlorobenzene	0.200	0.228	-14.0	100	0.00
74 TMP Hexachlorobutadiene	0.200	0.229	-14.5	100	0.00
75 TMP Naphthalene	0.200	0.256	-28.0#	100	0.00
76 TMP 1,2,3-Trichlorobenzene	0.200	0.184	8.0	100	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110509.D
 Acq On : 05 Nov 2022 12:44 pm
 Operator : VM
 Sample : 0.2 ppb 8260 ICAL 67-177I
 Misc : soil/water
 ALS Vial : 5 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:15 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2 TMP	Ethanol	0.000	0.000#	0.0	0#	0.00
3 S	Dibromofluoromethane	0.321	0.323	-0.6	100	0.00
4 TMP	Dichlorodifluoromethane	0.800	0.000#	100.0#	0#	-1.12#
5 TMP	Chloromethane	0.488	0.000#	100.0#	0#	-1.26#
6 TMP	Vinyl chloride	0.510	0.476	6.7	95	0.01
7 TMP	Bromomethane	0.432	0.000#	100.0#	0#	-1.58#
8 TMP	Chloroethane	0.229	0.000#	100.0#	0#	-1.65#
9 TMP	Trichlorofluoromethane	1.123	1.196	-6.5	100	0.01
10 TMP	2-Propanol	0.000	0.000	0.0	0#	-2.33#
11 TMP	Acetone	0.029	0.000#	100.0#	0#	-2.33#
12 TMP	1,1-Dichloroethene	0.285	0.279	2.1	95	0.00
13 TMP	Hexane	0.323	0.000#	100.0#	0#	-3.16#
14 TMP	Methylene chloride	0.289	0.000#	100.0#	0#	-2.68#
15 TMP	t-Butyl alcohol (TBA)	0.024	0.000#	100.0#	0#	-2.82#
16 TMP	Methyl t-butyl ether (MTBE)	0.666	0.662	0.6	100	0.00
17 TMP	trans-1,2-Dichloroethene	0.318	0.317	0.3	97	0.00
18 TMP	Diisopropyl ether (DIPE)	0.698	0.846	-21.2#	100	0.00
19 TMP	1,1-Dichloroethane	0.463	0.471	-1.7	100	0.00
20 TMP	Ethyl t-butyl ether (ETBE)	0.258	0.249	3.5	100	0.00
21 TMP	2,2-Dichloropropane	0.258	0.331	-28.3#	100	0.00
22 TMP	cis-1,2-Dichloroethene	0.333	0.338	-1.5	100	0.00
23 TMP	Chloroform	0.539	0.586	-8.7	100	0.01
24 TMP	2-Butanone (MEK)	0.132	0.205	-55.3#	102	0.01
25 TMP	t-Amyl methyl ether (TAME)	0.540	0.549	-1.7	100	0.00
26 TMP	1,2-Dichloroethane (EDC)	0.465	0.480	-3.2	104	0.00
27 TMP	1,1,1-Trichloroethane	0.482	0.471	2.3	100	0.00
28 TMP	1,1-Dichloropropene	0.370	0.396	-7.0	100	0.00
29 TMP	Carbon tetrachloride	0.485	0.520	-7.2	100	0.00
30 S	1,2-Dichloroethane-d4	0.062	0.065	-4.8	100	0.00
31 TMP	Benzene	1.118	1.157	-3.5	100	0.00
32 TMP	Trichloroethene	0.367	0.361	1.6	96	0.00
33 TMP	1,2-Dichloropropane	0.241	0.312	-29.5#	100	0.00
34 TMP	Bromodichloromethane	0.387	0.348	10.1	100	0.00
35 S	Toluene-d8	0.954	0.930	2.5	100	0.00
36 TMP	Dibromomethane	0.219	0.269	-22.8#	100	0.00
37 TMP	4-Methyl-2-pentanone	0.042	0.039	7.1	100	0.00
38 TMP	cis-1,3-Dichloropropene	0.360	0.378	-5.0	100	0.00
39 I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40 TMP	Toluene	0.907	0.916	-1.0	100	0.00
41 TMP	trans-1,3-Dichloropropene	0.366	0.479	-30.9#	100	0.00
42 TMP	1,1,2-Trichloroethane	0.285	0.285	0.0	100	0.00
43 TMP	2-Hexanone	0.190	0.206	-8.4	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110509.D
 Acq On : 05 Nov 2022 12:44 pm
 Operator : VM
 Sample : 0.2 ppb 8260 ICAL 67-177I
 Misc : soil/water
 ALS Vial : 5 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:15 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.457	0.569	-24.5#	100	-0.01
45 TMP Tetrachloroethene	0.460	0.439	4.6	100	0.00
46 TMP Dibromochloromethane	0.451	0.597	-32.4#	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	0.360	0.342	5.0	100	0.00
48 TMP Chlorobenzene	0.993	1.058	-6.5	100	0.00
49 TMP Ethylbenzene	1.557	1.540	1.1	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.387	0.385	0.5	100	0.00
51 TMP m,p-Xylene	0.612	0.592	3.3	100	0.00
52 TMP o-Xylene	0.591	0.573	3.0	100	0.00
53 TMP Styrene	0.887	0.961	-8.3	100	0.00
54 TMP Isopropylbenzene	1.435	1.463	-2.0	100	0.00
55 TMP Bromoform	0.299	0.300	-0.3	100	0.00
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	0.689	0.723	-4.9	100	0.00
58 TMP n-Propylbenzene	2.700	2.749	-1.8	100	0.00
59 TMP Bromobenzene	0.837	0.982	-17.3	100	0.00
60 TMP 1,3,5-Trimethylbenzene	1.968	2.027	-3.0	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.626	0.827	-32.1#	100	0.00
62 TMP 1,2,3-Trichloropropane	0.486	0.573	-17.9	100	0.00
63 TMP 2-Chlorotoluene	1.617	1.744	-7.9	100	0.00
64 TMP 4-Chlorotoluene	1.912	2.246	-17.5	100	0.00
65 TMP tert-Butylbenzene	1.952	2.127	-9.0	100	0.00
66 TMP 1,2,4-Trimethylbenzene	1.996	2.025	-1.5	100	0.00
67 TMP sec-Butylbenzene	2.624	2.706	-3.1	100	0.00
68 TMP p-Isopropyltoluene	2.387	2.232	6.5	100	0.00
69 TMP 1,3-Dichlorobenzene	1.530	1.761	-15.1	100	0.00
70 TMP 1,4-Dichlorobenzene	1.564	1.879	-20.1#	100	0.00
71 TMP 1,2-Dichlorobenzene	1.455	1.614	-10.9	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	0.108	0.000#	100.0#	0#	-10.78#
73 TMP 1,2,4-Trichlorobenzene	0.971	1.104	-13.7	100	0.00
74 TMP Hexachlorobutadiene	0.600	0.687	-14.5	100	0.00
75 TMP Naphthalene	1.833	1.648	10.1	100	0.00
76 TMP 1,2,3-Trichlorobenzene	0.846	0.778	8.0	100	0.00

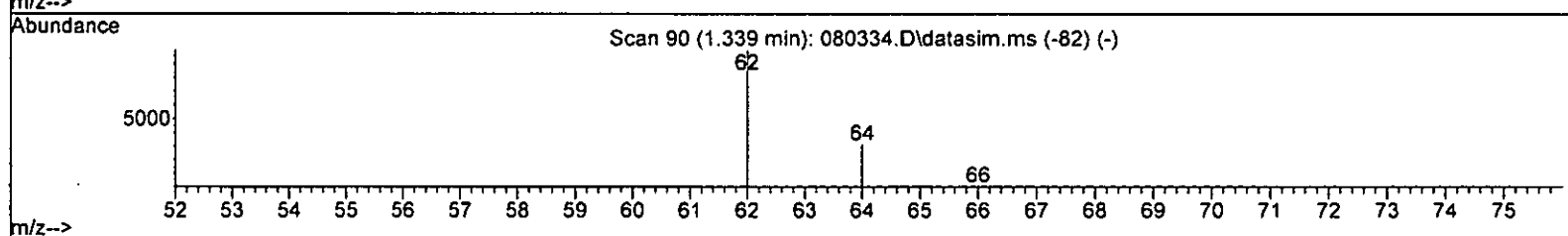
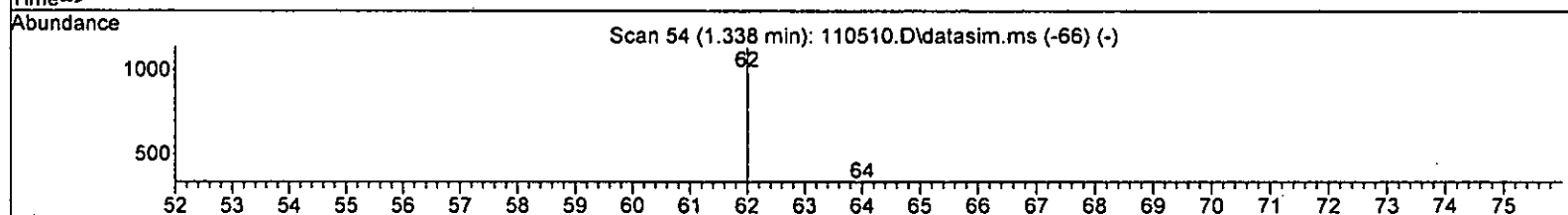
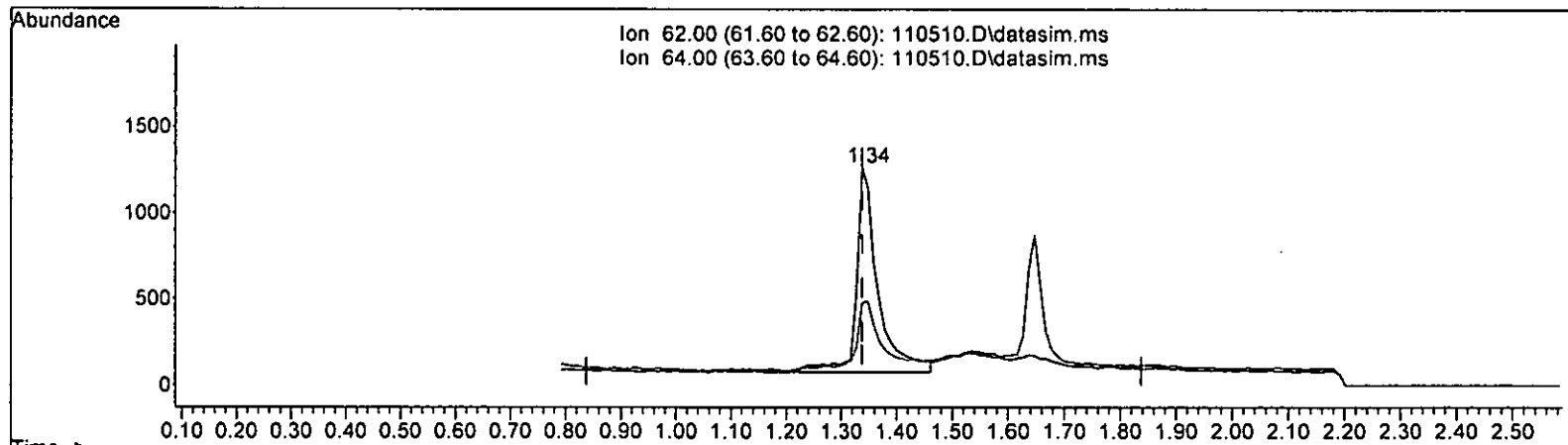
(#) = Out of Range

SPCC's out = 10 CCC's out = 0

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110510.D
 Acq On : 05 Nov 2022 01:07 pm
 Operator : VM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:17 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110510.D\data.ms

(6) Vinyl chloride (TMP)

1.338min (+ 0.000) 0.555 ppb

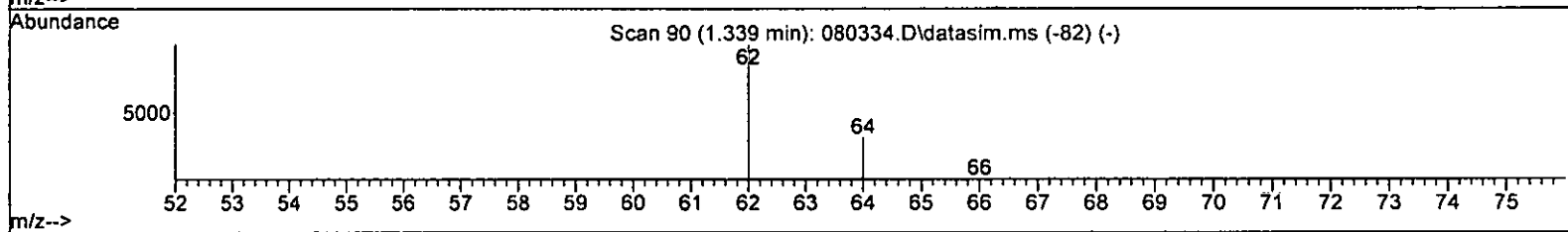
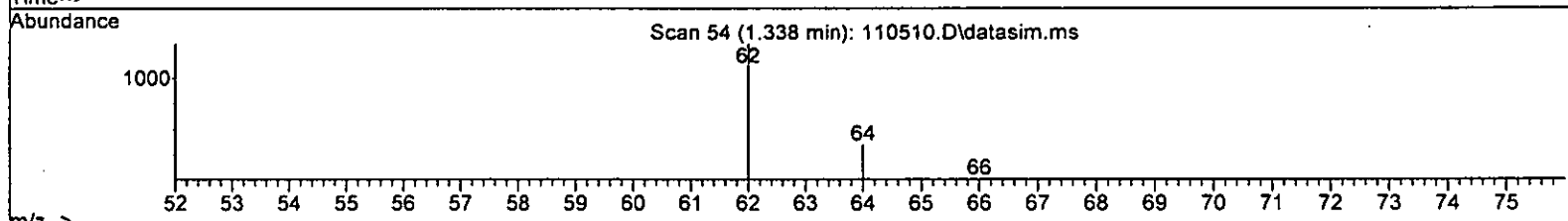
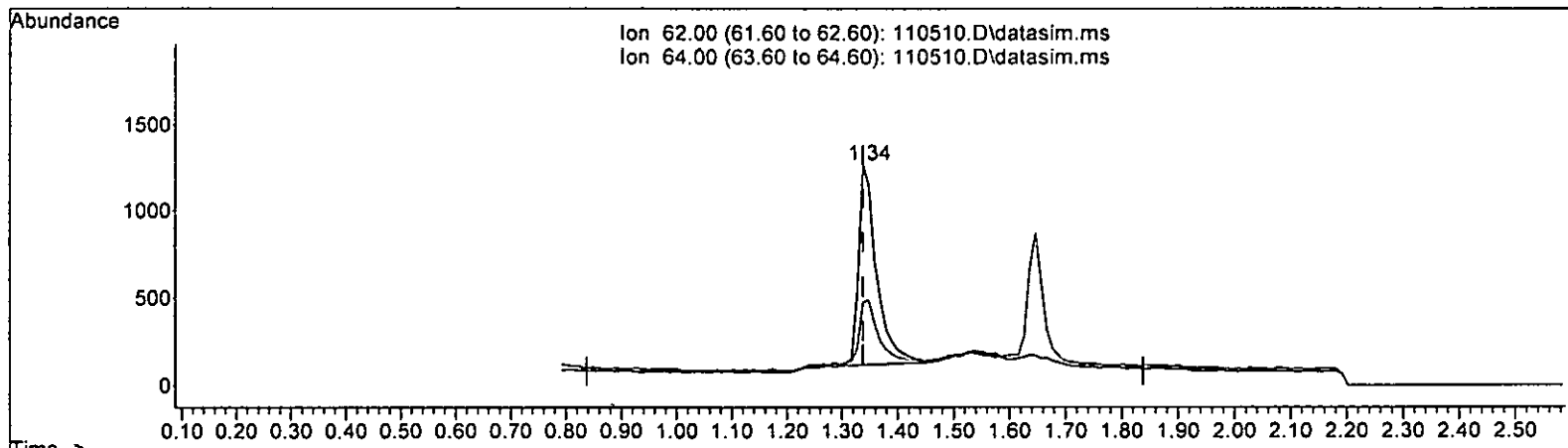
response 3158

Ion	Exp%	Act%
62.00	100.00	100.00
64.00	34.40	32.61
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110510.D
 Acq On : 05 Nov 2022 01:07 pm
 Operator : VM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:17 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110510.D\data.ms

(6) Vinyl chloride (TMP)

1.338min (+ 0.000) 0.451 ppb m

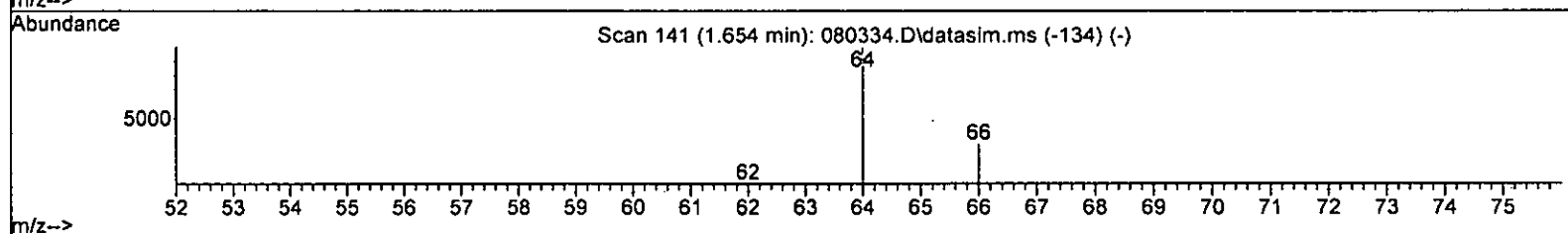
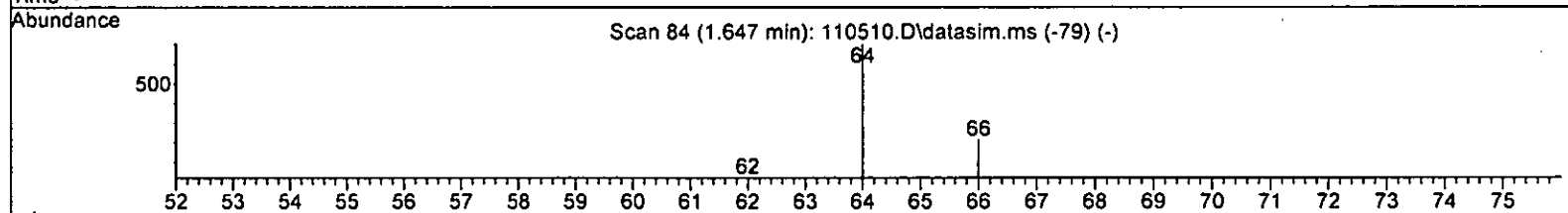
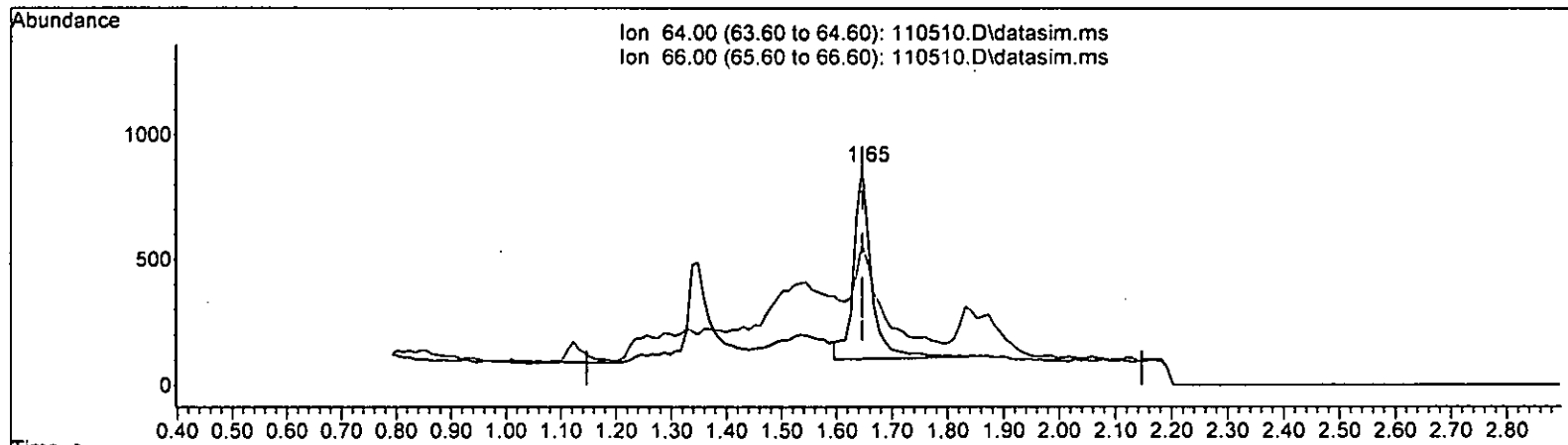
response 2566

Ion	Exp%	Act%
62.00	100.00	100.00
64.00	34.40	37.62
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110510.D
 Acq On : 05 Nov 2022 01:07 pm
 Operator : VM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:17 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110510.D\data.ms

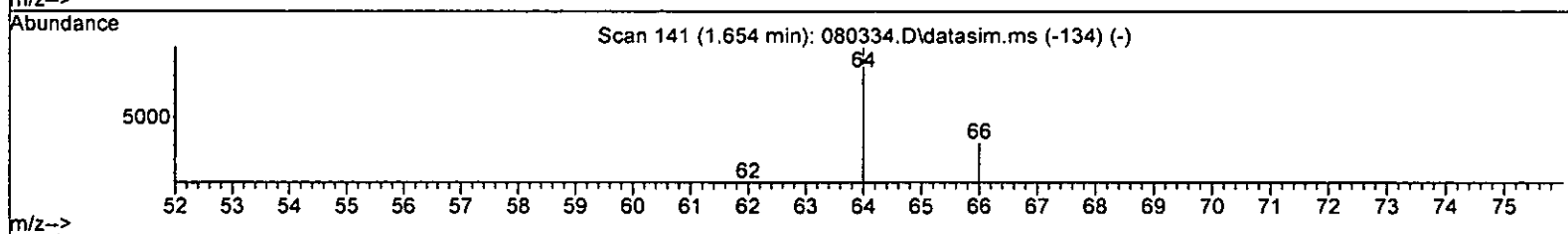
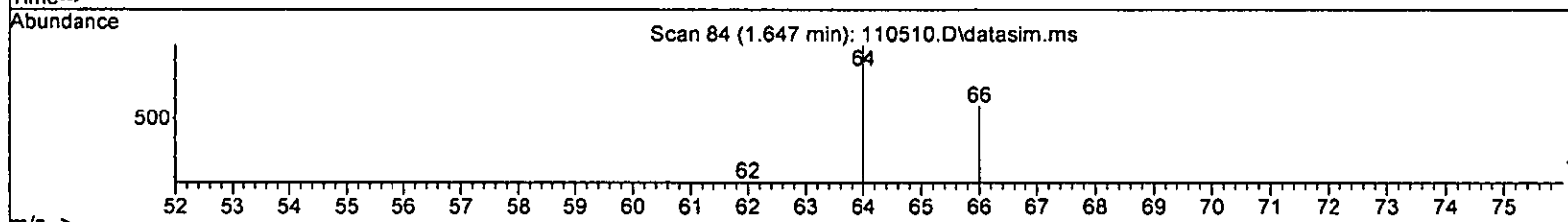
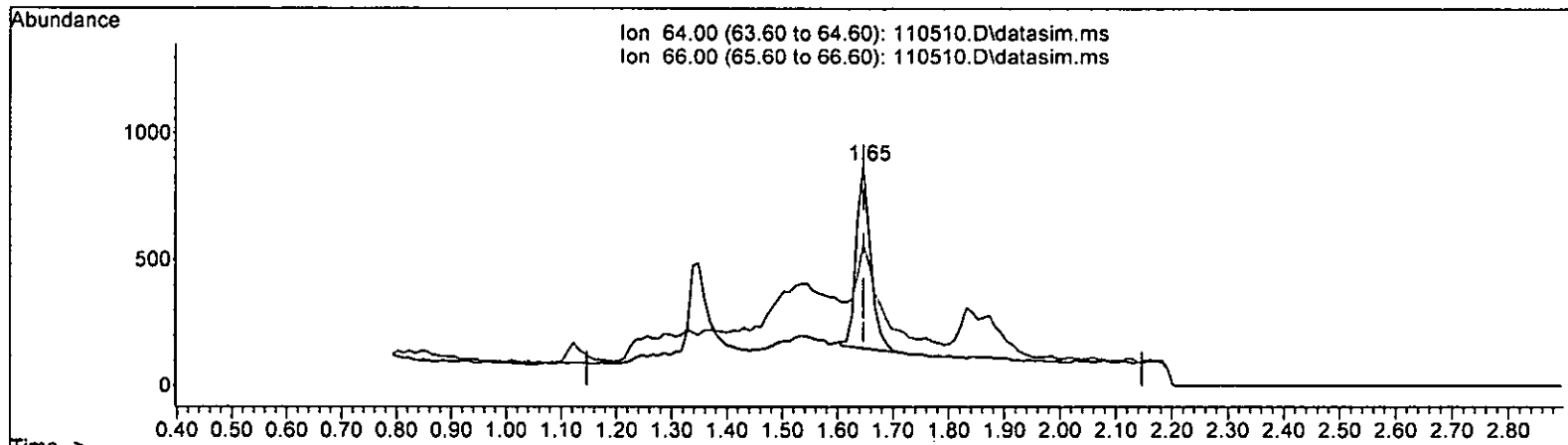
(8) Chloroethane (TMP)
 1.647min (-0.000) 0.654 ppb
 response 1669

Ion	Exp%	Act%
64.00	100.00	100.00
66.00	30.90	33.07
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110510.D
 Acq On : 05 Nov 2022 01:07 pm
 Operator : VM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:17 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110510.D\data.ms

(8) Chloroethane (TMP)

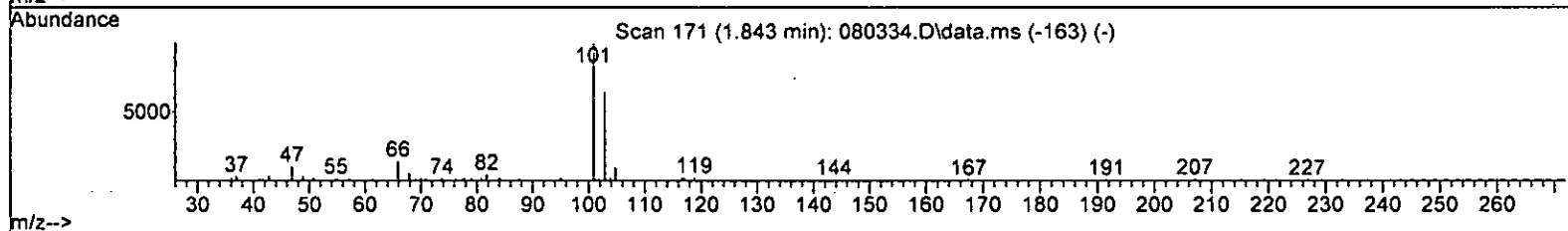
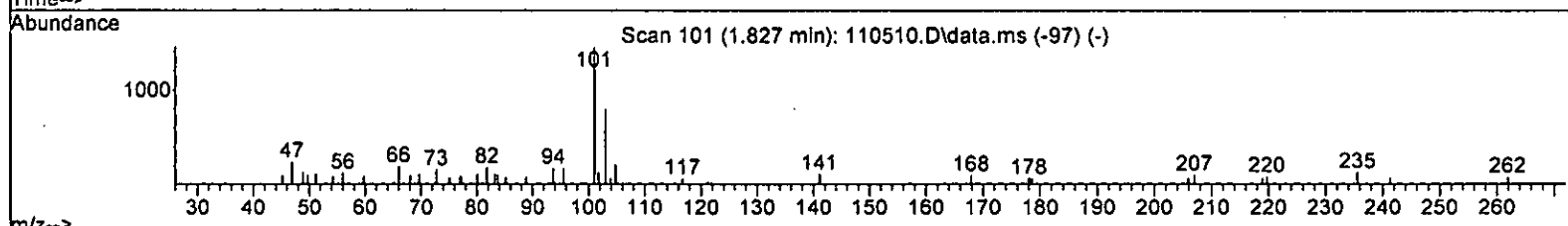
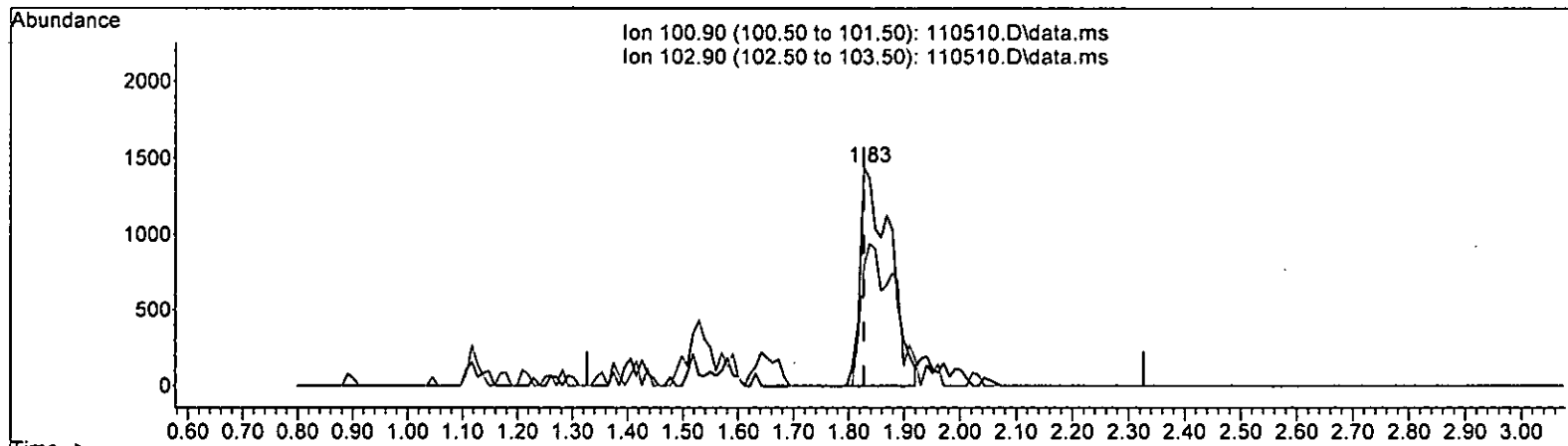
1.647min (-0.000) 0.504 ppb m

response	1286	
Ion	Exp%	Act%
64.00	100.00	100.00
66.00	30.90	64.42#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110510.D
 Acq On : 05 Nov 2022 01:07 pm
 Operator : VM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:17 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110510.D\data.ms

(9) Trichlorofluoromethane (TMP)

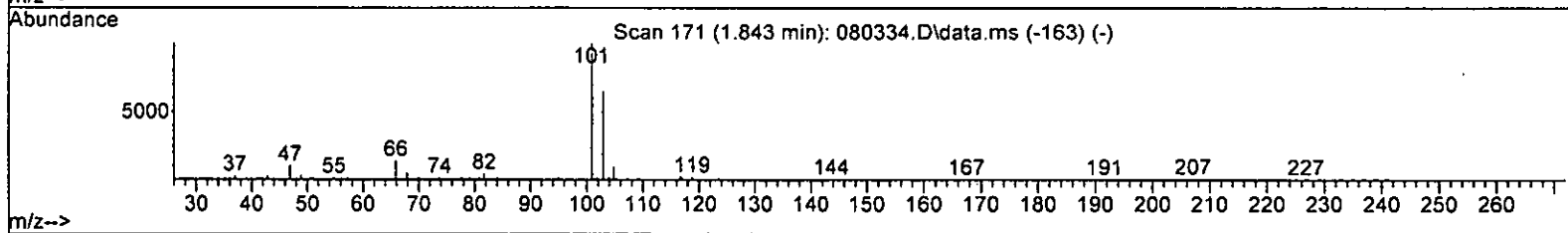
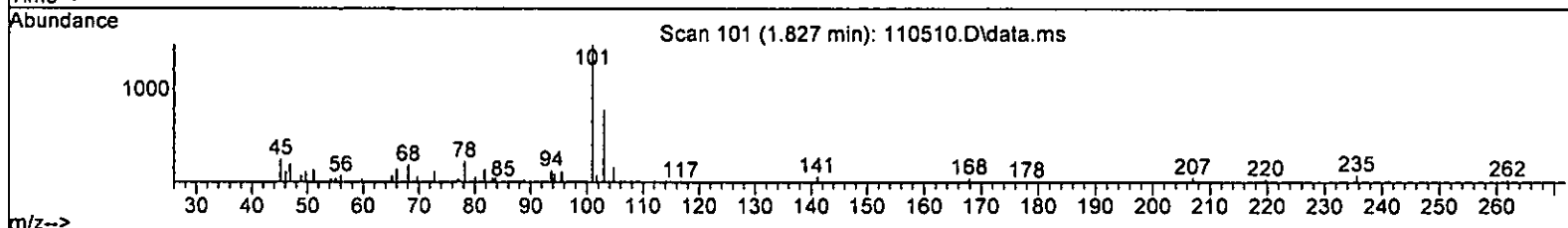
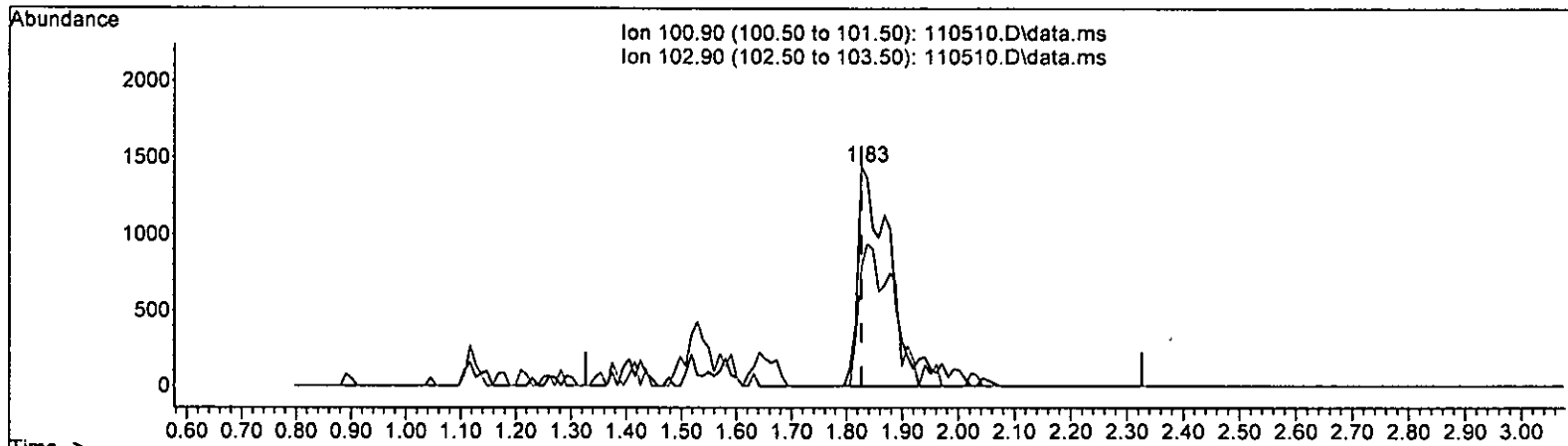
1.827min (-0.000) 0.426 ppb

response	5341
Ion	Exp% Act%
100.90	100.00 100.00
102.90	65.30 54.74
0.00	0.00 0.00
0.00	0.00 0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110510.D
 Acq On : 05 Nov 2022 01:07 pm
 Operator : VM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:17 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110510.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.827min (-0.000) 0.511 ppb m

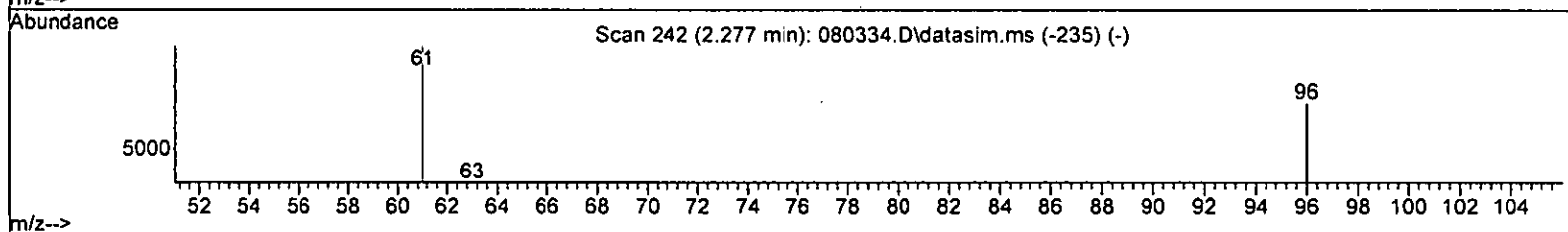
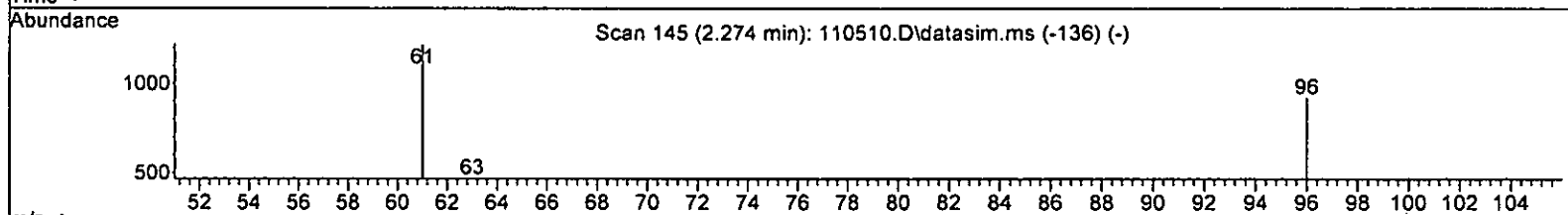
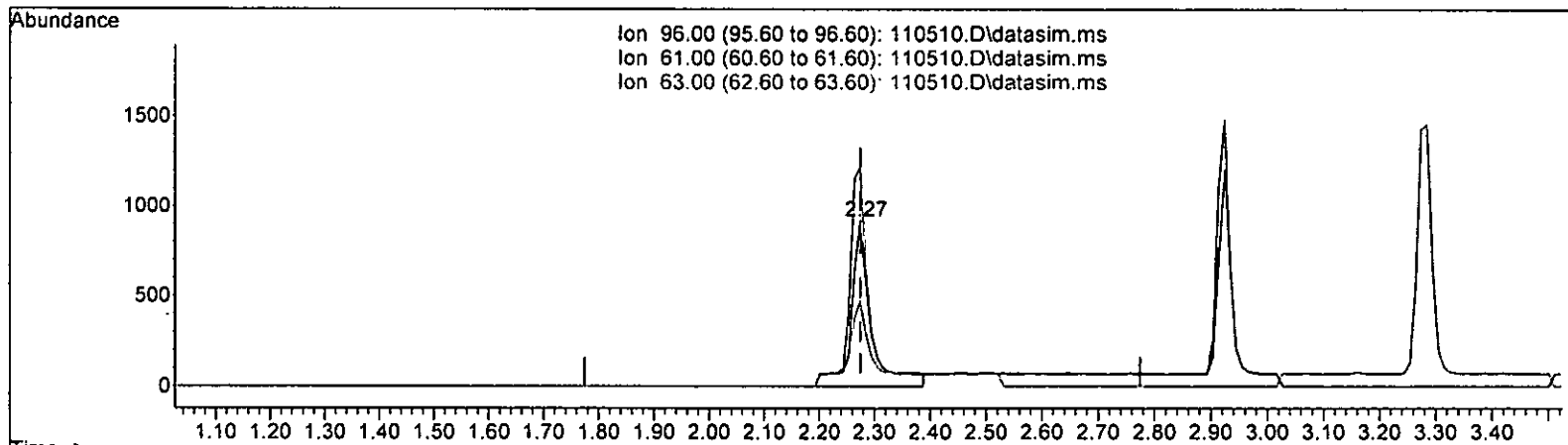
response 6405

Ion	Exp%	Act%
100.90	100.00	100.00
102.90	65.30	54.74
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110510.D
 Acq On : 05 Nov 2022 01:07 pm
 Operator : VM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:17 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110510.D\data.ms

(12) 1,1-Dichloroethene (TMP)

2.274min (-0.001) 0.721 ppb

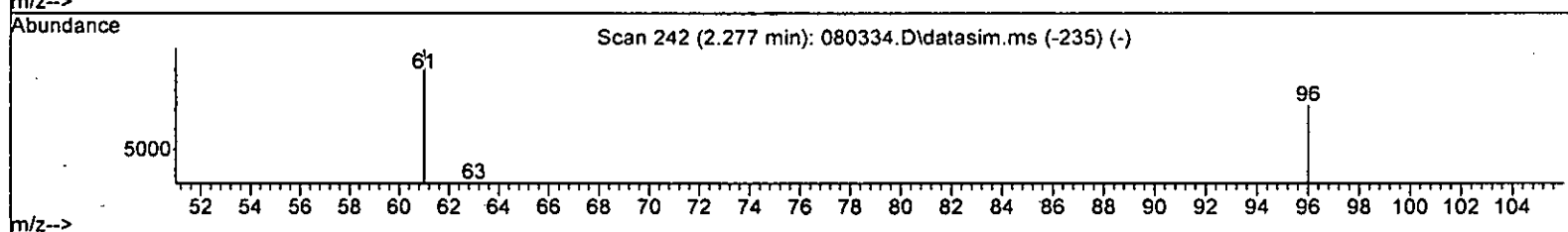
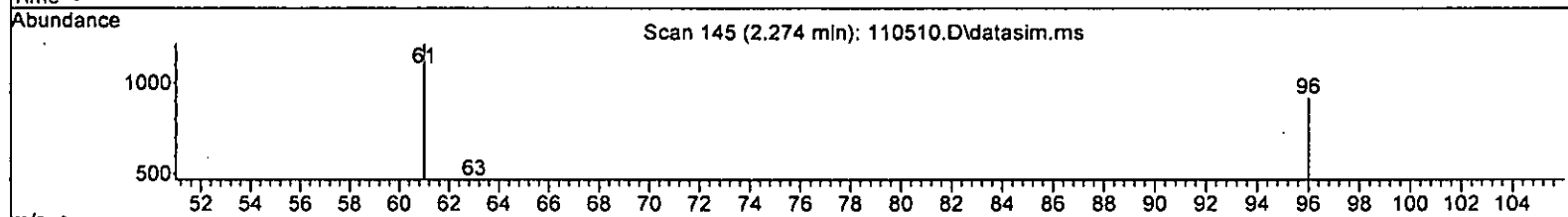
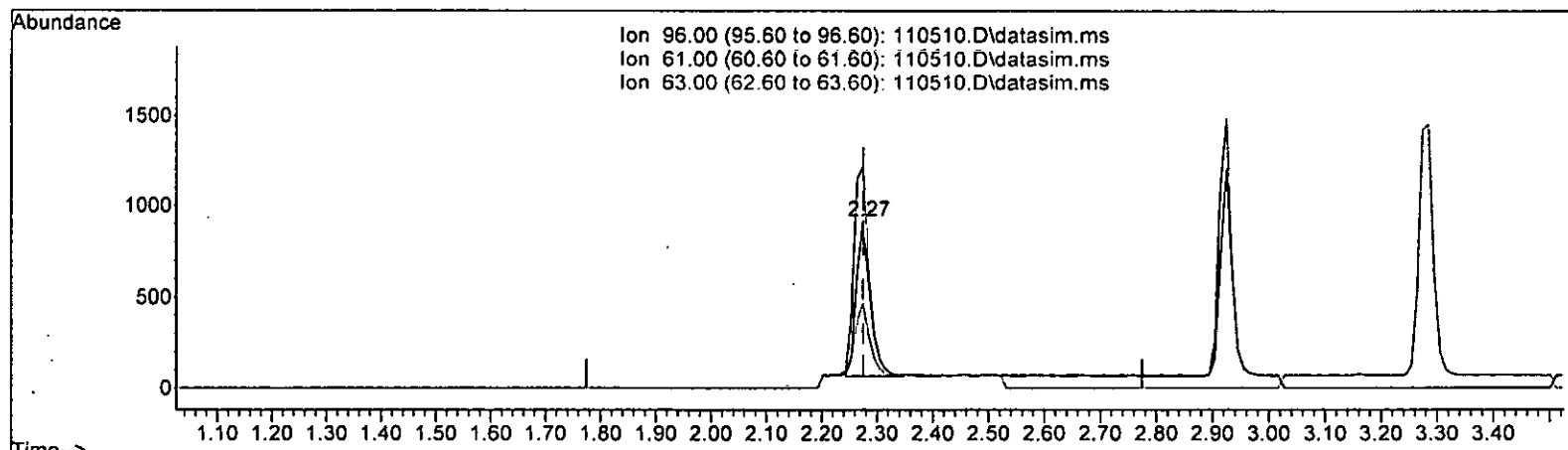
response 2292

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	120.90	132.72
63.00	43.90	50.93
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110510.D
 Acq On : 05 Nov 2022 01:07 pm
 Operator : VM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:17 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



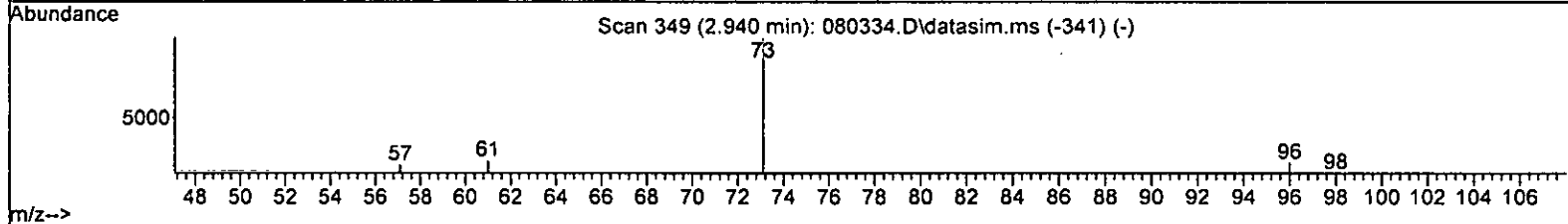
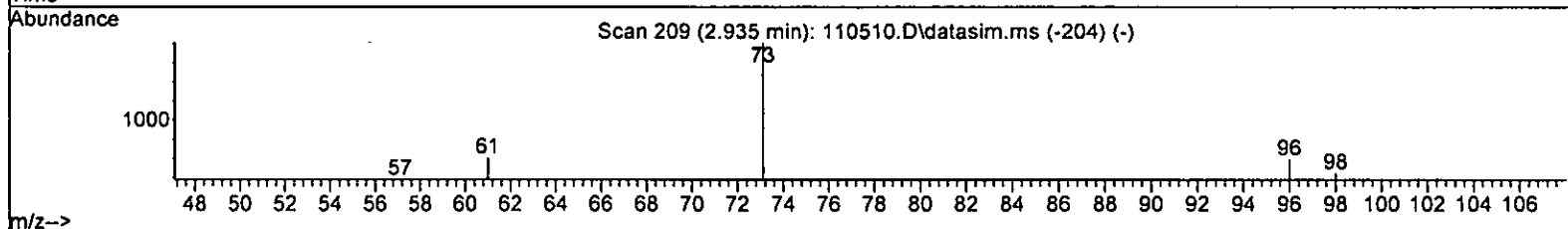
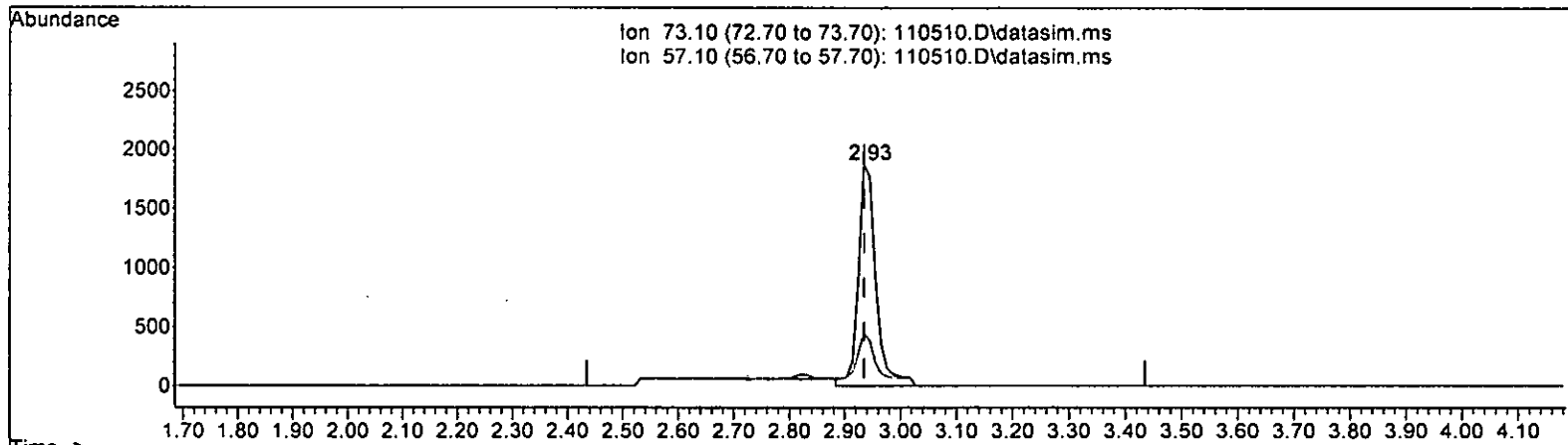
TIC: 110510.D\data.ms

(12)	1,1-Dichloroethene (TMP)	
2.274min (-0.001)	0.471 ppb m	
response	1498	
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	120.90	132.72
63.00	43.90	50.93
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110510.D
 Acq On : 05 Nov 2022 01:07 pm
 Operator : VM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:17 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110510.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

2.935min (-0.000) 0.550 ppb

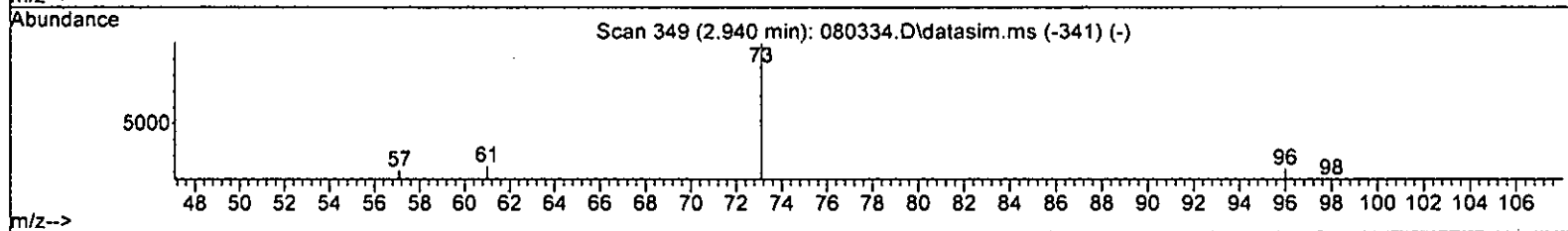
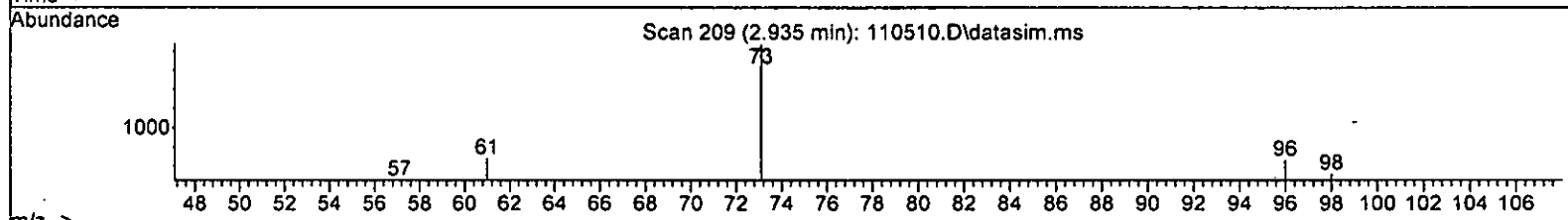
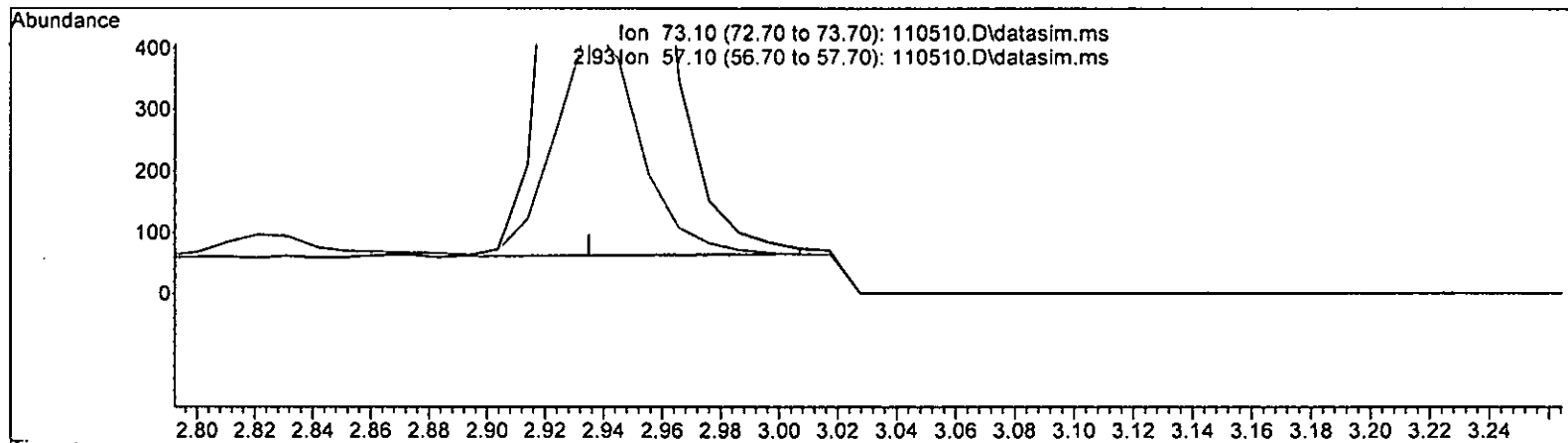
response 4087

Ion	Exp%	Act%
73.10	100.00	100.00
57.10	19.40	23.82
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110510.D
 Acq On : 05 Nov 2022 01:07 pm
 Operator : VM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:17 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110510.D\data.ms

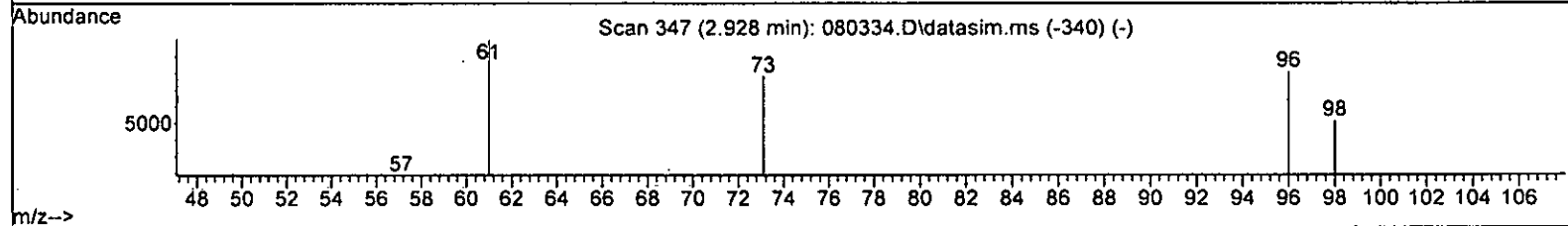
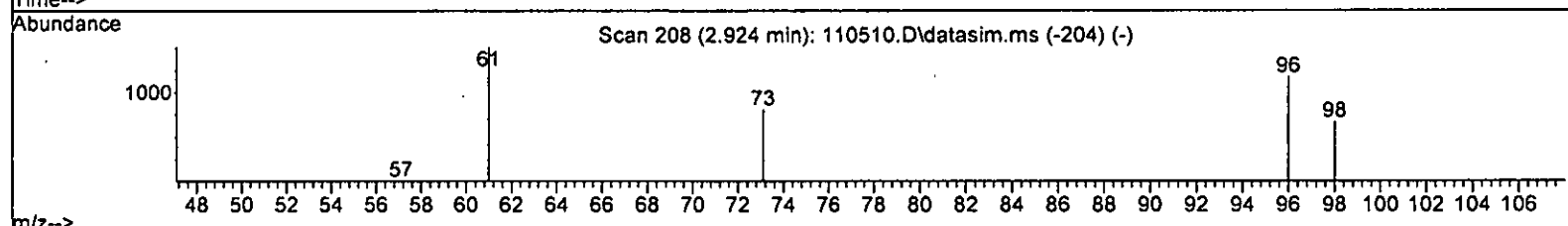
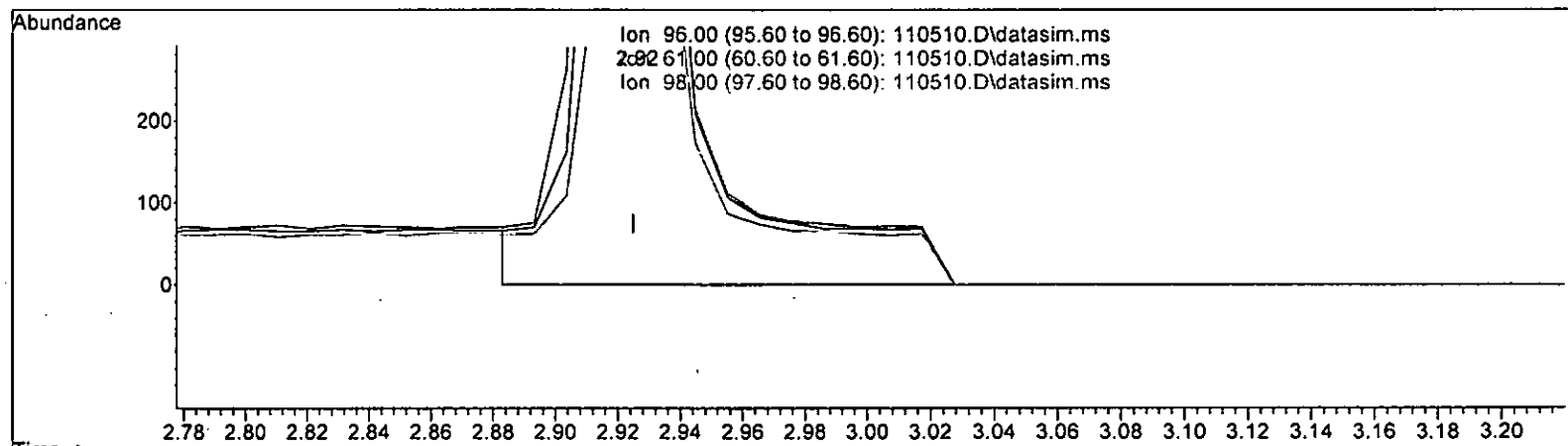
(16) Methyl t-butyl ether (MTBE) (TMP)
 2.935min (-0.000) 0.482 ppb m
 response 3577

Ion	Exp%	Act%
73.10	100.00	100.00
57.10	19.40	23.82
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110510.D
 Acq On : 05 Nov 2022 01:07 pm
 Operator : VM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:17 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110510.D\data.ms

(17) trans-1,2-Dichloroethene (TMP)

2.924min (-0.001) 0.617 ppb

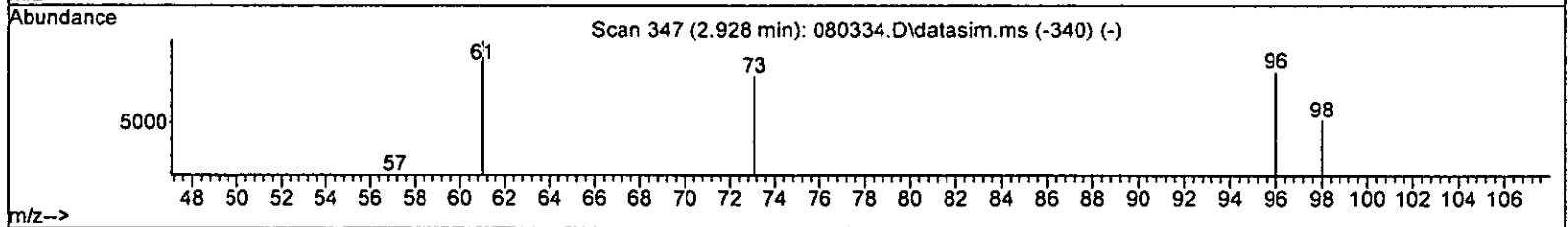
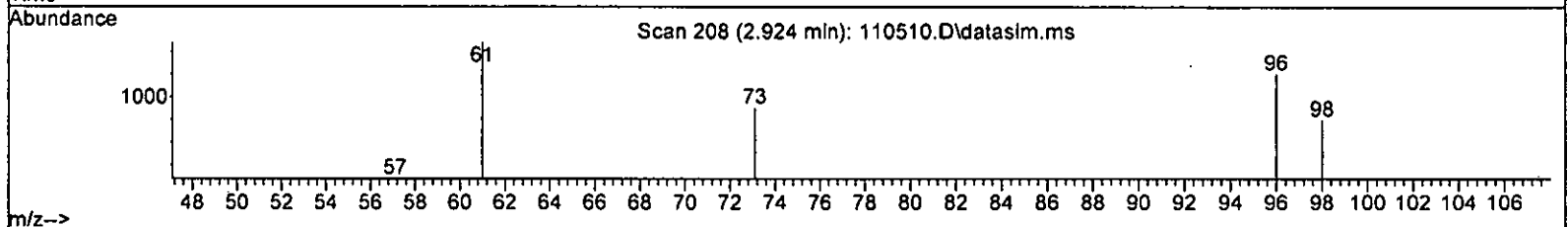
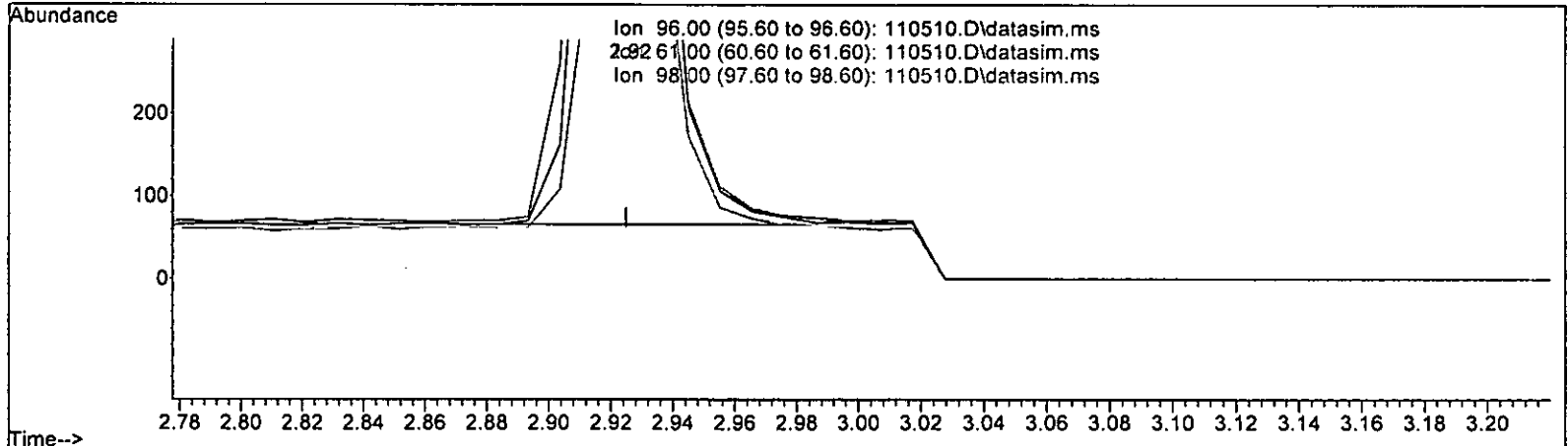
response 2191

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	108.70	123.04
98.00	67.30	66.06
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110510.D
 Acq On : 05 Nov 2022 01:07 pm
 Operator : VM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:17 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



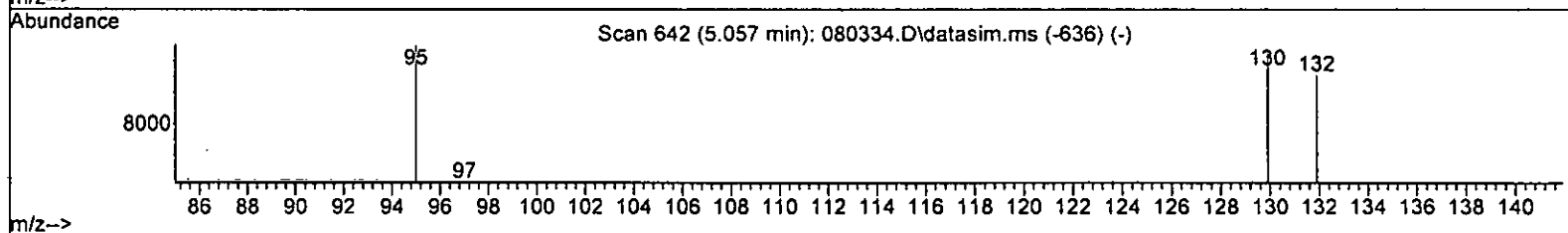
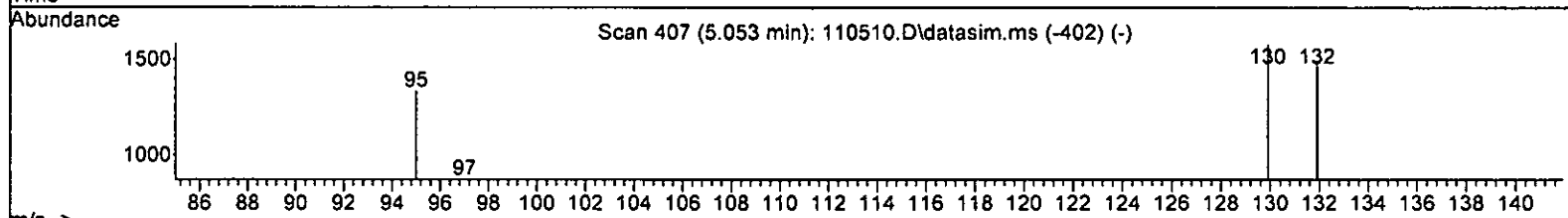
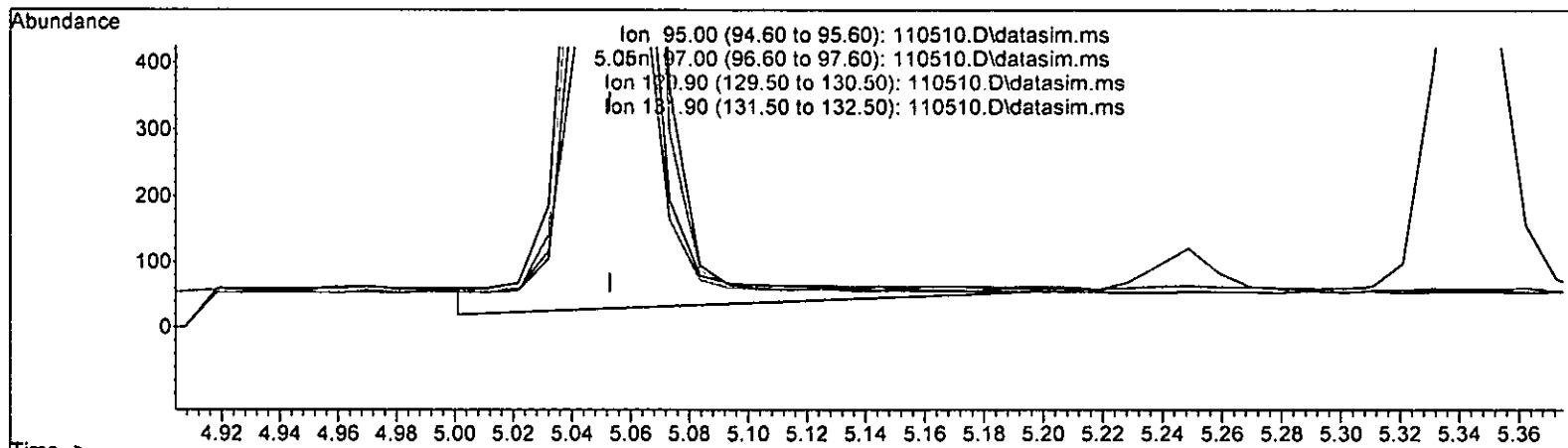
TIC: 110510.D\data.ms

(17) trans-1,2-Dichloroethene (TMP)			
2.924min (-0.001) 0.466 ppb m			
response	1656		
Ion	Exp%	Act%	
96.00	100.00	100.00	
61.00	108.70	123.04	
98.00	67.30	66.06	
0.00	0.00	0.00	

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110510.D
 Acq On : 05 Nov 2022 01:07 pm
 Operator : VM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:17 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



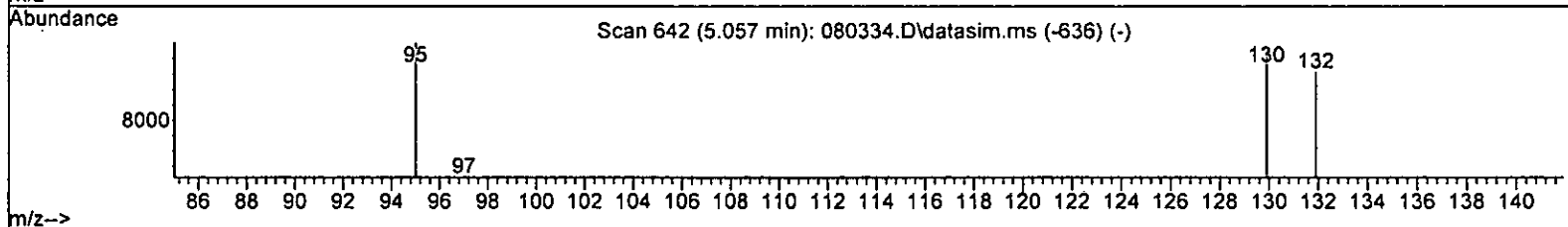
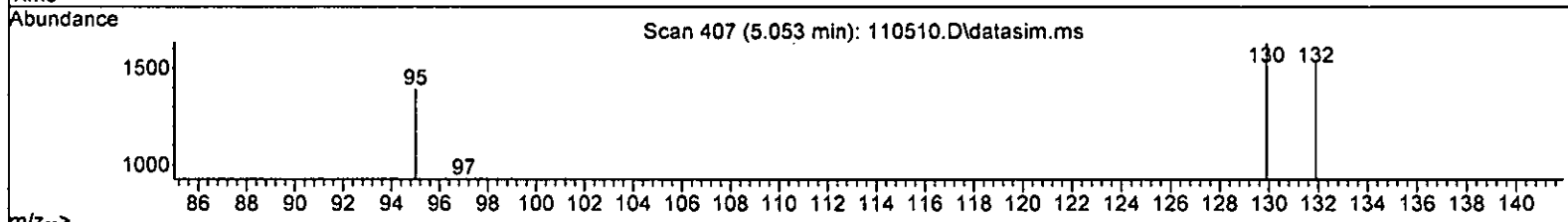
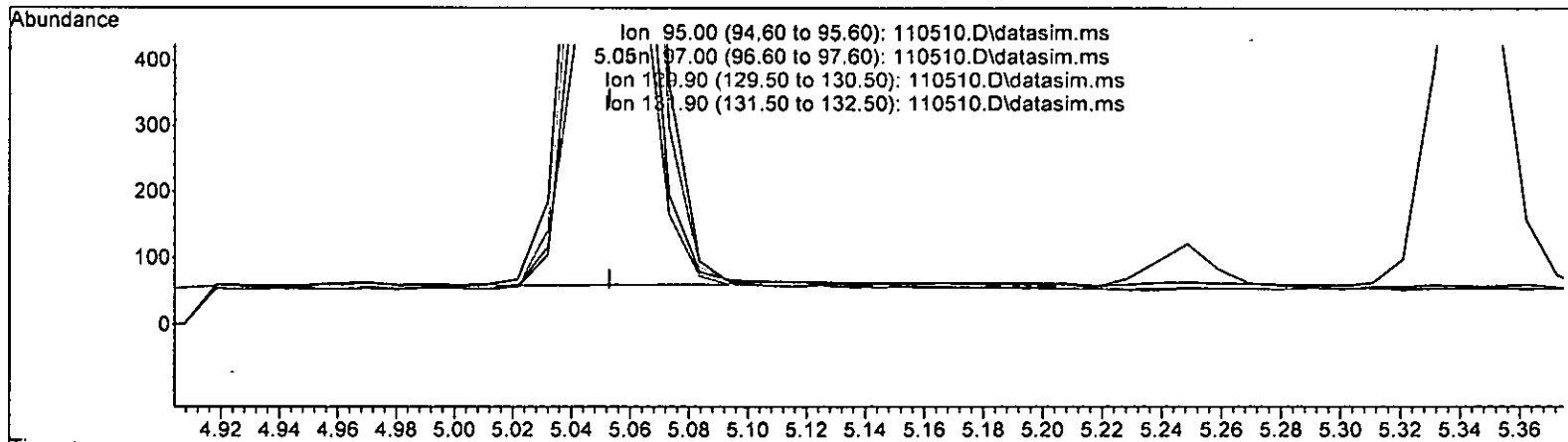
TIC: 110510.D\data.ms

(32) Trichloroethene (TME)		
5.053min (-0.000)	0.538 ppb	
response	2198	
Ion	Exp%	Act%
95.00	100.00	100.00
97.00	64.60	65.24
129.90	103.40	118.47
131.90	95.80	111.71

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110510.D
 Acq On : 05 Nov 2022 01:07 pm
 Operator : VM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:17 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110510.D\data.ms

(32) Trichloroethene (TMP)
 5.053min (-0.000) 0.468 ppb m
 response 1915

Ion	Exp%	Act%
95.00	100.00	100.00
97.00	64.60	66.62
129.90	103.40	117.41
131.90	95.80	110.94

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110510.D
 Acq On : 05 Nov 2022 01:07 pm
 Operator : VM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:17 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	4.75	96	111564	10.000	ppb	0.00	
39) Chlorobenzene-d5	7.40	117	90038	10.000	ppb	0.00	
56) 1,4-Dichlorobenzene-d4	9.62	152	50622	10.000	ppb	0.00	
System Monitoring Compounds							
3) Dibromofluoromethane	4.17	113	36119	10.096	ppb	0.00	
Spiked Amount	10.000	Range	50 - 150	Recovery	=	101.00%	
30) 1,2-Dichloroethane-d4	4.45	102	6567	9.472	ppb	0.00	
Spiked Amount	10.000	Range	84 - 120	Recovery	=	94.70%	
35) Toluene-d8	6.11	98	102563	9.639	ppb	0.00	
Spiked Amount	10.000	Range	73 - 128	Recovery	=	96.40%	
57) 4-Bromofluorobenzene	8.51	95	34829	9.985	ppb	0.00	
Spiked Amount	10.000	Range	57 - 146	Recovery	=	99.90%	
Target Compounds							
							Qvalue
2) Ethanol	2.31	45	242	No Calib			
4) Dichlorodifluoromethane	1.12	85	4960	0.556	ppb		95
5) Chloromethane	0.00		0	N.D.	d		
6] Vinyl chloride	1.34	62	2566m	0.451	ppb		
7) Bromomethane	0.00		0	N.D.	d		
8] Chloroethane	1.65	64	1286m	0.504	ppb		
9) Trichlorofluoromethane	1.83	101	6405m	0.511	ppb		
10] 2-Propanol	2.31	45	242	No Calib			
11) Acetone	2.33	58	1062	2.685	ppb		92
12] 1,1-Dichloroethene	2.27	96	1498m	0.471	ppb		
13) Hexane	0.00		0	N.D.	d		
14) Methylene chloride	0.00		0	N.D.	d		
15) t-Butyl alcohol (TBA)	0.00		0	N.D.	d		
16] Methyl t-butyl ether (...)	2.93	73	3577m	0.482	ppb		
17] trans-1,2-Dichloroethene	2.92	96	1656m	0.466	ppb		
18) Diisopropyl ether (DIPE)	3.35	45	3909	0.502	ppb		91
19] 1,1-Dichloroethane	3.28	63	2472	0.478	ppb		93
20] Ethyl t-butyl ether (E...)	3.66	87	1617	0.563	ppb	#	84
21) 2,2-Dichloropropane	3.77	77	1440	0.505	ppb		91
22] cis-1,2-Dichloroethene	3.77	96	1785	0.480	ppb		95
23) Chloroform	4.04	83	3271	0.544	ppb		93
24) 2-Butanone (MEK)	3.79	43	3644	2.364	ppb		93
25) t-Amyl methyl ether (T...)	4.61	73	2774	0.460	ppb		90
26] 1,2-Dichloroethane (EDC)	4.53	62	2459	0.505	ppb		96
27] 1,1,1-Trichloroethane	4.19	97	2484	0.462	ppb		92
28) 1,1-Dichloropropene	4.33	75	2049	0.490	ppb		87
29) Carbon tetrachloride	4.33	117	2913	0.538	ppb		74
31] Benzene	4.50	78	6008	0.482	ppb		98
32] Trichloroethene	5.05	95	1915m	0.468	ppb		
33) 1,2-Dichloropropane	5.24	63	1246	0.464	ppb		91
34) Bromodichloromethane	5.48	83	2208	0.512	ppb		87
36) Dibromomethane	5.35	93	1413	0.577	ppb		93

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110510.D
 Acq On : 05 Nov 2022 01:07 pm
 Operator : VM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS13

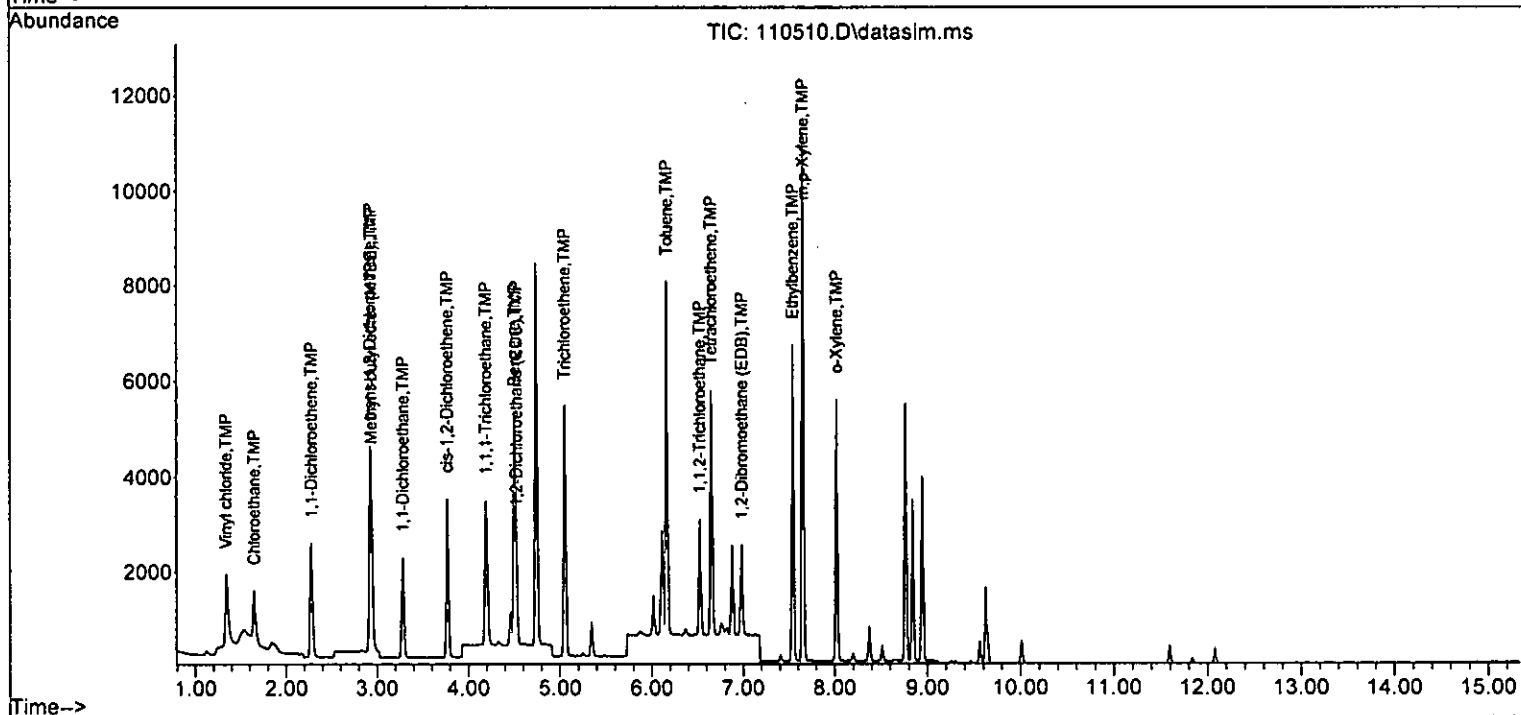
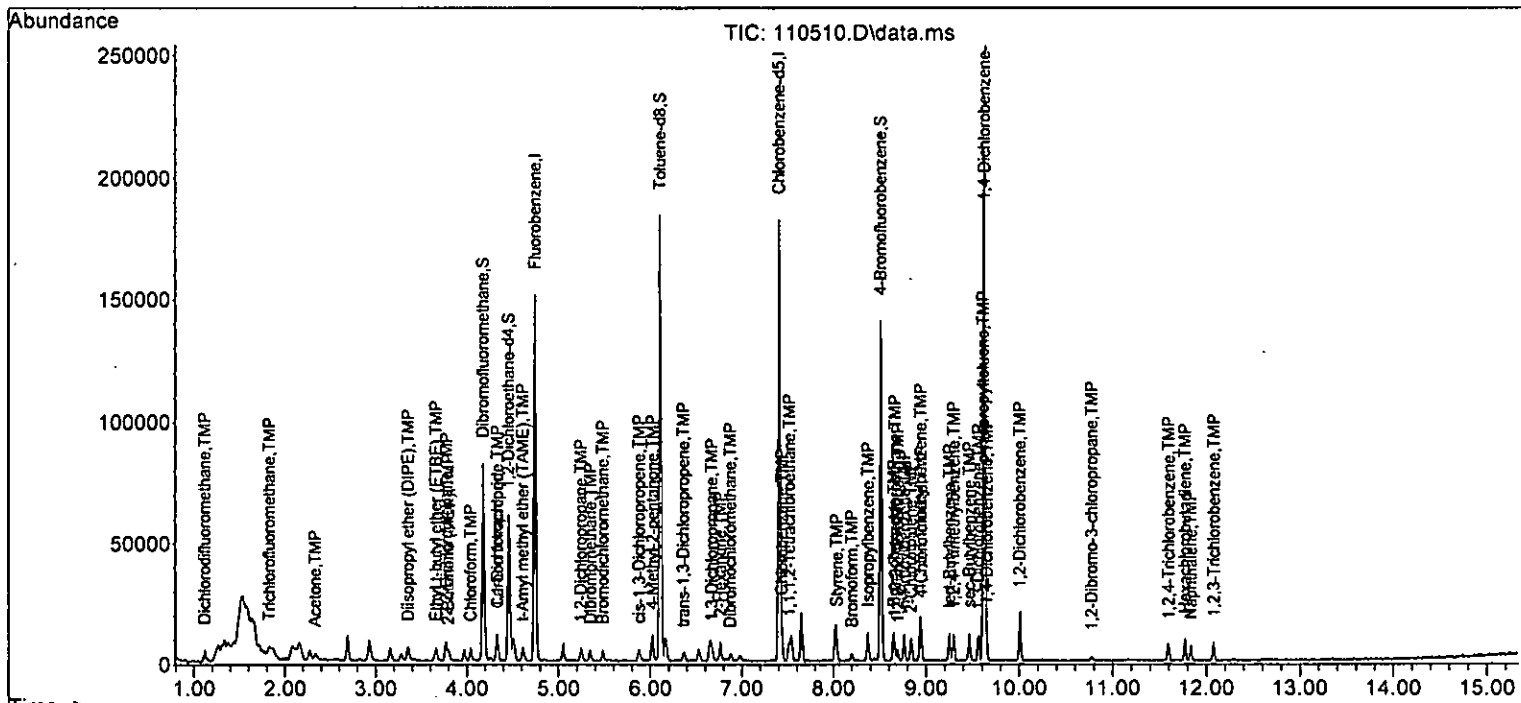
Quant Time: Nov 07 15:17:17 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	6.02	85	1234	2.607	ppb	92
38) cis-1,3-Dichloropropene	5.88	75	1991	0.496	ppb	75
40] Toluene	6.16	92	3797	0.510	ppb	97
41) trans-1,3-Dichloropropene	6.36	75	1400	0.451	ppb	80
42] 1,1,2-Trichloroethane	6.53	83	1209	0.505	ppb	94
43) 2-Hexanone	6.76	43	4462	2.614	ppb	91
44) 1,3-Dichloropropane	6.67	76	2024	0.492	ppb	96
45] Tetrachloroethene	6.65	164	1919	0.522	ppb	97
46) Dibromochloromethane	6.87	129	1798	0.440	ppb	94
47] 1,2-Dibromoethane (EDB)	6.98	107	1474	0.455	ppb	97
48) Chlorobenzene	7.43	112	4834	0.541	ppb	94
49] Ethylbenzene	7.54	91	6733	0.480	ppb	96
50] 1,1,1,2-Tetrachloroethane	7.52	131	1772	0.509	ppb	91
51] m,p-Xylene	7.65	106	5123	0.930	ppb	93
52] o-Xylene	8.02	106	2479	0.466	ppb	92
53) Styrene	8.03	104	3761	0.471	ppb	99
54) Isopropylbenzene	8.37	105	5911	0.457	ppb	89
55) Bromoform	8.20	173	1341	0.498	ppb	92
58) n-Propylbenzene	8.77	91	6959	0.509	ppb	91
59) Bromobenzene	8.65	156	2039	0.481	ppb	91
60] 1,3,5-Trimethylbenzene	8.94	105	4779	0.480	ppb	88
61] 1,1,2,2-Tetrachloroethane	8.66	83	1676	0.471	ppb	97
62] 1,2,3-Trichloropropane	8.70	75	1478	0.600	ppb	87
63) 2-Chlorotoluene	8.84	91	4404	0.538	ppb	86
64) 4-Chlorotoluene	8.95	91	5220	0.539	ppb	90
65) tert-Butylbenzene	9.25	119	4875	0.493	ppb	91
66) 1,2,4-Trimethylbenzene	9.30	105	4680	0.463	ppb	83
67) sec-Butylbenzene	9.46	105	6241	0.470	ppb	89
68) p-Isopropyltoluene	9.61	119	5572	0.461	ppb	91
69) 1,3-Dichlorobenzene	9.56	146	3918	0.506	ppb	94
70] 1,4-Dichlorobenzene	9.65	146	3747	0.473	ppb	92
71] 1,2-Dichlorobenzene	10.01	146	3473	0.472	ppb	98
72] 1,2-Dibromo-3-chloropr...	10.77	75	298	0.546	ppb #	73
73) 1,2,4-Trichlorobenzene	11.60	180	2240	0.456	ppb	98
74) Hexachlorobutadiene	11.77	225	1571	0.517	ppb	91
75) Naphthalene	11.83	128	4029	0.509	ppb	89
76) 1,2,3-Trichlorobenzene	12.08	180	1986	0.464	ppb	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110510.D
 Acq On : 05 Nov 2022 01:07 pm
 Operator : VM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:17 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110510.D
 Acq On : 05 Nov 2022 01:07 pm
 Operator : VM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
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 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I Fluorobenzene	10.000	10.000	0.0	100	0.00
2 TMP Ethanol	-1.000	0.000	0.0	0	-0.02
3 S Dibromofluoromethane	10.000	10.096	-1.0	100	0.00
4 TMP Dichlorodifluoromethane	0.500	0.556	-11.2	100	0.00
5 TMP Chloromethane	-1.000	0.000	0.0	0	-1.26#
6 TMP Vinyl chloride	0.500	0.451	9.8	96	0.00
7 TMP Bromomethane	-1.000	0.000	0.0	0	-1.58#
8 TMP Chloroethane	0.500	0.504	-0.8	109	0.00
9 TMP Trichlorofluoromethane	0.500	0.511	-2.2	120	0.00
10 TMP 2-Propanol	-1.000	0.000	0.0	0	-0.02
11 TMP Acetone	2.500	2.685	-7.4	100	0.00
12 TMP 1,1-Dichloroethene	0.500	0.471	5.8	100	0.00
13 TMP Hexane	-1.000	0.000	0.0	0	-3.16#
14 TMP Methylene chloride	-1.000	0.000	0.0	0	-2.68#
15 TMP t-Butyl alcohol (TBA)	-1.000	0.000	0.0	0	-2.82#
16 TMP Methyl t-butyl ether (MTBE)	0.500	0.482	3.6	101	0.00
17 TMP trans-1,2-Dichloroethene	0.500	0.466	6.8	97	0.00
18 TMP Diisopropyl ether (DIPE)	0.500	0.502	-0.4	100	0.00
19 TMP 1,1-Dichloroethane	0.500	0.478	4.4	100	0.00
20 TMP Ethyl t-butyl ether (ETBE)	0.500	0.563	-12.6	100	0.00
21 TMP 2,2-Dichloropropane	0.500	0.505	-1.0	100	0.00
22 TMP cis-1,2-Dichloroethene	0.500	0.480	4.0	100	0.00
23 TMP Chloroform	0.500	0.544	-8.8	100	0.00
24 TMP 2-Butanone (MEK)	2.500	2.364	5.4	105	0.00
25 TMP t-Amyl methyl ether (TAME)	0.500	0.460	8.0	100	0.00
26 TMP 1,2-Dichloroethane (EDC)	0.500	0.505	-1.0	103	0.00
27 TMP 1,1,1-Trichloroethane	0.500	0.462	7.6	100	0.00
28 TMP 1,1-Dichloropropane	0.500	0.490	2.0	100	0.00
29 TMP Carbon tetrachloride	0.500	0.538	-7.6	100	0.00
30 S 1,2-Dichloroethane-d4	10.000	9.472	5.3	100	0.00
31 TMP Benzene	0.500	0.482	3.6	100	0.00
32 TMP Trichloroethene	0.500	0.468	6.4	100	0.00
33 TMP 1,2-Dichloropropane	0.500	0.464	7.2	100	0.00
34 TMP Bromodichloromethane	0.500	0.512	-2.4	100	0.00
35 S Toluene-d8	10.000	9.639	3.6	100	0.00
36 TMP Dibromomethane	0.500	0.577	-15.4	100	0.00
37 TMP 4-Methyl-2-pentanone	2.500	2.607	-4.3	104	0.00
38 TMP cis-1,3-Dichloropropene	0.500	0.496	0.8	100	0.00
39 I Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40 TMP Toluene	0.500	0.510	-2.0	100	0.00
41 TMP trans-1,3-Dichloropropene	0.500	0.451	9.8	100	0.00
42 TMP 1,1,2-Trichloroethane	0.500	0.505	-1.0	100	0.00
43 TMP 2-Hexanone	2.500	2.614	-4.6	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110510.D
 Acq On : 05 Nov 2022 01:07 pm
 Operator : VM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:17 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.500	0.492	1.6	100	-0.01
45 TMP Tetrachloroethene	0.500	0.522	-4.4	100	0.00
46 TMP Dibromochloromethane	0.500	0.440	12.0	100	-0.01
47 TMP 1,2-Dibromoethane (EDB)	0.500	0.455	9.0	100	0.00
48 TMP Chlorobenzene	0.500	0.541	-8.2	100	0.00
49 TMP Ethylbenzene	0.500	0.480	4.0	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.500	0.509	-1.8	100	0.00
51 TMP m,p-Xylene	1.000	0.930	7.0	100	0.00
52 TMP o-Xylene	0.500	0.466	6.8	100	0.00
53 TMP Styrene	0.500	0.471	5.8	100	0.00
54 TMP Isopropylbenzene	0.500	0.457	8.6	100	0.00
55 TMP Bromoform	0.500	0.498	0.4	100	0.00
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	10.000	9.985	0.2	100	0.00
58 TMP n-Propylbenzene	0.500	0.509	-1.8	100	0.00
59 TMP Bromobenzene	0.500	0.481	3.8	100	0.00
60 TMP 1,3,5-Trimethylbenzene	0.500	0.480	4.0	101	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.500	0.471	5.8	100	0.00
62 TMP 1,2,3-Trichloropropane	0.500	0.600	-20.0	100	0.00
63 TMP 2-Chlorotoluene	0.500	0.538	-7.6	100	0.00
64 TMP 4-Chlorotoluene	0.500	0.539	-7.8	100	0.00
65 TMP tert-Butylbenzene	0.500	0.493	1.4	100	0.00
66 TMP 1,2,4-Trimethylbenzene	0.500	0.463	7.4	100	0.00
67 TMP sec-Butylbenzene	0.500	0.470	6.0	100	0.00
68 TMP p-Isopropyltoluene	0.500	0.461	7.8	100	0.00
69 TMP 1,3-Dichlorobenzene	0.500	0.506	-1.2	100	0.00
70 TMP 1,4-Dichlorobenzene	0.500	0.473	5.4	100	0.00
71 TMP 1,2-Dichlorobenzene	0.500	0.472	5.6	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	-1.000	0.546	0.0	0	0.00
73 TMP 1,2,4-Trichlorobenzene	0.500	0.456	8.8	100	0.00
74 TMP Hexachlorobutadiene	0.500	0.517	-3.4	100	0.00
75 TMP Naphthalene	0.500	0.509	-1.8	100	0.00
76 TMP 1,2,3-Trichlorobenzene	0.500	0.464	7.2	100	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110510.D
 Acq On : 05 Nov 2022 01:07 pm
 Operator : VM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:17 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I Fluorobenzene	1.000	1.000	0.0	100	0.00
2 TMP Ethanol	0.000	0.000#	0.0	0#	-0.02
3 S Dibromofluoromethane	0.321	0.324	-0.9	100	0.00
4 TMP Dichlorodifluoromethane	0.800	0.889	-11.1	100	0.00
5 TMP Chloromethane	0.488	0.000#	100.0#	0#	-1.26#
6 TMP Vinyl chloride	0.510	0.460	9.8	96	0.00
7 TMP Bromomethane	0.432	0.000#	100.0#	0#	-1.58#
8 TMP Chloroethane	0.229	0.231	-0.9	109	0.00
9 TMP Trichlorofluoromethane	1.123	1.148	-2.2	120	0.00
10 TMP 2-Propanol	0.000	0.000	0.0	0#	-0.02
11 TMP Acetone	0.029	0.038	-31.0#	100	0.00
12 TMP 1,1-Dichloroethene	0.285	0.269	5.6	100	0.00
13 TMP Hexane	0.323	0.000#	100.0#	0#	-3.16#
14 TMP Methylene chloride	0.289	0.000#	100.0#	0#	-2.68#
15 TMP t-Butyl alcohol (TBA)	0.024	0.000#	100.0#	0#	-2.82#
16 TMP Methyl t-butyl ether (MTBE)	0.666	0.641	3.8	101	0.00
17 TMP trans-1,2-Dichloroethene	0.318	0.297	6.6	97	0.00
18 TMP Diisopropyl ether (DIPE)	0.698	0.701	-0.4	100	0.00
19 TMP 1,1-Dichloroethane	0.463	0.443	4.3	100	0.00
20 TMP Ethyl t-butyl ether (ETBE)	0.258	0.290	-12.4	100	0.00
21 TMP 2,2-Dichloropropane	0.258	0.258	0.0	100	0.00
22 TMP cis-1,2-Dichloroethene	0.333	0.320	3.9	100	0.00
23 TMP Chloroform	0.539	0.586	-8.7	100	0.00
24 TMP 2-Butanone (MEK)	0.132	0.131	0.8	105	0.00
25 TMP t-Amyl methyl ether (TAME)	0.540	0.497#	8.0	100	0.00
26 TMP 1,2-Dichloroethane (EDC)	0.465	0.441	5.2	103	0.00
27 TMP 1,1,1-Trichloroethane	0.482	0.445	7.7	100	0.00
28 TMP 1,1-Dichloropropene	0.370	0.367	0.8	100	0.00
29 TMP Carbon tetrachloride	0.485	0.522	-7.6	100	0.00
30 S 1,2-Dichloroethane-d4	0.062	0.059	4.8	100	0.00
31 TMP Benzene	1.118	1.077	3.7	100	0.00
32 TMP Trichloroethene	0.367	0.343	6.5	100	0.00
33 TMP 1,2-Dichloropropane	0.241	0.223	7.5	100	0.00
34 TMP Bromodichloromethane	0.387	0.396	-2.3	100	0.00
35 S Toluene-d8	0.954	0.919	3.7	100	0.00
36 TMP Dibromomethane	0.219	0.253	-15.5	100	0.00
37 TMP 4-Methyl-2-pentanone	0.042	0.044	-4.8	104	0.00
38 TMP cis-1,3-Dichloropropene	0.360	0.357	0.8	100	0.00
39 I Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40 TMP Toluene	0.907	0.843	7.1	100	0.00
41 TMP trans-1,3-Dichloropropene	0.366	0.311	15.0	100	0.00
42 TMP 1,1,2-Trichloroethane	0.285	0.269	5.6	100	0.00
43 TMP 2-Hexanone	0.190	0.198	-4.2	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110510.D
 Acq On : 05 Nov 2022 01:07 pm
 Operator : VM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:17 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.457	0.450	1.5	100	-0.01
45 TMP Tetrachloroethene	0.460	0.426	7.4	100	0.00
46 TMP Dibromochloromethane	0.451	0.399	11.5	100	-0.01
47 TMP 1,2-Dibromoethane (EDB)	0.360	0.327	9.2	100	0.00
48 TMP Chlorobenzene	0.993	1.074	-8.2	100	0.00
49 TMP Ethylbenzene	1.557	1.496	3.9	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.387	0.394	-1.8	100	0.00
51 TMP m,p-Xylene	0.612	0.569	7.0	100	0.00
52 TMP o-Xylene	0.591	0.551	6.8	100	0.00
53 TMP Styrene	0.887	0.835	5.9	100	0.00
54 TMP Isopropylbenzene	1.435	1.313	8.5	100	0.00
55 TMP Bromoform	0.299	0.298	0.3	100	0.00
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	0.689	0.688	0.1	100	0.00
58 TMP n-Propylbenzene	2.700	2.749	-1.8	100	0.00
59 TMP Bromobenzene	0.837	0.806	3.7	100	0.00
60 TMP 1,3,5-Trimethylbenzene	1.968	1.888	4.1	101	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.626	0.662	-5.8	100	0.00
62 TMP 1,2,3-Trichloropropane	0.486	0.584	-20.2#	100	0.00
63 TMP 2-Chlorotoluene	1.617	1.740	-7.6	100	0.00
64 TMP 4-Chlorotoluene	1.912	2.062	-7.8	100	0.00
65 TMP tert-Butylbenzene	1.952	1.926	1.3	100	0.00
66 TMP 1,2,4-Trimethylbenzene	1.996	1.849	7.4	100	0.00
67 TMP sec-Butylbenzene	2.624	2.466	6.0	100	0.00
68 TMP p-Isopropyltoluene	2.387	2.201	7.8	100	0.00
69 TMP 1,3-Dichlorobenzene	1.530	1.548	-1.2	100	0.00
70 TMP 1,4-Dichlorobenzene	1.564	1.480	5.4	100	0.00
71 TMP 1,2-Dichlorobenzene	1.455	1.372	5.7	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	0.108	0.000#	100.0#	0#	0.00
73 TMP 1,2,4-Trichlorobenzene	0.971	0.885	8.9	100	0.00
74 TMP Hexachlorobutadiene	0.600	0.621	-3.5	100	0.00
75 TMP Naphthalene	1.833	1.592	13.1	100	0.00
76 TMP 1,2,3-Trichlorobenzene	0.846	0.785	7.2	100	0.00

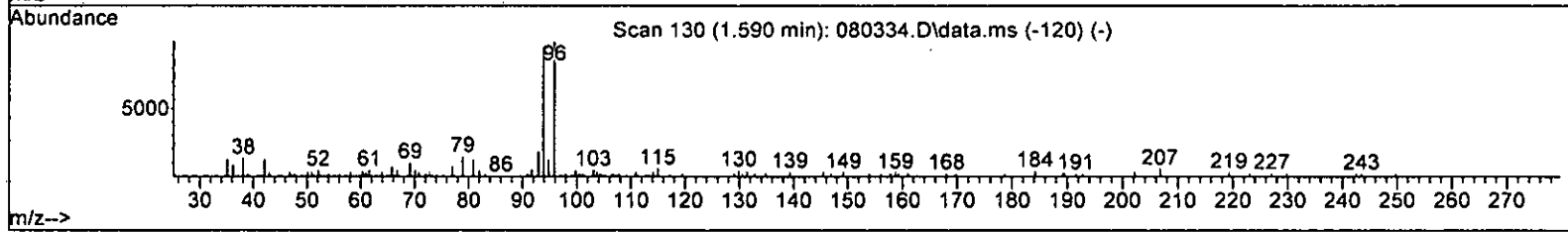
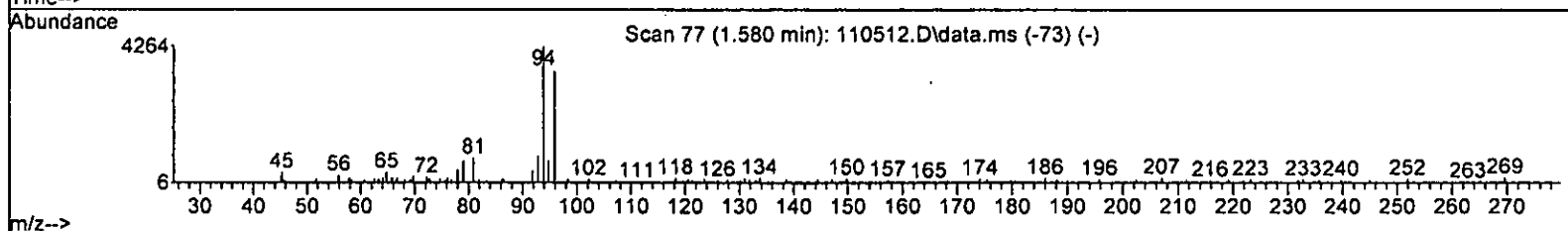
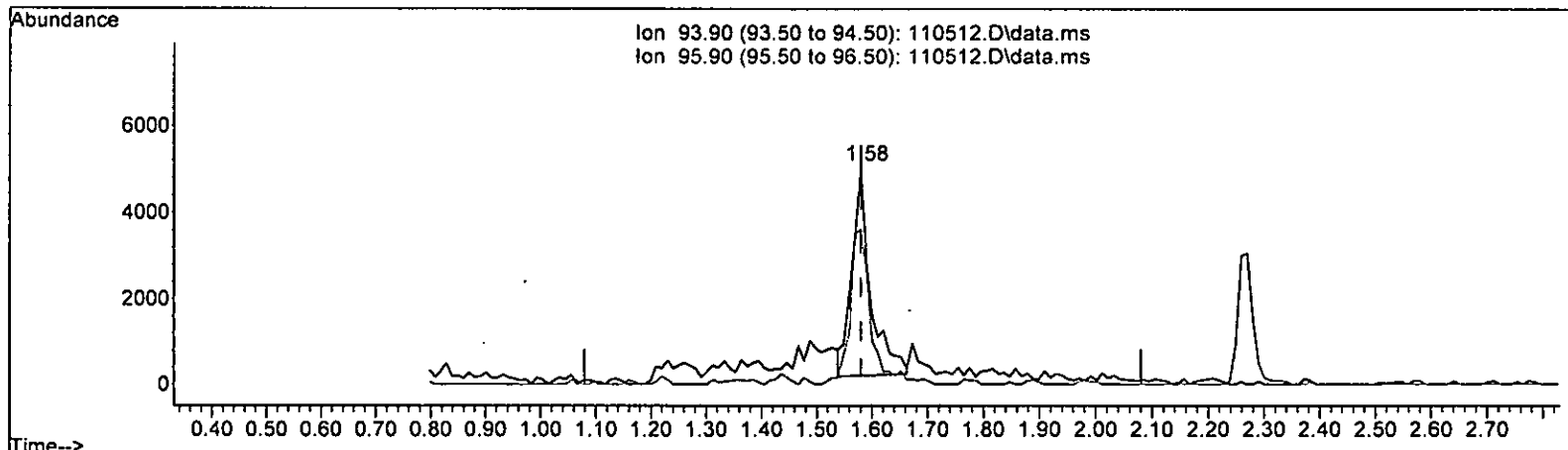
(#) = Out of Range

SPCC's out = 8 CCC's out = 0

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110512.D
 Acq On : 05 Nov 2022 01:53 pm
 Operator : VM
 Sample : 2 ppb 8260 ICAL 67-177L
 Misc : soil/water
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:21 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



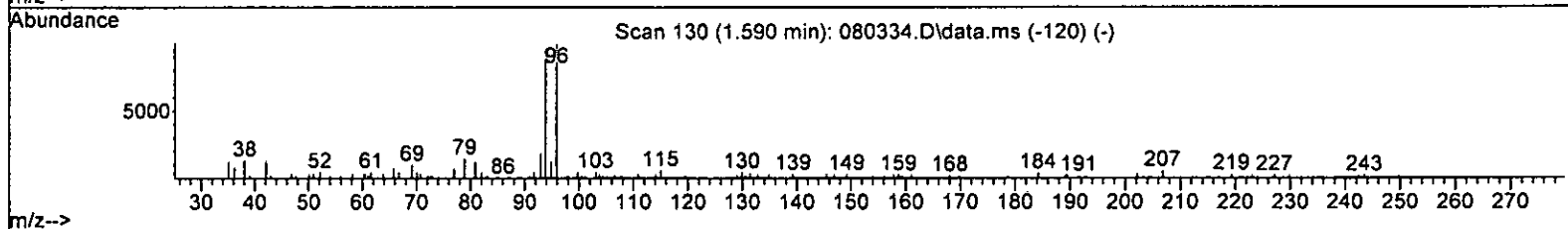
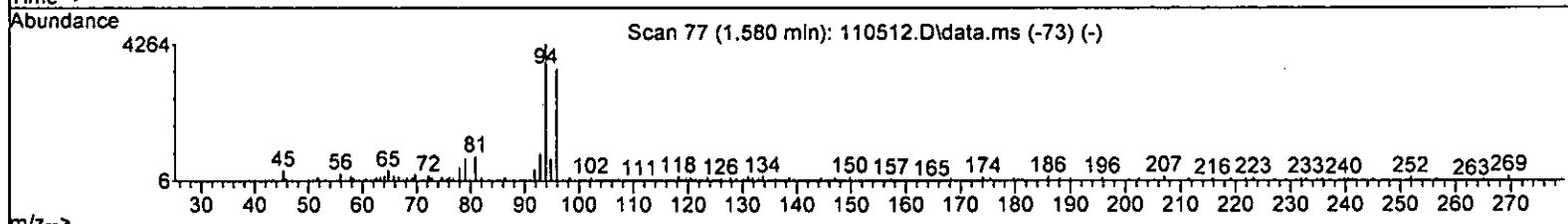
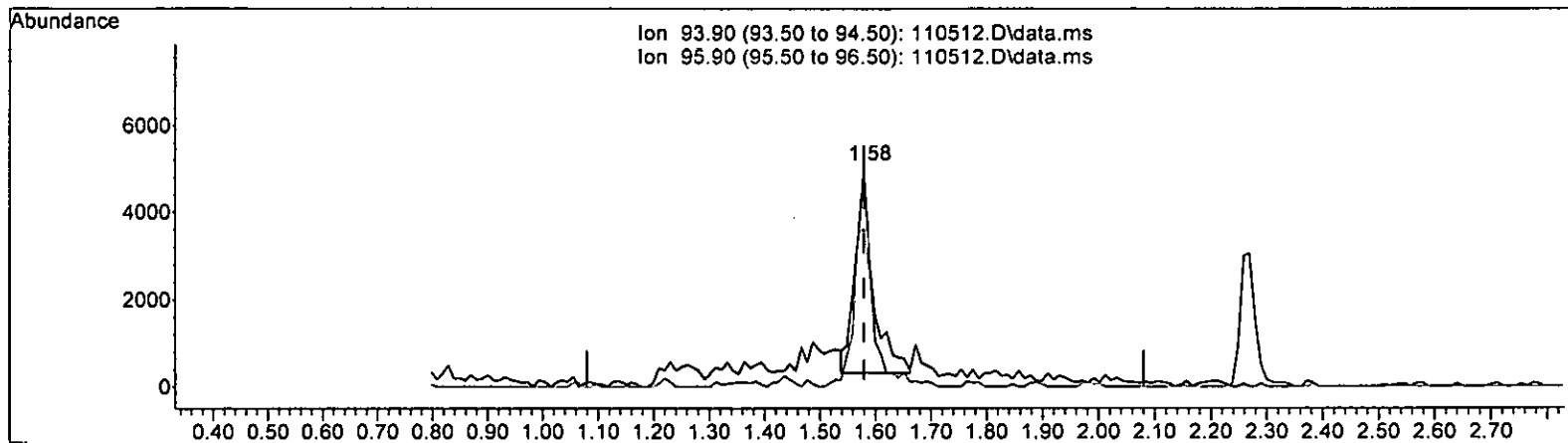
TIC: 110512.D\data.ms

(7) Bromomethane (TMP)		
Time	Response	Concentration
1.580min (-0.000)	11183	2.389 ppb
Ion	Exp%	Act%
93.90	100.00	100.00
95.90	93.50	74.28
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110512.D
 Acq On : 05 Nov 2022 01:53 pm
 Operator : VM
 Sample : 2 ppb 8260 ICAL 67-177L
 Misc : soil/water
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:21 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110512.D\data.ms

(7) Bromomethane (TMP)

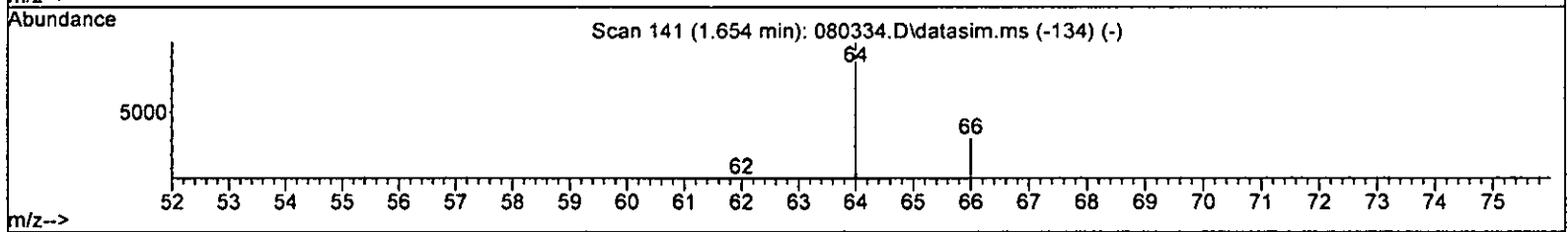
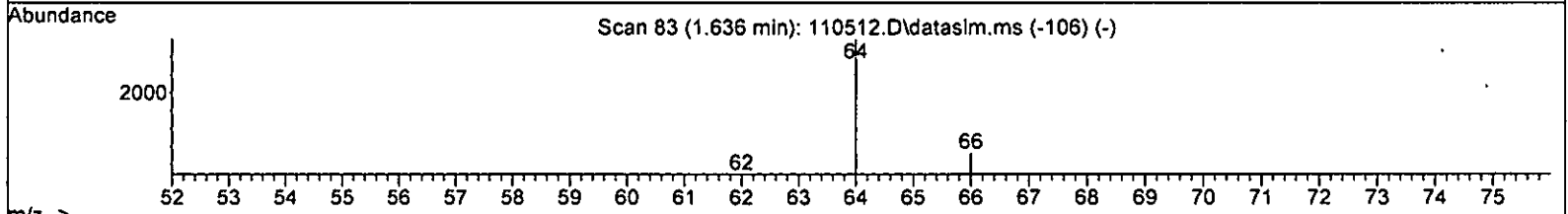
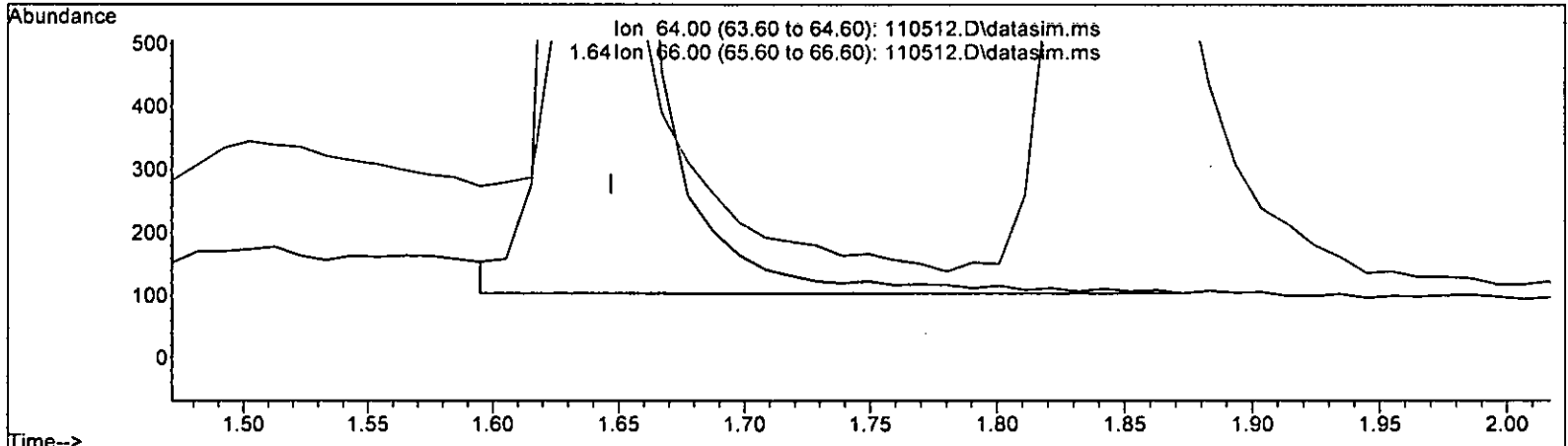
1.580min (-0.000) 2.230 ppb m

response	10442	
Ion	Exp%	Act%
93.90	100.00	100.00
95.90	93.50	71.06
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110512.D
 Acq On : 05 Nov 2022 01:53 pm
 Operator : VM
 Sample : 2 ppb 8260 ICAL 67-177L
 Misc : soil/water
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:21 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



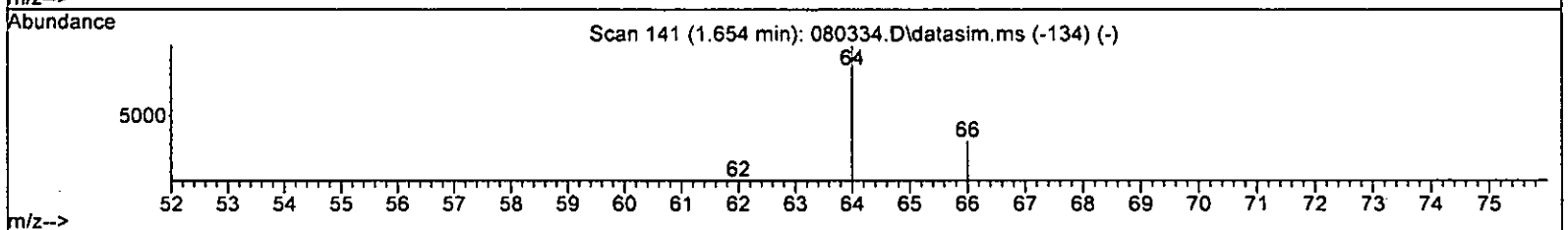
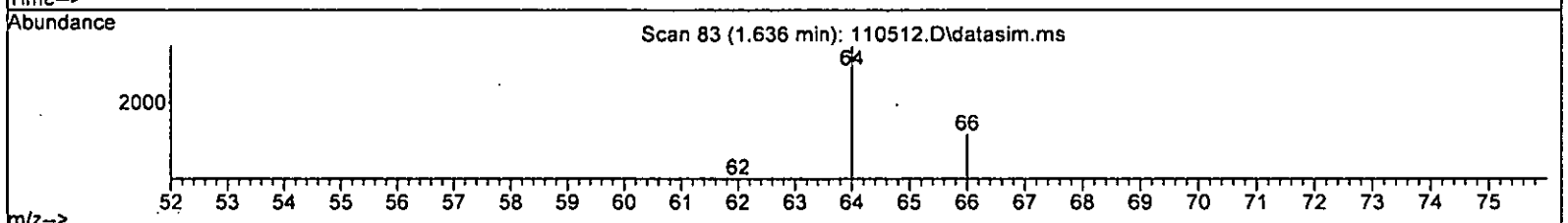
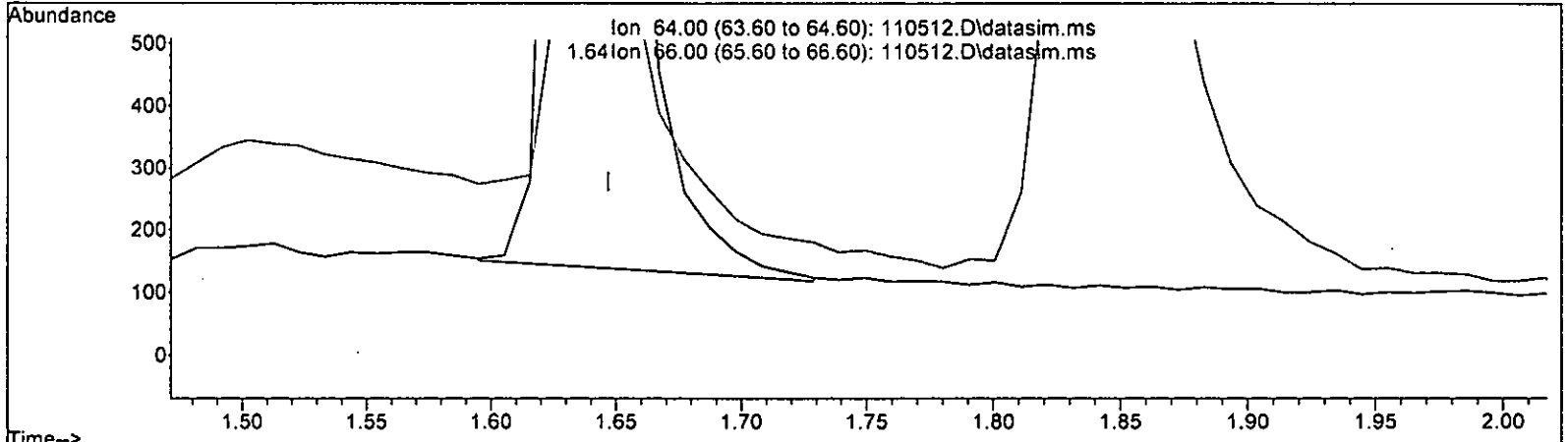
TIC: 110512.D\data.ms

(8) Chloroethane (TMP)		
1.636min (-0.011)	2.245 ppb	
response	5563	
Ion	Exp%	Act%
64.00	100.00	100.00
66.00	30.90	31.13
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110512.D
 Acq On : 05 Nov 2022 01:53 pm
 Operator : VM
 Sample : 2 ppb 8260 ICAL 67-177L
 Misc : soil/water
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:21 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 Qlast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110512.D\data.ms

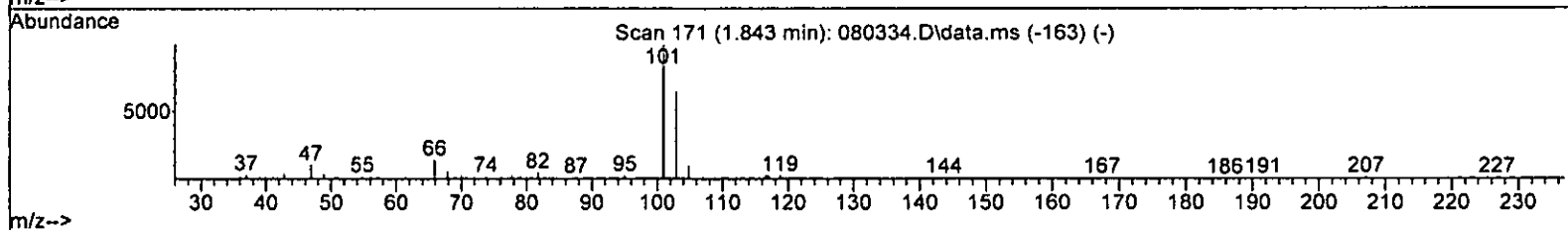
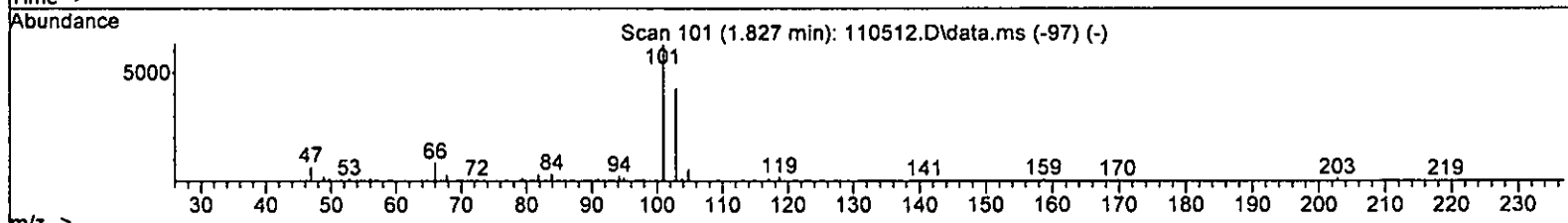
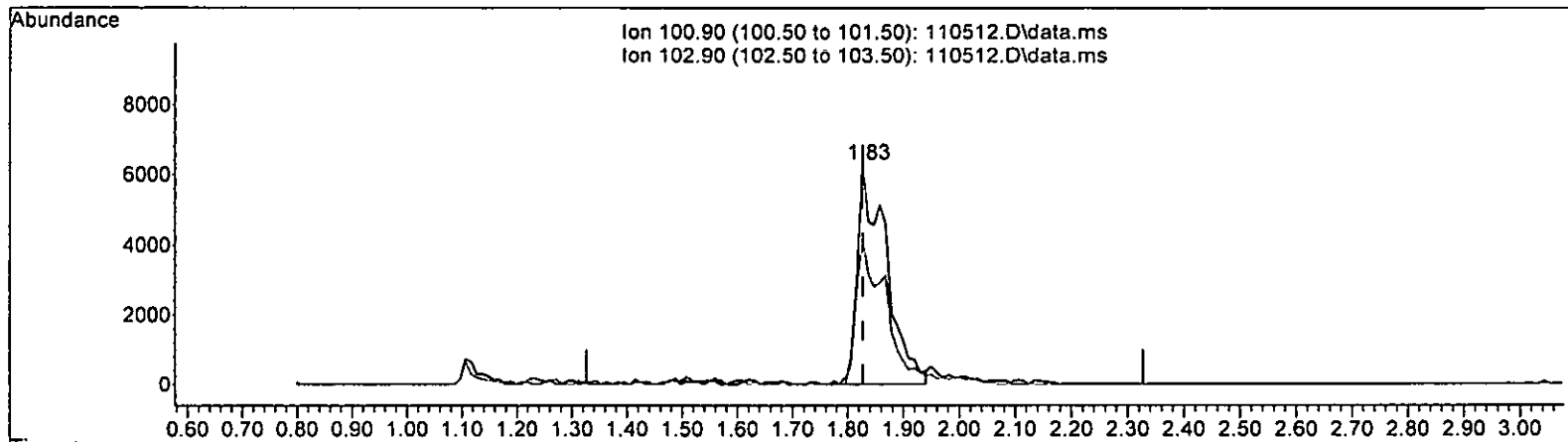
(8) Chloroethane (TMP)
 1.636min (-0.011) 2.115 ppb m

response	5241
Ion	Exp% Act%
64.00	100.00 100.00
66.00	30.90 38.46
0.00	0.00 0.00
0.00	0.00 0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110512.D
 Acq On : 05 Nov 2022 01:53 pm
 Operator : VM
 Sample : 2 ppb 8260 ICAL 67-177L
 Misc : soil/water
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:21 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110512.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.827min (-0.000) 1.844 ppb

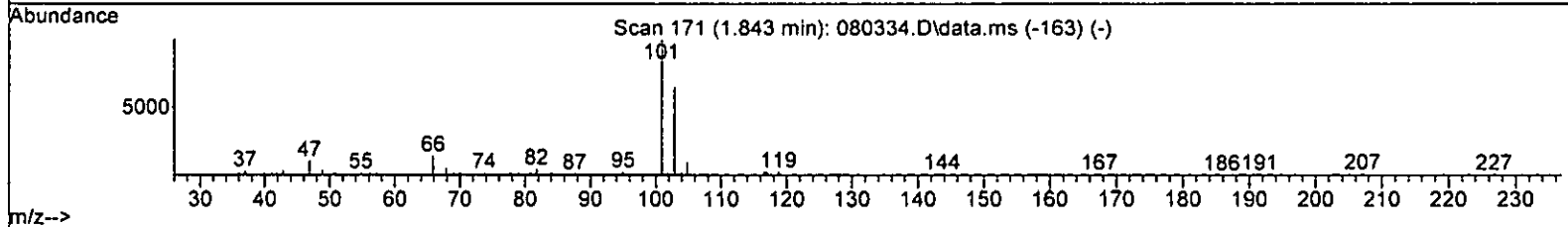
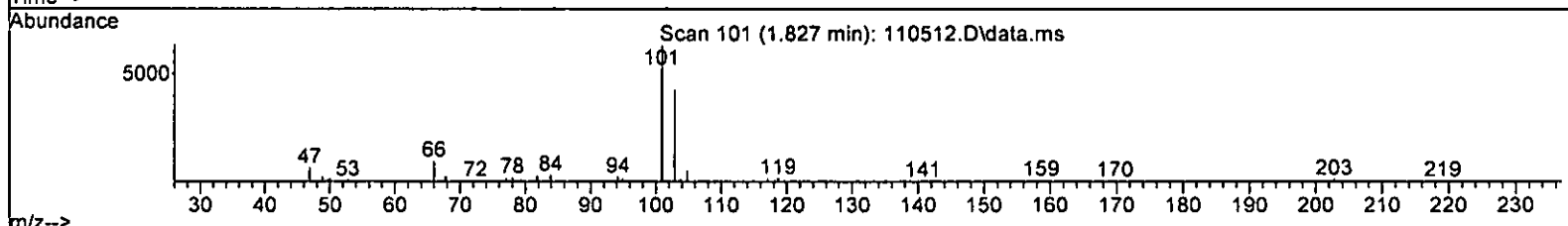
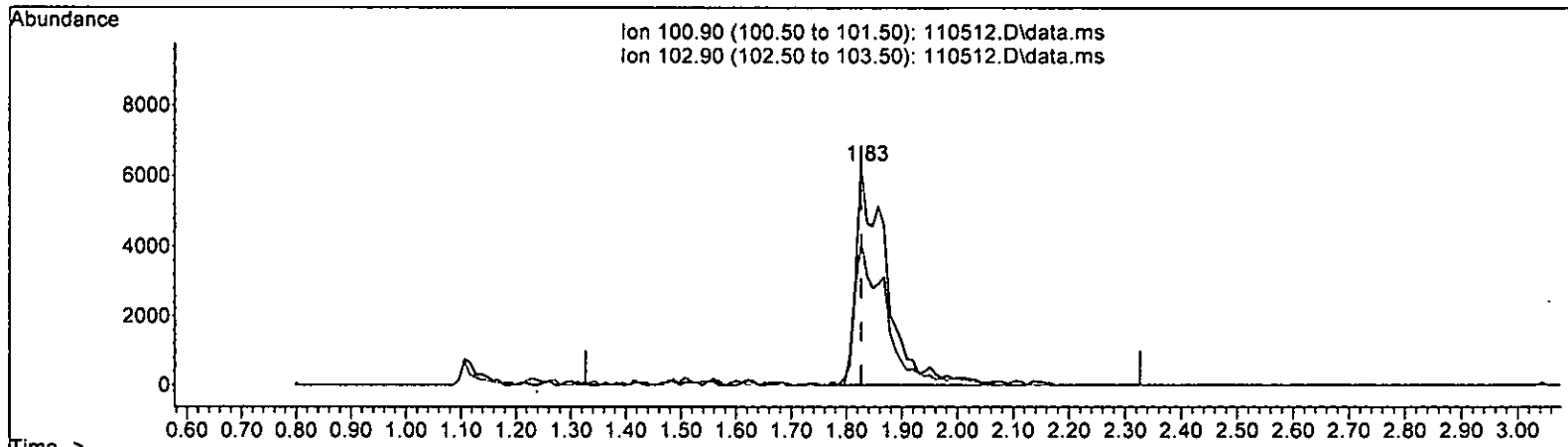
response 22448

Ion	Exp%	Act%
100.90	100.00	100.00
102.90	65.30	67.21
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110512.D
 Acq On : 05 Nov 2022 01:53 pm
 Operator : VM
 Sample : 2 ppb 8260 ICAL 67-177L
 Misc : soil/water
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:21 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110512.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.827min (-0.000) 2.100 ppb m

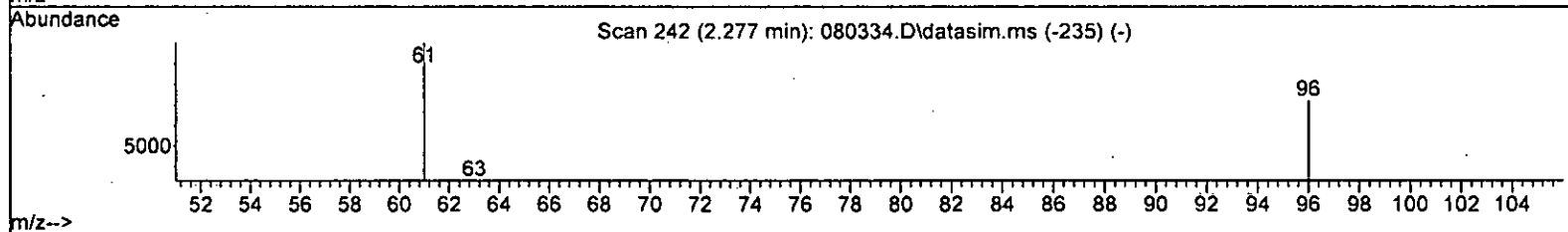
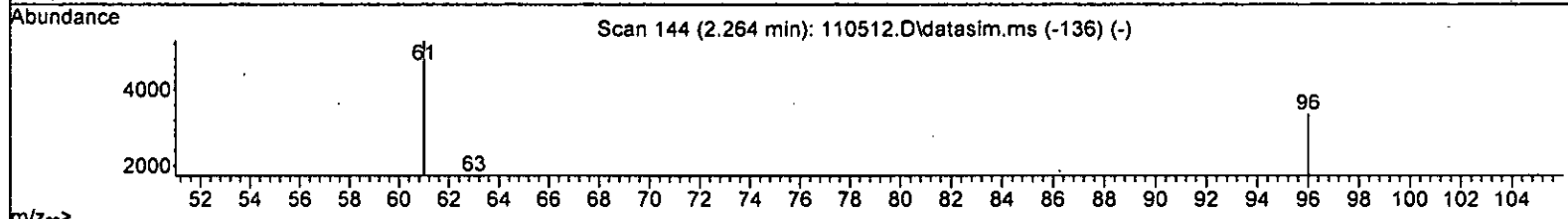
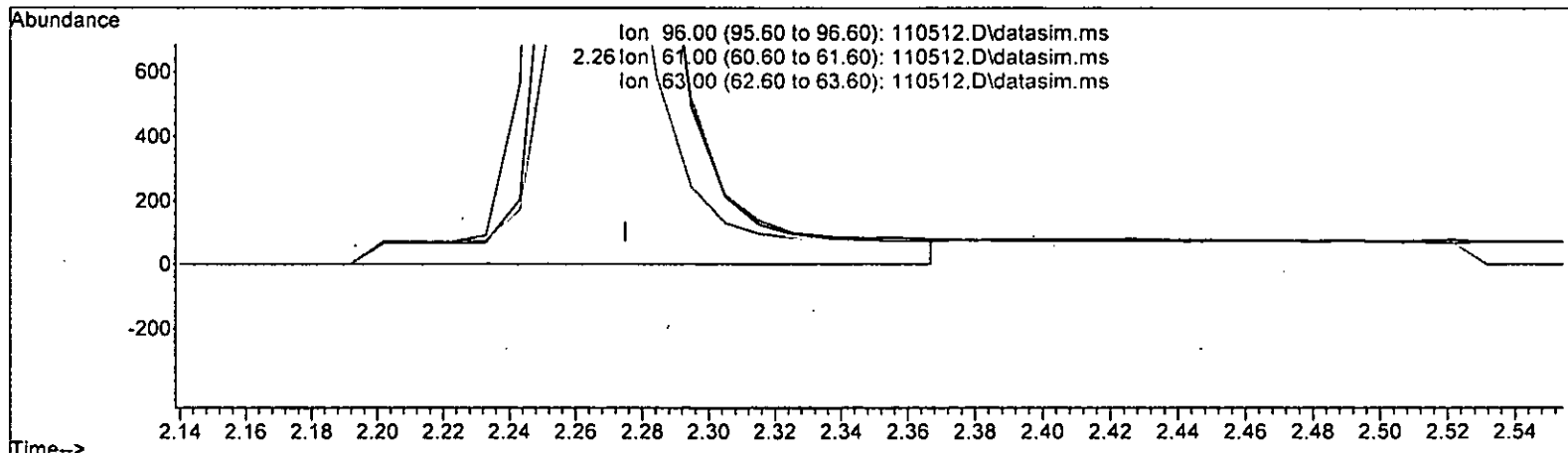
response 25555

Ion	Exp%	Act%
100.90	100.00	100.00
102.90	65.30	67.21
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110512.D
 Acq On : 05 Nov 2022 01:53 pm
 Operator : VM
 Sample : 2 ppb 8260 ICAL 67-177L
 Misc : soil/water
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:21 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110512.D\data.ms

(12) 1,1-Dichloroethene (TMP)

2.264min (-0.011) 2.133 ppb

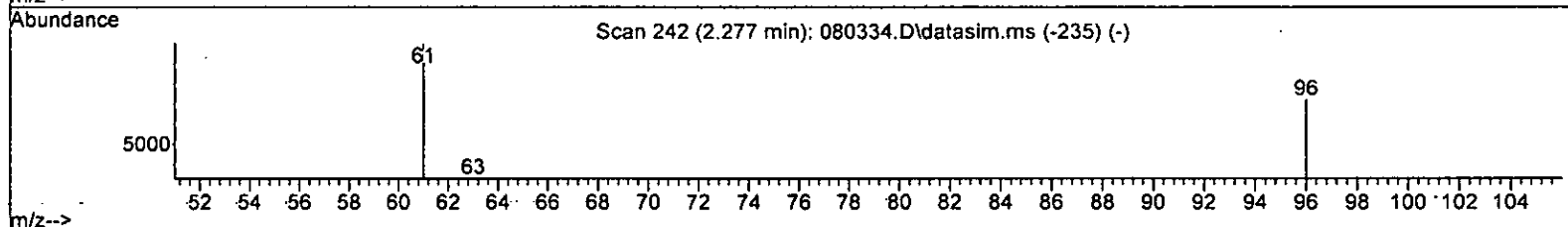
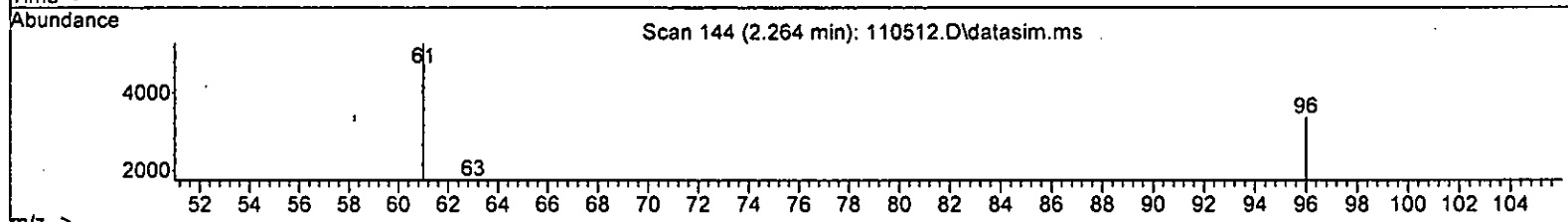
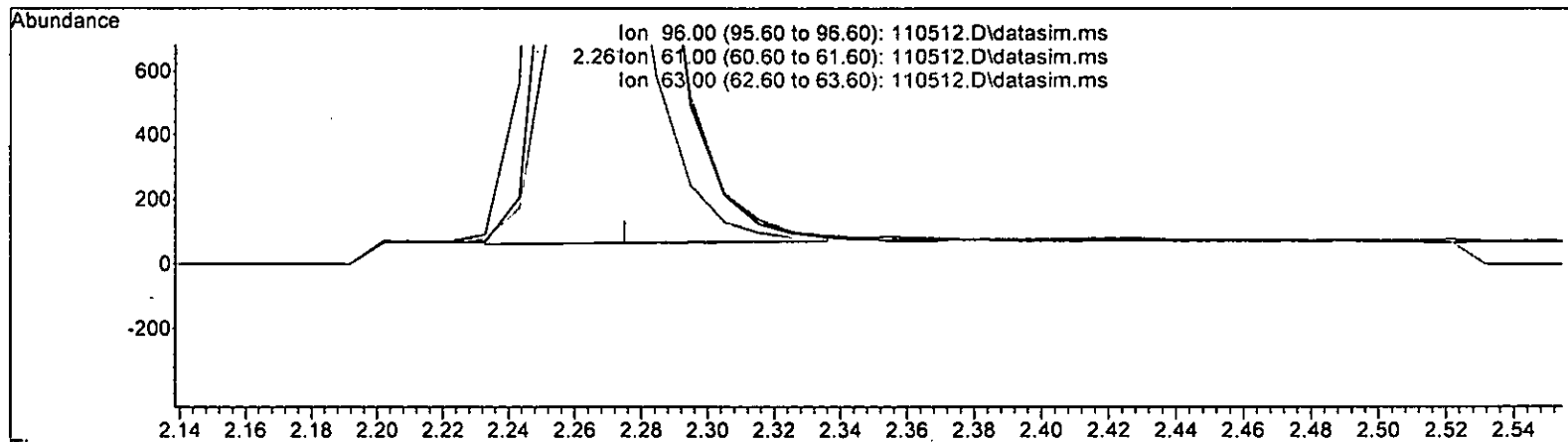
response 6584

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	120.90	157.46#
63.00	43.90	52.03
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110512.D
 Acq On : 05 Nov 2022 01:53 pm
 Operator : VM
 Sample : 2 ppb 8260 ICAL 67-177L
 Misc : soil/water
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:21 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110512.D\data.ms

(12) 1,1-Dichloroethene (TMP)
 2.264min (-0.011) 1.903 ppb m

response	5876
Ion	Exp% Act%
96.00	100.00 100.00
61.00	120.90 157.46#
63.00	43.90 52.03
0.00	0.00 0.00

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110512.D
 Acq On : 05 Nov 2022 01:53 pm
 Operator : VM
 Sample : 2 ppb 8260 ICAL 67-177L
 Misc : soil/water
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:21 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.73	96	108368	10.000	ppb	-0.01
39) Chlorobenzene-d5	7.40	117	87014	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	51026	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.17	113	34848	10.028	ppb	0.00
Spiked Amount	10.000	Range	50 - 150	Recovery	=	100.30%
30) 1,2-Dichloroethane-d4	4.45	102	6678	9.916	ppb	0.00
Spiked Amount	10.000	Range	84 - 120	Recovery	=	99.20%
35) Toluene-d8	6.10	98	103305	9.995	ppb	0.00
Spiked Amount	10.000	Range	73 - 128	Recovery	=	100.00%
57) 4-Bromofluorobenzene	8.51	95	34581	9.836	ppb	0.00
Spiked Amount	10.000	Range	57 - 146	Recovery	=	98.40%
Target Compounds						
2) Ethanol	2.32	45	504	No Calib		
4) Dichlorodifluoromethane	1.11	85	16355	1.886	ppb	97
5) Chloromethane	1.25	50	10419	1.970	ppb	78
6] Vinyl chloride	1.33	62	11090	2.008	ppb	91
7) Bromomethane	1.58	94	10442m	2.230	ppb	
8] Chloroethane	1.64	64	5241m	2.115	ppb	
9) Trichlorofluoromethane	1.83	101	25555m	2.100	ppb	
10) 2-Propanol	2.32	45	504	No Calib	#	
11) Acetone	2.32	58	2969	9.642	ppb	87
12] 1,1-Dichloroethene	2.26	96	5876m	1.903	ppb	
13) Hexane	3.16	57	7327	2.091	ppb	88
14) Methylene chloride	0.00		0	N.D.	d	
15) t-Butyl alcohol (TBA)	2.81	59	2736	10.519	ppb	99
16] Methyl t-butyl ether (...)	2.93	73	14632	2.028	ppb	100
17] trans-1,2-Dichloroethene	2.91	96	7244	2.099	ppb	80
18) Diisopropyl ether (DIPE)	3.35	45	14439	1.910	ppb	96
19] 1,1-Dichloroethane	3.27	63	10079	2.007	ppb	99
20) Ethyl t-butyl ether (E...)	3.66	87	5360	1.920	ppb	92
21) 2,2-Dichloropropane	3.76	77	5175	1.970	ppb	100
22] cis-1,2-Dichloroethene	3.77	96	7011	1.942	ppb	98
23) Chloroform	4.04	83	11605	1.988	ppb	97
24) 2-Butanone (MEK)	3.79	43	12571	9.053	ppb	87
25) t-Amyl methyl ether (T...)	4.61	73	10902	1.862	ppb	92
26] 1,2-Dichloroethane (EDC)	4.52	62	9366	2.093	ppb	93
27] 1,1,1-Trichloroethane	4.19	97	9931	1.902	ppb	94
28) 1,1-Dichloropropene	4.33	75	8339	2.117	ppb	95
29) Carbon tetrachloride	4.33	117	10050	1.912	ppb	97
31] Benzene	4.50	78	23794	1.963	ppb	99
32] Trichloroethene	5.05	95	7906	1.990	ppb	79
33) 1,2-Dichloropropane	5.24	63	5035	1.928	ppb	96
34) Bromodichloromethane	5.48	83	8331	1.988	ppb	99
36) Dibromomethane	5.35	93	4723	1.986	ppb	87

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110512.D
 Acq On : 05 Nov 2022 01:53 pm
 Operator : VM
 Sample : 2 ppb 8260 ICAL 67-177L
 Misc : soil/water
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS13

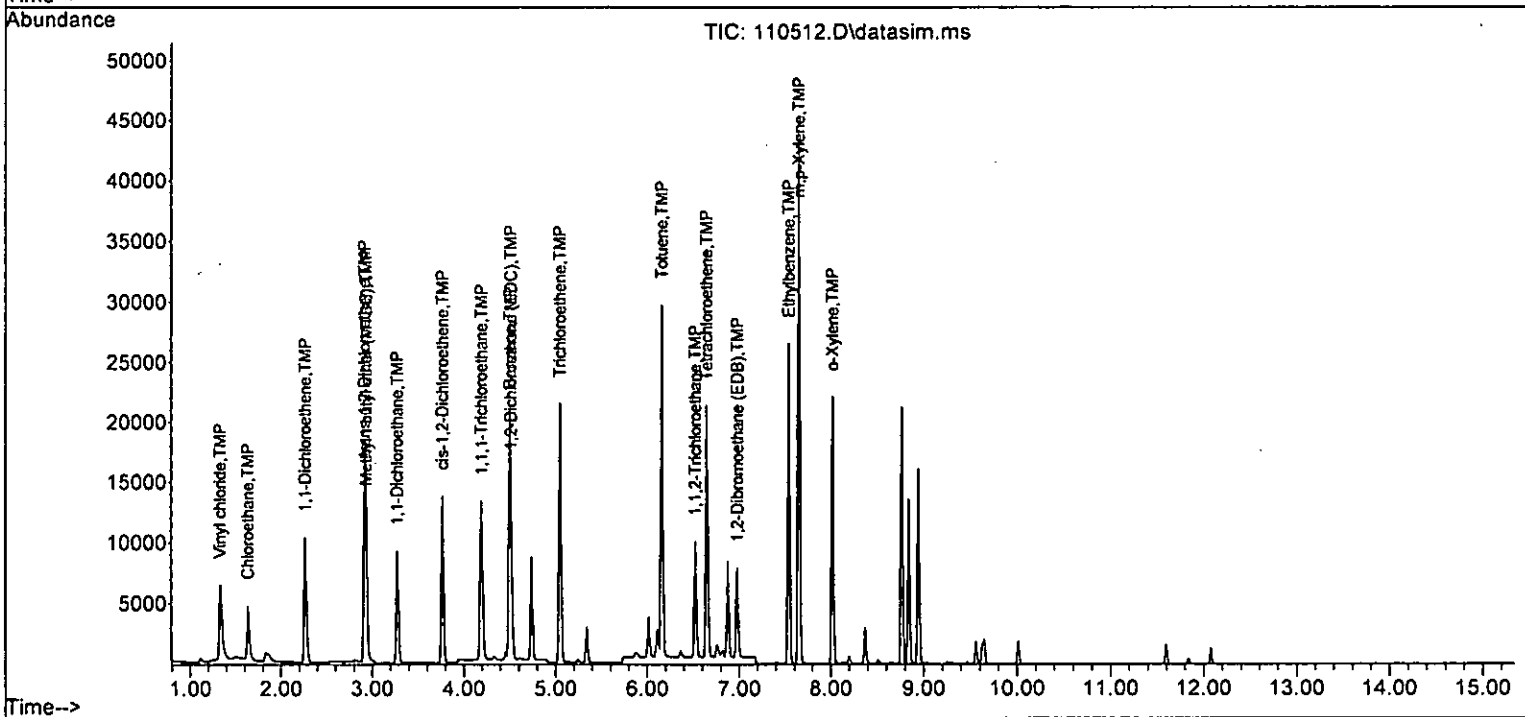
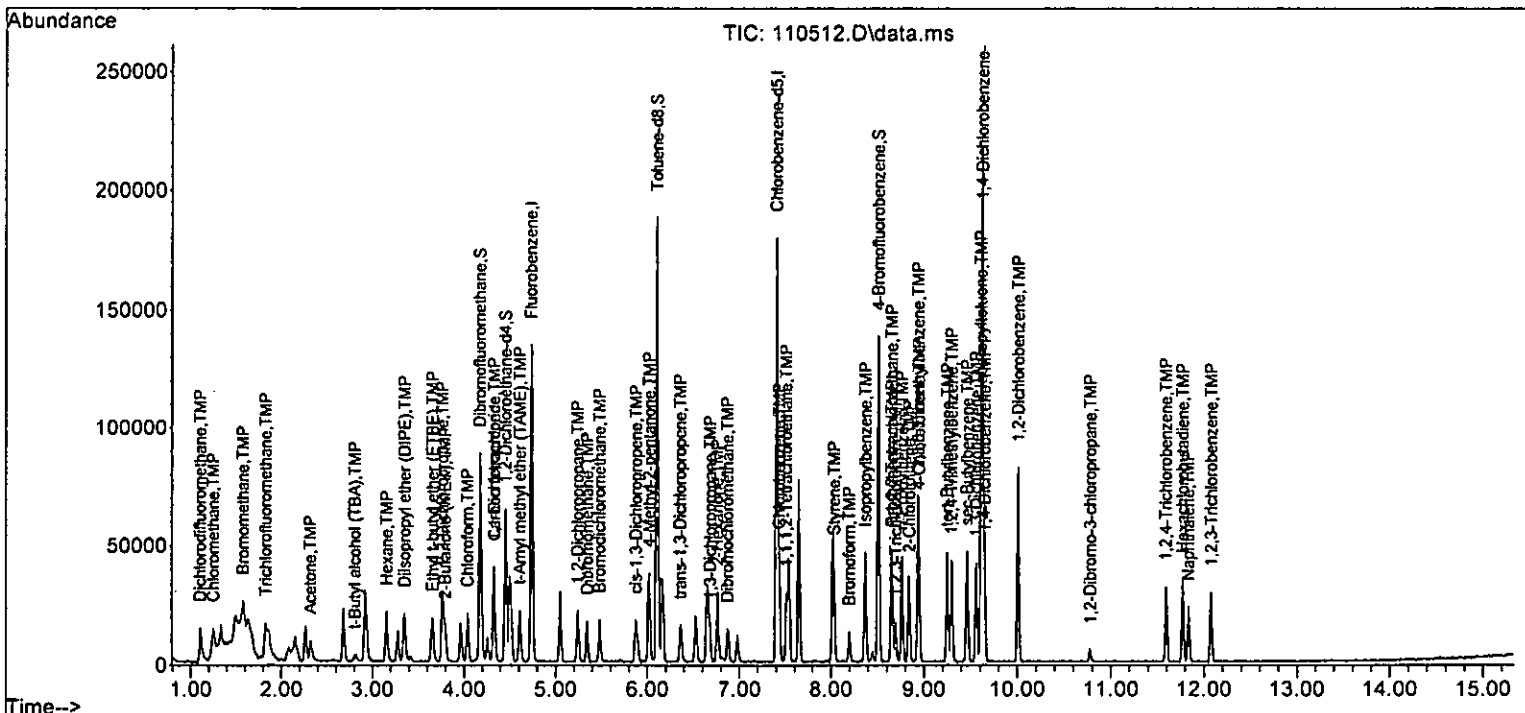
Quant Time: Nov 07 15:17:21 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	6.02	85	4592	9.988	ppb	92
38) cis-1,3-Dichloropropene	5.88	75	7183	1.841	ppb	90
40] Toluene	6.16	92	14643	2.086	ppb	98
41) trans-1,3-Dichloropropene	6.36	75	5512	1.821	ppb	86
42] 1,1,2-Trichloroethane	6.53	83	4791	2.114	ppb	91
43) 2-Hexanone	6.76	43	15983	9.690	ppb	97
44) 1,3-Dichloropropane	6.68	76	8135	2.045	ppb	95
45] Tetrachloroethene	6.65	164	7537	2.182	ppb	95
46) Dibromochloromethane	6.87	129	7274	1.932	ppb	96
47] 1,2-Dibromoethane (EDB)	6.98	107	5902	1.887	ppb	97
48) Chlorobenzene	7.43	112	17347	2.008	ppb	98
49] Ethylbenzene	7.54	91	26561	1.961	ppb	96
50] 1,1,1,2-Tetrachloroethane	7.51	131	6481	1.927	ppb	93
51] m,p-Xylene	7.65	106	20520	3.855	ppb	90
52] o-Xylene	8.02	106	9979	1.941	ppb	89
53) Styrene	8.03	104	15049	1.949	ppb	98
54) Isopropylbenzene	8.37	105	24959	1.998	ppb	88
55) Bromoform	8.20	173	4920	1.891	ppb	88
58) n-Propylbenzene	8.77	91	28670	2.081	ppb	90
59) Bromobenzene	8.65	156	8627	2.019	ppb	84
60] 1,3,5-Trimethylbenzene	8.94	105	19717	1.964	ppb	95
61] 1,1,2,2-Tetrachloroethane	8.65	83	6459	2.086	ppb	98
62] 1,2,3-Trichloropropane	8.70	75	5435	2.191	ppb	97
63) 2-Chlorotoluene	8.84	91	17398	2.109	ppb	89
64) 4-Chlorotoluene	8.95	91	19107	1.958	ppb	93
65) tert-Butylbenzene	9.25	119	19084	1.916	ppb	94
66) 1,2,4-Trimethylbenzene	9.30	105	19294	1.894	ppb	97
67) sec-Butylbenzene	9.46	105	26015	1.943	ppb	98
68) p-Isopropyltoluene	9.61	119	23218	1.906	ppb	97
69) 1,3-Dichlorobenzene	9.56	146	15492	1.985	ppb	96
70] 1,4-Dichlorobenzene	9.65	146	16442	2.060	ppb	95
71] 1,2-Dichlorobenzene	10.01	146	14649	1.974	ppb	95
72] 1,2-Dibromo-3-chloropr...	10.78	75	1202	2.183	ppb	84
73) 1,2,4-Trichlorobenzene	11.59	180	9042	1.826	ppb	87
74) Hexachlorobutadiene	11.77	225	6295	2.057	ppb	98
75) Naphthalene	11.83	128	16273	1.800	ppb	96
76) 1,2,3-Trichlorobenzene	12.08	180	8266	1.915	ppb	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110512.D
 Acq On : 05 Nov 2022 01:53 pm
 Operator : VM
 Sample : 2 ppb 8260 ICAL 67-177L
 Misc : soil/water
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:21 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110512.D
 Acq On : 05 Nov 2022 01:53 pm
 Operator : VM
 Sample : 2 ppb 8260 ICAL 67-177L
 Misc : soil/water
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:21 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I Fluorobenzene	10.000	10.000	0.0	100	-0.01
2 TMP Ethanol	-1.000	0.000	0.0	0	-0.01
3 S Dibromofluoromethane	10.000	10.028	-0.3	100	0.00
4 TMP Dichlorodifluoromethane	2.000	1.886	5.7	100	-0.01
5 TMP Chloromethane	2.000	1.970	1.5	100	-0.01
6 TMP Vinyl chloride	2.000	2.008	-0.4	106	-0.01
7 TMP Bromomethane	2.000	2.230	-11.5	134	0.00
8 TMP Chloroethane	2.000	2.115	-5.8	103	-0.01
9 TMP Trichlorofluoromethane	2.000	2.100	-5.0	100	0.00
10 TMP 2-Propanol	-1.000	0.000	0.0	0	-0.01
11 TMP Acetone	10.000	9.642	3.6	100	-0.01
12 TMP 1,1-Dichloroethene	2.000	1.903	4.8	100	-0.01
13 TMP Hexane	2.000	2.091	-4.6	100	0.00
14 TMP Methylene chloride	-1.000	0.000	0.0	0	-2.68#
15 TMP t-Butyl alcohol (TBA)	10.000	10.519	-5.2	100	-0.01
16 TMP Methyl t-butyl ether (MTBE)	2.000	2.028	-1.4	103	0.00
17 TMP trans-1,2-Dichloroethene	2.000	2.099	-5.0	109	-0.01
18 TMP Diisopropyl ether (DIPE)	2.000	1.910	4.5	100	0.00
19 TMP 1,1-Dichloroethane	2.000	2.007	-0.4	100	0.00
20 TMP Ethyl t-butyl ether (ETBE)	2.000	1.920	4.0	100	0.00
21 TMP 2,2-Dichloropropane	2.000	1.970	1.5	100	-0.01
22 TMP cis-1,2-Dichloroethene	2.000	1.942	2.9	100	0.00
23 TMP Chloroform	2.000	1.988	0.6	100	0.00
24 TMP 2-Butanone (MEK)	10.000	9.053	9.5	100	0.00
25 TMP t-Amyl methyl ether (TAME)	2.000	1.862	6.9	100	0.00
26 TMP 1,2-Dichloroethane (EDC)	2.000	2.093	-4.6	100	-0.01
27 TMP 1,1,1-Trichloroethane	2.000	1.902	4.9	100	0.00
28 TMP 1,1-Dichloropropene	2.000	2.117	-5.8	100	0.00
29 TMP Carbon tetrachloride	2.000	1.912	4.4	100	0.00
30 S 1,2-Dichloroethane-d4	10.000	9.916	0.8	100	0.00
31 TMP Benzene	2.000	1.963	1.8	100	0.00
32 TMP Trichloroethene	2.000	1.990	0.5	100	0.00
33 TMP 1,2-Dichloropropane	2.000	1.928	3.6	100	0.00
34 TMP Bromodichloromethane	2.000	1.988	0.6	100	0.00
35 S Toluene-d8	10.000	9.995	0.1	100	0.00
36 TMP Dibromomethane	2.000	1.986	0.7	100	0.00
37 TMP 4-Methyl-2-pentanone	10.000	9.988	0.1	100	0.00
38 TMP cis-1,3-Dichloropropene	2.000	1.841	8.0	100	0.00
39 I Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40 TMP Toluene	2.000	2.086	-4.3	100	0.00
41 TMP trans-1,3-Dichloropropene	2.000	1.821	9.0	100	0.00
42 TMP 1,1,2-Trichloroethane	2.000	2.114	-5.7	100	0.00
43 TMP 2-Hexanone	10.000	9.690	3.1	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110512.D
 Acq On : 05 Nov 2022 01:53 pm
 Operator : VM
 Sample : 2 ppb 8260 ICAL 67-177L
 Misc : soil/water
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:21 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	2.000	2.045	-2.2	100	0.00
45 TMP Tetrachloroethene	2.000	2.182	-9.1	100	0.00
46 TMP Dibromochloromethane	2.000	1.932	3.4	100	-0.01
47 TMP 1,2-Dibromoethane (EDB)	2.000	1.887	5.6	100	0.00
48 TMP Chlorobenzene	2.000	2.008	-0.4	100	0.00
49 TMP Ethylbenzene	2.000	1.961	1.9	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	2.000	1.927	3.6	100	0.00
51 TMP m,p-Xylene	4.000	3.855	3.6	100	0.00
52 TMP o-Xylene	2.000	1.941	2.9	100	0.00
53 TMP Styrene	2.000	1.949	2.5	100	0.00
54 TMP Isopropylbenzene	2.000	1.998	0.1	100	0.00
55 TMP Bromoform	2.000	1.891	5.4	100	0.00
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	10.000	9.836	1.6	100	0.00
58 TMP n-Propylbenzene	2.000	2.081	-4.0	100	0.00
59 TMP Bromobenzene	2.000	2.019	-1.0	100	0.00
60 TMP 1,3,5-Trimethylbenzene	2.000	1.964	1.8	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	2.000	2.086	-4.3	100	0.00
62 TMP 1,2,3-Trichloropropane	2.000	2.191	-9.5	100	0.00
63 TMP 2-Chlorotoluene	2.000	2.109	-5.4	100	0.00
64 TMP 4-Chlorotoluene	2.000	1.958	2.1	100	0.00
65 TMP tert-Butylbenzene	2.000	1.916	4.2	100	0.00
66 TMP 1,2,4-Trimethylbenzene	2.000	1.894	5.3	100	0.00
67 TMP sec-Butylbenzene	2.000	1.943	2.8	100	0.00
68 TMP p-Isopropyltoluene	2.000	1.906	4.7	100	0.00
69 TMP 1,3-Dichlorobenzene	2.000	1.985	0.7	100	0.00
70 TMP 1,4-Dichlorobenzene	2.000	2.060	-3.0	100	0.00
71 TMP 1,2-Dichlorobenzene	2.000	1.974	1.3	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	2.000	2.183	-9.1	100	0.00
73 TMP 1,2,4-Trichlorobenzene	2.000	1.826	8.7	100	0.00
74 TMP Hexachlorobutadiene	2.000	2.057	-2.8	100	0.00
75 TMP Naphthalene	2.000	1.800	10.0	100	0.00
76 TMP 1,2,3-Trichlorobenzene	2.000	1.915	4.2	100	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110512.D
 Acq On : 05 Nov 2022 01:53 pm
 Operator : VM
 Sample : 2 ppb 8260 ICAL 67-177L
 Misc : soil/water
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:21 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	1.000	1.000	0.0	100	-0.01
2 TMP	Ethanol	0.000	0.000#	0.0	0#	-0.01
3 S	Dibromofluoromethane	0.321	0.322	-0.3	100	0.00
4 TMP	Dichlorodifluoromethane	0.800	0.755	5.6	100	-0.01
5 TMP	Chloromethane	0.488	0.481	1.4	100	-0.01
6 TMP	Vinyl chloride	0.510	0.512	-0.4	106	-0.01
7 TMP	Bromomethane	0.432	0.482	-11.6	134	0.00
8 TMP	Chloroethane	0.229	0.242	-5.7	103	-0.01
9 TMP	Trichlorofluoromethane	1.123	1.179	-5.0	100	0.00
10 TMP	2-Propanol	0.000	0.000	0.0	0#	-0.01
11 TMP	Acetone	0.029	0.027	6.9	100	-0.01
12 TMP	1,1-Dichloroethene	0.285	0.271	4.9	100	-0.01
13 TMP	Hexane	0.323	0.338	-4.6	100	0.00
14 TMP	Methylene chloride	0.289	0.000#	100.0#	0#	-2.68#
15 TMP	t-Butyl alcohol (TBA)	0.024	0.025#	-4.2	100	-0.01
16 TMP	Methyl t-butyl ether (MTBE)	0.666	0.675	-1.4	103	0.00
17 TMP	trans-1,2-Dichloroethene	0.318	0.334	-5.0	109	-0.01
18 TMP	Diisopropyl ether (DIPE)	0.698	0.666	4.6	100	0.00
19 TMP	1,1-Dichloroethane	0.463	0.465	-0.4	100	0.00
20 TMP	Ethyl t-butyl ether (ETBE)	0.258	0.247	4.3	100	0.00
21 TMP	2,2-Dichloropropane	0.258	0.239	7.4	100	-0.01
22 TMP	cis-1,2-Dichloroethene	0.333	0.323	3.0	100	0.00
23 TMP	Chloroform	0.539	0.535	0.7	100	0.00
24 TMP	2-Butanone (MEK)	0.132	0.116	12.1	100	0.00
25 TMP	t-Amyl methyl ether (TAME)	0.540	0.503	6.9	100	0.00
26 TMP	1,2-Dichloroethane (EDC)	0.465	0.432	7.1	100	-0.01
27 TMP	1,1,1-Trichloroethane	0.482	0.458	5.0	100	0.00
28 TMP	1,1-Dichloropropene	0.370	0.385	-4.1	100	0.00
29 TMP	Carbon tetrachloride	0.485	0.464	4.3	100	0.00
30 S	1,2-Dichloroethane-d4	0.062	0.062	0.0	100	0.00
31 TMP	Benzene	1.118	1.098	1.8	100	0.00
32 TMP	Trichloroethene	0.367	0.365	0.5	100	0.00
33 TMP	1,2-Dichloropropane	0.241	0.232	3.7	100	0.00
34 TMP	Bromodichloromethane	0.387	0.384	0.8	100	0.00
35 S	Toluene-d8	0.954	0.953	0.1	100	0.00
36 TMP	Dibromomethane	0.219	0.218	0.5	100	0.00
37 TMP	4-Methyl-2-pentanone	0.042	0.042	0.0	100	0.00
38 TMP	cis-1,3-Dichloropropene	0.360	0.331	8.1	100	0.00
39 I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40 TMP	Toluene	0.907	0.841	7.3	100	0.00
41 TMP	trans-1,3-Dichloropropene	0.366	0.317	13.4	100	0.00
42 TMP	1,1,2-Trichloroethane	0.285	0.275	3.5	100	0.00
43 TMP	2-Hexanone	0.190	0.184	3.2	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110512.D
 Acq On : 05 Nov 2022 01:53 pm
 Operator : VM
 Sample : 2 ppb 8260 ICAL 67-177L
 Misc : soil/water
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:21 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.457	0.467	-2.2	100	0.00
45 TMP Tetrachloroethene	0.460	0.433	5.9	100	0.00
46 TMP Dibromochloromethane	0.451	0.418	7.3	100	-0.01
47 TMP 1,2-Dibromoethane (EDB)	0.360	0.339	5.8	100	0.00
48 TMP Chlorobenzene	0.993	0.997	-0.4	100	0.00
49 TMP Ethylbenzene	1.557	1.526	2.0	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.387	0.372	3.9	100	0.00
51 TMP m,p-Xylene	0.612	0.590	3.6	100	0.00
52 TMP o-Xylene	0.591	0.573	3.0	100	0.00
53 TMP Styrene	0.887	0.865	2.5	100	0.00
54 TMP Isopropylbenzene	1.435	1.434	0.1	100	0.00
55 TMP Bromoform	0.299	0.283	5.4	100	0.00
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	0.689	0.678	1.6	100	0.00
58 TMP n-Propylbenzene	2.700	2.809	-4.0	100	0.00
59 TMP Bromobenzene	0.837	0.845	-1.0	100	0.00
60 TMP 1,3,5-Trimethylbenzene	1.968	1.932	1.8	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.626	0.633	-1.1	100	0.00
62 TMP 1,2,3-Trichloropropane	0.486	0.533	-9.7	100	0.00
63 TMP 2-Chlorotoluene	1.617	1.705	-5.4	100	0.00
64 TMP 4-Chlorotoluene	1.912	1.872	2.1	100	0.00
65 TMP tert-Butylbenzene	1.952	1.870	4.2	100	0.00
66 TMP 1,2,4-Trimethylbenzene	1.996	1.891	5.3	100	0.00
67 TMP sec-Butylbenzene	2.624	2.549	2.9	100	0.00
68 TMP p-Isopropyltoluene	2.387	2.275	4.7	100	0.00
69 TMP 1,3-Dichlorobenzene	1.530	1.518	0.8	100	0.00
70 TMP 1,4-Dichlorobenzene	1.564	1.611	-3.0	100	0.00
71 TMP 1,2-Dichlorobenzene	1.455	1.435	1.4	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	0.108	0.118	-9.3	100	0.00
73 TMP 1,2,4-Trichlorobenzene	0.971	0.886	8.8	100	0.00
74 TMP Hexachlorobutadiene	0.600	0.617	-2.8	100	0.00
75 TMP Naphthalene	1.833	1.595	13.0	100	0.00
76 TMP 1,2,3-Trichlorobenzene	0.846	0.810	4.3	100	0.00

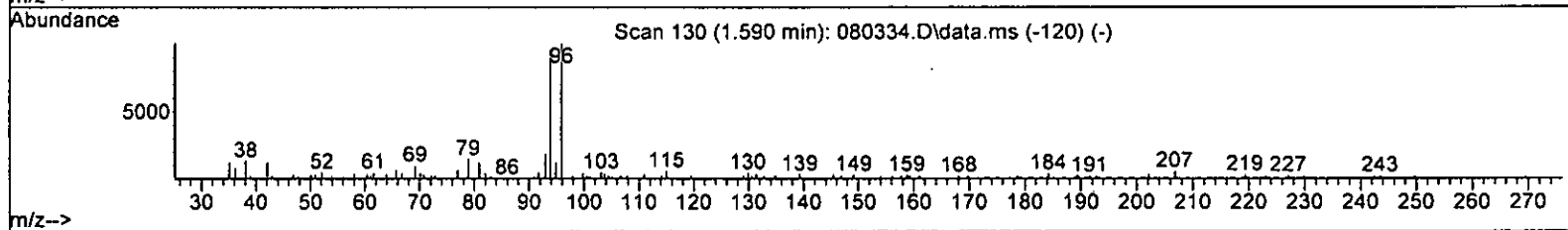
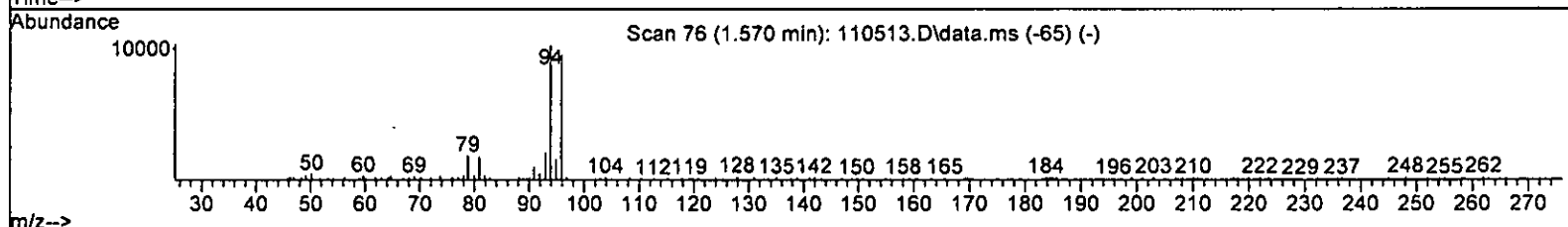
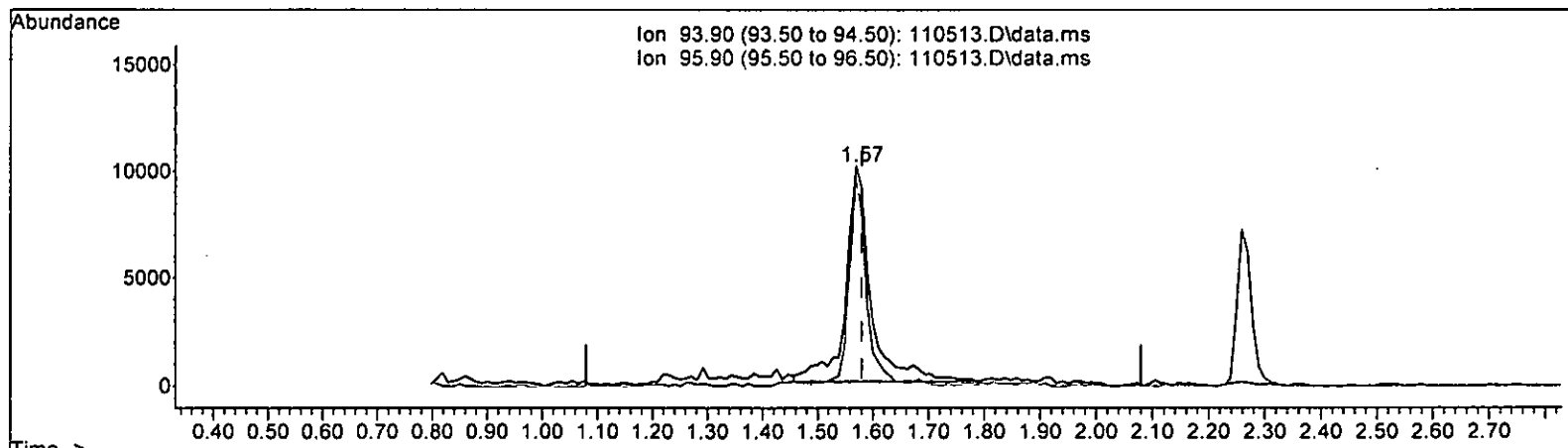
(#) = Out of Range

SPCC's out = 3 CCC's out = 0

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110513.D
 Acq On : 05 Nov 2022 02:16 pm
 Operator : VM
 Sample : 5 ppb 8260 ICAL 67-177M
 Misc : soil/water
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:23 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



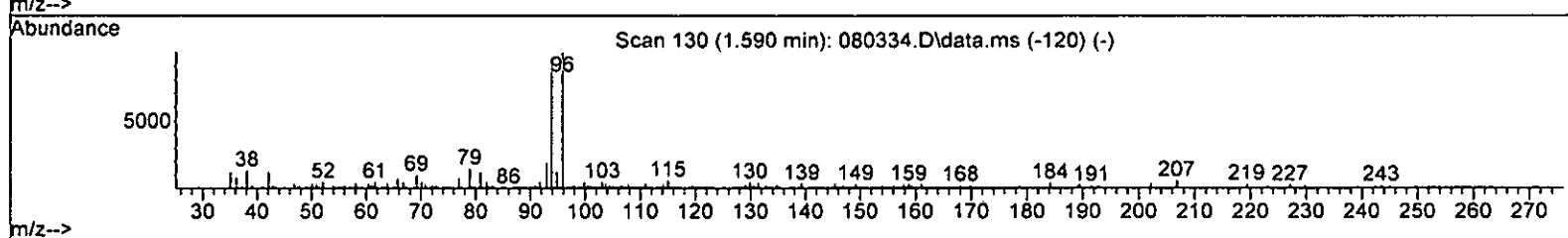
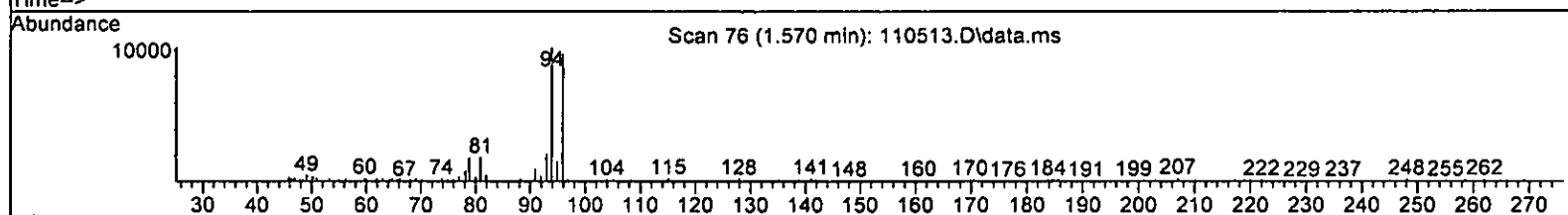
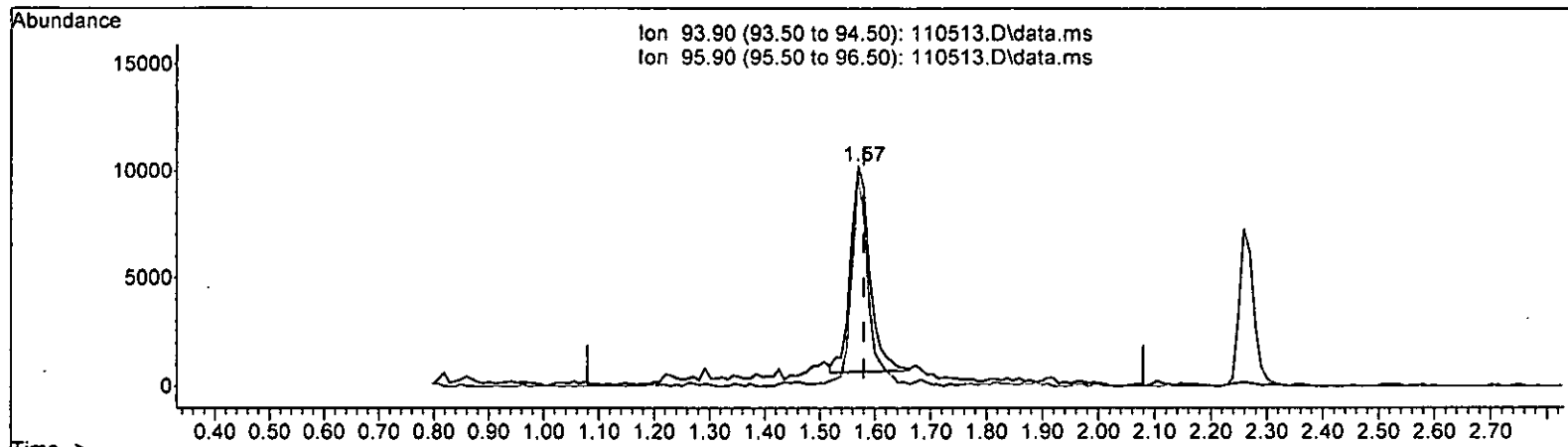
TIC: 110513.D\data.ms

(7) Bromomethane (TMP)		
Time (min)	Response	Concentration (ppb)
1.570 (-0.010)	31464	6.638
Ion	Exp%	Act%
93.90	100.00	100.00
95.90	93.50	95.95
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110513.D
 Acq On : 05 Nov 2022 02:16 pm
 Operator : VM
 Sample : 5 ppb 8260 ICAL 67-177M
 Misc : soil/water
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:23 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110513.D\data.ms

(7) Bromomethane (TMP)

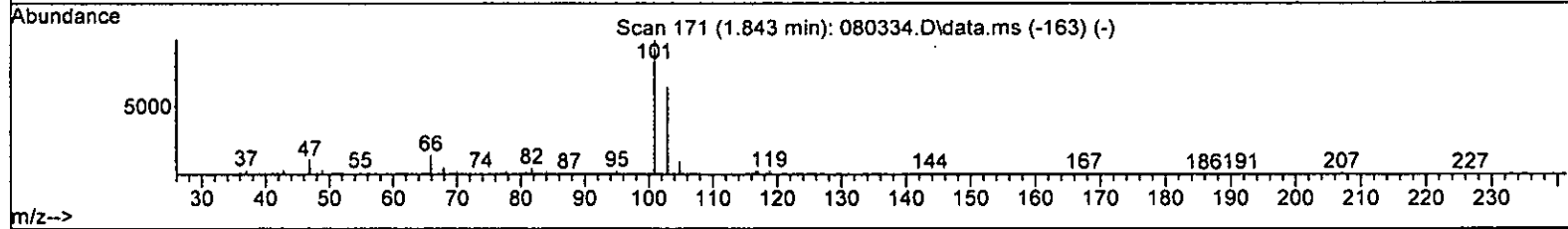
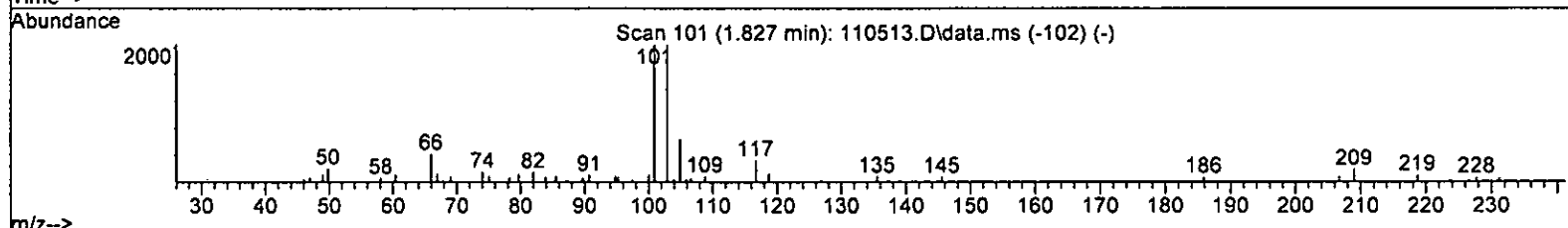
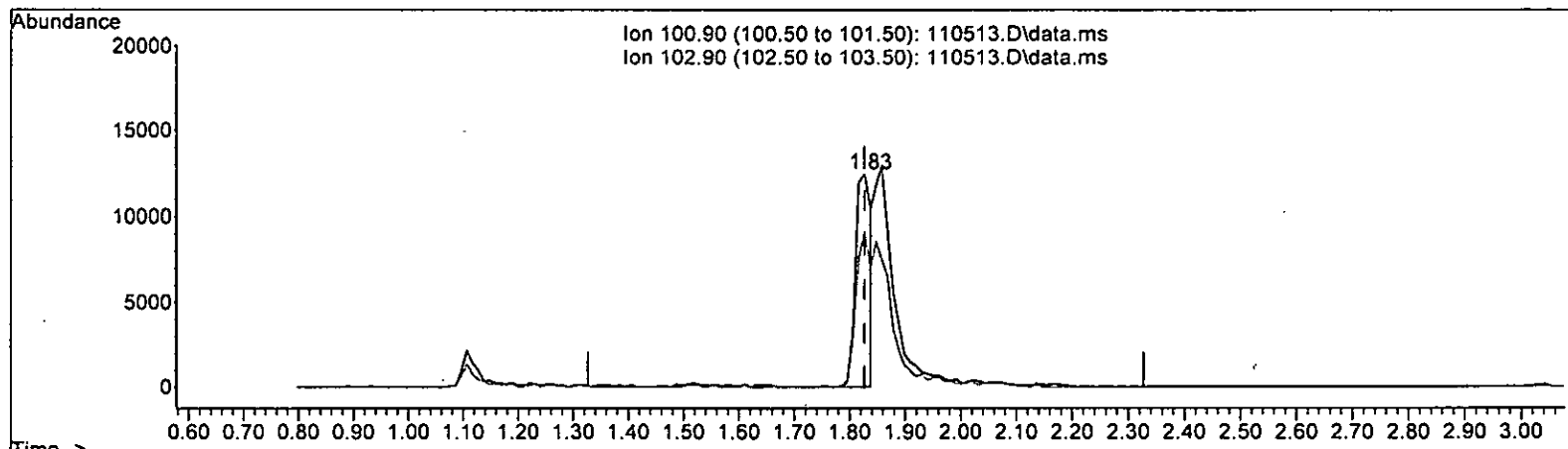
1.570min (-0.010) 4.882 ppb m

response	23141
Ion	Exp% Act%
93.90	100.00 100.00
95.90	93.50 94.58
0.00	0.00 0.00
0.00	0.00 0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110513.D
 Acq On : 05 Nov 2022 02:16 pm
 Operator : VM
 Sample : 5 ppb 8260 ICAL 67-177M
 Misc : soil/water
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:23 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110513.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.827min (-0.000) 1.929 ppb

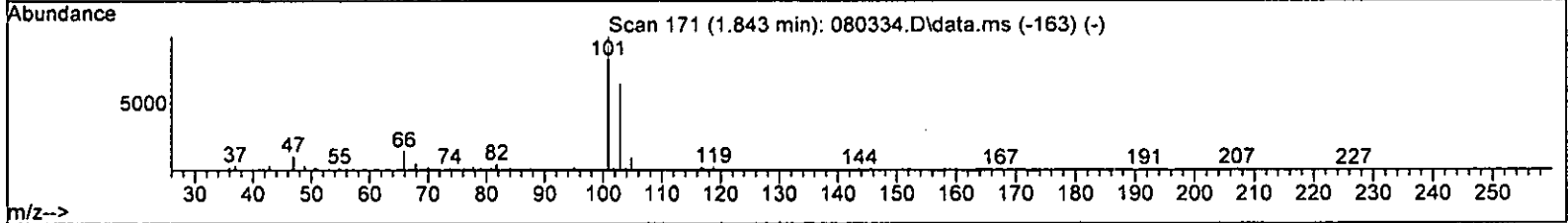
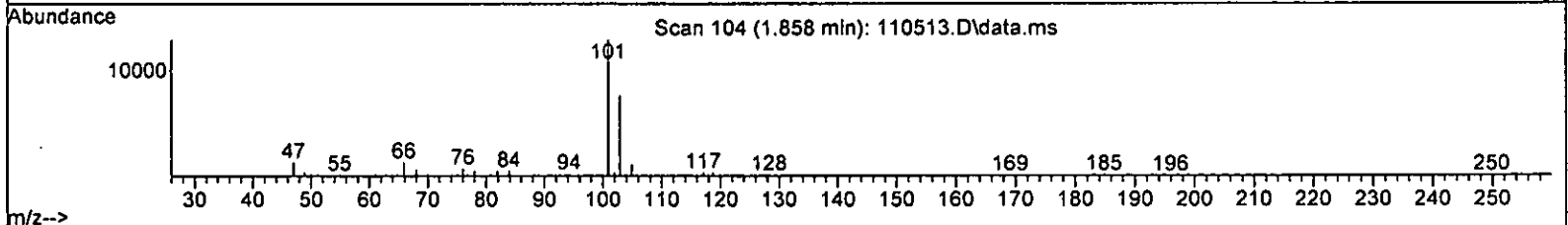
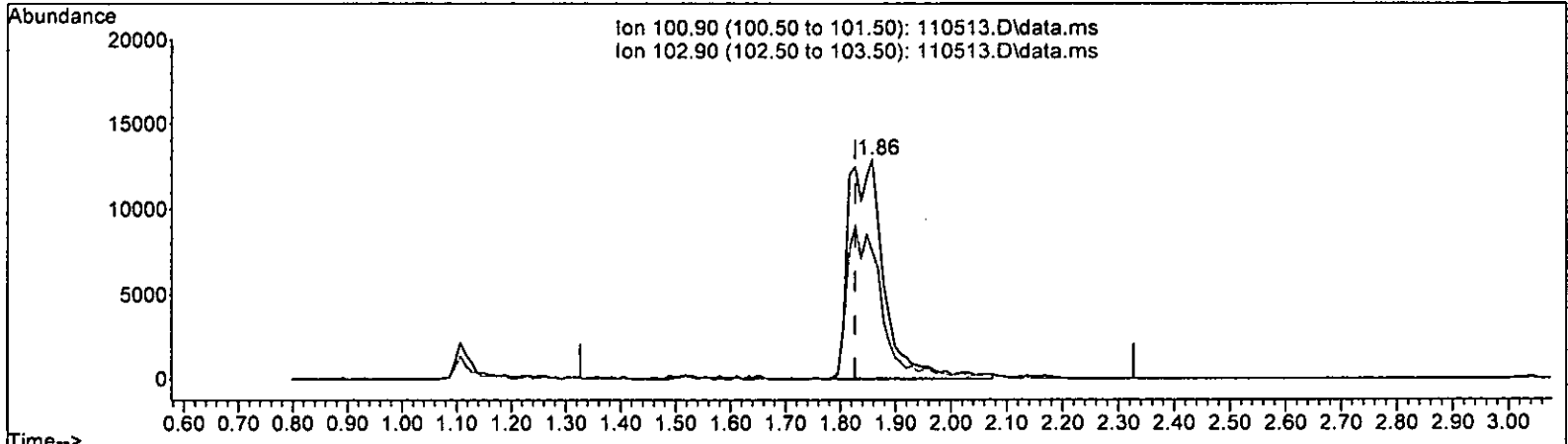
response 23763

Ion	Exp%	Act%
100.90	100.00	100.00
102.90	65.30	72.85
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110513.D
 Acq On : 05 Nov 2022 02:16 pm
 Operator : VM
 Sample : 5 ppb 8260 ICAL 67-177M
 Misc : soil/water
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:23 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110513.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.858min (+ 0.031) 4.960 ppb m

response 61115

Ion	Exp%	Act%
100.90	100.00	100.00
102.90	65.30	58.38
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110513.D
 Acq On : 05 Nov 2022 02:16 pm
 Operator : VM
 Sample : 5 ppb 8260 ICAL 67-177M
 Misc : soil/water
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:23 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	4.73	96	109707	10.000	ppb	-0.01
39) Chlorobenzene-d5	7.40	117	88629	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	50120	10.000	ppb	0.00

System Monitoring Compounds						
3) Dibromofluoromethane	4.17	113	34176	9.714	ppb	0.00
Spiked Amount	10.000	Range	50 - 150	Recovery	=	97.10%
30) 1,2-Dichloroethane-d4	4.45	102	6631	9.726	ppb	0.00
Spiked Amount	10.000	Range	84 - 120	Recovery	=	97.30%
35) Toluene-d8	6.11	98	103918	9.932	ppb	0.00
Spiked Amount	10.000	Range	73 - 128	Recovery	=	99.30%
57) 4-Bromofluorobenzene	8.51	95	34646	10.032	ppb	0.00
Spiked Amount	10.000	Range	57 - 146	Recovery	=	100.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Ethanol	2.33	45	365	No Calib		
4) Dichlorodifluoromethane	1.11	85	39970	4.554	ppb	97
5) Chloromethane	1.25	50	25956	4.847	ppb	97
6] Vinyl chloride	1.33	62	26239	4.692	ppb	94
7) Bromomethane	1.57	94	23141m	4.882	ppb	
8] Chloroethane	1.64	64	12441	4.959	ppb	97
9) Trichlorofluoromethane	1.86	101	61115m	4.960	ppb	
10] 2-Propanol	2.33	45	365	No Calib	#	
11) Acetone	2.33	58	6296	21.279	ppb	# 86
12] 1,1-Dichloroethene	2.26	96	14896	4.766	ppb	84
13) Hexane	3.16	57	16668	4.700	ppb	95
14) Methylene chloride	2.68	84	17937	4.905	ppb	94
15) t-Butyl alcohol (TBA)	2.82	59	5799	22.023	ppb	82
16] Methyl t-butyl ether (...)	2.93	73	34475	4.720	ppb	99
17] trans-1,2-Dichloroethene	2.91	96	16527	4.730	ppb	83
18) Diisopropyl ether (DIPE)	3.35	45	35750	4.670	ppb	96
19] 1,1-Dichloroethane	3.27	63	23872	4.696	ppb	97
20] Ethyl t-butyl ether (E...)	3.65	87	12223	4.325	ppb	# 76
21) 2,2-Dichloropropane	3.76	77	11875	4.501	ppb	91
22] cis-1,2-Dichloroethene	3.77	96	17811	4.873	ppb	96
23) Chloroform	4.04	83	28521	4.827	ppb	100
24) 2-Butanone (MEK)	3.79	43	26467	19.098	ppb	97
25) t-Amyl methyl ether (T...)	4.61	73	26822	4.524	ppb	93
26] 1,2-Dichloroethane (EDC)	4.52	62	22233	4.963	ppb	92
27] 1,1,1-Trichloroethane	4.19	97	23900	4.521	ppb	94
28) 1,1-Dichloropropene	4.33	75	19020	4.792	ppb	94
29) Carbon tetrachloride	4.33	117	23496	4.415	ppb	98
31] Benzene	4.50	78	56905	4.638	ppb	100
32] Trichloroethene	5.05	95	18837	4.685	ppb	# 78
33) 1,2-Dichloropropane	5.24	63	12455	4.712	ppb	96
34) Bromodichloromethane	5.48	83	19920	4.697	ppb	91
36) Dibromomethane	5.34	93	10758	4.468	ppb	89

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110513.D
 Acq On : 05 Nov 2022 02:16 pm
 Operator : VM
 Sample : 5 ppb 8260 ICAL 67-177M
 Misc : soil/water
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS13

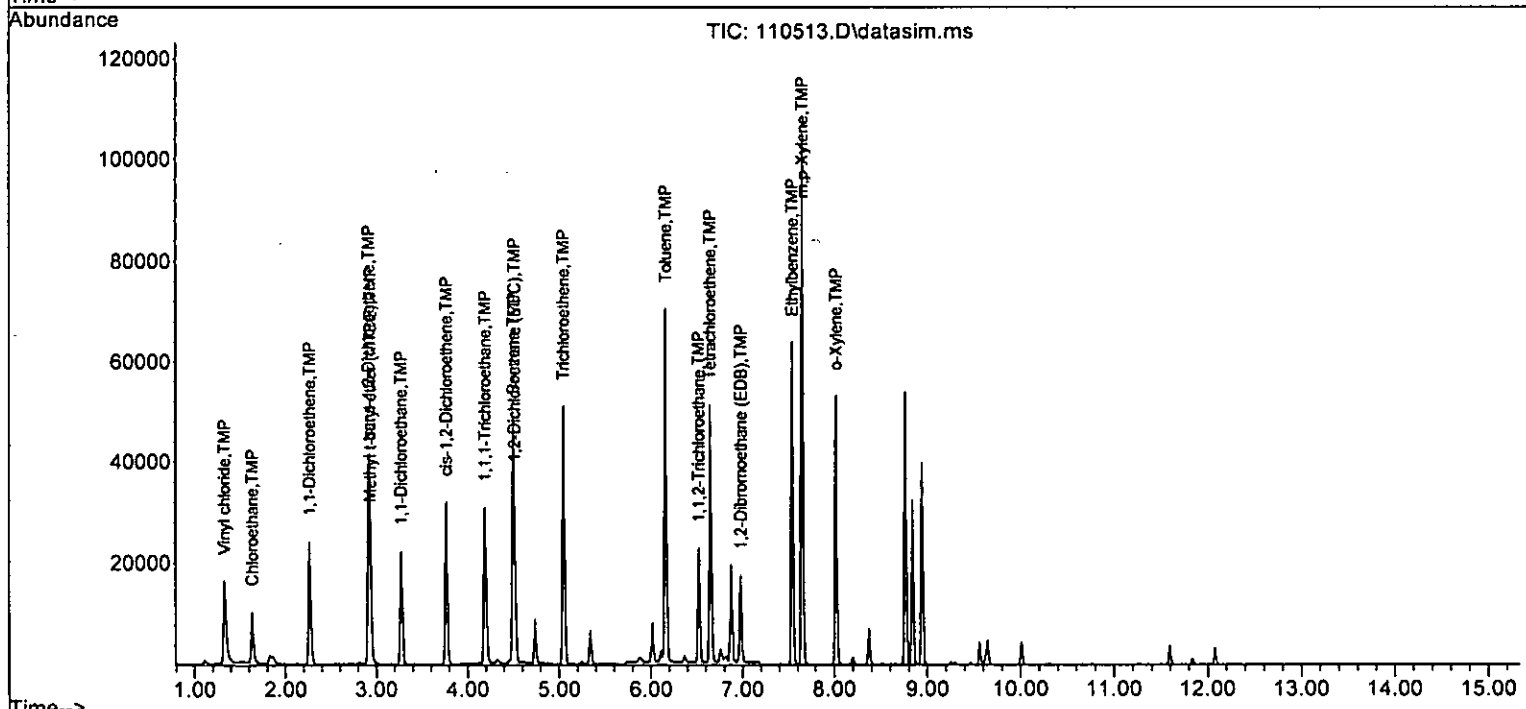
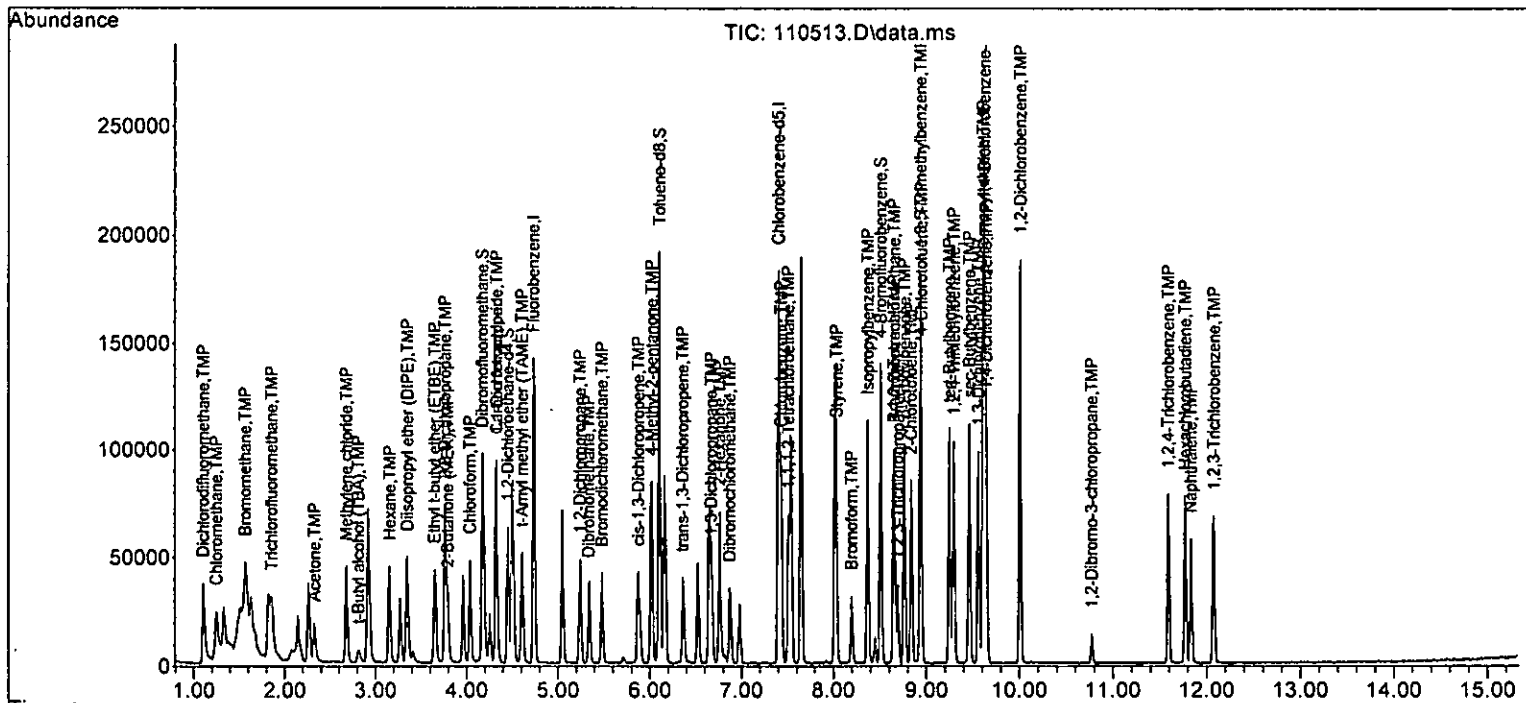
Quant Time: Nov 07 15:17:23 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	6.02	85	9919	21.312	ppb	96
38) cis-1,3-Dichloropropene	5.88	75	16892	4.276	ppb	94
40] Toluene	6.16	92	35268	4.956	ppb	97
41) trans-1,3-Dichloropropene	6.36	75	13495	4.357	ppb	90
42] 1,1,2-Trichloroethane	6.53	83	11288	4.911	ppb	89
43) 2-Hexanone	6.76	43	37305	22.205	ppb	97
44) 1,3-Dichloropropane	6.67	76	19946	4.922	ppb	97
45] Tetrachloroethene	6.65	164	17803	5.084	ppb	95
46) Dibromochloromethane	6.87	129	17976	4.719	ppb	96
47] 1,2-Dibromoethane (EDB)	6.98	107	14430	4.528	ppb	98
48) Chlorobenzene	7.43	112	41631	4.730	ppb	95
49] Ethylbenzene	7.54	91	64516	4.675	ppb	95
50) 1,1,1,2-Tetrachloroethane	7.51	131	15366	4.485	ppb	89
51] m,p-Xylene	7.65	106	50138	9.246	ppb	89
52] o-Xylene	8.02	106	24168	4.616	ppb	88
53) Styrene	8.03	104	36124	4.594	ppb	96
54) Isopropylbenzene	8.37	105	61384	4.825	ppb	95
55) Bromoform	8.20	173	11869	4.479	ppb	94
58) n-Propylbenzene	8.77	91	66876	4.943	ppb	93
59) Bromobenzene	8.65	156	19920	4.746	ppb #	80
60) 1,3,5-Trimethylbenzene	8.94	105	48534	4.921	ppb	94
61) 1,1,2,2-Tetrachloroethane	8.65	83	15253	5.160	ppb	92
62) 1,2,3-Trichloropropane	8.70	75	11548	4.739	ppb	94
63) 2-Chlorotoluene	8.84	91	40265	4.969	ppb	94
64) 4-Chlorotoluene	8.95	91	46593	4.862	ppb	89
65) tert-Butylbenzene	9.25	119	45776	4.679	ppb	96
66) 1,2,4-Trimethylbenzene	9.30	105	47789	4.776	ppb	96
67) sec-Butylbenzene	9.46	105	63733	4.846	ppb	94
68) p-Isopropyltoluene	9.61	119	57271	4.787	ppb	95
69) 1,3-Dichlorobenzene	9.56	146	37190	4.851	ppb	96
70) 1,4-Dichlorobenzene	9.64	146	38104	4.861	ppb	95
71) 1,2-Dichlorobenzene	10.01	146	35540	4.875	ppb	96
72) 1,2-Dibromo-3-chloropr...	10.77	75	2516	4.652	ppb	89
73) 1,2,4-Trichlorobenzene	11.59	180	21952	4.513	ppb	96
74) Hexachlorobutadiene	11.77	225	13843	4.605	ppb	98
75) Naphthalene	11.83	128	40939	4.473	ppb	100
76) 1,2,3-Trichlorobenzene	12.08	180	19554	4.612	ppb	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110513.D
 Acq On : 05 Nov 2022 02:16 pm
 Operator : VM
 Sample : 5 ppb 8260 ICAL 67-177M
 Misc : soil/water
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:23 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110513.D
 Acq On : 05 Nov 2022 02:16 pm
 Operator : VM
 Sample : 5 ppb 8260 ICAL 67-177M
 Misc : soil/water
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Quant Time: Nov 07 15:17:23 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I Fluorobenzene	10.000	10.000	0.0	100	-0.01
2 TMP Ethanol	-1.000	0.000	0.0	0	0.00
3 S Dibromofluoromethane	10.000	9.714	2.9	100	0.00
4 TMP Dichlorodifluoromethane	5.000	4.554	8.9	100	-0.01
5 TMP Chloromethane	5.000	4.847	3.1	100	-0.01
6 TMP Vinyl chloride	5.000	4.692	6.2	100	-0.01
7 TMP Bromomethane	5.000	4.882	2.4	86	-0.01
8 TMP Chloroethane	5.000	4.959	0.8	100	-0.01
9 TMP Trichlorofluoromethane	5.000	4.960	0.8	100	0.03
10 TMP 2-Propanol	-1.000	0.000	0.0	0	0.00
11 TMP Acetone	25.000	21.279	14.9	100	0.00
12 TMP 1,1-Dichloroethene	5.000	4.766	4.7	100	-0.01
13 TMP Hexane	5.000	4.700	6.0	100	0.00
14 TMP Methylene chloride	5.000	4.905	1.9	100	0.00
15 TMP t-Butyl alcohol (TBA)	25.000	22.023	11.9	100	0.00
16 TMP Methyl t-butyl ether (MTBE)	5.000	4.720	5.6	100	0.00
17 TMP trans-1,2-Dichloroethene	5.000	4.730	5.4	100	-0.01
18 TMP Diisopropyl ether (DIPE)	5.000	4.670	6.6	100	0.00
19 TMP 1,1-Dichloroethane	5.000	4.696	6.1	100	0.00
20 TMP Ethyl t-butyl ether (ETBE)	5.000	4.325	13.5	100	-0.01
21 TMP 2,2-Dichloropropane	5.000	4.501	10.0	100	-0.01
22 TMP cis-1,2-Dichloroethene	5.000	4.873	2.5	100	0.00
23 TMP Chloroform	5.000	4.827	3.5	100	0.00
24 TMP 2-Butanone (MEK)	25.000	19.098	23.6#	100	0.00
25 TMP t-Amyl methyl ether (TAME)	5.000	4.524	9.5	100	0.00
26 TMP 1,2-Dichloroethane (EDC)	5.000	4.963	0.7	99	-0.01
27 TMP 1,1,1-Trichloroethane	5.000	4.521	9.6	100	0.00
28 TMP 1,1-Dichloropropene	5.000	4.792	4.2	100	0.00
29 TMP Carbon tetrachloride	5.000	4.415	11.7	100	0.00
30 S 1,2-Dichloroethane-d4	10.000	9.726	2.7	100	0.00
31 TMP Benzene	5.000	4.638	7.2	100	0.00
32 TMP Trichloroethene	5.000	4.685	6.3	100	0.00
33 TMP 1,2-Dichloropropane	5.000	4.712	5.8	100	0.00
34 TMP Bromodichloromethane	5.000	4.697	6.1	100	0.00
35 S Toluene-d8	10.000	9.932	0.7	100	0.00
36 TMP Dibromomethane	5.000	4.468	10.6	100	-0.01
37 TMP 4-Methyl-2-pentanone	25.000	21.312	14.8	100	0.00
38 TMP cis-1,3-Dichloropropene	5.000	4.276	14.5	100	0.00
39 I Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40 TMP Toluene	5.000	4.956	0.9	100	0.00
41 TMP trans-1,3-Dichloropropene	5.000	4.357	12.9	100	0.00
42 TMP 1,1,2-Trichloroethane	5.000	4.911	1.8	100	0.00
43 TMP 2-Hexanone	25.000	22.205	11.2	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110513.D
 Acq On : 05 Nov 2022 02:16 pm
 Operator : VM
 Sample : 5 ppb 8260 ICAL 67-177M
 Misc : soil/water
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:23 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	5.000	4.922	1.6	100	-0.01
45 TMP Tetrachloroethene	5.000	5.084	-1.7	100	0.00
46 TMP Dibromochloromethane	5.000	4.719	5.6	100	-0.01
47 TMP 1,2-Dibromoethane (EDB)	5.000	4.528	9.4	100	0.00
48 TMP Chlorobenzene	5.000	4.730	5.4	100	0.00
49 TMP Ethylbenzene	5.000	4.675	6.5	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	5.000	4.485	10.3	100	0.00
51 TMP m,p-Xylene	10.000	9.246	7.5	100	0.00
52 TMP o-Xylene	5.000	4.616	7.7	100	0.00
53 TMP Styrene	5.000	4.594	8.1	100	0.00
54 TMP Isopropylbenzene	5.000	4.825	3.5	100	0.00
55 TMP Bromoform	5.000	4.479	10.4	100	0.00
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	10.000	10.032	-0.3	100	0.00
58 TMP n-Propylbenzene	5.000	4.943	1.1	100	0.00
59 TMP Bromobenzene	5.000	4.746	5.1	100	0.00
60 TMP 1,3,5-Trimethylbenzene	5.000	4.921	1.6	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	5.000	5.160	-3.2	100	0.00
62 TMP 1,2,3-Trichloropropane	5.000	4.739	5.2	100	0.00
63 TMP 2-Chlorotoluene	5.000	4.969	0.6	100	0.00
64 TMP 4-Chlorotoluene	5.000	4.862	2.8	100	0.00
65 TMP tert-Butylbenzene	5.000	4.679	6.4	100	0.00
66 TMP 1,2,4-Trimethylbenzene	5.000	4.776	4.5	100	0.00
67 TMP sec-Butylbenzene	5.000	4.846	3.1	100	0.00
68 TMP p-Isopropyltoluene	5.000	4.787	4.3	100	0.00
69 TMP 1,3-Dichlorobenzene	5.000	4.851	3.0	100	0.00
70 TMP 1,4-Dichlorobenzene	5.000	4.861	2.8	100	0.00
71 TMP 1,2-Dichlorobenzene	5.000	4.875	2.5	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	5.000	4.652	7.0	100	0.00
73 TMP 1,2,4-Trichlorobenzene	5.000	4.513	9.7	100	0.00
74 TMP Hexachlorobutadiene	5.000	4.605	7.9	100	0.00
75 TMP Naphthalene	5.000	4.473	10.5	100	0.00
76 TMP 1,2,3-Trichlorobenzene	5.000	4.612	7.8	100	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110513.D
 Acq On : 05 Nov 2022 02:16 pm
 Operator : VM
 Sample : 5 ppb 8260 ICAL 67-177M
 Misc : soil/water
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:23 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I Fluorobenzene	1.000	1.000	0.0	100	-0.01
2 TMP Ethanol	0.000	0.000#	0.0	0#	0.00
3 S Dibromofluoromethane	0.321	0.312	2.8	100	0.00
4 TMP Dichlorodifluoromethane	0.800	0.729	8.9	100	-0.01
5 TMP Chloromethane	0.488	0.473	3.1	100	-0.01
6 TMP Vinyl chloride	0.510	0.478	6.3	100	-0.01
7 TMP Bromomethane	0.432	0.422	2.3	86	-0.01
8 TMP Chloroethane	0.229	0.227	0.9	100	-0.01
9 TMP Trichlorofluoromethane	1.123	1.114	0.8	100	0.03
10 TMP 2-Propanol	0.000	0.000	0.0	0#	0.00
11 TMP Acetone	0.029	0.023	20.7#	100	0.00
12 TMP 1,1-Dichloroethene	0.285	0.272	4.6	100	-0.01
13 TMP Hexane	0.323	0.304	5.9	100	0.00
14 TMP Methylene chloride	0.289	0.327	-13.1	100	0.00
15 TMP t-Butyl alcohol (TBA)	0.024	0.021#	12.5	100	0.00
16 TMP Methyl t-butyl ether (MTBE)	0.666	0.628	5.7	100	0.00
17 TMP trans-1,2-Dichloroethene	0.318	0.301	5.3	100	-0.01
18 TMP Diisopropyl ether (DIPE)	0.698	0.652	6.6	100	0.00
19 TMP 1,1-Dichloroethane	0.463	0.435	6.0	100	0.00
20 TMP Ethyl t-butyl ether (ETBE)	0.258	0.223	13.6	100	-0.01
21 TMP 2,2-Dichloropropane	0.258	0.216	16.3	100	-0.01
22 TMP cis-1,2-Dichloroethene	0.333	0.325	2.4	100	0.00
23 TMP Chloroform	0.539	0.520	3.5	100	0.00
24 TMP 2-Butanone (MEK)	0.132	0.097	26.5#	100	0.00
25 TMP t-Amyl methyl ether (TAME)	0.540	0.489#	9.4	100	0.00
26 TMP 1,2-Dichloroethane (EDC)	0.465	0.405	12.9	99	-0.01
27 TMP 1,1,1-Trichloroethane	0.482	0.436	9.5	100	0.00
28 TMP 1,1-Dichloropropene	0.370	0.347	6.2	100	0.00
29 TMP Carbon tetrachloride	0.485	0.428	11.8	100	0.00
30 S 1,2-Dichloroethane-d4	0.062	0.060	3.2	100	0.00
31 TMP Benzene	1.118	1.037	7.2	100	0.00
32 TMP Trichloroethene	0.367	0.343	6.5	100	0.00
33 TMP 1,2-Dichloropropane	0.241	0.227	5.8	100	0.00
34 TMP Bromodichloromethane	0.387	0.363	6.2	100	0.00
35 S Toluene-d8	0.954	0.947	0.7	100	0.00
36 TMP Dibromomethane	0.219	0.196	10.5	100	-0.01
37 TMP 4-Methyl-2-pentanone	0.042	0.036	14.3	100	0.00
38 TMP cis-1,3-Dichloropropene	0.360	0.308	14.4	100	0.00
39 I Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40 TMP Toluene	0.907	0.796	12.2	100	0.00
41 TMP trans-1,3-Dichloropropene	0.366	0.305	16.7	100	0.00
42 TMP 1,1,2-Trichloroethane	0.285	0.255	10.5	100	0.00
43 TMP 2-Hexanone	0.190	0.168	11.6	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110513.D
 Acq On : 05 Nov 2022 02:16 pm
 Operator : VM
 Sample : 5 ppb 8260 ICAL 67-177M
 Misc : soil/water
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:23 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.457	0.450	1.5	100	-0.01
45 TMP Tetrachloroethene	0.460	0.402	12.6	100	0.00
46 TMP Dibromochloromethane	0.451	0.406	10.0	100	-0.01
47 TMP 1,2-Dibromoethane (EDB)	0.360	0.326	9.4	100	0.00
48 TMP Chlorobenzene	0.993	0.939	5.4	100	0.00
49 TMP Ethylbenzene	1.557	1.456	6.5	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.387	0.347	10.3	100	0.00
51 TMP m,p-Xylene	0.612	0.566	7.5	100	0.00
52 TMP o-Xylene	0.591	0.545	7.8	100	0.00
53 TMP Styrene	0.887	0.815	8.1	100	0.00
54 TMP Isopropylbenzene	1.435	1.385	3.5	100	0.00
55 TMP Bromoform	0.299	0.268	10.4	100	0.00
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	0.689	0.691	-0.3	100	0.00
58 TMP n-Propylbenzene	2.700	2.669	1.1	100	0.00
59 TMP Bromobenzene	0.837	0.795	5.0	100	0.00
60 TMP 1,3,5-Trimethylbenzene	1.968	1.937	1.6	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.626	0.609	2.7	100	0.00
62 TMP 1,2,3-Trichloropropane	0.486	0.461#	5.1	100	0.00
63 TMP 2-Chlorotoluene	1.617	1.607	0.6	100	0.00
64 TMP 4-Chlorotoluene	1.912	1.859	2.8	100	0.00
65 TMP tert-Butylbenzene	1.952	1.827	6.4	100	0.00
66 TMP 1,2,4-Trimethylbenzene	1.996	1.907	4.5	100	0.00
67 TMP sec-Butylbenzene	2.624	2.543	3.1	100	0.00
68 TMP p-Isopropyltoluene	2.387	2.285	4.3	100	0.00
69 TMP 1,3-Dichlorobenzene	1.530	1.484	3.0	100	0.00
70 TMP 1,4-Dichlorobenzene	1.564	1.521	2.7	100	0.00
71 TMP 1,2-Dichlorobenzene	1.455	1.418	2.5	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	0.108	0.100	7.4	100	0.00
73 TMP 1,2,4-Trichlorobenzene	0.971	0.876	9.8	100	0.00
74 TMP Hexachlorobutadiene	0.600	0.552	8.0	100	0.00
75 TMP Naphthalene	1.833	1.634	10.9	100	0.00
76 TMP 1,2,3-Trichlorobenzene	0.846	0.780	7.8	100	0.00

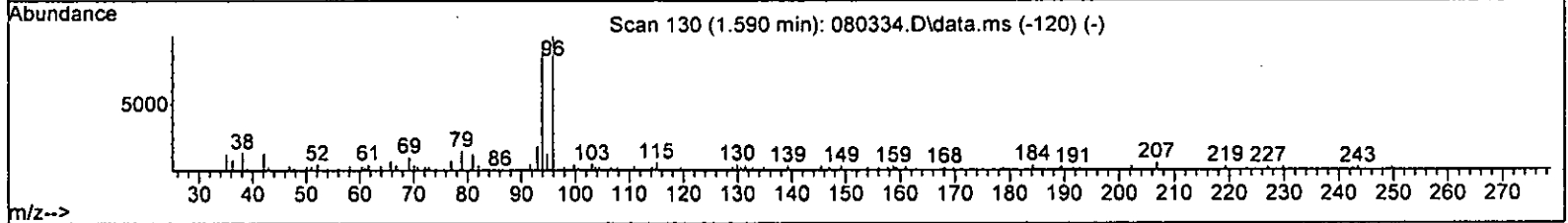
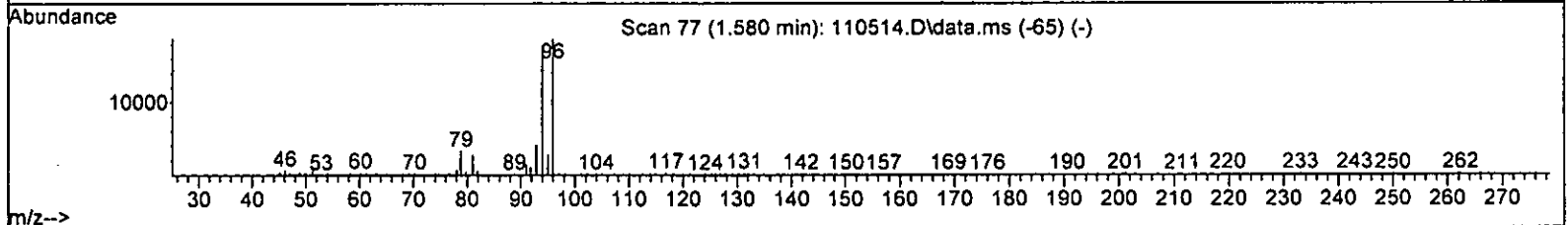
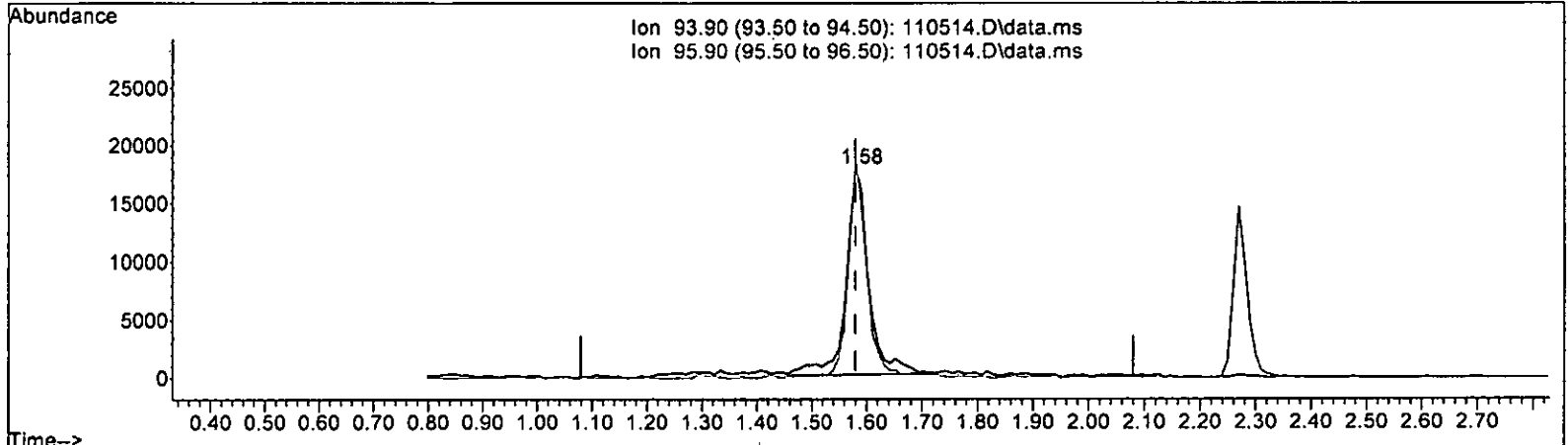
(#) = Out of Range

SPCC's out = 4 CCC's out = 0

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110514.D
 Acq On : 05 Nov 2022 02:39 pm
 Operator : VM
 Sample : 10 ppb 8260 ICAL 67-177N
 Misc : soil/water
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:25 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110514.D\data.ms

(7) Bromomethane (TMP)

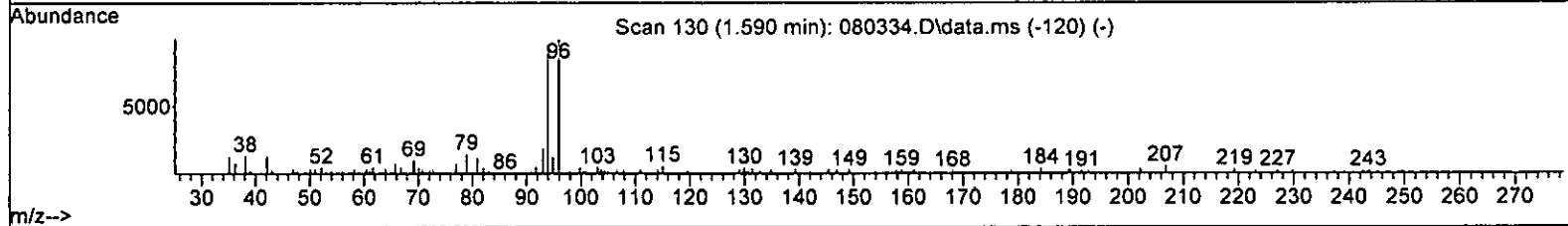
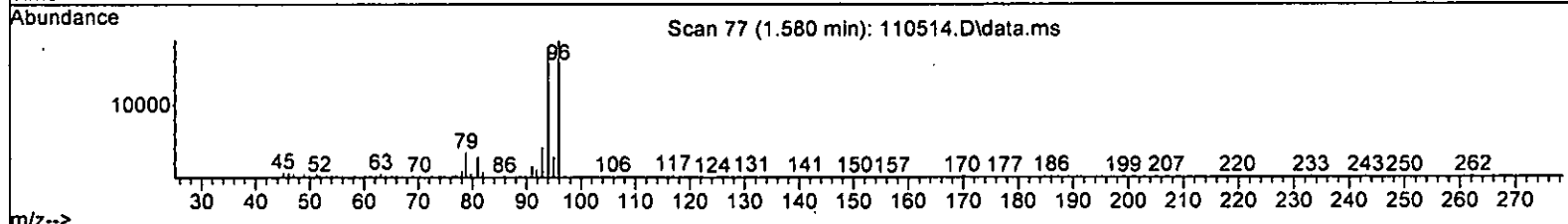
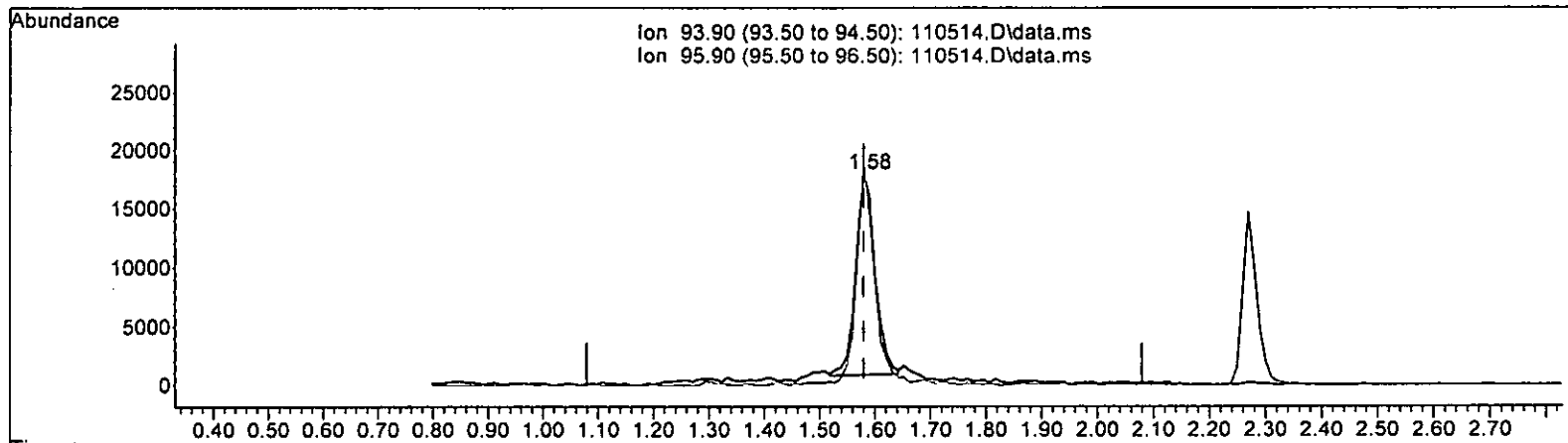
1.580min (+ 0.000) 11.319 ppb

response	51007
Ion	Exp% Act%
93.90	100.00 100.00
95.90	93.50 105.91
0.00	0.00 0.00
0.00	0.00 0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110514.D
 Acq On : 05 Nov 2022 02:39 pm
 Operator : VM
 Sample : 10 ppb 8260 ICAL 67-177N
 Misc : soil/water
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:25 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110514.D\data.ms

(7) Bromomethane (TMP)

1.580min (+ 0.000) 9.187 ppb m

response	41401
Ion	Exp% Act%
93.90	100.00 100.00
95.90	93.50 104.66
0.00	0.00 0.00
0.00	0.00 0.00

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110514.D
 Acq On : 05 Nov 2022 02:39 pm
 Operator : VM
 Sample : 10 ppb 8260 ICAL 67-177N
 Misc : soil/water
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:25 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	4.75	96	104308	10.000	ppb	0.00
39) Chlorobenzene-d5	7.41	117	87057	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	51133	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.18	113	33344	9.968	ppb	0.00
Spiked Amount	10.000	Range	50 - 150	Recovery	=	99.70%
30) 1,2-Dichloroethane-d4	4.45	102	6805	10.498	ppb	0.00
Spiked Amount	10.000	Range	84 - 120	Recovery	=	105.00%
35) Toluene-d8	6.11	98	101519	10.205	ppb	0.00
Spiked Amount	10.000	Range	73 - 128	Recovery	=	102.00%
57) 4-Bromofluorobenzene	8.51	95	35310	10.022	ppb	0.00
Spiked Amount	10.000	Range	57 - 146	Recovery	=	100.20%
Target Compounds						
						Qvalue
2) Ethanol	2.33	45	337	No Calib		
4) Dichlorodifluoromethane	1.12	85	82454	9.881	ppb	99
5) Chloromethane	1.26	50	52455	10.302	ppb	96
6] Vinyl chloride	1.34	62	52244	9.826	ppb	95
7) Bromomethane	1.58	94	41401m	9.187	ppb	
8] Chloroethane	1.65	64	24645	10.332	ppb	96
9) Trichlorofluoromethane	1.83	101	113746	9.710	ppb	93
10) 2-Propanol	2.33	45	337	No Calib	#	
11) Acetone	2.33	58	15004	54.589	ppb	90
12] 1,1-Dichloroethene	2.27	96	29285	9.854	ppb	89
13) Hexane	3.16	57	34044	10.096	ppb	96
14) Methylene chloride	2.68	84	31652	10.138	ppb	94
15) t-Butyl alcohol (TBA)	2.82	59	12685	50.668	ppb	92
16] Methyl t-butyl ether (...)	2.93	73	70284	10.120	ppb	98
17] trans-1,2-Dichloroethene	2.92	96	32760	9.862	ppb	92
18) Diisopropyl ether (DIPE)	3.35	45	70407	9.674	ppb	100
19] 1,1-Dichloroethane	3.27	63	49510	10.243	ppb	98
20) Ethyl t-butyl ether (E...)	3.66	87	25865	9.626	ppb	# 90
21) 2,2-Dichloropropane	3.77	77	23624	9.405	ppb	97
22] cis-1,2-Dichloroethene	3.77	96	35146	10.114	ppb	96
23) Chloroform	4.04	83	55529	9.884	ppb	95
24) 2-Butanone (MEK)	3.80	43	68680	52.470	ppb	99
25) t-Amyl methyl ether (T...)	4.61	73	56141	9.959	ppb	95
26] 1,2-Dichloroethane (EDC)	4.53	62	44319	10.457	ppb	98
27] 1,1,1-Trichloroethane	4.19	97	49472	9.844	ppb	95
28) 1,1-Dichloropropene	4.33	75	38299	10.159	ppb	99
29) Carbon tetrachloride	4.33	117	48992	9.682	ppb	99
31] Benzene	4.50	78	114400	9.807	ppb	97
32] Trichloroethene	5.05	95	37097	9.703	ppb	85
33) 1,2-Dichloropropane	5.24	63	24611	9.792	ppb	97
34) Bromodichloromethane	5.48	83	41413	10.269	ppb	94
36) Dibromomethane	5.35	93	22692	9.913	ppb	87

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110514.D
 Acq On : 05 Nov 2022 02:39 pm
 Operator : VM
 Sample : 10 ppb 8260 ICAL 67-177N
 Misc : soil/water
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS13

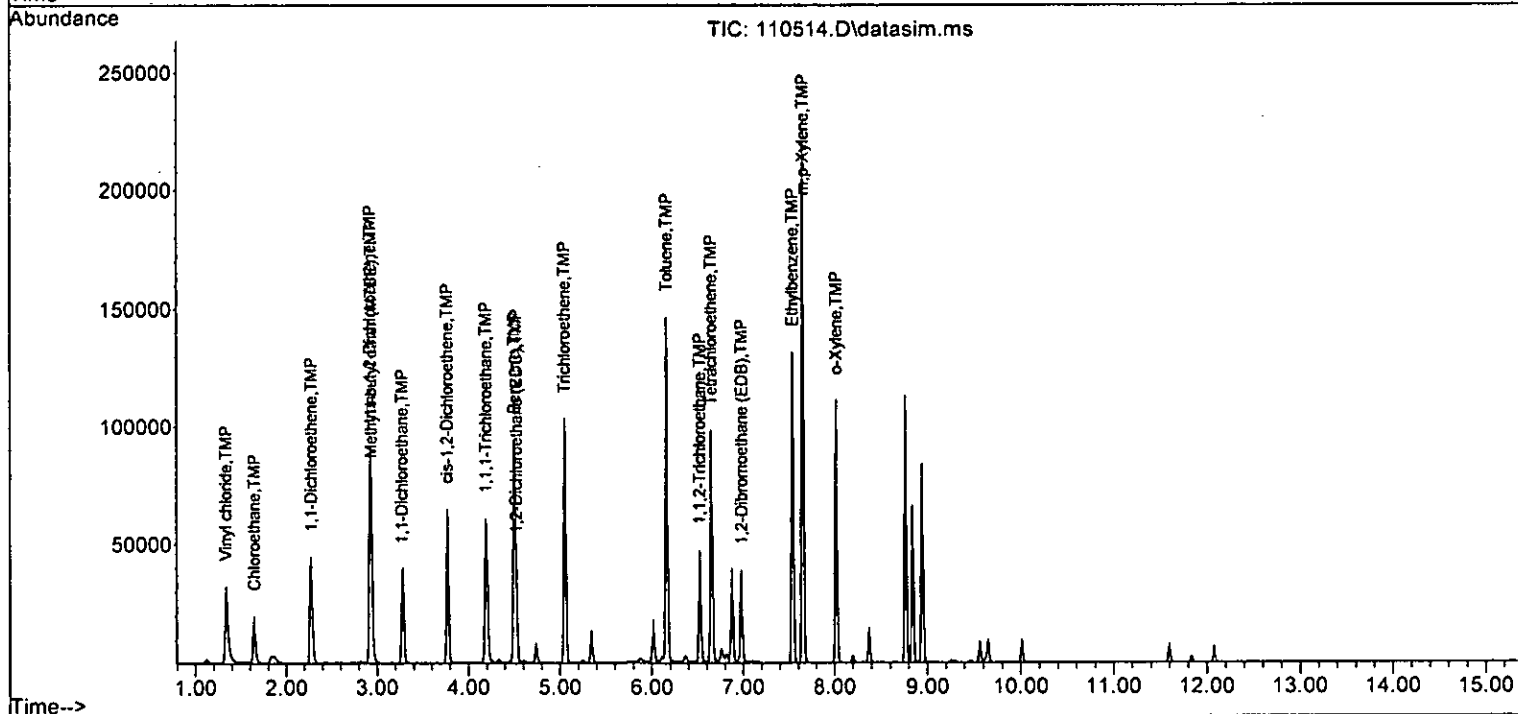
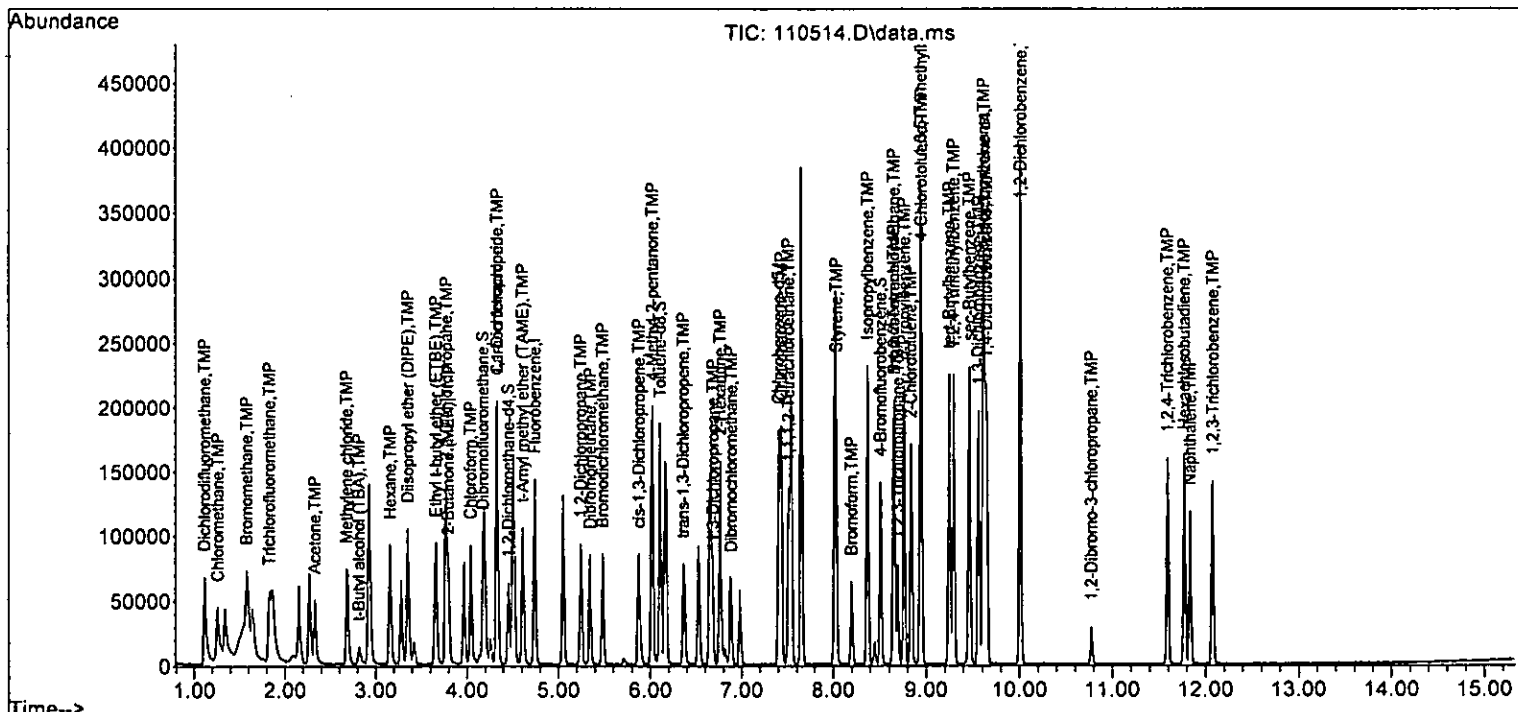
Quant Time: Nov 07 15:17:25 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	6.02	85	22592	51.053	ppb	87
38) cis-1,3-Dichloropropene	5.88	75	34553	9.199	ppb	92
40] Toluene	6.16	92	72112	10.334	ppb	98
41) trans-1,3-Dichloropropene	6.36	75	28870	9.423	ppb	89
42] 1,1,2-Trichloroethane	6.53	83	23239	10.318	ppb	92
43) 2-Hexanone	6.76	43	83273	50.462	ppb	95
44) 1,3-Dichloropropane	6.68	76	39919	10.029	ppb	99
45] Tetrachloroethene	6.65	164	35768	10.402	ppb	96
46) Dibromochloromethane	6.89	129	36547	9.760	ppb	100
47] 1,2-Dibromoethane (EDB)	6.98	107	30662	9.796	ppb	99
48) Chlorobenzene	7.43	112	84024	9.720	ppb	96
49] Ethylbenzene	7.54	91	132199	9.753	ppb	96
50) 1,1,1,2-Tetrachloroethane	7.51	131	31977	9.502	ppb	96
51] m,p-Xylene	7.65	106	104427	19.606	ppb	91
52] o-Xylene	8.02	106	50131	9.748	ppb	89
53) Styrene	8.03	104	77903	10.086	ppb	97
54) Isopropylbenzene	8.37	105	125406	10.035	ppb	95
55) Bromoform	8.20	173	25019	9.611	ppb	99
58) n-Propylbenzene	8.77	91	142590	10.329	ppb	90
59) Bromobenzene	8.65	156	42431	9.909	ppb #	77
60) 1,3,5-Trimethylbenzene	8.94	105	101060	10.045	ppb	94
61) 1,1,2,2-Tetrachloroethane	8.65	83	31804	10.662	ppb	98
62) 1,2,3-Trichloropropane	8.70	75	24300	9.774	ppb	94
63) 2-Chlorotoluene	8.84	91	84235	10.189	ppb	92
64) 4-Chlorotoluene	8.95	91	97390	9.962	ppb	85
65) tert-Butylbenzene	9.25	119	96957	9.715	ppb	94
66) 1,2,4-Trimethylbenzene	9.30	105	103049	10.095	ppb	93
67) sec-Butylbenzene	9.46	105	134934	10.057	ppb	98
68) p-Isopropyltoluene	9.61	119	122277	10.019	ppb	97
69) 1,3-Dichlorobenzene	9.56	146	77024	9.849	ppb	96
70) 1,4-Dichlorobenzene	9.64	146	78396	9.803	ppb	99
71) 1,2-Dichlorobenzene	10.01	146	75064	10.092	ppb	97
72) 1,2-Dibromo-3-chloropr...	10.77	75	5363	9.720	ppb	94
73) 1,2,4-Trichlorobenzene	11.59	180	46976	9.466	ppb	99
74) Hexachlorobutadiene	11.77	225	29590	9.649	ppb	96
75) Naphthalene	11.83	128	88116	9.287	ppb	99
76) 1,2,3-Trichlorobenzene	12.08	180	41267	9.540	ppb	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110514.D
 Acq On : 05 Nov 2022 02:39 pm
 Operator : VM
 Sample : 10 ppb 8260 ICAL 67-177N
 Misc : soil/water
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:25 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110514.D
 Acq On : 05 Nov 2022 02:39 pm
 Operator : VM
 Sample : 10 ppb 8260 ICAL 67-177N
 Misc : soil/water
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:25 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I Fluorobenzene	10.000	10.000	0.0	100	0.00
2 TMP Ethanol	-1.000	0.000	0.0	0	0.00
3 S Dibromofluoromethane	10.000	9.968	0.3	100	0.00
4 TMP Dichlorodifluoromethane	10.000	9.881	1.2	100	0.00
5 TMP Chloromethane	10.000	10.302	-3.0	100	0.00
6 TMP Vinyl chloride	10.000	9.826	1.7	100	0.00
7 TMP Bromomethane	10.000	9.187	8.1	81	0.00
8 TMP Chloroethane	10.000	10.332	-3.3	100	0.00
9 TMP Trichlorofluoromethane	10.000	9.710	2.9	100	0.00
10 TMP 2-Propanol	-1.000	0.000	0.0	0	0.00
11 TMP Acetone	50.000	54.589	-9.2	100	0.00
12 TMP 1,1-Dichloroethene	10.000	9.854	1.5	100	0.00
13 TMP Hexane	10.000	10.096	-1.0	100	0.00
14 TMP Methylene chloride	10.000	10.138	-1.4	100	0.00
15 TMP t-Butyl alcohol (TBA)	50.000	50.668	-1.3	100	0.00
16 TMP Methyl t-butyl ether (MTBE)	10.000	10.120	-1.2	100	0.00
17 TMP trans-1,2-Dichloroethene	10.000	9.862	1.4	100	0.00
18 TMP Diisopropyl ether (DIPE)	10.000	9.674	3.3	100	0.00
19 TMP 1,1-Dichloroethane	10.000	10.243	-2.4	100	0.00
20 TMP Ethyl t-butyl ether (ETBE)	10.000	9.626	3.7	100	0.00
21 TMP 2,2-Dichloropropane	10.000	9.405	6.0	100	0.00
22 TMP cis-1,2-Dichloroethene	10.000	10.114	-1.1	100	0.00
23 TMP Chloroform	10.000	9.884	1.2	100	0.00
24 TMP 2-Butanone (MEK)	50.000	52.470	-4.9	100	0.00
25 TMP t-Amyl methyl ether (TAME)	10.000	9.959	0.4	100	0.00
26 TMP 1,2-Dichloroethane (EDC)	10.000	10.457	-4.6	100	0.00
27 TMP 1,1,1-Trichloroethane	10.000	9.844	1.6	100	0.00
28 TMP 1,1-Dichloropropene	10.000	10.159	-1.6	100	0.00
29 TMP Carbon tetrachloride	10.000	9.682	3.2	100	0.00
30 S 1,2-Dichloroethane-d4	10.000	10.498	-5.0	100	0.00
31 TMP Benzene	10.000	9.807	1.9	100	0.00
32 TMP Trichloroethene	10.000	9.703	3.0	100	0.00
33 TMP 1,2-Dichloropropane	10.000	9.792	2.1	100	0.00
34 TMP Bromodichloromethane	10.000	10.269	-2.7	100	0.00
35 S Toluene-d8	10.000	10.205	-2.1	100	0.00
36 TMP Dibromomethane	10.000	9.913	0.9	100	0.00
37 TMP 4-Methyl-2-pentanone	50.000	51.053	-2.1	100	0.00
38 TMP cis-1,3-Dichloropropene	10.000	9.199	8.0	100	0.00
39 I Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40 TMP Toluene	10.000	10.334	-3.3	100	0.00
41 TMP trans-1,3-Dichloropropene	10.000	9.423	5.8	100	0.00
42 TMP 1,1,2-Trichloroethane	10.000	10.318	-3.2	100	0.00
43 TMP 2-Hexanone	50.000	50.462	-0.9	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110514.D
 Acq On : 05 Nov 2022 02:39 pm
 Operator : VM
 Sample : 10 ppb 8260 ICAL 67-177N
 Misc : soil/water
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:25 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	10.000	10.029	-0.3	100	0.00
45 TMP Tetrachloroethene	10.000	10.402	-4.0	100	0.00
46 TMP Dibromochloromethane	10.000	9.760	2.4	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	10.000	9.796	2.0	100	0.00
48 TMP Chlorobenzene	10.000	9.720	2.8	100	0.00
49 TMP Ethylbenzene	10.000	9.753	2.5	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	10.000	9.502	5.0	100	0.00
51 TMP m,p-Xylene	20.000	19.606	2.0	100	0.00
52 TMP o-Xylene	10.000	9.748	2.5	100	0.00
53 TMP Styrene	10.000	10.086	-0.9	100	0.00
54 TMP Isopropylbenzene	10.000	10.035	-0.4	100	0.00
55 TMP Bromoform	10.000	9.611	3.9	100	0.00
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	10.000	10.022	-0.2	100	0.00
58 TMP n-Propylbenzene	10.000	10.329	-3.3	100	0.00
59 TMP Bromobenzene	10.000	9.909	0.9	100	0.00
60 TMP 1,3,5-Trimethylbenzene	10.000	10.045	-0.4	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	10.000	10.662	-6.6	100	0.00
62 TMP 1,2,3-Trichloropropane	10.000	9.774	2.3	100	0.00
63 TMP 2-Chlorotoluene	10.000	10.189	-1.9	100	0.00
64 TMP 4-Chlorotoluene	10.000	9.962	0.4	100	0.00
65 TMP tert-Butylbenzene	10.000	9.715	2.9	100	0.00
66 TMP 1,2,4-Trimethylbenzene	10.000	10.095	-1.0	100	0.00
67 TMP sec-Butylbenzene	10.000	10.057	-0.6	100	0.00
68 TMP p-Isopropyltoluene	10.000	10.019	-0.2	100	0.00
69 TMP 1,3-Dichlorobenzene	10.000	9.849	1.5	100	0.00
70 TMP 1,4-Dichlorobenzene	10.000	9.803	2.0	100	0.00
71 TMP 1,2-Dichlorobenzene	10.000	10.092	-0.9	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	10.000	9.720	2.8	100	0.00
73 TMP 1,2,4-Trichlorobenzene	10.000	9.466	5.3	100	0.00
74 TMP Hexachlorobutadiene	10.000	9.649	3.5	100	0.00
75 TMP Naphthalene	10.000	9.287	7.1	100	0.00
76 TMP 1,2,3-Trichlorobenzene	10.000	9.540	4.6	100	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110514.D
 Acq On : 05 Nov 2022 02:39 pm
 Operator : VM
 Sample : 10 ppb 8260 ICAL 67-177N
 Misc : soil/water
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:25 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2 TMP	Ethanol	0.000	0.000#	0.0	0#	0.00
3 S	Dibromofluoromethane	0.321	0.320	0.3	100	0.00
4 TMP	Dichlorodifluoromethane	0.800	0.790	1.3	100	0.00
5 TMP	Chloromethane	0.488	0.503	-3.1	100	0.00
6 TMP	Vinyl chloride	0.510	0.501	1.8	100	0.00
7 TMP	Bromomethane	0.432	0.397	8.1	81	0.00
8 TMP	Chloroethane	0.229	0.236	-3.1	100	0.00
9 TMP	Trichlorofluoromethane	1.123	1.090	2.9	100	0.00
10 TMP	2-Propanol	0.000	0.000	0.0	0#	0.00
11 TMP	Acetone	0.029	0.029	0.0	100	0.00
12 TMP	1,1-Dichloroethene	0.285	0.281	1.4	100	0.00
13 TMP	Hexane	0.323	0.326	-0.9	100	0.00
14 TMP	Methylene chloride	0.289	0.303	-4.8	100	0.00
15 TMP	t-Butyl alcohol (TBA)	0.024	0.024#	0.0	100	0.00
16 TMP	Methyl t-butyl ether (MTBE)	0.666	0.674	-1.2	100	0.00
17 TMP	trans-1,2-Dichloroethene	0.318	0.314	1.3	100	0.00
18 TMP	Diisopropyl ether (DIPE)	0.698	0.675	3.3	100	0.00
19 TMP	1,1-Dichloroethane	0.463	0.475	-2.6	100	0.00
20 TMP	Ethyl t-butyl ether (ETBE)	0.258	0.248	3.9	100	0.00
21 TMP	2,2-Dichloropropane	0.258	0.226	12.4	100	0.00
22 TMP	cis-1,2-Dichloroethene	0.333	0.337	-1.2	100	0.00
23 TMP	Chloroform	0.539	0.532	1.3	100	0.00
24 TMP	2-Butanone (MEK)	0.132	0.132	0.0	100	0.00
25 TMP	t-Amyl methyl ether (TAME)	0.540	0.538	0.4	100	0.00
26 TMP	1,2-Dichloroethane (EDC)	0.465	0.425	8.6	100	0.00
27 TMP	1,1,1-Trichloroethane	0.482	0.474	1.7	100	0.00
28 TMP	1,1-Dichloropropane	0.370	0.367	0.8	100	0.00
29 TMP	Carbon tetrachloride	0.485	0.470	3.1	100	0.00
30 S	1,2-Dichloroethane-d4	0.062	0.065	-4.8	100	0.00
31 TMP	Benzene	1.118	1.097	1.9	100	0.00
32 TMP	Trichloroethene	0.367	0.356	3.0	100	0.00
33 TMP	1,2-Dichloropropane	0.241	0.236	2.1	100	0.00
34 TMP	Bromodichloromethane	0.387	0.397	-2.6	100	0.00
35 S	Toluene-d8	0.954	0.973	-2.0	100	0.00
36 TMP	Dibromomethane	0.219	0.218	0.5	100	0.00
37 TMP	4-Methyl-2-pentanone	0.042	0.043	-2.4	100	0.00
38 TMP	cis-1,3-Dichloropropene	0.360	0.331	8.1	100	0.00
39 I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40 TMP	Toluene	0.907	0.828	8.7	100	0.00
41 TMP	trans-1,3-Dichloropropene	0.366	0.332	9.3	100	0.00
42 TMP	1,1,2-Trichloroethane	0.285	0.267	6.3	100	0.00
43 TMP	2-Hexanone	0.190	0.191	-0.5	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110514.D
 Acq On : 05 Nov 2022 02:39 pm
 Operator : VM
 Sample : 10 ppb 8260 ICAL 67-177N
 Misc : soil/water
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:25 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.457	0.459	-0.4	100	0.00
45 TMP Tetrachloroethene	0.460	0.411	10.7	100	0.00
46 TMP Dibromochloromethane	0.451	0.420	6.9	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	0.360	0.352	2.2	100	0.00
48 TMP Chlorobenzene	0.993	0.965	2.8	100	0.00
49 TMP Ethylbenzene	1.557	1.519	2.4	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.387	0.367	5.2	100	0.00
51 TMP m,p-Xylene	0.612	0.600	2.0	100	0.00
52 TMP o-Xylene	0.591	0.576	2.5	100	0.00
53 TMP Styrene	0.887	0.895	-0.9	100	0.00
54 TMP Isopropylbenzene	1.435	1.441	-0.4	100	0.00
55 TMP Bromoform	0.299	0.287	4.0	100	0.00
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	0.689	0.691	-0.3	100	0.00
58 TMP n-Propylbenzene	2.700	2.789	-3.3	100	0.00
59 TMP Bromobenzene	0.837	0.830	0.8	100	0.00
60 TMP 1,3,5-Trimethylbenzene	1.968	1.976	-0.4	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.626	0.622	0.6	100	0.00
62 TMP 1,2,3-Trichloropropane	0.486	0.475#	2.3	100	0.00
63 TMP 2-Chlorotoluene	1.617	1.647	-1.9	100	0.00
64 TMP 4-Chlorotoluene	1.912	1.905	0.4	100	0.00
65 TMP tert-Butylbenzene	1.952	1.896	2.9	100	0.00
66 TMP 1,2,4-Trimethylbenzene	1.996	2.015	-1.0	100	0.00
67 TMP sec-Butylbenzene	2.624	2.639	-0.6	100	0.00
68 TMP p-Isopropyltoluene	2.387	2.391	-0.2	100	0.00
69 TMP 1,3-Dichlorobenzene	1.530	1.506	1.6	100	0.00
70 TMP 1,4-Dichlorobenzene	1.564	1.533	2.0	100	0.00
71 TMP 1,2-Dichlorobenzene	1.455	1.468	-0.9	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	0.108	0.105	2.8	100	0.00
73 TMP 1,2,4-Trichlorobenzene	0.971	0.919	5.4	100	0.00
74 TMP Hexachlorobutadiene	0.600	0.579	3.5	100	0.00
75 TMP Naphthalene	1.833	1.723	6.0	100	0.00
76 TMP 1,2,3-Trichlorobenzene	0.846	0.807	4.6	100	0.00

(#) = Out of Range

SPCC's out = 3 CCC's out = 0

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110515.D
 Acq On : 05 Nov 2022 03:03 pm
 Operator : VM
 Sample : 20 ppb 8260 ICAL 67-1770
 Misc : soil/water
 ALS Vial : 11 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:27 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	4.75	96	105008	10.000	ppb	0.00
39) Chlorobenzene-d5	7.40	117	89462	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	52775	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.18	113	33718	10.013	ppb	0.00
Spiked Amount	10.000	Range 50 - 150	Recovery	=	100.10%	
30) 1,2-Dichloroethane-d4	4.45	102	6337	9.710	ppb	0.00
Spiked Amount	10.000	Range 84 - 120	Recovery	=	97.10%	
35) Toluene-d8	6.11	98	101082	10.093	ppb	0.00
Spiked Amount	10.000	Range 73 - 128	Recovery	=	100.90%	
57) 4-Bromofluorobenzene	8.51	95	34733	9.551	ppb	0.00
Spiked Amount	10.000	Range 57 - 146	Recovery	=	95.50%	
Target Compounds						
						Qvalue
2) Ethanol	2.32	45	607	No Calib		
4) Dichlorodifluoromethane	1.11	85	154866	18.434	ppb	100
5) Chloromethane	1.25	50	98937	19.301	ppb	94
6] Vinyl chloride	1.34	62	100432	18.764	ppb	100
7) Bromomethane	1.58	94	91854	20.247	ppb	98
8] Chloroethane	1.64	64	47471	19.769	ppb	98
9) Trichlorofluoromethane	1.83	101	233636	19.811	ppb	99
10) 2-Propanol	2.32	45	607	No Calib		
11) Acetone	2.32	58	27987	101.273	ppb	94
12] 1,1-Dichloroethene	2.26	96	56156	18.770	ppb	# 71
13) Hexane	3.16	57	65322	19.242	ppb	96
14) Methylene chloride	2.68	84	59931	20.124	ppb	97
15) t-Butyl alcohol (TBA)	2.82	59	23148	91.844	ppb	83
16] Methyl t-butyl ether (...)	2.93	73	135072	19.320	ppb	98
17] trans-1,2-Dichloroethene	2.92	96	61409	18.363	ppb	98
18) Diisopropyl ether (DIPE)	3.35	45	137455	18.760	ppb	97
19] 1,1-Dichloroethane	3.27	63	93540	19.223	ppb	99
20) Ethyl t-butyl ether (E...)	3.66	87	50057	18.504	ppb	92
21) 2,2-Dichloropropane	3.76	77	45590	17.884	ppb	99
22] cis-1,2-Dichloroethene	3.77	96	66068	18.886	ppb	99
23) Chloroform	4.04	83	106690	18.863	ppb	100
24) 2-Butanone (MEK)	3.79	43	133256	101.085	ppb	97
25) t-Amyl methyl ether (T...)	4.61	73	110109	19.403	ppb	96
26] 1,2-Dichloroethane (EDC)	4.52	62	84215	19.800	ppb	92
27] 1,1,1-Trichloroethane	4.19	97	96380	19.049	ppb	96
28) 1,1-Dichloropropene	4.33	75	74331	19.559	ppb	96
29) Carbon tetrachloride	4.33	117	93871	18.427	ppb	96
31] Benzene	4.50	78	217715	18.539	ppb	99
32] Trichloroethene	5.05	95	69909	18.164	ppb	79
33) 1,2-Dichloropropane	5.24	63	47862	18.917	ppb	98
34) Bromodichloromethane	5.48	83	80311	19.782	ppb	93
36) Dibromomethane	5.35	93	42084	18.262	ppb	# 81

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110515.D
 Acq On : 05 Nov 2022 03:03 pm
 Operator : VM
 Sample : 20 ppb 8260 ICAL 67-1770
 Misc : soil/water
 ALS Vial : 11 Sample Multiplier: 1
 InstName : GCMS13

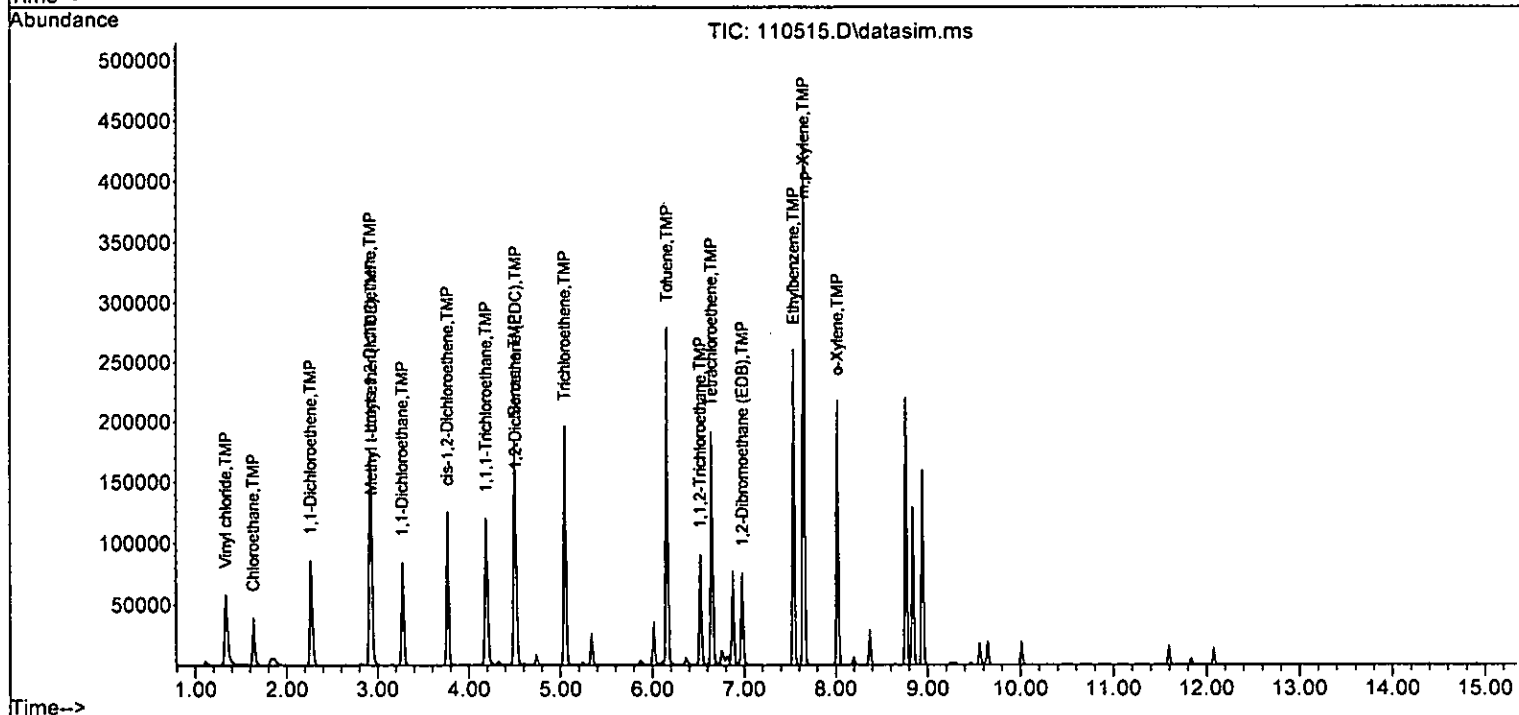
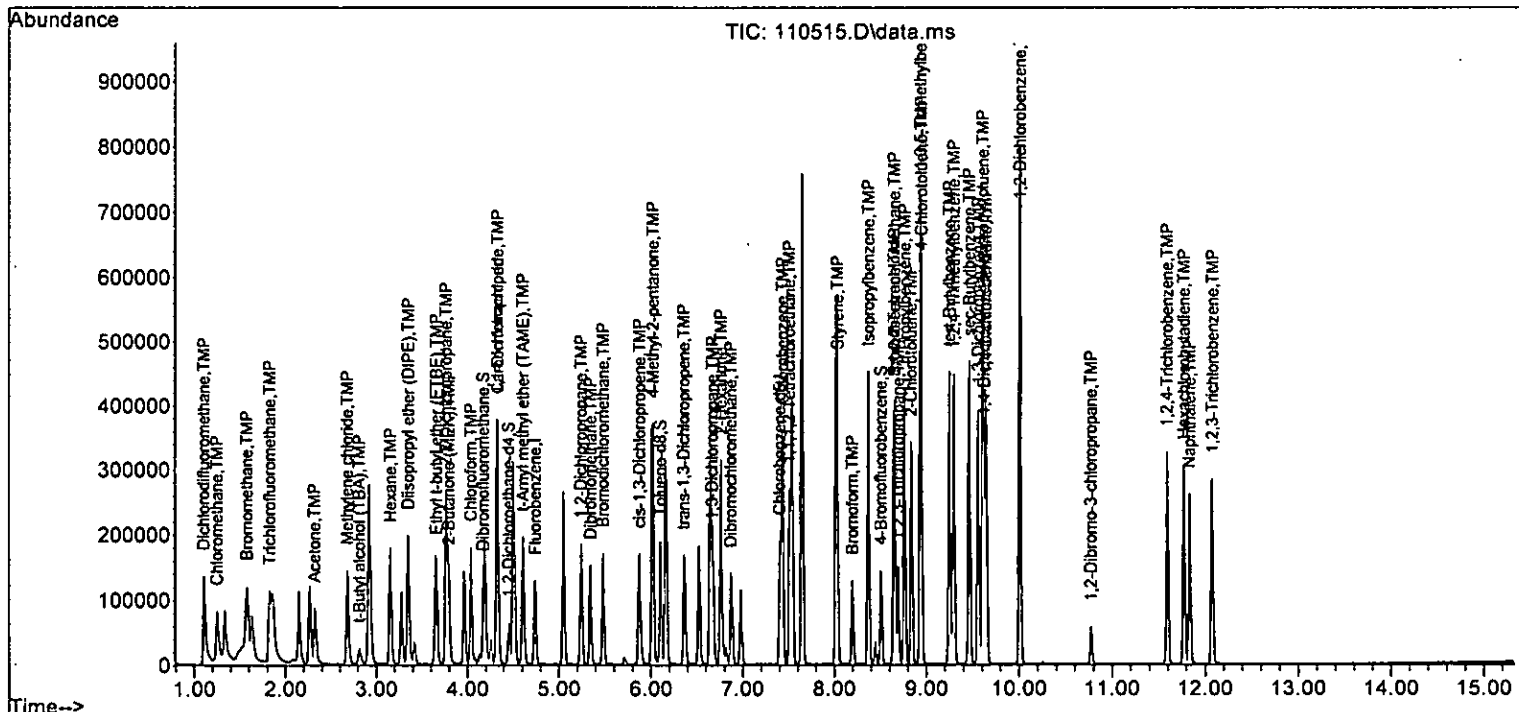
Quant Time: Nov 07 15:17:27 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	6.02	85	45279	101.638	ppb	97
38) cis-1,3-Dichloropropene	5.88	75	70729	18.705	ppb	93
40] Toluene	6.16	92	139892	19.521	ppb	97
41) trans-1,3-Dichloropropene	6.36	75	59494	18.667	ppb	91
42] 1,1,2-Trichloroethane	6.53	83	45453	19.683	ppb	90
43) 2-Hexanone	6.76	43	168998	99.657	ppb	96
44) 1,3-Dichloropropane	6.67	76	77532	18.955	ppb	98
45] Tetrachloroethene	6.65	164	68802	19.433	ppb	96
46) Dibromochloromethane	6.87	129	73622	19.026	ppb	97
47] 1,2-Dibromoethane (EDB)	6.98	107	60626	18.849	ppb	98
48) Chlorobenzene	7.43	112	167733	18.882	ppb	96
49] Ethylbenzene	7.54	91	260481	18.701	ppb	95
50) 1,1,1,2-Tetrachloroethane	7.51	131	65984	19.080	ppb	95
51] m,p-Xylene	7.65	106	204901	37.436	ppb	89
52] o-Xylene	8.02	106	98531	18.644	ppb	90
53) Styrene	8.03	104	154830	19.506	ppb	98
54) Isopropylbenzene	8.37	105	250256	19.488	ppb	96
55) Bromoform	8.20	173	49623	18.550	ppb	99
58) n-Propylbenzene	8.77	91	278485	19.546	ppb	91
59) Bromobenzene	8.65	156	81205	18.374	ppb	85
60) 1,3,5-Trimethylbenzene	8.94	105	202069	19.459	ppb	94
61) 1,1,2,2-Tetrachloroethane	8.65	83	61801	20.197	ppb	99
62) 1,2,3-Trichloropropane	8.70	75	48175	18.774	ppb	94
63) 2-Chlorotoluene	8.84	91	162962	19.099	ppb	93
64) 4-Chlorotoluene	8.95	91	193817	19.208	ppb	90
65) tert-Butylbenzene	9.25	119	194274	18.860	ppb	95
66) 1,2,4-Trimethylbenzene	9.30	105	208375	19.778	ppb	94
67) sec-Butylbenzene	9.46	105	267303	19.304	ppb	96
68) p-Isopropyltoluene	9.61	119	246519	19.570	ppb	97
69) 1,3-Dichlorobenzene	9.56	146	149710	18.547	ppb	95
70) 1,4-Dichlorobenzene	9.64	146	152776	18.509	ppb	97
71) 1,2-Dichlorobenzene	10.01	146	145355	18.935	ppb	97
72) 1,2-Dibromo-3-chloropr...	10.77	75	10358	18.189	ppb	98
73) 1,2,4-Trichlorobenzene	11.59	180	95023	18.552	ppb	95
74) Hexachlorobutadiene	11.77	225	57189	18.069	ppb	99
75) Naphthalene	11.83	128	186455	18.714	ppb	99
76) 1,2,3-Trichlorobenzene	12.08	180	84682	18.968	ppb	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110515.D
 Acq On : 05 Nov 2022 03:03 pm
 Operator : VM
 Sample : 20 ppb 8260 ICAL 67-1770
 Misc : soil/water
 ALS Vial : 11 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:27 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110515.D
 Acq On : 05 Nov 2022 03:03 pm
 Operator : VM
 Sample : 20 ppb 8260 ICAL 67-1770
 Misc : soil/water
 ALS Vial : 11 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:27 2022
 Quant Method : D:\Methods\Inst13\V8110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2 TMP	Ethanol	-1.000	0.000	0.0	0	0.00
3 S	Dibromofluoromethane	10.000	10.013	-0.1	100	0.00
4 TMP	Dichlorodifluoromethane	20.000	18.434	7.8	100	-0.01
5 TMP	Chloromethane	20.000	19.301	3.5	100	-0.01
6 TMP	Vinyl chloride	20.000	18.764	6.2	100	0.00
7 TMP	Bromomethane	20.000	20.247	-1.2	100	0.00
8 TMP	Chloroethane	20.000	19.769	1.2	100	-0.01
9 TMP	Trichlorofluoromethane	20.000	19.811	0.9	100	0.00
10 TMP	2-Propanol	-1.000	0.000	0.0	0	0.00
11 TMP	Acetone	100.000	101.273	-1.3	100	0.00
12 TMP	1,1-Dichloroethene	20.000	18.770	6.2	100	-0.01
13 TMP	Hexane	20.000	19.242	3.8	100	0.00
14 TMP	Methylene chloride	20.000	20.124	-0.6	100	0.00
15 TMP	t-Butyl alcohol (TBA)	100.000	91.844	8.2	100	0.00
16 TMP	Methyl t-butyl ether (MTBE)	20.000	19.320	3.4	100	0.00
17 TMP	trans-1,2-Dichloroethene	20.000	18.363	8.2	100	0.00
18 TMP	Diisopropyl ether (DIPE)	20.000	18.760	6.2	100	0.00
19 TMP	1,1-Dichloroethane	20.000	19.223	3.9	100	0.00
20 TMP	Ethyl t-butyl ether (ETBE)	20.000	18.504	7.5	100	0.00
21 TMP	2,2-Dichloropropane	20.000	17.884	10.6	100	-0.01
22 TMP	cis-1,2-Dichloroethene	20.000	18.886	5.6	100	0.00
23 TMP	Chloroform	20.000	18.863	5.7	100	0.00
24 TMP	2-Butanone (MEK)	100.000	101.085	-1.1	100	0.00
25 TMP	t-Amyl methyl ether (TAME)	20.000	19.403	3.0	100	0.00
26 TMP	1,2-Dichloroethane (EDC)	20.000	19.800	1.0	100	-0.01
27 TMP	1,1,1-Trichloroethane	20.000	19.049	4.8	100	0.00
28 TMP	1,1-Dichloropropene	20.000	19.559	2.2	100	0.00
29 TMP	Carbon tetrachloride	20.000	18.427	7.9	100	0.00
30 S	1,2-Dichloroethane-d4	10.000	9.710	2.9	100	0.00
31 TMP	Benzene	20.000	18.539	7.3	100	0.00
32 TMP	Trichloroethene	20.000	18.164	9.2	100	0.00
33 TMP	1,2-Dichloropropane	20.000	18.917	5.4	100	0.00
34 TMP	Bromodichloromethane	20.000	19.782	1.1	100	0.00
35 S	Toluene-d8	10.000	10.093	-0.9	100	0.00
36 TMP	Dibromomethane	20.000	18.262	8.7	100	0.00
37 TMP	4-Methyl-2-pentanone	100.000	101.638	-1.6	100	0.00
38 TMP	cis-1,3-Dichloropropene	20.000	18.705	6.5	100	0.00
39 I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40 TMP	Toluene	20.000	19.521	2.4	100	0.00
41 TMP	trans-1,3-Dichloropropene	20.000	18.667	6.7	100	0.00
42 TMP	1,1,2-Trichloroethane	20.000	19.683	1.6	100	0.00
43 TMP	2-Hexanone	100.000	99.657	0.3	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110515.D
 Acq On : 05 Nov 2022 03:03 pm
 Operator : VM
 Sample : 20 ppb 8260 ICAL 67-1770
 Misc : soil/water
 ALS Vial : 11 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:27 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP 1,3-Dichloropropane	20.000	18.955	5.2	100	-0.01
45	TMP Tetrachloroethene	20.000	19.433	2.8	100	0.00
46	TMP Dibromochloromethane	20.000	19.026	4.9	100	-0.01
47	TMP 1,2-Dibromoethane (EDB)	20.000	18.849	5.8	100	0.00
48	TMP Chlorobenzene	20.000	18.882	5.6	100	0.00
49	TMP Ethylbenzene	20.000	18.701	6.5	100	0.00
50	TMP 1,1,1,2-Tetrachloroethane	20.000	19.080	4.6	100	0.00
51	TMP m,p-Xylene	40.000	37.436	6.4	100	0.00
52	TMP o-Xylene	20.000	18.644	6.8	100	0.00
53	TMP Styrene	20.000	19.506	2.5	100	0.00
54	TMP Isopropylbenzene	20.000	19.488	2.6	100	0.00
55	TMP Bromoform	20.000	18.550	7.2	100	0.00
56	I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S 4-Bromofluorobenzene	10.000	9.551	4.5	100	0.00
58	TMP n-Propylbenzene	20.000	19.546	2.3	100	0.00
59	TMP Bromobenzene	20.000	18.374	8.1	100	0.00
60	TMP 1,3,5-Trimethylbenzene	20.000	19.459	2.7	100	0.00
61	TMP 1,1,2,2-Tetrachloroethane	20.000	20.197	-1.0	100	0.00
62	TMP 1,2,3-Trichloropropane	20.000	18.774	6.1	100	0.00
63	TMP 2-Chlorotoluene	20.000	19.099	4.5	100	0.00
64	TMP 4-Chlorotoluene	20.000	19.208	4.0	100	0.00
65	TMP tert-Butylbenzene	20.000	18.860	5.7	100	0.00
66	TMP 1,2,4-Trimethylbenzene	20.000	19.778	1.1	100	0.00
67	TMP sec-Butylbenzene	20.000	19.304	3.5	100	0.00
68	TMP p-Isopropyltoluene	20.000	19.570	2.1	100	0.00
69	TMP 1,3-Dichlorobenzene	20.000	18.547	7.3	100	0.00
70	TMP 1,4-Dichlorobenzene	20.000	18.509	7.5	100	0.00
71	TMP 1,2-Dichlorobenzene	20.000	18.935	5.3	100	0.00
72	TMP 1,2-Dibromo-3-chloropropane	20.000	18.189	9.1	100	0.00
73	TMP 1,2,4-Trichlorobenzene	20.000	18.552	7.2	100	0.00
74	TMP Hexachlorobutadiene	20.000	18.069	9.7	100	0.00
75	TMP Naphthalene	20.000	18.714	6.4	100	0.00
76	TMP 1,2,3-Trichlorobenzene	20.000	18.968	5.2	100	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110515.D
 Acq On : 05 Nov 2022 03:03 pm
 Operator : VM
 Sample : 20 ppb 8260 ICAL 67-1770
 Misc : soil/water
 ALS Vial : 11 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:27 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2 TMP	Ethanol	0.000	0.000#	0.0	0#	0.00
3 S	Dibromofluoromethane	0.321	0.321	0.0	100	0.00
4 TMP	Dichlorodifluoromethane	0.800	0.737	7.9	100	-0.01
5 TMP	Chloromethane	0.488	0.471	3.5	100	-0.01
6 TMP	Vinyl chloride	0.510	0.478	6.3	100	0.00
7 TMP	Bromomethane	0.432	0.437	-1.2	100	0.00
8 TMP	Chloroethane	0.229	0.226	1.3	100	-0.01
9 TMP	Trichlorofluoromethane	1.123	1.112	1.0	100	0.00
10 TMP	2-Propanol	0.000	0.000	0.0	0#	0.00
11 TMP	Acetone	0.029	0.027	6.9	100	0.00
12 TMP	1,1-Dichloroethene	0.285	0.267	6.3	100	-0.01
13 TMP	Hexane	0.323	0.311	3.7	100	0.00
14 TMP	Methylene chloride	0.289	0.285	1.4	100	0.00
15 TMP	t-Butyl alcohol (TBA)	0.024	0.022#	8.3	100	0.00
16 TMP	Methyl t-butyl ether (MTBE)	0.666	0.643	3.5	100	0.00
17 TMP	trans-1,2-Dichloroethene	0.318	0.292	8.2	100	0.00
18 TMP	Diisopropyl ether (DIPE)	0.698	0.654	6.3	100	0.00
19 TMP	1,1-Dichloroethane	0.463	0.445	3.9	100	0.00
20 TMP	Ethyl t-butyl ether (ETBE)	0.258	0.238	7.8	100	0.00
21 TMP	2,2-Dichloropropane	0.258	0.217	15.9	100	-0.01
22 TMP	cis-1,2-Dichloroethene	0.333	0.315	5.4	100	0.00
23 TMP	Chloroform	0.539	0.508	5.8	100	0.00
24 TMP	2-Butanone (MEK)	0.132	0.127	3.8	100	0.00
25 TMP	t-Amyl methyl ether (TAME)	0.540	0.524	3.0	100	0.00
26 TMP	1,2-Dichloroethane (EDC)	0.465	0.401	13.8	100	-0.01
27 TMP	1,1,1-Trichloroethane	0.482	0.459	4.8	100	0.00
28 TMP	1,1-Dichloropropene	0.370	0.354	4.3	100	0.00
29 TMP	Carbon tetrachloride	0.485	0.447	7.8	100	0.00
30 S	1,2-Dichloroethane-d4	0.062	0.060	3.2	100	0.00
31 TMP	Benzene	1.118	1.037	7.2	100	0.00
32 TMP	Trichloroethene	0.367	0.333	9.3	100	0.00
33 TMP	1,2-Dichloropropane	0.241	0.228	5.4	100	0.00
34 TMP	Bromodichloromethane	0.387	0.382	1.3	100	0.00
35 S	Toluene-d8	0.954	0.963	-0.9	100	0.00
36 TMP	Dibromomethane	0.219	0.200	8.7	100	0.00
37 TMP	4-Methyl-2-pentanone	0.042	0.043	-2.4	100	0.00
38 TMP	cis-1,3-Dichloropropene	0.360	0.337	6.4	100	0.00
39 I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40 TMP	Toluene	0.907	0.782	13.8	100	0.00
41 TMP	trans-1,3-Dichloropropene	0.366	0.333	9.0	100	0.00
42 TMP	1,1,2-Trichloroethane	0.285	0.254	10.9	100	0.00
43 TMP	2-Hexanone	0.190	0.189	0.5	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110515.D
 Acq On : 05 Nov 2022 03:03 pm
 Operator : VM
 Sample : 20 ppb 8260 ICAL 67-1770
 Misc : soil/water
 ALS Vial : 11 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:27 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.457	0.433	5.3	100	-0.01
45 TMP Tetrachloroethene	0.460	0.385	16.3	100	0.00
46 TMP Dibromochloromethane	0.451	0.411	8.9	100	-0.01
47 TMP 1,2-Dibromoethane (EDB)	0.360	0.339	5.8	100	0.00
48 TMP Chlorobenzene	0.993	0.937	5.6	100	0.00
49 TMP Ethylbenzene	1.557	1.456	6.5	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.387	0.369	4.7	100	0.00
51 TMP m,p-Xylene	0.612	0.573	6.4	100	0.00
52 TMP o-Xylene	0.591	0.551	6.8	100	0.00
53 TMP Styrene	0.887	0.865	2.5	100	0.00
54 TMP Isopropylbenzene	1.435	1.399	2.5	100	0.00
55 TMP Bromoform	0.299	0.277	7.4	100	0.00
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	0.689	0.658	4.5	100	0.00
58 TMP n-Propylbenzene	2.700	2.638	2.3	100	0.00
59 TMP Bromobenzene	0.837	0.769	8.1	100	0.00
60 TMP 1,3,5-Trimethylbenzene	1.968	1.914	2.7	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.626	0.586	6.4	100	0.00
62 TMP 1,2,3-Trichloropropane	0.486	0.456#	6.2	100	0.00
63 TMP 2-Chlorotoluene	1.617	1.544	4.5	100	0.00
64 TMP 4-Chlorotoluene	1.912	1.836	4.0	100	0.00
65 TMP tert-Butylbenzene	1.952	1.841	5.7	100	0.00
66 TMP 1,2,4-Trimethylbenzene	1.996	1.974	1.1	100	0.00
67 TMP sec-Butylbenzene	2.624	2.532	3.5	100	0.00
68 TMP p-Isopropyltoluene	2.387	2.336	2.1	100	0.00
69 TMP 1,3-Dichlorobenzene	1.530	1.418	7.3	100	0.00
70 TMP 1,4-Dichlorobenzene	1.564	1.447	7.5	100	0.00
71 TMP 1,2-Dichlorobenzene	1.455	1.377	5.4	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	0.108	0.098	9.3	100	0.00
73 TMP 1,2,4-Trichlorobenzene	0.971	0.900	7.3	100	0.00
74 TMP Hexachlorobutadiene	0.600	0.542	9.7	100	0.00
75 TMP Naphthalene	1.833	1.767	3.6	100	0.00
76 TMP 1,2,3-Trichlorobenzene	0.846	0.802	5.2	100	0.00

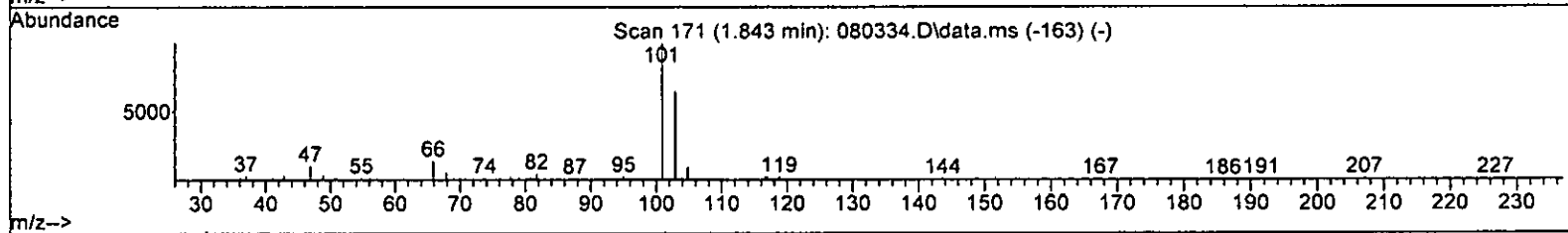
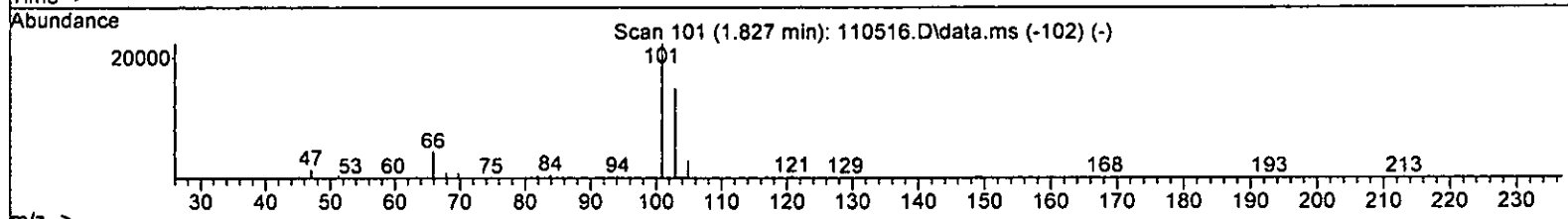
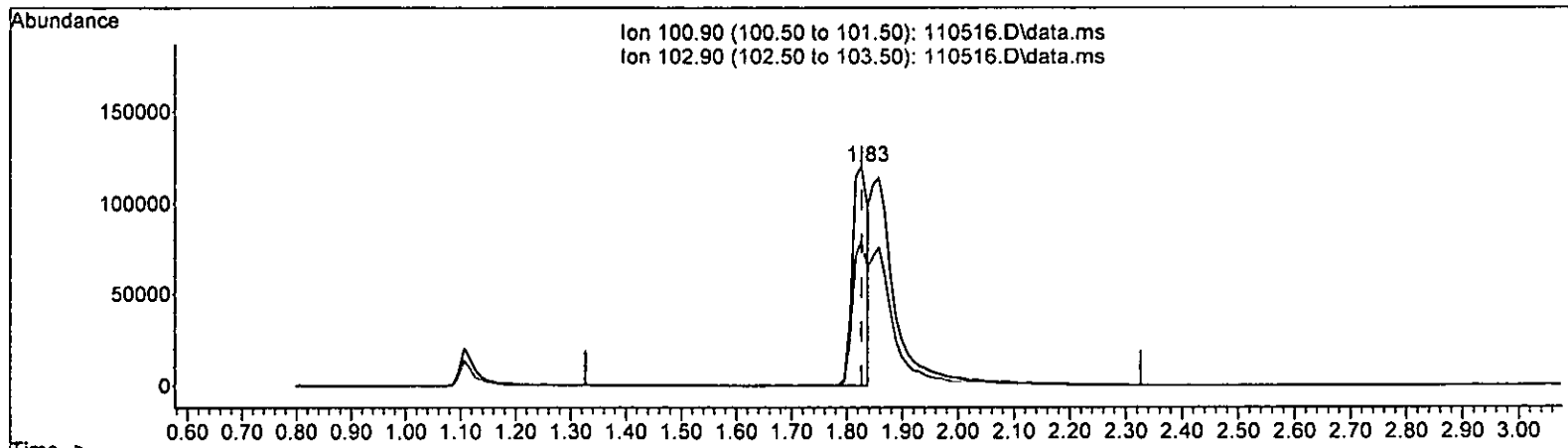
(#) = Out of Range

SPCC's out = 3 CCC's out = 0

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110516.D
 Acq On : 05 Nov 2022 03:26 pm
 Operator : VM
 Sample : 50 ppb 8260 ICAL 67-177Q
 Misc : soil/water
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:29 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110516.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.827min (-0.000) 19.654 ppb

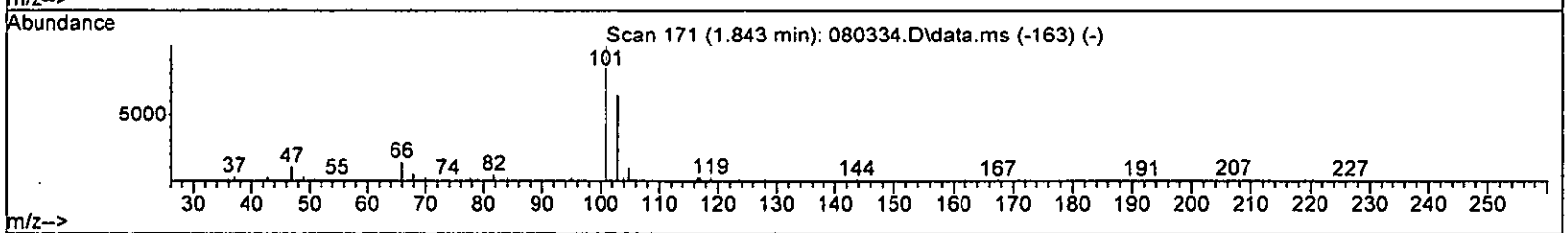
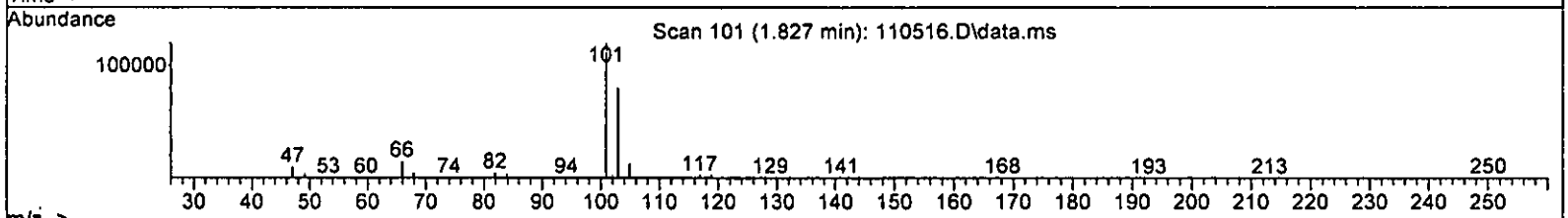
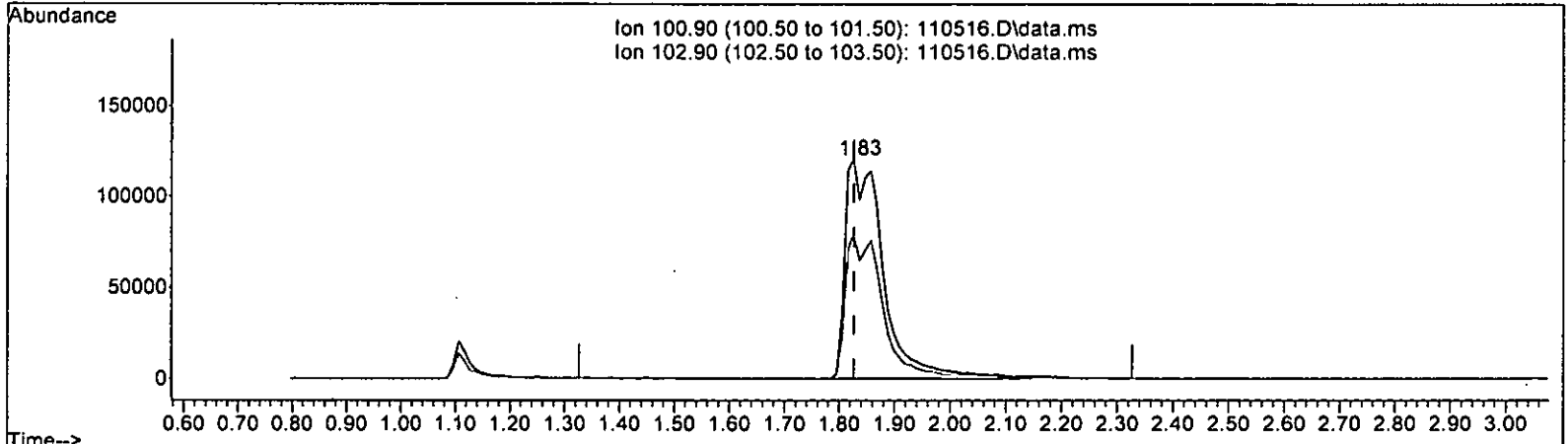
response 230351

Ion	Exp%	Act%
100.90	100.00	100.00
102.90	65.30	66.20
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110516.D
 Acq On : 05 Nov 2022 03:26 pm
 Operator : VM
 Sample : 50 ppb 8260 ICAL 67-177Q
 Misc : soil/water
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:29 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110516.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.827min (-0.000) 51.517 ppb m

response 603804

Ion	Exp%	Act%
100.90	100.00	100.00
102.90	65.30	66.20
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110516.D
 Acq On : 05 Nov 2022 03:26 pm
 Operator : VM
 Sample : 50 ppb 8260 ICAL 67-177Q
 Misc : soil/water
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:29 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	4.75	96	104359	10.000	ppb	0.00
39) Chlorobenzene-d5	7.40	117	89151	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	54409	10.000	ppb	0.00

System Monitoring Compounds						
3) Dibromofluoromethane	4.17	113	33926	10.137	ppb	0.00
Spiked Amount	10.000	Range	50 - 150	Recovery	=	101.40%
30) 1,2-Dichloroethane-d4	4.45	102	6097	9.401	ppb	0.00
Spiked Amount	10.000	Range	84 - 120	Recovery	=	94.00%
35) Toluene-d8	6.10	98	99660	10.013	ppb	0.00
Spiked Amount	10.000	Range	73 - 128	Recovery	=	100.10%
57) 4-Bromofluorobenzene	8.51	95	35686	9.519	ppb	0.00
Spiked Amount	10.000	Range	57 - 146	Recovery	=	95.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Ethanol	2.32	45	1031	No Calib		
4) Dichlorodifluoromethane	1.11	85	425263	50.935	ppb	100
5) Chloromethane	1.25	50	259514	50.941	ppb	94
6] Vinyl chloride	1.33	62	258562	48.608	ppb	93
7) Bromomethane	1.58	94	218505	48.464	ppb	98
8] Chloroethane	1.64	64	121939	51.097	ppb	95
9) Trichlorofluoromethane	1.83	101	603804m	51.517	ppb	
10) 2-Propanol	2.32	45	1031	No Calib		
11) Acetone	2.32	58	71817	256.870	ppb	94
12] 1,1-Dichloroethene	2.26	96	142681	47.989	ppb	81
13) Hexane	3.16	57	167601	49.679	ppb	99
14) Methylene chloride	2.68	84	143663	50.173	ppb	97
15) t-Butyl alcohol (TBA)	2.82	59	62329	248.840	ppb	85
16] Methyl t-butyl ether (...)	2.92	73	351150	50.539	ppb	96
17] trans-1,2-Dichloroethene	2.91	96	158198	47.600	ppb	83
18) Diisopropyl ether (DIPE)	3.35	45	386497	53.077	ppb	98
19] 1,1-Dichloroethane	3.27	63	240681	49.769	ppb	97
20) Ethyl t-butyl ether (E...)	3.65	87	134083	49.874	ppb	92
21) 2,2-Dichloropropane	3.76	77	141859	53.787	ppb	99
22] cis-1,2-Dichloroethene	3.77	96	168576	48.489	ppb	97
23) Chloroform	4.04	83	274480	48.831	ppb	98
24) 2-Butanone (MEK)	3.79	43	338019	256.148	ppb	98
25) t-Amyl methyl ether (T...)	4.61	73	296144	52.509	ppb	95
26] 1,2-Dichloroethane (EDC)	4.52	62	212803	50.632	ppb	92
27] 1,1,1-Trichloroethane	4.19	97	259725	51.653	ppb	97
28) 1,1-Dichloropropene	4.33	75	193901	50.975	ppb	96
29) Carbon tetrachloride	4.33	117	251127	49.603	ppb	100
31] Benzene	4.50	78	550546	47.173	ppb	100
32] Trichloroethene	5.05	95	177703	46.458	ppb #	76
33) 1,2-Dichloropropane	5.24	63	124438	49.488	ppb	97
34) Bromodichloromethane	5.48	83	208051	51.566	ppb	94
36) Dibromomethane	5.35	93	108653	47.441	ppb #	80

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110516.D
 Acq On : 05 Nov 2022 03:26 pm
 Operator : VM
 Sample : 50 ppb 8260 ICAL 67-177Q
 Misc : soil/water
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:29 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

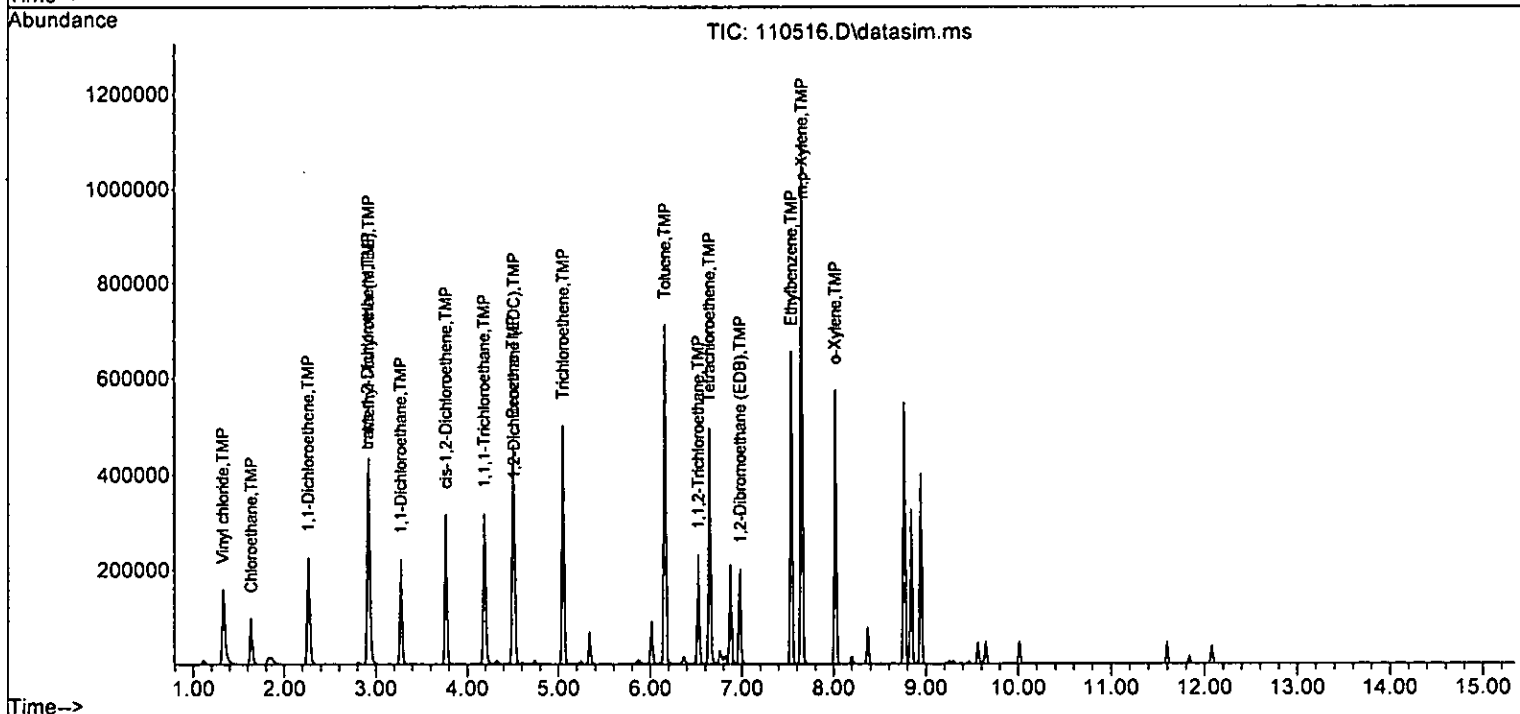
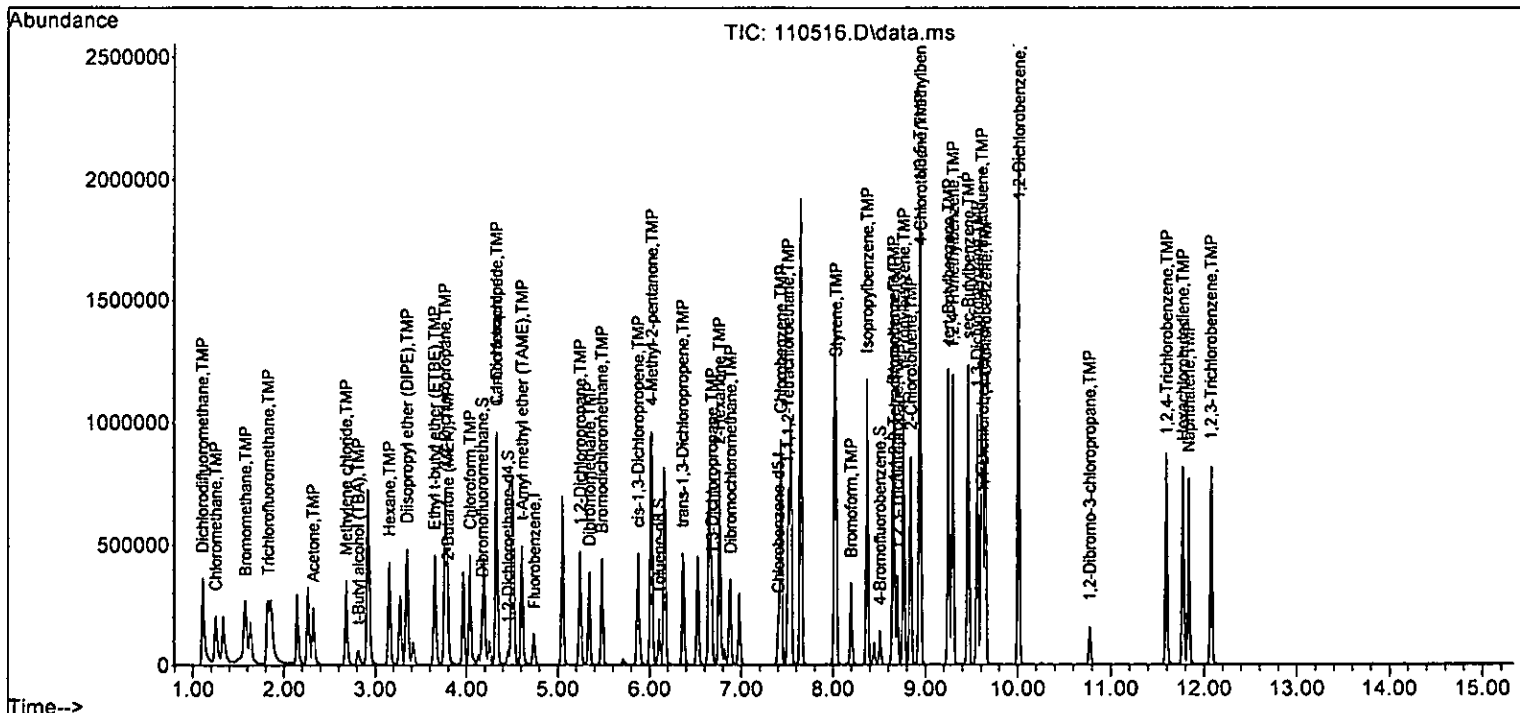
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	6.02	85	115859	261.687	ppb	96
38) cis-1,3-Dichloropropene	5.88	75	195682	52.073	ppb	94
40] Toluene	6.16	92	359717	50.375	ppb	95
41) trans-1,3-Dichloropropene	6.36	75	169634	51.247	ppb	91
42] 1,1,2-Trichloroethane	6.53	83	114906	50.226	ppb	90
43) 2-Hexanone	6.76	43	429891	254.388	ppb	96
44) 1,3-Dichloropropane	6.68	76	194481	47.712	ppb	99
45] Tetrachloroethene	6.65	164	178122	50.027	ppb	95
46) Dibromochloromethane	6.88	129	200310	50.775	ppb	99
47] 1,2-Dibromoethane (EDB)	6.98	107	156105	48.703	ppb	99
48) Chlorobenzene	7.43	112	431484	48.741	ppb	96
49] Ethylbenzene	7.54	91	664924	47.905	ppb	94
50) 1,1,1,2-Tetrachloroethane	7.51	131	179736	52.155	ppb	98
51] m,p-Xylene	7.65	106	525902	96.419	ppb	87
52] o-Xylene	8.02	106	258443	49.074	ppb	87
53) Styrene	8.03	104	406863	51.436	ppb	98
54) Isopropylbenzene	8.37	105	659285	51.519	ppb	94
55) Bromoform	8.20	173	136842	51.334	ppb	98
58) n-Propylbenzene	8.77	91	719974	49.016	ppb	90
59) Bromobenzene	8.65	156	216563	47.528	ppb #	81
60) 1,3,5-Trimethylbenzene	8.94	105	544631	50.873	ppb	93
61) 1,1,2,2-Tetrachloroethane	8.66	83	155632	49.738	ppb	97
62) 1,2,3-Trichloropropane	8.70	75	118403	44.757	ppb	93
63) 2-Chlorotoluene	8.84	91	417432	47.454	ppb	87
64) 4-Chlorotoluene	8.95	91	497012	47.777	ppb	87
65) tert-Butylbenzene	9.25	119	531939	50.088	ppb	93
66) 1,2,4-Trimethylbenzene	9.30	105	559878	51.545	ppb	93
67) sec-Butylbenzene	9.46	105	722254	50.593	ppb	94
68) p-Isopropyltoluene	9.61	119	676308	52.076	ppb	96
69) 1,3-Dichlorobenzene	9.56	146	396377	47.631	ppb	96
70) 1,4-Dichlorobenzene	9.65	146	405175	47.614	ppb	96
71) 1,2-Dichlorobenzene	10.01	146	386586	48.847	ppb	97
72) 1,2-Dibromo-3-chloropr...	10.77	75	28369	48.320	ppb	94
73) 1,2,4-Trichlorobenzene	11.60	180	267870	50.728	ppb	97
74) Hexachlorobutadiene	11.77	225	153221	46.956	ppb	96
75) Naphthalene	11.83	128	548761	51.009	ppb	99
76) 1,2,3-Trichlorobenzene	12.08	180	242270	52.636	ppb	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

1

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110516.D
 Acq On : 05 Nov 2022 03:26 pm
 Operator : VM
 Sample : 50 ppb 8260 ICAL 67-177Q
 Misc : soil/water
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:29 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110516.D
 Acq On : 05 Nov 2022 03:26 pm
 Operator : VM
 Sample : 50 ppb 8260 ICAL 67-177Q
 Misc : soil/water
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 InstName : GCMS13

Quant Time: Nov 07 15:17:29 2022
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 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2 TMP	Ethanol	-1.000	0.000	0.0	0	-0.01
3 S	Dibromofluoromethane	10.000	10.137	-1.4	100	0.00
4 TMP	Dichlorodifluoromethane	50.000	50.935	-1.9	100	-0.01
5 TMP	Chloromethane	50.000	50.941	-1.9	100	-0.01
6 TMP	Vinyl chloride	50.000	48.608	2.8	100	-0.01
7 TMP	Bromomethane	50.000	48.464	3.1	100	0.00
8 TMP	Chloroethane	50.000	51.097	-2.2	100	-0.01
9 TMP	Trichlorofluoromethane	50.000	51.517	-3.0	100	0.00
10 TMP	2-Propanol	-1.000	0.000	0.0	0	-0.01
11 TMP	Acetone	250.000	256.870	-2.7	100	-0.01
12 TMP	1,1-Dichloroethene	50.000	47.989	4.0	100	-0.01
13 TMP	Hexane	50.000	49.679	0.6	100	0.00
14 TMP	Methylene chloride	50.000	50.173	-0.3	100	0.00
15 TMP	t-Butyl alcohol (TBA)	250.000	248.840	0.5	100	0.00
16 TMP	Methyl t-butyl ether (MTBE)	50.000	50.539	-1.1	100	-0.01
17 TMP	trans-1,2-Dichloroethene	50.000	47.600	4.8	100	-0.01
18 TMP	Diisopropyl ether (DIPE)	50.000	53.077	-6.2	100	0.00
19 TMP	1,1-Dichloroethane	50.000	49.769	0.5	100	0.00
20 TMP	Ethyl t-butyl ether (ETBE)	50.000	49.874	0.3	100	-0.01
21 TMP	2,2-Dichloropropane	50.000	53.787	-7.6	100	-0.01
22 TMP	cis-1,2-Dichloroethene	50.000	48.489	3.0	100	0.00
23 TMP	Chloroform	50.000	48.831	2.3	100	0.00
24 TMP	2-Butanone (MEK)	250.000	256.148	-2.5	100	0.00
25 TMP	t-Amyl methyl ether (TAME)	50.000	52.509	-5.0	100	0.00
26 TMP	1,2-Dichloroethane (EDC)	50.000	50.632	-1.3	100	-0.01
27 TMP	1,1,1-Trichloroethane	50.000	51.653	-3.3	100	0.00
28 TMP	1,1-Dichloropropene	50.000	50.975	-2.0	100	0.00
29 TMP	Carbon tetrachloride	50.000	49.603	0.8	100	0.00
30 S	1,2-Dichloroethane-d4	10.000	9.401	6.0	100	0.00
31 TMP	Benzene	50.000	47.173	5.7	100	0.00
32 TMP	Trichloroethene	50.000	46.458	7.1	100	0.00
33 TMP	1,2-Dichloropropane	50.000	49.488	1.0	100	0.00
34 TMP	Bromodichloromethane	50.000	51.566	-3.1	100	0.00
35 S	Toluene-d8	10.000	10.013	-0.1	100	0.00
36 TMP	Dibromomethane	50.000	47.441	5.1	100	0.00
37 TMP	4-Methyl-2-pentanone	250.000	261.687	-4.7	100	0.00
38 TMP	cis-1,3-Dichloropropene	50.000	52.073	-4.1	100	0.00
39 I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40 TMP	Toluene	50.000	50.375	-0.8	100	0.00
41 TMP	trans-1,3-Dichloropropene	50.000	51.247	-2.5	100	0.00
42 TMP	1,1,2-Trichloroethane	50.000	50.226	-0.5	100	0.00
43 TMP	2-Hexanone	250.000	254.388	-1.8	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110516.D
 Acq On : 05 Nov 2022 03:26 pm
 Operator : VM
 Sample : 50 ppb 8260 ICAL 67-177Q
 Misc : soil/water
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:29 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	50.000	47.712	4.6	100	0.00
45 TMP Tetrachloroethene	50.000	50.027	-0.1	100	0.00
46 TMP Dibromochloromethane	50.000	50.775	-1.5	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	50.000	48.703	2.6	100	0.00
48 TMP Chlorobenzene	50.000	48.741	2.5	100	0.00
49 TMP Ethylbenzene	50.000	47.905	4.2	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	50.000	52.155	-4.3	100	0.00
51 TMP m,p-Xylene	100.000	96.419	3.6	100	0.00
52 TMP o-Xylene	50.000	49.074	1.9	100	0.00
53 TMP Styrene	50.000	51.436	-2.9	100	0.00
54 TMP Isopropylbenzene	50.000	51.519	-3.0	100	0.00
55 TMP Bromoform	50.000	51.334	-2.7	100	0.00
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	10.000	9.519	4.8	100	0.00
58 TMP n-Propylbenzene	50.000	49.016	2.0	100	0.00
59 TMP Bromobenzene	50.000	47.528	4.9	100	0.00
60 TMP 1,3,5-Trimethylbenzene	50.000	50.873	-1.7	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	50.000	49.738	0.5	100	0.00
62 TMP 1,2,3-Trichloropropane	50.000	44.757	10.5	100	0.00
63 TMP 2-Chlorotoluene	50.000	47.454	5.1	100	0.00
64 TMP 4-Chlorotoluene	50.000	47.777	4.4	100	0.00
65 TMP tert-Butylbenzene	50.000	50.088	-0.2	100	0.00
66 TMP 1,2,4-Trimethylbenzene	50.000	51.545	-3.1	100	0.00
67 TMP sec-Butylbenzene	50.000	50.593	-1.2	100	0.00
68 TMP p-Isopropyltoluene	50.000	52.076	-4.2	100	0.00
69 TMP 1,3-Dichlorobenzene	50.000	47.631	4.7	100	0.00
70 TMP 1,4-Dichlorobenzene	50.000	47.614	4.8	100	0.00
71 TMP 1,2-Dichlorobenzene	50.000	48.847	2.3	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	50.000	48.320	3.4	100	0.00
73 TMP 1,2,4-Trichlorobenzene	50.000	50.728	-1.5	100	0.00
74 TMP Hexachlorobutadiene	50.000	46.956	6.1	100	0.00
75 TMP Naphthalene	50.000	51.009	-2.0	100	0.00
76 TMP 1,2,3-Trichlorobenzene	50.000	52.636	-5.3	100	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110516.D
 Acq On : 05 Nov 2022 03:26 pm
 Operator : VM
 Sample : 50 ppb 8260 ICAL 67-177Q
 Misc : soil/water
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:29 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2 TMP	Ethanol	0.000	0.000#	0.0	0#	-0.01
3 S	Dibromofluoromethane	0.321	0.325	-1.2	100	0.00
4 TMP	Dichlorodifluoromethane	0.800	0.815	-1.9	100	-0.01
5 TMP	Chloromethane	0.488	0.497	-1.8	100	-0.01
6 TMP	Vinyl chloride	0.510	0.496	2.7	100	-0.01
7 TMP	Bromomethane	0.432	0.419	3.0	100	0.00
8 TMP	Chloroethane	0.229	0.234	-2.2	100	-0.01
9 TMP	Trichlorofluoromethane	1.123	1.157	-3.0	100	0.00
10 TMP	2-Propanol	0.000	0.000	0.0	0#	-0.01
11 TMP	Acetone	0.029	0.028	3.4	100	-0.01
12 TMP	1,1-Dichloroethene	0.285	0.273	4.2	100	-0.01
13 TMP	Hexane	0.323	0.321	0.6	100	0.00
14 TMP	Methylene chloride	0.289	0.275	4.8	100	0.00
15 TMP	t-Butyl alcohol (TBA)	0.024	0.024#	0.0	100	0.00
16 TMP	Methyl t-butyl ether (MTBE)	0.666	0.673	-1.1	100	-0.01
17 TMP	trans-1,2-Dichloroethene	0.318	0.303	4.7	100	-0.01
18 TMP	Diisopropyl ether (DIPE)	0.698	0.741	-6.2	100	0.00
19 TMP	1,1-Dichloroethane	0.463	0.461	0.4	100	0.00
20 TMP	Ethyl t-butyl ether (ETBE)	0.258	0.257	0.4	100	-0.01
21 TMP	2,2-Dichloropropane	0.258	0.272	-5.4	100	-0.01
22 TMP	cis-1,2-Dichloroethene	0.333	0.323	3.0	100	0.00
23 TMP	Chloroform	0.539	0.526	2.4	100	0.00
24 TMP	2-Butanone (MEK)	0.132	0.130	1.5	100	0.00
25 TMP	t-Amyl methyl ether (TAME)	0.540	0.568	-5.2	100	0.00
26 TMP	1,2-Dichloroethane (EDC)	0.465	0.408	12.3	100	-0.01
27 TMP	1,1,1-Trichloroethane	0.482	0.498	-3.3	100	0.00
28 TMP	1,1-Dichloropropene	0.370	0.372	-0.5	100	0.00
29 TMP	Carbon tetrachloride	0.485	0.481	0.8	100	0.00
30 S	1,2-Dichloroethane-d4	0.062	0.058	6.5	100	0.00
31 TMP	Benzene	1.118	1.055	5.6	100	0.00
32 TMP	Trichloroethene	0.367	0.341	7.1	100	0.00
33 TMP	1,2-Dichloropropane	0.241	0.238	1.2	100	0.00
34 TMP	Bromodichloromethane	0.387	0.399	-3.1	100	0.00
35 S	Toluene-d8	0.954	0.955	-0.1	100	0.00
36 TMP	Dibromomethane	0.219	0.208	5.0	100	0.00
37 TMP	4-Methyl-2-pentanone	0.042	0.044	-4.8	100	0.00
38 TMP	cis-1,3-Dichloropropene	0.360	0.375	-4.2	100	0.00
39 I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40 TMP	Toluene	0.907	0.807	11.0	100	0.00
41 TMP	trans-1,3-Dichloropropene	0.366	0.381	-4.1	100	0.00
42 TMP	1,1,2-Trichloroethane	0.285	0.258	9.5	100	0.00
43 TMP	2-Hexanone	0.190	0.193	-1.6	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110516.D
 Acq On : 05 Nov 2022 03:26 pm
 Operator : VM
 Sample : 50 ppb 8260 ICAL 67-177Q
 Misc : soil/water
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:29 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.457	0.436	4.6	100	0.00
45 TMP Tetrachloroethene	0.460	0.400	13.0	100	0.00
46 TMP Dibromochloromethane	0.451	0.449	0.4	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	0.360	0.350	2.8	100	0.00
48 TMP Chlorobenzene	0.993	0.968	2.5	100	0.00
49 TMP Ethylbenzene	1.557	1.492	4.2	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.387	0.403	-4.1	100	0.00
51 TMP m,p-Xylene	0.612	0.590	3.6	100	0.00
52 TMP o-Xylene	0.591	0.580	1.9	100	0.00
53 TMP Styrene	0.887	0.913	-2.9	100	0.00
54 TMP Isopropylbenzene	1.435	1.479	-3.1	100	0.00
55 TMP Bromoform	0.299	0.307	-2.7	100	0.00
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	0.689	0.656	4.8	100	0.00
58 TMP n-Propylbenzene	2.700	2.647	2.0	100	0.00
59 TMP Bromobenzene	0.837	0.796	4.9	100	0.00
60 TMP 1,3,5-Trimethylbenzene	1.968	2.002	-1.7	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.626	0.572	8.6	100	0.00
62 TMP 1,2,3-Trichloropropane	0.486	0.435#	10.5	100	0.00
63 TMP 2-Chlorotoluene	1.617	1.534	5.1	100	0.00
64 TMP 4-Chlorotoluene	1.912	1.827	4.4	100	0.00
65 TMP tert-Butylbenzene	1.952	1.955	-0.2	100	0.00
66 TMP 1,2,4-Trimethylbenzene	1.996	2.058	-3.1	100	0.00
67 TMP sec-Butylbenzene	2.624	2.655	-1.2	100	0.00
68 TMP p-Isopropyltoluene	2.387	2.486	-4.1	100	0.00
69 TMP 1,3-Dichlorobenzene	1.530	1.457	4.8	100	0.00
70 TMP 1,4-Dichlorobenzene	1.564	1.489	4.8	100	0.00
71 TMP 1,2-Dichlorobenzene	1.455	1.421	2.3	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	0.108	0.104	3.7	100	0.00
73 TMP 1,2,4-Trichlorobenzene	0.971	0.985	-1.4	100	0.00
74 TMP Hexachlorobutadiene	0.600	0.563	6.2	100	0.00
75 TMP Naphthalene	1.833	2.017	-10.0	100	0.00
76 TMP 1,2,3-Trichlorobenzene	0.846	0.891	-5.3	100	0.00

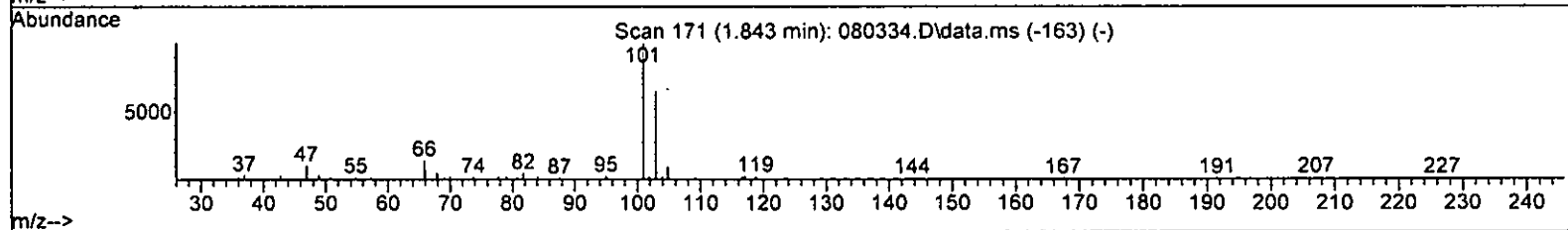
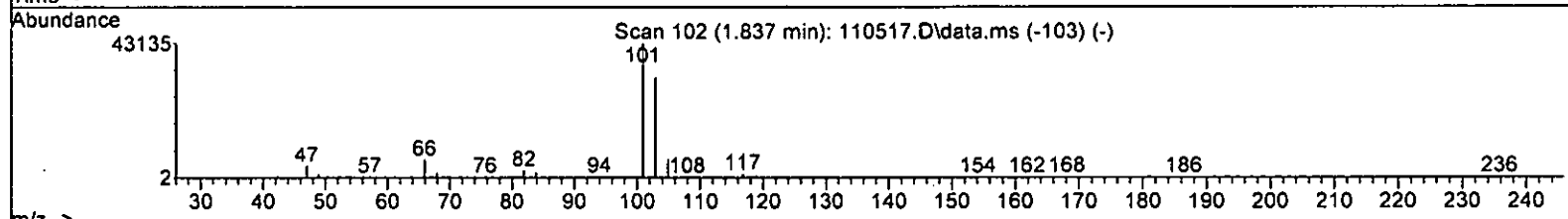
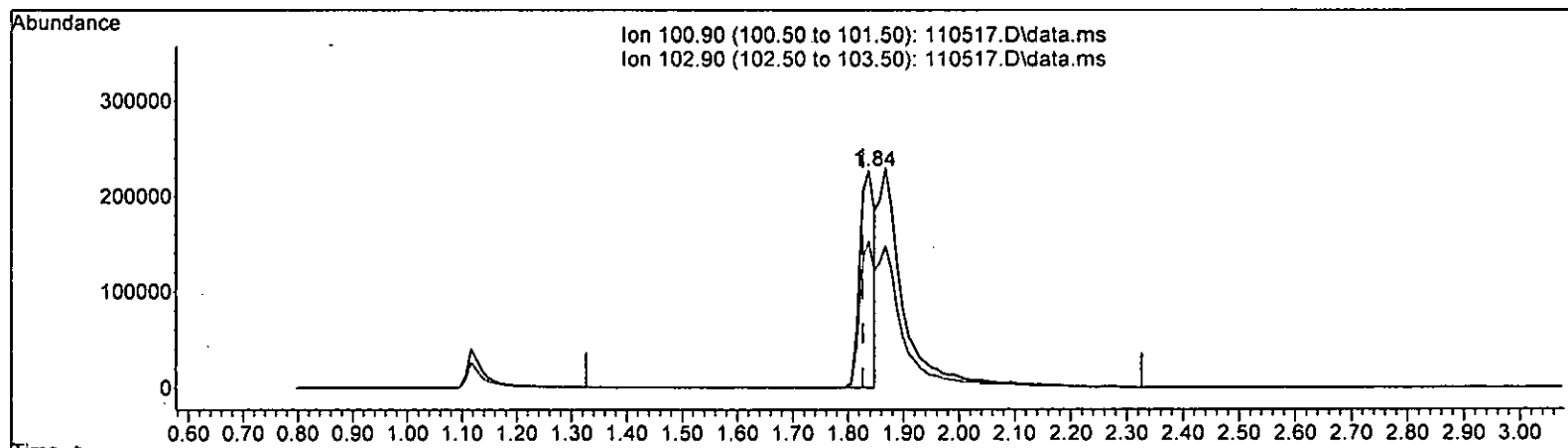
(#) = Out of Range

SPCC's out = 3 CCC's out = 0

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110517.D
 Acq On : 05 Nov 2022 03:49 pm
 Operator : VM
 Sample : 100 ppb 8260 ICAL 67-177S
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:31 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110517.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.837min (+ 0.010) 35.758 ppb

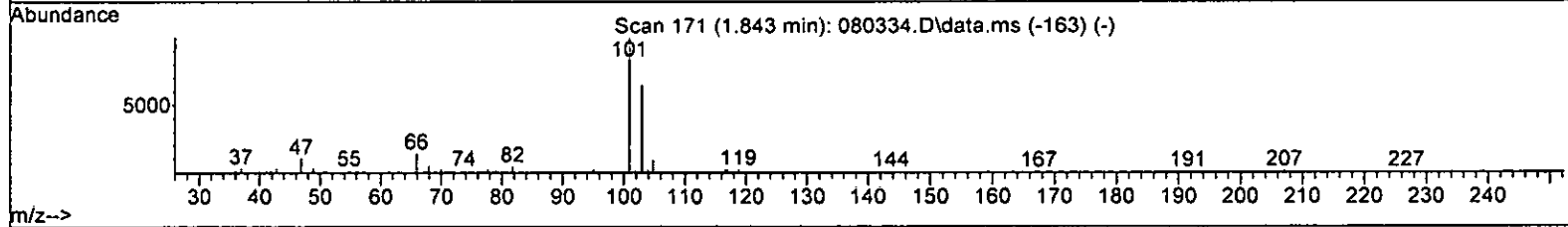
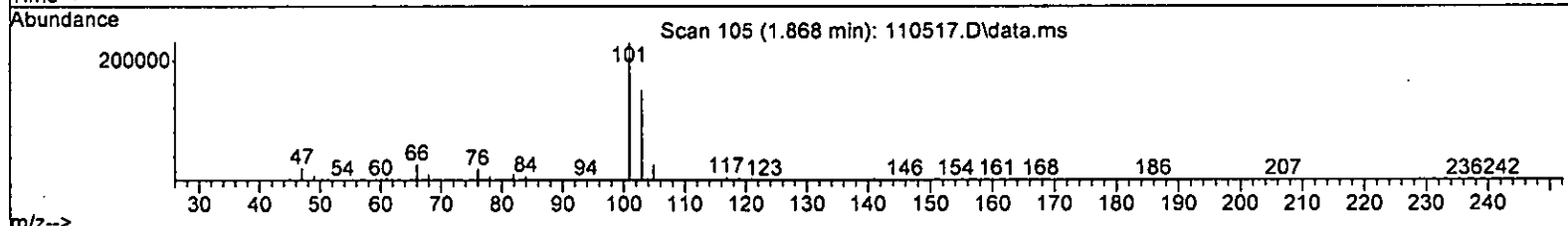
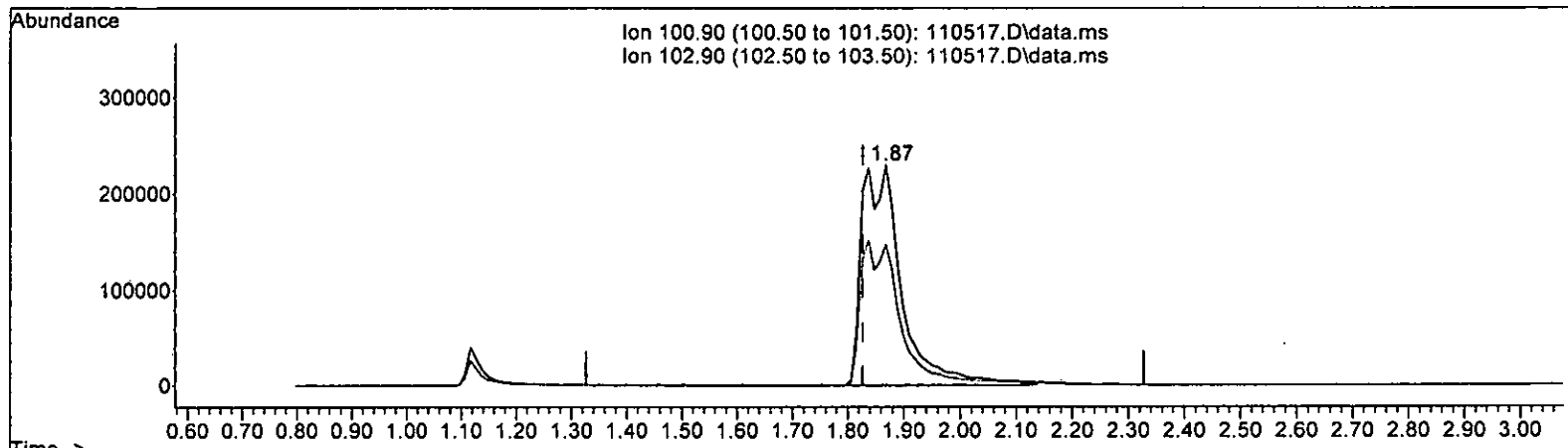
response 422448

Ion	Exp%	Act%
100.90	100.00	100.00
102.90	65.30	67.17
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110517.D
 Acq On : 05 Nov 2022 03:49 pm
 Operator : VM
 Sample : 100 ppb 8260 ICAL 67-177S
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:31 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110517.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.868min (+ 0.041) 100.168 ppb m

response 1183404

Ion	Exp%	Act%
100.90	100.00	100.00
102.90	65.30	64.39
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110517.D
 Acq On : 05 Nov 2022 03:49 pm
 Operator : VM
 Sample : 100 ppb 8260 ICAL 67-177S
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:31 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	4.75	96	105192	10.000	ppb	0.00
39) Chlorobenzene-d5	7.40	117	89610	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	53646	10.000	ppb	# 0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.17	113	33932	10.059	ppb	0.00
Spiked Amount	10.000	Range 50 - 150	Recovery	=	100.60%	
30) 1,2-Dichloroethane-d4	4.45	102	6377	9.755	ppb	0.00
Spiked Amount	10.000	Range 84 - 120	Recovery	=	97.50%	
35) Toluene-d8	6.10	98	103154	10.282	ppb	0.00
Spiked Amount	10.000	Range 73 - 128	Recovery	=	102.80%	
57) 4-Bromofluorobenzene	8.51	95	35439	9.587	ppb	0.00
Spiked Amount	10.000	Range 57 - 146	Recovery	=	95.90%	
Target Compounds						
						Qvalue
2) Ethanol	2.33	45	1809	No Calib		
4) Dichlorodifluoromethane	1.12	85	860744	102.278	ppb	99
5) Chloromethane	1.26	50	514764	100.244	ppb	94
6] Vinyl chloride	1.34	62	502810	93.776	ppb	92
7) Bromomethane	1.59	94	428185	94.218	ppb	99
8] Chloroethane	1.65	64	236636	98.373	ppb	98
9) Trichlorofluoromethane	1.87	101	1183404m	100.168	ppb	
10) 2-Propanol	2.33	45	1809	No Calib	#	
11) Acetone	2.33	58	141862	487.278	ppb	89
12] 1,1-Dichloroethene	2.27	96	278841	93.041	ppb	82
13) Hexane	3.16	57	334108	98.249	ppb	99
14) Methylene chloride	2.69	84	284355	99.445	ppb	98
15) t-Butyl alcohol (TBA)	2.82	59	128300	508.164	ppb	89
16] Methyl t-butyl ether (...)	2.93	73	703749	100.484	ppb	99
17] trans-1,2-Dichloroethene	2.92	96	309906	92.509	ppb	89
18) Diisopropyl ether (DIPE)	3.35	45	699074	95.242	ppb	98
19] 1,1-Dichloroethane	3.28	63	474578	97.358	ppb	93
20) Ethyl t-butyl ether (E...)	3.66	87	274496	101.295	ppb	95
21) 2,2-Dichloropropane	3.77	77	278976	99.759	ppb	98
22] cis-1,2-Dichloroethene	3.77	96	329614	94.059	ppb	93
23) Chloroform	4.04	83	543954	96.005	ppb	98
24) 2-Butanone (MEK)	3.79	43	670030	497.204	ppb	97
25) t-Amyl methyl ether (T...)	4.61	73	611205	107.515	ppb	95
26] 1,2-Dichloroethane (EDC)	4.53	62	413759	98.390	ppb	97
27] 1,1,1-Trichloroethane	4.19	97	527092	103.996	ppb	96
28) 1,1-Dichloropropene	4.33	75	384929	99.233	ppb	98
29) Carbon tetrachloride	4.33	117	524354	102.752	ppb	99
31] Benzene	4.50	78	1068708	90.846	ppb	96
32] Trichloroethene	5.05	95	353871	91.783	ppb	87
33) 1,2-Dichloropropane	5.24	63	247385	97.604	ppb	97
34) Bromodichloromethane	5.48	83	414881	102.016	ppb	93
36) Dibromomethane	5.35	93	212727	92.148	ppb	# 82

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110517.D
 Acq On : 05 Nov 2022 03:49 pm
 Operator : VM
 Sample : 100 ppb 8260 ICAL 67-177S
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS13

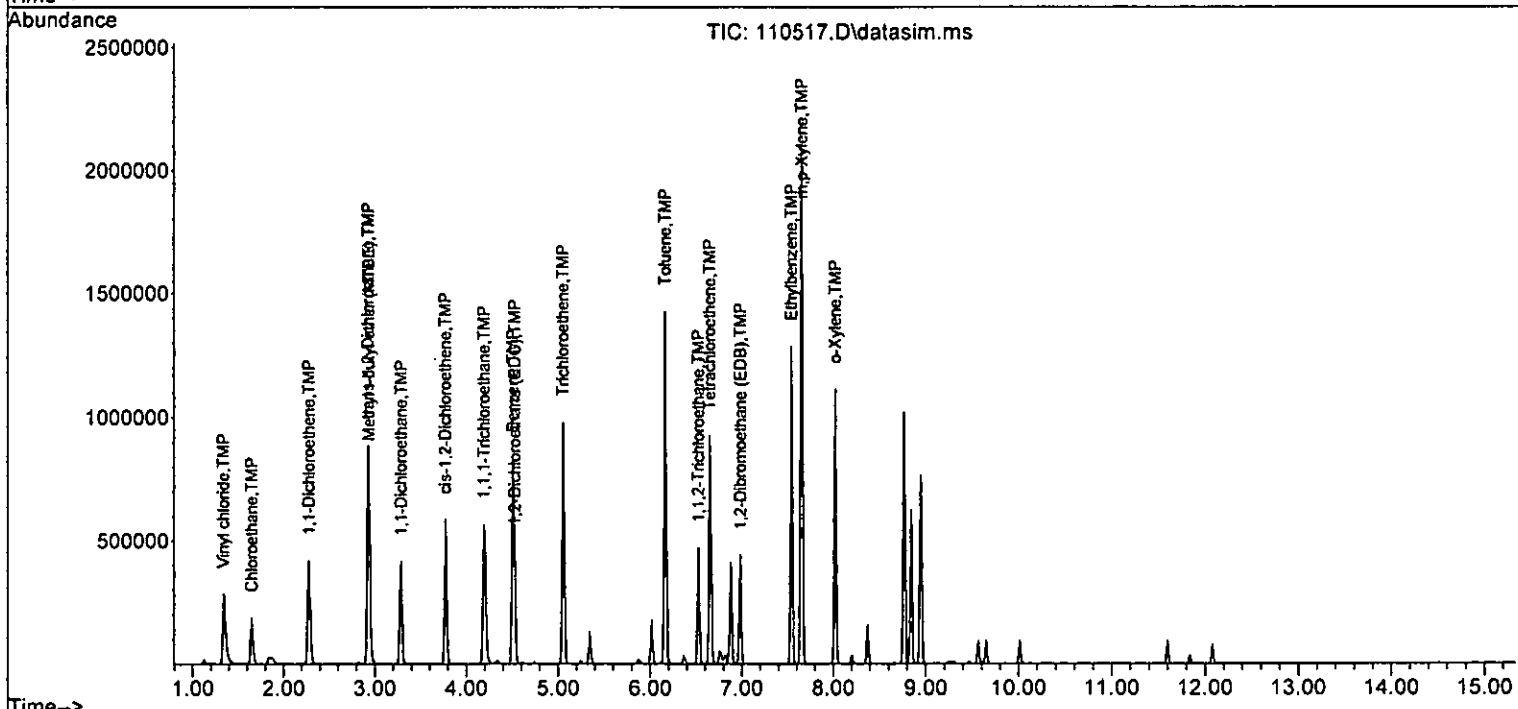
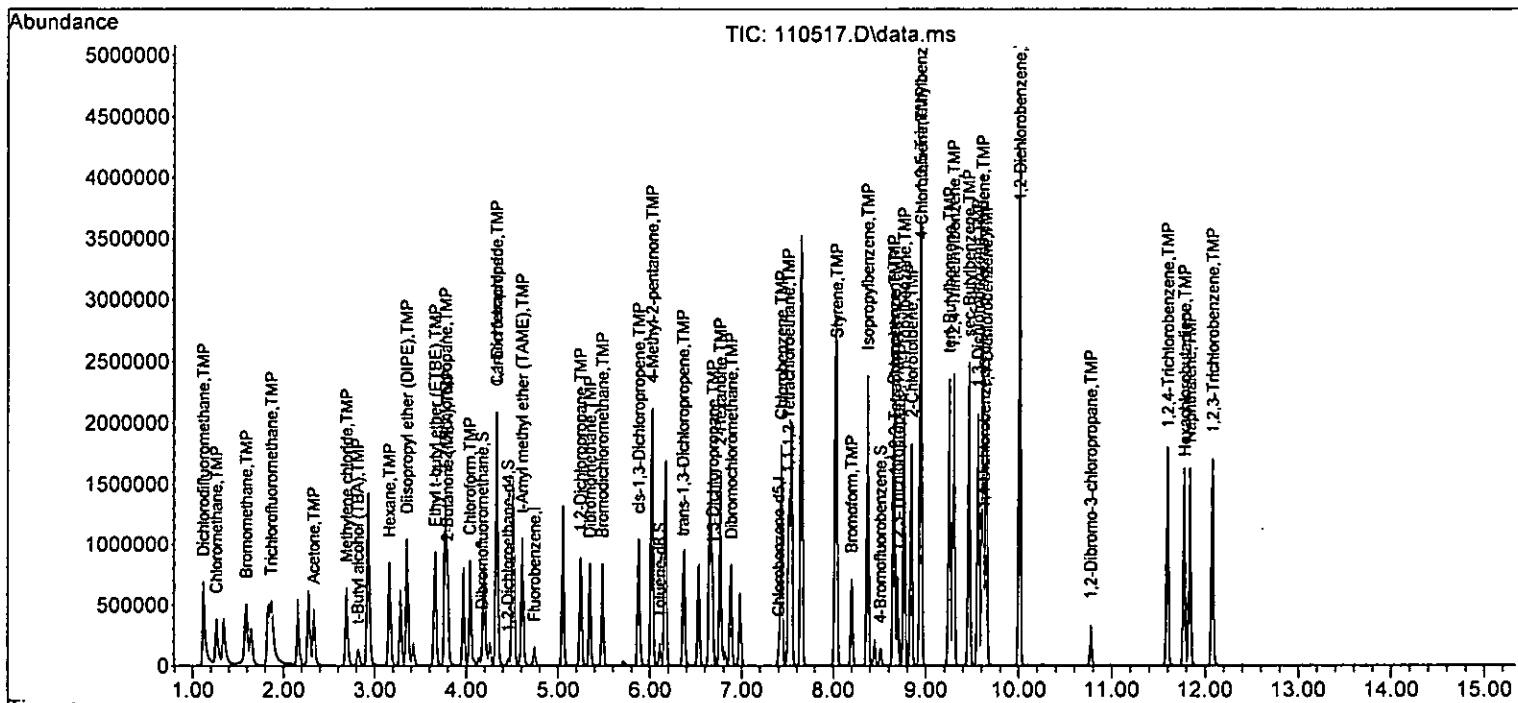
Quant Time: Nov 07 15:17:31 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	6.02	85	233727	523.731	ppb	92
38) cis-1,3-Dichloropropene	5.88	75	414829	109.515	ppb	93
40] Toluene	6.16	92	714832	99.536	ppb	96
41) trans-1,3-Dichloropropene	6.36	75	362461	102.439	ppb	90
42] 1,1,2-Trichloroethane	6.53	83	226873	99.549	ppb	94
43) 2-Hexanone	6.76	43	839889	494.459	ppb	96
44) 1,3-Dichloropropane	6.68	76	383337	93.563	ppb	100
45] Tetrachloroethene	6.65	164	362286	99.678	ppb	97
46) Dibromochloromethane	6.88	129	417420	101.492	ppb	100
47] 1,2-Dibromoethane (EDB)	6.98	107	312463	96.985	ppb	99
48) Chlorobenzene	7.43	112	877400	98.605	ppb	96
49] Ethylbenzene	7.54	91	1307177	93.694	ppb	94
50) 1,1,1,2-Tetrachloroethane	7.51	131	368821	106.474	ppb	97
51] m,p-Xylene	7.65	106	1043566	190.347	ppb	86
52] o-Xylene	8.02	106	515865	97.451	ppb	86
53) Styrene	8.03	104	814604	102.456	ppb	98
54) Isopropylbenzene	8.37	105	1338012	104.021	ppb	93
55) Bromoform	8.20	173	289069	107.884	ppb	98
58) n-Propylbenzene	8.77	91	1405896	97.074	ppb	89
59) Bromobenzene	8.65	156	448216	99.767	ppb #	79
60) 1,3,5-Trimethylbenzene	8.94	105	1079379	102.257	ppb	90
61) 1,1,2,2-Tetrachloroethane	8.66	83	300453	98.329	ppb	98
62) 1,2,3-Trichloropropane	8.70	75	232114	88.989	ppb	93
63) 2-Chlorotoluene	8.84	91	814498	93.910	ppb	86
64) 4-Chlorotoluene	8.95	91	971587	94.725	ppb	85
65) tert-Butylbenzene	9.25	119	1090813	104.174	ppb	91
66) 1,2,4-Trimethylbenzene	9.30	105	1124498	105.000	ppb	92
67) sec-Butylbenzene	9.46	105	1456640	103.486	ppb	92
68) p-Isopropyltoluene	9.61	119	1391289	108.654	ppb	96
69) 1,3-Dichlorobenzene	9.56	146	811824	98.940	ppb	97
70) 1,4-Dichlorobenzene	9.65	146	821584	97.921	ppb	96
71) 1,2-Dichlorobenzene	10.01	146	788041	100.988	ppb	97
72) 1,2-Dibromo-3-chloropr...	10.77	75	59276	102.399	ppb	92
73) 1,2,4-Trichlorobenzene	11.60	180	560478	107.651	ppb	97
74) Hexachlorobutadiene	11.78	225	317726	98.756	ppb	98
75) Naphthalene	11.83	128	1163987	102.651	ppb	99
76) 1,2,3-Trichlorobenzene	12.08	180	506400	111.587	ppb	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110517.D
 Acq On : 05 Nov 2022 03:49 pm
 Operator : VM
 Sample : 100 ppb 8260 ICAL 67-177S
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:31 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110517.D
 Acq On : 05 Nov 2022 03:49 pm
 Operator : VM
 Sample : 100 ppb 8260 ICAL 67-1775
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:31 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2 TMP	Ethanol	-1.000	0.000	0.0	0	0.00
3 S	Dibromofluoromethane	10.000	10.059	-0.6	100	0.00
4 TMP	Dichlorodifluoromethane	100.000	102.278	-2.3	100	0.00
5 TMP	Chloromethane	100.000	100.244	-0.2	100	0.00
6 TMP	Vinyl chloride	100.000	93.776	6.2	100	0.00
7 TMP	Bromomethane	100.000	94.218	5.8	100	0.01
8 TMP	Chloroethane	100.000	98.373	1.6	100	0.00
9 TMP	Trichlorofluoromethane	100.000	100.168	-0.2	100	0.04
10 TMP	2-Propanol	-1.000	0.000	0.0	0	0.00
11 TMP	Acetone	500.000	487.278	2.5	100	0.00
12 TMP	1,1-Dichloroethene	100.000	93.041	7.0	100	0.00
13 TMP	Hexane	100.000	98.249	1.8	100	0.00
14 TMP	Methylene chloride	100.000	99.445	0.6	100	0.00
15 TMP	t-Butyl alcohol (TBA)	500.000	508.164	-1.6	100	0.00
16 TMP	Methyl t-butyl ether (MTBE)	100.000	100.484	-0.5	100	0.00
17 TMP	trans-1,2-Dichloroethene	100.000	92.509	7.5	100	0.00
18 TMP	Diisopropyl ether (DIPE)	100.000	95.242	4.8	100	0.00
19 TMP	1,1-Dichloroethane	100.000	97.358	2.6	100	0.00
20 TMP	Ethyl t-butyl ether (ETBE)	100.000	101.295	-1.3	100	0.00
21 TMP	2,2-Dichloropropane	100.000	99.759	0.2	100	0.00
22 TMP	cis-1,2-Dichloroethene	100.000	94.059	5.9	100	0.00
23 TMP	Chloroform	100.000	96.005	4.0	100	0.00
24 TMP	2-Butanone (MEK)	500.000	497.204	0.6	100	0.00
25 TMP	t-Amyl methyl ether (TAME)	100.000	107.515	-7.5	100	0.00
26 TMP	1,2-Dichloroethane (EDC)	100.000	98.390	1.6	100	0.00
27 TMP	1,1,1-Trichloroethane	100.000	103.996	-4.0	100	0.00
28 TMP	1,1-Dichloropropene	100.000	99.233	0.8	100	0.00
29 TMP	Carbon tetrachloride	100.000	102.752	-2.8	100	0.00
30 S	1,2-Dichloroethane-d4	10.000	9.755	2.4	100	0.00
31 TMP	Benzene	100.000	90.846	9.2	100	0.00
32 TMP	Trichloroethene	100.000	91.783	8.2	100	0.00
33 TMP	1,2-Dichloropropane	100.000	97.604	2.4	100	0.00
34 TMP	Bromodichloromethane	100.000	102.016	-2.0	100	0.00
35 S	Toluene-d8	10.000	10.282	-2.8	100	0.00
36 TMP	Dibromomethane	100.000	92.148	7.9	100	0.00
37 TMP	4-Methyl-2-pentanone	500.000	523.731	-4.7	100	0.00
38 TMP	cis-1,3-Dichloropropene	100.000	109.515	-9.5	100	0.00
39 I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40 TMP	Toluene	100.000	99.536	0.5	100	0.00
41 TMP	trans-1,3-Dichloropropene	100.000	102.439	-2.4	100	0.00
42 TMP	1,1,2-Trichloroethane	100.000	99.549	0.5	100	0.00
43 TMP	2-Hexanone	500.000	494.459	1.1	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110517.D
 Acq On : 05 Nov 2022 03:49 pm
 Operator : VM
 Sample : 100 ppb 8260 ICAL 67-177S
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:31 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	100.000	93.563	6.4	100	0.00
45 TMP Tetrachloroethene	100.000	99.678	0.3	100	0.00
46 TMP Dibromochloromethane	100.000	101.492	-1.5	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	100.000	96.985	3.0	100	0.00
48 TMP Chlorobenzene	100.000	98.605	1.4	100	0.00
49 TMP Ethylbenzene	100.000	93.694	6.3	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	100.000	106.474	-6.5	100	0.00
51 TMP m,p-Xylene	200.000	190.347	4.8	100	0.00
52 TMP o-Xylene	100.000	97.451	2.5	100	0.00
53 TMP Styrene	100.000	102.456	-2.5	100	0.00
54 TMP Isopropylbenzene	100.000	104.021	-4.0	100	0.00
55 TMP Bromoform	100.000	107.884	-7.9	100	0.00
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	10.000	9.587	4.1	100	0.00
58 TMP n-Propylbenzene	100.000	97.074	2.9	100	0.00
59 TMP Bromobenzene	100.000	99.767	0.2	100	0.00
60 TMP 1,3,5-Trimethylbenzene	100.000	102.257	-2.3	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	100.000	98.329	1.7	100	0.00
62 TMP 1,2,3-Trichloropropane	100.000	88.989	11.0	100	0.00
63 TMP 2-Chlorotoluene	100.000	93.910	6.1	100	0.00
64 TMP 4-Chlorotoluene	100.000	94.725	5.3	100	0.00
65 TMP tert-Butylbenzene	100.000	104.174	-4.2	100	0.00
66 TMP 1,2,4-Trimethylbenzene	100.000	105.000	-5.0	100	0.00
67 TMP sec-Butylbenzene	100.000	103.486	-3.5	100	0.00
68 TMP p-Isopropyltoluene	100.000	108.654	-8.7	100	0.00
69 TMP 1,3-Dichlorobenzene	100.000	98.940	1.1	100	0.00
70 TMP 1,4-Dichlorobenzene	100.000	97.921	2.1	100	0.00
71 TMP 1,2-Dichlorobenzene	100.000	100.988	-1.0	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	100.000	102.399	-2.4	100	0.00
73 TMP 1,2,4-Trichlorobenzene	100.000	107.651	-7.7	100	0.00
74 TMP Hexachlorobutadiene	100.000	98.756	1.2	100	0.00
75 TMP Naphthalene	100.000	102.651	-2.7	100	0.00
76 TMP 1,2,3-Trichlorobenzene	100.000	111.587	-11.6	100	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110517.D
 Acq On : 05 Nov 2022 03:49 pm
 Operator : VM
 Sample : 100 ppb 8260 ICAL 67-1775
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:31 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2 TMP	Ethanol	0.000	0.000#	0.0	0#	0.00
3 S	Dibromofluoromethane	0.321	0.323	-0.6	100	0.00
4 TMP	Dichlorodifluoromethane	0.800	0.818	-2.2	100	0.00
5 TMP	Chloromethane	0.488	0.489	-0.2	100	0.00
6 TMP	Vinyl chloride	0.510	0.478	6.3	100	0.00
7 TMP	Bromomethane	0.432	0.407	5.8	100	0.01
8 TMP	Chloroethane	0.229	0.225	1.7	100	0.00
9 TMP	Trichlorofluoromethane	1.123	1.125	-0.2	100	0.04
10 TMP	2-Propanol	0.000	0.000	0.0	0#	0.00
11 TMP	Acetone	0.029	0.027	6.9	100	0.00
12 TMP	1,1-Dichloroethene	0.285	0.265	7.0	100	0.00
13 TMP	Hexane	0.323	0.318	1.5	100	0.00
14 TMP	Methylene chloride	0.289	0.270	6.6	100	0.00
15 TMP	t-Butyl alcohol (TBA)	0.024	0.024#	0.0	100	0.00
16 TMP	Methyl t-butyl ether (MTBE)	0.666	0.669	-0.5	100	0.00
17 TMP	trans-1,2-Dichloroethene	0.318	0.295	7.2	100	0.00
18 TMP	Diisopropyl ether (DIPE)	0.698	0.665	4.7	100	0.00
19 TMP	1,1-Dichloroethane	0.463	0.451	2.6	100	0.00
20 TMP	Ethyl t-butyl ether (ETBE)	0.258	0.261	-1.2	100	0.00
21 TMP	2,2-Dichloropropane	0.258	0.265	-2.7	100	0.00
22 TMP	cis-1,2-Dichloroethene	0.333	0.313	6.0	100	0.00
23 TMP	Chloroform	0.539	0.517	4.1	100	0.00
24 TMP	2-Butanone (MEK)	0.132	0.127	3.8	100	0.00
25 TMP	t-Amyl methyl ether (TAME)	0.540	0.581	-7.6	100	0.00
26 TMP	1,2-Dichloroethane (EDC)	0.465	0.393	15.5	100	0.00
27 TMP	1,1,1-Trichloroethane	0.482	0.501	-3.9	100	0.00
28 TMP	1,1-Dichloropropene	0.370	0.366	1.1	100	0.00
29 TMP	Carbon tetrachloride	0.485	0.498	-2.7	100	0.00
30 S	1,2-Dichloroethane-d4	0.062	0.061	1.6	100	0.00
31 TMP	Benzene	1.118	1.016	9.1	100	0.00
32 TMP	Trichloroethene	0.367	0.336	8.4	100	0.00
33 TMP	1,2-Dichloropropane	0.241	0.235	2.5	100	0.00
34 TMP	Bromodichloromethane	0.387	0.394	-1.8	100	0.00
35 S	Toluene-d8	0.954	0.981	-2.8	100	0.00
36 TMP	Dibromomethane	0.219	0.202	7.8	100	0.00
37 TMP	4-Methyl-2-pentanone	0.042	0.044	-4.8	100	0.00
38 TMP	cis-1,3-Dichloropropene	0.360	0.394	-9.4	100	0.00
39 I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40 TMP	Toluene	0.907	0.798	12.0	100	0.00
41 TMP	trans-1,3-Dichloropropene	0.366	0.404	-10.4	100	0.00
42 TMP	1,1,2-Trichloroethane	0.285	0.253	11.2	100	0.00
43 TMP	2-Hexanone	0.190	0.187	1.6	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110517.D
 Acq On : 05 Nov 2022 03:49 pm
 Operator : VM
 Sample : 100 ppb 8260 ICAL 67-177S
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:31 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.457	0.428	6.3	100	0.00
45 TMP Tetrachloroethene	0.460	0.404	12.2	100	0.00
46 TMP Dibromochloromethane	0.451	0.466	-3.3	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	0.360	0.349	3.1	100	0.00
48 TMP Chlorobenzene	0.993	0.979	1.4	100	0.00
49 TMP Ethylbenzene	1.557	1.459	6.3	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.387	0.412	-6.5	100	0.00
51 TMP m,p-Xylene	0.612	0.582	4.9	100	0.00
52 TMP o-Xylene	0.591	0.576	2.5	100	0.00
53 TMP Styrene	0.887	0.909	-2.5	100	0.00
54 TMP Isopropylbenzene	1.435	1.493	-4.0	100	0.00
55 TMP Bromoform	0.299	0.323	-8.0	100	0.00
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	0.689	0.661	4.1	100	0.00
58 TMP n-Propylbenzene	2.700	2.621	2.9	100	0.00
59 TMP Bromobenzene	0.837	0.836	0.1	100	0.00
60 TMP 1,3,5-Trimethylbenzene	1.968	2.012	-2.2	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.626	0.560	10.5	100	0.00
62 TMP 1,2,3-Trichloropropane	0.486	0.433#	10.9	100	0.00
63 TMP 2-Chlorotoluene	1.617	1.518	6.1	100	0.00
64 TMP 4-Chlorotoluene	1.912	1.811	5.3	100	0.00
65 TMP tert-Butylbenzene	1.952	2.033	-4.1	100	0.00
66 TMP 1,2,4-Trimethylbenzene	1.996	2.096	-5.0	100	0.00
67 TMP sec-Butylbenzene	2.624	2.715	-3.5	100	0.00
68 TMP p-Isopropyltoluene	2.387	2.593	-8.6	100	0.00
69 TMP 1,3-Dichlorobenzene	1.530	1.513	1.1	100	0.00
70 TMP 1,4-Dichlorobenzene	1.564	1.531	2.1	100	0.00
71 TMP 1,2-Dichlorobenzene	1.455	1.469	-1.0	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	0.108	0.110	-1.9	100	0.00
73 TMP 1,2,4-Trichlorobenzene	0.971	1.045	-7.6	100	0.00
74 TMP Hexachlorobutadiene	0.600	0.592	1.3	100	0.00
75 TMP Naphthalene	1.833	2.170	-18.4	100	0.00
76 TMP 1,2,3-Trichlorobenzene	0.846	0.944	-11.6	100	0.00

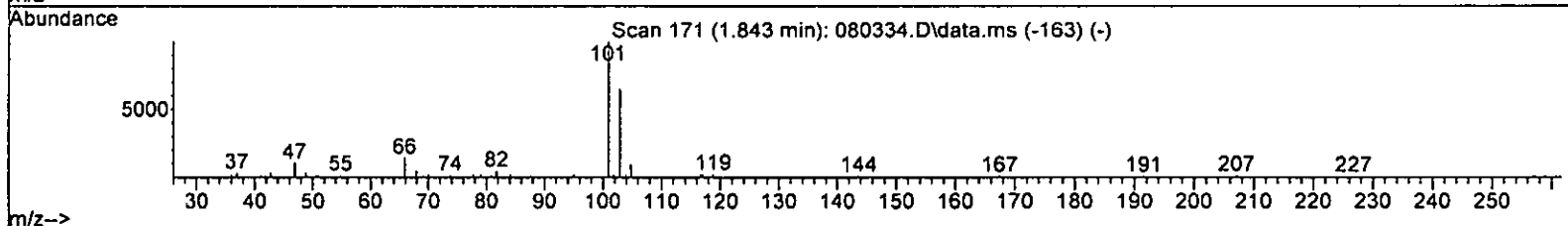
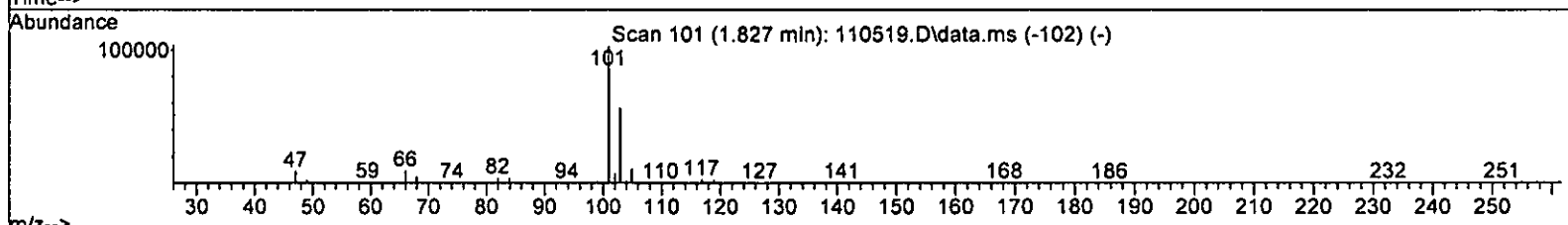
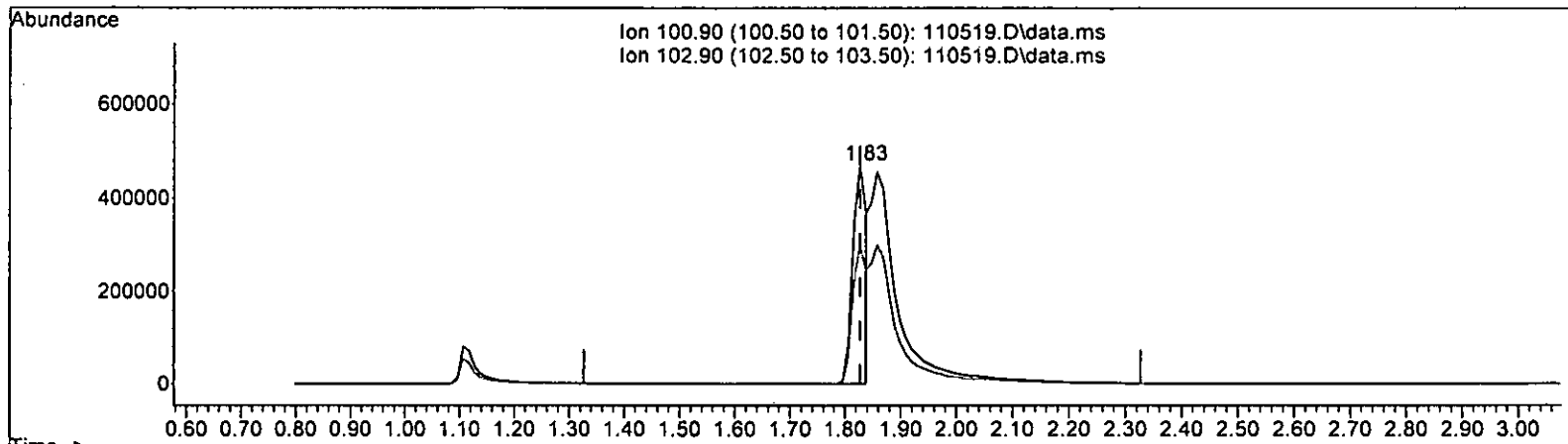
(#) = Out of Range

SPCC's out = 3 CCC's out = 0

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110519.D
 Acq On : 05 Nov 2022 04:35 pm
 Operator : VM
 Sample : 200 ppb 8260 ICAL 67-177U
 Misc : soil/water
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:35 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110519.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.827min (-0.000) 67.111 ppb

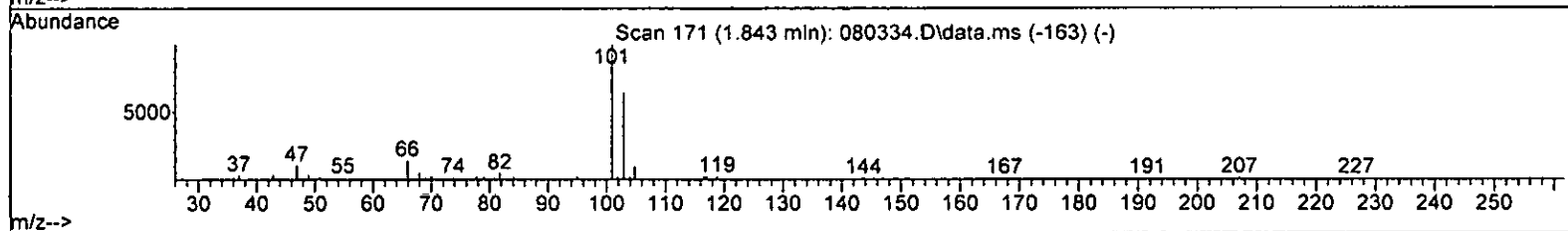
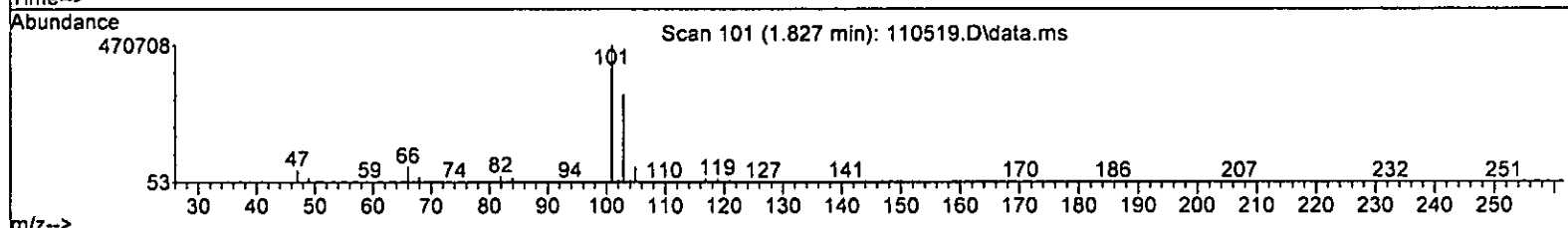
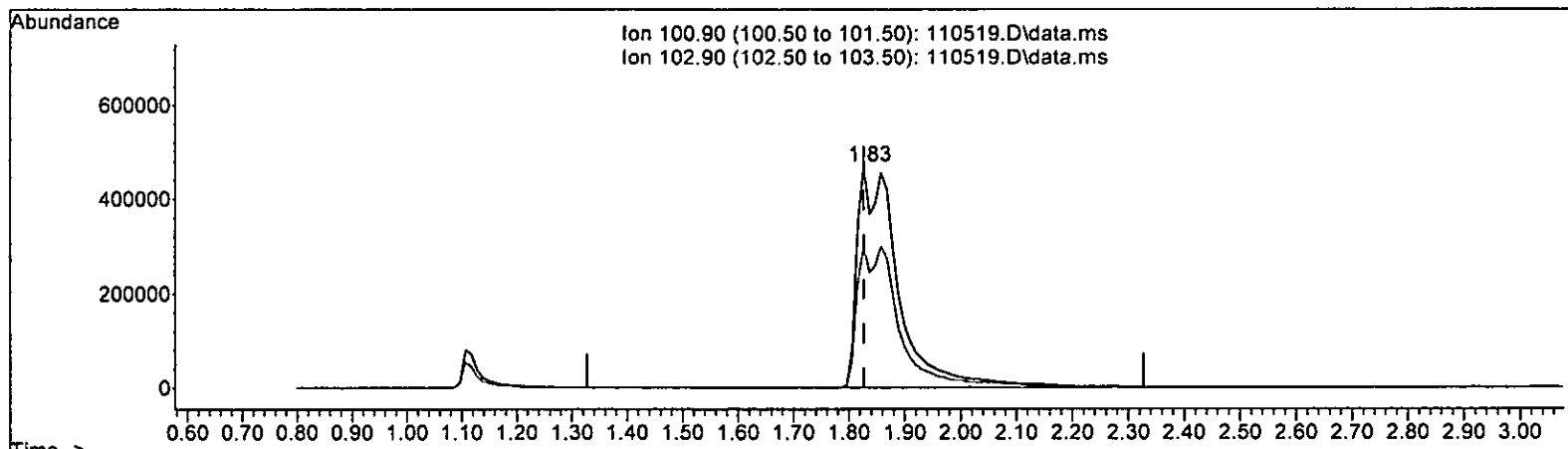
response 793121

Ion	Exp%	Act%
100.90	100.00	100.00
102.90	65.30	63.86
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110519.D
 Acq On : 05 Nov 2022 04:35 pm
 Operator : VM
 Sample : 200 ppb 8260 ICAL 67-177U
 Misc : soil/water
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:35 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110519.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.827min (-0.000) 217.013 ppb m

response 2564676

Ion	Exp%	Act%
100.90	100.00	100.00
102.90	65.30	63.87
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110519.D
 Acq On : 05 Nov 2022 04:35 pm
 Operator : VM
 Sample : 200 ppb 8260 ICAL 67-177U
 Misc : soil/water
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:35 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	4.75	96	105227	10.000	ppb	0.00
39) Chlorobenzene-d5	7.40	117	91763	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	54540	10.000	ppb	# 0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.17	113	34428	10.202	ppb	0.00
Spiked Amount	10.000	Range	50 - 150	Recovery	=	102.00%
30) 1,2-Dichloroethane-d4	4.45	102	6708	10.258	ppb	0.00
Spiked Amount	10.000	Range	84 - 120	Recovery	=	102.60%
35) Toluene-d8	6.11	98	102678	10.231	ppb	0.00
Spiked Amount	10.000	Range	73 - 128	Recovery	=	102.30%
57) 4-Bromofluorobenzene	8.51	95	35402	9.420	ppb	0.00
Spiked Amount	10.000	Range	57 - 146	Recovery	=	94.20%
Target Compounds						
						Qvalue
2) Ethanol	2.32	45	3275	No Calib		
4) Dichlorodifluoromethane	1.11	85	1824000	216.665	ppb	99
5) Chloromethane	1.25	50	1057643	205.895	ppb	95
6] Vinyl chloride	1.34	62	1025726	191.237	ppb	100
7) Bromomethane	1.58	94	886205	194.935	ppb	97
8] Chloroethane	1.64	64	494308	205.424	ppb	98
9) Trichlorofluoromethane	1.83	101	2564676m	217.013	ppb	
10] 2-Propanol	2.32	45	3275	No Calib	#	
11) Acetone	2.32	58	314218	1003.972	ppb	93
12] 1,1-Dichloroethene	2.27	96	565382	188.589	ppb	93
13) Hexane	3.16	57	725646	213.314	ppb	98
14) Methylene chloride	2.68	84	572042	200.216	ppb	96
15) t-Butyl alcohol (TBA)	2.82	59	283799	1123.683	ppb	92
16] Methyl t-butyl ether (...)	2.93	73	1451911	207.241	ppb	97
17] trans-1,2-Dichloroethene	2.91	96	630767	188.225	ppb	81
18) Diisopropyl ether (DIPE)	3.35	45	1431889	195.017	ppb	99
19] 1,1-Dichloroethane	3.27	63	949604	194.742	ppb	98
20) Ethyl t-butyl ether (E...)	3.66	87	642901	237.165	ppb	94
21) 2,2-Dichloropropane	3.76	77	618335	199.561	ppb	100
22] cis-1,2-Dichloroethene	3.77	96	667605	190.445	ppb	97
23) Chloroform	4.04	83	1128316	199.076	ppb	98
24) 2-Butanone (MEK)	3.79	43	1385193	999.839	ppb	98
25) t-Amyl methyl ether (T...)	4.61	73	1293539	227.466	ppb	94
26] 1,2-Dichloroethane (EDC)	4.53	62	831200	200.661	ppb	99
27] 1,1,1-Trichloroethane	4.19	97	1106308	218.203	ppb	98
28) 1,1-Dichloropropene	4.33	75	795751	200.176	ppb	95
29) Carbon tetrachloride	4.33	117	1126513	220.676	ppb	100
31] Benzene	4.50	78	2128648	180.887	ppb	98
32] Trichloroethene	5.05	95	728836	188.974	ppb	# 76
33) 1,2-Dichloropropane	5.24	63	497249	196.121	ppb	97
34) Bromodichloromethane	5.48	83	873574	214.733	ppb	93
36) Dibromomethane	5.35	93	442590	191.655	ppb	# 78

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110519.D
 Acq On : 05 Nov 2022 04:35 pm
 Operator : VM
 Sample : 200 ppb 8260 ICAL 67-177U
 Misc : soil/water
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS13

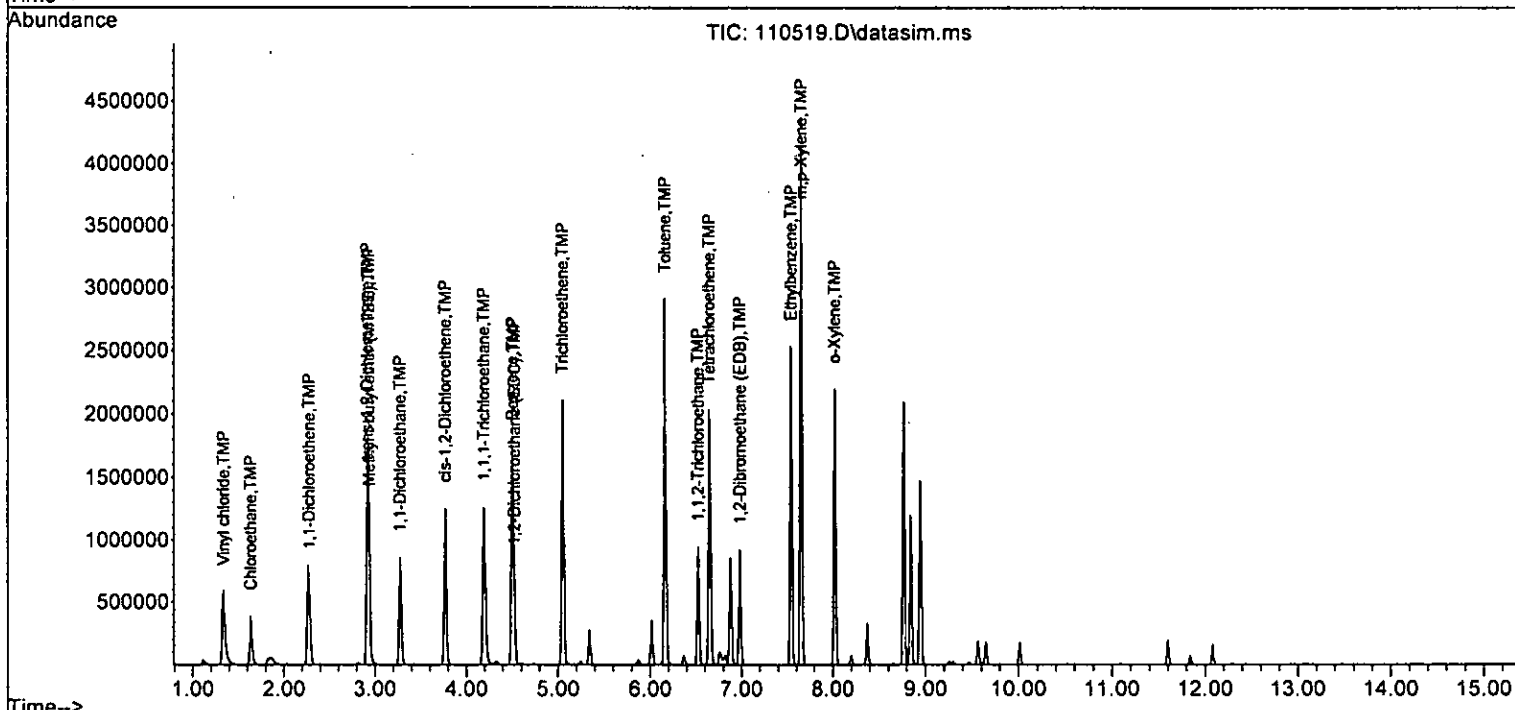
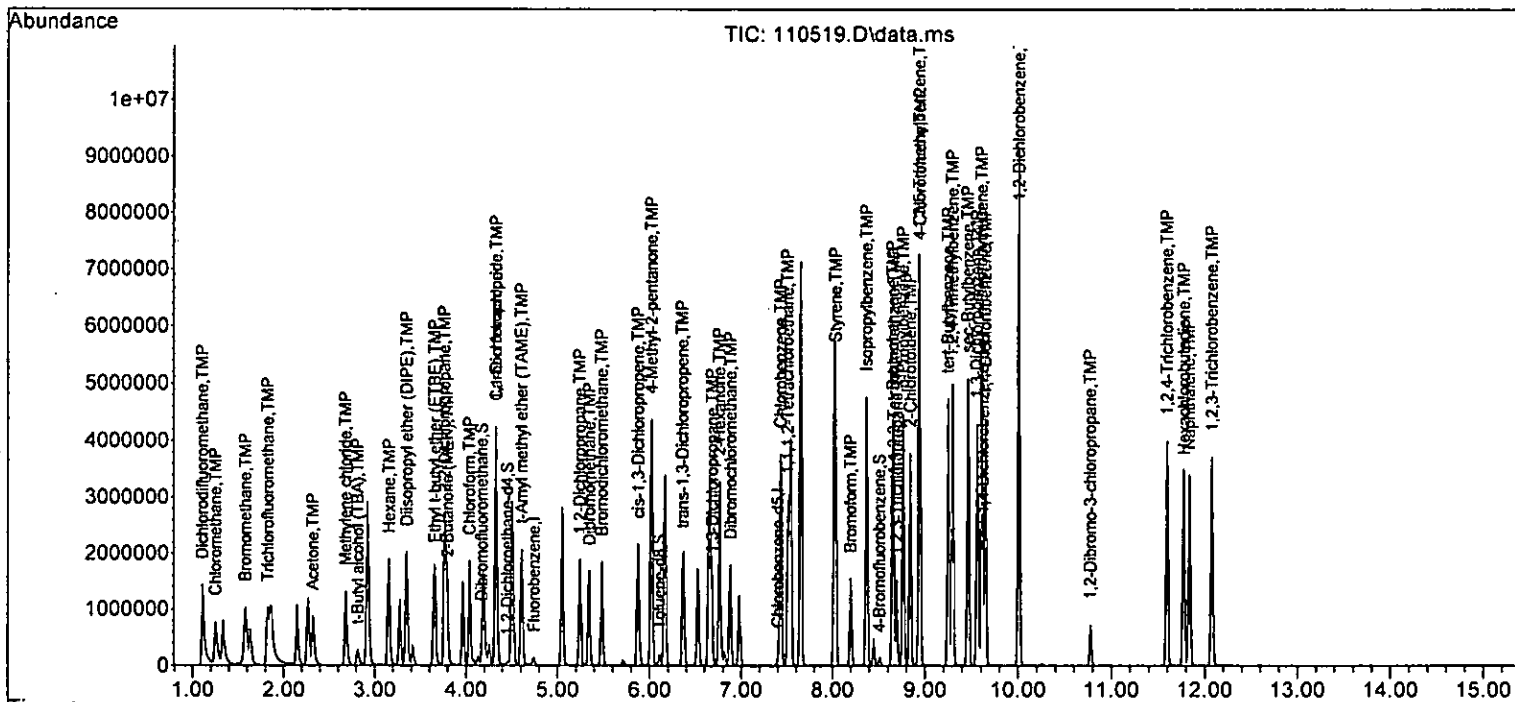
Quant Time: Nov 07 15:17:35 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	6.02	85	489946	1097.496	ppb	89
38) cis-1,3-Dichloropropene	5.88	75	902066	238.067	ppb	93
40] Toluene	6.16	92	1474185	200.169	ppb	93
41) trans-1,3-Dichloropropene	6.36	75	801572	198.879	ppb	90
42] 1,1,2-Trichloroethane	6.53	83	458701	200.192	ppb	90
43) 2-Hexanone	6.76	43	1734702	997.291	ppb	96
44) 1,3-Dichloropropane	6.68	76	776790	185.147	ppb	100
45] Tetrachloroethene	6.65	164	768364	200.175	ppb	96
46) Dibromochloromethane	6.88	129	897602	199.273	ppb	99
47] 1,2-Dibromoethane (EDB)	6.98	107	647622	196.298	ppb	98
48) Chlorobenzene	7.43	112	1871497	205.390	ppb	94
49] Ethylbenzene	7.54	91	2610526	182.724	ppb	92
50) 1,1,1,2-Tetrachloroethane	7.51	131	790558	222.870	ppb	97
51] m,p-Xylene	7.65	106	2141377	381.424	ppb	85
52] o-Xylene	8.02	106	1063136	196.124	ppb	85
53) Styrene	8.03	104	1702407	209.095	ppb	96
54) Isopropylbenzene	8.37	105	2776875	210.818	ppb	92
55) Bromoform	8.20	173	639607	233.107	ppb	98
58) n-Propylbenzene	8.77	91	2864984	194.579	ppb	86
59) Bromobenzene	8.65	156	958351	209.820	ppb #	77
60) 1,3,5-Trimethylbenzene	8.94	105	2216380	206.530	ppb	90
61) 1,1,2,2-Tetrachloroethane	8.66	83	612270	200.875	ppb	98
62) 1,2,3-Trichloropropane	8.70	75	464753	175.258	ppb	92
63) 2-Chlorotoluene	8.84	91	1648488	186.951	ppb	83
64) 4-Chlorotoluene	8.95	91	1951298	187.124	ppb	83
65) tert-Butylbenzene	9.25	119	2281827	214.344	ppb	90
66) 1,2,4-Trimethylbenzene	9.30	105	2347191	215.576	ppb	92
67) sec-Butylbenzene	9.46	105	3063699	214.091	ppb	92
68) p-Isopropyltoluene	9.61	119	2925975	224.761	ppb	95
69) 1,3-Dichlorobenzene	9.56	146	1701121	203.924	ppb	97
70) 1,4-Dichlorobenzene	9.65	146	1727324	202.499	ppb	96
71) 1,2-Dichlorobenzene	10.01	146	1654133	208.504	ppb	96
72) 1,2-Dibromo-3-chloropr...	10.77	75	130205	221.242	ppb	86
73) 1,2,4-Trichlorobenzene	11.60	180	1238341	233.950	ppb	97
74) Hexachlorobutadiene	11.78	225	703163	214.976	ppb	97
75) Naphthalene	11.83	128	2565831	198.845	ppb	99
76) 1,2,3-Trichlorobenzene	12.08	180	1109101	240.388	ppb	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110519.D
 Acq On : 05 Nov 2022 04:35 pm
 Operator : VM
 Sample : 200 ppb 8260 ICAL 67-177U
 Misc : soil/water
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:35 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110519.D
 Acq On : 05 Nov 2022 04:35 pm
 Operator : VM
 Sample : 200 ppb 8260 ICAL 67-177U
 Misc : soil/water
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:35 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2 TMP	Ethanol	-1.000	0.000	0.0	0	-0.01
3 S	Dibromofluoromethane	10.000	10.202	-2.0	100	0.00
4 TMP	Dichlorodifluoromethane	200.000	216.665	-8.3	100	-0.01
5 TMP	Chloromethane	200.000	205.895	-2.9	100	-0.01
6 TMP	Vinyl chloride	200.000	191.237	4.4	100	0.00
7 TMP	Bromomethane	200.000	194.935	2.5	100	0.00
8 TMP	Chloroethane	200.000	205.424	-2.7	100	-0.01
9 TMP	Trichlorofluoromethane	200.000	217.013	-8.5	103	0.00
10 TMP	2-Propanol	-1.000	0.000	0.0	0	-0.01
11 TMP	Acetone	1000.000	1003.972	-0.4	100	-0.01
12 TMP	1,1-Dichloroethene	200.000	188.589	5.7	100	0.00
13 TMP	Hexane	200.000	213.314	-6.7	100	0.00
14 TMP	Methylene chloride	200.000	200.216	-0.1	100	0.00
15 TMP	t-Butyl alcohol (TBA)	1000.000	1123.683	-12.4	100	0.00
16 TMP	Methyl t-butyl ether (MTBE)	200.000	207.241	-3.6	100	0.00
17 TMP	trans-1,2-Dichloroethene	200.000	188.225	5.9	100	-0.01
18 TMP	Diisopropyl ether (DIPE)	200.000	195.017	2.5	100	0.00
19 TMP	1,1-Dichloroethane	200.000	194.742	2.6	100	0.00
20 TMP	Ethyl t-butyl ether (ETBE)	200.000	237.165	-18.6	100	0.00
21 TMP	2,2-Dichloropropane	200.000	199.561	0.2	100	-0.01
22 TMP	cis-1,2-Dichloroethene	200.000	190.445	4.8	100	0.00
23 TMP	Chloroform	200.000	199.076	0.5	100	0.00
24 TMP	2-Butanone (MEK)	1000.000	999.839	0.0	100	0.00
25 TMP	t-Amyl methyl ether (TAME)	200.000	227.466	-13.7	100	0.00
26 TMP	1,2-Dichloroethane (EDC)	200.000	200.661	-0.3	100	0.00
27 TMP	1,1,1-Trichloroethane	200.000	218.203	-9.1	100	0.00
28 TMP	1,1-Dichloropropene	200.000	200.176	-0.1	100	0.00
29 TMP	Carbon tetrachloride	200.000	220.676	-10.3	100	0.00
30 S	1,2-Dichloroethane-d4	10.000	10.258	-2.6	100	0.00
31 TMP	Benzene	200.000	180.887	9.6	100	0.00
32 TMP	Trichloroethene	200.000	188.974	5.5	100	0.00
33 TMP	1,2-Dichloropropane	200.000	196.121	1.9	100	0.00
34 TMP	Bromodichloromethane	200.000	214.733	-7.4	100	0.00
35 S	Toluene-d8	10.000	10.231	-2.3	100	0.00
36 TMP	Dibromomethane	200.000	191.655	4.2	100	0.00
37 TMP	4-Methyl-2-pentanone	1000.000	1097.496	-9.7	100	0.00
38 TMP	cis-1,3-Dichloropropene	200.000	238.067	-19.0	100	0.00
39 I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40 TMP	Toluene	200.000	200.169	-0.1	100	0.00
41 TMP	trans-1,3-Dichloropropene	200.000	198.879	0.6	100	0.00
42 TMP	1,1,2-Trichloroethane	200.000	200.192	-0.1	100	0.00
43 TMP	2-Hexanone	1000.000	997.291	0.3	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110519.D
 Acq On : 05 Nov 2022 04:35 pm
 Operator : VM
 Sample : 200 ppb 8260 ICAL 67-177U
 Misc : soil/water
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:35 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	200.000	185.147	7.4	100	0.00
45 TMP Tetrachloroethene	200.000	200.175	-0.1	100	0.00
46 TMP Dibromochloromethane	200.000	199.273	0.4	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	200.000	196.298	1.9	100	0.00
48 TMP Chlorobenzene	200.000	205.390	-2.7	100	0.00
49 TMP Ethylbenzene	200.000	182.724	8.6	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	200.000	222.870	-11.4	100	0.00
51 TMP m,p-Xylene	400.000	381.424	4.6	100	0.00
52 TMP o-Xylene	200.000	196.124	1.9	100	0.00
53 TMP Styrene	200.000	209.095	-4.5	100	0.00
54 TMP Isopropylbenzene	200.000	210.818	-5.4	100	0.00
55 TMP Bromoform	200.000	233.107	-16.6	100	0.00
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	10.000	9.420	5.8	100	0.00
58 TMP n-Propylbenzene	200.000	194.579	2.7	100	0.00
59 TMP Bromobenzene	200.000	209.820	-4.9	100	0.00
60 TMP 1,3,5-Trimethylbenzene	200.000	206.530	-3.3	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	200.000	200.875	-0.4	100	0.00
62 TMP 1,2,3-Trichloropropane	200.000	175.258	12.4	100	0.00
63 TMP 2-Chlorotoluene	200.000	186.951	6.5	100	0.00
64 TMP 4-Chlorotoluene	200.000	187.124	6.4	100	0.00
65 TMP tert-Butylbenzene	200.000	214.344	-7.2	100	0.00
66 TMP 1,2,4-Trimethylbenzene	200.000	215.576	-7.8	100	0.00
67 TMP sec-Butylbenzene	200.000	214.091	-7.0	100	0.00
68 TMP p-Isopropyltoluene	200.000	224.761	-12.4	100	0.00
69 TMP 1,3-Dichlorobenzene	200.000	203.924	-2.0	100	0.00
70 TMP 1,4-Dichlorobenzene	200.000	202.499	-1.2	100	0.00
71 TMP 1,2-Dichlorobenzene	200.000	208.504	-4.3	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	200.000	221.242	-10.6	100	0.00
73 TMP 1,2,4-Trichlorobenzene	200.000	233.950	-17.0	100	0.00
74 TMP Hexachlorobutadiene	200.000	214.976	-7.5	100	0.00
75 TMP Naphthalene	200.000	198.845	0.6	100	0.00
76 TMP 1,2,3-Trichlorobenzene	200.000	240.388	-20.2#	100	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110519.D
 Acq On : 05 Nov 2022 04:35 pm
 Operator : VM
 Sample : 200 ppb 8260 ICAL 67-177U
 Misc : soil/water
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:35 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2 TMP	Ethanol	0.000	0.000#	0.0	0#	-0.01
3 S	Dibromofluoromethane	0.321	0.327	-1.9	100	0.00
4 TMP	Dichlorodifluoromethane	0.800	0.867	-8.4	100	-0.01
5 TMP	Chloromethane	0.488	0.503	-3.1	100	-0.01
6 TMP	Vinyl chloride	0.510	0.487	4.5	100	0.00
7 TMP	Bromomethane	0.432	0.421	2.5	100	0.00
8 TMP	Chloroethane	0.229	0.235	-2.6	100	-0.01
9 TMP	Trichlorofluoromethane	1.123	1.219	-8.5	103	0.00
10 TMP	2-Propanol	0.000	0.000	0.0	0#	-0.01
11 TMP	Acetone	0.029	0.030	-3.4	100	-0.01
12 TMP	1,1-Dichloroethene	0.285	0.269	5.6	100	0.00
13 TMP	Hexane	0.323	0.345	-6.8	100	0.00
14 TMP	Methylene chloride	0.289	0.272	5.9	100	0.00
15 TMP	t-Butyl alcohol (TBA)	0.024	0.027#	-12.5	100	0.00
16 TMP	Methyl t-butyl ether (MTBE)	0.666	0.690	-3.6	100	0.00
17 TMP	trans-1,2-Dichloroethene	0.318	0.300	5.7	100	-0.01
18 TMP	Diisopropyl ether (DIPE)	0.698	0.680	2.6	100	0.00
19 TMP	1,1-Dichloroethane	0.463	0.451	2.6	100	0.00
20 TMP	Ethyl t-butyl ether (ETBE)	0.258	0.305	-18.2	100	0.00
21 TMP	2,2-Dichloropropane	0.258	0.294	-14.0	100	-0.01
22 TMP	cis-1,2-Dichloroethene	0.333	0.317	4.8	100	0.00
23 TMP	Chloroform	0.539	0.536	0.6	100	0.00
24 TMP	2-Butanone (MEK)	0.132	0.132	0.0	100	0.00
25 TMP	t-Amyl methyl ether (TAME)	0.540	0.615	-13.9	100	0.00
26 TMP	1,2-Dichloroethane (EDC)	0.465	0.395	15.1	100	0.00
27 TMP	1,1,1-Trichloroethane	0.482	0.526	-9.1	100	0.00
28 TMP	1,1-Dichloropropene	0.370	0.378	-2.2	100	0.00
29 TMP	Carbon tetrachloride	0.485	0.535	-10.3	100	0.00
30 S	1,2-Dichloroethane-d4	0.062	0.064	-3.2	100	0.00
31 TMP	Benzene	1.118	1.011	9.6	100	0.00
32 TMP	Trichloroethene	0.367	0.346	5.7	100	0.00
33 TMP	1,2-Dichloropropane	0.241	0.236	2.1	100	0.00
34 TMP	Bromodichloromethane	0.387	0.415	-7.2	100	0.00
35 S	Toluene-d8	0.954	0.976	-2.3	100	0.00
36 TMP	Dibromomethane	0.219	0.210	4.1	100	0.00
37 TMP	4-Methyl-2-pentanone	0.042	0.047	-11.9	100	0.00
38 TMP	cis-1,3-Dichloropropene	0.360	0.429	-19.2	100	0.00
39 I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40 TMP	Toluene	0.907	0.803	11.5	100	0.00
41 TMP	trans-1,3-Dichloropropene	0.366	0.437	-19.4	100	0.00
42 TMP	1,1,2-Trichloroethane	0.285	0.250	12.3	100	0.00
43 TMP	2-Hexanone	0.190	0.189	0.5	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110519.D
 Acq On : 05 Nov 2022 04:35 pm
 Operator : VM
 Sample : 200 ppb 8260 ICAL 67-177U
 Misc : soil/water
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:35 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.457	0.423	7.4	100	0.00
45 TMP Tetrachloroethene	0.460	0.419	8.9	100	0.00
46 TMP Dibromochloromethane	0.451	0.489	-8.4	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	0.360	0.353	1.9	100	0.00
48 TMP Chlorobenzene	0.993	1.020	-2.7	100	0.00
49 TMP Ethylbenzene	1.557	1.422	8.7	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.387	0.431	-11.4	100	0.00
51 TMP m,p-Xylene	0.612	0.583	4.7	100	0.00
52 TMP o-Xylene	0.591	0.579	2.0	100	0.00
53 TMP Styrene	0.887	0.928	-4.6	100	0.00
54 TMP Isopropylbenzene	1.435	1.513	-5.4	100	0.00
55 TMP Bromoform	0.299	0.349	-16.7	100	0.00
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	0.689	0.649	5.8	100	0.00
58 TMP n-Propylbenzene	2.700	2.626	2.7	100	0.00
59 TMP Bromobenzene	0.837	0.879	-5.0	100	0.00
60 TMP 1,3,5-Trimethylbenzene	1.968	2.032	-3.3	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.626	0.561	10.4	100	0.00
62 TMP 1,2,3-Trichloropropane	0.486	0.426#	12.3	100	0.00
63 TMP 2-Chlorotoluene	1.617	1.511	6.6	100	0.00
64 TMP 4-Chlorotoluene	1.912	1.789	6.4	100	0.00
65 TMP tert-Butylbenzene	1.952	2.092	-7.2	100	0.00
66 TMP 1,2,4-Trimethylbenzene	1.996	2.152	-7.8	100	0.00
67 TMP sec-Butylbenzene	2.624	2.809	-7.1	100	0.00
68 TMP p-Isopropyltoluene	2.387	2.682	-12.4	100	0.00
69 TMP 1,3-Dichlorobenzene	1.530	1.560	-2.0	100	0.00
70 TMP 1,4-Dichlorobenzene	1.564	1.584	-1.3	100	0.00
71 TMP 1,2-Dichlorobenzene	1.455	1.516	-4.2	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	0.108	0.119	-10.2	100	0.00
73 TMP 1,2,4-Trichlorobenzene	0.971	1.135	-16.9	100	0.00
74 TMP Hexachlorobutadiene	0.600	0.645	-7.5	100	0.00
75 TMP Naphthalene	1.833	2.352	-28.3#	100	0.00
76 TMP 1,2,3-Trichlorobenzene	0.846	1.017	-20.2#	100	0.00

(#) = Out of Range

SPCC's out = 3 CCC's out = 0

Data Path : D:\Proc_GCMS13\11-07-22\
 Data File : 110706.D
 Acq On : 07 Nov 2022 10:34 am
 Operator : LM
 Sample : 10 ppb 8260 SCV 67-155
 Misc : soil/water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:49:10 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	4.73	96	107809	10.000	ppb	-0.01
39) Chlorobenzene-d5	7.40	117	88712	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	52143	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.17	113	35026	10.131	ppb	0.00
Spiked Amount	10.000	Range 50 - 150	Recovery	= 101.30%		
30) 1,2-Dichloroethane-d4	4.45	102	6899	10.297	ppb	0.00
Spiked Amount	10.000	Range 84 - 120	Recovery	= 103.00%		
35) Toluene-d8	6.11	98	104241	10.138	ppb	0.00
Spiked Amount	10.000	Range 73 - 128	Recovery	= 101.40%		
57) 4-Bromofluorobenzene	8.51	95	35177	9.791	ppb	0.00
Spiked Amount	10.000	Range 57 - 146	Recovery	= 97.90%		
Target Compounds						
						Qvalue
2) Ethanol	2.32	45	404	No Calib		
4) Dichlorodifluoromethane	1.11	85	69459	8.053	ppb	97
5) Chloromethane	1.25	50	49461	9.398	ppb	96
6] Vinyl chloride	1.34	62	50437	9.178	ppb	98
7) Bromomethane	1.57	94	48907	10.500	ppb	93
8] Chloroethane	1.65	64	24020	9.743	ppb	95
9) Trichlorofluoromethane	1.83	101	126435	10.442	ppb	95
10) 2-Propanol	2.32	45	404	No Calib #		
11) Acetone	2.32	58	18598	65.558	ppb	89
12] 1,1-Dichloroethene	2.26	96	32255	10.501	ppb	83
13) Hexane	3.16	57	37617	10.793	ppb	96
14) Methylene chloride	2.68	84	35346	11.050	ppb	95
15) t-Butyl alcohol (TBA)	2.82	59	14861	57.432	ppb	97
16] Methyl t-butyl ether (...)	2.92	73	79509	11.077	ppb	96
17] trans-1,2-Dichloroethene	2.91	96	34006	9.905	ppb	83
18) Diisopropyl ether (DIPE)	3.34	45	73609	9.785	ppb	98
19] 1,1-Dichloroethane	3.27	63	51794	10.367	ppb	96
20) Ethyl t-butyl ether (E...)	3.65	87	31003	11.163	ppb	95
21) 2,2-Dichloropropane	3.76	77	30099	11.573	ppb	94
22] cis-1,2-Dichloroethene	3.77	96	34784	9.685	ppb	96
23) Chloroform	4.04	83	57168	9.845	ppb	97
24) 2-Butanone (MEK)	3.78	43	85005	62.847	ppb	97
25) t-Amyl methyl ether (T...)	4.61	73	66102	11.346	ppb	93
26] 1,2-Dichloroethane (EDC)	4.52	62	45561	10.401	ppb	93
27] 1,1,1-Trichloroethane	4.19	97	56350	10.848	ppb	96
28) 1,1-Dichloropropene	4.32	75	40674	10.438	ppb	98
29) Carbon tetrachloride	4.32	117	52239	9.988	ppb	99
31] Benzene	4.50	78	115853	9.609	ppb	99
32] Trichloroethene	5.04	95	37065	9.380	ppb	95
33) 1,2-Dichloropropane	5.24	63	26126	10.058	ppb	97
34) Bromodichloromethane	5.48	83	41239	9.894	ppb	90
36) Dibromomethane	5.34	93	22396	9.466	ppb	87

Data Path : D:\Proc_GCMS13\11-07-22\
 Data File : 110706.D
 Acq On : 07 Nov 2022 10:34 am
 Operator : LM
 Sample : 10 ppb 8260 SCV 67-155
 Misc : soil/water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

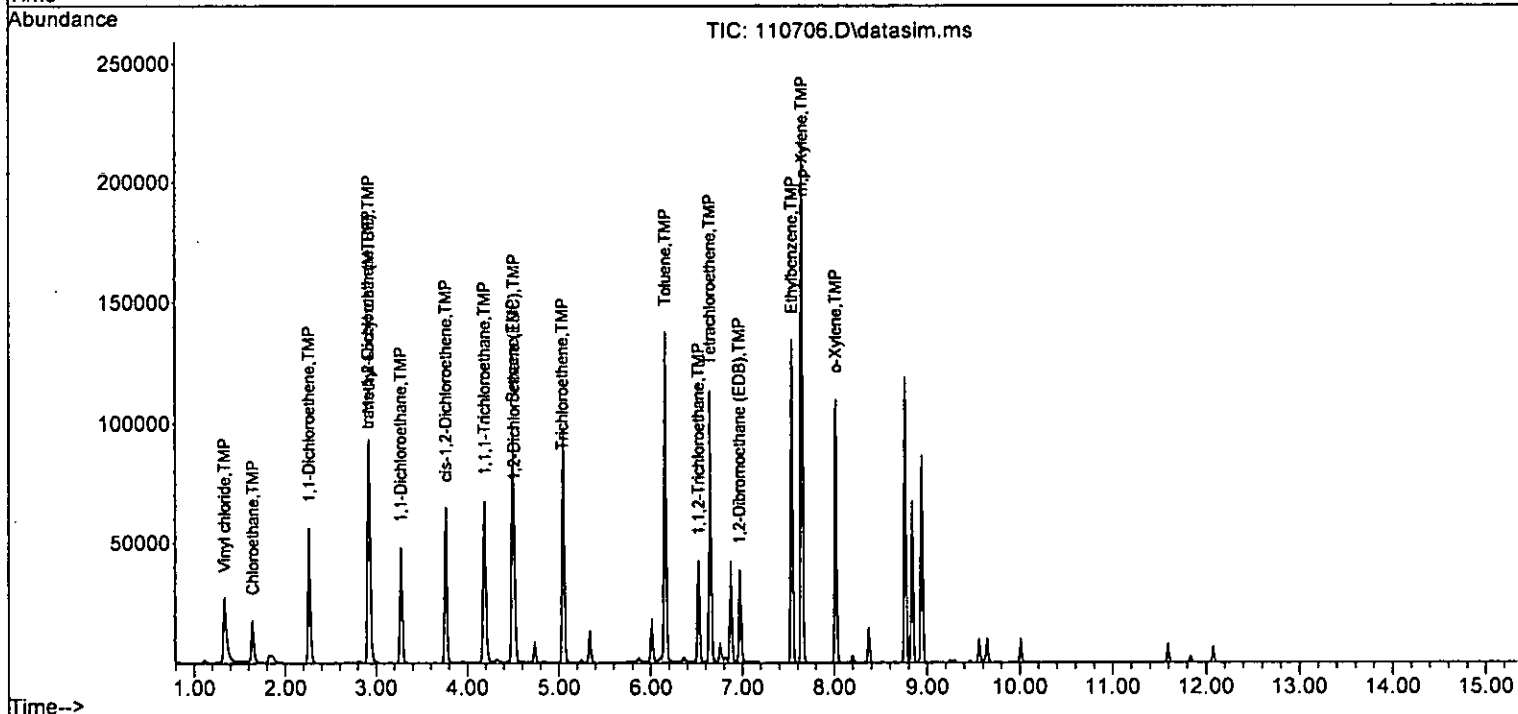
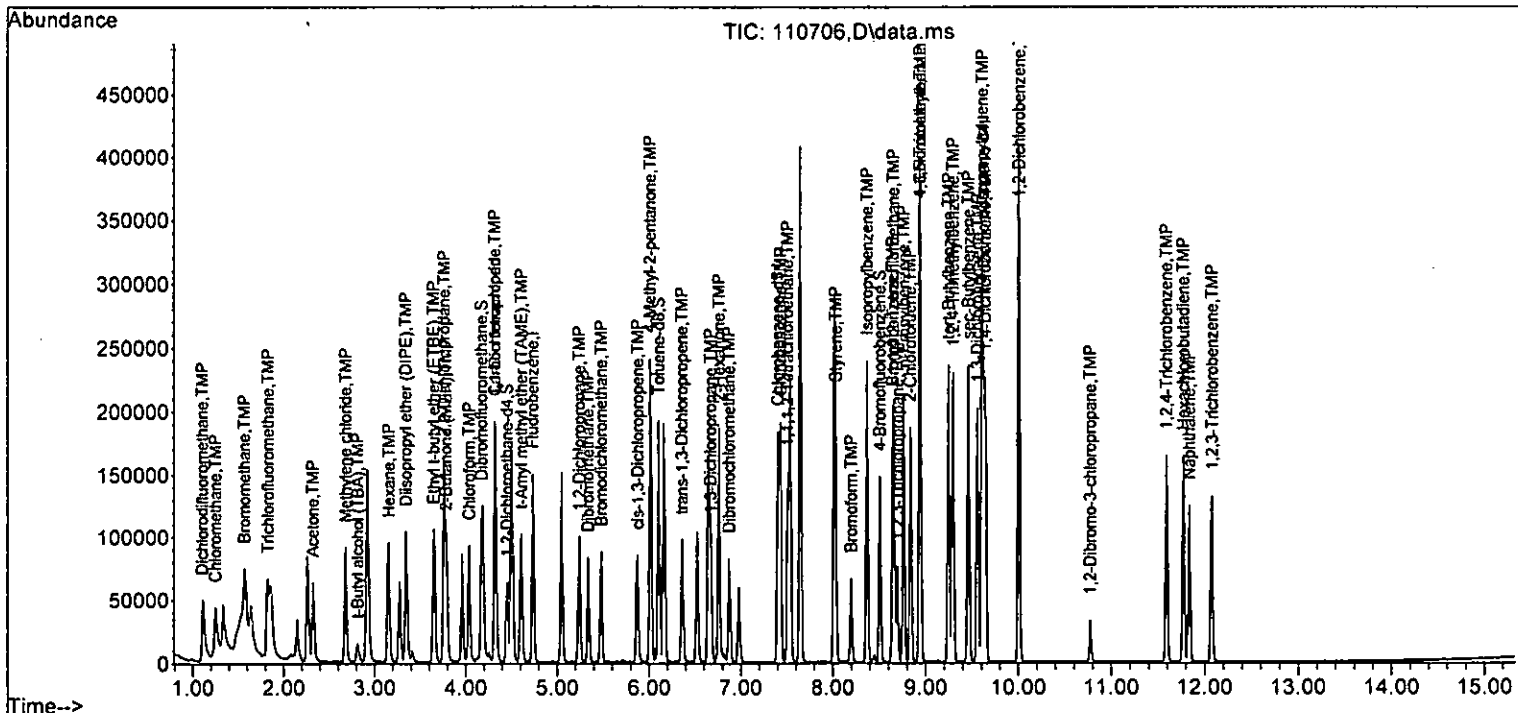
Quant Time: Nov 07 15:49:10 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	6.01	85	24794	54.209	ppb	92
38) cis-1,3-Dichloropropene	5.88	75	41041	10.572	ppb	92
40] Toluene	6.16	92	73801	10.379	ppb	94
41) trans-1,3-Dichloropropene	6.36	75	35738	11.416	ppb	91
42] 1,1,2-Trichloroethane	6.53	83	23480	10.230	ppb	84
43) 2-Hexanone	6.76	43	107316	63.819	ppb	97
44) 1,3-Dichloropropane	6.67	76	39527	9.745	ppb	99
45] Tetrachloroethene	6.65	164	37989	10.841	ppb	93
46) Dibromochloromethane	6.87	129	39620	10.380	ppb	98
47] 1,2-Dibromoethane (EDB)	6.97	107	32152	10.081	ppb	92
48) Chlorobenzene	7.43	112	88017	9.992	ppb	95
49] Ethylbenzene	7.54	91	138053	9.995	ppb	91
50) 1,1,1,2-Tetrachloroethane	7.51	131	34581	10.084	ppb	95
51] m,p-Xylene	7.65	106	109130	20.107	ppb	85
52] o-Xylene	8.02	106	53561	10.221	ppb	84
53) Styrene	8.03	104	80834	10.270	ppb	97
54) Isopropylbenzene	8.37	105	130719	10.265	ppb	95
55) Bromoform	8.20	173	25888	9.759	ppb	98
58) n-Propylbenzene	8.77	91	147169	10.455	ppb	90
59) Bromobenzene	8.65	156	44091	10.097	ppb	86
60) 1,3,5-Trimethylbenzene	8.94	105	108127	10.539	ppb	92
61) 1,1,2,2-Tetrachloroethane	8.65	83	34157	11.235	ppb	97
62) 1,2,3-Trichloropropane	8.70	75	25355	10.001	ppb	94
63) 2-Chlorotoluene	8.84	91	86164	10.221	ppb	92
64) 4-Chlorotoluene	8.94	91	102138	10.245	ppb	96
65) tert-Butylbenzene	9.25	119	102868	10.107	ppb	93
66) 1,2,4-Trimethylbenzene	9.30	105	111968	10.756	ppb	94
67) sec-Butylbenzene	9.46	105	140170	10.245	ppb	93
68) p-Isopropyltoluene	9.61	119	131454	10.562	ppb	95
69) 1,3-Dichlorobenzene	9.56	146	79493	9.967	ppb	97
70) 1,4-Dichlorobenzene	9.64	146	81416	9.983	ppb	98
71) 1,2-Dichlorobenzene	10.01	146	76374	10.070	ppb	96
72) 1,2-Dibromo-3-chloropr...	10.77	75	5936	10.550	ppb	91
73) 1,2,4-Trichlorobenzene	11.59	180	47850	9.456	ppb	93
74) Hexachlorobutadiene	11.77	225	29539	9.446	ppb	98
75) Naphthalene	11.83	128	87948	9.094	ppb	98
76) 1,2,3-Trichlorobenzene	12.08	180	39153	8.876	ppb	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS13\11-07-22\
 Data File : 110706.D
 Acq On : 07 Nov 2022 10:34 am
 Operator : LM
 Sample : 10 ppb 8260 SCV 67-155
 Misc : soil/water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:49:10 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-07-22\
 Data File : 110706.D
 Acq On : 07 Nov 2022 10:34 am
 Operator : LM
 Sample : 10 ppb 8260 SCV 67-155
 Misc : soil/water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:49:10 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I Fluorobenzene	10.000	10.000	0.0	103	-0.01
2 TMP Ethanol	-1.000	0.000	0.0	0	-0.01
3 S Dibromofluoromethane	10.000	10.131	-1.3	105	0.00
4 TMP Dichlorodifluoromethane	10.000	8.053	19.5	84	-0.01
5 TMP Chloromethane	10.000	9.398	6.0	94	-0.01
6 TMP Vinyl chloride	10.000	9.178	8.2	97	0.00
7 TMP Bromomethane	10.000	10.500	-5.0	96	-0.01
8 TMP Chloroethane	10.000	9.743	2.6	97	0.00
9 TMP Trichlorofluoromethane	10.000	10.442	-4.4	111	0.00
10 TMP 2-Propanol	-1.000	0.000	0.0	0	-0.01
11 TMP Acetone	50.000	65.558	-31.1#	124	-0.01
12 TMP 1,1-Dichloroethene	10.000	10.501	-5.0	110	-0.01
13 TMP Hexane	10.000	10.793	-7.9	110	0.00
14 TMP Methylene chloride	10.000	11.050	-10.5	112	0.00
15 TMP t-Butyl alcohol (TBA)	50.000	57.432	-14.9	117	0.00
16 TMP Methyl t-butyl ether (MTBE)	10.000	11.077	-10.8	113	-0.01
17 TMP trans-1,2-Dichloroethene	10.000	9.905	1.0	104	-0.01
18 TMP Diisopropyl ether (DIPE)	10.000	9.785	2.1	105	-0.01
19 TMP 1,1-Dichloroethane	10.000	10.367	-3.7	105	0.00
20 TMP Ethyl t-butyl ether (ETBE)	10.000	11.163	-11.6	120	-0.01
21 TMP 2,2-Dichloropropane	10.000	11.573	-15.7	127	-0.01
22 TMP cis-1,2-Dichloroethene	10.000	9.685	3.1	99	0.00
23 TMP Chloroform	10.000	9.845	1.5	103	0.00
24 TMP 2-Butanone (MEK)	50.000	62.847	-25.7#	124	-0.01
25 TMP t-Amyl methyl ether (TAME)	10.000	11.346	-13.5	118	0.00
26 TMP 1,2-Dichloroethane (EDC)	10.000	10.401	-4.0	103	-0.01
27 TMP 1,1,1-Trichloroethane	10.000	10.848	-8.5	114	0.00
28 TMP 1,1-Dichloropropene	10.000	10.438	-4.4	106	-0.01
29 TMP Carbon tetrachloride	10.000	9.988	0.1	107	-0.01
30 S 1,2-Dichloroethane-d4	10.000	10.297	-3.0	101	0.00
31 TMP Benzene	10.000	9.609	3.9	101	0.00
32 TMP Trichloroethene	10.000	9.380	6.2	100	-0.01
33 TMP 1,2-Dichloropropane	10.000	10.058	-0.6	106	0.00
34 TMP Bromodichloromethane	10.000	9.894	1.1	100	0.00
35 S Toluene-d8	10.000	10.138	-1.4	103	0.00
36 TMP Dibromomethane	10.000	9.466	5.3	99	-0.01
37 TMP 4-Methyl-2-pentanone	50.000	54.209	-8.4	110	-0.01
38 TMP cis-1,3-Dichloropropene	10.000	10.572	-5.7	119	0.00
39 I Chlorobenzene-d5	10.000	10.000	0.0	102	0.00
40 TMP Toluene	10.000	10.379	-3.8	102	0.00
41 TMP trans-1,3-Dichloropropene	10.000	11.416	-14.2	124	0.00
42 TMP 1,1,2-Trichloroethane	10.000	10.230	-2.3	101	0.00
43 TMP 2-Hexanone	50.000	63.819	-27.6#	129	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-07-22\
 Data File : 110706.D
 Acq On : 07 Nov 2022 10:34 am
 Operator : LM
 Sample : 10 ppb 8260 SCV 67-155
 Misc : soil/water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:49:10 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	10.000	9.745	2.6	99	-0.01
45 TMP Tetrachloroethene	10.000	10.841	-8.4	106	0.00
46 TMP Dibromochloromethane	10.000	10.380	-3.8	108	-0.01
47 TMP 1,2-Dibromoethane (EDB)	10.000	10.081	-0.8	105	-0.01
48 TMP Chlorobenzene	10.000	9.992	0.1	105	0.00
49 TMP Ethylbenzene	10.000	9.995	0.1	104	0.00
50 TMP 1,1,1,2-Tetrachloroethane	10.000	10.084	-0.8	108	0.00
51 TMP m,p-Xylene	20.000	20.107	-0.5	105	0.00
52 TMP o-Xylene	10.000	10.221	-2.2	107	0.00
53 TMP Styrene	10.000	10.270	-2.7	104	0.00
54 TMP Isopropylbenzene	10.000	10.265	-2.7	104	0.00
55 TMP Bromoform	10.000	9.759	2.4	103	0.00
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	102	0.00
57 S 4-Bromofluorobenzene	10.000	9.791	2.1	100	0.00
58 TMP n-Propylbenzene	10.000	10.455	-4.6	103	0.00
59 TMP Bromobenzene	10.000	10.097	-1.0	104	0.00
60 TMP 1,3,5-Trimethylbenzene	10.000	10.539	-5.4	107	0.00
61 TMP 1,1,2,2-Tetrachloroethane	10.000	11.235	-12.3	107	0.00
62 TMP 1,2,3-Trichloropropane	10.000	10.001	-0.0	104	0.00
63 TMP 2-Chlorotoluene	10.000	10.221	-2.2	102	0.00
64 TMP 4-Chlorotoluene	10.000	10.245	-2.4	105	0.00
65 TMP tert-Butylbenzene	10.000	10.107	-1.1	106	0.00
66 TMP 1,2,4-Trimethylbenzene	10.000	10.756	-7.6	109	0.00
67 TMP sec-Butylbenzene	10.000	10.245	-2.4	104	0.00
68 TMP p-Isopropyltoluene	10.000	10.562	-5.6	108	0.00
69 TMP 1,3-Dichlorobenzene	10.000	9.967	0.3	103	0.00
70 TMP 1,4-Dichlorobenzene	10.000	9.983	0.2	104	0.00
71 TMP 1,2-Dichlorobenzene	10.000	10.070	-0.7	102	0.00
72 TMP 1,2-Dibromo-3-chloropropane	10.000	10.550	-5.5	111	0.00
73 TMP 1,2,4-Trichlorobenzene	10.000	9.456	5.4	102	0.00
74 TMP Hexachlorobutadiene	10.000	9.446	5.5	100	0.00
75 TMP Naphthalene	10.000	9.094	9.1	100	0.00
76 TMP 1,2,3-Trichlorobenzene	10.000	8.876	11.2	95	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-07-22\
 Data File : 110706.D
 Acq On : 07 Nov 2022 10:34 am
 Operator : LM
 Sample : 10 ppb 8260 SCV 67-155
 Misc : soil/water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:49:10 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I Fluorobenzene	1.000	1.000	0.0	103	-0.01
2 TMP Ethanol	0.000	0.000#	0.0	0#	-0.01
3 S Dibromofluoromethane	0.321	0.325	-1.2	105	0.00
4 TMP Dichlorodifluoromethane	0.800	0.644	19.5	84	-0.01
5 TMP Chloromethane	0.488	0.459	5.9	94	-0.01
6 TMP Vinyl chloride	0.510	0.468	8.2	97	0.00
7 TMP Bromomethane	0.432	0.454	-5.1	96	-0.01
8 TMP Chloroethane	0.229	0.223	2.6	97	0.00
9 TMP Trichlorofluoromethane	1.123	1.173	-4.5	111	0.00
10 TMP 2-Propanol	0.000	0.000	0.0	0#	-0.01
11 TMP Acetone	0.029	0.035	-20.7#	124	-0.01
12 TMP 1,1-Dichloroethene	0.285	0.299	-4.9	110	-0.01
13 TMP Hexane	0.323	0.349	-8.0	110	0.00
14 TMP Methylene chloride	0.289	0.328	-13.5	112	0.00
15 TMP t-Butyl alcohol (TBA)	0.024	0.028#	-16.7	117	0.00
16 TMP Methyl t-butyl ether (MTBE)	0.666	0.737	-10.7	113	-0.01
17 TMP trans-1,2-Dichloroethene	0.318	0.315	0.9	104	-0.01
18 TMP Diisopropyl ether (DIPE)	0.698	0.683	2.1	105	-0.01
19 TMP 1,1-Dichloroethane	0.463	0.480	-3.7	105	0.00
20 TMP Ethyl t-butyl ether (ETBE)	0.258	0.288	-11.6	120	-0.01
21 TMP 2,2-Dichloropropane	0.258	0.279	-8.1	127	-0.01
22 TMP cis-1,2-Dichloroethene	0.333	0.323	3.0	99	0.00
23 TMP Chloroform	0.539	0.530	1.7	103	0.00
24 TMP 2-Butanone (MEK)	0.132	0.158	-19.7	124	-0.01
25 TMP t-Amyl methyl ether (TAME)	0.540	0.613	-13.5	118	0.00
26 TMP 1,2-Dichloroethane (EDC)	0.465	0.423	9.0	103	-0.01
27 TMP 1,1,1-Trichloroethane	0.482	0.523	-8.5	114	0.00
28 TMP 1,1-Dichloropropene	0.370	0.377	-1.9	106	-0.01
29 TMP Carbon tetrachloride	0.485	0.485	0.0	107	-0.01
30 S 1,2-Dichloroethane-d4	0.062	0.064	-3.2	101	0.00
31 TMP Benzene	1.118	1.075	3.8	101	0.00
32 TMP Trichloroethene	0.367	0.344	6.3	100	-0.01
33 TMP 1,2-Dichloropropane	0.241	0.242	-0.4	106	0.00
34 TMP Bromodichloromethane	0.387	0.383	1.0	100	0.00
35 S Toluene-d8	0.954	0.967	-1.4	103	0.00
36 TMP Dibromomethane	0.219	0.208	5.0	99	-0.01
37 TMP 4-Methyl-2-pentanone	0.042	0.046	-9.5	110	-0.01
38 TMP cis-1,3-Dichloropropene	0.360	0.381	-5.8	119	0.00
39 I Chlorobenzene-d5	1.000	1.000	0.0	102	0.00
40 TMP Toluene	0.907	0.832	8.3	102	0.00
41 TMP trans-1,3-Dichloropropene	0.366	0.403	-10.1	124	0.00
42 TMP 1,1,2-Trichloroethane	0.285	0.265	7.0	101	0.00
43 TMP 2-Hexanone	0.190	0.242	-27.4#	129	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-07-22\
 Data File : 110706.D
 Acq On : 07 Nov 2022 10:34 am
 Operator : LM
 Sample : 10 ppb 8260 SCV 67-155
 Misc : soil/water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:49:10 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.457	0.446	2.4	99	-0.01
45 TMP Tetrachloroethene	0.460	0.428	7.0	106	0.00
46 TMP Dibromochloromethane	0.451	0.447	0.9	108	-0.01
47 TMP 1,2-Dibromoethane (EDB)	0.360	0.362	-0.6	105	-0.01
48 TMP Chlorobenzene	0.993	0.992	0.1	105	0.00
49 TMP Ethylbenzene	1.557	1.556	0.1	104	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.387	0.390	-0.8	108	0.00
51 TMP m,p-Xylene	0.612	0.615	-0.5	105	0.00
52 TMP o-Xylene	0.591	0.604	-2.2	107	0.00
53 TMP Styrene	0.887	0.911	-2.7	104	0.00
54 TMP Isopropylbenzene	1.435	1.474	-2.7	104	0.00
55 TMP Bromoform	0.299	0.292	2.3	103	0.00
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	102	0.00
57 S 4-Bromofluorobenzene	0.689	0.675	2.0	100	0.00
58 TMP n-Propylbenzene	2.700	2.822	-4.5	103	0.00
59 TMP Bromobenzene	0.837	0.846	-1.1	104	0.00
60 TMP 1,3,5-Trimethylbenzene	1.968	2.074	-5.4	107	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.626	0.655	-4.6	107	0.00
62 TMP 1,2,3-Trichloropropane	0.486	0.486#	0.0	104	0.00
63 TMP 2-Chlorotoluene	1.617	1.652	-2.2	102	0.00
64 TMP 4-Chlorotoluene	1.912	1.959	-2.5	105	0.00
65 TMP tert-Butylbenzene	1.952	1.973	-1.1	106	0.00
66 TMP 1,2,4-Trimethylbenzene	1.996	2.147	-7.6	109	0.00
67 TMP sec-Butylbenzene	2.624	2.688	-2.4	104	0.00
68 TMP p-Isopropyltoluene	2.387	2.521	-5.6	108	0.00
69 TMP 1,3-Dichlorobenzene	1.530	1.525	0.3	103	0.00
70 TMP 1,4-Dichlorobenzene	1.564	1.561	0.2	104	0.00
71 TMP 1,2-Dichlorobenzene	1.455	1.465	-0.7	102	0.00
72 TMP 1,2-Dibromo-3-chloropropane	0.108	0.114	-5.6	111	0.00
73 TMP 1,2,4-Trichlorobenzene	0.971	0.918	5.5	102	0.00
74 TMP Hexachlorobutadiene	0.600	0.566	5.7	100	0.00
75 TMP Naphthalene	1.833	1.687	8.0	100	0.00
76 TMP 1,2,3-Trichlorobenzene	0.846	0.751	11.2	95	0.00

(#) = Out of Range

SPCC's out = 3 CCC's out = 0

Response Factor Report GCMS11

Method Path : D:\Methods\Inst11\
 Method File : VB110322ms11.M
 Title : 8260 Purge & Trap Volatiles Dual Acquisition
 Last Update : Mon Nov 07 14:08:49 2022
 Response Via : Initial Calibration

Calibration Files

0.02=110320.D 0.04=110321.D 0.1 =110322.D 0.2 =110323.D 0.5 =110324.D 1 =110325.D 2 =110326.D 5 =110327.D 10 =110328.D 20 =110329.D 50 =110330.D 100 =110331.D 150 =110332.D 200 =110333.D

Compound	0.02	0.04	0.1	0.2	0.5	1	2	5	10	20	50	100	150	200	Avg	%RSD
-----ISTD-----																
1) I Fluorobenzene															0.000#	-1.00
2) TMP Ethanol																
3) S Dibromofluorom...	0.274	0.283	0.289	0.273	0.298	0.286	0.297	0.288	0.279	0.292	0.286	0.285	0.266	0.270	0.283	3.44
4) TMP Dichlorodifluo...					0.684	0.731	0.777	0.788	0.792	0.812	0.833	0.806	0.701	0.790	0.771	6.41
5) TMP Chloromethane					1.009	1.048	1.045	0.932	0.901	0.916	0.931	0.904	0.790	0.893	0.937	8.41
6) TMP Vinyl chloride	0.911	0.946	0.779	0.775	0.863	0.884	0.826	0.813	0.835	0.858	0.864	0.831	0.733	0.815	0.838	6.68
7) TMP Bromomethane							0.514	0.499	0.481	0.534	0.508	0.483	0.427	0.477	0.490	6.53
8) TMP Chloroethane				0.410	0.437	0.452	0.439	0.430	0.423	0.432	0.432	0.408	0.361	0.400	0.420	5.93
9) TMP Trichlorofluor...				0.926	0.940	0.964	0.923	0.912	0.895	0.933	0.928	0.883	0.790	0.921	0.910	4.99
10) TMP 2-Propanol															0.000	-1.00
11) TMP Acetone					0.049	0.044	0.047	0.045	0.045	0.046	0.051	0.046	0.041	0.046	0.046	5.91
12) TMP 1,1-Dichloroet...	0.312	0.287	0.242	0.249	0.267	0.272	0.260	0.263	0.257	0.262	0.270	0.250	0.226	0.252	0.262	7.81
13) TMP Hexane					0.394	0.406	0.438	0.415	0.408	0.401	0.431	0.410	0.375	0.403	0.408	4.35
14) TMP Methylene chlo...								0.404	0.328	0.319	0.300	0.276	0.247	0.275	0.307	16.64
15) TMP t-Butyl alcoho...					0.033	0.036	0.033	0.033	0.033	0.035	0.037	0.033	0.031	0.036	0.034	5.26
16) TMP Methyl t-butyl...	0.624	0.684	0.638	0.691	0.750	0.748	0.726	0.707	0.720	0.741	0.748	0.687	0.617	0.691	0.698	6.53
17) TMP trans-1,2-Dich...		0.384	0.299	0.303	0.312	0.303	0.293	0.281	0.291	0.294	0.295	0.277	0.247	0.274	0.296	10.54
18) TMP Diisopropyl et...				0.860	0.895	0.892	0.852	0.838	0.927	0.858	0.887	0.829	0.743	0.897	0.862	5.68
19) TMP 1,1-Dichloroet...	0.542	0.587	0.487	0.519	0.552	0.561	0.538	0.521	0.538	0.541	0.541	0.502	0.446	0.495	0.527	6.67
20) TMP Ethyl t-butyl ...				0.314	0.245	0.307	0.292	0.296	0.285	0.303	0.308	0.288	0.258	0.295	0.290	7.34
21) TMP 2,2-Dichloropr...				0.323	0.416	0.397	0.378	0.358	0.341	0.352	0.344	0.363	0.296	0.353	0.356	9.25
22) TMP cis-1,2-Dichlo...		0.393	0.305	0.315	0.323	0.329	0.313	0.305	0.316	0.320	0.319	0.299	0.266	0.297	0.316	8.92
23) TMP Chloroform					0.624	0.563	0.535	0.483	0.475	0.480	0.487	0.451	0.408	0.458	0.496	12.46
24) TMP 2-Butanone (MEK)				0.225	0.175	0.172	0.151	0.153	0.174	0.168	0.172	0.160	0.152	0.173	0.170	12.06
25) TMP t-Amyl methyl ...				0.704	0.681	0.703	0.672	0.673	0.662	0.683	0.714	0.661	0.588	0.659	0.673	5.04
26) TMP 1,2-Dichloroet...			0.434	0.413	0.387	0.421	0.374	0.368	0.368	0.363	0.367	0.341	0.313	0.348	0.375	9.26
27) TMP 1,1,1-Trichlor...		0.460	0.396	0.414	0.443	0.457	0.440	0.429	0.427	0.441	0.447	0.417	0.375	0.418	0.428	5.66
28) TMP 1,1-Dichloropr...				0.358	0.335	0.355	0.368	0.342	0.343	0.341	0.355	0.344	0.316	0.355	0.346	4.01
29) TMP Carbon tetrach...				0.419	0.369	0.368	0.383	0.371	0.370	0.369	0.383	0.361	0.329	0.372	0.372	5.69
30) S 1,2-Dichloroet...	0.063	0.065	0.062	0.064	0.064	0.065	0.065	0.062	0.064	0.066	0.066	0.058	0.058	0.059	0.063	4.23
31) TMP Benzene		1.643	1.000	1.052	1.040	1.126	1.040	1.047	1.049	1.039	1.058	0.987	0.912	1.014	1.078	16.40
32) TMP Trichloroethene	0.435	0.389	0.293	0.304	0.289	0.310	0.293	0.297	0.298	0.293	0.303	0.286	0.267	0.298	0.311	14.40
33) TMP 1,2-Dichloropr...				0.277	0.266	0.289	0.272	0.278	0.272	0.265	0.264	0.248	0.235	0.264	0.266	5.53
34) TMP Bromodichlorom...				0.327	0.332	0.345	0.315	0.307	0.317	0.308	0.323	0.309	0.295	0.332	0.319	4.51
35) S Toluene-d8	0.882	0.877	0.864	0.891	0.840	0.878	0.864	0.922	0.915	0.888	0.896	0.895	0.915	0.900	0.888	2.53
36) TMP Dibromomethane				0.181	0.167	0.161	0.155	0.162	0.166	0.162	0.168	0.154	0.146	0.162	0.162	5.58
37) TMP 4-Methyl-2-pen...				0.050	0.045	0.044	0.041	0.047	0.045	0.045	0.048	0.044	0.042	0.048	0.045	5.79
38) TMP cis-1,3-Dichlo...				0.468	0.348	0.362	0.347	0.348	0.345	0.341	0.359	0.339	0.348	0.393	0.364	10.36
-----ISTD-----																
39) I Chlorobenzene-d5																
40) TMP Toluene	1.258	0.830	0.878	0.852	0.903	0.835	0.834	0.850	0.833	0.856	0.791	0.749	0.826	0.869	14.13	
41) TMP trans-1,3-Dich...				0.483	0.387	0.412	0.384	0.388	0.412	0.401	0.405	0.370	0.389	0.428	0.405	7.51
42) TMP 1,1,2-Trichlor...	0.408	0.248	0.266	0.252	0.271	0.247	0.252	0.254	0.245	0.248	0.224	0.219	0.240	0.260	17.98	
43) TMP 2-Hexanone				0.286	0.274	0.300	0.290	0.279	0.287	0.273	0.267	0.226	0.223	0.242	0.268	9.81
44) TMP 1,3-Dichloropr...				0.436	0.463	0.468	0.426	0.447	0.446	0.425	0.432	0.379	0.384	0.422	0.430	6.56
45) TMP Tetrachloroethene	0.797	0.480	0.430	0.390	0.399	0.365	0.362	0.361	0.350	0.357	0.332	0.315	0.339	0.406	30.91	
46) TMP Dibromochlorom...				0.440	0.324	0.362	0.324	0.332	0.340	0.335	0.349	0.323	0.311	0.346	0.344	10.10
47) TMP 1,2-Dibromoeth...	0.461	0.308	0.337	0.306	0.329	0.302	0.308	0.315	0.300	0.305	0.273	0.277	0.298	0.317	14.72	
48) TMP Chlorobenzene				0.997	0.890	1.015	0.919	0.922	0.930	0.909	0.923	0.861	0.842	0.934	0.922	5.51
49) TMP Ethylbenzene	2.081	1.978	1.494	1.589	1.556	1.627	1.539	1.540	1.557	1.556	1.589	1.465	1.379	1.518	1.605	11.89
50) TMP 1,1,1,2-Tetrac...				0.339	0.372	0.392	0.351	0.343	0.348	0.353	0.378	0.355	0.321	0.360	0.356	5.46
51) TMP m,p-Xylene	0.809	0.777	0.587	0.606	0.601	0.628	0.595	0.598	0.611	0.610	0.623	0.576	0.545	0.601	0.626	11.79
52) TMP o-Xylene	0.763	0.732	0.573	0.598	0.607	0.632	0.598	0.594	0.604	0.614	0.635	0.598	0.551	0.612	0.622	9.24
53) TMP Styrene				0.912	0.869	0.922	0.887	0.864	0.919	0.925	0.955	0.890	0.867	0.965	0.907	3.83
54) TMP Isopropylbenzene				1.589	1.501	1.603	1.488	1.512	1.550	1.594	1.672	1.586	1.451	1.624	1.561	4.25
55) TMP Bromoform				0.309	0.259	0.261	0.243	0.260	0.246	0.249	0.261	0.240	0.236	0.270	0.258	7.77
-----ISTD-----																
56) I 1,4-Dichlorobenzen...																
57) S 4-Bromofluorob...	0.776	0.756	0.766	0.776	0.730	0.758	0.735	0.740	0.745	0.739	0.737	0.726	0.745	0.741	0.748	2.13
58) TMP n-Propylbenzene				3.178	2.957	3.045	2.905	3.034	3.131	3.049	3.156	2.950	2.813	3.083	3.027	3.70
59) TMP Bromobenzene				0.739	0.815	0.792	0.732	0.748	0.752	0.716	0.737	0.683	0.677	0.753	0.740	5.50
60) TMP 1,3,5-Trimethy...				2.255	1.979	2.230	2.183	2.215	2.253	2.241	2.384	2.254	2.118	2.349	2.224	4.87
61) TMP 1,1,2,2-Tetrac...				0.820	0.739	0.719	0.757	0.719	0.716	0.712	0.730	0.659	0.625	0.692	0.717	7.00
62) TMP 1,2,3-Trichlor...				0.758	0.576	0.582	0.536	0.533	0.548	0.536	0.536	0.474	0.455	0.508	0.549	14.39
63) TMP 2-Chlorotoluene				1.979	1.871	1.966	1.784	1.808	1.848	1.795	1.874	1.729	1.640	1.814	1.828	5.33
64) TMP 4-Chlorotoluene				1.957	1.835	2.067	1.974	2.014	2.126	2.029	2.087	1.926	1.857	2.067	1.994	4.73
65) TMP tert-Butylbenzene				1.922	1.643	1.952	1.803	1.907	1.964	1.936	2.135	2.072	1.959	2.186	1.953	7.66
66) TMP 1,2,4-Trimethy...				2.200	2.134	2.243	2.110	2.174	2.250	2.279	2.436	2.305	2.186	2.429	2.250	4.79
67) TMP sec-Butylbenzene				2.753	2.494	2.820	2.731	2.853	2.975	2.926	3.170	3.034	2.871	3.178	2.892	6.90
68) TMP p-Isopropyltol...				2.332	2.249	2.437	2.406	2.437	2.490	2.537	2.749	2.647	2.488	2.747	2.502	6.37
69) TMP 1,3-Dichlorobe...				1.568	1.466	1.551	1.407	1.417	1.451	1.399	1.434	1.353	1.287	1.440	1.434	5.56
70) TMP 1,4-Dichlorobe...				1.495	1.375	1.635	1.441	1.435	1.421	1.397	1.428	1.367	1.283	1.453	1.430	6.13
71) TMP 1,2-Dichlorobe...				1.529	1.534	1.440	1.474	1.390	1.422	1.408	1.452	1.372	1.263	1.429	1.428	5.26
72) TMP 1,2-Dibromo-3-...					0.154	0.156	0.143	0.141	0.140	0.149	0.143	0.130	0.130			

Compound List Report GCMS11

Method Path : D:\Methods\Inst11\
 Method File : VB110322ms11.M
 Title : 8260 Purge & Trap Volatiles Dual Acquisition
 Last Update : Mon Nov 07 14:08:49 2022
 Response Via : Initial Calibration

Total Cpnds : 76

PK#	Compound Name	QIon	Exp_RT	Rel_RT	Cal	#Qual	A/H	ID
1	I Fluorobenzene	96	4.63	1.000	A	1	A	B
2	T Ethanol	45	1.86	0.402	A	1	A	B
3	S Dibromofluoromethane	113	4.07	0.879	A	0	A	B
4	T Dichlorodifluoromethane	85	1.09	0.234	A	1	A	B
5	T Chloromethane	50	1.22	0.263	A	1	A	B
6	T Vinyl chloride	-62	1.29	0.279	A	1	A	B
7	T Bromomethane	94	1.52	0.329	A	1	A	B
8	T Chloroethane	-64	1.59	0.343	A	1	A	B
9	T Trichlorofluoromethane	101	1.77	0.382	A	1	A	B
10	T 2-Propanol	45	2.43	0.526	A	1	A	B
11	T Acetone	58	2.25	0.487	A	1	A	B
12	T 1,1-Dichloroethene	-96	2.19	0.472	A	2	A	B
13	T Hexane	57	3.05	0.659	A	2	A	B
14	T Methylene chloride	84	2.60	0.562	Q	2	A	B
15	T t-Butyl alcohol (TBA)	59	2.72	0.589	A	1	A	B
16	T Methyl t-butyl ether (MTBE)	-73	2.83	0.611	A	1	A	B
17	T trans-1,2-Dichloroethene	-96	2.82	0.610	A	2	A	B
18	T Diisopropyl ether (DIPE)	45	3.23	0.699	A	3	A	B
19	T 1,1-Dichloroethane	-63	3.17	0.686	A	2	A	B
20	T Ethyl t-butyl ether (ETBE)	87	3.54	0.765	A	3	A	B
21	T 2,2-Dichloropropane	77	3.66	0.791	A	1	A	B
22	T cis-1,2-Dichloroethene	-96	3.66	0.791	A	2	A	B
23	T Chloroform	83	3.94	0.851	A	1	A	B
24	T 2-Butanone (MEK)	43	3.70	0.799	A	2	A	B
25	T t-Amyl methyl ether (TAME)	73	4.49	0.970	A	2	A	B
26	T 1,2-Dichloroethane (EDC)	-62	4.41	0.953	A	1	A	B
27	T 1,1,1-Trichloroethane	-97	4.08	0.882	A	2	A	B
28	T 1,1-Dichloropropene	75	4.22	0.911	A	2	A	B
29	T Carbon tetrachloride	117	4.21	0.909	A	1	A	B
30	S 1,2-Dichloroethane-d4	102	4.35	0.939	A	1	A	B
31	T Benzene	-78	4.38	0.948	Q	1	A	B
32	T Trichloroethene	-95	4.93	1.065	A	3	A	B
33	T 1,2-Dichloropropane	63	5.13	1.108	A	1	A	B
34	T Bromodichloromethane	83	5.37	1.159	A	2	A	B
35	S Toluene-d8	98	5.98	1.293	A	1	A	B
36	T Dibromomethane	93	5.23	1.131	A	2	A	B
37	T 4-Methyl-2-pentanone	85	5.91	1.276	A	2	A	B
38	T cis-1,3-Dichloropropene	75	5.75	1.243	A	2	A	B
39	I Chlorobenzene-d5	117	7.27	1.000	A	1	A	B
40	T Toluene	-92	6.03	0.829	A	1	A	B
41	T trans-1,3-Dichloropropene	75	6.25	0.859	A	2	A	B
42	T 1,1,2-Trichloroethane	-83	6.40	0.881	Q	2	A	B
43	T 2-Hexanone	43	6.64	0.913	A	3	A	B
44	T 1,3-Dichloropropane	76	6.55	0.901	A	1	A	B
45	T Tetrachloroethene	-164	6.51	0.896	Q	3	A	B
46	T Dibromochloromethane	129	6.75	0.929	A	1	A	B
47	T 1,2-Dibromoethane (EDB)	-107	6.85	0.943	A	2	A	B
48	T Chlorobenzene	112	7.29	1.003	A	2	A	B
49	T Ethylbenzene	-91	7.40	1.018	A	1	A	B
50	T 1,1,1,2-Tetrachloroethane	131	7.38	1.015	A	2	A	B
51	T m,p-Xylene	-106	7.51	1.033	A	1	A	B
52	T o-Xylene	-106	7.88	1.083	A	1	A	B
53	T Styrene	104	7.90	1.086	A	1	A	B
54	T Isopropylbenzene	105	8.23	1.131	A	1	A	B
55	T Bromoform	173	8.07	1.110	A	2	A	B

56	I	1,4-Dichlorobenzene-d4	152	9.48	1.000	A	2	A	B
57	S	4-Bromofluorobenzene	95	8.38	0.884	A	2	A	B
58	T	n-Propylbenzene	91	8.62	0.909	A	1	A	B
59	T	Bromobenzene	156	8.51	0.898	A	2	A	B
60	T	1,3,5-Trimethylbenzene	105	8.79	0.927	A	1	A	B
61	T	1,1,2,2-Tetrachloroethane	83	8.53	0.900	A	2	A	B
62	T	1,2,3-Trichloropropane	75	8.56	0.903	A	3	A	R
63	T	2-Chlorotoluene	91	8.70	0.917	A	1	A	B
64	T	4-Chlorotoluene	91	8.80	0.928	A	1	A	B
65	T	tert-Butylbenzene	119	9.10	0.960	A	2	A	B
66	T	1,2,4-Trimethylbenzene	105	9.15	0.966	A	1	A	B
67	T	sec-Butylbenzene	105	9.31	0.983	A	1	A	B
68	T	p-Isopropyltoluene	119	9.46	0.998	A	2	A	B
69	T	1,3-Dichlorobenzene	146	9.42	0.993	A	2	A	B
70	T	1,4-Dichlorobenzene	146	9.50	1.002	A	2	A	B
71	T	1,2-Dichlorobenzene	146	9.86	1.041	A	2	A	B
72	T	1,2-Dibromo-3-chloropropane	75	10.63	1.121	A	2	A	B
73	T	1,2,4-Trichlorobenzene	180	11.44	1.207	A	2	A	B
74	T	Hexachlorobutadiene	225	11.61	1.225	A	2	A	B
75	T	Naphthalene	128	11.68	1.232	A	2	A	B
76	T	1,2,3-Trichlorobenzene	180	11.92	1.257	A	2	A	B

Cal A = Average L = Linear LO = Linear w/origin Q = Quad QO = Quad w/origin

#Qual = number of qualifiers

A/H = Area or Height

ID R = R.T. B = R.T. & Q Q = Qvalue L = Largest A = All

VB110322ms11.M Mon Nov 07 14:30:50 2022

Calibration Status Report GCMS11

Method Path : D:\Methods\Inst11\
 Method File : VB110322ms11.M
 Title : 8260 Purge & Trap Volatiles Dual Acquisition
 Last Update : Mon Nov 07 14:08:49 2022
 Response Via : Initial Calibration

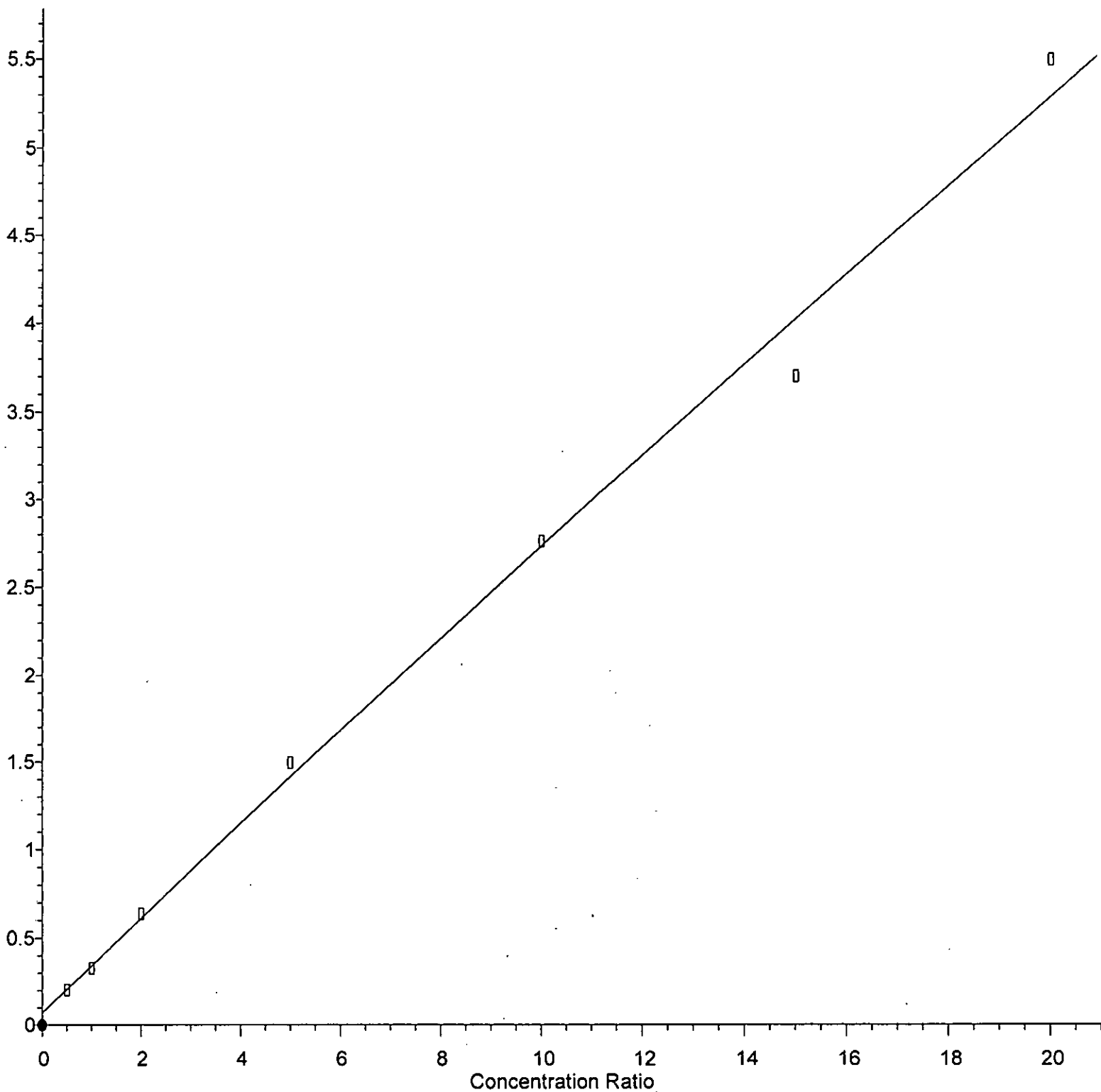
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1	0.02	0	10	D:\Proc_GCMS11\11-03-22\110320.D
2	0.04	0	10	D:\Proc_GCMS11\11-03-22\110321.D
3	0.1	0	10	D:\Proc_GCMS11\11-03-22\110322.D
4	0.2	0	10	D:\Proc_GCMS11\11-03-22\110323.D
5	0.5	1	10	D:\Proc_GCMS11\11-03-22\110324.D
6	1	1	10	D:\Proc_GCMS11\11-03-22\110325.D
7	2	2	10	D:\Proc_GCMS11\11-03-22\110326.D
8	5	5	10	D:\Proc_GCMS11\11-03-22\110327.D
9	10	10	10	D:\Proc_GCMS11\11-03-22\110328.D
10	20	20	10	D:\Proc_GCMS11\11-03-22\110329.D
11	50	50	10	D:\Proc_GCMS11\11-03-22\110330.D
12	100	100	10	D:\Proc_GCMS11\11-03-22\110331.D
13	150	150	10	D:\Proc_GCMS11\11-03-22\110332.D
14	200	200	10	D:\Proc_GCMS11\11-03-22\110333.D

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1	0.02	Nov 07 11:18 2022	Nov 07 10:59 2022	03 Nov 2022 02:10 pm
2	0.04	Nov 07 11:18 2022	Nov 07 11:00 2022	03 Nov 2022 02:32 pm
3	0.1	Nov 07 11:18 2022	Nov 07 11:01 2022	03 Nov 2022 02:54 pm
4	0.2	Nov 07 11:18 2022	Nov 07 11:05 2022	03 Nov 2022 03:17 pm
5	0.5	Nov 07 11:18 2022	Nov 07 11:08 2022	03 Nov 2022 03:39 pm
6	1	Nov 07 11:18 2022	Nov 07 11:10 2022	03 Nov 2022 04:01 pm
7	2	Nov 07 11:18 2022	Nov 07 11:11 2022	03 Nov 2022 04:24 pm
8	5	Nov 07 11:18 2022	Nov 07 11:12 2022	03 Nov 2022 04:46 pm
9	10	Nov 07 11:18 2022	Nov 07 11:13 2022	03 Nov 2022 05:09 pm
10	20	Nov 07 11:18 2022	Nov 07 11:17 2022	03 Nov 2022 05:31 pm
11	50	Nov 07 11:18 2022	Nov 07 11:17 2022	03 Nov 2022 05:54 pm
12	100	Nov 07 11:18 2022	Nov 07 11:17 2022	03 Nov 2022 06:16 pm
13	150	Nov 07 11:18 2022	Nov 07 11:17 2022	03 Nov 2022 06:38 pm
14	200	Nov 07 11:18 2022	Nov 07 11:17 2022	03 Nov 2022 07:01 pm

VB110322ms11.M Mon Nov 07 14:30:56 2022

Methylene chloride

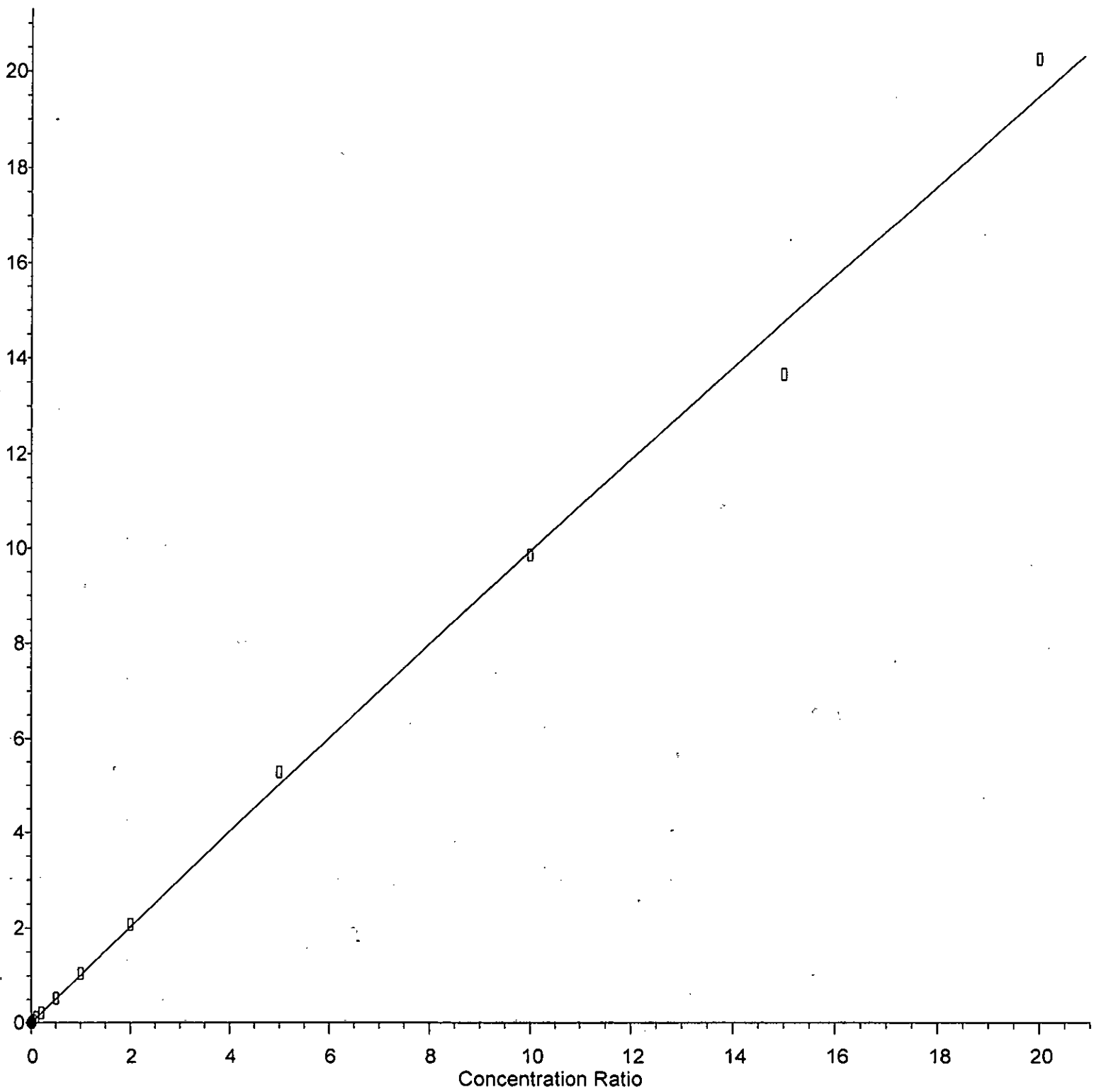
Response Ratio



$R = -5.354e-004 A^2 + 2.721e-001 A + 6.996e-002$
Coef of Det (r^2) = 0.996111 Curve Fit: Quadratic w(1/a)
Method Name: D:\Methods\Inst11\VB110322ms11.M
Calibration Table Last Updated: Mon Nov 07 14:08:49 2022

Benzene

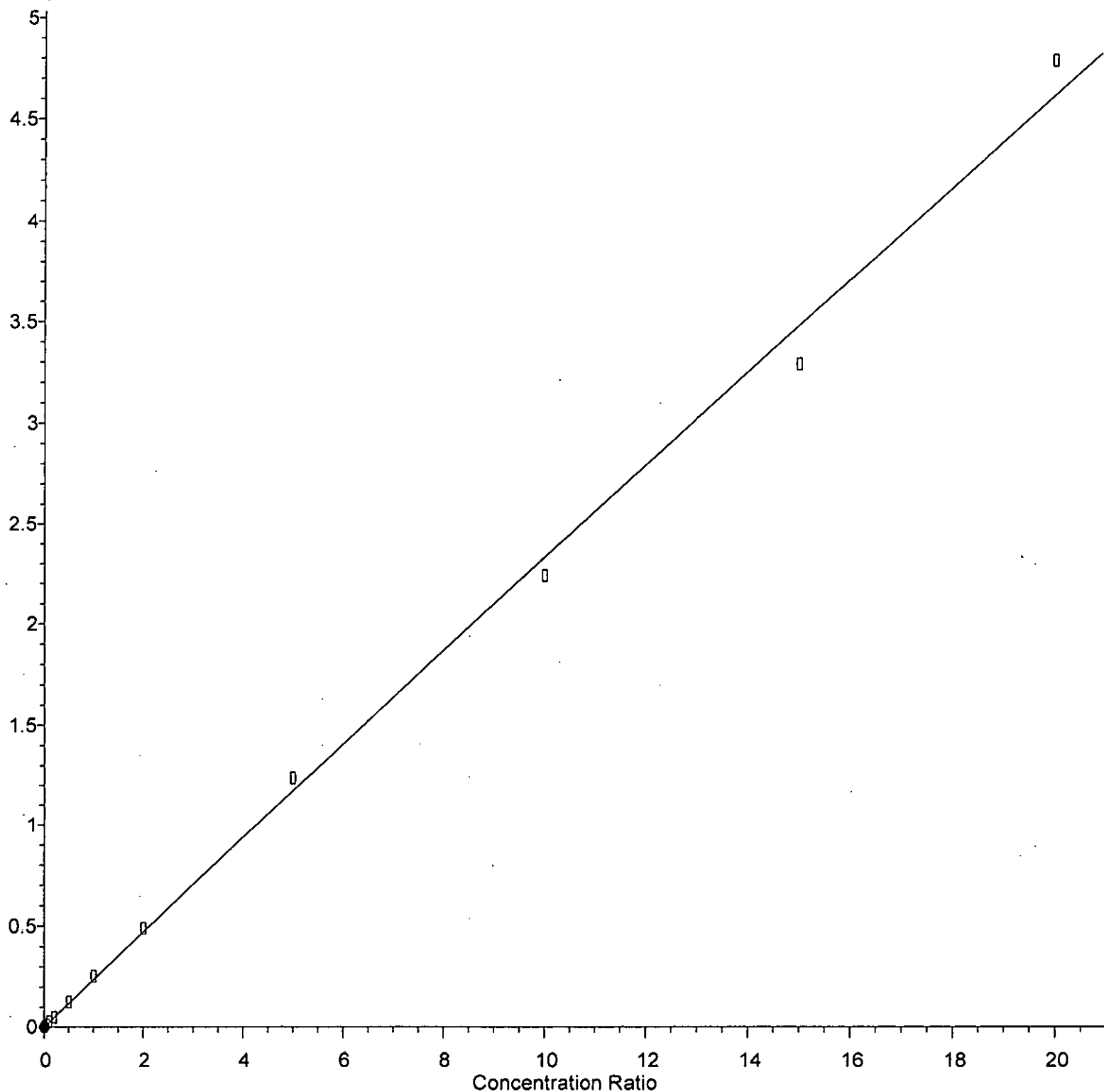
Response Ratio



$R = -1.898e-003 A^2 + 1.013e+000 A + 2.141e-003$
Coef of Det (r^2) = 0.997510 Curve Fit: Quadratic w(1/a)
Method Name: D:\Methods\Inst11\VB110322ms11.M
Calibration Table Last Updated: Mon Nov 07 14:08:49 2022

1,1,2-Trichloroethane

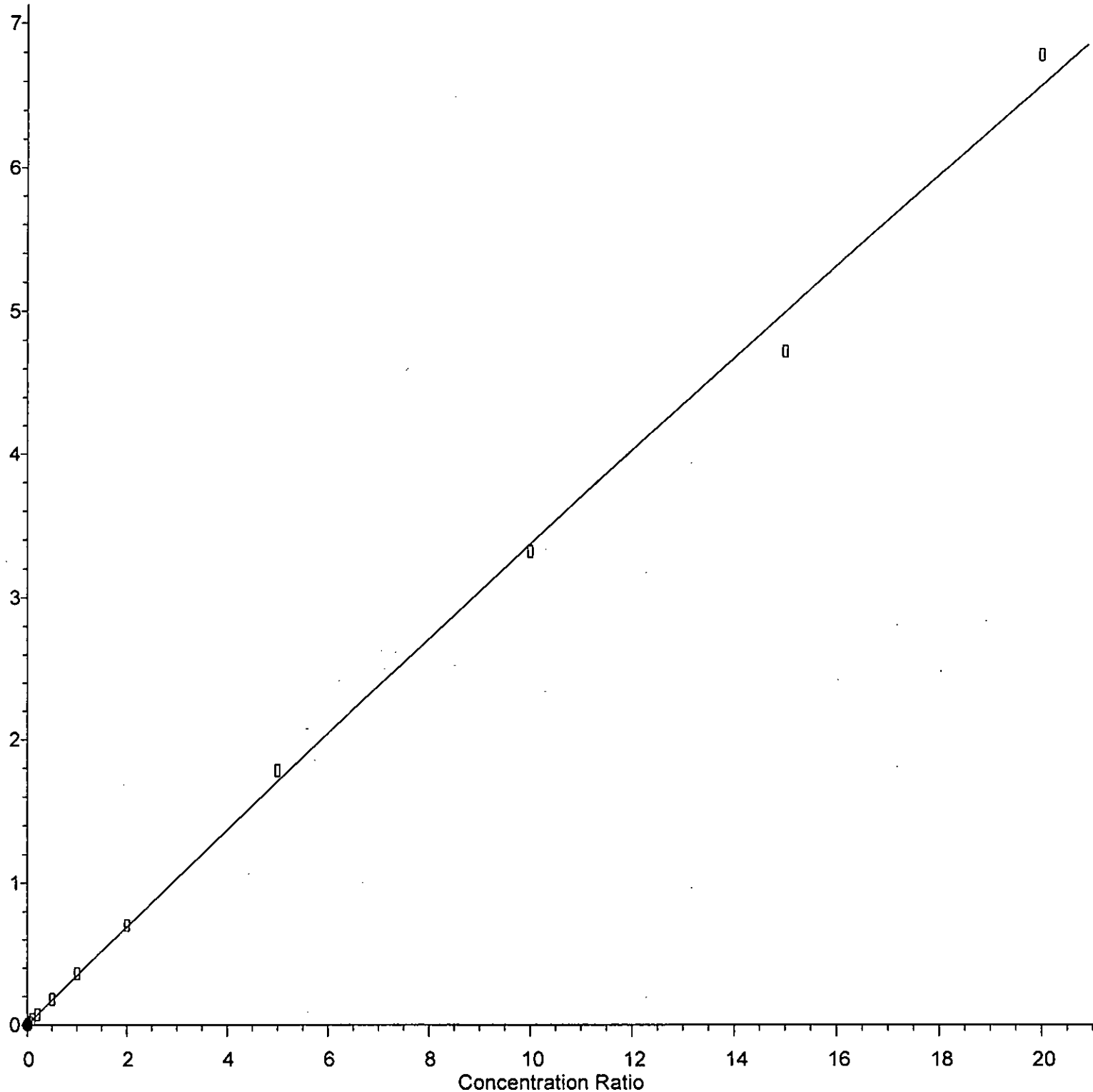
Response Ratio



$R = -2.326e-004 A^2 + 2.357e-001 A + 7.351e-004$
Coef of Det (r^2) = 0.997817 Curve Fit: Quadratic w(1/a)
Method Name: D:\Methods\Inst11\VB110322ms11.M
Calibration Table Last Updated: Mon Nov 07 14:08:49 2022

Tetrachloroethene

Response Ratio



$R = -8.269e-004 A^2 + 3.453e-001 A + 1.896e-003$
Coef of Det (r^2) = 0.998465 Curve Fit: Quadratic w(1/a)
Method Name: D:\Methods\Inst11\VB110322ms11.M
Calibration Table Last Updated: Mon Nov 07 14:08:49 2022

GC/MS Data Daily Checklist

Instrument: GC/MS 11.

Sequence Date: 11.03.22

Shift # 1

Item	Initial	Date
Shift and Batch		
All samples analyzed within 12 hour shift	/ my	11.03.22
Internal Standards within limits (50-200% of the CCVs for 8260, 8270; 70-130% for 524.2)	/	|
Surrogate recoveries within limits	/	|
Laboratory control sample (LCS) recoveries within limits	/	|
Matrix spike (MS) analyzed	NO	|
RPDs within limits	✓	|
Continuing Calibration Analyzed, Evaluated and Passed	✓	|
Non-Conformance Report filled out (if needed)	NA	|

Notes: _____

Attach this sheet to raw data package.

YA 11/11/22
Supervisor Initials and Date

GC/MS ICAL Checklist

Instrument: GC/MS 11

Sequence Date: 11.03.22

Shift # 1

Item	Initial	Date
Shift and Batch		
Initial Calibration Analyzed, Evaluated and Passed	/ my	11.01.22
2 nd source passed	/	|
Analyte retention time checked	/	|
Tune passed	/	|
Non-Conformance Report filled out (if needed)	NA f	|

Notes: EDE start @ 0.1 ppb

Attach this sheet to raw data package.

YA 11/11/22
Supervisor Initials and Date

GC/MS QA-QC Check Report

Tune File : S:\Proc_GCMS11\11-03-22\110317.D

Tune Time : 03 Nov 2022 12:23 pm

Daily Calibration File : D:\Proc_GCMS11\10-06-22\100628.D

(DMF) (DHL) (TOL) (BFB)

89223

74582

42734

File	Sample	Surrogate Recovery %				Internal Standard Responses		
110320.D	0.02 ppb 8	97	99	99	0+	60933	43253	24976
110321.D	0.04 ppb 8	100	103	99	101	59193	42331	24877
110322.D	0.1 ppb 82	102	99	97	0+	58277	41908	24172
110323.D	0.2 ppb 82	96	102	100	104	61311	44921	25317
110324.D	0.5 ppb 82	105	102	95	98	56175	38800	23992
110325.D	1 ppb 8260	101	103	99	101	57426	40297	23765
110326.D	2 ppb 8260	105	103	97	98	55599	39499	23208
110327.D	5 ppb 8260	102	99	104	99	58345	43222	25178
110329.D	20 ppb 826	103	104	100	99	55034	40247	23886
110330.D	50 ppb 826	101	105	101	99	55430	40353	23738
110331.D	100 ppb 82	100	92	101	97	54152	39544	23400
110332.D	150 ppb 82	94	93	103	100	58941	44229	25485
110333.D	200 ppb 82	95	94	101	99	58470	44224	25881
110335.D	10 ppb 826	96	101	104	103	60742	45630	25827
110337.D	02-2635 1c	95	95	104	102	60393	45753	26400
110338.D	02-2635 1c	96	98	103	107	60082	44550	25177
110339.D	02-2634 1c	102	99	104	98	57286	42689	25542
110340.D	02-2634 1c	99	100	101	99	58603	42734	25488

(fails) - fails 12hr time check * - fails criteria

Spike Recovery and RPD Summary Report - SOIL

Method : D:\Methods\Inst11\VB110322ms11.M (RTE Integrator)
 Title : 8260 Purge & Trap Volatiles Dual Acquisition
 Last Update : Mon Nov 07 14:08:49 2022
 Response via : Initial Calibration

Non-Spiked Sample: 110343.D

Spike Sample	Spike Duplicate Sample
File ID : 110339.D	| 110340.D
Sample : 02-2634 lcs	| 02-2634 lcsd
Acq Time: 03 Nov 2022 09:15 pm	| 03 Nov 2022 09:37 pm

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits RPD	QC Limits % Rec
Ethanol	0.0	0	0	0	0#	0#	99#	20	51-164
Dichlorodifluorometh	0.0	10	6	5	59	49	20	20	10-150
Chloromethane	0.0	10	7	6	73	62	15	20	21-140
Vinyl chloride	0.0	10	8	7	81	72	12	20	35-135
Bromomethane	0.1	10	9	8	90	83	8	20	20-151
Chloroethane	0.0	10	9	8	90	81	10	20	21-147
Trichlorofluorometha	0.0	10	9	8	87	81	8	20	47-143
2-Propanol	0.0	0	0	0	0#	0#	99#	20	70-130
Acetone	0.2	50	47	46	93	91	3	20	13-169
1,1-Dichloroethene	0.0	10	9	9	93	86	8	20	49-138
Hexane	0.1	10	10	9	97	85	13	20	61-141
Methylene chloride	0.0	10	10	9	97	94	3	20	25-146
t-Butyl alcohol (TBA	0.0	50	51	51	102	102	0	20	55-144
Methyl t-butyl ether	0.0	10	10	9	103	94	9	20	65-129
trans-1,2-Dichloroet	0.0	10	10	9	96	88	8	20	62-126
Diisopropyl ether (D	0.0	10	10	9	99	88	11	20	66-133
1,1-Dichloroethane	0.0	10	10	9	100	93	8	20	64-131
Ethyl t-butyl ether	0.0	10	10	9	103	91	12	20	64-130
2,2-Dichloropropane	0.0	10	10	9	96	90	6	20	76-150
cis-1,2-Dichloroethe	0.0	10	10	9	100	93	7	20	62-127
Chloroform	0.1	10	9	9	93	88	5	20	67-129
2-Butanone (MEK)	0.2	50	53	49	106	97	8	20	19-171
t-Amyl methyl ether	0.0	10	10	9	101	91	10	20	66-130
1,2-Dichloroethane (	0.0	10	10	9	97	89	9	20	73-111
1,1,1-Trichloroethan	0.0	10	10	9	99	91	8	20	66-125
1,1-Dichloropropene	0.0	10	10	9	97	91	7	20	70-131
Carbon tetrachloride	0.0	10	10	9	99	90	10	20	53-135
Benzene	0.0	10	10	9	103	94	9	20	70-130
Trichloroethene	0.0	10	10	9	95	88	8	20	62-116
1,2-Dichloropropane	0.0	10	10	9	100	92	8	20	70-130
Bromodichloromethane	0.0	10	10	9	98	91	7	20	70-130
Dibromomethane	0.0	10	10	9	102	94	8	20	70-130
4-Methyl-2-pentanone	0.0	50	51	49	103	98	5	20	64-137
cis-1,3-Dichloroprop	0.0	10	10	9	97	90	8	20	68-137
Toluene	0.0	10	10	9	96	91	6	20	70-130
trans-1,3-Dichloropr	0.1	10	10	10	101	99	2	20	70-130
1,1,2-Trichloroethan	0.0	10	11	10	107	99	7	20	70-130

2-Hexanone	0.0	50	58	53	115	106	8	20	55-145
1,3-Dichloropropane	0.0	10	10	10	102	97	5	20	70-130
Tetrachloroethene	0.0	10	10	10	103	97	6	20	69-131
Dibromochloromethane	0.0	10	10	9	98	90	9	20	61-137
1,2-Dibromoethane (E)	0.0	10	10	9	98	92	7	20	70-130
Chlorobenzene	0.0	10	10	10	98	96	3	20	70-130
Ethylbenzene	0.0	10	10	9	99	92	7	20	70-130
1,1,1,2-Tetrachloroe	0.0	10	10	9	103	94	9	20	56-134
m,p-Xylene	0.1	20	20	18	99	92	8	20	70-130
o-Xylene	0.0	10	10	9	98	92	6	20	70-130
Styrene	0.0	10	10	10	104	95	9	20	70-130
Isopropylbenzene	0.0	10	10	10	101	95	6	20	67-131
Bromoform	0.0	10	10	9	97	93	4	20	70-130
n-Propylbenzene	0.0	10	10	9	101	93	8	20	70-130
Bromobenzene	0.0	10	10	9	98	93	5	20	70-130
1,3,5-Trimethylbenze	0.0	10	10	9	98	94	5	20	70-130
1,1,2,2-Tetrachloroe	0.0	10	10	9	98	90	8	20	70-130
1,2,3-Trichloropropa	0.0	10	10	9	98	90	9	20	70-130
2-Chlorotoluene	0.0	10	10	9	98	92	6	20	70-130
4-Chlorotoluene	0.1	10	10	9	101	94	8	20	70-130
tert-Butylbenzene	0.0	10	10	9	98	93	6	20	70-130
1,2,4-Trimethylbenze	0.0	10	10	9	99	94	4	20	70-130
sec-Butylbenzene	0.0	10	10	9	100	94	6	20	68-131
p-Isopropyltoluene	0.0	10	10	9	101	95	7	20	70-130
1,3-Dichlorobenzene	0.1	10	10	9	98	92	6	20	70-130
1,4-Dichlorobenzene	0.1	10	10	9	101	91	9	20	70-130
1,2-Dichlorobenzene	0.1	10	10	9	98	91	8	20	70-130
1,2-Dibromo-3-chloro	0.0	10	10	9	96	92	5	20	70-130
1,2,4-Trichlorobenze	0.1	10	10	9	95	92	3	20	66-140
Hexachlorobutadiene	0.1	10	9	9	94	91	3	20	67-141
Naphthalene	0.1	10	10	9	95	91	4	20	69-119
1,2,3-Trichlorobenze	0.1	10	10	9	97	94	3	20	66-138

- Fails Limit Check

VB110322ms11.M

Mon Nov 07 14:41:05 2022

Spike Recovery and RPD Summary Report - WATER

Method : D:\Methods\Inst11\VB110322ms11.M (RTE Integrator)
 Title : 8260 Purge & Trap Volatiles Dual Acquisition
 Last Update : Mon Nov 07 14:08:49 2022
 Response via : Initial Calibration

Non-Spiked Sample: 110342.D

Spike Sample	Spike Duplicate Sample
File ID : 110337.D	110338.D
Sample : 02-2635 lcs	02-2635 lcsd
Acq Time: 03 Nov 2022 08:30 pm	03 Nov 2022 08:53 pm

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits RPD	QC Limits % Rec
Ethanol	0.0	0	0	0	0#	0#	99#	20	48-163
Dichlorodifluorometh	0.0	10	10	10	97	99	2	20	46-206
Chloromethane	0.1	10	9	9	92	92	1	20	70-142
Vinyl chloride	0.0	10	10	10	99	96	2	20	70-130
Bromomethane	0.1	10	11	10	108	103	5	20	50-197
Chloroethane	0.0	10	10	10	102	100	2	20	70-130
Trichlorofluorometha	0.0	10	10	9	96	94	3	20	70-130
2-Propanol	0.0	0	0	0	0#	0#	99#	20	70-130
Acetone	0.3	50	30	29	60	58	4	20	10-140
1,1-Dichloroethene	0.0	10	10	9	98	94	3	20	70-130
Hexane	0.0	10	9	10	93	97	5	20	54-136
Methylene chloride	0.6	10	11	10	99	95	5	20	43-134
t-Butyl alcohol (TBA	0.0	50	52	52	104	104	0	20	70-130
Methyl t-butyl ether	0.0	10	10	10	103	100	3	20	70-130
trans-1,2-Dichloroet	0.0	10	10	9	96	94	3	20	70-130
Diisopropyl ether (D	0.0	10	10	10	96	95	0	20	70-130
1,1-Dichloroethane	0.0	10	10	9	100	95	6	20	70-130
Ethyl t-butyl ether	0.0	10	10	10	102	99	4	20	70-130
2,2-Dichloropropane	0.0	10	10	9	95	91	5	20	70-130
cis-1,2-Dichloroethe	0.0	10	10	10	99	97	3	20	70-130
Chloroform	0.1	10	9	9	92	92	0	20	70-130
2-Butanone (MEK)	0.0	50	39	39	78	78	0	20	17-154
t-Amyl methyl ether	0.0	10	10	10	96	97	1	20	70-130
1,2-Dichloroethane (	0.0	10	10	10	97	96	1	20	70-130
1,1,1-Trichloroethan	0.0	10	10	10	99	97	2	20	70-130
1,1-Dichloropropene	0.0	10	10	10	99	98	2	20	70-130
Carbon tetrachloride	0.0	10	10	10	98	96	2	20	70-130
Benzene	0.0	10	10	10	103	101	1	20	70-130
Trichloroethene	0.0	10	9	9	92	91	1	20	70-130
1,2-Dichloropropane	0.0	10	10	10	101	100	1	20	70-130
Bromodichloromethane	0.0	10	10	10	100	97	3	20	70-130
Dibromomethane	0.0	10	10	10	100	101	0	20	70-130
4-Methyl-2-pentanone	0.0	50	53	52	106	105	1	20	68-130
cis-1,3-Dichloroprop	0.0	10	10	10	102	100	2	20	69-131
Toluene	0.0	10	10	10	96	98	2	20	70-130
trans-1,3-Dichloropr	0.1	10	11	11	105	107	2	20	70-130
1,1,2-Trichloroethan	0.0	10	11	11	107	110	3	20	70-130

2-Hexanone	0.0	50	50	52	101	104	3	20	45-138
1,3-Dichloropropane	0.0	10	10	11	102	109	7	20	70-130
Tetrachloroethene	0.0	10	10	10	100	102	2	20	70-130
Dibromochloromethane	0.0	10	10	10	97	101	5	20	60-148
1,2-Dibromoethane (E)	0.1	10	10	10	99	102	4	20	70-130
Chlorobenzene	0.0	10	10	10	98	102	3	20	70-130
Ethylbenzene	0.0	10	10	10	96	98	2	20	70-130
1,1,1,2-Tetrachloroe	0.0	10	9	10	94	97	3	20	70-130
m,p-Xylene	0.1	20	19	20	96	98	2	20	70-130
o-Xylene	0.0	10	10	10	96	97	1	20	70-130
Styrene	0.0	10	10	10	100	104	3	20	70-130
Isopropylbenzene	0.0	10	10	10	98	101	3	20	70-130
Bromoform	0.0	10	10	10	99	98	1	20	69-138
n-Propylbenzene	0.0	10	10	10	100	104	4	20	70-130
Bromobenzene	0.0	10	10	11	99	105	5	20	70-130
1,3,5-Trimethylbenze	0.0	10	10	10	97	100	3	20	70-130
1,1,2,2-Tetrachloroe	0.0	10	10	11	104	111	6	20	70-130
1,2,3-Trichloropropa	0.0	10	10	10	101	103	2	20	70-130
2-Chlorotoluene	0.0	10	10	10	99	102	3	20	70-130
4-Chlorotoluene	0.1	10	10	11	100	107	7	20	70-130
tert-Butylbenzene	0.0	10	10	10	99	103	4	20	70-130
1,2,4-Trimethylbenze	0.0	10	10	10	98	102	4	20	70-130
sec-Butylbenzene	0.0	10	10	10	98	103	5	20	70-130
p-Isopropyltoluene	0.0	10	10	10	98	103	5	20	70-130
1,3-Dichlorobenzene	0.1	10	10	10	97	99	2	20	70-130
1,4-Dichlorobenzene	0.1	10	10	10	98	103	5	20	70-130
1,2-Dichlorobenzene	0.1	10	10	10	97	100	2	20	70-130
1,2-Dibromo-3-chloro	0.0	10	10	10	96	97	1	20	70-130
1,2,4-Trichlorobenze	0.2	10	9	10	89	95	7	20	70-130
Hexachlorobutadiene	0.1	10	9	9	88	93	5	20	70-130
Naphthalene	0.1	10	9	10	91	96	6	20	70-130
1,2,3-Trichlorobenze	0.1	10	9	10	91	96	6	20	70-130

- Fails Limit Check

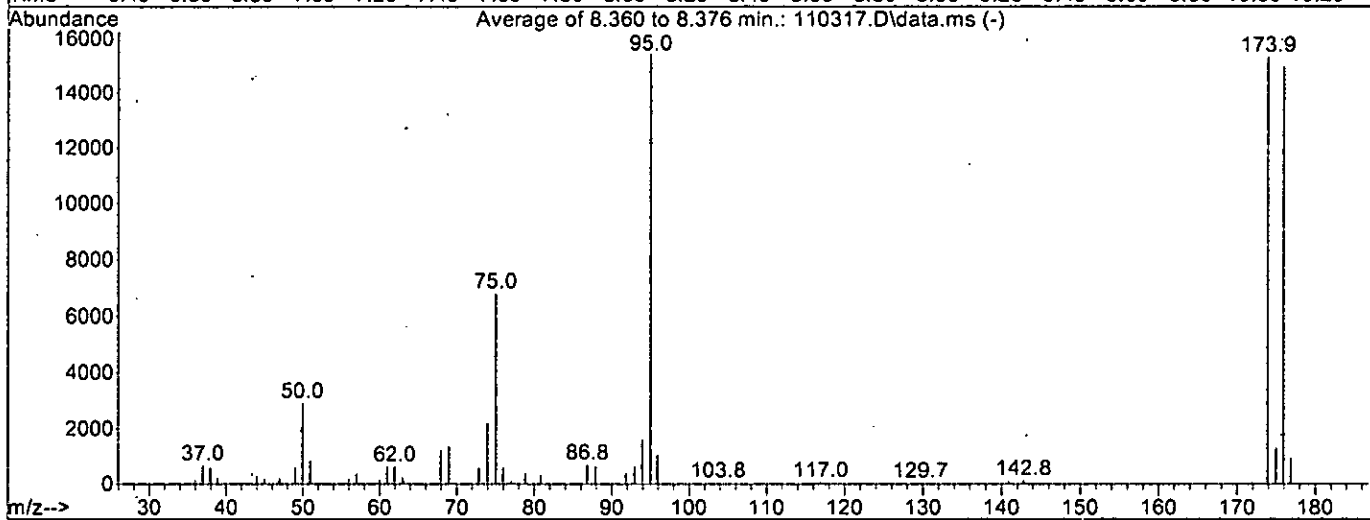
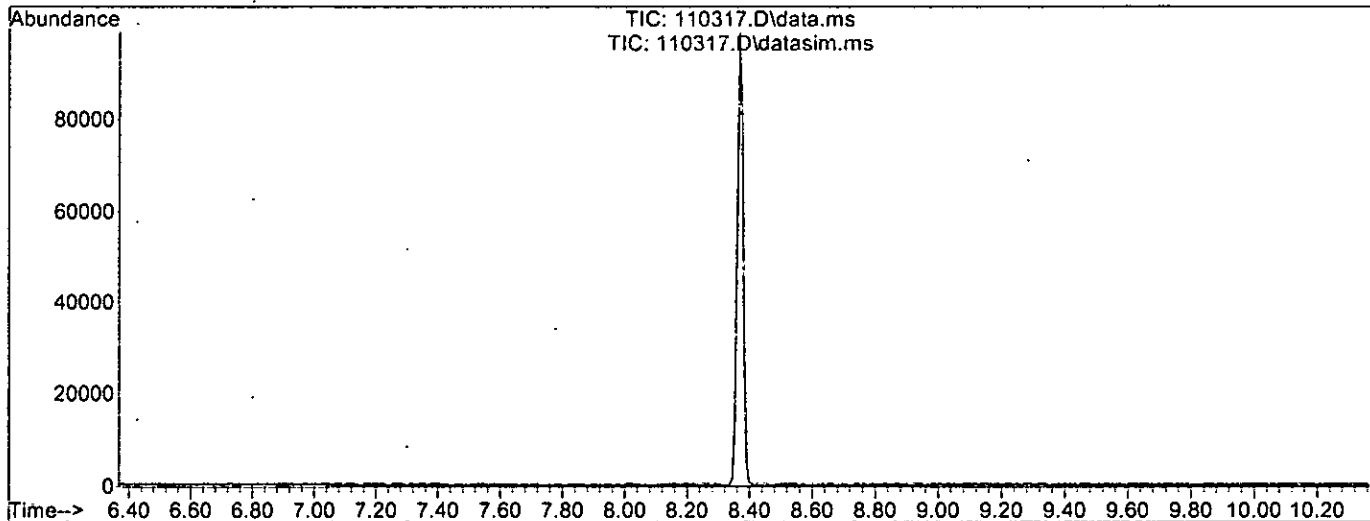
VB110322ms11.M

Mon Nov 07 14:38:28 2022

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110317.D
 Acq On : 03 Nov 2022 12:23 pm
 Operator : LM
 Sample : 50 ng BFB 67-152A
 Misc : water
 ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: LSCINT.P
 Integration File signal 2: rteint2.p

Method : D:\METHODS\Inst11\VB101422ms11.M
 Title : 8260 Purge & Trap Volatiles Dual Acquisition
 Last Update : Tue Oct 18 12:50:16 2022



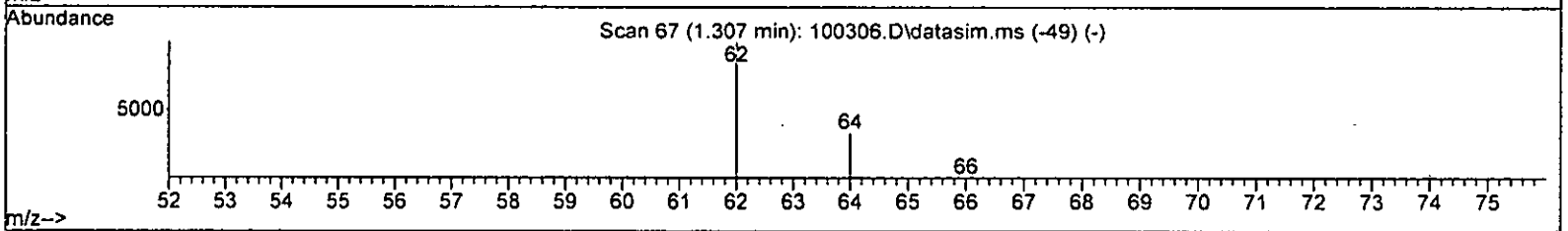
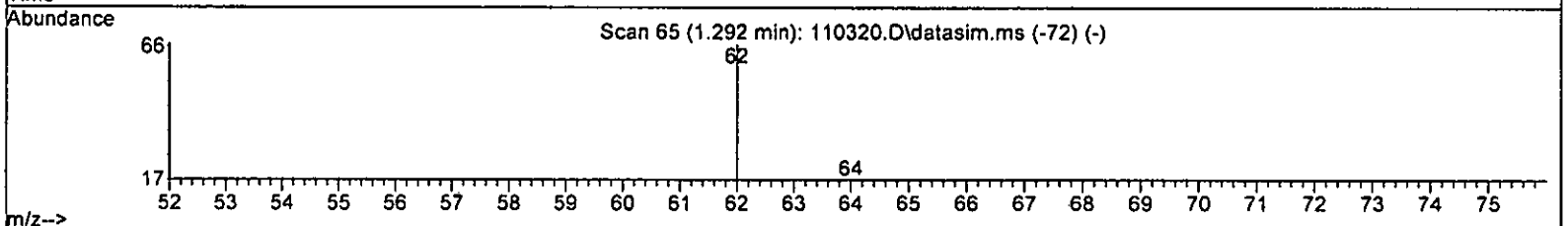
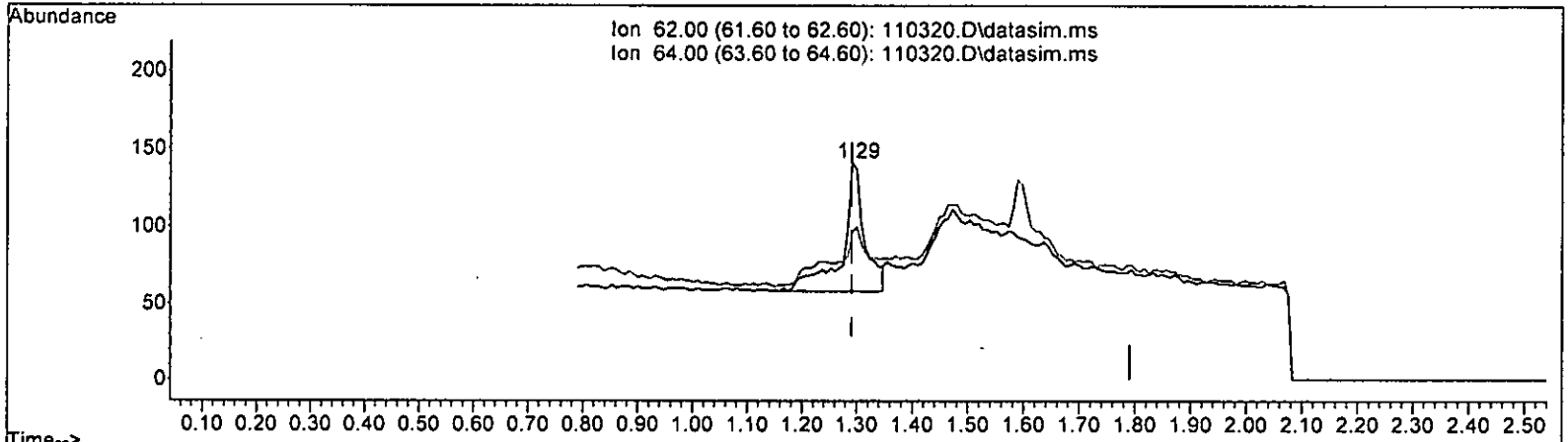
AutoFind: Scans 884, 885, 886; Background Corrected with Scan 879

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
95	174	50	200	101.0	15445	PASS
96	95	5	9	7.0	1082	PASS
173	174	0.00	2	0.4	67	PASS
174	95	50	200	99.0	15294	PASS
175	174	5	9	8.6	1317	PASS
176	174	95	105	97.6	14934	PASS
177	176	5	10	6.6	981	PASS

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110320.D
 Acq On : 03 Nov 2022 02:10 pm
 Operator : LM
 Sample : 0.02 ppb 8260 ICAL 67-177F
 Misc : soil/water
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 12:42:29 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 12:40:01 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M



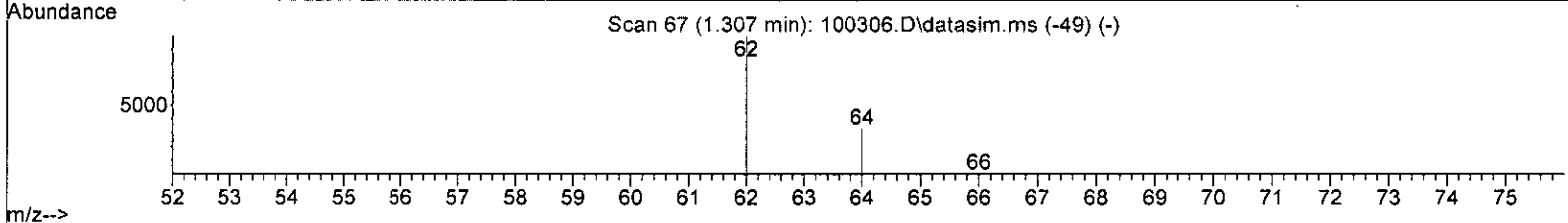
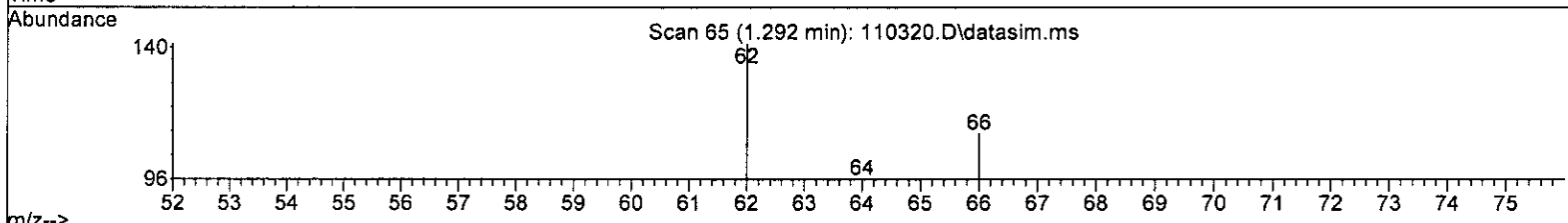
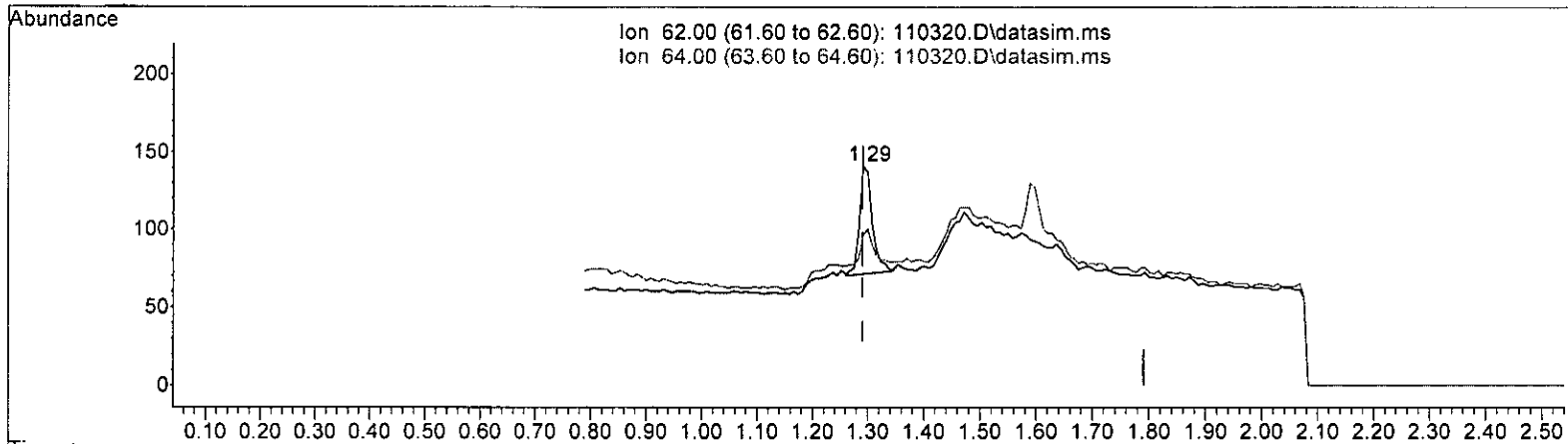
TIC: 110320.D\data.ms

(6) Vinyl chloride (TMP)			
1.292min (+ 0.001) 0.046 ppb			
response	234		
Ion	Exp%	Act%	
62.00	100.00	100.00	
64.00	32.40	40.96	
0.00	0.00	0.00	
0.00	0.00	0.00	

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110320.D
 Acq On : 03 Nov 2022 02:10 pm
 Operator : LM
 Sample : 0.02 ppb 8260 ICAL 67-177F
 Misc : soil/water
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 12:42:29 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 12:40:01 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M



TIC: 110320.D\data.ms

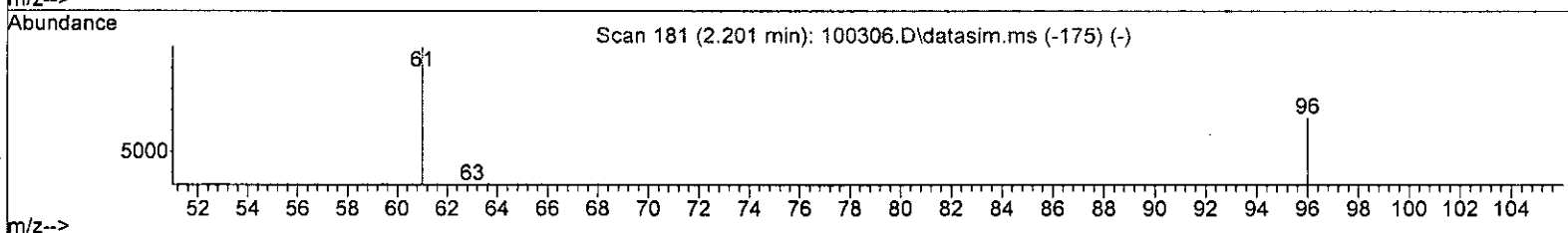
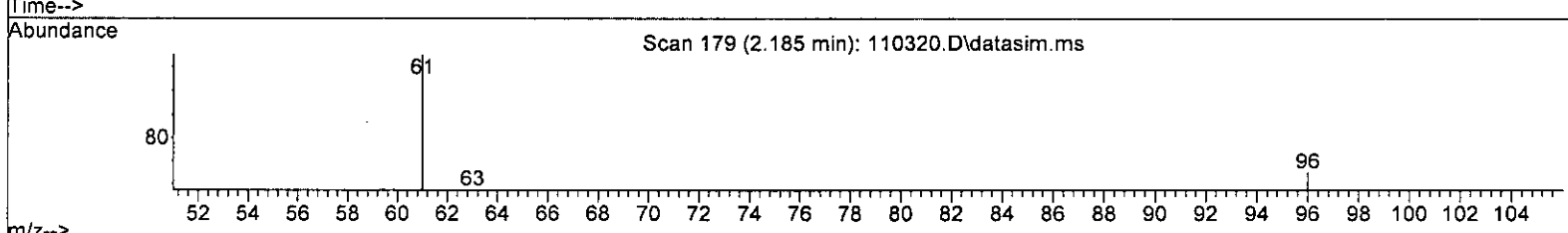
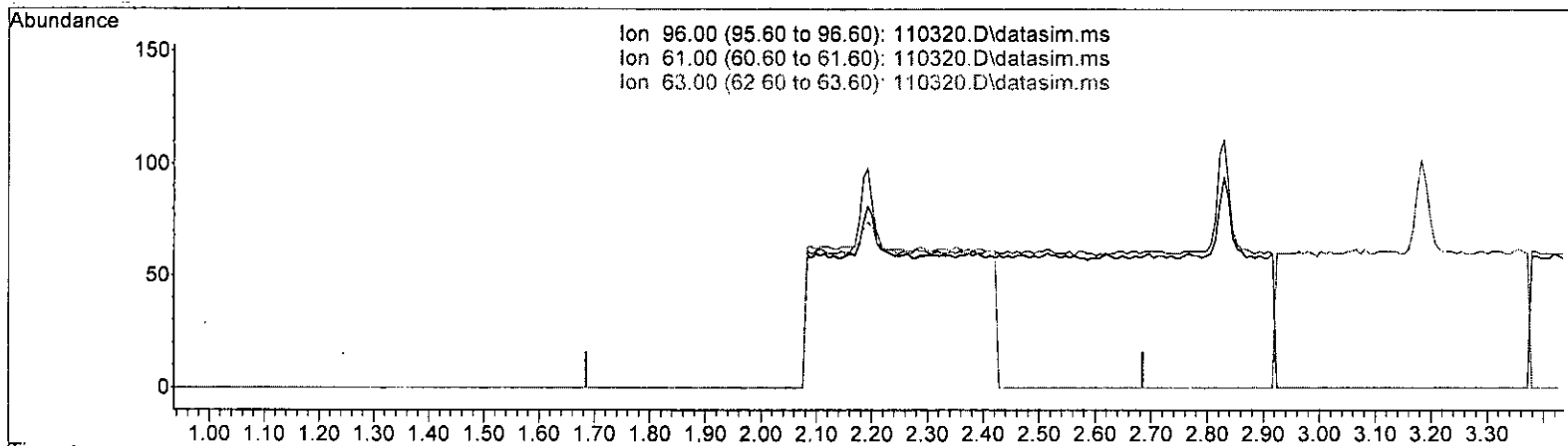
(6) Vinyl chloride (TMP)
 1.292min (+ 0.001) 0.021 ppb m

response	109
Ion	Exp% Act%
62.00	100.00 100.00
64.00	32.40 68.09#
0.00	0.00 0.00
0.00	0.00 0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110320.D
 Acq On : 03 Nov 2022 02:10 pm
 Operator : LM
 Sample : 0.02 ppb 8260 ICAL 67-177F
 Misc : soil/water
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 12:42:29 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 12:40:01 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M



TIC: 110320.D\data.ms

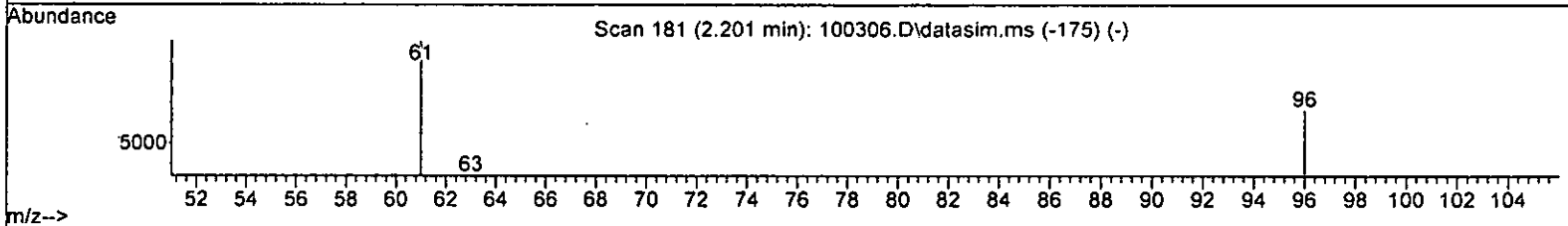
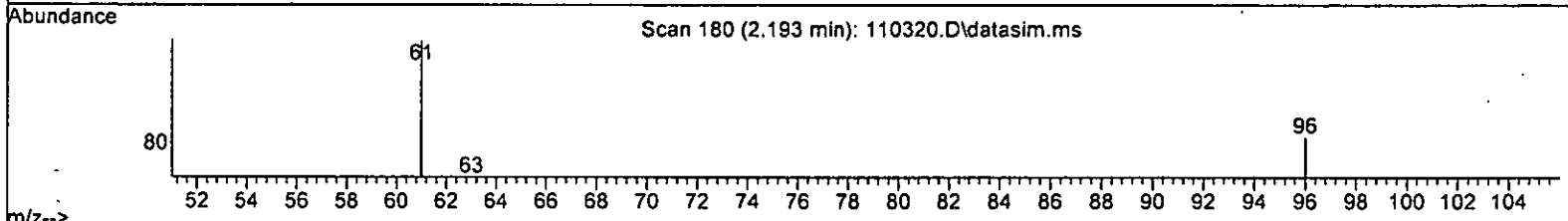
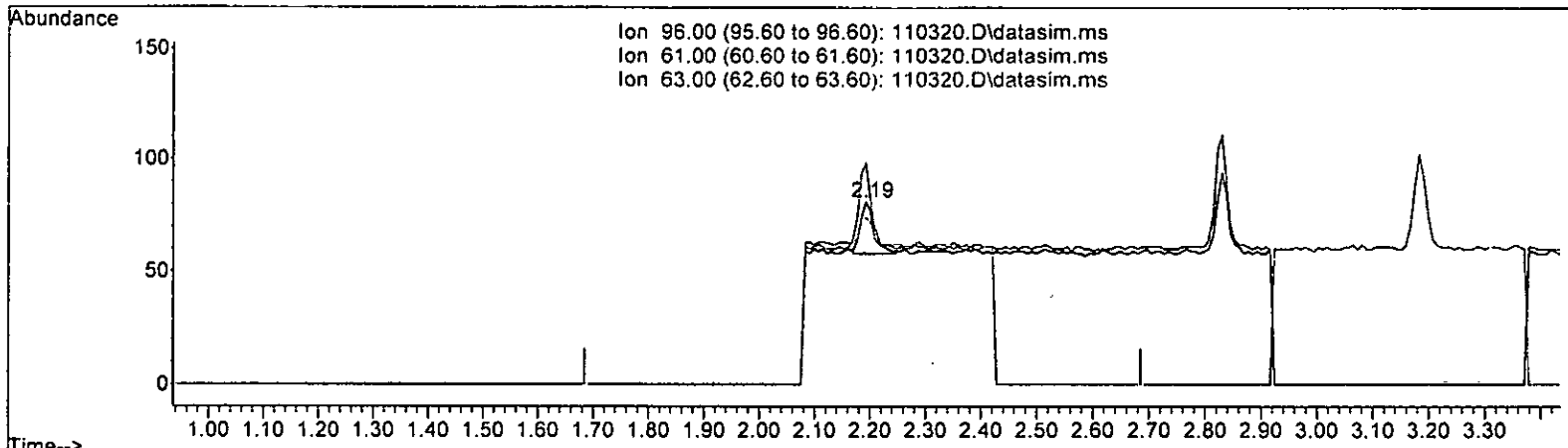
(12) 1,1-Dichloroethene (TMP)
 2.185min (-2.185) 0.000 ppb
 response 0

Ion	Exp%	Act%
96.00	100.00	0.00
61.00	155.80	0.00#
63.00	52.50	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110320.D
 Acq On : 03 Nov 2022 02:10 pm
 Operator : LM
 Sample : 0.02 ppb 8260 ICAL 67-177F
 Misc : soil/water
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 12:42:29 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 Qlast Update : Mon Nov 07 12:40:01 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M



TIC: 110320.D\data.ms

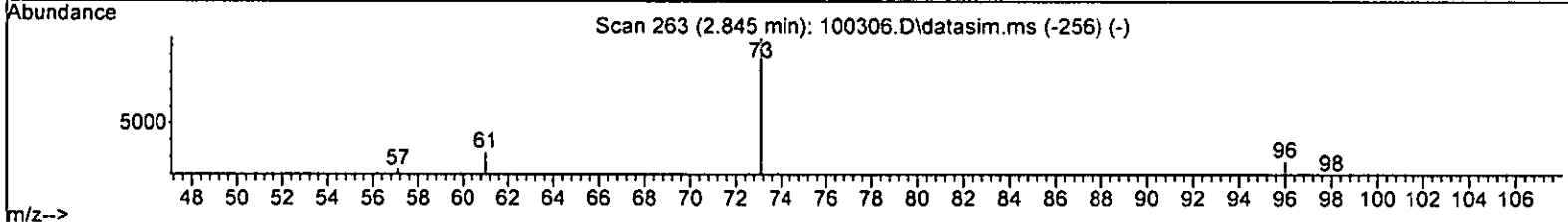
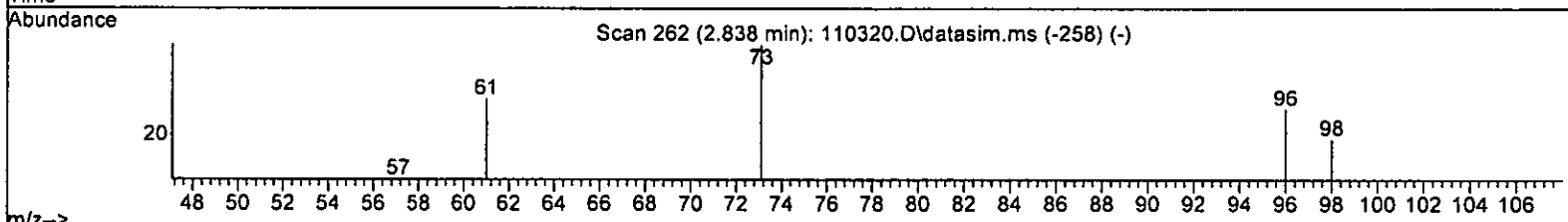
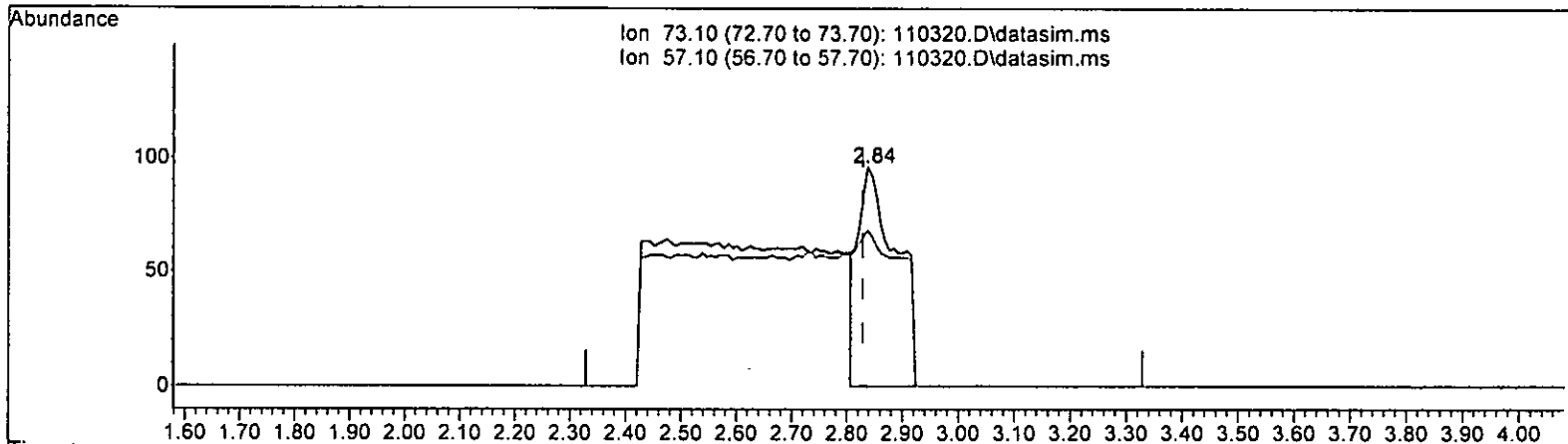
(12) 1,1-Dichloroethene (TMP)
 2.193min (+ 0.008) 0.024 ppb m

response	39
Ion	Exp% Act%
96.00	100.00 100.00
61.00	155.80 120.99#
63.00	52.50 91.36#
0.00	0.00 0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110320.D
 Acq On : 03 Nov 2022 02:10 pm
 Operator : LM
 Sample : 0.02 ppb 8260 ICAL 67-177F
 Misc : soil/water
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 12:42:29 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 12:40:01 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M



TIC: 110320.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

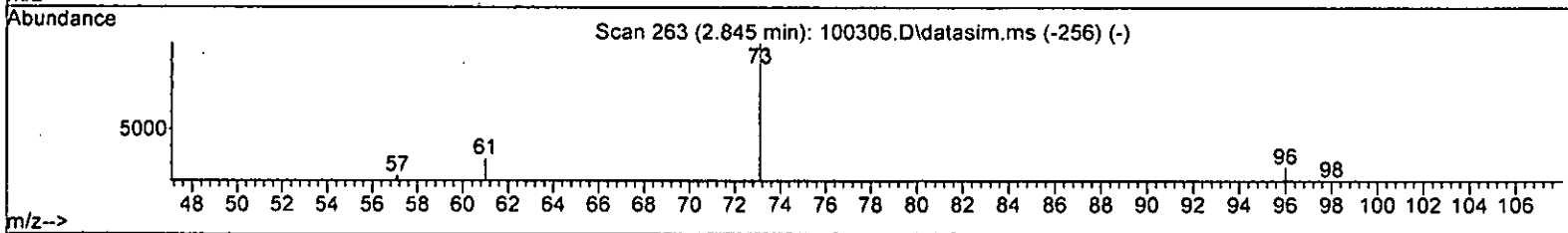
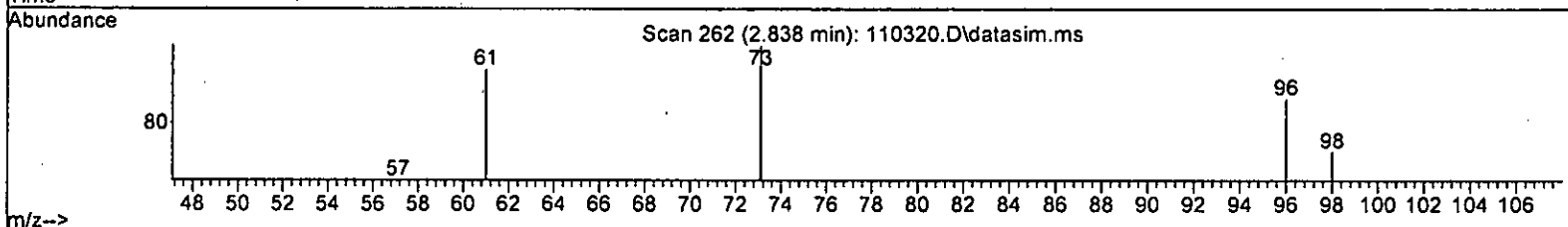
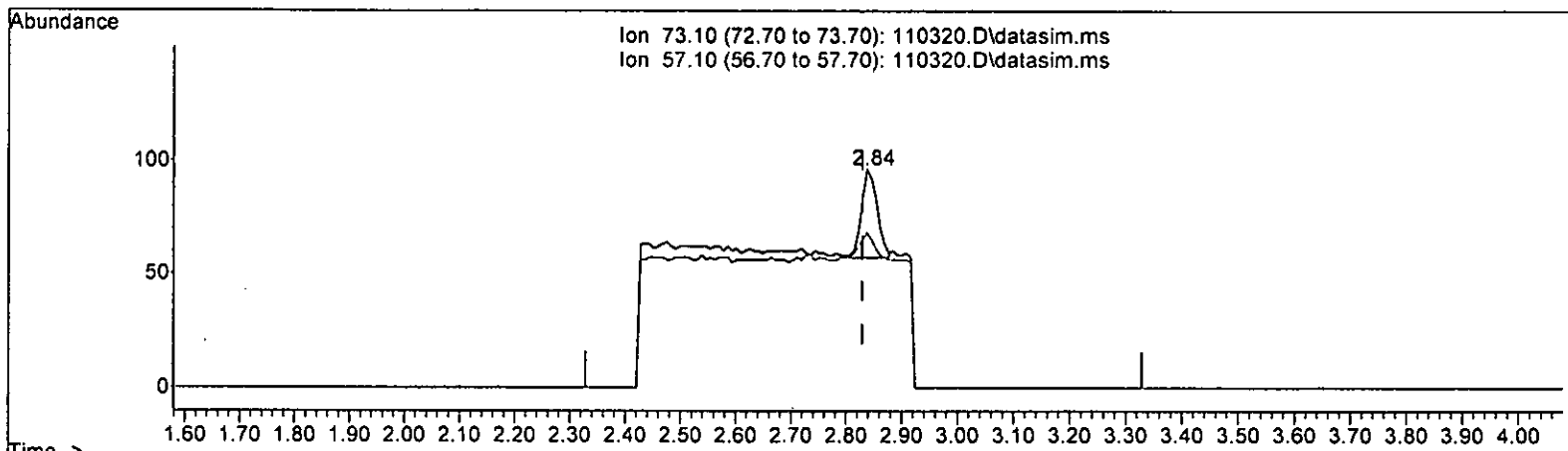
2.838min (+ 0.009) 0.107 ppb

response	456
Ion	Exp% Act%
73.10	100.00 100.00
57.10	23.10 70.83#
0.00	0.00 0.00
0.00	0.00 0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110320.D
 Acq On : 03 Nov 2022 02:10 pm
 Operator : LM
 Sample : 0.02 ppb 8260 ICAL 67-177F
 Misc : soil/water
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 12:42:29 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 Qlast Update : Mon Nov 07 12:40:01 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M



TIC: 110320.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)
 2.838min (+ 0.009) 0.018 ppb m

response	76
Ion	Exp% Act%
73.10	100.00 100.00
57.10	23.10 70.83#
0.00	0.00 0.00
0.00	0.00 0.00

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110320.D
 Acq On : 03 Nov 2022 02:10 pm
 Operator : LM
 Sample : 0.02 ppb 8260 ICAL 67-177F
 Misc : soil/water
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 12:42:29 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 12:40:01 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	4.63	96	60933	10.000	ppb	0.00	
39) Chlorobenzene-d5	7.27	117	43253	10.000	ppb	0.00	
56) 1,4-Dichlorobenzene-d4	9.48	152	24976	10.000	ppb	0.00	
System Monitoring Compounds							
3) Dibromofluoromethane	4.08	113	16692	9.674	ppb	0.00	
Spiked Amount	10.000	Range 50 - 150	Recovery	=	96.70%		
30) 1,2-Dichloroethane-d4	4.36	102	3820	9.950	ppb	0.00	
Spiked Amount	10.000	Range 79 - 128	Recovery	=	99.50%		
35) Toluene-d8	5.98	98	53763	9.940	ppb	0.00	
Spiked Amount	10.000	Range 84 - 121	Recovery	=	99.40%		
57) 4-Bromofluorobenzene	0.00	95	0d	0.000	ppb		
Spiked Amount	10.000	Range 84 - 116	Recovery	=	0.00%#		
Target Compounds							
							Qvalue
2) Ethanol	0.00		0	N.D.			
4) Dichlorodifluoromethane	0.00		0	N.D.			
5) Chloromethane	0.00		0	N.D.	d		
6] Vinyl chloride	1.29	62	109m	0.021	ppb		
7) Bromomethane	0.00		0	N.D.	d		
8) Chloroethane	0.00		0	N.D.	d		
9) Trichlorofluoromethane	0.00		0	N.D.			
10) 2-Propanol	0.00		0	N.D.			
11) Acetone	0.00		0	N.D.			
12] 1,1-Dichloroethene	2.19	96	39m	0.024	ppb		
13) Hexane	0.00		0	N.D.			
14) Methylene chloride	0.00		0	N.D.	d		
15) t-Butyl alcohol (TBA)	0.00		0	N.D.			
16] Methyl t-butyl ether (...)	2.84	73	76m	0.018	ppb		
17) trans-1,2-Dichloroethene	0.00		0	N.D.	d		
18) Diisopropyl ether (DIPE)	0.00		0	N.D.			
19] 1,1-Dichloroethane	3.18	63	66	0.021	ppb		96
20) Ethyl t-butyl ether (E...)	0.00		0	N.D.			
21) 2,2-Dichloropropane	0.00		0	N.D.			
22) cis-1,2-Dichloroethene	0.00		0	N.D.	d		
23) Chloroform	0.00		0	N.D.	d		
24) 2-Butanone (MEK)	0.00		0	N.D.	d		
25) t-Amyl methyl ether (T...)	0.00		0	N.D.			
26) 1,2-Dichloroethane (EDC)	0.00		0	N.D.	d		
27) 1,1,1-Trichloroethane	0.00		0	N.D.			
28) 1,1-Dichloropropene	0.00		0	N.D.			
29) Carbon tetrachloride	0.00		0	N.D.			
31) Benzene	0.00		0	N.D.	d		
32] Trichloroethene	4.93	95	53	0.028	ppb		85
33) 1,2-Dichloropropane	0.00		0	N.D.			
34) Bromodichloromethane	0.00		0	N.D.			
36) Dibromomethane	0.00		0	N.D.			

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110320.D
 Acq On : 03 Nov 2022 02:10 pm
 Operator : LM
 Sample : 0.02 ppb 8260 ICAL 67-177F
 Misc : soil/water
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS11

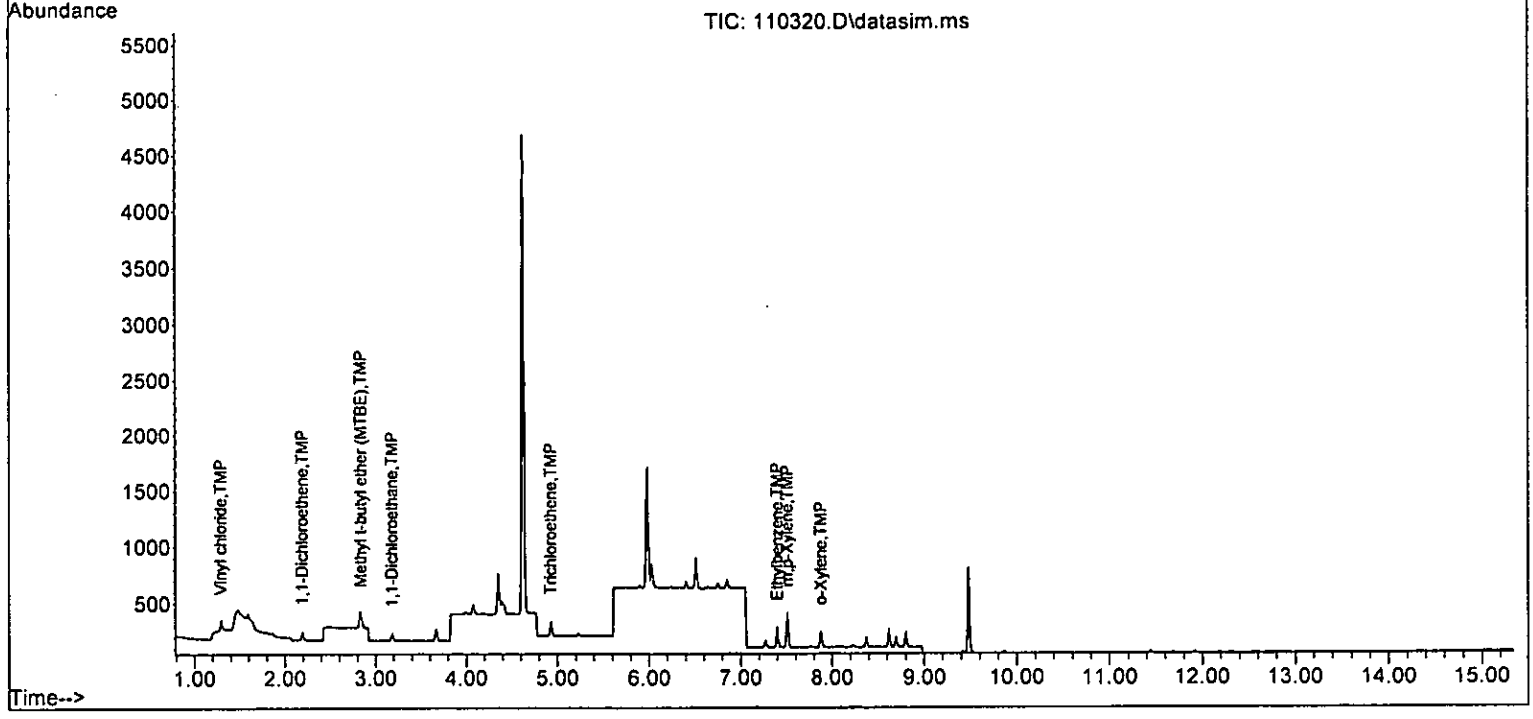
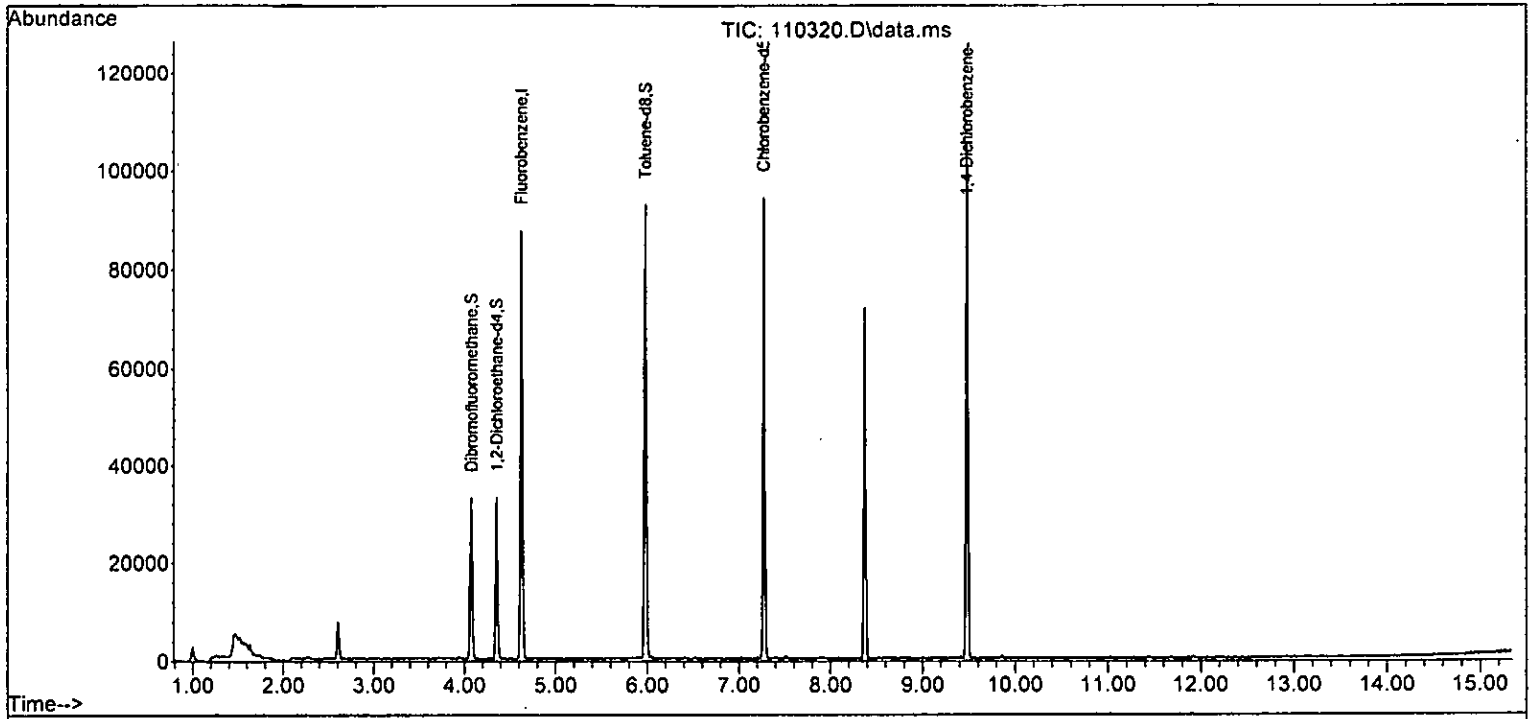
Quant Time: Nov 07 12:42:29 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 12:40:01 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.00		0	N.D.	
38) cis-1,3-Dichloropropene	0.00		0	N.D.	
40) Toluene	0.00		0	N.D. d	
41) trans-1,3-Dichloropropene	0.00		0	N.D.	
42) 1,1,2-Trichloroethane	0.00		0	N.D.	
43) 2-Hexanone	0.00		0	N.D. d	
44) 1,3-Dichloropropane	0.00		0	N.D.	
45) Tetrachloroethene	0.00		0	N.D. d	
46) Dibromochloromethane	0.00		0	N.D.	
47) 1,2-Dibromoethane (EDB)	0.00		0	N.D.	
48) Chlorobenzene	0.00		0	N.D. d	
49] Ethylbenzene	7.40	91	180	0.026 ppb	94
50) 1,1,1,2-Tetrachloroethane	0.00		0	N.D.	
51] m,p-Xylene	7.51	106	140	0.052 ppb	88
52] o-Xylene	7.88	106	66	0.025 ppb	89
53) Styrene	0.00		0	N.D. d	
54) Isopropylbenzene	0.00		0	N.D. d	
55) Bromoform	0.00		0	N.D.	
58) n-Propylbenzene	0.00		0	N.D. d	
59) Bromobenzene	0.00		0	N.D. d	
60) 1,3,5-Trimethylbenzene	0.00		0	N.D. d	
61) 1,1,2,2-Tetrachloroethane	0.00		0	N.D. d	
62) 1,2,3-Trichloropropane	0.00		0	N.D. d	
63) 2-Chlorotoluene	0.00		0	N.D. d	
64) 4-Chlorotoluene	0.00		0	N.D. d	
65) tert-Butylbenzene	0.00		0	N.D.	
66) 1,2,4-Trimethylbenzene	0.00		0	N.D. d	
67) sec-Butylbenzene	0.00		0	N.D. d	
68) p-Isopropyltoluene	0.00		0	N.D. d	
69) 1,3-Dichlorobenzene	0.00		0	N.D. d	
70) 1,4-Dichlorobenzene	0.00		0	N.D. d	
71) 1,2-Dichlorobenzene	0.00		0	N.D. d	
72) 1,2-Dibromo-3-chloropr...	0.00		0	N.D.	
73) 1,2,4-Trichlorobenzene	0.00		0	N.D. d	
74) Hexachlorobutadiene	0.00		0	N.D.	
75) Naphthalene	0.00		0	N.D. d	
76) 1,2,3-Trichlorobenzene	0.00		0	N.D. d	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110320.D
 Acq On : 03 Nov 2022 02:10 pm
 Operator : LM
 Sample : 0.02 ppb 8260 ICAL 67-177F
 Misc : soil/water
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 12:42:29 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 12:40:01 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M



Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110320.D
 Acq On : 03 Nov 2022 02:10 pm
 Operator : LM
 Sample : 0.02 ppb 8260 ICAL 67-177F
 Misc : soil/water
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 12:42:29 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 12:40:01 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I Fluorobenzene	10.000	10.000	0.0	100	0.00
2 TMP Ethanol	-1.000	0.000	0.0	0	-1.86#
3 S Dibromofluoromethane	10.000	9.674	3.3	100	0.00
4 TMP Dichlorodifluoromethane	-1.000	0.000	0.0	0	-1.09#
5 TMP Chloromethane	-1.000	0.000	0.0	0	-1.22#
6 TMP Vinyl chloride	0.020	0.021	-5.0	98	0.00
7 TMP Bromomethane	-1.000	0.000	0.0	0	-1.52#
8 TMP Chloroethane	-1.000	0.000	0.0	0	-1.59#
9 TMP Trichlorofluoromethane	-1.000	0.000	0.0	0	-1.77#
10 TMP 2-Propanol	-1.000	0.000	0.0	0	-2.43#
11 TMP Acetone	-1.000	0.000	0.0	0	-2.25#
12 TMP 1,1-Dichloroethene	0.020	0.024	-20.0	103	0.00
13 TMP Hexane	-1.000	0.000	0.0	0	-3.05#
14 TMP Methylene chloride	-1.000	0.000	0.0	0	-2.60#
15 TMP t-Butyl alcohol (TBA)	-1.000	0.000	0.0	0	-2.72#
16 TMP Methyl t-butyl ether (MTBE)	0.020	0.018	10.0	100	0.00
17 TMP trans-1,2-Dichloroethene	0.020	0.000	100.0#	0	-2.82#
18 TMP Diisopropyl ether (DIPE)	-1.000	0.000	0.0	0	-3.23#
19 TMP 1,1-Dichloroethane	0.020	0.021	-5.0	100	0.00
20 TMP Ethyl t-butyl ether (ETBE)	-1.000	0.000	0.0	0	-3.54#
21 TMP 2,2-Dichloropropane	-1.000	0.000	0.0	0	-3.66#
22 TMP cis-1,2-Dichloroethene	0.020	0.000	100.0#	0	-3.66#
23 TMP Chloroform	-1.000	0.000	0.0	0	-3.94#
24 TMP 2-Butanone (MEK)	-1.000	0.000	0.0	0	-3.70#
25 TMP t-Amyl methyl ether (TAME)	-1.000	0.000	0.0	0	-4.49#
26 TMP 1,2-Dichloroethane (EDC)	0.020	0.000	100.0#	0	-4.41#
27 TMP 1,1,1-Trichloroethane	0.020	0.000	100.0#	0	-4.08#
28 TMP 1,1-Dichloropropene	-1.000	0.000	0.0	0	-4.22#
29 TMP Carbon tetrachloride	-1.000	0.000	0.0	0	-4.21#
30 S 1,2-Dichloroethane-d4	10.000	9.950	0.5	100	0.00
31 TMP Benzene	0.020	0.000	100.0#	0	-4.38#
32 TMP Trichloroethene	0.020	0.028	-40.0#	100	0.00
33 TMP 1,2-Dichloropropane	-1.000	0.000	0.0	0	-5.13#
34 TMP Bromodichloromethane	-1.000	0.000	0.0	0	-5.37#
35 S Toluene-d8	10.000	9.940	0.6	100	0.00
36 TMP Dibromomethane	-1.000	0.000	0.0	0	-5.23#
37 TMP 4-Methyl-2-pentanone	-1.000	0.000	0.0	0	-5.91#
38 TMP cis-1,3-Dichloropropene	-1.000	0.000	0.0	0	-5.75#
39 I Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40 TMP Toluene	-1.000	0.000	0.0	0	-6.03#
41 TMP trans-1,3-Dichloropropene	-1.000	0.000	0.0	0	-6.25#
42 TMP 1,1,2-Trichloroethane	0.020	0.000	100.0#	0	-6.40#
43 TMP 2-Hexanone	-1.000	0.000	0.0	0	-6.64#

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110320.D
 Acq On : 03 Nov 2022 02:10 pm
 Operator : LM
 Sample : 0.02 ppb 8260 ICAL 67-177F
 Misc : soil/water
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 12:42:29 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 12:40:01 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	-1.000	0.000	0.0	0	-6.55#
45 TMP Tetrachloroethene	0.020	0.000	100.0#	0	-6.51#
46 TMP Dibromochloromethane	-1.000	0.000	0.0	0	-6.75#
47 TMP 1,2-Dibromoethane (EDB)	0.020	0.000	100.0#	0	-6.85#
48 TMP Chlorobenzene	-1.000	0.000	0.0	0	-7.29#
49 TMP Ethylbenzene	0.020	0.026	-30.0#	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	-1.000	0.000	0.0	0	-7.38#
51 TMP m,p-Xylene	0.040	0.052	-30.0#	100	0.00
52 TMP o-Xylene	0.020	0.025	-25.0#	100	0.00
53 TMP Styrene	-1.000	0.000	0.0	0	-7.90#
54 TMP Isopropylbenzene	-1.000	0.000	0.0	0	-8.23#
55 TMP Bromoform	-1.000	0.000	0.0	0	-8.07#
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	10.000	0.000	100.0#	0	-8.38#
58 TMP n-Propylbenzene	-1.000	0.000	0.0	0	-8.62#
59 TMP Bromobenzene	-1.000	0.000	0.0	0	-8.51#
60 TMP 1,3,5-Trimethylbenzene	-1.000	0.000	0.0	0	-8.79#
61 TMP 1,1,2,2-Tetrachloroethane	-1.000	0.000	0.0	0	-8.53#
62 TMP 1,2,3-Trichloropropane	-1.000	0.000	0.0	0	-8.56#
63 TMP 2-Chlorotoluene	-1.000	0.000	0.0	0	-8.70#
64 TMP 4-Chlorotoluene	-1.000	0.000	0.0	0	-8.80#
65 TMP tert-Butylbenzene	-1.000	0.000	0.0	0	-9.10#
66 TMP 1,2,4-Trimethylbenzene	-1.000	0.000	0.0	0	-9.15#
67 TMP sec-Butylbenzene	-1.000	0.000	0.0	0	-9.31#
68 TMP p-Isopropyltoluene	-1.000	0.000	0.0	0	-9.46#
69 TMP 1,3-Dichlorobenzene	-1.000	0.000	0.0	0	-9.42#
70 TMP 1,4-Dichlorobenzene	-1.000	0.000	0.0	0	-9.50#
71 TMP 1,2-Dichlorobenzene	-1.000	0.000	0.0	0	-9.86#
72 TMP 1,2-Dibromo-3-chloropropane	-1.000	0.000	0.0	0	-10.63#
73 TMP 1,2,4-Trichlorobenzene	-1.000	0.000	0.0	0	-11.44#
74 TMP Hexachlorobutadiene	-1.000	0.000	0.0	0	-11.61#
75 TMP Naphthalene	-1.000	0.000	0.0	0	-11.68#
76 TMP 1,2,3-Trichlorobenzene	-1.000	0.000	0.0	0	-11.92#

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110320.D
 Acq On : 03 Nov 2022 02:10 pm
 Operator : LM
 Sample : 0.02 ppb 8260 ICAL 67-177F
 Misc : soil/water
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 12:42:29 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 12:40:01 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I Fluorobenzene	1.000	1.000	0.0	100	0.00
2 TMP Ethanol	0.000	0.000#	0.0	0#	-1.86#
3 S Dibromofluoromethane	0.283	0.274	3.2	100	0.00
4 TMP Dichlorodifluoromethane	0.771	0.000#	100.0#	0#	-1.09#
5 TMP Chloromethane	0.937	0.000#	100.0#	0#	-1.22#
6 TMP Vinyl chloride	0.838	0.894	-6.7	98	0.00
7 TMP Bromomethane	0.490	0.000#	100.0#	0#	-1.52#
8 TMP Chloroethane	0.420	0.000#	100.0#	0#	-1.59#
9 TMP Trichlorofluoromethane	0.910	0.000#	100.0#	0#	-1.77#
10 TMP 2-Propanol	0.000	0.000	0.0	0#	-2.43#
11 TMP Acetone	0.046	0.000#	100.0#	0#	-2.25#
12 TMP 1,1-Dichloroethene	0.262	0.320	-22.1#	103	0.00
13 TMP Hexane	0.408	0.000#	100.0#	0#	-3.05#
14 TMP Methylene chloride	0.307	0.000#	100.0#	0#	-2.60#
15 TMP t-Butyl alcohol (TBA)	0.034	0.000#	100.0#	0#	-2.72#
16 TMP Methyl t-butyl ether (MTBE)	0.698	0.624	10.6	100	0.00
17 TMP trans-1,2-Dichloroethene	0.296	0.000#	100.0#	0#	-2.82#
18 TMP Diisopropyl ether (DIPE)	0.862	0.000#	100.0#	0#	-3.23#
19 TMP 1,1-Dichloroethane	0.527	0.542	-2.8	100	0.00
20 TMP Ethyl t-butyl ether (ETBE)	0.290	0.000#	100.0#	0#	-3.54#
21 TMP 2,2-Dichloropropane	0.356	0.000#	100.0#	0#	-3.66#
22 TMP cis-1,2-Dichloroethene	0.316	0.000#	100.0#	0#	-3.66#
23 TMP Chloroform	0.496	0.000#	100.0#	0#	-3.94#
24 TMP 2-Butanone (MEK)	0.170	0.000#	100.0#	0#	-3.70#
25 TMP t-Amyl methyl ether (TAME)	0.673	0.000#	100.0#	0#	-4.49#
26 TMP 1,2-Dichloroethane (EDC)	0.375	0.000#	100.0#	0#	-4.41#
27 TMP 1,1,1-Trichloroethane	0.428	0.000#	100.0#	0#	-4.08#
28 TMP 1,1-Dichloropropene	0.346	0.000#	100.0#	0#	-4.22#
29 TMP Carbon tetrachloride	0.372	0.000#	100.0#	0#	-4.21#
30 S 1,2-Dichloroethane-d4	0.063	0.063	0.0	100	0.00
31 TMP Benzene	1.078	0.000#	100.0#	0#	-4.38#
32 TMP Trichloroethene	0.311	0.435	-39.9#	100	0.00
33 TMP 1,2-Dichloropropane	0.266	0.000#	100.0#	0#	-5.13#
34 TMP Bromodichloromethane	0.319	0.000#	100.0#	0#	-5.37#
35 S Toluene-d8	0.888	0.882	0.7	100	0.00
36 TMP Dibromomethane	0.162	0.000#	100.0#	0#	-5.23#
37 TMP 4-Methyl-2-pentanone	0.045	0.000#	100.0#	0#	-5.91#
38 TMP cis-1,3-Dichloropropene	0.364	0.000#	100.0#	0#	-5.75#
39 I Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40 TMP Toluene	0.869	0.000#	100.0#	0#	-6.03#
41 TMP trans-1,3-Dichloropropene	0.405	0.000#	100.0#	0#	-6.25#
42 TMP 1,1,2-Trichloroethane	0.260	0.000#	100.0#	0#	-6.40#
43 TMP 2-Hexanone	0.268	0.000#	100.0#	0#	-6.64#

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110320.D
 Acq On : 03 Nov 2022 02:10 pm
 Operator : LM
 Sample : 0.02 ppb 8260 ICAL 67-177F
 Misc : soil/water
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 12:42:29 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 12:40:01 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.430	0.000#	100.0#	0#	-6.55#
45 TMP Tetrachloroethene	0.406	0.000#	100.0#	0#	-6.51#
46 TMP Dibromochloromethane	0.344	0.000#	100.0#	0#	-6.75#
47 TMP 1,2-Dibromoethane (EDB)	0.317	0.000#	100.0#	0#	-6.85#
48 TMP Chlorobenzene	0.922	0.000#	100.0#	0#	-7.29#
49 TMP Ethylbenzene	1.605	2.081	-29.7#	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.356	0.000#	100.0#	0#	-7.38#
51 TMP m,p-Xylene	0.626	0.809	-29.2#	100	0.00
52 TMP o-Xylene	0.622	0.763	-22.7#	100	0.00
53 TMP Styrene	0.907	0.000#	100.0#	0#	-7.90#
54 TMP Isopropylbenzene	1.561	0.000#	100.0#	0#	-8.23#
55 TMP Bromoform	0.258	0.000#	100.0#	0#	-8.07#
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	0.748	0.000	100.0#	0#	-8.38#
58 TMP n-Propylbenzene	3.027	0.000#	100.0#	0#	-8.62#
59 TMP Bromobenzene	0.740	0.000#	100.0#	0#	-8.51#
60 TMP 1,3,5-Trimethylbenzene	2.224	0.000#	100.0#	0#	-8.79#
61 TMP 1,1,2,2-Tetrachloroethane	0.717	0.000#	100.0#	0#	-8.53#
62 TMP 1,2,3-Trichloropropane	0.549	0.000#	100.0#	0#	-8.56#
63 TMP 2-Chlorotoluene	1.828	0.000#	100.0#	0#	-8.70#
64 TMP 4-Chlorotoluene	1.994	0.000#	100.0#	0#	-8.80#
65 TMP tert-Butylbenzene	1.953	0.000#	100.0#	0#	-9.10#
66 TMP 1,2,4-Trimethylbenzene	2.250	0.000#	100.0#	0#	-9.15#
67 TMP sec-Butylbenzene	2.892	0.000#	100.0#	0#	-9.31#
68 TMP p-Isopropyltoluene	2.502	0.000#	100.0#	0#	-9.46#
69 TMP 1,3-Dichlorobenzene	1.434	0.000#	100.0#	0#	-9.42#
70 TMP 1,4-Dichlorobenzene	1.430	0.000#	100.0#	0#	-9.50#
71 TMP 1,2-Dichlorobenzene	1.428	0.000#	100.0#	0#	-9.86#
72 TMP 1,2-Dibromo-3-chloropropane	0.145	0.000#	100.0#	0#	-10.63#
73 TMP 1,2,4-Trichlorobenzene	1.063	0.000#	100.0#	0#	-11.44#
74 TMP Hexachlorobutadiene	0.623	0.000#	100.0#	0#	-11.61#
75 TMP Naphthalene	2.362	0.000#	100.0#	0#	-11.68#
76 TMP 1,2,3-Trichlorobenzene	0.987	0.000#	100.0#	0#	-11.92#

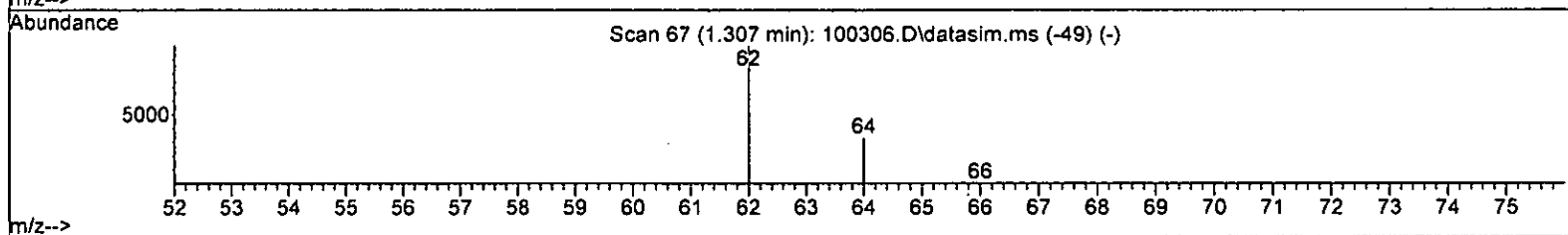
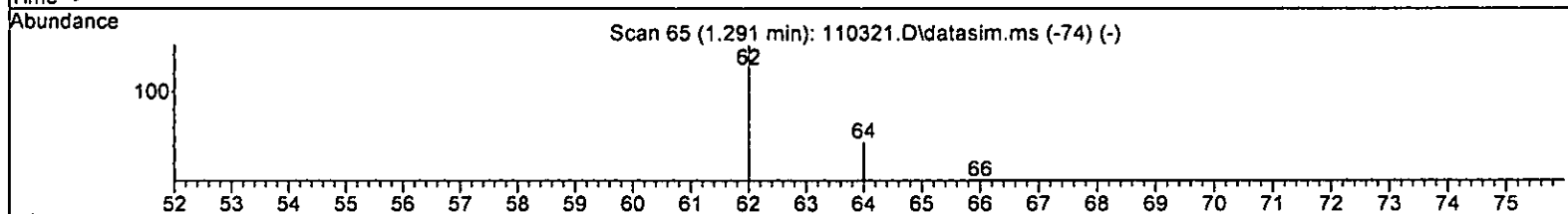
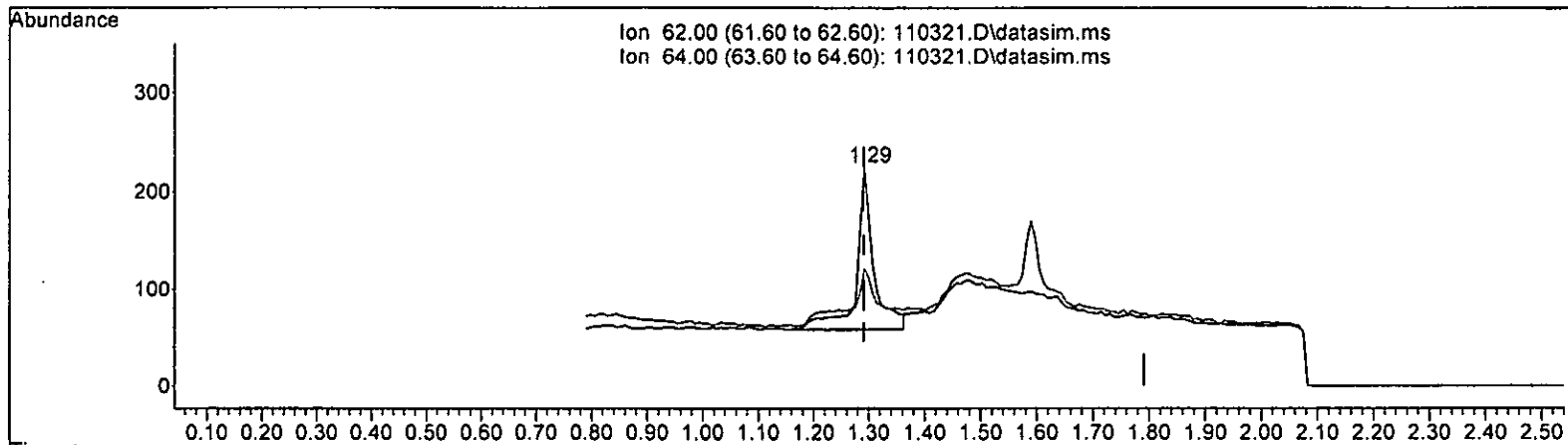
(#) = Out of Range

SPCC's out = 60 CCC's out = 0

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110321.D
 Acq On : 03 Nov 2022 02:32 pm
 Operator : LM
 Sample : 0.04 ppb 8260 ICAL 67-177G
 Misc : soil/water
 ALS Vial : 11 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 13:03:16 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M



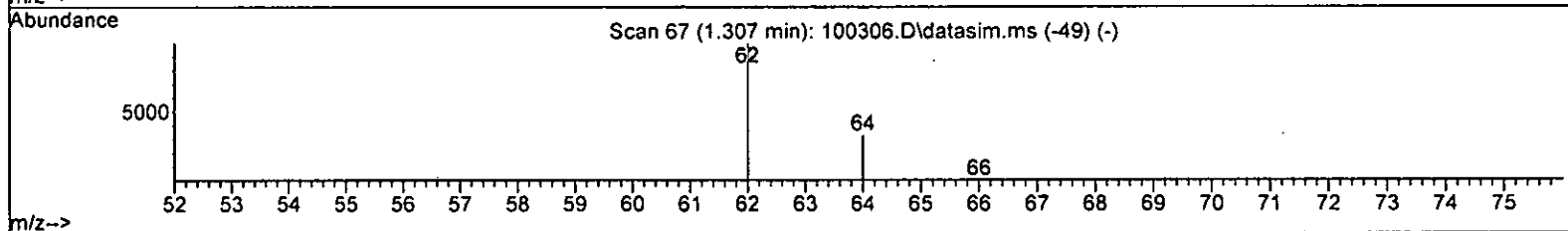
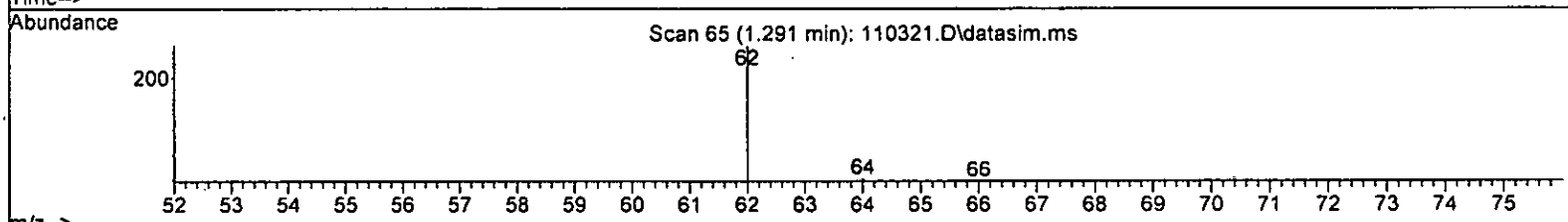
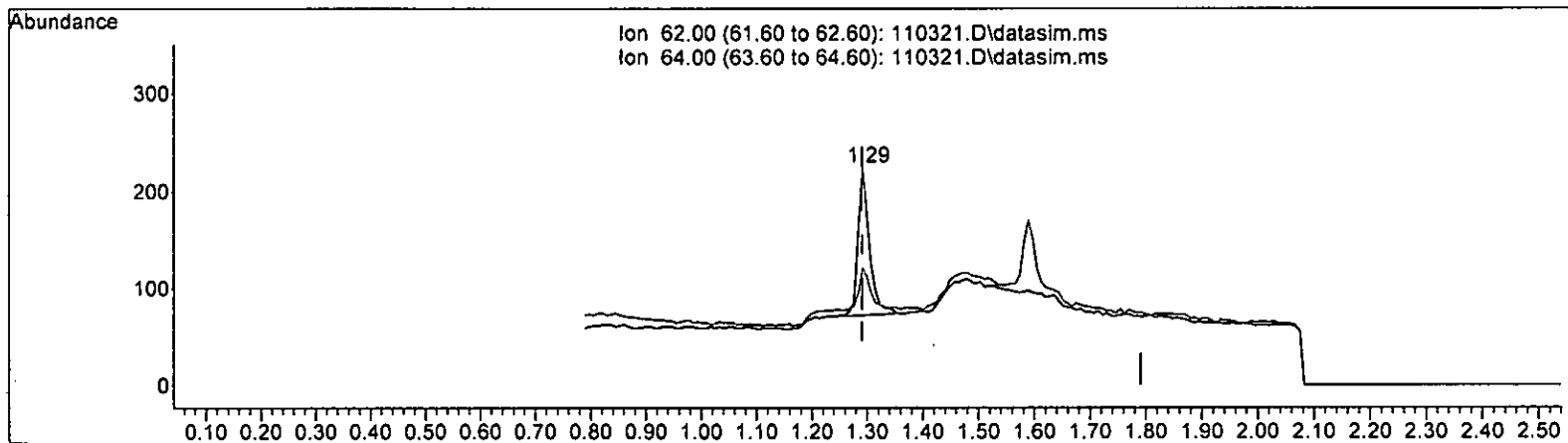
TIC: 110321.D\data.ms

(6) Vinyl chloride (TMP)		
1.291min (+ 0.000)	0.074 ppb	
response	365	
Ion	Exp%	Act%
62.00	100.00	100.00
64.00	32.40	34.73
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110321.D
 Acq On : 03 Nov 2022 02:32 pm
 Operator : LM
 Sample : 0.04 ppb 8260 ICAL 67-177G
 Misc : soil/water
 ALS Vial : 11 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 13:03:16 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M



TIC: 110321.D\data.ms

(6) Vinyl chloride (TMP)

1.291min (+ 0.000) 0.044 ppb m

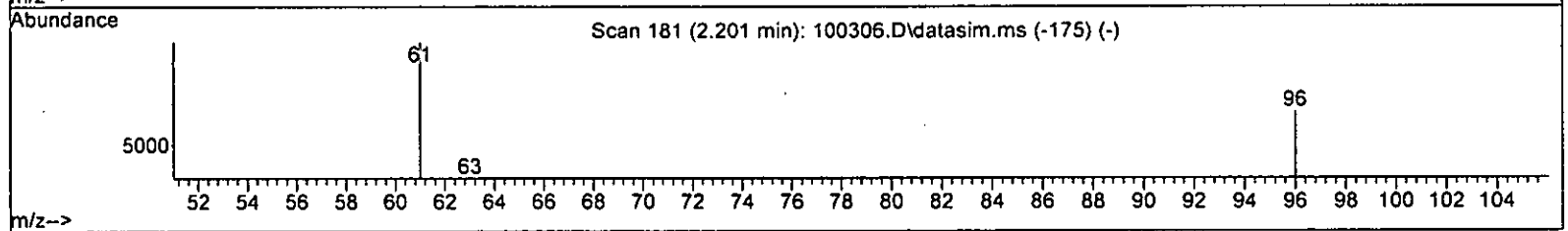
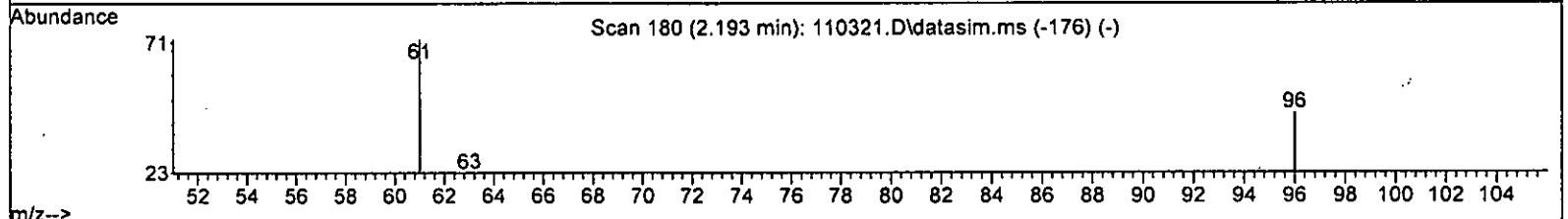
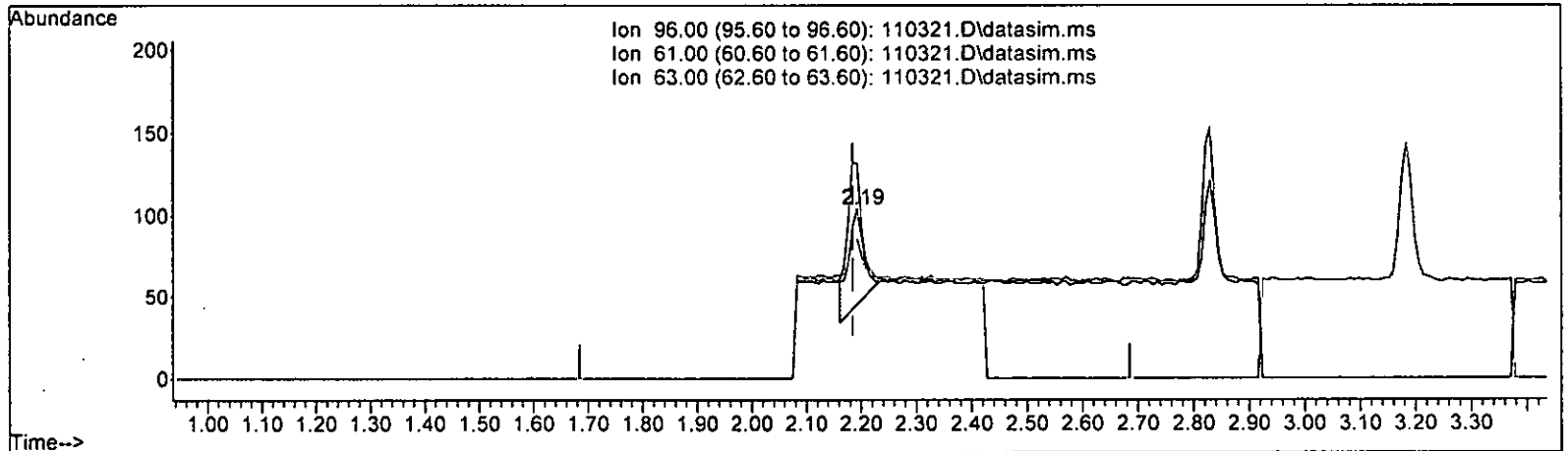
response 217

Ion	Exp%	Act%
62.00	100.00	100.00
64.00	32.40	53.78
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110321.D
 Acq On : 03 Nov 2022 02:32 pm
 Operator : LM
 Sample : 0.04 ppb 8260 ICAL 67-177G
 Misc : soil/water
 ALS Vial : 11 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 13:03:16 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M



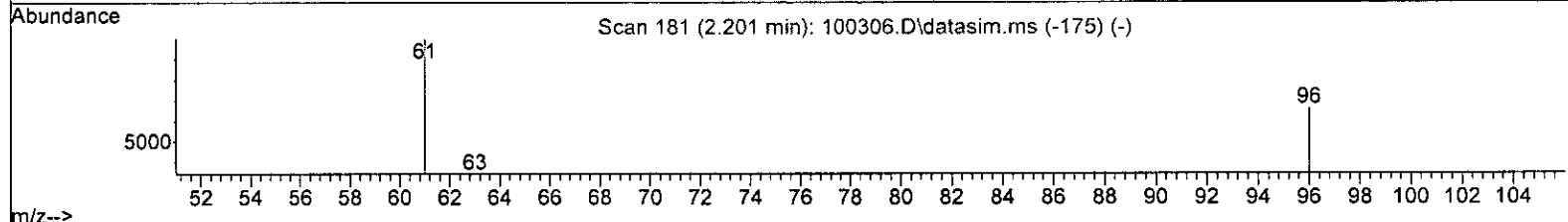
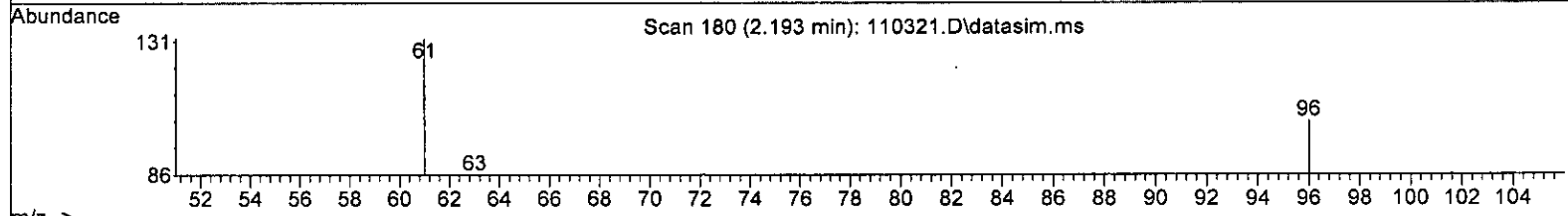
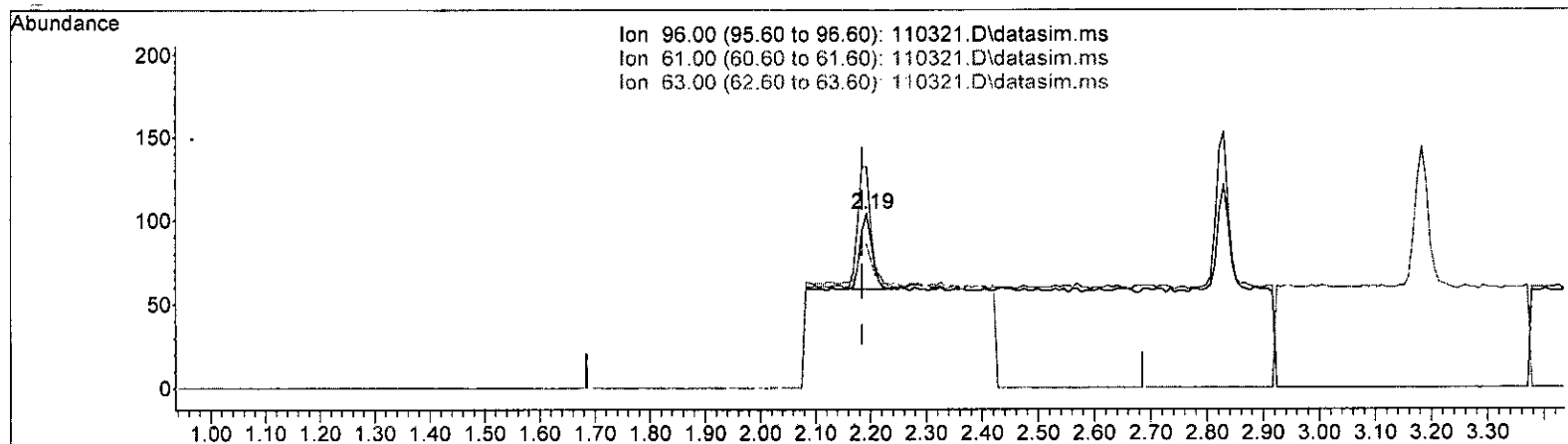
TIC: 110321.D\data.ms

(12) 1,1-Dichloroethene (TMP)		
2.193min (+ 0.008) 0.076 ppb		
response	118	
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	155.80	160.00
63.00	52.50	53.33
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110321.D
 Acq On : 03 Nov 2022 02:32 pm
 Operator : LM
 Sample : 0.04 ppb 8260 ICAL 67-177G
 Misc : soil/water
 ALS Vial : 11 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 13:03:16 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M



TIC: 110321.D\data.ms

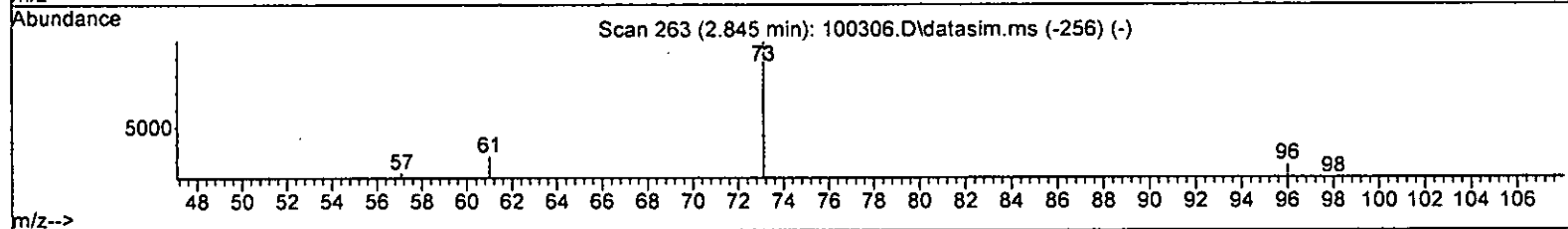
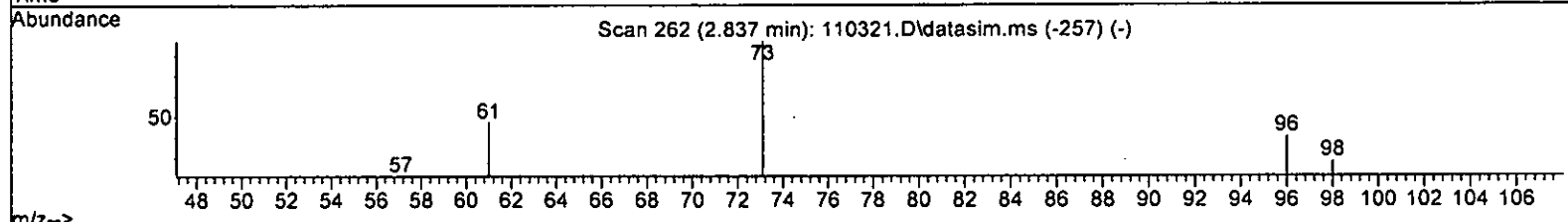
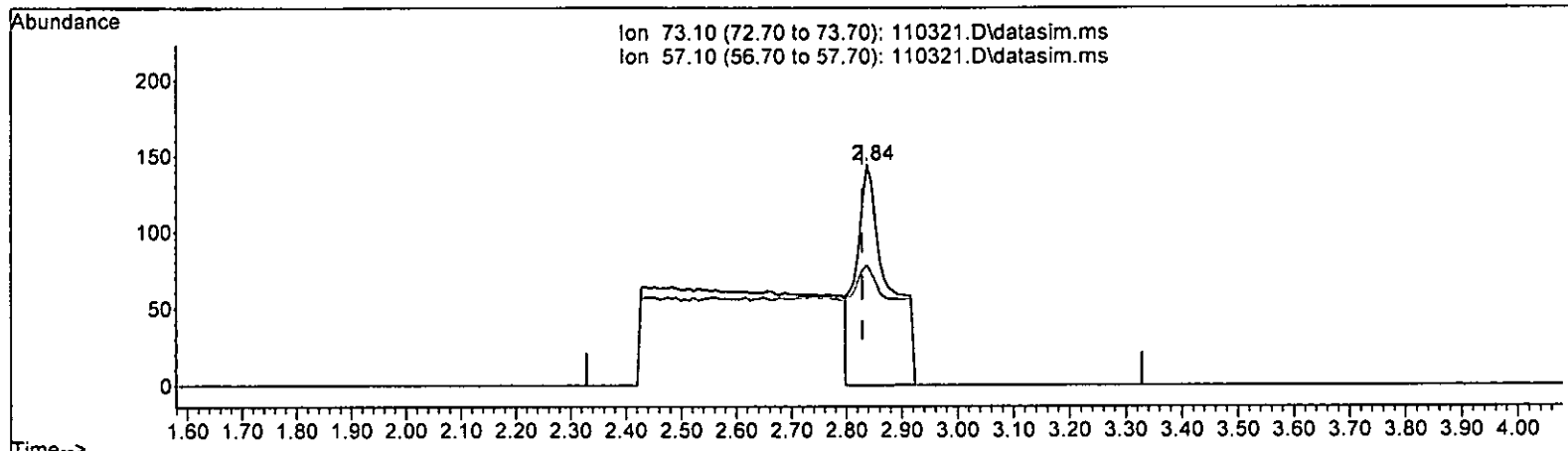
(12) 1,1-Dichloroethene (TMP)
 2.193min (+ 0.008) 0.042 ppb m
 response 65

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	155.80	126.92
63.00	52.50	82.69#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110321.D
 Acq On : 03 Nov 2022 02:32 pm
 Operator : LM
 Sample : 0.04 ppb 8260 ICAL 67-177G
 Misc : soil/water
 ALS Vial : 11 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 13:03:16 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M



TIC: 110321.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

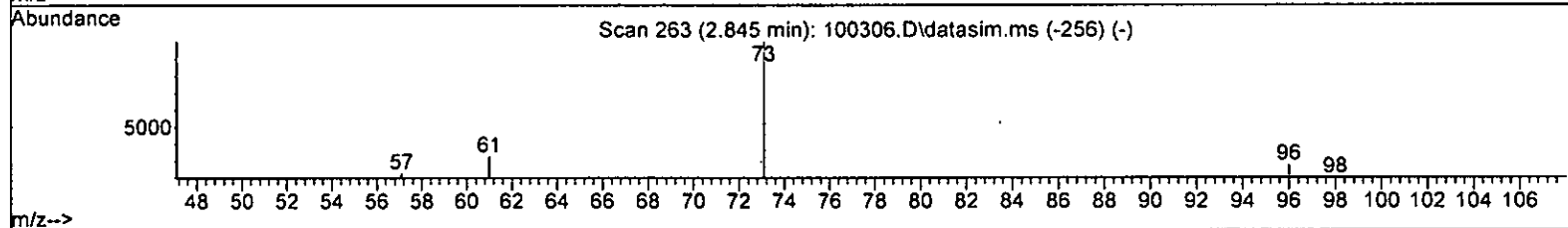
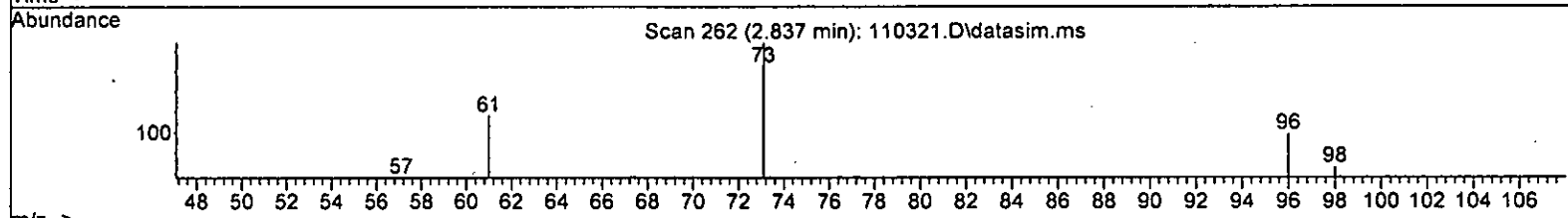
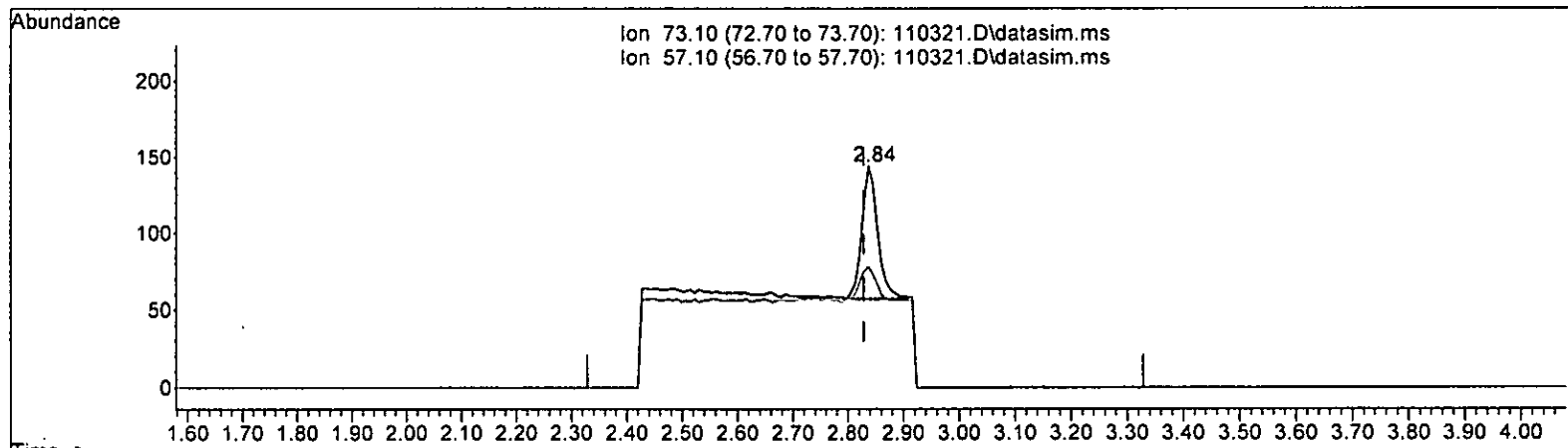
2.837min (+ 0.008) 0.139 ppb

response	575	
Ion	Exp%	Act%
73.10	100.00	100.00
57.10	23.10	54.17#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110321.D
 Acq On : 03 Nov 2022 02:32 pm
 Operator : LM
 Sample : 0.04 ppb 8260 ICAL 67-177G
 Misc : soil/water
 ALS Vial : 11 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 13:03:16 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M



TIC: 110321.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

2.837min (+ 0.008) 0.041 ppb m

response 171

Ion	Exp%	Act%
73.10	100.00	100.00
57.10	23.10	54.17#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110321.D
 Acq On : 03 Nov 2022 02:32 pm
 Operator : LM
 Sample : 0.04 ppb 8260 ICAL 67-177G
 Misc : soil/water
 ALS Vial : 11 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 13:03:16 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	4.63	96	59193	10.000	ppb	0.00	
39) Chlorobenzene-d5	7.27	117	42331	10.000	ppb	0.00	
56) 1,4-Dichlorobenzene-d4	9.48	152	24877	10.000	ppb	0.00	
System Monitoring Compounds							
3) Dibromofluoromethane	4.08	113	16731	9.982	ppb	0.00	
Spiked Amount	10.000	Range 50 - 150	Recovery =	99.80%			
30) 1,2-Dichloroethane-d4	4.35	102	3831	10.272	ppb	0.00	
Spiked Amount	10.000	Range 79 - 128	Recovery =	102.70%			
35) Toluene-d8	5.98	98	51885	9.874	ppb	0.00	
Spiked Amount	10.000	Range 84 - 121	Recovery =	98.70%			
57) 4-Bromofluorobenzene	8.38	95	18795	10.103	ppb	0.00	
Spiked Amount	10.000	Range 84 - 116	Recovery =	101.00%			
Target Compounds							
							Qvalue
2) Ethanol	0.00		0	N.D.			
4) Dichlorodifluoromethane	0.00		0	N.D.	d		
5) Chloromethane	0.00		0	N.D.	d		
6] Vinyl chloride	1.29	62	217m	0.044	ppb		
7) Bromomethane	0.00		0	N.D.	d		
8) Chloroethane	0.00		0	N.D.	d		
9) Trichlorofluoromethane	0.00		0	N.D.	d		
10) 2-Propanol	0.00		0	N.D.			
11) Acetone	0.00		0	N.D.	d		
12] 1,1-Dichloroethene	2.19	96	65m	0.042	ppb		
13) Hexane	0.00		0	N.D.	d		
14) Methylene chloride	0.00		0	N.D.	d		
15) t-Butyl alcohol (TBA)	0.00		0	N.D.			
16] Methyl t-butyl ether (...)	2.84	73	171m	0.041	ppb		
17] trans-1,2-Dichloroethene	2.83	96	91	0.052	ppb		95
18) Diisopropyl ether (DIPE)	0.00		0	N.D.	d		
19] 1,1-Dichloroethane	3.18	63	139	0.045	ppb		98
20) Ethyl t-butyl ether (E...)	0.00		0	N.D.			
21) 2,2-Dichloropropane	0.00		0	N.D.	d		
22] cis-1,2-Dichloroethene	3.67	96	93	0.050	ppb		95
23) Chloroform	0.00		0	N.D.	d		
24) 2-Butanone (MEK)	0.00		0	N.D.	d		
25) t-Amyl methyl ether (T...)	0.00		0	N.D.	d		
26) 1,2-Dichloroethane (EDC)	0.00		0	N.D.	d		
27] 1,1,1-Trichloroethane	4.08	97	109	0.043	ppb		93
28) 1,1-Dichloropropene	0.00		0	N.D.	d		
29) Carbon tetrachloride	0.00		0	N.D.			
31] Benzene	4.38	78	389	0.044	ppb		93
32] Trichloroethene	4.93	95	92	0.050	ppb		91
33) 1,2-Dichloropropane	0.00		0	N.D.			
34) Bromodichloromethane	0.00		0	N.D.			
36) Dibromomethane	0.00		0	N.D.			

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110321.D
 Acq On : 03 Nov 2022 02:32 pm
 Operator : LM
 Sample : 0.04 ppb 8260 ICAL 67-177G
 Misc : soil/water
 ALS Vial : 11 Sample Multiplier: 1
 InstName : GCMS11

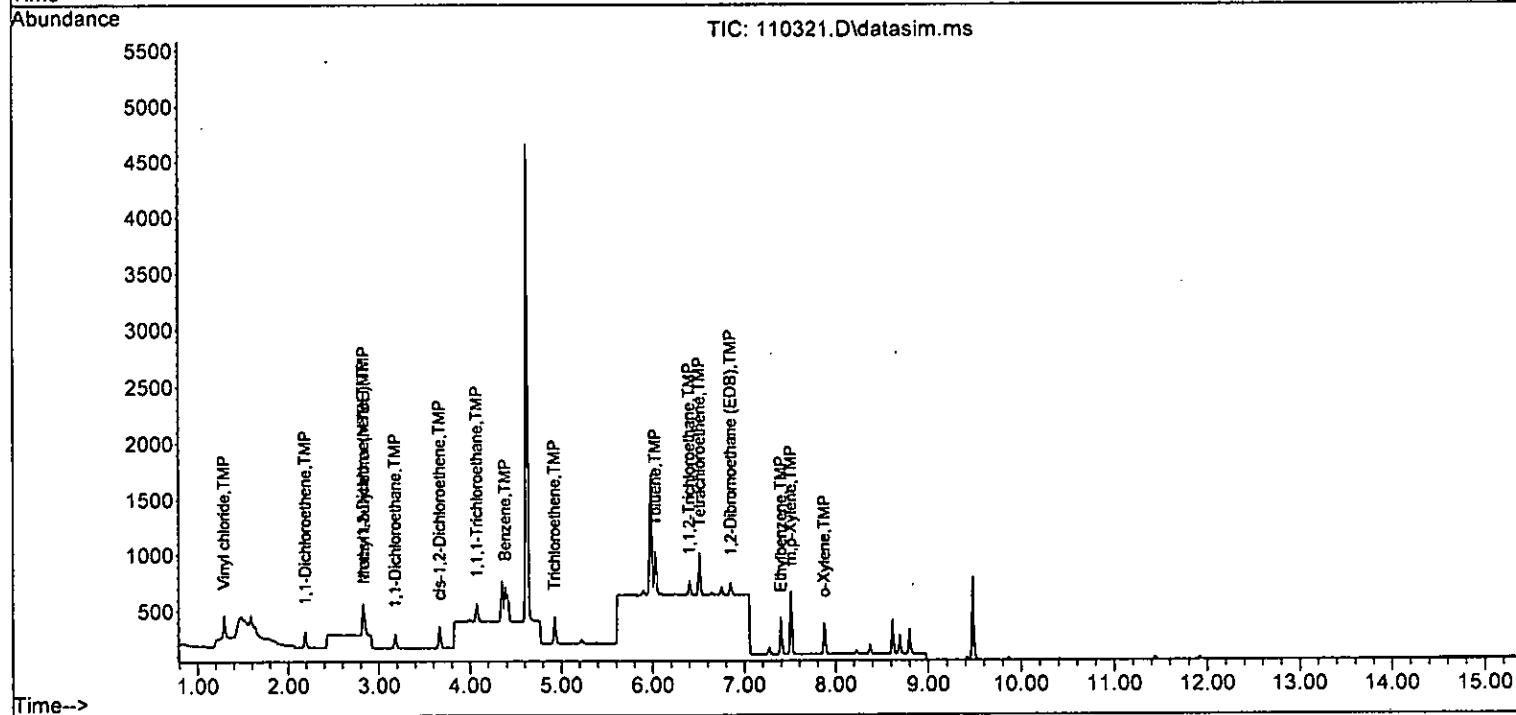
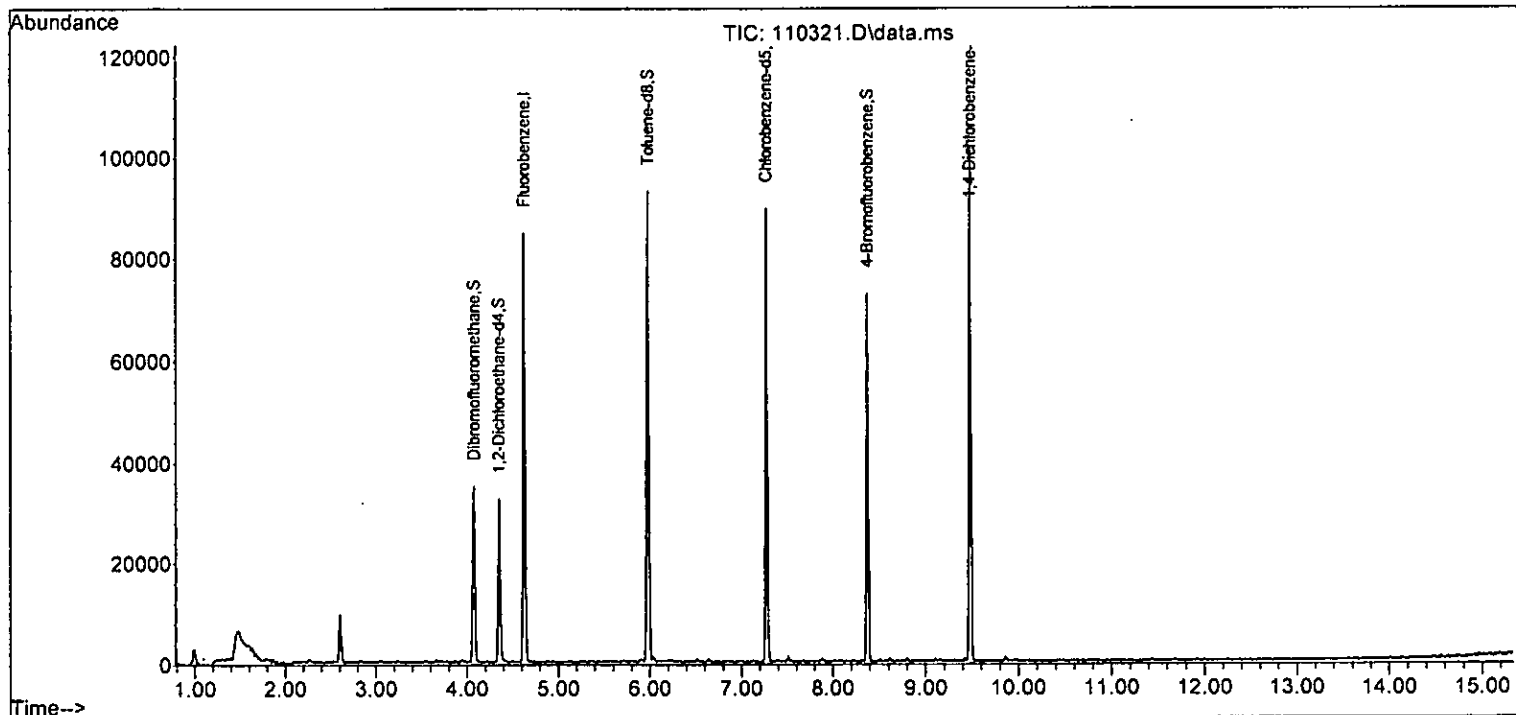
Quant Time: Nov 07 13:03:16 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.00		0		N.D.	
38) cis-1,3-Dichloropropene	0.00		0		N.D. d	
40] Toluene	6.03	92	213	0.058	ppb	90
41) trans-1,3-Dichloropropene	0.00		0		N.D. d	
42] 1,1,2-Trichloroethane	6.40	83	69	0.038	ppb	94
43) 2-Hexanone	0.00		0		N.D. d	
44) 1,3-Dichloropropane	0.00		0		N.D. d	
45] Tetrachloroethene	6.51	164	135	0.037	ppb	95
46) Dibromochloromethane	0.00		0		N.D.	
47] 1,2-Dibromoethane (EOB)	6.85	107	78	0.058	ppb	95
48) Chlorobenzene	0.00		0		N.D. d	
49] Ethylbenzene	7.40	91	335	0.049	ppb	91
50) 1,1,1,2-Tetrachloroethane	0.00		0		N.D.	
51] m,p-Xylene	7.51	106	263	0.099	ppb	80
52] o-Xylene	7.88	106	124	0.047	ppb	80
53) Styrene	0.00		0		N.D. d	
54) Isopropylbenzene	0.00		0		N.D. d	
55) Bromoform	0.00		0		N.D.	
58) n-Propylbenzene	0.00		0		N.D. d	
59) Bromobenzene	0.00		0		N.D.	
60) 1,3,5-Trimethylbenzene	0.00		0		N.D. d	
61) 1,1,2,2-Tetrachloroethane	0.00		0		N.D.	
62) 1,2,3-Trichloropropane	0.00		0		N.D. d	
63) 2-Chlorotoluene	0.00		0		N.D. d	
64) 4-Chlorotoluene	0.00		0		N.D. d	
65) tert-Butylbenzene	0.00		0		N.D. d	
66) 1,2,4-Trimethylbenzene	0.00		0		N.D. d	
67) sec-Butylbenzene	0.00		0		N.D. d	
68) p-Isopropyltoluene	0.00		0		N.D. d	
69) 1,3-Dichlorobenzene	0.00		0		N.D. d	
70) 1,4-Dichlorobenzene	0.00		0		N.D. d	
71) 1,2-Dichlorobenzene	0.00		0		N.D. d	
72) 1,2-Dibromo-3-chloropr...	0.00		0		N.D.	
73) 1,2,4-Trichlorobenzene	0.00		0		N.D. d	
74) Hexachlorobutadiene	0.00		0		N.D.	
75) Naphthalene	0.00		0		N.D. d	
76) 1,2,3-Trichlorobenzene	0.00		0		N.D. d	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110321.D
 Acq On : 03 Nov 2022 02:32 pm
 Operator : LM
 Sample : 0.04 ppb 8260 ICAL 67-177G
 Misc : soil/water
 ALS Vial : 11 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 13:03:16 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M



Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110321.D
 Acq On : 03 Nov 2022 02:32 pm
 Operator : LM
 Sample : 0.04 ppb 8260 ICAL 67-177G
 Misc : soil/water
 ALS Vial : 11 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 13:03:16 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2 TMP	Ethanol	-1.000	0.000	0.0	0	-1.86#
3 S	Dibromofluoromethane	10.000	9.982	0.2	100	0.00
4 TMP	Dichlorodifluoromethane	-1.000	0.000	0.0	0	-1.09#
5 TMP	Chloromethane	-1.000	0.000	0.0	0	-1.22#
6 TMP	Vinyl chloride	0.040	0.044	-10.0	97	0.00
7 TMP	Bromomethane	-1.000	0.000	0.0	0	-1.52#
8 TMP	Chloroethane	-1.000	0.000	0.0	0	-1.59#
9 TMP	Trichlorofluoromethane	-1.000	0.000	0.0	0	-1.77#
10 TMP	2-Propanol	-1.000	0.000	0.0	0	-2.43#
11 TMP	Acetone	-1.000	0.000	0.0	0	-2.25#
12 TMP	1,1-Dichloroethene	0.040	0.042	-5.0	96	0.00
13 TMP	Hexane	-1.000	0.000	0.0	0	-3.05#
14 TMP	Methylene chloride	-1.000	0.000	0.0	0	-2.60#
15 TMP	t-Butyl alcohol (TBA)	-1.000	0.000	0.0	0	-2.72#
16 TMP	Methyl t-butyl ether (MTBE)	0.040	0.041	-2.5	106	0.00
17 TMP	trans-1,2-Dichloroethene	0.040	0.052	-30.0#	100	0.00
18 TMP	Diisopropyl ether (DIPE)	-1.000	0.000	0.0	0	-3.23#
19 TMP	1,1-Dichloroethane	0.040	0.045	-12.5	100	0.00
20 TMP	Ethyl t-butyl ether (ETBE)	-1.000	0.000	0.0	0	-3.54#
21 TMP	2,2-Dichloropropane	-1.000	0.000	0.0	0	-3.66#
22 TMP	cis-1,2-Dichloroethene	0.040	0.050	-25.0#	100	0.00
23 TMP	Chloroform	-1.000	0.000	0.0	0	-3.94#
24 TMP	2-Butanone (MEK)	-1.000	0.000	0.0	0	-3.70#
25 TMP	t-Amyl methyl ether (TAME)	-1.000	0.000	0.0	0	-4.49#
26 TMP	1,2-Dichloroethane (EDC)	0.040	0.000	100.0#	0	-4.41#
27 TMP	1,1,1-Trichloroethane	0.040	0.043	-7.5	100	0.00
28 TMP	1,1-Dichloropropene	-1.000	0.000	0.0	0	-4.22#
29 TMP	Carbon tetrachloride	-1.000	0.000	0.0	0	-4.21#
30 S	1,2-Dichloroethane-d4	10.000	10.272	-2.7	100	0.00
31 TMP	Benzene	0.040	0.044	-10.0	100	0.00
32 TMP	Trichloroethene	0.040	0.050	-25.0#	100	0.00
33 TMP	1,2-Dichloropropane	-1.000	0.000	0.0	0	-5.13#
34 TMP	Bromodichloromethane	-1.000	0.000	0.0	0	-5.37#
35 S	Toluene-d8	10.000	9.874	1.3	100	0.00
36 TMP	Dibromomethane	-1.000	0.000	0.0	0	-5.23#
37 TMP	4-Methyl-2-pentanone	-1.000	0.000	0.0	0	-5.91#
38 TMP	cis-1,3-Dichloropropene	-1.000	0.000	0.0	0	-5.75#
39 I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40 TMP	Toluene	0.040	0.058	-45.0#	100	0.00
41 TMP	trans-1,3-Dichloropropene	-1.000	0.000	0.0	0	-6.25#
42 TMP	1,1,2-Trichloroethane	0.040	0.038	5.0	100	0.00
43 TMP	2-Hexanone	-1.000	0.000	0.0	0	-6.64#

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110321.D
 Acq On : 03 Nov 2022 02:32 pm
 Operator : LM
 Sample : 0.04 ppb 8260 ICAL 67-177G
 Misc : soil/water
 ALS Vial : 11 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 13:03:16 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	-1.000	0.000	0.0	0	-6.55#
45 TMP Tetrachloroethene	0.040	0.037	7.5	100	0.00
46 TMP Dibromochloromethane	-1.000	0.000	0.0	0	-6.75#
47 TMP 1,2-Dibromoethane (EDB)	0.040	0.058	-45.0#	100	0.00
48 TMP Chlorobenzene	-1.000	0.000	0.0	0	-7.29#
49 TMP Ethylbenzene	0.040	0.049	-22.5#	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	-1.000	0.000	0.0	0	-7.38#
51 TMP m,p-Xylene	0.080	0.099	-23.8#	100	0.00
52 TMP o-Xylene	0.040	0.047	-17.5	100	0.00
53 TMP Styrene	-1.000	0.000	0.0	0	-7.90#
54 TMP Isopropylbenzene	-1.000	0.000	0.0	0	-8.23#
55 TMP Bromoform	-1.000	0.000	0.0	0	-8.07#
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	10.000	10.103	-1.0	100	0.00
58 TMP n-Propylbenzene	-1.000	0.000	0.0	0	-8.62#
59 TMP Bromobenzene	-1.000	0.000	0.0	0	-8.51#
60 TMP 1,3,5-Trimethylbenzene	-1.000	0.000	0.0	0	-8.79#
61 TMP 1,1,2,2-Tetrachloroethane	-1.000	0.000	0.0	0	-8.53#
62 TMP 1,2,3-Trichloropropane	-1.000	0.000	0.0	0	-8.56#
63 TMP 2-Chlorotoluene	-1.000	0.000	0.0	0	-8.70#
64 TMP 4-Chlorotoluene	-1.000	0.000	0.0	0	-8.80#
65 TMP tert-Butylbenzene	-1.000	0.000	0.0	0	-9.10#
66 TMP 1,2,4-Trimethylbenzene	-1.000	0.000	0.0	0	-9.15#
67 TMP sec-Butylbenzene	-1.000	0.000	0.0	0	-9.31#
68 TMP p-Isopropyltoluene	-1.000	0.000	0.0	0	-9.46#
69 TMP 1,3-Dichlorobenzene	-1.000	0.000	0.0	0	-9.42#
70 TMP 1,4-Dichlorobenzene	-1.000	0.000	0.0	0	-9.50#
71 TMP 1,2-Dichlorobenzene	-1.000	0.000	0.0	0	-9.86#
72 TMP 1,2-Dibromo-3-chloropropane	-1.000	0.000	0.0	0	-10.63#
73 TMP 1,2,4-Trichlorobenzene	-1.000	0.000	0.0	0	-11.44#
74 TMP Hexachlorobutadiene	-1.000	0.000	0.0	0	-11.61#
75 TMP Naphthalene	-1.000	0.000	0.0	0	-11.68#
76 TMP 1,2,3-Trichlorobenzene	-1.000	0.000	0.0	0	-11.92#

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110321.D
 Acq On : 03 Nov 2022 02:32 pm
 Operator : LM
 Sample : 0.04 ppb 8260 ICAL 67-177G
 Misc : soil/water
 ALS Vial : 11 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 13:03:16 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I Fluorobenzene	1.000	1.000	0.0	100	0.00
2 TMP Ethanol	0.000	0.000#	0.0	0#	-1.86#
3 S Dibromofluoromethane	0.283	0.283	0.0	100	0.00
4 TMP Dichlorodifluoromethane	0.771	0.000#	100.0#	0#	-1.09#
5 TMP Chloromethane	0.937	0.000#	100.0#	0#	-1.22#
6 TMP Vinyl chloride	0.838	0.916	-9.3	97	0.00
7 TMP Bromomethane	0.490	0.000#	100.0#	0#	-1.52#
8 TMP Chloroethane	0.420	0.000#	100.0#	0#	-1.59#
9 TMP Trichlorofluoromethane	0.910	0.000#	100.0#	0#	-1.77#
10 TMP 2-Propanol	0.000	0.000	0.0	0#	-2.43#
11 TMP Acetone	0.046	0.000#	100.0#	0#	-2.25#
12 TMP 1,1-Dichloroethene	0.262	0.275	-5.0	96	0.00
13 TMP Hexane	0.408	0.000#	100.0#	0#	-3.05#
14 TMP Methylene chloride	0.307	0.000#	100.0#	0#	-2.60#
15 TMP t-Butyl alcohol (TBA)	0.034	0.000#	100.0#	0#	-2.72#
16 TMP Methyl t-butyl ether (MTBE)	0.698	0.722	-3.4	106	0.00
17 TMP trans-1,2-Dichloroethene	0.296	0.384	-29.7#	100	0.00
18 TMP Diisopropyl ether (DIPE)	0.862	0.000#	100.0#	0#	-3.23#
19 TMP 1,1-Dichloroethane	0.527	0.587	-11.4	100	0.00
20 TMP Ethyl t-butyl ether (ETBE)	0.290	0.000#	100.0#	0#	-3.54#
21 TMP 2,2-Dichloropropane	0.356	0.000#	100.0#	0#	-3.66#
22 TMP cis-1,2-Dichloroethene	0.316	0.393	-24.4#	100	0.00
23 TMP Chloroform	0.496	0.000#	100.0#	0#	-3.94#
24 TMP 2-Butanone (MEK)	0.170	0.000#	100.0#	0#	-3.70#
25 TMP t-Amyl methyl ether (TAME)	0.673	0.000#	100.0#	0#	-4.49#
26 TMP 1,2-Dichloroethane (EDC)	0.375	0.000#	100.0#	0#	-4.41#
27 TMP 1,1,1-Trichloroethane	0.428	0.460	-7.5	100	0.00
28 TMP 1,1-Dichloropropene	0.346	0.000#	100.0#	0#	-4.22#
29 TMP Carbon tetrachloride	0.372	0.000#	100.0#	0#	-4.21#
30 S 1,2-Dichloroethane-d4	0.063	0.065	-3.2	100	0.00
31 TMP Benzene	1.078	1.643	-52.4#	100	0.00
32 TMP Trichloroethene	0.311	0.389	-25.1#	100	0.00
33 TMP 1,2-Dichloropropane	0.266	0.000#	100.0#	0#	-5.13#
34 TMP Bromodichloromethane	0.319	0.000#	100.0#	0#	-5.37#
35 S Toluene-d8	0.888	0.877	1.2	100	0.00
36 TMP Dibromomethane	0.162	0.000#	100.0#	0#	-5.23#
37 TMP 4-Methyl-2-pentanone	0.045	0.000#	100.0#	0#	-5.91#
38 TMP cis-1,3-Dichloropropene	0.364	0.000#	100.0#	0#	-5.75#
39 I Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40 TMP Toluene	0.869	1.258	-44.8#	100	0.00
41 TMP trans-1,3-Dichloropropene	0.405	0.000#	100.0#	0#	-6.25#
42 TMP 1,1,2-Trichloroethane	0.260	0.408	-56.9#	100	0.00
43 TMP 2-Hexanone	0.268	0.000#	100.0#	0#	-6.64#

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110321.D
 Acq On : 03 Nov 2022 02:32 pm
 Operator : LM
 Sample : 0.04 ppb 8260 ICAL 67-177G
 Misc : soil/water
 ALS Vial : 11 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 13:03:16 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.430	0.000#	100.0#	0#	-6.55#
45 TMP Tetrachloroethene	0.406	0.797	-96.3#	100	0.00
46 TMP Dibromochloromethane	0.344	0.000#	100.0#	0#	-6.75#
47 TMP 1,2-Dibromoethane (EDB)	0.317	0.461	-45.4#	100	0.00
48 TMP Chlorobenzene	0.922	0.000#	100.0#	0#	-7.29#
49 TMP Ethylbenzene	1.605	1.978	-23.2#	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.356	0.000#	100.0#	0#	-7.38#
51 TMP m,p-Xylene	0.626	0.777	-24.1#	100	0.00
52 TMP o-Xylene	0.622	0.732	-17.7	100	0.00
53 TMP Styrene	0.907	0.000#	100.0#	0#	-7.90#
54 TMP Isopropylbenzene	1.561	0.000#	100.0#	0#	-8.23#
55 TMP Bromoform	0.258	0.000#	100.0#	0#	-8.07#
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	0.748	0.756	-1.1	100	0.00
58 TMP n-Propylbenzene	3.027	0.000#	100.0#	0#	-8.62#
59 TMP Bromobenzene	0.740	0.000#	100.0#	0#	-8.51#
60 TMP 1,3,5-Trimethylbenzene	2.224	0.000#	100.0#	0#	-8.79#
61 TMP 1,1,2,2-Tetrachloroethane	0.717	0.000#	100.0#	0#	-8.53#
62 TMP 1,2,3-Trichloropropane	0.549	0.000#	100.0#	0#	-8.56#
63 TMP 2-Chlorotoluene	1.828	0.000#	100.0#	0#	-8.70#
64 TMP 4-Chlorotoluene	1.994	0.000#	100.0#	0#	-8.80#
65 TMP tert-Butylbenzene	1.953	0.000#	100.0#	0#	-9.10#
66 TMP 1,2,4-Trimethylbenzene	2.250	0.000#	100.0#	0#	-9.15#
67 TMP sec-Butylbenzene	2.892	0.000#	100.0#	0#	-9.31#
68 TMP p-Isopropyltoluene	2.502	0.000#	100.0#	0#	-9.46#
69 TMP 1,3-Dichlorobenzene	1.434	0.000#	100.0#	0#	-9.42#
70 TMP 1,4-Dichlorobenzene	1.430	0.000#	100.0#	0#	-9.50#
71 TMP 1,2-Dichlorobenzene	1.428	0.000#	100.0#	0#	-9.86#
72 TMP 1,2-Dibromo-3-chloropropane	0.145	0.000#	100.0#	0#	-10.63#
73 TMP 1,2,4-Trichlorobenzene	1.063	0.000#	100.0#	0#	-11.44#
74 TMP Hexachlorobutadiene	0.623	0.000#	100.0#	0#	-11.61#
75 TMP Naphthalene	2.362	0.000#	100.0#	0#	-11.68#
76 TMP 1,2,3-Trichlorobenzene	0.987	0.000#	100.0#	0#	-11.92#

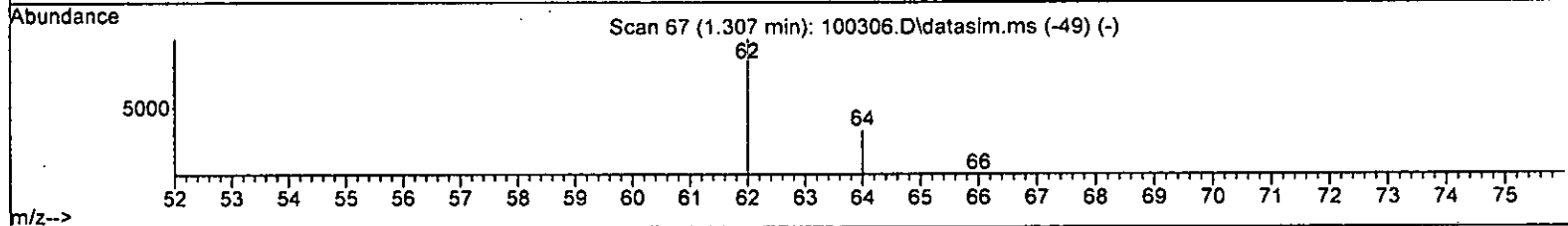
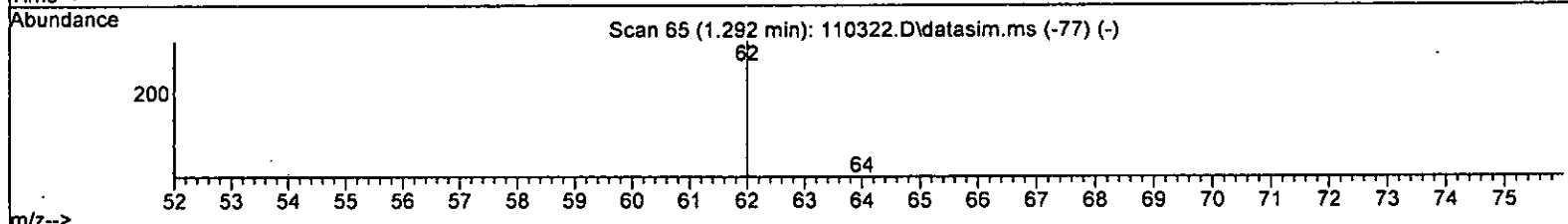
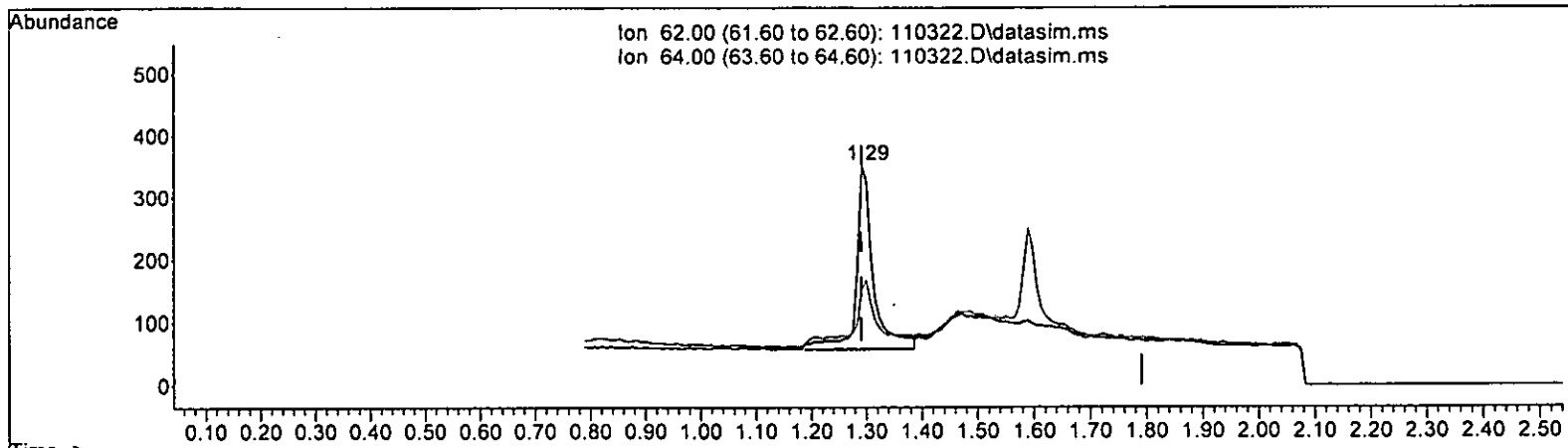
(#) = Out of Range

SPCC's out = 52 CCC's out = 0

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110322.D
 Acq On : 03 Nov 2022 02:54 pm
 Operator : LM
 Sample : 0.1 ppb 8260 ICAL 67-177H
 Misc : soil/water
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 13:09:29 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M



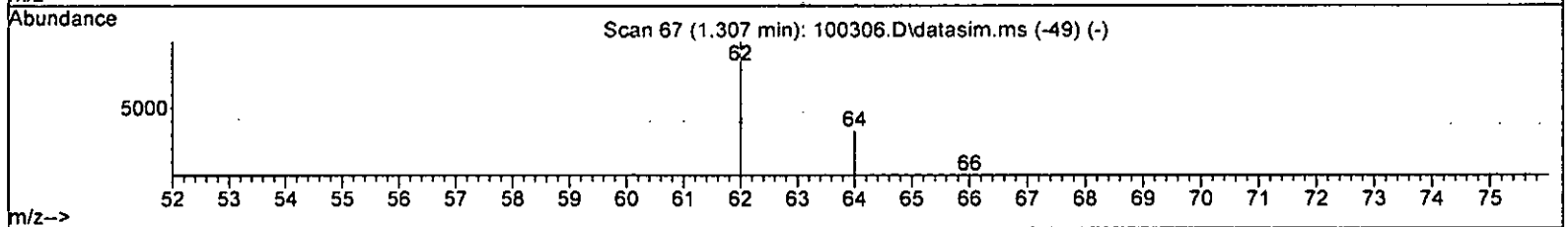
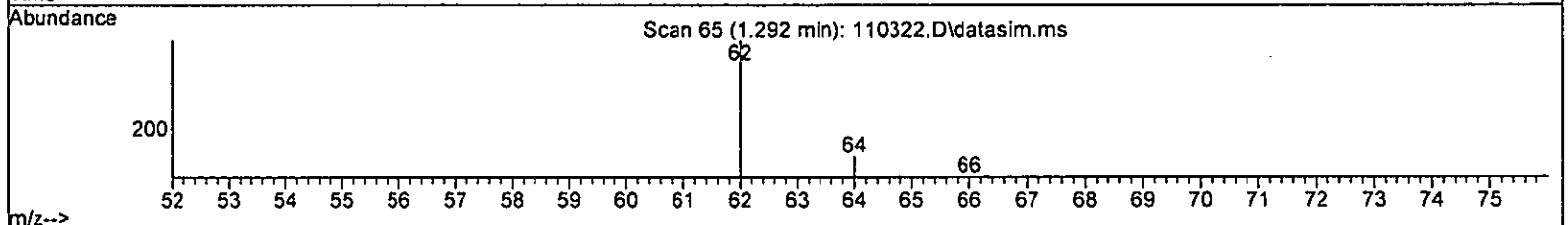
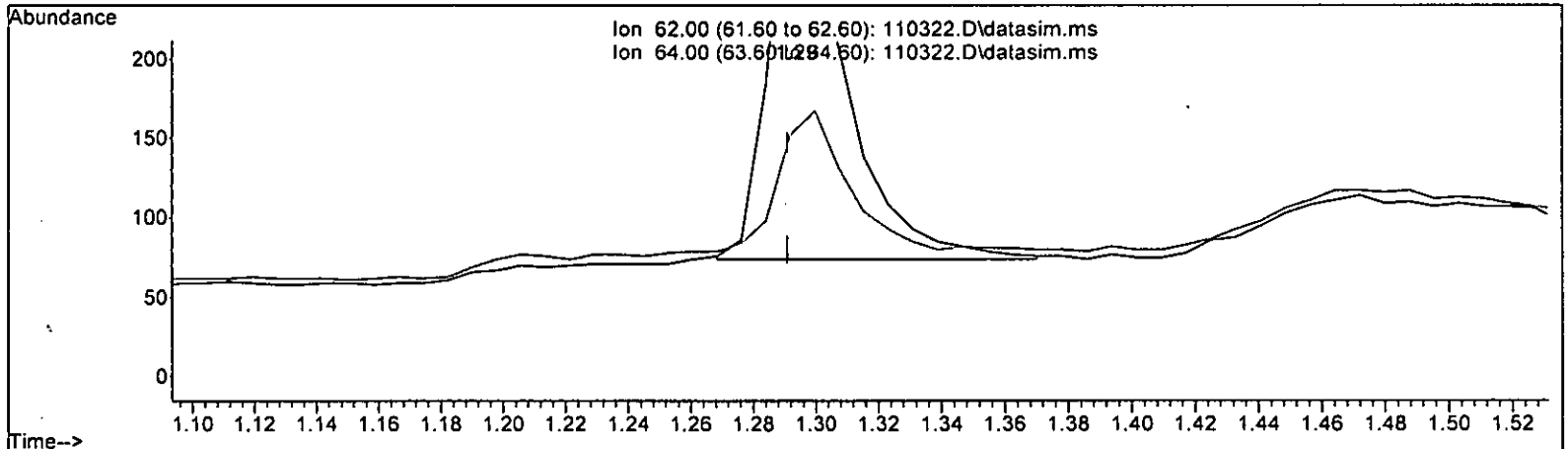
TIC: 110322.D\data.ms

(6) Vinyl chloride (TMP)		
1.292min (+ 0.001)	0.127 ppb	
response	618	
Ion	Exp%	Act%
62.00	100.00	100.00
64.00	32.40	30.51
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110322.D
 Acq On : 03 Nov 2022 02:54 pm
 Operator : LM
 Sample : 0.1 ppb 8260 ICAL 67-177H
 Misc : soil/water
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 13:09:29 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M



TIC: 110322.D\data.ms

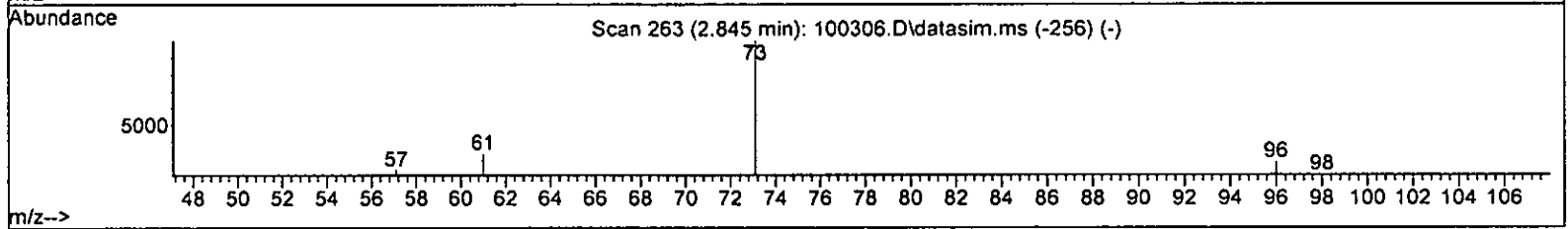
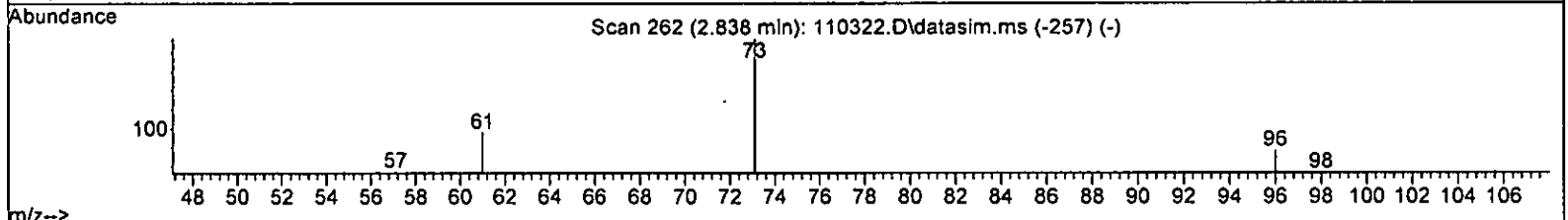
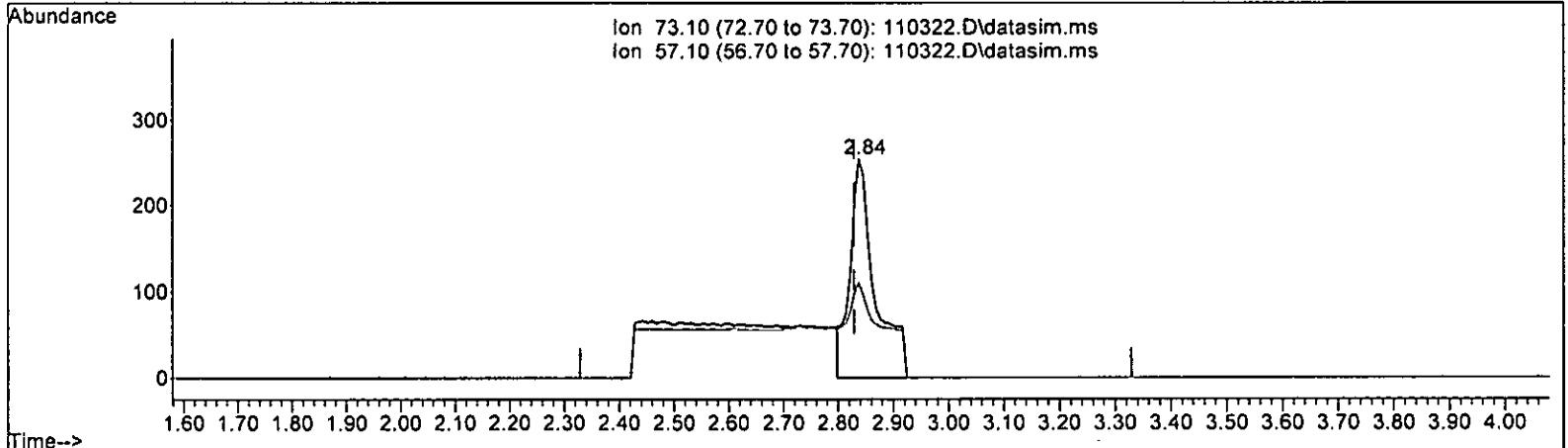
(6) Vinyl chloride (TMP)
 1.292min (+ 0.001) 0.089 ppb m
 response 437

Ion	Exp%	Act%
62.00	100.00	100.00
64.00	32.40	43.06
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110322.D
 Acq On : 03 Nov 2022 02:54 pm
 Operator : LM
 Sample : 0.1 ppb 8260 ICAL 67-177H
 Misc : soil/water
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 13:09:29 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M



TIC: 110322.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

2.838min (+ 0.009) 0.194 ppb

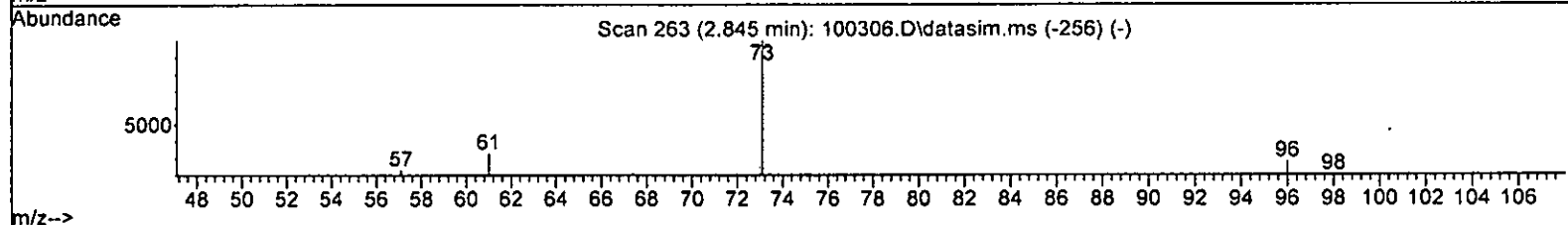
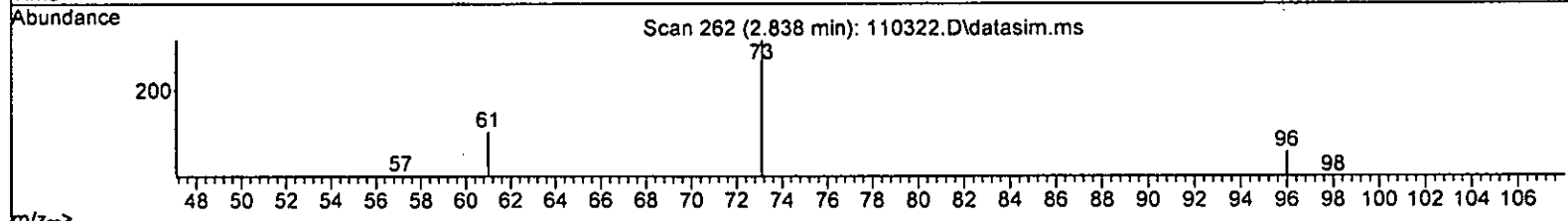
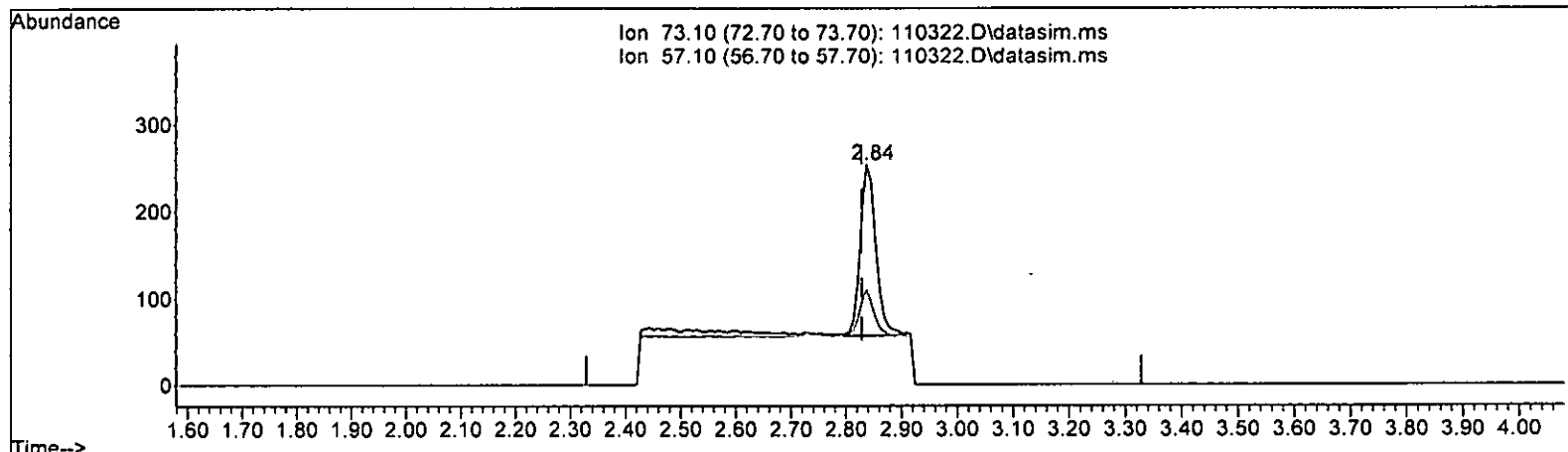
response 789

Ion	Exp%	Act%
73.10	100.00	100.00
57.10	23.10	43.31
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110322.D
 Acq On : 03 Nov 2022 02:54 pm
 Operator : LM
 Sample : 0.1 ppb 8260 ICAL 67-177H
 Misc : soil/water
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 13:09:29 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M



TIC: 110322.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

2.838min (+ 0.009) 0.093 ppb m

response 380

Ion	Exp%	Act%
73.10	100.00	100.00
57.10	23.10	43.31
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110322.D
 Acq On : 03 Nov 2022 02:54 pm
 Operator : LM
 Sample : 0.1 ppb 8260 ICAL 67-177H
 Misc : soil/water
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 13:09:29 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) Fluorobenzene	4.63	96	58277	10.000	ppb	0.00	
39) Chlorobenzene-d5	7.27	117	41908	10.000	ppb	0.00	
56) 1,4-Dichlorobenzene-d4	9.48	152	24172	10.000	ppb	0.00	
System Monitoring Compounds							
3) Dibromofluoromethane	4.08	113	16849	10.210	ppb	0.00	
Spiked Amount	10.000	Range 50 - 150	Recovery	=	102.10%		
30) 1,2-Dichloroethane-d4	4.36	102	3636	9.902	ppb	0.00	
Spiked Amount	10.000	Range 79 - 128	Recovery	=	99.00%		
35) Toluene-d8	5.98	98	50365	9.736	ppb	0.00	
Spiked Amount	10.000	Range 84 - 121	Recovery	=	97.40%		
57) 4-Bromofluorobenzene	0.00	95	0d	0.000	ppb		
Spiked Amount	10.000	Range 84 - 116	Recovery	=	0.00%#		
Target Compounds							
2) Ethanol	1.86	45	57	No Calib			Qvalue
4) Dichlorodifluoromethane	0.00		0	N.D.	d		
5) Chloromethane	0.00		0	N.D.	d		
6] Vinyl chloride	1.29	62	437m	0.089	ppb		
7) Bromomethane	0.00		0	N.D.	d		
8) Chloroethane	0.00		0	N.D.	d		
9) Trichlorofluoromethane	0.00		0	N.D.	d		
10) 2-Propanol	0.00		0	N.D.			
11) Acetone	0.00		0	N.D.	d		
12] 1,1-Dichloroethene	2.19	96	141	0.092	ppb	98	
13) Hexane	0.00		0	N.D.	d		
14) Methylene chloride	0.00		0	N.D.	d		
15) t-Butyl alcohol (TBA)	0.00		0	N.D.			
16] Methyl t-butyl ether (...)	2.84	73	380m	0.093	ppb		
17] trans-1,2-Dichloroethene	2.83	96	174	0.101	ppb	96	
18) Diisopropyl ether (DIPE)	0.00		0	N.D.	d		
19] 1,1-Dichloroethane	3.18	63	284	0.093	ppb	98	
20) Ethyl t-butyl ether (E...)	0.00		0	N.D.	d		
21) 2,2-Dichloropropane	0.00		0	N.D.	d		
22] cis-1,2-Dichloroethene	3.67	96	178	0.097	ppb	94	
23) Chloroform	0.00		0	N.D.	d		
24) 2-Butanone (MEK)	0.00		0	N.D.	d		
25) t-Amyl methyl ether (T...)	0.00		0	N.D.	d		
26] 1,2-Dichloroethane (EDC)	4.41	62	253	0.116	ppb	97	
27] 1,1,1-Trichloroethane	4.08	97	231	0.093	ppb	95	
28) 1,1-Dichloropropene	0.00		0	N.D.	d		
29) Carbon tetrachloride	0.00		0	N.D.	d		
31] Benzene	4.39	78	583	0.078	ppb	95	
32] Trichloroethene	4.93	95	171	0.094	ppb	90	
33) 1,2-Dichloropropane	0.00		0	N.D.	d		
34) Bromodichloromethane	0.00		0	N.D.	d		
36) Dibromomethane	0.00		0	N.D.	d		

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110322.D
 Acq On : 03 Nov 2022 02:54 pm
 Operator : LM
 Sample : 0.1 ppb 8260 ICAL 67-177H
 Misc : soil/water
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS11

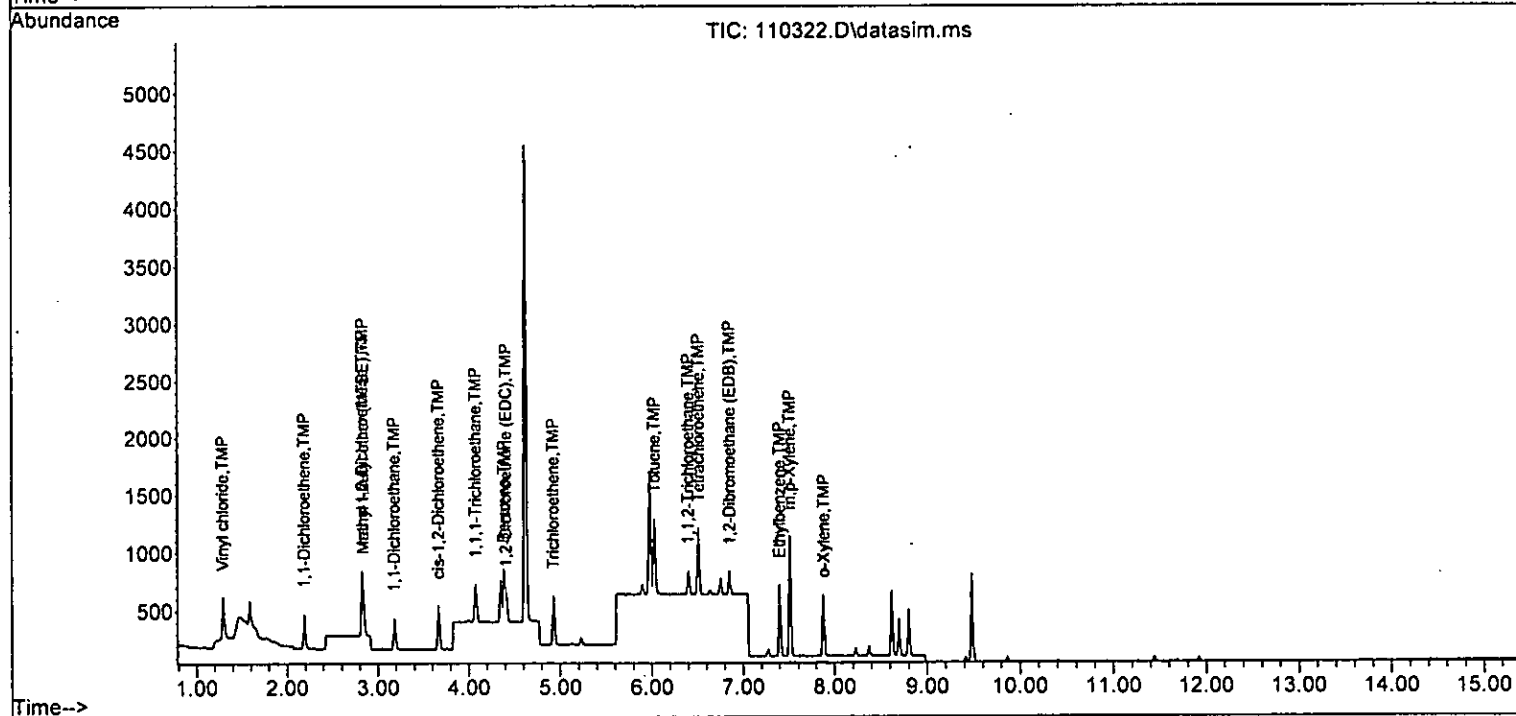
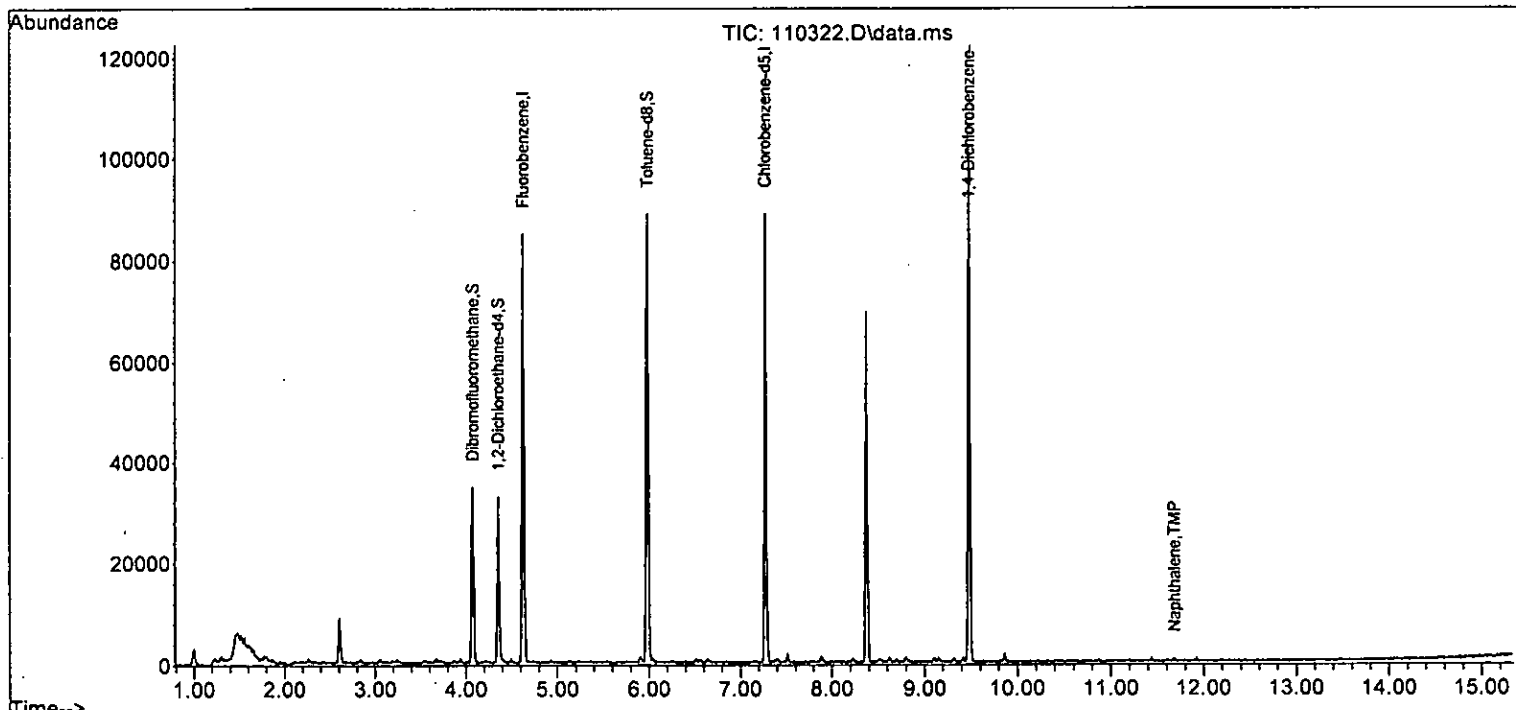
Quant Time: Nov 07 13:09:29 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.00		0		N.D.	
38) cis-1,3-Dichloropropene	0.00		0		N.D. d	
40] Toluene	6.03	92	348	0.096	ppb	96
41) trans-1,3-Dichloropropene	0.00		0		N.D. d	
42] 1,1,2-Trichloroethane	6.40	83	104	0.074	ppb	88
43) 2-Hexanone	0.00		0		N.D. d	
44) 1,3-Dichloropropane	0.00		0		N.D. d	
45] Tetrachloroethene	6.51	164	201	0.084	ppb	95
46) Dibromochloromethane	0.00		0		N.D. d	
47] 1,2-Dibromoethane (EDB)	6.85	107	129	0.097	ppb	92
48) Chlorobenzene	0.00		0		N.D. d	
49] Ethylbenzene	7.40	91	626	0.093	ppb	92
50) 1,1,1,2-Tetrachloroethane	0.00		0		N.D. d	
51] m,p-Xylene	7.51	106	492	0.187	ppb	83
52] o-Xylene	7.88	106	240	0.092	ppb	84
53) Styrene	0.00		0		N.D. d	
54) Isopropylbenzene	0.00		0		N.D. d	
55) Bromoform	0.00		0		N.D. d	
58) n-Propylbenzene	0.00		0		N.D. d	
59) Bromobenzene	0.00		0		N.D. d	
60) 1,3,5-Trimethylbenzene	0.00		0		N.D. d	
61) 1,1,2,2-Tetrachloroethane	0.00		0		N.D. d	
62) 1,2,3-Trichloropropane	0.00		0		N.D. d	
63) 2-Chlorotoluene	0.00		0		N.D. d	
64) 4-Chlorotoluene	0.00		0		N.D. d	
65) tert-Butylbenzene	0.00		0		N.D. d	
66) 1,2,4-Trimethylbenzene	0.00		0		N.D. d	
67) sec-Butylbenzene	0.00		0		N.D. d	
68) p-Isopropyltoluene	0.00		0		N.D. d	
69) 1,3-Dichlorobenzene	0.00		0		N.D. d	
70) 1,4-Dichlorobenzene	0.00		0		N.D. d	
71) 1,2-Dichlorobenzene	0.00		0		N.D. d	
72) 1,2-Dibromo-3-chloropr...	0.00		0		N.D.	
73) 1,2,4-Trichlorobenzene	0.00		0		N.D. d	
74) Hexachlorobutadiene	0.00		0		N.D. d	
75) Naphthalene	11.68	128	563	0.099	ppb	86
76) 1,2,3-Trichlorobenzene	0.00		0		N.D. d	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110322.D
 Acq On : 03 Nov 2022 02:54 pm
 Operator : LM
 Sample : 0.1 ppb 8260 ICAL 67-177H
 Misc : soil/water
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 13:09:29 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M



Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110322.D
 Acq On : 03 Nov 2022 02:54 pm
 Operator : LM
 Sample : 0.1 ppb 8260 ICAL 67-177H
 Misc : soil/water
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 13:09:29 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I Fluorobenzene	10.000	10.000	0.0	100	0.00
2 TMP Ethanol	-1.000	0.000	0.0	0	0.00
3 S Dibromofluoromethane	10.000	10.210	-2.1	100	0.00
4 TMP Dichlorodifluoromethane	-1.000	0.000	0.0	0	-1.09#
5 TMP Chloromethane	-1.000	0.000	0.0	0	-1.22#
6 TMP Vinyl chloride	0.100	0.089	11.0	96	0.00
7 TMP Bromomethane	-1.000	0.000	0.0	0	-1.52#
8 TMP Chloroethane	-1.000	0.000	0.0	0	-1.59#
9 TMP Trichlorofluoromethane	-1.000	0.000	0.0	0	-1.77#
10 TMP 2-Propanol	-1.000	0.000	0.0	0	-2.43#
11 TMP Acetone	-1.000	0.000	0.0	0	-2.25#
12 TMP 1,1-Dichloroethene	0.100	0.092	8.0	100	0.00
13 TMP Hexane	-1.000	0.000	0.0	0	-3.05#
14 TMP Methylene chloride	-1.000	0.000	0.0	0	-2.60#
15 TMP t-Butyl alcohol (TBA)	-1.000	0.000	0.0	0	-2.72#
16 TMP Methyl t-butyl ether (MTBE)	0.100	0.093	7.0	102	0.00
17 TMP trans-1,2-Dichloroethene	0.100	0.101	-1.0	100	0.00
18 TMP Diisopropyl ether (DIPE)	-1.000	0.000	0.0	0	-3.23#
19 TMP 1,1-Dichloroethane	0.100	0.093	7.0	100	0.00
20 TMP Ethyl t-butyl ether (ETBE)	-1.000	0.000	0.0	0	-3.54#
21 TMP 2,2-Dichloropropane	-1.000	0.000	0.0	0	-3.66#
22 TMP cis-1,2-Dichloroethene	0.100	0.097	3.0	100	0.00
23 TMP Chloroform	-1.000	0.000	0.0	0	-3.94#
24 TMP 2-Butanone (MEK)	-1.000	0.000	0.0	0	-3.70#
25 TMP t-Amyl methyl ether (TAME)	-1.000	0.000	0.0	0	-4.49#
26 TMP 1,2-Dichloroethane (EDC)	0.100	0.116	-16.0	100	0.00
27 TMP 1,1,1-Trichloroethane	0.100	0.093	7.0	100	0.00
28 TMP 1,1-Dichloropropane	-1.000	0.000	0.0	0	-4.22#
29 TMP Carbon tetrachloride	-1.000	0.000	0.0	0	-4.21#
30 S 1,2-Dichloroethane-d4	10.000	9.902	1.0	100	0.00
31 TMP Benzene	0.100	0.078	22.0#	100	0.00
32 TMP Trichloroethene	0.100	0.094	6.0	100	0.00
33 TMP 1,2-Dichloropropane	-1.000	0.000	0.0	0	-5.13#
34 TMP Bromodichloromethane	-1.000	0.000	0.0	0	-5.37#
35 S Toluene-d8	10.000	9.736	2.6	100	0.00
36 TMP Dibromomethane	-1.000	0.000	0.0	0	-5.23#
37 TMP 4-Methyl-2-pentanone	-1.000	0.000	0.0	0	-5.91#
38 TMP cis-1,3-Dichloropropene	-1.000	0.000	0.0	0	-5.75#
39 I Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40 TMP Toluene	0.100	0.096	4.0	100	0.00
41 TMP trans-1,3-Dichloropropene	-1.000	0.000	0.0	0	-6.25#
42 TMP 1,1,2-Trichloroethane	0.100	0.074	26.0#	100	0.00
43 TMP 2-Hexanone	-1.000	0.000	0.0	0	-6.64#

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110322.D
 Acq On : 03 Nov 2022 02:54 pm
 Operator : LM
 Sample : 0.1 ppb 8260 ICAL 67-177H
 Misc : soil/water
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 13:09:29 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	-1.000	0.000	0.0	0	-6.55#
45 TMP Tetrachloroethene	0.100	0.084	16.0	100	0.00
46 TMP Dibromochloromethane	-1.000	0.000	0.0	0	-6.75#
47 TMP 1,2-Dibromoethane (EDB)	0.100	0.097	3.0	100	0.00
48 TMP Chlorobenzene	-1.000	0.000	0.0	0	-7.29#
49 TMP Ethylbenzene	0.100	0.093	7.0	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	-1.000	0.000	0.0	0	-7.38#
51 TMP m,p-Xylene	0.200	0.187	6.5	100	0.00
52 TMP o-Xylene	0.100	0.092	8.0	100	0.00
53 TMP Styrene	-1.000	0.000	0.0	0	-7.90#
54 TMP Isopropylbenzene	-1.000	0.000	0.0	0	-8.23#
55 TMP Bromoform	-1.000	0.000	0.0	0	-8.07#
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	10.000	0.000	100.0#	0	-8.38#
58 TMP n-Propylbenzene	-1.000	0.000	0.0	0	-8.62#
59 TMP Bromobenzene	-1.000	0.000	0.0	0	-8.51#
60 TMP 1,3,5-Trimethylbenzene	-1.000	0.000	0.0	0	-8.79#
61 TMP 1,1,2,2-Tetrachloroethane	-1.000	0.000	0.0	0	-8.53#
62 TMP 1,2,3-Trichloropropane	-1.000	0.000	0.0	0	-8.56#
63 TMP 2-Chlorotoluene	-1.000	0.000	0.0	0	-8.70#
64 TMP 4-Chlorotoluene	-1.000	0.000	0.0	0	-8.80#
65 TMP tert-Butylbenzene	-1.000	0.000	0.0	0	-9.10#
66 TMP 1,2,4-Trimethylbenzene	-1.000	0.000	0.0	0	-9.15#
67 TMP sec-Butylbenzene	-1.000	0.000	0.0	0	-9.31#
68 TMP p-Isopropyltoluene	-1.000	0.000	0.0	0	-9.46#
69 TMP 1,3-Dichlorobenzene	-1.000	0.000	0.0	0	-9.42#
70 TMP 1,4-Dichlorobenzene	-1.000	0.000	0.0	0	-9.50#
71 TMP 1,2-Dichlorobenzene	-1.000	0.000	0.0	0	-9.86#
72 TMP 1,2-Dibromo-3-chloropropane	-1.000	0.000	0.0	0	-10.63#
73 TMP 1,2,4-Trichlorobenzene	-1.000	0.000	0.0	0	-11.44#
74 TMP Hexachlorobutadiene	-1.000	0.000	0.0	0	-11.61#
75 TMP Naphthalene	0.100	0.099	1.0	100	0.00
76 TMP 1,2,3-Trichlorobenzene	-1.000	0.000	0.0	0	-11.92#

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110322.D
 Acq On : 03 Nov 2022 02:54 pm
 Operator : LM
 Sample : 0.1 ppb 8260 ICAL 67-177H
 Misc : soil/water
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 13:09:29 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2 TMP	Ethanol	0.000	0.000#	0.0	0#	0.00
3 S	Dibromofluoromethane	0.283	0.289	-2.1	100	0.00
4 TMP	Dichlorodifluoromethane	0.771	0.000#	100.0#	0#	-1.09#
5 TMP	Chloromethane	0.937	0.000#	100.0#	0#	-1.22#
6 TMP	Vinyl chloride	0.838	0.750	10.5	96	0.00
7 TMP	Bromomethane	0.490	0.000#	100.0#	0#	-1.52#
8 TMP	Chloroethane	0.420	0.000#	100.0#	0#	-1.59#
9 TMP	Trichlorofluoromethane	0.910	0.000#	100.0#	0#	-1.77#
10 TMP	2-Propanol	0.000	0.000	0.0	0#	-2.43#
11 TMP	Acetone	0.046	0.000#	100.0#	0#	-2.25#
12 TMP	1,1-Dichloroethene	0.262	0.242	7.6	100	0.00
13 TMP	Hexane	0.408	0.000#	100.0#	0#	-3.05#
14 TMP	Methylene chloride	0.307	0.000#	100.0#	0#	-2.60#
15 TMP	t-Butyl alcohol (TBA)	0.034	0.000#	100.0#	0#	-2.72#
16 TMP	Methyl t-butyl ether (MTBE)	0.698	0.652	6.6	102	0.00
17 TMP	trans-1,2-Dichloroethene	0.296	0.299	-1.0	100	0.00
18 TMP	Diisopropyl ether (DIPE)	0.862	0.000#	100.0#	0#	-3.23#
19 TMP	1,1-Dichloroethane	0.527	0.487	7.6	100	0.00
20 TMP	Ethyl t-butyl ether (ETBE)	0.290	0.000#	100.0#	0#	-3.54#
21 TMP	2,2-Dichloropropane	0.356	0.000#	100.0#	0#	-3.66#
22 TMP	cis-1,2-Dichloroethene	0.316	0.305	3.5	100	0.00
23 TMP	Chloroform	0.496	0.000#	100.0#	0#	-3.94#
24 TMP	2-Butanone (MEK)	0.170	0.000#	100.0#	0#	-3.70#
25 TMP	t-Amyl methyl ether (TAME)	0.673	0.000#	100.0#	0#	-4.49#
26 TMP	1,2-Dichloroethane (EDC)	0.375	0.434	-15.7	100	0.00
27 TMP	1,1,1-Trichloroethane	0.428	0.396	7.5	100	0.00
28 TMP	1,1-Dichloropropane	0.346	0.000#	100.0#	0#	-4.22#
29 TMP	Carbon tetrachloride	0.372	0.000#	100.0#	0#	-4.21#
30 S	1,2-Dichloroethane-d4	0.063	0.062	1.6	100	0.00
31 TMP	Benzene	1.078	1.000	7.2	100	0.00
32 TMP	Trichloroethene	0.311	0.293	5.8	100	0.00
33 TMP	1,2-Dichloropropane	0.266	0.000#	100.0#	0#	-5.13#
34 TMP	Bromodichloromethane	0.319	0.000#	100.0#	0#	-5.37#
35 S	Toluene-d8	0.888	0.864	2.7	100	0.00
36 TMP	Dibromomethane	0.162	0.000#	100.0#	0#	-5.23#
37 TMP	4-Methyl-2-pentanone	0.045	0.000#	100.0#	0#	-5.91#
38 TMP	cis-1,3-Dichloropropene	0.364	0.000#	100.0#	0#	-5.75#
39 I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40 TMP	Toluene	0.869	0.830	4.5	100	0.00
41 TMP	trans-1,3-Dichloropropene	0.405	0.000#	100.0#	0#	-6.25#
42 TMP	1,1,2-Trichloroethane	0.260	0.248	4.6	100	0.00
43 TMP	2-Hexanone	0.268	0.000#	100.0#	0#	-6.64#

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110322.D
 Acq On : 03 Nov 2022 02:54 pm
 Operator : LM
 Sample : 0.1 ppb 8260 ICAL 67-177H
 Misc : soil/water
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 13:09:29 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.430	0.000#	100.0#	0#	-6.55#
45 TMP Tetrachloroethene	0.406	0.480	-18.2	100	0.00
46 TMP Dibromochloromethane	0.344	0.000#	100.0#	0#	-6.75#
47 TMP 1,2-Dibromoethane (EDB)	0.317	0.308	2.8	100	0.00
48 TMP Chlorobenzene	0.922	0.000#	100.0#	0#	-7.29#
49 TMP Ethylbenzene	1.605	1.494	6.9	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.356	0.000#	100.0#	0#	-7.38#
51 TMP m,p-Xylene	0.626	0.587	6.2	100	0.00
52 TMP o-Xylene	0.622	0.573	7.9	100	0.00
53 TMP Styrene	0.907	0.000#	100.0#	0#	-7.90#
54 TMP Isopropylbenzene	1.561	0.000#	100.0#	0#	-8.23#
55 TMP Bromoform	0.258	0.000#	100.0#	0#	-8.07#
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	0.748	0.000	100.0#	0#	-8.38#
58 TMP n-Propylbenzene	3.027	0.000#	100.0#	0#	-8.62#
59 TMP Bromobenzene	0.740	0.000#	100.0#	0#	-8.51#
60 TMP 1,3,5-Trimethylbenzene	2.224	0.000#	100.0#	0#	-8.79#
61 TMP 1,1,2,2-Tetrachloroethane	0.717	0.000#	100.0#	0#	-8.53#
62 TMP 1,2,3-Trichloropropane	0.549	0.000#	100.0#	0#	-8.56#
63 TMP 2-Chlorotoluene	1.828	0.000#	100.0#	0#	-8.70#
64 TMP 4-Chlorotoluene	1.994	0.000#	100.0#	0#	-8.80#
65 TMP tert-Butylbenzene	1.953	0.000#	100.0#	0#	-9.10#
66 TMP 1,2,4-Trimethylbenzene	2.250	0.000#	100.0#	0#	-9.15#
67 TMP sec-Butylbenzene	2.892	0.000#	100.0#	0#	-9.31#
68 TMP p-Isopropyltoluene	2.502	0.000#	100.0#	0#	-9.46#
69 TMP 1,3-Dichlorobenzene	1.434	0.000#	100.0#	0#	-9.42#
70 TMP 1,4-Dichlorobenzene	1.430	0.000#	100.0#	0#	-9.50#
71 TMP 1,2-Dichlorobenzene	1.428	0.000#	100.0#	0#	-9.86#
72 TMP 1,2-Dibromo-3-chloropropane	0.145	0.000#	100.0#	0#	-10.63#
73 TMP 1,2,4-Trichlorobenzene	1.063	0.000#	100.0#	0#	-11.44#
74 TMP Hexachlorobutadiene	0.623	0.000#	100.0#	0#	-11.61#
75 TMP Naphthalene	2.362	2.329	1.4	100	0.00
76 TMP 1,2,3-Trichlorobenzene	0.987	0.000#	100.0#	0#	-11.92#

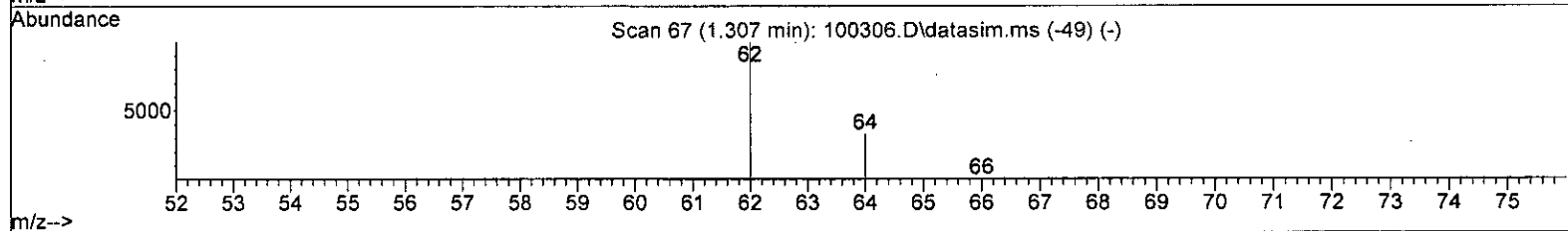
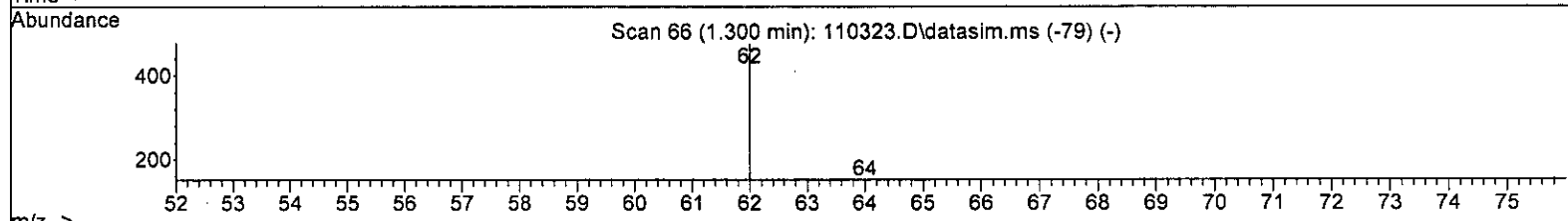
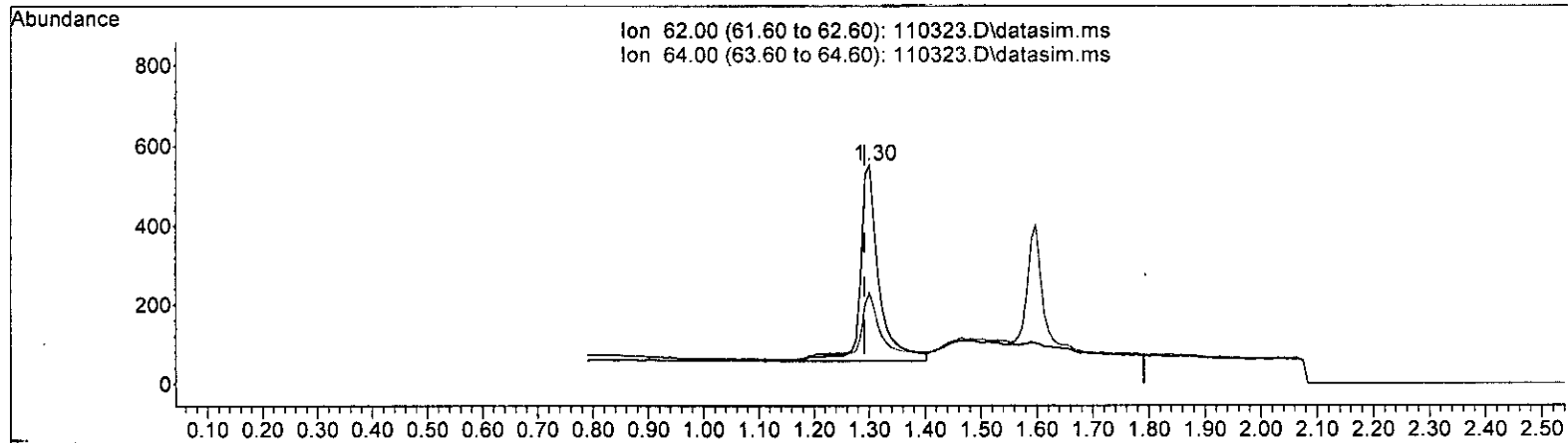
(#) = Out of Range

SPCC's out = 50 CCC's out = 0

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110323.D
 Acq On : 03 Nov 2022 03:17 pm
 Operator : LM
 Sample : 0.2 ppb 8260 ICAL 67-177I
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 13:09:31 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M



TIC: 110323.D\data.ms

(6) Vinyl chloride (TMP)

1.300min (+ 0.009) 0.221 ppb

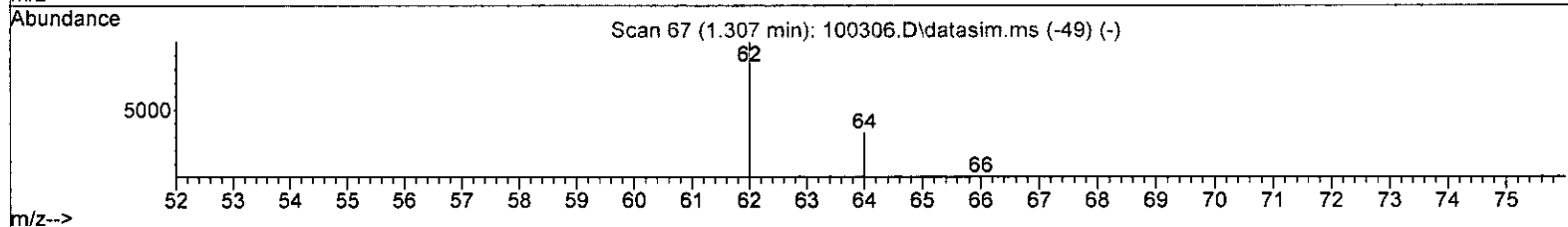
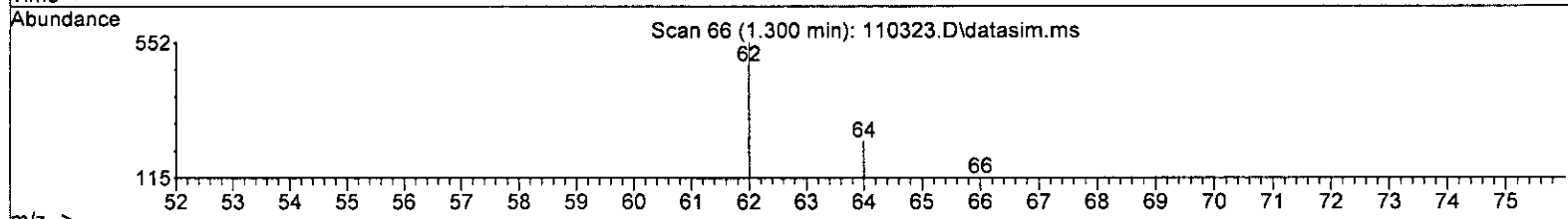
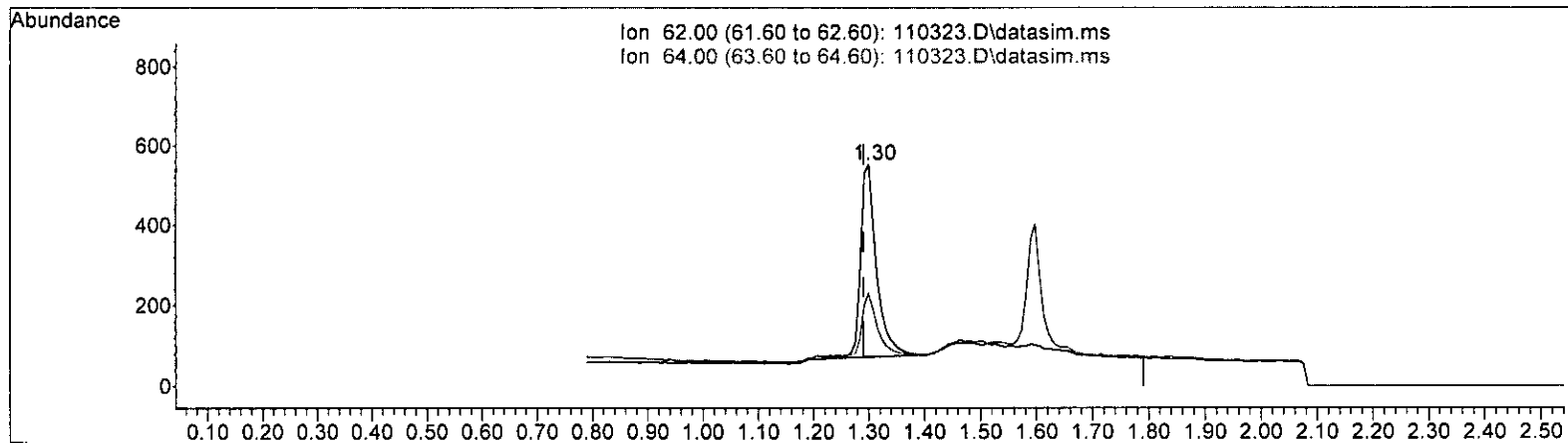
response 1137

Ion	Exp%	Act%
62.00	100.00	100.00
64.00	32.40	34.14
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110323.D
 Acq On : 03 Nov 2022 03:17 pm
 Operator : LM
 Sample : 0.2 ppb 8260 ICAL 67-177I
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 13:09:31 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M



TIC: 110323.D\data.ms

(6) Vinyl chloride (TMP)

1.300min (+ 0.009) 0.182 ppb m

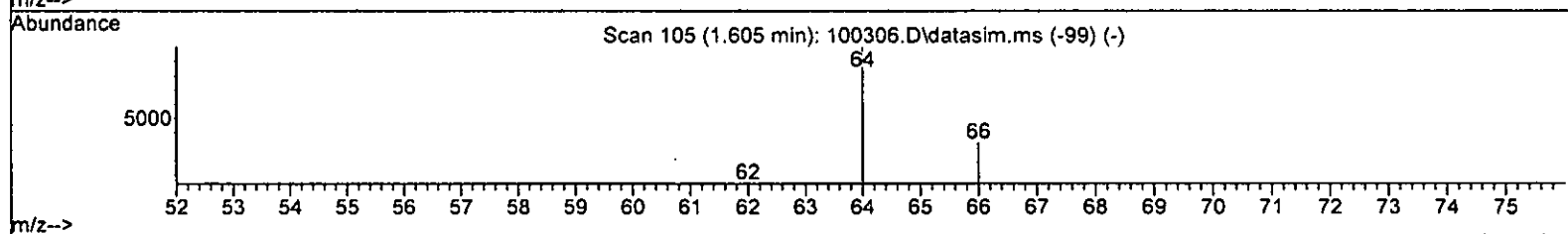
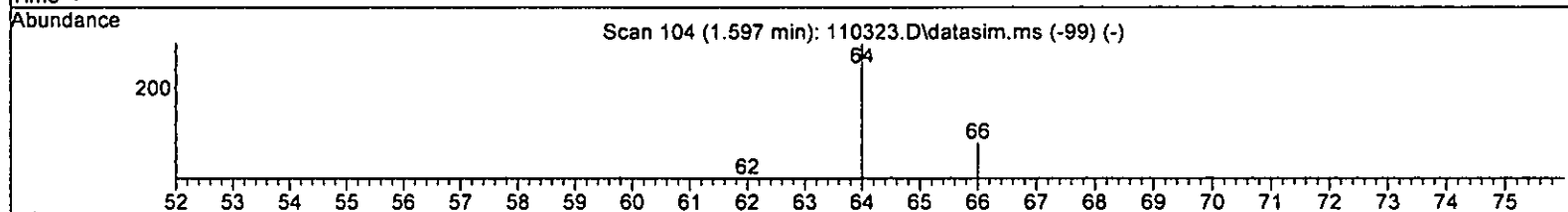
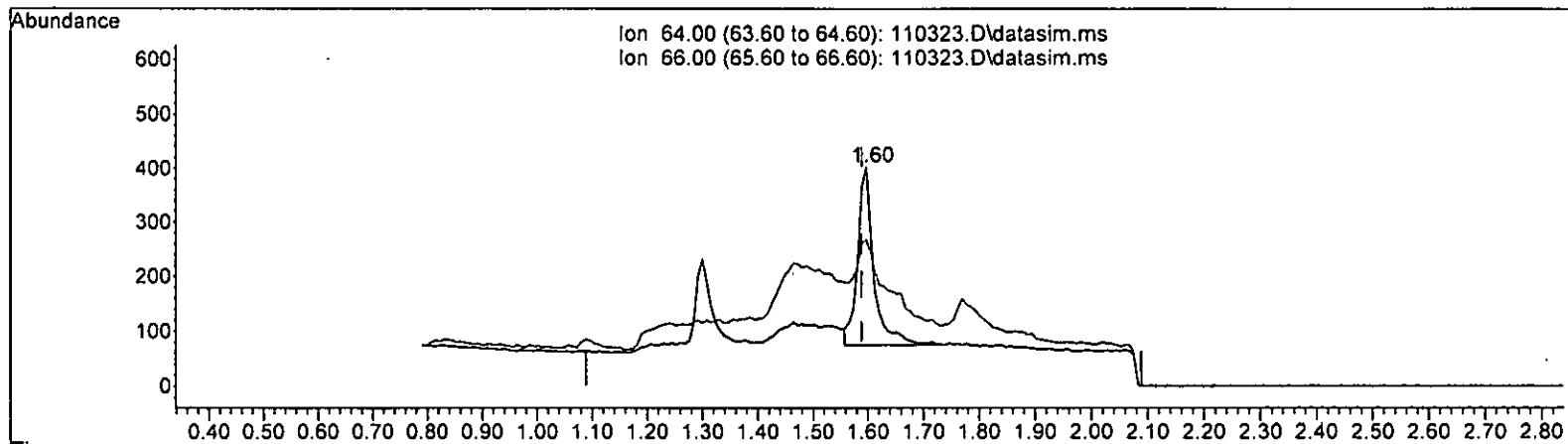
response 934

Ion	Exp%	Act%
62.00	100.00	100.00
64.00	32.40	41.77
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110323.D
 Acq On : 03 Nov 2022 03:17 pm
 Operator : LM
 Sample : 0.2 ppb 8260 ICAL 67-177I
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 13:09:31 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M



TIC: 110323.D\data.ms

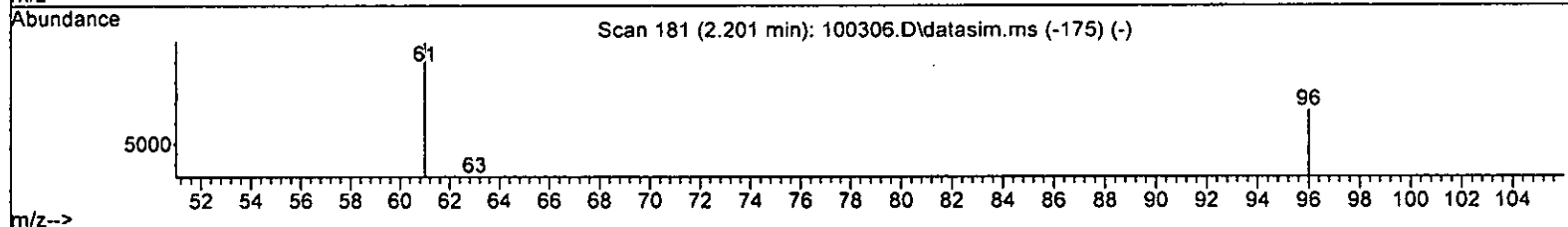
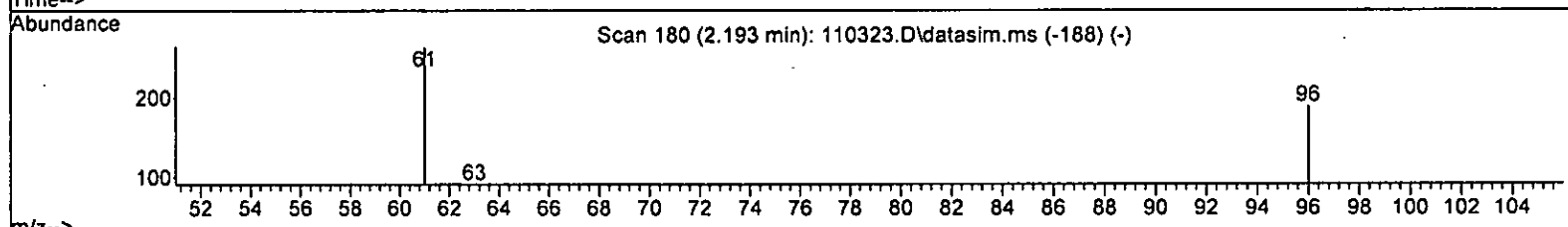
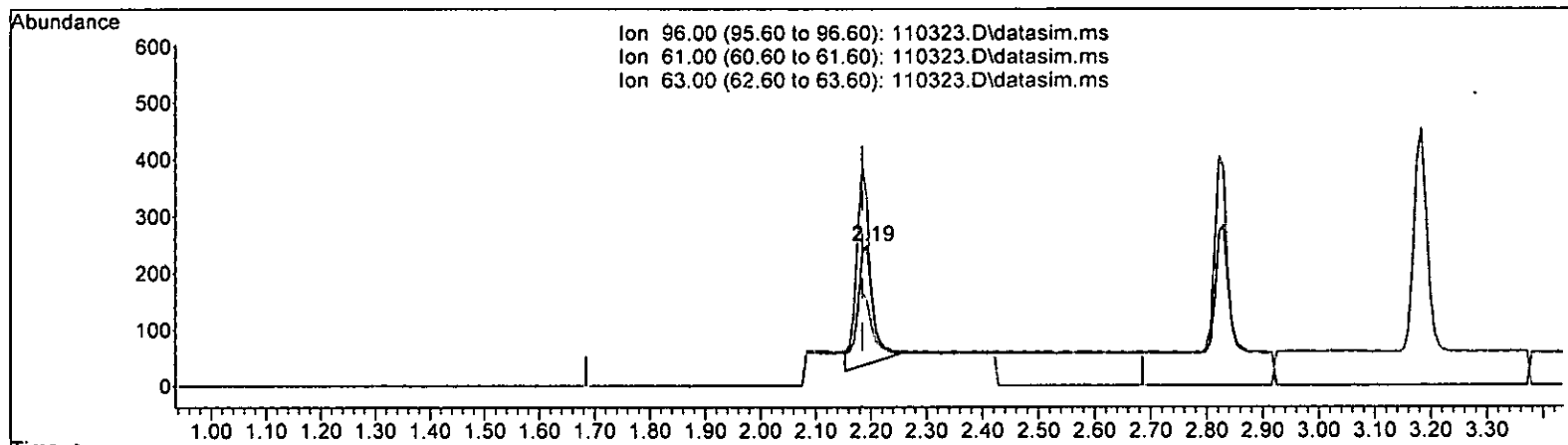
(8) Chloroethane (TMP)
 1.597min (+ 0.008) 0.256 ppb

response	661	
Ion	Exp%	Act%
64.00	100.00	100.00
66.00	32.40	47.56
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110323.D
 Acq On : 03 Nov 2022 03:17 pm
 Operator : LM
 Sample : 0.2 ppb 8260 ICAL 67-177I
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 13:09:31 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M



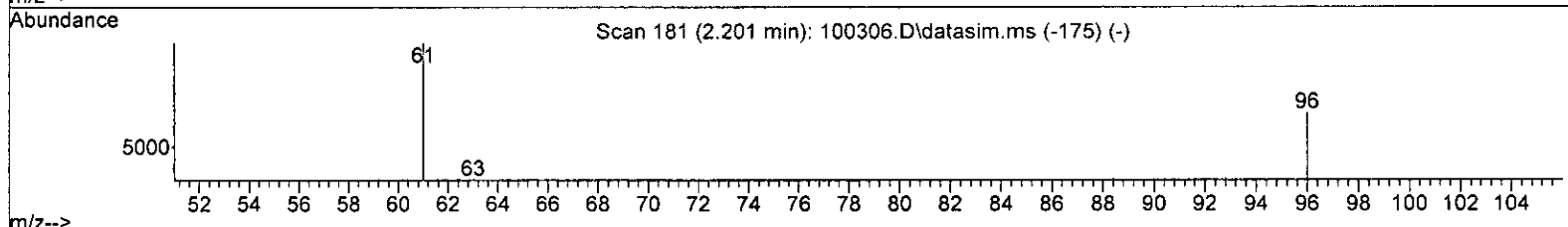
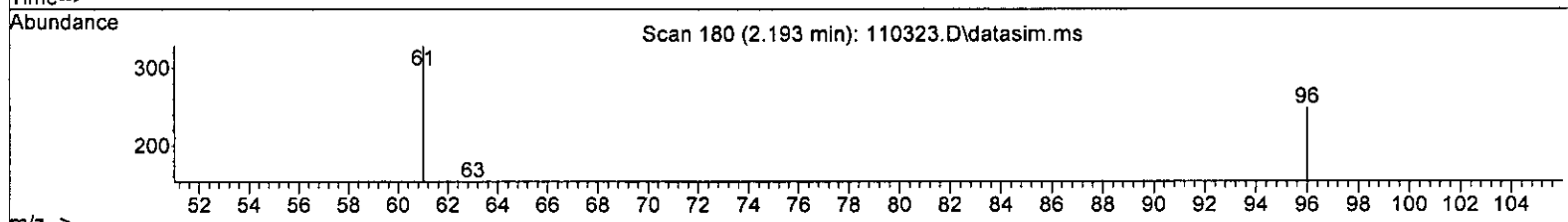
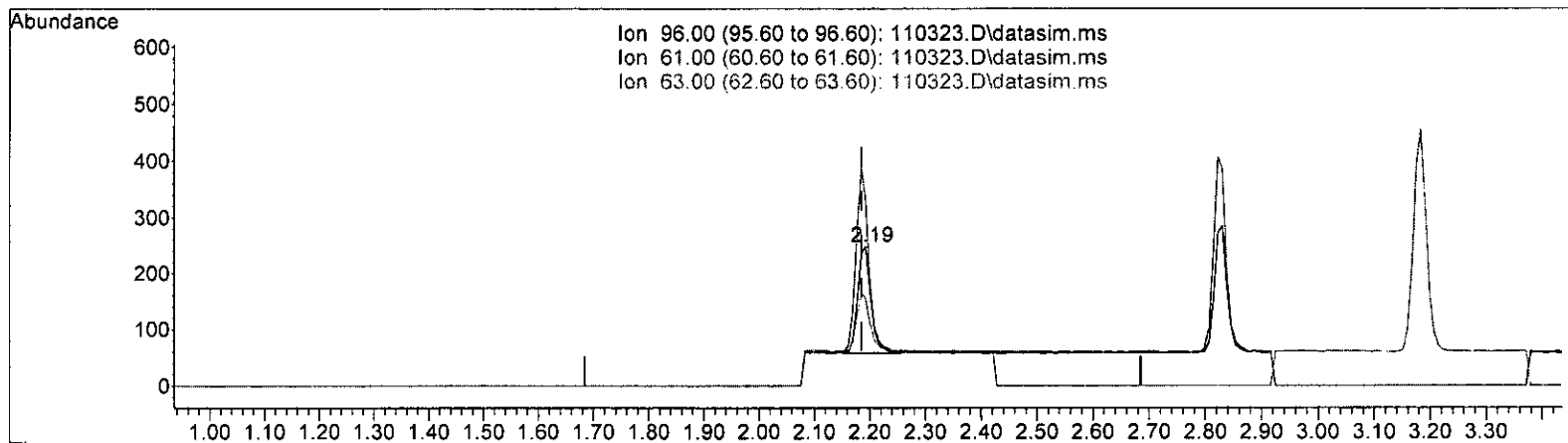
TIC: 110323.D\data.ms

(12)	1,1-Dichloroethene (TMP)	
2.193min (+ 0.008)	0.253 ppb	
response	406	
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	155.80	141.27
63.00	52.50	48.15
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110323.D
 Acq On : 03 Nov 2022 03:17 pm
 Operator : LM
 Sample : 0.2 ppb 8260 ICAL 67-177I
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 13:09:31 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M



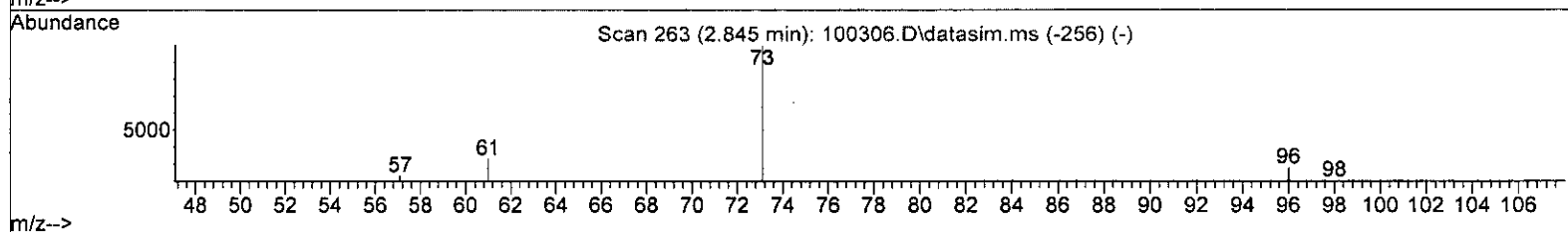
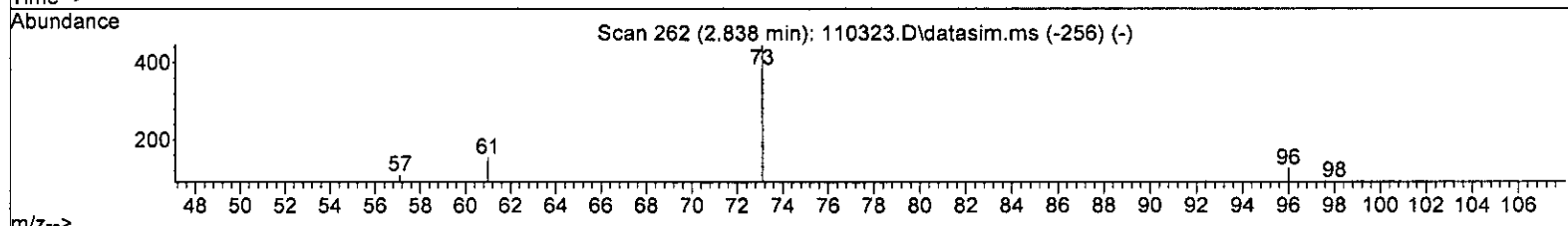
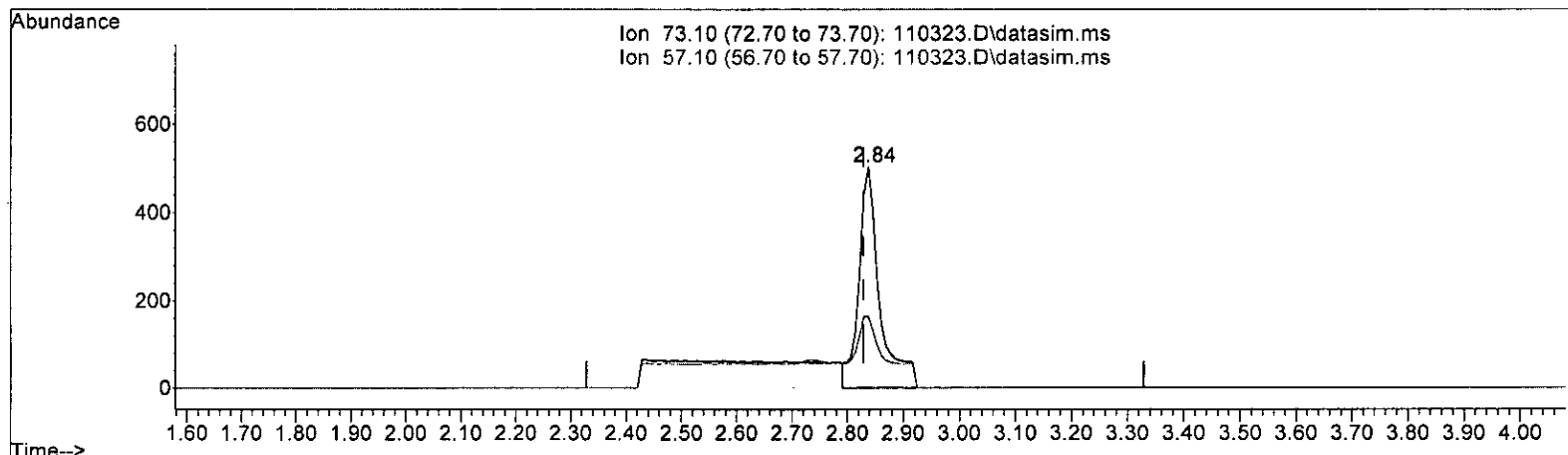
TIC: 110323.D\data.ms

(12)	1,1-Dichloroethene (TMP)	
2.193min (+ 0.008)	0.195 ppb m	
response	314	
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	155.80	132.26
63.00	52.50	61.69
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110323.D
 Acq On : 03 Nov 2022 03:17 pm
 Operator : LM
 Sample : 0.2 ppb 8260 ICAL 67-177I
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 13:09:31 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M



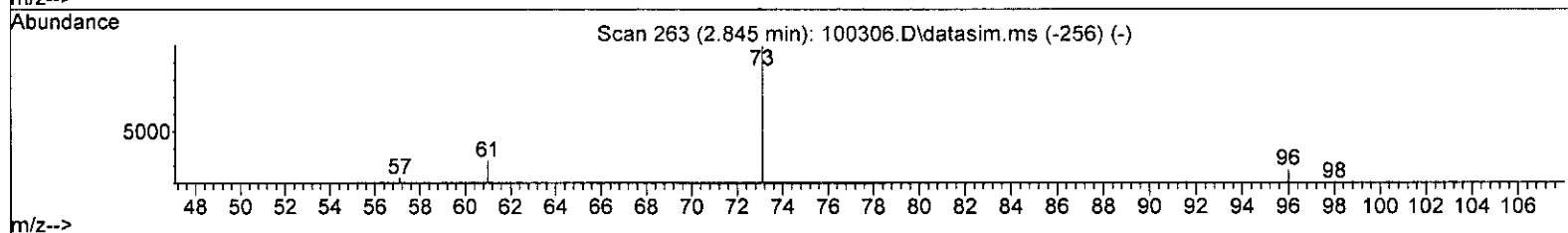
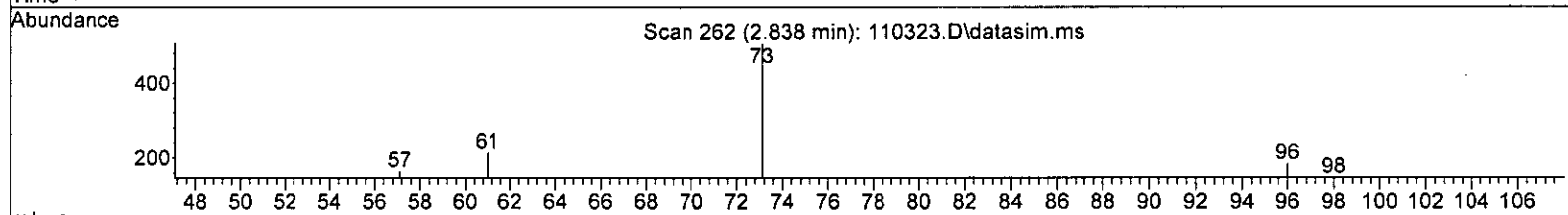
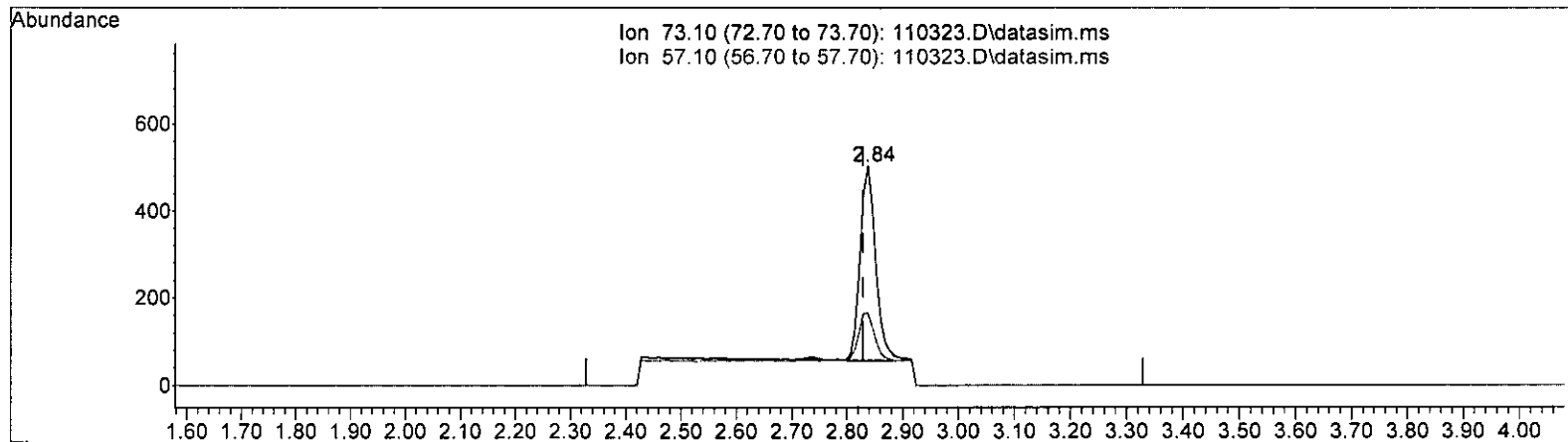
TIC: 110323.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)			
2.838min	(+ 0.009)	0.302	ppb
response	1293		
Ion	Exp%	Act%	
73.10	100.00	100.00	
57.10	23.10	32.60	
0.00	0.00	0.00	
0.00	0.00	0.00	

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110323.D
 Acq On : 03 Nov 2022 03:17 pm
 Operator : LM
 Sample : 0.2 ppb 8260 ICAL 67-177I
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 13:09:31 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M



TIC: 110323.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

2.838min (+ 0.009) 0.202 ppb m

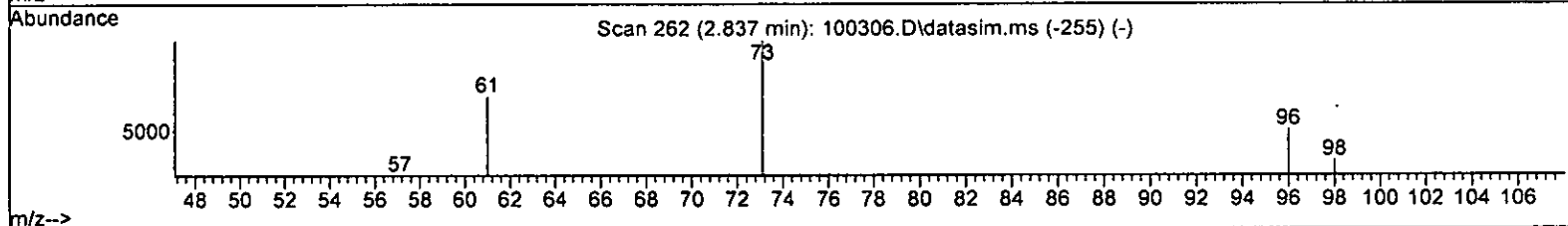
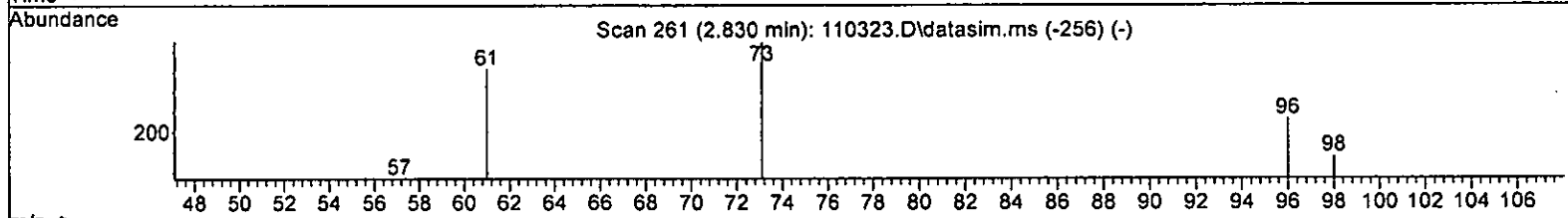
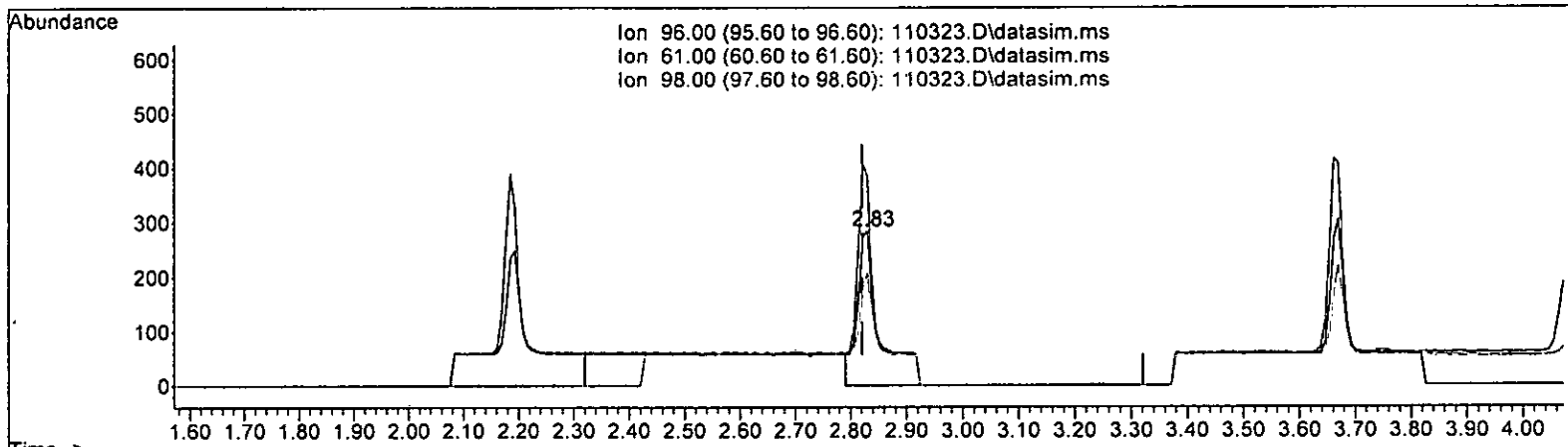
response 863

Ion	Exp%	Act%
73.10	100.00	100.00
57.10	23.10	32.60
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110323.D
 Acq On : 03 Nov 2022 03:17 pm
 Operator : LM
 Sample : 0.2 ppb 8260 ICAL 67-177I
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 13:09:31 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M



TIC: 110323.D\data.ms

(17) trans-1,2-Dichloroethene (TMP)

2.830min (+ 0.009) 0.439 ppb

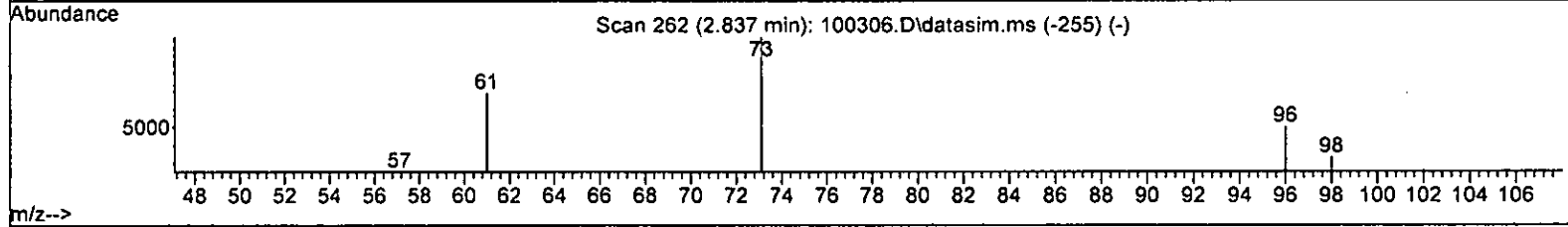
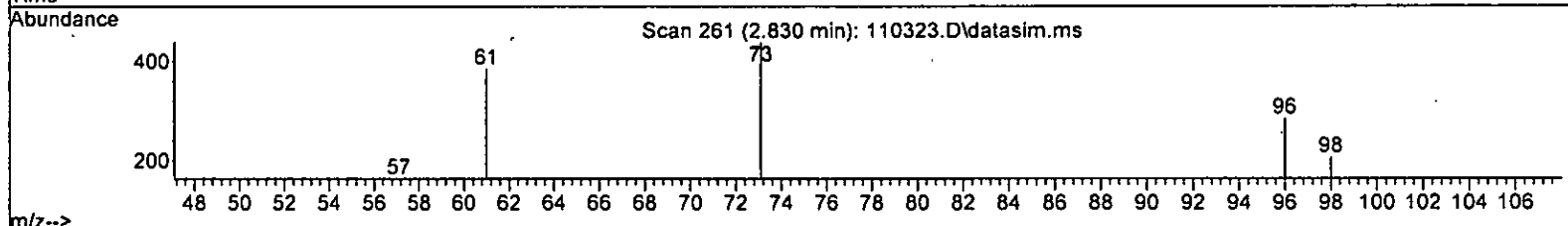
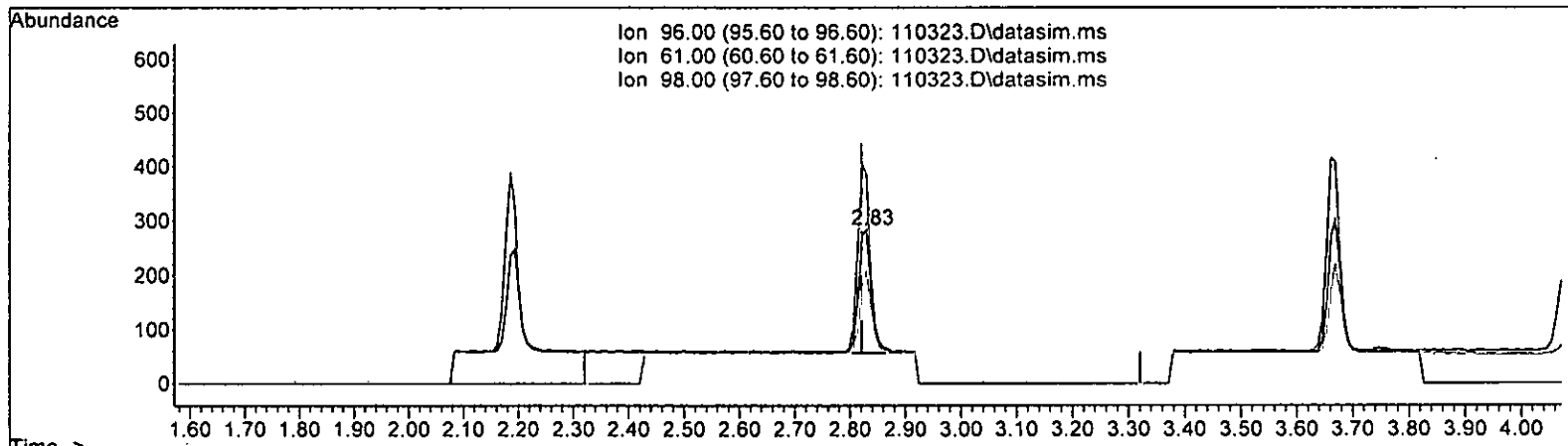
response 797

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	138.60	135.56
98.00	66.00	72.54
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110323.D
 Acq On : 03 Nov 2022 03:17 pm
 Operator : LM
 Sample : 0.2 ppb 8260 ICAI 67-177I
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 13:09:31 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M



TIC: 110323.D\data.ms

(17) trans-1,2-Dichloroethene (TMP)
 2.830min (+ 0.009) 0.200 ppb m
 response 363

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	138.60	135.56
98.00	66.00	72.54
0.00	0.00	0.00

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110323.D
 Acq On : 03 Nov 2022 03:17 pm
 Operator : LM
 Sample : 0.2 ppb 8260 ICAL 67-177I
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 13:09:31 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) Fluorobenzene	4.63	96	61311	10.000	ppb	0.00	
39) Chlorobenzene-d5	7.27	117	44921	10.000	ppb	0.00	
56) 1,4-Dichlorobenzene-d4	9.48	152	25317	10.000	ppb	0.00	
System Monitoring Compounds							
3) Dibromofluoromethane	4.07	113	16722	9.632	ppb	0.00	
Spiked Amount	10.000	Range 50 - 150	Recovery	=	96.30%		
30) 1,2-Dichloroethane-d4	4.35	102	3941	10.201	ppb	0.00	
Spiked Amount	10.000	Range 79 - 128	Recovery	=	102.00%		
35) Toluene-d8	5.98	98	54628	10.037	ppb	0.00	
Spiked Amount	10.000	Range 84 - 121	Recovery	=	100.40%		
57) 4-Bromofluorobenzene	8.38	95	19644	10.376	ppb	0.00	
Spiked Amount	10.000	Range 84 - 116	Recovery	=	103.80%		
Target Compounds							
							Qvalue
2) Ethanol	0.00		0	N.D.			
4) Dichlorodifluoromethane	0.00		0	N.D.	d		
5) Chloromethane	0.00		0	N.D.	d		
6] Vinyl chloride	1.30	62	934m	0.182	ppb		
7) Bromomethane	0.00		0	N.D.	d		
8] Chloroethane	1.60	64	511m	0.198	ppb		
9) Trichlorofluoromethane	1.77	101	1136	0.204	ppb		79
10) 2-Propanol	0.00		0	N.D.			
11) Acetone	0.00		0	N.D.	d		
12] 1,1-Dichloroethene	2.19	96	314m	0.195	ppb		
13) Hexane	0.00		0	N.D.	d		
14) Methylene chloride	0.00		0	N.D.	d		
15) t-Butyl alcohol (TBA)	0.00		0	N.D.	d		
16] Methyl t-butyl ether (...)	2.84	73	863m	0.202	ppb		
17] trans-1,2-Dichloroethene	2.83	96	363m	0.200	ppb		
18) Diisopropyl ether (DIPE)	3.24	45	1055	0.200	ppb		92
19] 1,1-Dichloroethane	3.18	63	637	0.197	ppb		99
20] Ethyl t-butyl ether (E...)	3.54	87	385	0.217	ppb	#	48
21) 2,2-Dichloropropane	3.66	77	396	0.181	ppb		72
22] cis-1,2-Dichloroethene	3.67	96	386	0.200	ppb		98
23) Chloroform	0.00		0	N.D.	d		
24) 2-Butanone (MEK)	3.71	43	1382	1.323	ppb		84
25) t-Amyl methyl ether (T...)	4.50	73	863	0.209	ppb		97
26] 1,2-Dichloroethane (EDC)	4.41	62	507	0.221	ppb		99
27] 1,1,1-Trichloroethane	4.08	97	508	0.194	ppb		98
28) 1,1-Dichloropropene	4.22	75	439	0.207	ppb		64
29) Carbon tetrachloride	4.21	117	514	0.225	ppb	#	67
31] Benzene	4.39	78	1290	0.187	ppb		97
32] Trichloroethene	4.93	95	373	0.196	ppb		91
33) 1,2-Dichloropropane	5.13	63	340	0.208	ppb	#	89
34) Bromodichloromethane	5.37	83	401	0.205	ppb		81
36) Dibromomethane	5.22	93	222	0.223	ppb	#	68

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110323.D
 Acq On : 03 Nov 2022 03:17 pm
 Operator : LM
 Sample : 0.2 ppb 8260 ICAL 67-177I
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS11

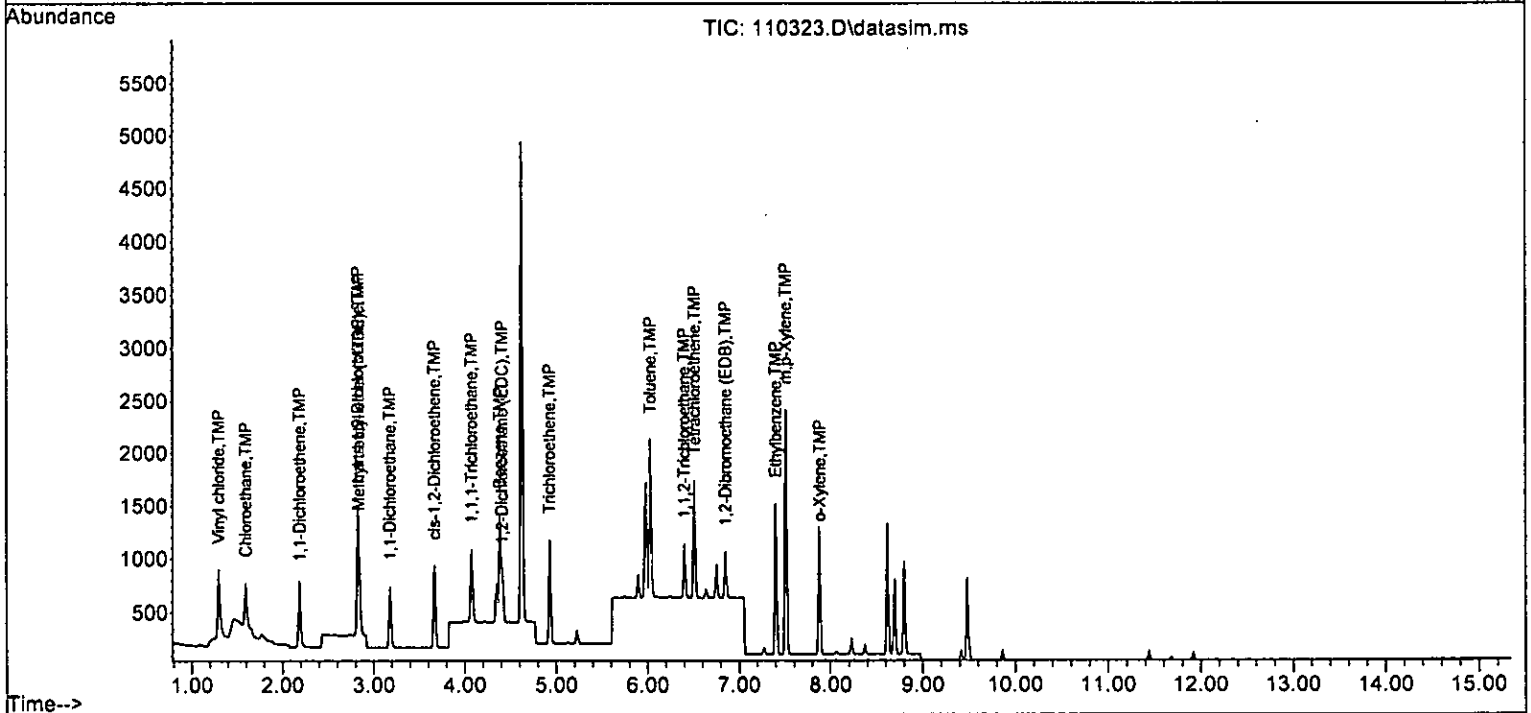
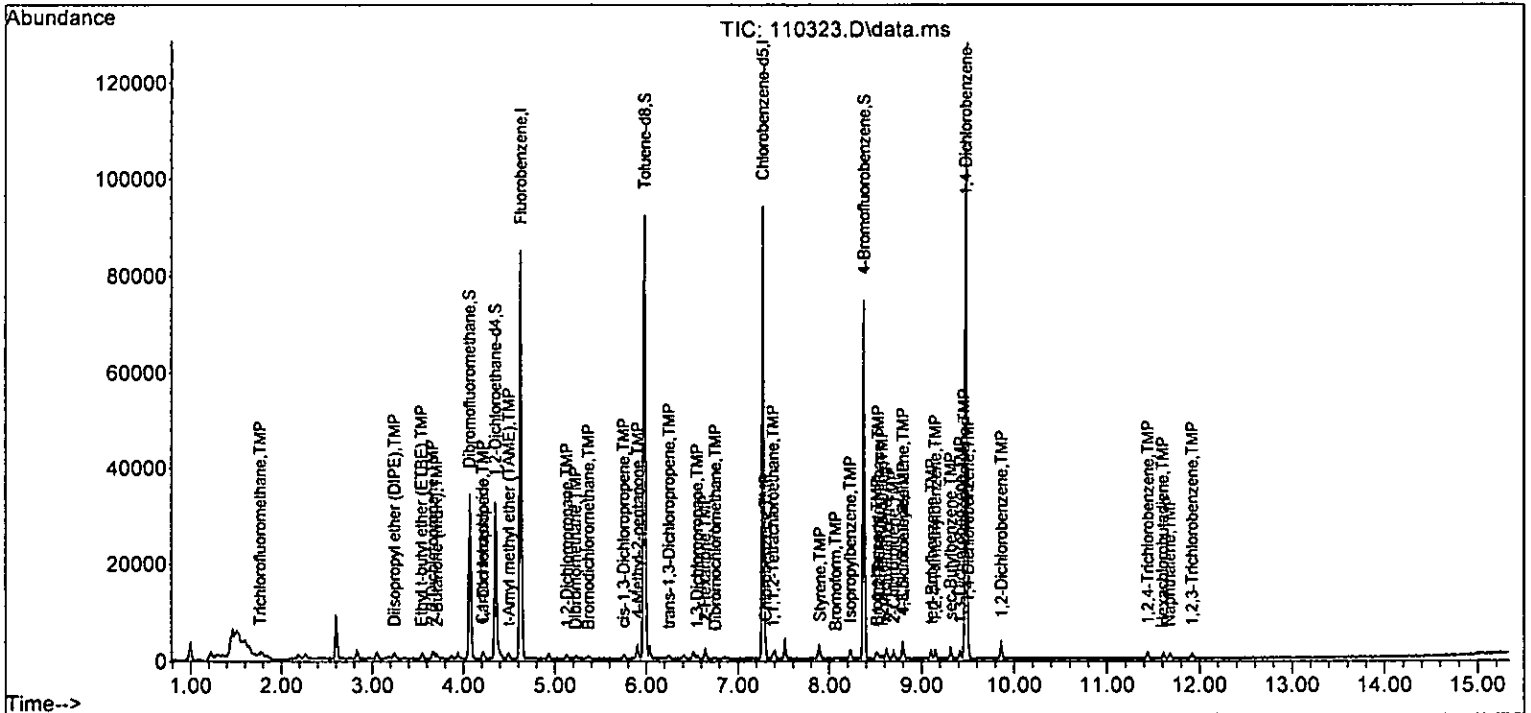
Quant Time: Nov 07 13:09:31 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	5.91	85	304	1.094	ppb	82
38) cis-1,3-Dichloropropene	5.75	75	574	0.257	ppb	77
40] Toluene	6.03	92	789	0.202	ppb	93
41) trans-1,3-Dichloropropene	6.25	75	434	0.238	ppb	82
42] 1,1,2-Trichloroethane	6.40	83	239	0.195	ppb	91
43) 2-Hexanone	6.64	43	1286	1.068	ppb	84
44) 1,3-Dichloropropane	6.55	76	392	0.203	ppb	57
45] Tetrachloroethene	6.51	164	386	0.194	ppb	95
46) Dibromochloromethane	6.75	129	395	0.256	ppb	88
47] 1,2-Dibromoethane (EDB)	6.85	107	303	0.213	ppb	96
48) Chlorobenzene	7.30	112	896	0.216	ppb	94
49] Ethylbenzene	7.40	91	1428	0.198	ppb	93
50) 1,1,1,2-Tetrachloroethane	7.38	131	305	0.191	ppb	72
51] m,p-Xylene	7.51	106	1089	0.387	ppb	85
52] o-Xylene	7.88	106	537	0.192	ppb	84
53) Styrene	7.90	104	819	0.201	ppb	70
54) Isopropylbenzene	8.23	105	1428	0.204	ppb	97
55) Bromoform	8.07	173	278	0.240	ppb	64
58) n-Propylbenzene	8.62	91	1609	0.210	ppb	83
59) Bromobenzene	8.52	156	374	0.200	ppb	83
60) 1,3,5-Trimethylbenzene	8.80	105	1142	0.203	ppb	87
61) 1,1,2,2-Tetrachloroethane	8.53	83	415	0.229	ppb	95
62) 1,2,3-Trichloropropane	8.57	75	384	0.276	ppb	79
63) 2-Chlorotoluene	8.70	91	1002	0.217	ppb	91
64) 4-Chlorotoluene	8.80	91	991	0.196	ppb	97
65) tert-Butylbenzene	9.11	119	973	0.197	ppb	73
66) 1,2,4-Trimethylbenzene	9.15	105	1114	0.196	ppb	85
67) sec-Butylbenzene	9.31	105	1394	0.190	ppb	82
68) p-Isopropyltoluene	9.46	119	1181	0.186	ppb	94
69) 1,3-Dichlorobenzene	9.42	146	794	0.219	ppb	93
70) 1,4-Dichlorobenzene	9.50	146	757	0.209	ppb	84
71) 1,2-Dichlorobenzene	9.86	146	774	0.214	ppb	93
72) 1,2-Dibromo-3-chloropr...	0.00		0	N.D.		
73) 1,2,4-Trichlorobenzene	11.44	180	527	0.196	ppb	77
74) Hexachlorobutadiene	11.60	225	388	0.246	ppb #	53
75) Naphthalene	11.67	128	1052	0.176	ppb	94
76) 1,2,3-Trichlorobenzene	11.92	180	499	0.200	ppb	91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110323.D
 Acq On : 03 Nov 2022 03:17 pm
 Operator : LM
 Sample : 0.2 ppb 8260 ICAL 67-177I
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 13:09:31 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M



Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110323.D
 Acq On : 03 Nov 2022 03:17 pm
 Operator : LM
 Sample : 0.2 ppb 8260 ICAL 67-177I
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 13:09:31 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2 TMP	Ethanol	-1.000	0.000	0.0	0	-1.86#
3 S	Dibromofluoromethane	10.000	9.632	3.7	100	0.00
4 TMP	Dichlorodifluoromethane	-1.000	0.000	0.0	0	-1.09#
5 TMP	Chloromethane	-1.000	0.000	0.0	0	-1.22#
6 TMP	Vinyl chloride	0.200	0.182	9.0	98	0.00
7 TMP	Bromomethane	-1.000	0.000	0.0	0	-1.52#
8 TMP	Chloroethane	0.200	0.198	1.0	102	0.00
9 TMP	Trichlorofluoromethane	0.200	0.204	-2.0	100	0.00
10 TMP	2-Propanol	-1.000	0.000	0.0	0	-2.43#
11 TMP	Acetone	-1.000	0.000	0.0	0	-2.25#
12 TMP	1,1-Dichloroethene	0.200	0.195	2.5	103	0.00
13 TMP	Hexane	-1.000	0.000	0.0	0	-3.05#
14 TMP	Methylene chloride	-1.000	0.000	0.0	0	-2.60#
15 TMP	t-Butyl alcohol (TBA)	-1.000	0.000	0.0	0	-2.72#
16 TMP	Methyl t-butyl ether (MTBE)	0.200	0.202	-1.0	102	0.00
17 TMP	trans-1,2-Dichloroethene	0.200	0.200	0.0	98	0.00
18 TMP	Diisopropyl ether (DIPE)	0.200	0.200	0.0	100	0.00
19 TMP	1,1-Dichloroethane	0.200	0.197	1.5	100	0.00
20 TMP	Ethyl t-butyl ether (ETBE)	0.200	0.217	-8.5	100	0.00
21 TMP	2,2-Dichloropropane	0.200	0.181	9.5	100	0.00
22 TMP	cis-1,2-Dichloroethene	0.200	0.200	0.0	100	0.00
23 TMP	Chloroform	0.200	0.000	100.0#	0	-3.94#
24 TMP	2-Butanone (MEK)	1.000	1.323	-32.3#	100	0.00
25 TMP	t-Amyl methyl ether (TAME)	0.200	0.209	-4.5	100	0.00
26 TMP	1,2-Dichloroethane (EDC)	0.200	0.221	-10.5	100	0.00
27 TMP	1,1,1-Trichloroethane	0.200	0.194	3.0	100	0.00
28 TMP	1,1-Dichloropropene	0.200	0.207	-3.5	100	0.00
29 TMP	Carbon tetrachloride	0.200	0.225	-12.5	100	0.00
30 S	1,2-Dichloroethane-d4	10.000	10.201	-2.0	100	0.00
31 TMP	Benzene	0.200	0.187	6.5	100	0.00
32 TMP	Trichloroethene	0.200	0.196	2.0	100	0.00
33 TMP	1,2-Dichloropropane	0.200	0.208	-4.0	100	0.00
34 TMP	Bromodichloromethane	0.200	0.205	-2.5	100	0.00
35 S	Toluene-d8	10.000	10.037	-0.4	100	0.00
36 TMP	Dibromomethane	0.200	0.223	-11.5	100	0.00
37 TMP	4-Methyl-2-pentanone	1.000	1.094	-9.4	100	0.00
38 TMP	cis-1,3-Dichloropropene	0.200	0.257	-28.5#	100	0.00
39 I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40 TMP	Toluene	0.200	0.202	-1.0	100	0.00
41 TMP	trans-1,3-Dichloropropene	0.200	0.238	-19.0	100	0.00
42 TMP	1,1,2-Trichloroethane	0.200	0.195	2.5	100	0.00
43 TMP	2-Hexanone	1.000	1.068	-6.8	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110323.D
 Acq On : 03 Nov 2022 03:17 pm
 Operator : LM
 Sample : 0.2 ppb 8260 ICAL 67-177I
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 13:09:31 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.200	0.203	-1.5	100	0.00
45 TMP Tetrachloroethene	0.200	0.194	3.0	100	0.00
46 TMP Dibromochloromethane	0.200	0.256	-28.0#	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	0.200	0.213	-6.5	100	0.00
48 TMP Chlorobenzene	0.200	0.216	-8.0	100	0.00
49 TMP Ethylbenzene	0.200	0.198	1.0	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.200	0.191	4.5	100	0.00
51 TMP m,p-Xylene	0.400	0.387	3.3	100	0.00
52 TMP o-Xylene	0.200	0.192	4.0	100	0.00
53 TMP Styrene	0.200	0.201	-0.5	100	0.00
54 TMP Isopropylbenzene	0.200	0.204	-2.0	100	0.00
55 TMP Bromoform	0.200	0.240	-20.0	100	0.00
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	10.000	10.376	-3.8	100	0.00
58 TMP n-Propylbenzene	0.200	0.210	-5.0	100	0.00
59 TMP Bromobenzene	0.200	0.200	0.0	100	0.00
60 TMP 1,3,5-Trimethylbenzene	0.200	0.203	-1.5	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.200	0.229	-14.5	100	0.00
62 TMP 1,2,3-Trichloropropane	0.200	0.276	-38.0#	100	0.00
63 TMP 2-Chlorotoluene	0.200	0.217	-8.5	100	0.00
64 TMP 4-Chlorotoluene	0.200	0.196	2.0	100	0.00
65 TMP tert-Butylbenzene	0.200	0.197	1.5	100	0.00
66 TMP 1,2,4-Trimethylbenzene	0.200	0.196	2.0	100	0.00
67 TMP sec-Butylbenzene	0.200	0.190	5.0	100	0.00
68 TMP p-Isopropyltoluene	0.200	0.186	7.0	100	0.00
69 TMP 1,3-Dichlorobenzene	0.200	0.219	-9.5	100	0.00
70 TMP 1,4-Dichlorobenzene	0.200	0.209	-4.5	100	0.00
71 TMP 1,2-Dichlorobenzene	0.200	0.214	-7.0	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	-1.000	0.000	0.0	0	-10.63#
73 TMP 1,2,4-Trichlorobenzene	0.200	0.196	2.0	100	0.00
74 TMP Hexachlorobutadiene	0.200	0.246	-23.0#	100	0.00
75 TMP Naphthalene	0.200	0.176	12.0	100	0.00
76 TMP 1,2,3-Trichlorobenzene	0.200	0.200	0.0	100	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110323.D
 Acq On : 03 Nov 2022 03:17 pm
 Operator : LM
 Sample : 0.2 ppb 8260 ICAL 67-177I
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 13:09:31 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2 TMP	Ethanol	0.000	0.000#	0.0	0#	-1.86#
3 S	Dibromofluoromethane	0.283	0.273	3.5	100	0.00
4 TMP	Dichlorodifluoromethane	0.771	0.000#	100.0#	0#	-1.09#
5 TMP	Chloromethane	0.937	0.000#	100.0#	0#	-1.22#
6 TMP	Vinyl chloride	0.838	0.762	9.1	98	0.00
7 TMP	Bromomethane	0.490	0.000#	100.0#	0#	-1.52#
8 TMP	Chloroethane	0.420	0.417	0.7	102	0.00
9 TMP	Trichlorofluoromethane	0.910	0.926	-1.8	100	0.00
10 TMP	2-Propanol	0.000	0.000	0.0	0#	-2.43#
11 TMP	Acetone	0.046	0.000#	100.0#	0#	-2.25#
12 TMP	1,1-Dichloroethene	0.262	0.256	2.3	103	0.00
13 TMP	Hexane	0.408	0.000#	100.0#	0#	-3.05#
14 TMP	Methylene chloride	0.307	0.000#	100.0#	0#	-2.60#
15 TMP	t-Butyl alcohol (TBA)	0.034	0.000#	100.0#	0#	-2.72#
16 TMP	Methyl t-butyl ether (MTBE)	0.698	0.704	-0.9	102	0.00
17 TMP	trans-1,2-Dichloroethene	0.296	0.296	0.0	98	0.00
18 TMP	Diisopropyl ether (DIPE)	0.862	0.860	0.2	100	0.00
19 TMP	1,1-Dichloroethane	0.527	0.519	1.5	100	0.00
20 TMP	Ethyl t-butyl ether (ETBE)	0.290	0.314	-8.3	100	0.00
21 TMP	2,2-Dichloropropane	0.356	0.323	9.3	100	0.00
22 TMP	cis-1,2-Dichloroethene	0.316	0.315	0.3	100	0.00
23 TMP	Chloroform	0.496	0.000#	100.0#	0#	-3.94#
24 TMP	2-Butanone (MEK)	0.170	0.225	-32.4#	100	0.00
25 TMP	t-Amyl methyl ether (TAME)	0.673	0.704	-4.6	100	0.00
26 TMP	1,2-Dichloroethane (EDC)	0.375	0.413	-10.1	100	0.00
27 TMP	1,1,1-Trichloroethane	0.428	0.414	3.3	100	0.00
28 TMP	1,1-Dichloropropene	0.346	0.358	-3.5	100	0.00
29 TMP	Carbon tetrachloride	0.372	0.419	-12.6	100	0.00
30 S	1,2-Dichloroethane-d4	0.063	0.064	-1.6	100	0.00
31 TMP	Benzene	1.078	1.052	2.4	100	0.00
32 TMP	Trichloroethene	0.311	0.304	2.3	100	0.00
33 TMP	1,2-Dichloropropane	0.266	0.277	-4.1	100	0.00
34 TMP	Bromodichloromethane	0.319	0.327	-2.5	100	0.00
35 S	Toluene-d8	0.888	0.891	-0.3	100	0.00
36 TMP	Dibromomethane	0.162	0.181	-11.7	100	0.00
37 TMP	4-Methyl-2-pentanone	0.045	0.050	-11.1	100	0.00
38 TMP	cis-1,3-Dichloropropene	0.364	0.468	-28.6#	100	0.00
39 I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40 TMP	Toluene	0.869	0.878	-1.0	100	0.00
41 TMP	trans-1,3-Dichloropropene	0.405	0.483	-19.3	100	0.00
42 TMP	1,1,2-Trichloroethane	0.260	0.266	-2.3	100	0.00
43 TMP	2-Hexanone	0.268	0.286	-6.7	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110323.D
 Acq On : 03 Nov 2022 03:17 pm
 Operator : LM
 Sample : 0.2 ppb 8260 ICAL 67-177I
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 13:09:31 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.430	0.436	-1.4	100	0.00
45 TMP Tetrachloroethene	0.406	0.430	-5.9	100	0.00
46 TMP Dibromochloromethane	0.344	0.440	-27.9#	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	0.317	0.337	-6.3	100	0.00
48 TMP Chlorobenzene	0.922	0.997	-8.1	100	0.00
49 TMP Ethylbenzene	1.605	1.589	1.0	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.356	0.339	4.8	100	0.00
51 TMP m,p-Xylene	0.626	0.606	3.2	100	0.00
52 TMP o-Xylene	0.622	0.598	3.9	100	0.00
53 TMP Styrene	0.907	0.912	-0.6	100	0.00
54 TMP Isopropylbenzene	1.561	1.589	-1.8	100	0.00
55 TMP Bromoform	0.258	0.309	-19.8	100	0.00
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	0.748	0.776	-3.7	100	0.00
58 TMP n-Propylbenzene	3.027	3.178	-5.0	100	0.00
59 TMP Bromobenzene	0.740	0.739	0.1	100	0.00
60 TMP 1,3,5-Trimethylbenzene	2.224	2.255	-1.4	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.717	0.820	-14.4	100	0.00
62 TMP 1,2,3-Trichloropropane	0.549	0.758	-38.1#	100	0.00
63 TMP 2-Chlorotoluene	1.828	1.979	-8.3	100	0.00
64 TMP 4-Chlorotoluene	1.994	1.957	1.9	100	0.00
65 TMP tert-Butylbenzene	1.953	1.922	1.6	100	0.00
66 TMP 1,2,4-Trimethylbenzene	2.250	2.200	2.2	100	0.00
67 TMP sec-Butylbenzene	2.892	2.753	4.8	100	0.00
68 TMP p-Isopropyltoluene	2.502	2.332	6.8	100	0.00
69 TMP 1,3-Dichlorobenzene	1.434	1.568	-9.3	100	0.00
70 TMP 1,4-Dichlorobenzene	1.430	1.495	-4.5	100	0.00
71 TMP 1,2-Dichlorobenzene	1.428	1.529	-7.1	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	0.145	0.000#	100.0#	0#	-10.63#
73 TMP 1,2,4-Trichlorobenzene	1.063	1.041	2.1	100	0.00
74 TMP Hexachlorobutadiene	0.623	0.766	-23.0#	100	0.00
75 TMP Naphthalene	2.362	2.078	12.0	100	0.00
76 TMP 1,2,3-Trichlorobenzene	0.987	0.986	0.1	100	0.00

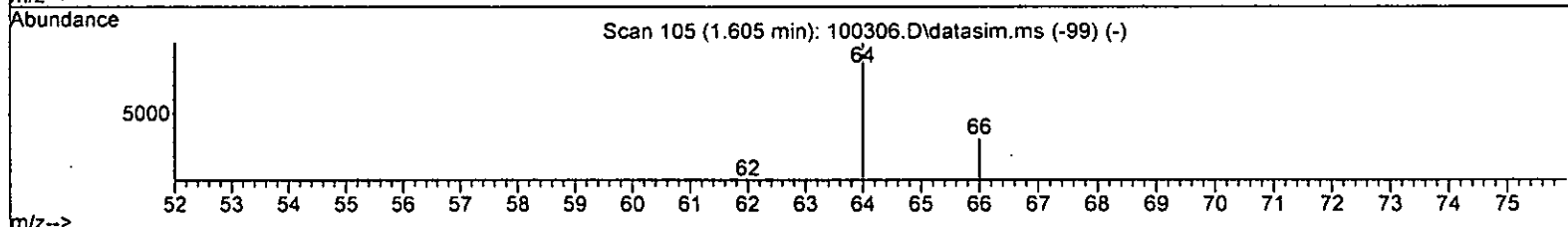
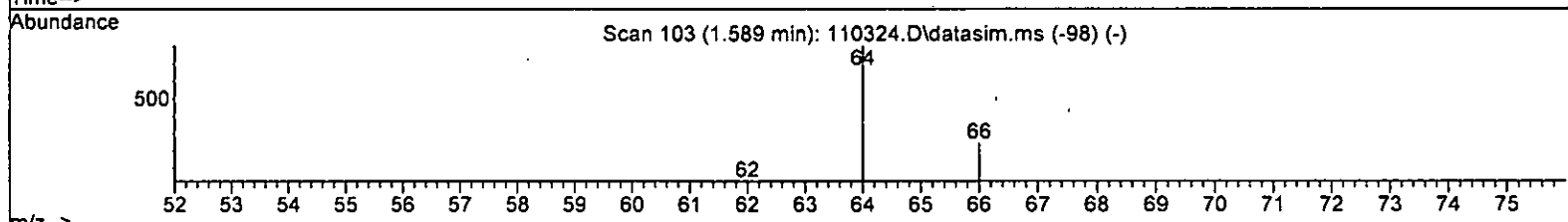
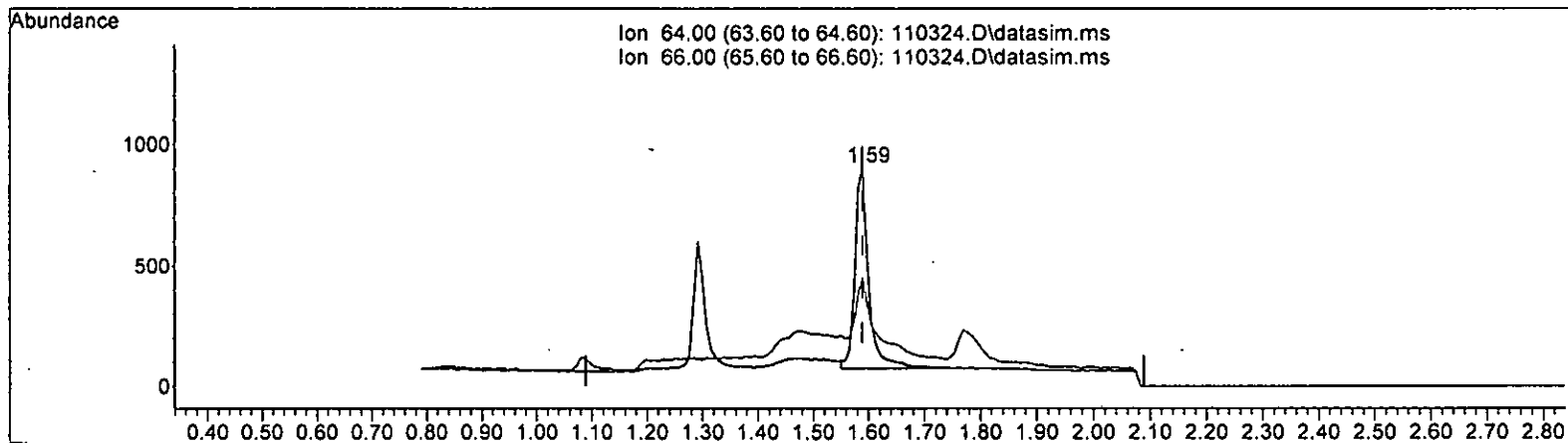
(#) = Out of Range

SPCC's out = 10 CCC's out = 0

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110324.D
 Acq On : 03 Nov 2022 03:39 pm
 Operator : LM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 14 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 13:09:33 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M



TIC: 110324.D\data.ms

(8) Chloroethane (TMP)

1.589min (+ 0.000) 0.598 ppb

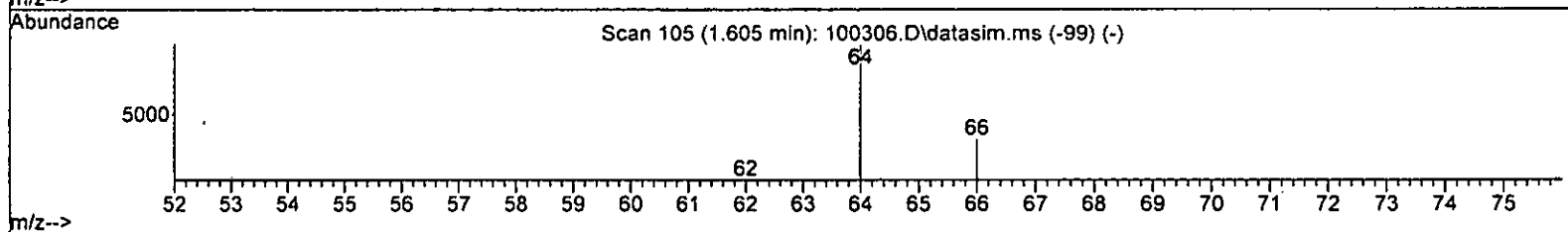
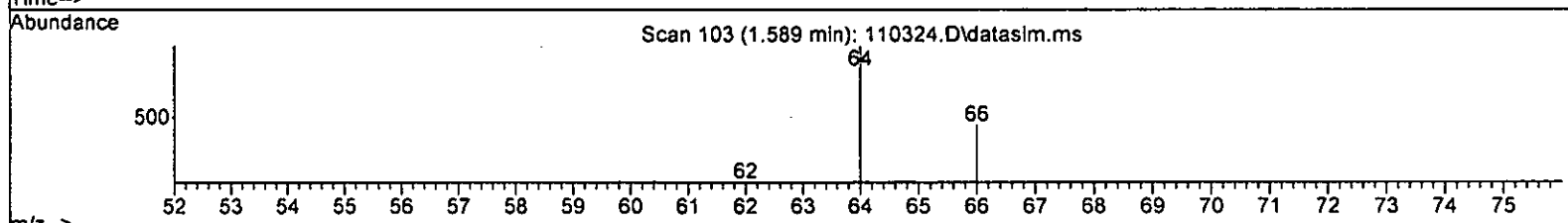
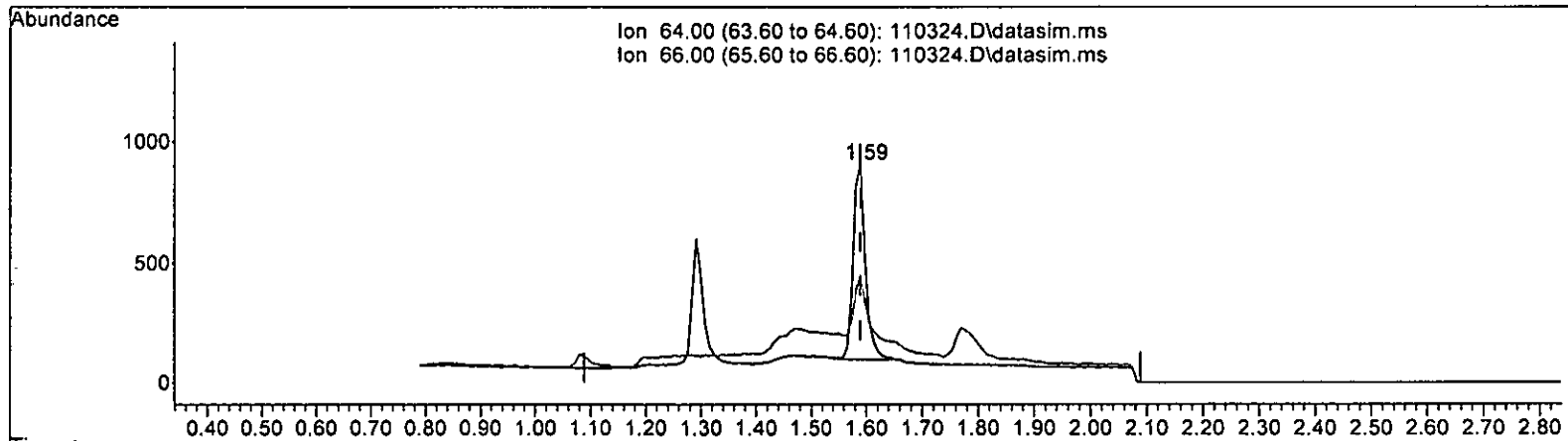
response 1413

Ion	Exp%	Act%
64.00	100.00	100.00
66.00	32.40	37.33
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110324.D
 Acq On : 03 Nov 2022 03:39 pm
 Operator : LM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 14 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 13:09:33 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M



TIC: 110324.D\data.ms

(8) Chloroethane (TMP)

1.589min (+ 0.000) 0.525 ppb m

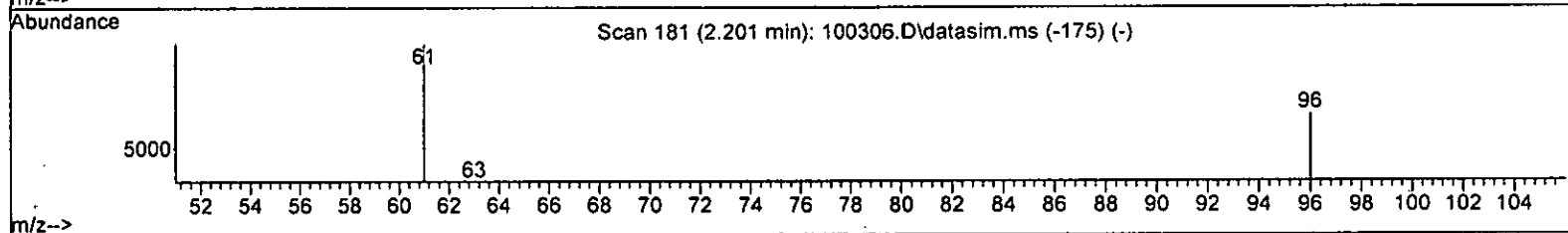
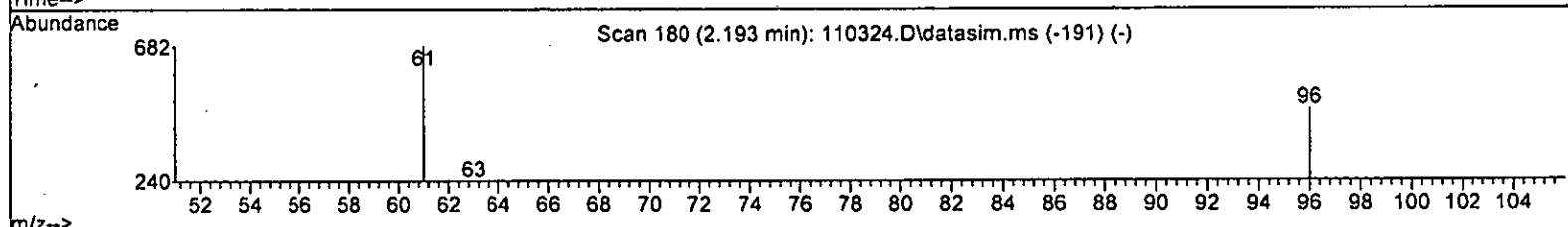
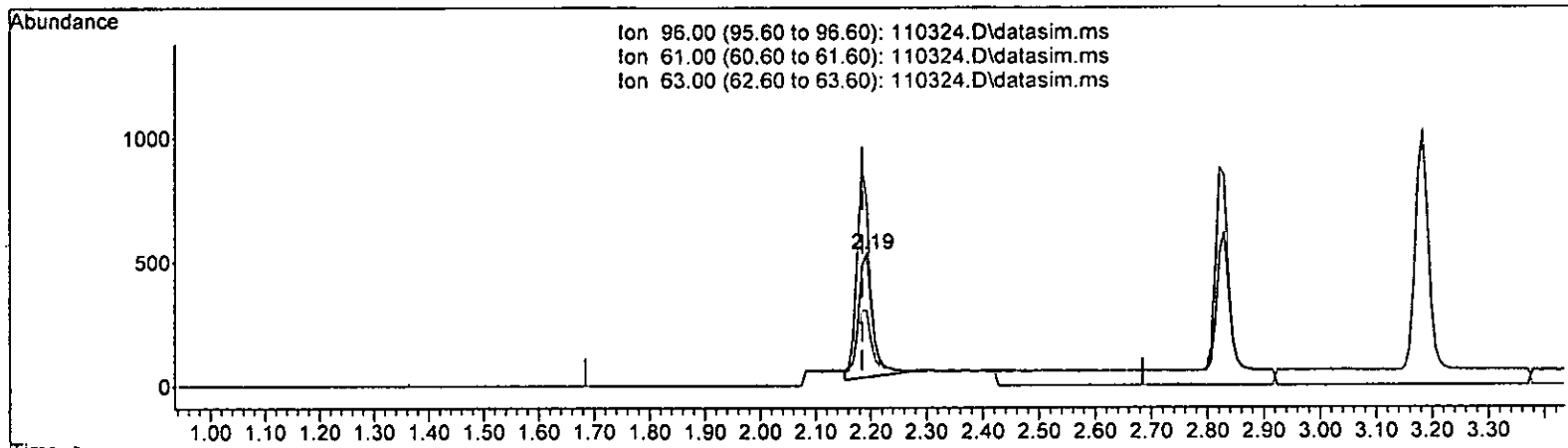
response 1240

Ion	Exp%	Act%
64.00	100.00	100.00
66.00	32.40	49.45
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110324.D
 Acq On : 03 Nov 2022 03:39 pm
 Operator : LM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 14 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 13:09:33 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M



TIC: 110324.D\data.ms

(12) 1,1-Dichloroethene (TMP)

2.193min (+ 0.008) 0.599 ppb

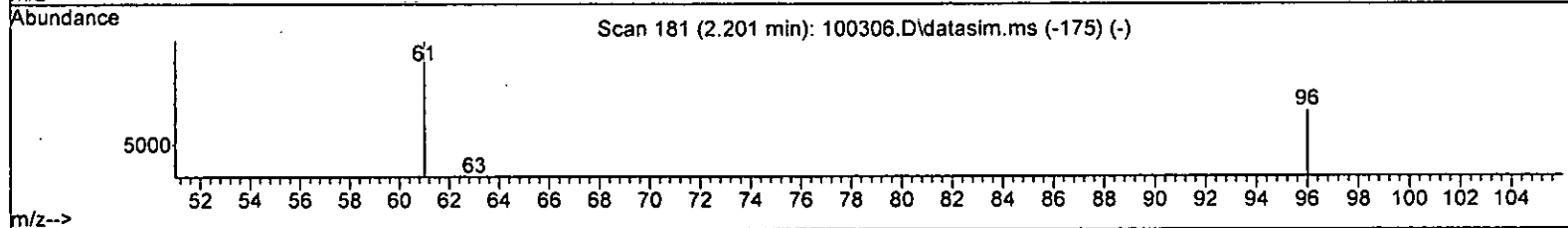
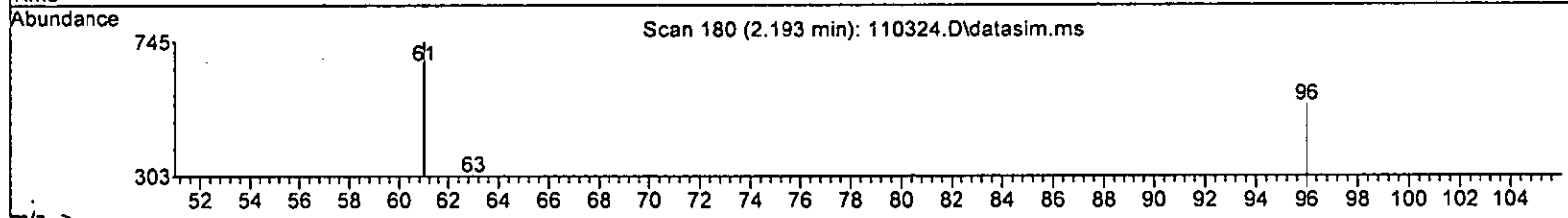
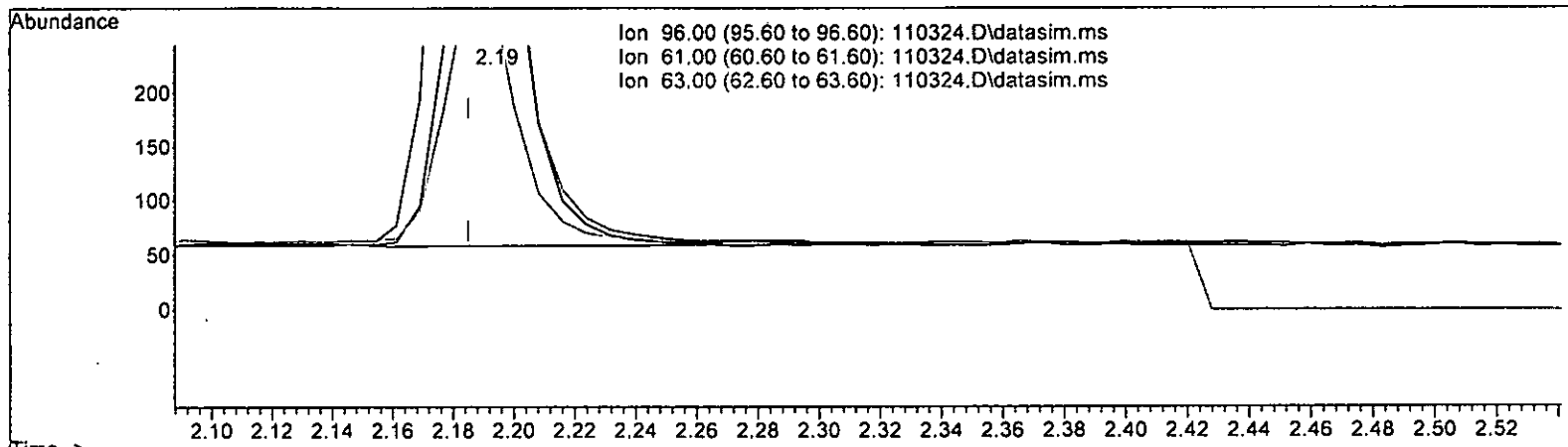
response 882

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	155.80	144.12
63.00	52.50	50.42
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110324.D
 Acq On : 03 Nov 2022 03:39 pm
 Operator : LM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 14 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 13:09:33 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M



TIC: 110324.D\data.ms

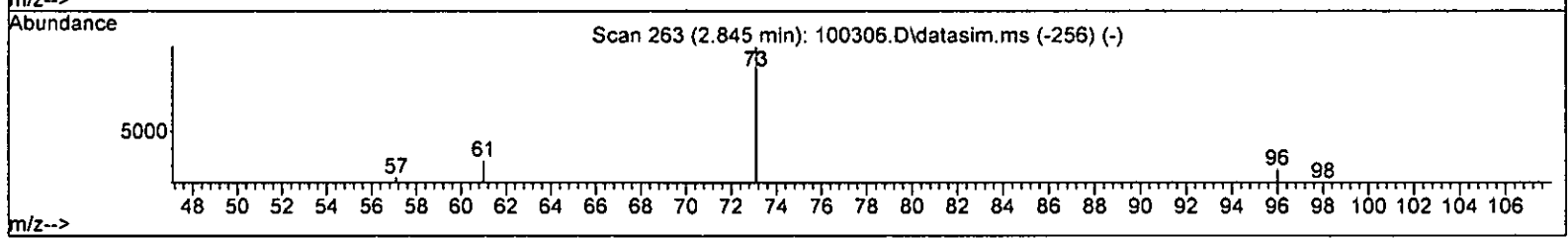
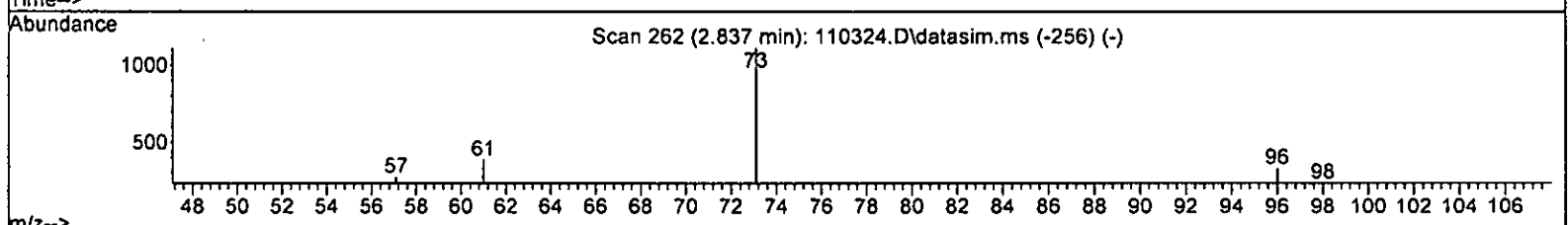
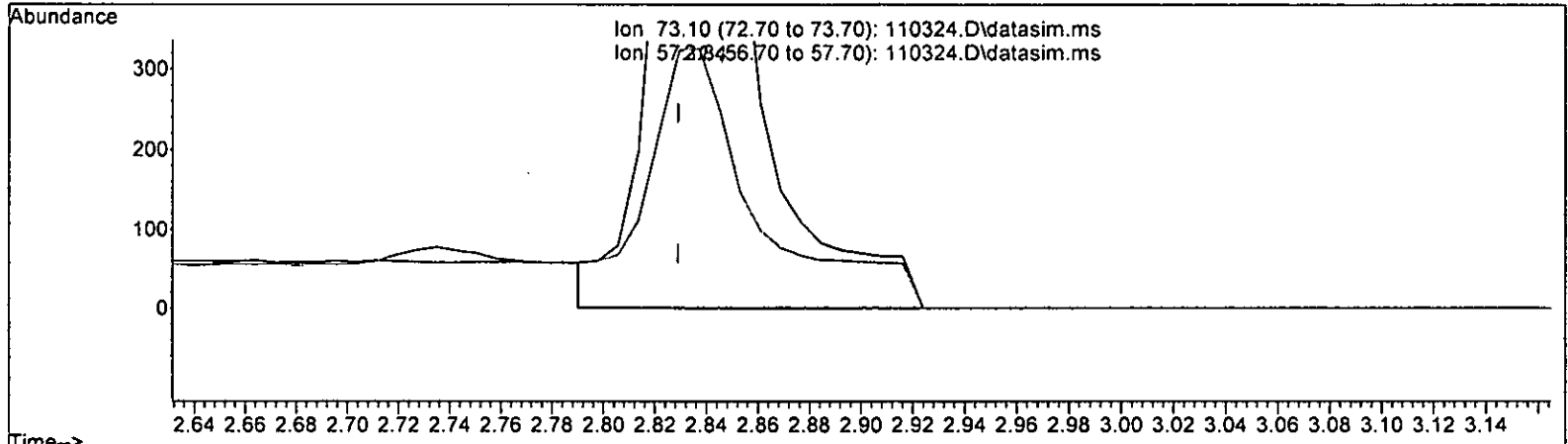
(12) 1,1-Dichloroethene (TMP)
 2.193min (+ 0.008) 0.512 ppb m
 response 754

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	155.80	139.44
63.00	52.50	56.64
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110324.D
 Acq On : 03 Nov 2022 03:39 pm
 Operator : LM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 14 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 13:09:33 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M



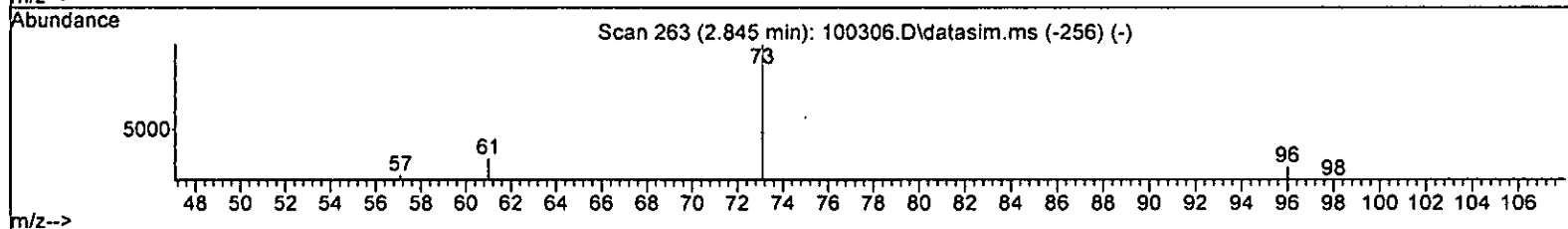
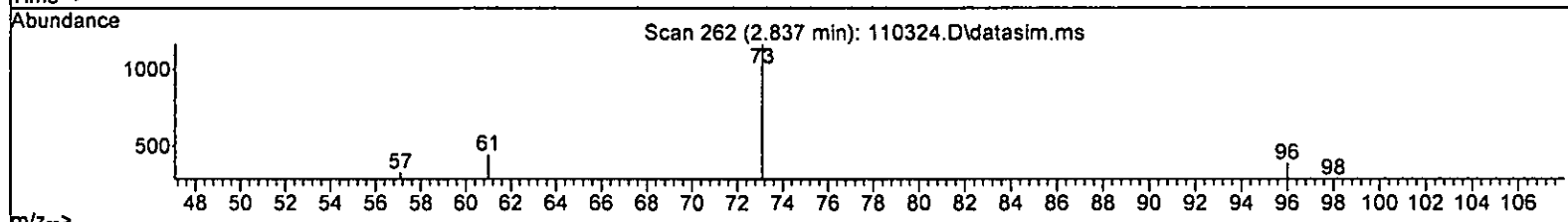
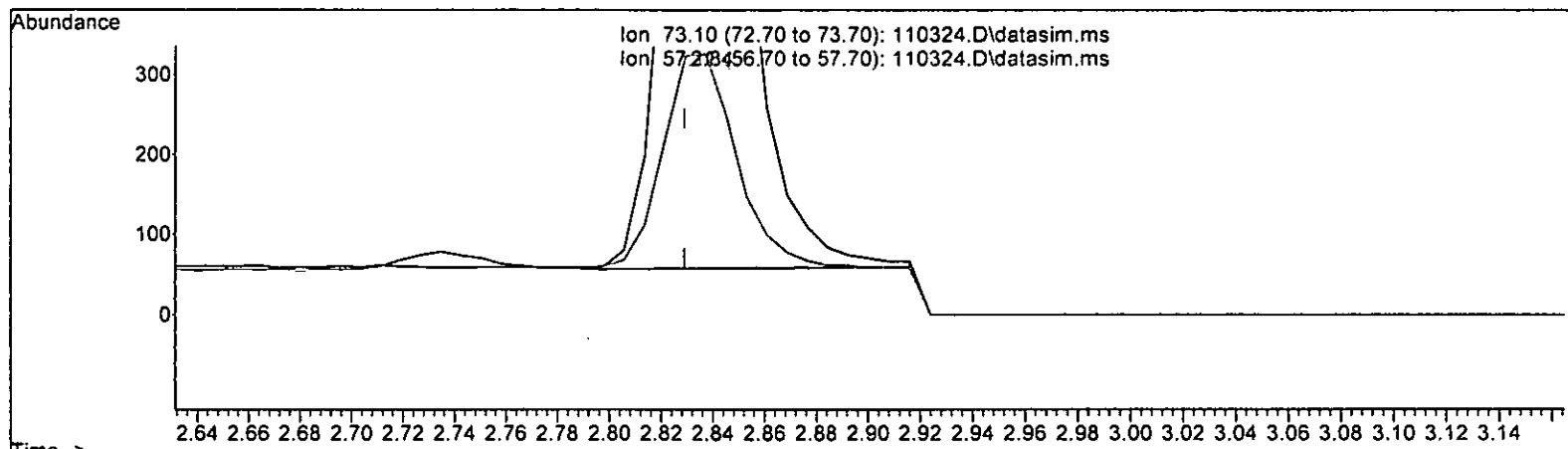
TIC: 110324.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)		
2.837min (+ 0.008) 0.638 ppb		
response	2502	
Ion	Exp%	Act%
73.10	100.00	100.00
57.10	23.10	27.85
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110324.D
 Acq On : 03 Nov 2022 03:39 pm
 Operator : LM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 14 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 13:09:33 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M



TIC: 110324.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

2.837min (+ 0.008) 0.527 ppb m

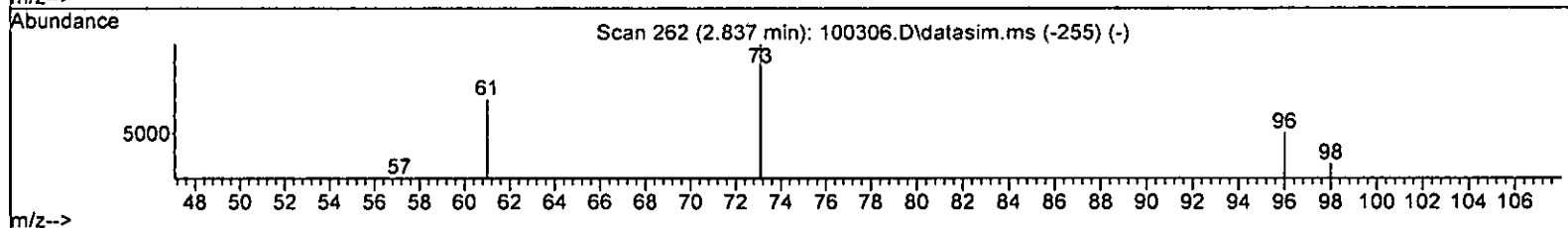
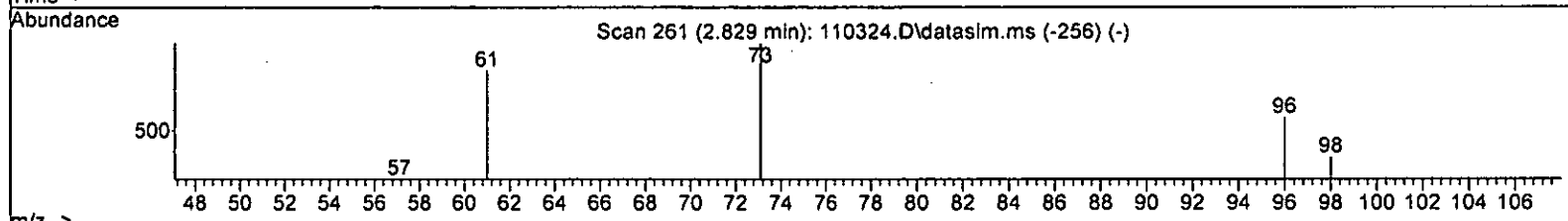
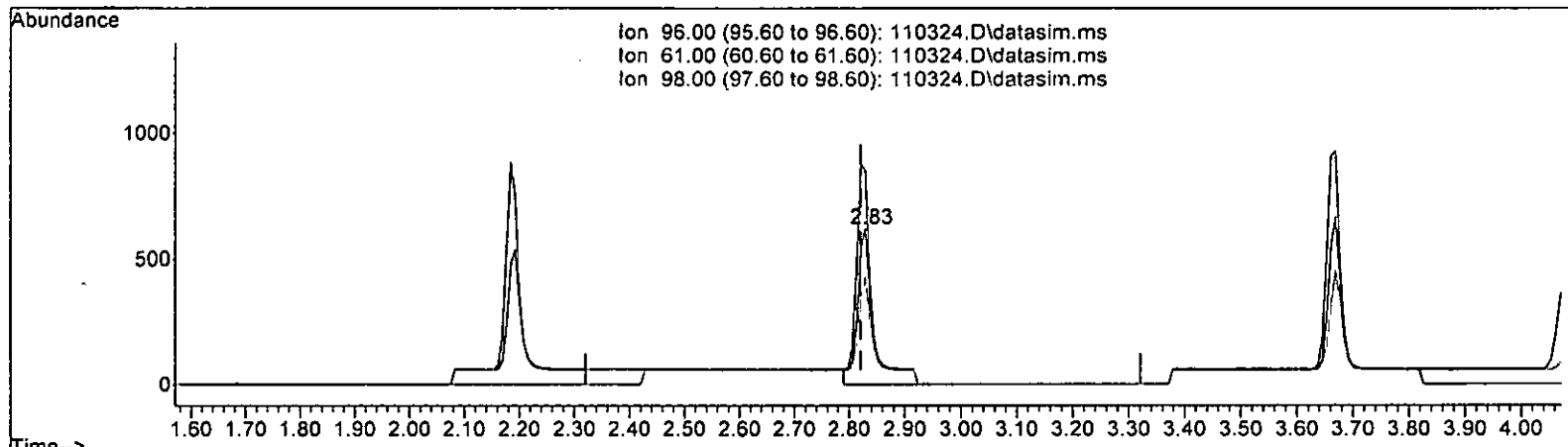
response 2068

Ion	Exp%	Act%
73.10	100.00	100.00
57.10	23.10	27.85
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110324.D
 Acq On : 03 Nov 2022 03:39 pm
 Operator : LM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 14 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 13:09:33 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M



TIC: 110324.D\data.ms

(17) trans-1,2-Dichloroethene (TMP)

2.829min (+ 0.008) 0.775 ppb

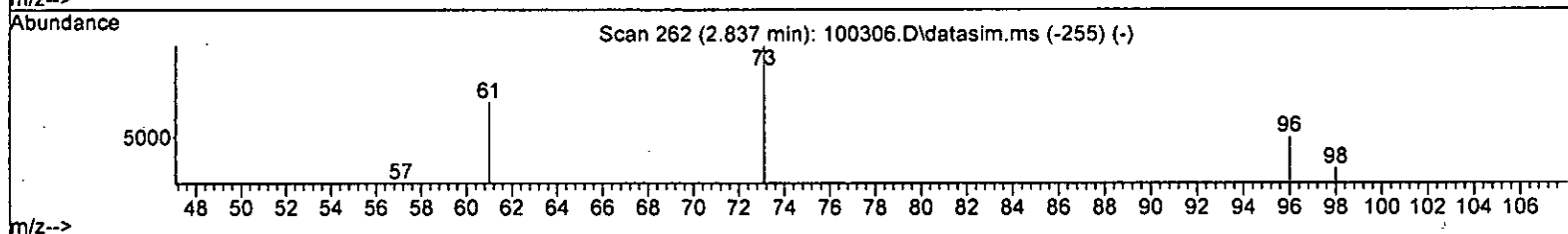
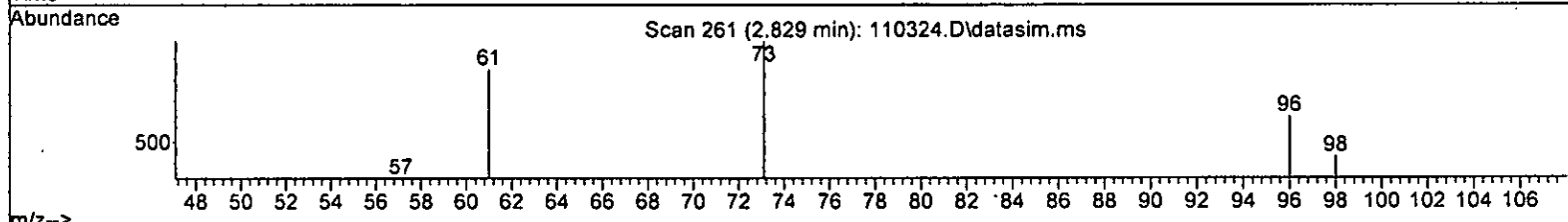
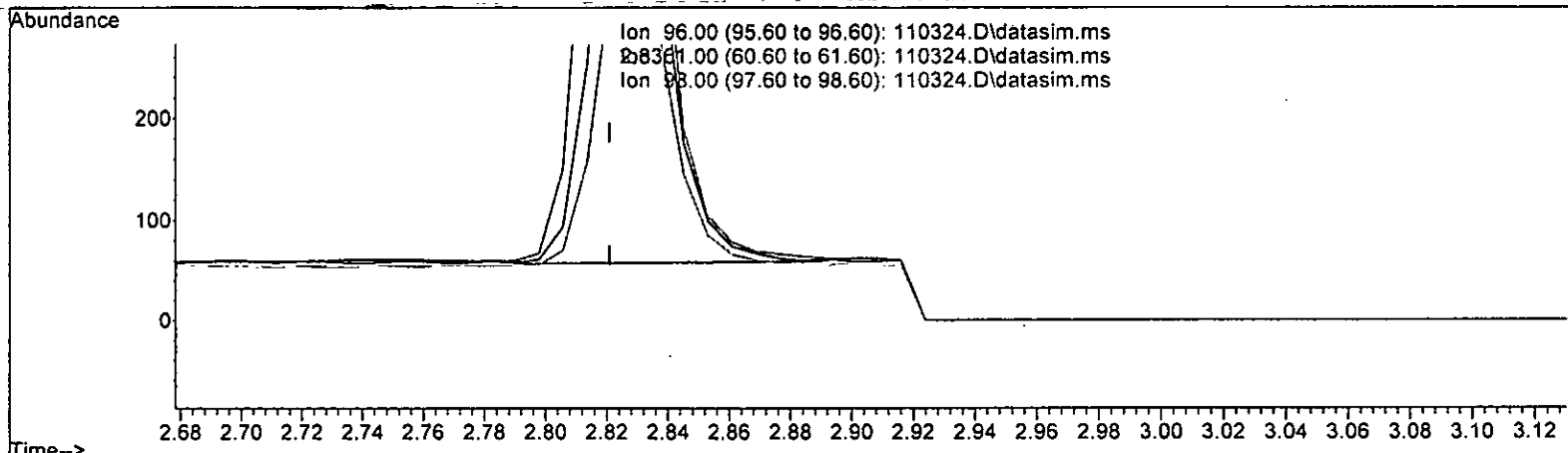
response 1290

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	138.60	136.94
98.00	66.00	68.71
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110324.D
 Acq On : 03 Nov 2022 03:39 pm
 Operator : LM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 14 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 13:09:33 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M



TIC: 110324.D\data.ms

(17) trans-1,2-Dichloroethene (TMP)

2.829min (+ 0.008) 0.511 ppb m

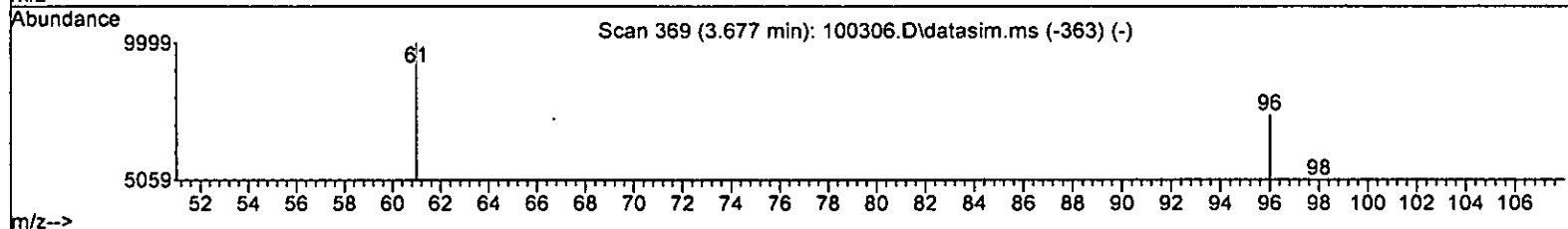
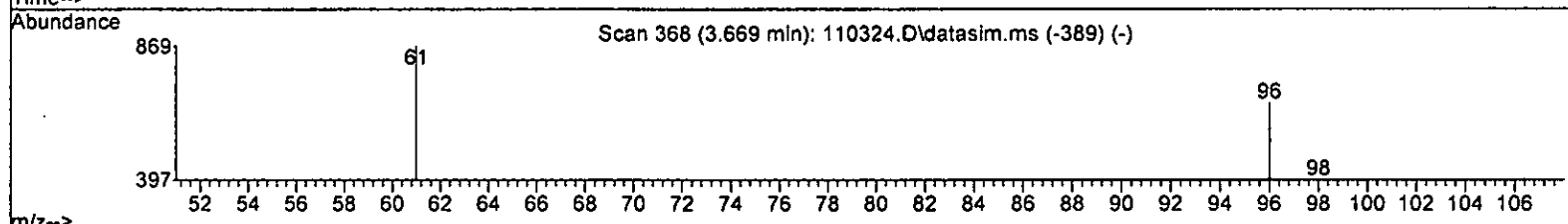
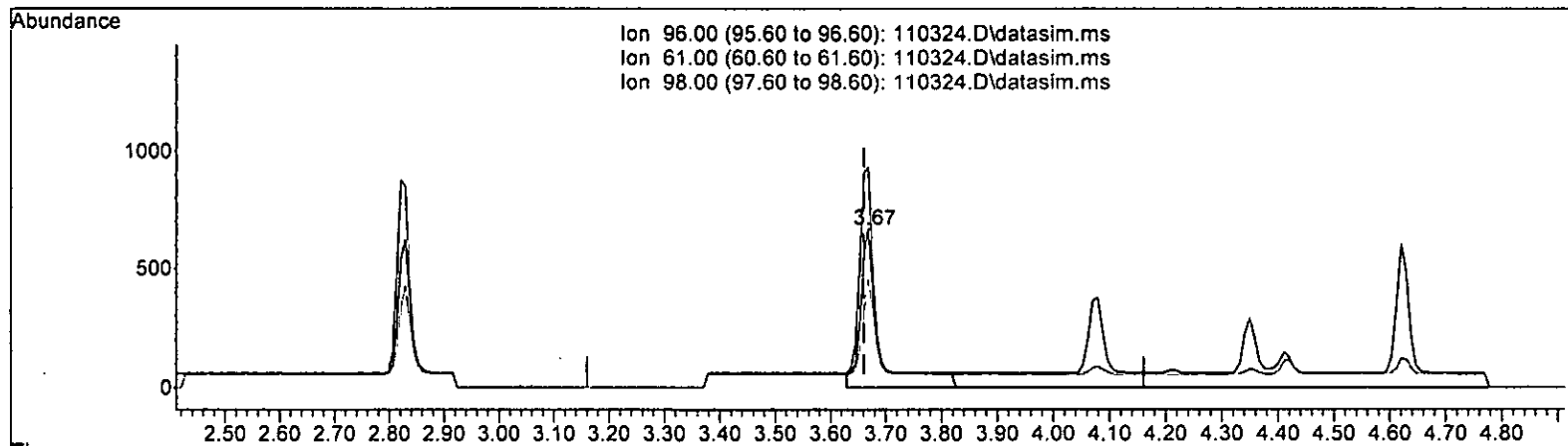
response 850

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	138.60	136.94
98.00	66.00	68.71
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110324.D
 Acq On : 03 Nov 2022 03:39 pm
 Operator : LM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 14 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 13:09:33 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M



TIC: 110324.D\data.ms

(22) cis-1,2-Dichloroethene (TMP)

3.669min (+ 0.008) 0.889 ppb

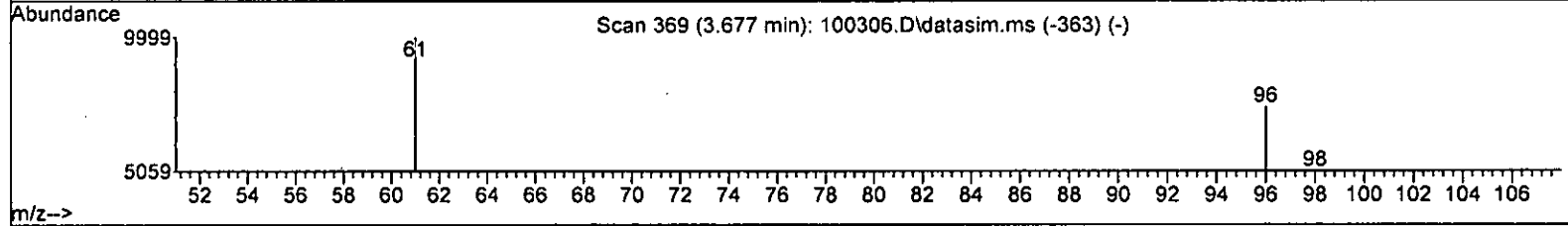
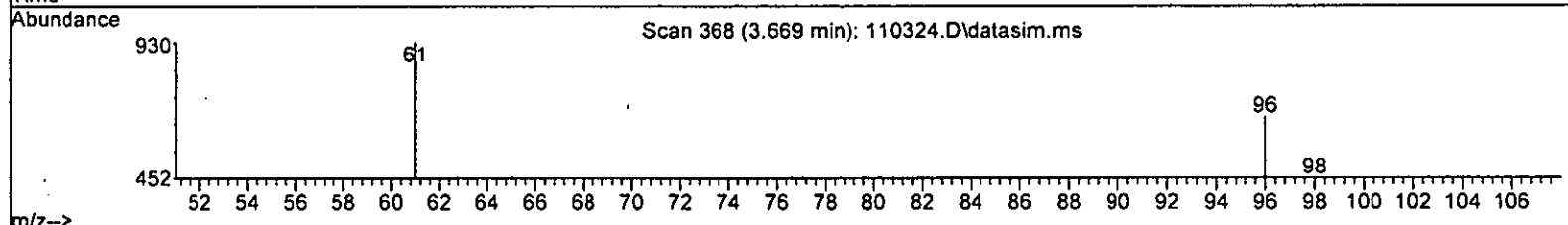
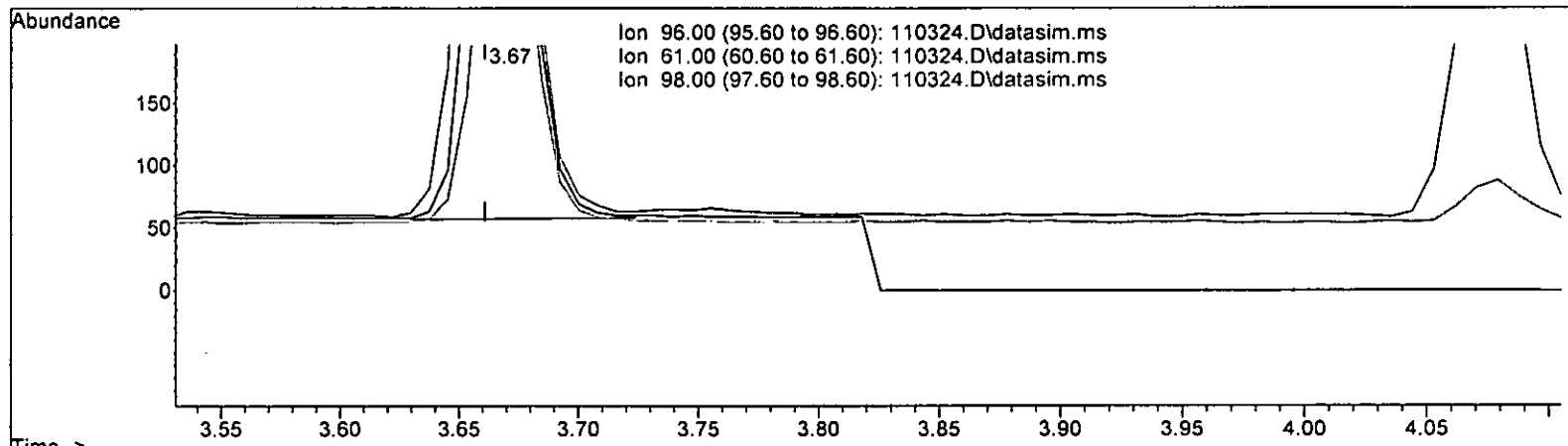
response 1576

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	137.30	130.63
98.00	66.70	59.61
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110324.D
 Acq On : 03 Nov 2022 03:39 pm
 Operator : LM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 14 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 13:09:33 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M



TIC: 110324.D\data.ms

(22) cis-1,2-Dichloroethene (TMP)

3.669min (+ 0.008) 0.513 ppb m

response 910

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	137.30	139.79
98.00	66.70	67.87
0.00	0.00	0.00

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110324.D
 Acq On : 03 Nov 2022 03:39 pm
 Operator : LM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 14 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 13:09:33 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	4.63	96	56175	10.000	ppb	0.00	
39) Chlorobenzene-d5	7.27	117	38800	10.000	ppb	0.00	
56) 1,4-Dichlorobenzene-d4	9.48	152	23992	10.000	ppb	0.00	
System Monitoring Compounds							
3) Dibromofluoromethane	4.08	113	16744	10.526	ppb	0.00	
Spiked Amount	10.000	Range	50 - 150	Recovery	=	105.30%	
30) 1,2-Dichloroethane-d4	4.36	102	3606	10.188	ppb	0.00	
Spiked Amount	10.000	Range	79 - 128	Recovery	=	101.90%	
35) Toluene-d8	5.98	98	47195	9.464	ppb	0.00	
Spiked Amount	10.000	Range	84 - 121	Recovery	=	94.60%	
57) 4-Bromofluorobenzene	8.38	95	17516	9.763	ppb	0.00	
Spiked Amount	10.000	Range	84 - 116	Recovery	=	97.60%	
Target Compounds							
							Qvalue
2) Ethanol	0.00		0	N.D.			
4) Dichlorodifluoromethane	1.08	85	1920	0.443	ppb		91
5) Chloromethane	1.22	50	2835	0.539	ppb		93
6] Vinyl chloride	1.29	62	2423	0.515	ppb		99
7) Bromomethane	0.00		0	N.D.	d		
8] Chloroethane	1.59	64	1240m	0.525	ppb		
9) Trichlorofluoromethane	1.77	101	2640	0.516	ppb		87
10) 2-Propanol	0.00		0	N.D.			
11) Acetone	2.26	58	692	2.675	ppb		93
12] 1,1-Dichloroethene	2.19	96	754m	0.512	ppb		
13) Hexane	3.05	57	1106	0.483	ppb		94
14) Methylene chloride	0.00		0	N.D.	d		
15) t-Butyl alcohol (TBA)	2.74	59	464	2.436	ppb		44
16] Methyl t-butyl ether (...)	2.84	73	2068m	0.527	ppb		
17] trans-1,2-Dichloroethene	2.83	96	850m	0.511	ppb		
18) Diisopropyl ether (DIPE)	3.24	45	2513	0.519	ppb		96
19] 1,1-Dichloroethane	3.18	63	1551	0.524	ppb		99
20) Ethyl t-butyl ether (E...)	3.55	87	688	0.422	ppb	#	69
21) 2,2-Dichloropropane	3.66	77	1168	0.583	ppb		88
22] cis-1,2-Dichloroethene	3.67	96	910m	0.513	ppb		
23) Chloroform	3.94	83	1752	0.628	ppb		90
24) 2-Butanone (MEK)	3.71	43	2453	2.563	ppb		83
25) t-Amyl methyl ether (T...)	4.49	73	1914	0.507	ppb		91
26] 1,2-Dichloroethane (EDC)	4.41	62	1087	0.516	ppb		98
27] 1,1,1-Trichloroethane	4.08	97	1245	0.518	ppb		98
28) 1,1-Dichloropropene	4.22	75	941	0.483	ppb		83
29) Carbon tetrachloride	4.21	117	1036	0.496	ppb		83
31] Benzene	4.38	78	2922	0.492	ppb		95
32] Trichloroethene	4.93	95	812	0.465	ppb		94
33) 1,2-Dichloropropane	5.12	63	746	0.499	ppb	#	89
34) Bromodichloromethane	5.37	83	932	0.520	ppb		85
36) Dibromomethane	5.23	93	469	0.515	ppb	#	71

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110324.D
 Acq On : 03 Nov 2022 03:39 pm
 Operator : LM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 14 Sample Multiplier: 1
 InstName : GCMS11

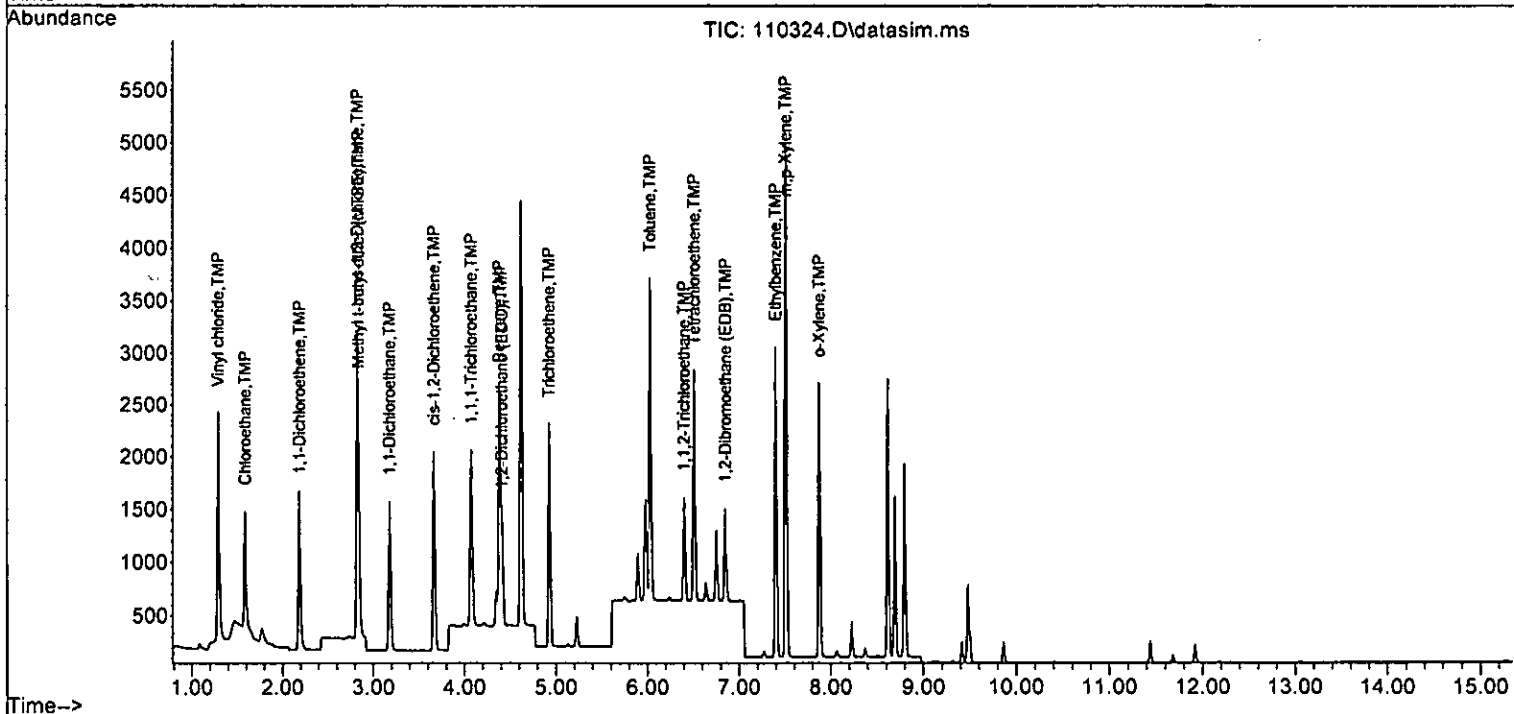
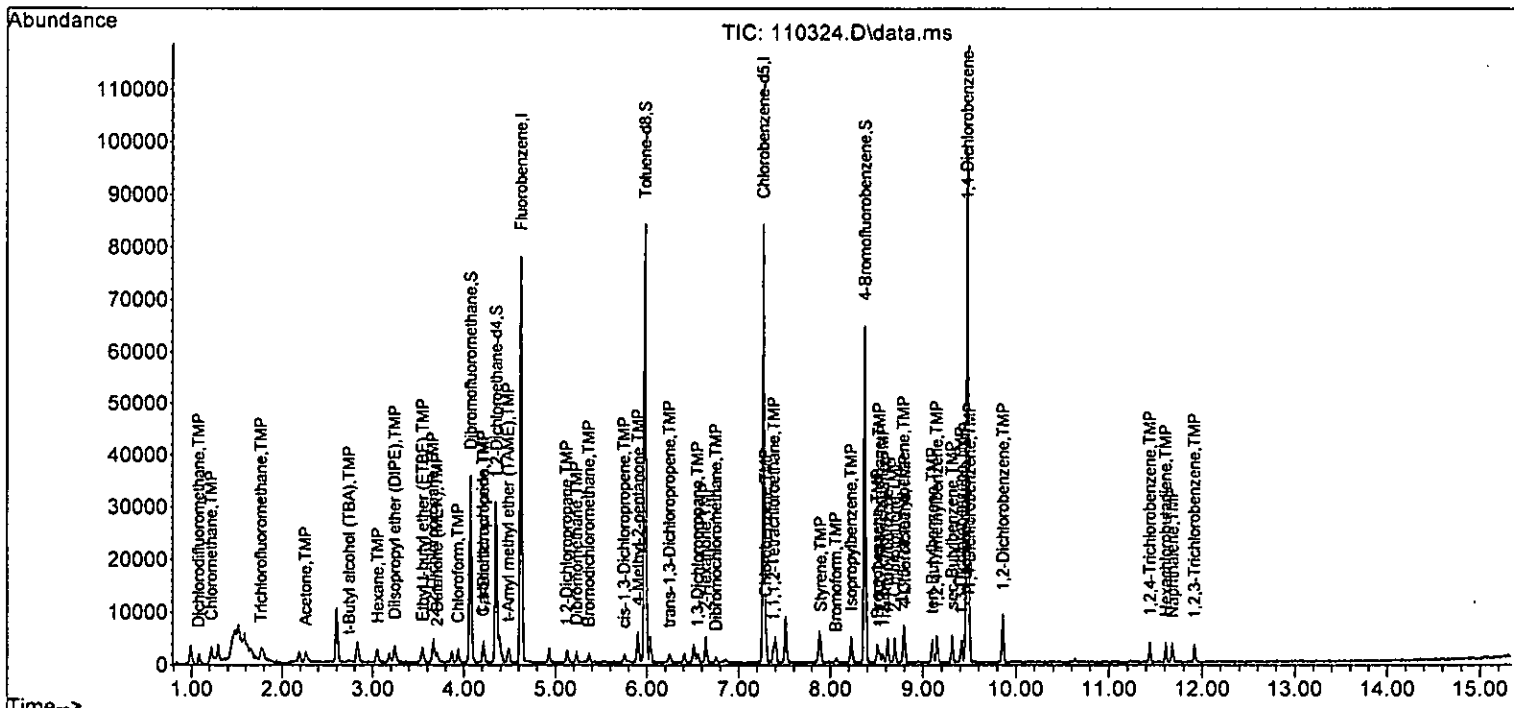
Quant Time: Nov 07 13:09:33 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	5.91	85	631	2.479	ppb	92
38) cis-1,3-Dichloropropene	5.75	75	978	0.479	ppb	93
40] Toluene	6.03	92	1653	0.490	ppb	93
41) trans-1,3-Dichloropropene	6.25	75	751	0.477	ppb	96
42] 1,1,2-Trichloroethane	6.40	83	489	0.504	ppb	93
43) 2-Hexanone	6.64	43	2658	2.556	ppb	91
44) 1,3-Dichloropropane	6.55	76	898	0.538	ppb	78
45] Tetrachloroethene	6.51	164	756	0.509	ppb	96
46) Dibromochloromethane	6.75	129	628	0.470	ppb	100
47] 1,2-Dibromoethane (EDB)	6.85	107	594	0.483	ppb	96
48) Chlorobenzene	7.29	112	1727	0.483	ppb	92
49] Ethylbenzene	7.40	91	3018	0.485	ppb	92
50] 1,1,1,2-Tetrachloroethane	7.38	131	722	0.523	ppb	91
51] m,p-Xylene	7.51	106	2331	0.959	ppb	84
52] o-Xylene	7.88	106	1178	0.488	ppb	83
53) Styrene	7.90	104	1686	0.479	ppb	95
54) Isopropylbenzene	8.23	105	2912	0.481	ppb	97
55) Bromoform	8.06	173	502	0.502	ppb	93
58) n-Propylbenzene	8.62	91	3547	0.488	ppb	85
59) Bromobenzene	8.51	156	978	0.551	ppb	83
60] 1,3,5-Trimethylbenzene	8.79	105	2374	0.445	ppb	95
61) 1,1,2,2-Tetrachloroethane	8.53	83	886	0.515	ppb	74
62) 1,2,3-Trichloropropane	8.57	75	691	0.524	ppb	89
63) 2-Chlorotoluene	8.70	91	2244	0.512	ppb	84
64) 4-Chlorotoluene	8.81	91	2201	0.460	ppb	92
65) tert-Butylbenzene	9.10	119	1971	0.421	ppb	96
66) 1,2,4-Trimethylbenzene	9.15	105	2560	0.474	ppb	96
67) sec-Butylbenzene	9.31	105	2992	0.431	ppb	91
68) p-Isopropyltoluene	9.46	119	2698	0.449	ppb	91
69) 1,3-Dichlorobenzene	9.41	146	1759	0.511	ppb	77
70] 1,4-Dichlorobenzene	9.50	146	1649	0.481	ppb	95
71) 1,2-Dichlorobenzene	9.86	146	1840	0.537	ppb	92
72) 1,2-Dibromo-3-chloropr...	0.00		0	N.D.	d	
73) 1,2,4-Trichlorobenzene	11.44	180	1245	0.488	ppb	87
74) Hexachlorobutadiene	11.61	225	822	0.550	ppb	71
75) Naphthalene	11.68	128	2770	0.489	ppb	95
76) 1,2,3-Trichlorobenzene	11.92	180	1118	0.472	ppb	83

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110324.D
 Acq On : 03 Nov 2022 03:39 pm
 Operator : LM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 14 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 13:09:33 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M



Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110324.D
 Acq On : 03 Nov 2022 03:39 pm
 Operator : LM
 Sample : 0.5 ppb 8260 ICAL 67-1773
 Misc : soil/water
 ALS Vial : 14 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 13:09:33 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2 TMP	Ethanol	-1.000	0.000	0.0	0	-1.86#
3 S	Dibromofluoromethane	10.000	10.526	-5.3	100	0.00
4 TMP	Dichlorodifluoromethane	0.500	0.443	11.4	100	0.00
5 TMP	Chloromethane	0.500	0.539	-7.8	100	0.00
6 TMP	Vinyl chloride	0.500	0.515	-3.0	100	0.00
7 TMP	Bromomethane	-1.000	0.000	0.0	0	-1.52#
8 TMP	Chloroethane	0.500	0.525	-5.0	101	0.00
9 TMP	Trichlorofluoromethane	0.500	0.516	-3.2	100	0.00
10 TMP	2-Propanol	-1.000	0.000	0.0	0	-2.43#
11 TMP	Acetone	2.500	2.675	-7.0	100	0.00
12 TMP	1,1-Dichloroethene	0.500	0.512	-2.4	101	0.00
13 TMP	Hexane	0.500	0.483	3.4	100	0.00
14 TMP	Methylene chloride	-1.000	0.000	0.0	0	-2.60#
15 TMP	t-Butyl alcohol (TBA)	2.500	2.436	2.6	100	0.02
16 TMP	Methyl t-butyl ether (MTBE)	0.500	0.527	-5.4	98	0.00
17 TMP	trans-1,2-Dichloroethene	0.500	0.511	-2.2	97	0.00
18 TMP	Diisopropyl ether (DIPE)	0.500	0.519	-3.8	100	0.00
19 TMP	1,1-Dichloroethane	0.500	0.524	-4.8	100	0.00
20 TMP	Ethyl t-butyl ether (ETBE)	0.500	0.422	15.6	100	0.00
21 TMP	2,2-Dichloropropane	0.500	0.583	-16.6	100	0.00
22 TMP	cis-1,2-Dichloroethene	0.500	0.513	-2.6	100	0.00
23 TMP	Chloroform	0.500	0.628	-25.6#	100	0.00
24 TMP	2-Butanone (MEK)	2.500	2.563	-2.5	100	0.00
25 TMP	t-Amyl methyl ether (TAME)	0.500	0.507	-1.4	100	0.00
26 TMP	1,2-Dichloroethane (EDC)	0.500	0.516	-3.2	100	0.00
27 TMP	1,1,1-Trichloroethane	0.500	0.518	-3.6	100	0.00
28 TMP	1,1-Dichloropropene	0.500	0.483	3.4	100	0.00
29 TMP	Carbon tetrachloride	0.500	0.496	0.8	100	0.00
30 S	1,2-Dichloroethane-d4	10.000	10.188	-1.9	100	0.00
31 TMP	Benzene	0.500	0.492	1.6	100	0.00
32 TMP	Trichloroethene	0.500	0.465	7.0	100	0.00
33 TMP	1,2-Dichloropropane	0.500	0.499	0.2	100	0.00
34 TMP	Bromodichloromethane	0.500	0.520	-4.0	100	0.00
35 S	Toluene-d8	10.000	9.464	5.4	100	0.00
36 TMP	Dibromomethane	0.500	0.515	-3.0	100	0.00
37 TMP	4-Methyl-2-pentanone	2.500	2.479	0.8	100	0.00
38 TMP	cis-1,3-Dichloropropene	0.500	0.479	4.2	100	0.00
39 I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40 TMP	Toluene	0.500	0.490	2.0	100	0.00
41 TMP	trans-1,3-Dichloropropene	0.500	0.477	4.6	100	0.00
42 TMP	1,1,2-Trichloroethane	0.500	0.504	-0.8	100	0.00
43 TMP	2-Hexanone	2.500	2.556	-2.2	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110324.D
 Acq On : 03 Nov 2022 03:39 pm
 Operator : LM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 14 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 13:09:33 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.500	0.538	-7.6	100	0.00
45 TMP Tetrachloroethene	0.500	0.509	-1.8	100	0.00
46 TMP Dibromochloromethane	0.500	0.470	6.0	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	0.500	0.483	3.4	100	0.00
48 TMP Chlorobenzene	0.500	0.483	3.4	100	0.00
49 TMP Ethylbenzene	0.500	0.485	3.0	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.500	0.523	-4.6	100	0.00
51 TMP m,p-Xylene	1.000	0.959	4.1	100	0.00
52 TMP o-Xylene	0.500	0.488	2.4	100	0.00
53 TMP Styrene	0.500	0.479	4.2	100	0.00
54 TMP Isopropylbenzene	0.500	0.481	3.8	100	0.00
55 TMP Bromoform	0.500	0.502	-0.4	100	0.00
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	10.000	9.763	2.4	100	0.00
58 TMP n-Propylbenzene	0.500	0.488	2.4	100	0.00
59 TMP Bromobenzene	0.500	0.551	-10.2	100	0.00
60 TMP 1,3,5-Trimethylbenzene	0.500	0.445	11.0	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.500	0.515	-3.0	100	0.00
62 TMP 1,2,3-Trichloropropane	0.500	0.524	-4.8	100	0.00
63 TMP 2-Chlorotoluene	0.500	0.512	-2.4	100	0.00
64 TMP 4-Chlorotoluene	0.500	0.460	8.0	100	0.00
65 TMP tert-Butylbenzene	0.500	0.421	15.8	100	0.00
66 TMP 1,2,4-Trimethylbenzene	0.500	0.474	5.2	100	0.00
67 TMP sec-Butylbenzene	0.500	0.431	13.8	100	0.00
68 TMP p-Isopropyltoluene	0.500	0.449	10.2	100	0.00
69 TMP 1,3-Dichlorobenzene	0.500	0.511	-2.2	100	0.00
70 TMP 1,4-Dichlorobenzene	0.500	0.481	3.8	100	0.00
71 TMP 1,2-Dichlorobenzene	0.500	0.537	-7.4	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	-1.000	0.000	0.0	0	-10.63#
73 TMP 1,2,4-Trichlorobenzene	0.500	0.488	2.4	100	0.00
74 TMP Hexachlorobutadiene	0.500	0.550	-10.0	100	0.00
75 TMP Naphthalene	0.500	0.489	2.2	100	0.00
76 TMP 1,2,3-Trichlorobenzene	0.500	0.472	5.6	100	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110324.D
 Acq On : 03 Nov 2022 03:39 pm
 Operator : LM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 14 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 13:09:33 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2 TMP	Ethanol	0.000	0.000#	0.0	0#	-1.86#
3 S	Dibromofluoromethane	0.283	0.298	-5.3	100	0.00
4 TMP	Dichlorodifluoromethane	0.771	0.684	11.3	100	0.00
5 TMP	Chloromethane	0.937	1.009	-7.7	100	0.00
6 TMP	Vinyl chloride	0.838	0.863	-3.0	100	0.00
7 TMP	Bromomethane	0.490	0.000#	100.0#	0#	-1.52#
8 TMP	Chloroethane	0.420	0.441	-5.0	101	0.00
9 TMP	Trichlorofluoromethane	0.910	0.940	-3.3	100	0.00
10 TMP	2-Propanol	0.000	0.000	0.0	0#	-2.43#
11 TMP	Acetone	0.046	0.049	-6.5	100	0.00
12 TMP	1,1-Dichloroethene	0.262	0.268	-2.3	101	0.00
13 TMP	Hexane	0.408	0.394	3.4	100	0.00
14 TMP	Methylene chloride	0.307	0.000#	100.0#	0#	-2.60#
15 TMP	t-Butyl alcohol (TBA)	0.034	0.033	2.9	100	0.02
16 TMP	Methyl t-butyl ether (MTBE)	0.698	0.736	-5.4	98	0.00
17 TMP	trans-1,2-Dichloroethene	0.296	0.303	-2.4	97	0.00
18 TMP	Diisopropyl ether (DIPE)	0.862	0.895	-3.8	100	0.00
19 TMP	1,1-Dichloroethane	0.527	0.552	-4.7	100	0.00
20 TMP	Ethyl t-butyl ether (ETBE)	0.290	0.245	15.5	100	0.00
21 TMP	2,2-Dichloropropane	0.356	0.416	-16.9	100	0.00
22 TMP	cis-1,2-Dichloroethene	0.316	0.324	-2.5	100	0.00
23 TMP	Chloroform	0.496	0.624	-25.8#	100	0.00
24 TMP	2-Butanone (MEK)	0.170	0.175	-2.9	100	0.00
25 TMP	t-Amyl methyl ether (TAME)	0.673	0.681	-1.2	100	0.00
26 TMP	1,2-Dichloroethane (EDC)	0.375	0.387	-3.2	100	0.00
27 TMP	1,1,1-Trichloroethane	0.428	0.443	-3.5	100	0.00
28 TMP	1,1-Dichloropropene	0.346	0.335	3.2	100	0.00
29 TMP	Carbon tetrachloride	0.372	0.369	0.8	100	0.00
30 S	1,2-Dichloroethane-d4	0.063	0.064	-1.6	100	0.00
31 TMP	Benzene	1.078	1.040	3.5	100	0.00
32 TMP	Trichloroethene	0.311	0.289	7.1	100	0.00
33 TMP	1,2-Dichloropropane	0.266	0.266	0.0	100	0.00
34 TMP	Bromodichloromethane	0.319	0.332	-4.1	100	0.00
35 S	Toluene-d8	0.888	0.840	5.4	100	0.00
36 TMP	Dibromomethane	0.162	0.167	-3.1	100	0.00
37 TMP	4-Methyl-2-pentanone	0.045	0.045	0.0	100	0.00
38 TMP	cis-1,3-Dichloropropene	0.364	0.348	4.4	100	0.00
39 I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40 TMP	Toluene	0.869	0.852	2.0	100	0.00
41 TMP	trans-1,3-Dichloropropene	0.405	0.387	4.4	100	0.00
42 TMP	1,1,2-Trichloroethane	0.260	0.252	3.1	100	0.00
43 TMP	2-Hexanone	0.268	0.274	-2.2	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110324.D
 Acq On : 03 Nov 2022 03:39 pm
 Operator : LM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 14 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 13:09:33 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.430	0.463	-7.7	100	0.00
45 TMP Tetrachloroethene	0.406	0.390	3.9	100	0.00
46 TMP Dibromochloromethane	0.344	0.324	5.8	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	0.317	0.306	3.5	100	0.00
48 TMP Chlorobenzene	0.922	0.890	3.5	100	0.00
49 TMP Ethylbenzene	1.605	1.556	3.1	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.356	0.372	-4.5	100	0.00
51 TMP m,p-Xylene	0.626	0.601	4.0	100	0.00
52 TMP o-Xylene	0.622	0.607	2.4	100	0.00
53 TMP Styrene	0.907	0.869	4.2	100	0.00
54 TMP Isopropylbenzene	1.561	1.501	3.8	100	0.00
55 TMP Bromoform	0.258	0.259	-0.4	100	0.00
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	0.748	0.730	2.4	100	0.00
58 TMP n-Propylbenzene	3.027	2.957	2.3	100	0.00
59 TMP Bromobenzene	0.740	0.815	-10.1	100	0.00
60 TMP 1,3,5-Trimethylbenzene	2.224	1.979	11.0	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.717	0.739	-3.1	100	0.00
62 TMP 1,2,3-Trichloropropane	0.549	0.576	-4.9	100	0.00
63 TMP 2-Chlorotoluene	1.828	1.871	-2.4	100	0.00
64 TMP 4-Chlorotoluene	1.994	1.835	8.0	100	0.00
65 TMP tert-Butylbenzene	1.953	1.643	15.9	100	0.00
66 TMP 1,2,4-Trimethylbenzene	2.250	2.134	5.2	100	0.00
67 TMP sec-Butylbenzene	2.892	2.494	13.8	100	0.00
68 TMP p-Isopropyltoluene	2.502	2.249	10.1	100	0.00
69 TMP 1,3-Dichlorobenzene	1.434	1.465	-2.2	100	0.00
70 TMP 1,4-Dichlorobenzene	1.430	1.375	3.8	100	0.00
71 TMP 1,2-Dichlorobenzene	1.428	1.534	-7.4	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	0.145	0.000#	100.0#	0#	-10.63#
73 TMP 1,2,4-Trichlorobenzene	1.063	1.038	2.4	100	0.00
74 TMP Hexachlorobutadiene	0.623	0.685	-10.0	100	0.00
75 TMP Naphthalene	2.362	2.309	2.2	100	0.00
76 TMP 1,2,3-Trichlorobenzene	0.987	0.932	5.6	100	0.00

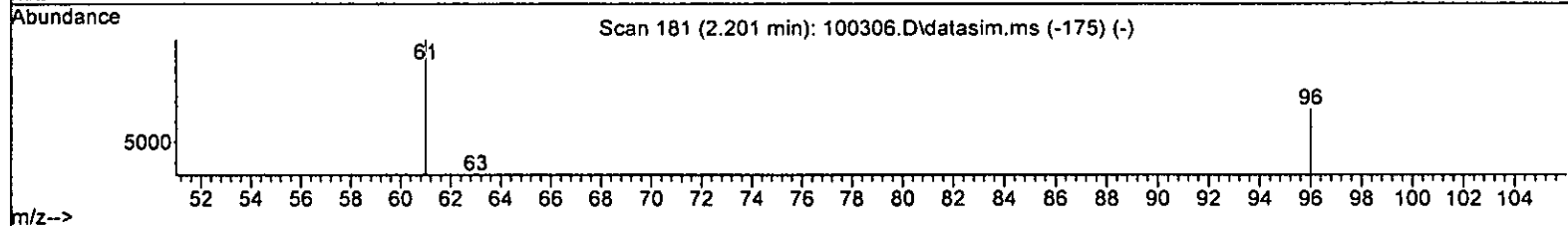
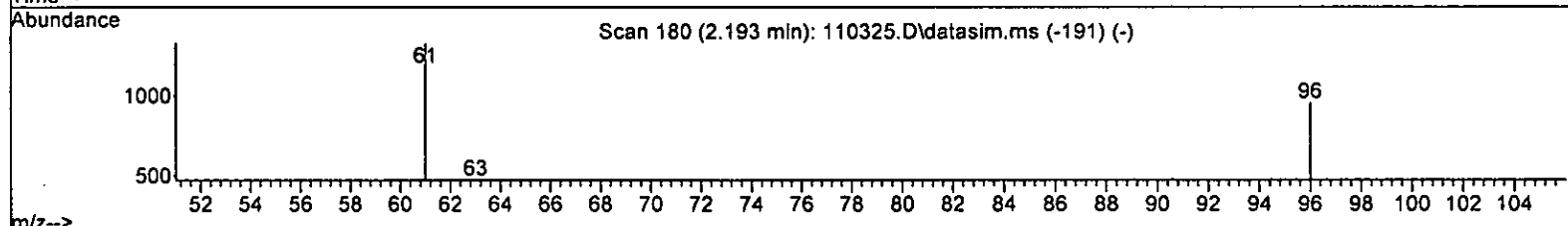
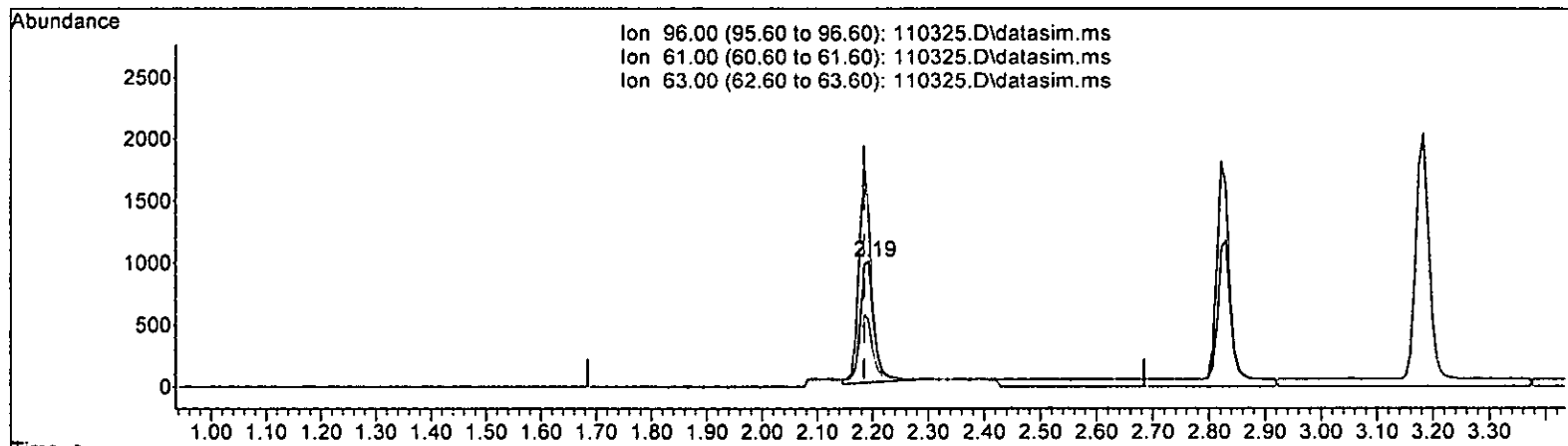
(#) = Out of Range

SPCC's out = 4 CCC's out = 0

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110325.D
 Acq On : 03 Nov 2022 04:01 pm
 Operator : LM
 Sample : 1 ppb 8260 ICAL 67-177K
 Misc : soil/water
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 13:09:35 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M



TIC: 110325.D\data.ms

(12) 1,1-Dichloroethene (TMP)

2.193min (+ 0.008) 1.135 ppb

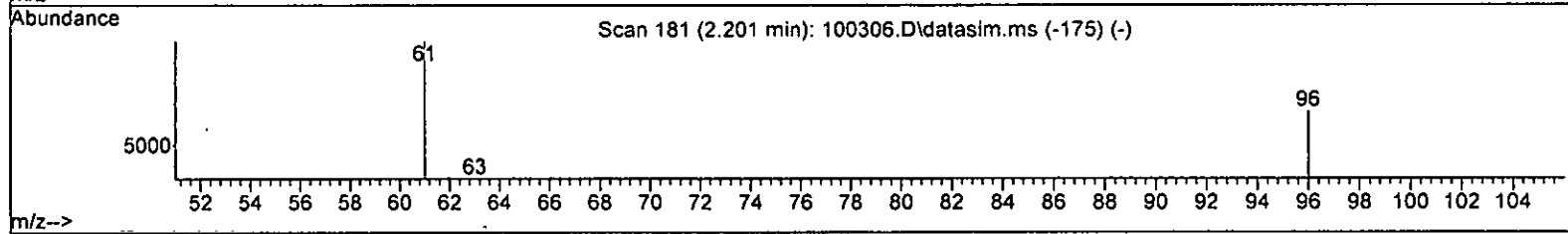
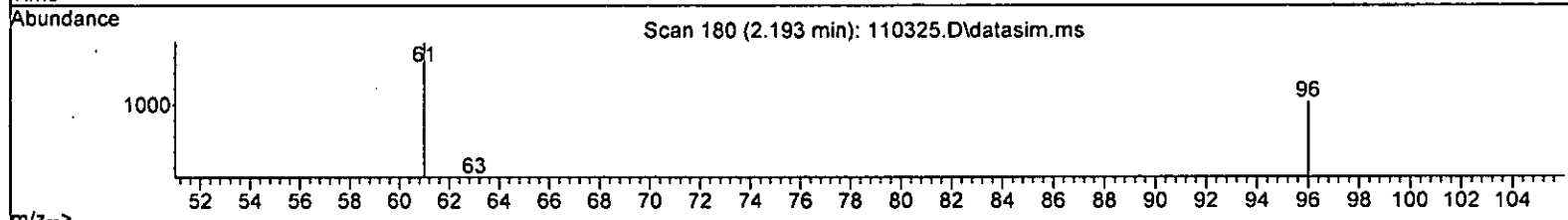
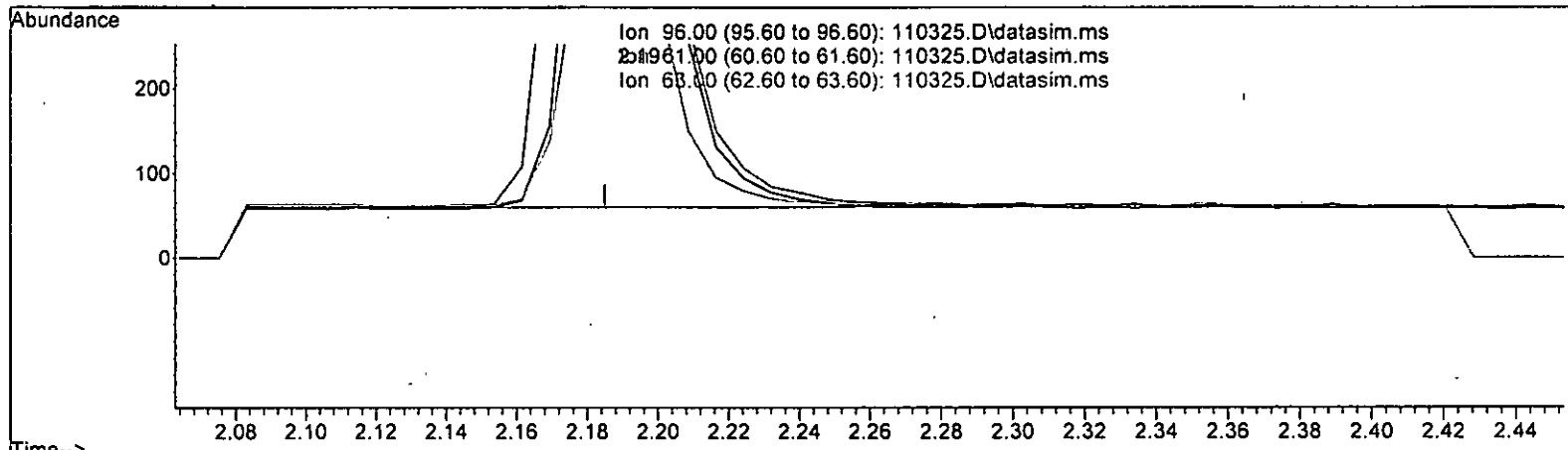
response 1709

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	155.80	139.64
63.00	52.50	49.48
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110325.D
 Acq On : 03 Nov 2022 04:01 pm
 Operator : LM
 Sample : 1 ppb 8260 ICAL 67-177K
 Misc : soil/water
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 13:09:35 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M



TIC: 110325.D\data.ms

(12) 1,1-Dichloroethene (TMP)

2.193min (+ 0.008) 1.031 ppb m

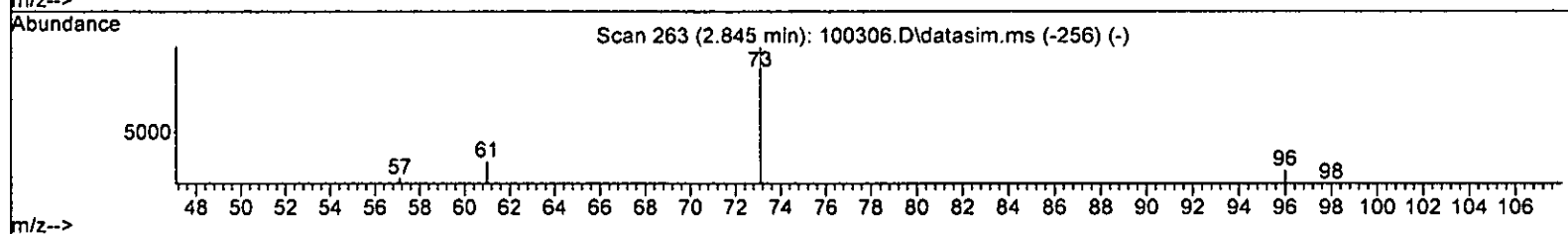
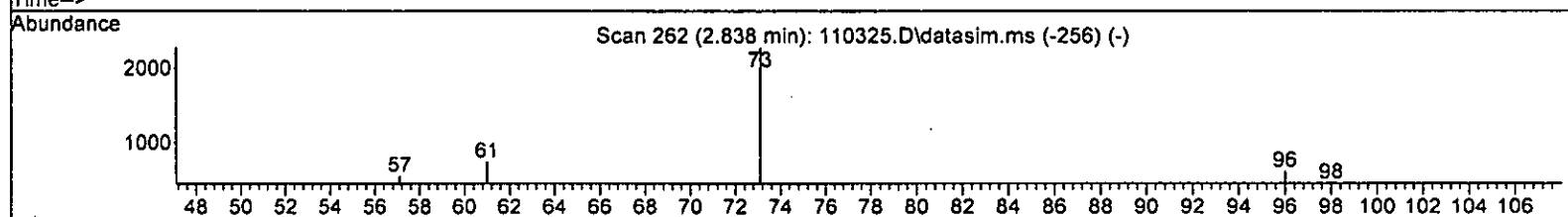
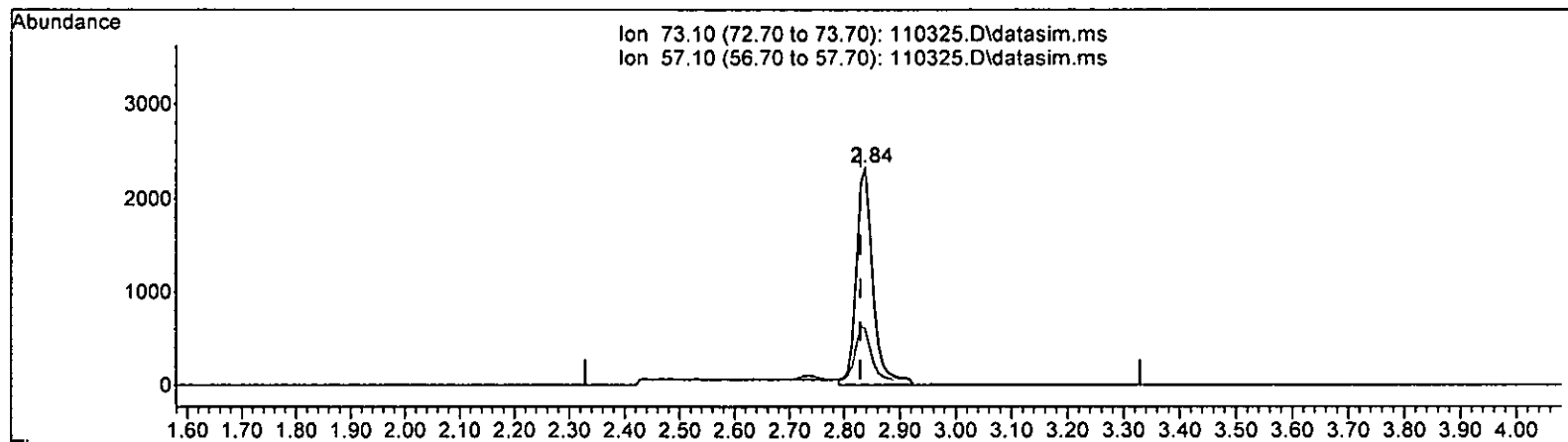
response 1552

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	155.80	137.44
63.00	52.50	52.71
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110325.D
 Acq On : 03 Nov 2022 04:01 pm
 Operator : LM
 Sample : 1 ppb 8260 ICAL 67-177K
 Misc : soil/water
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 13:09:35 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M



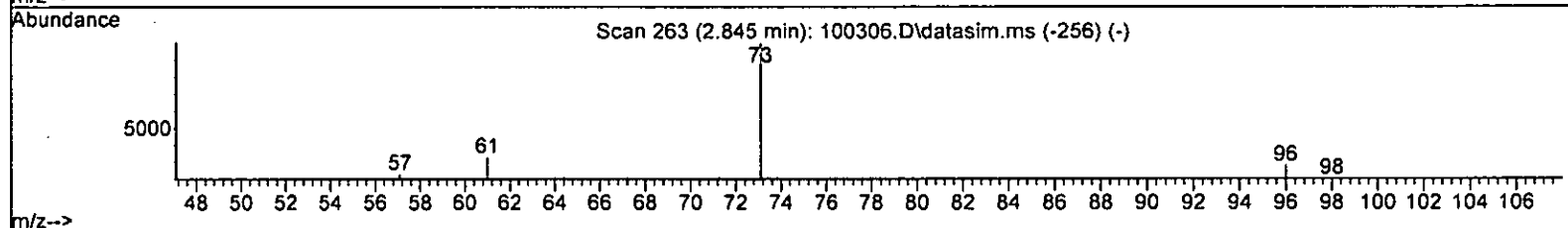
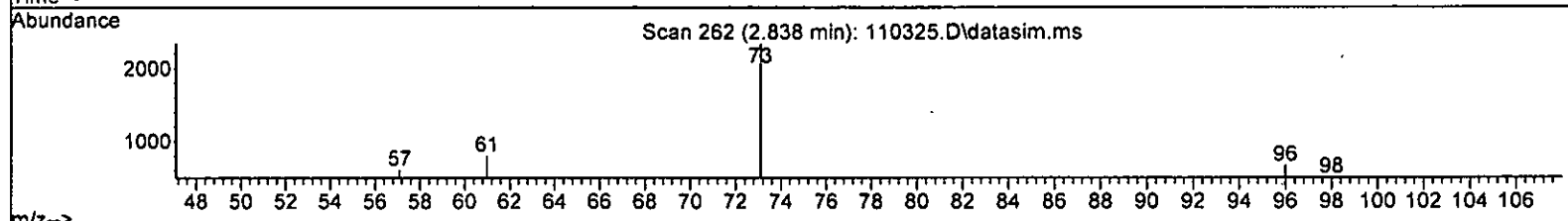
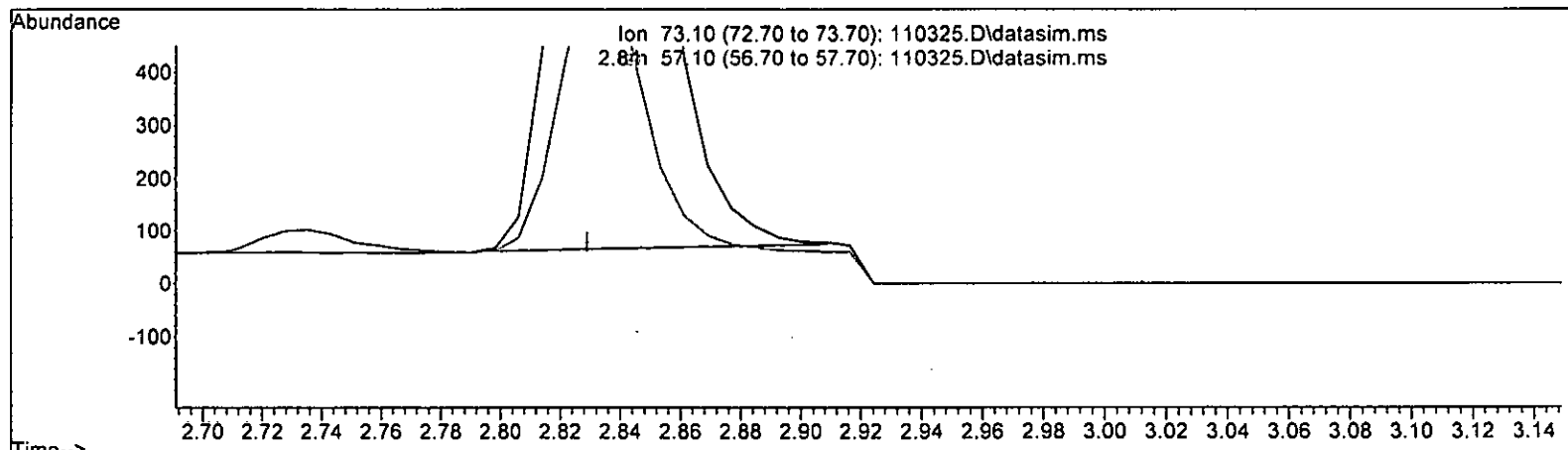
TIC: 110325.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)		
2.838min (+ 0.009) 1.191 ppb		
response	4774	
Ion	Exp%	Act%
73.10	100.00	100.00
57.10	23.10	25.81
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110325.D
 Acq On : 03 Nov 2022 04:01 pm
 Operator : LM
 Sample : 1 ppb 8260 ICAL 67-177K
 Misc : soil/water
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 13:09:35 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M



TIC: 110325.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

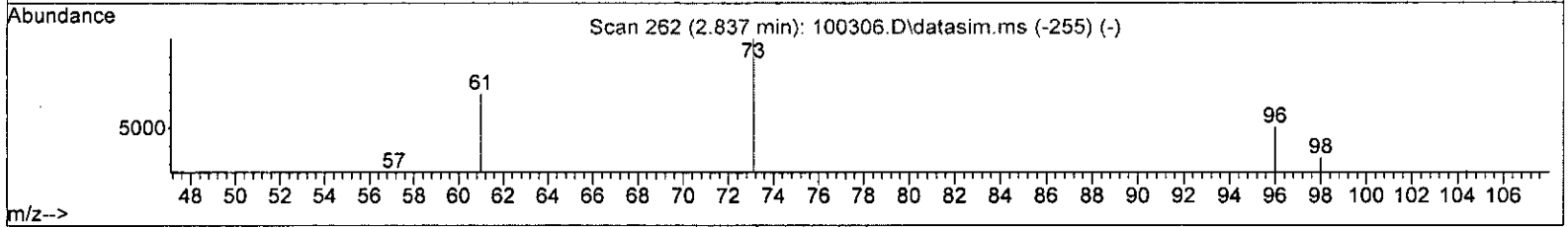
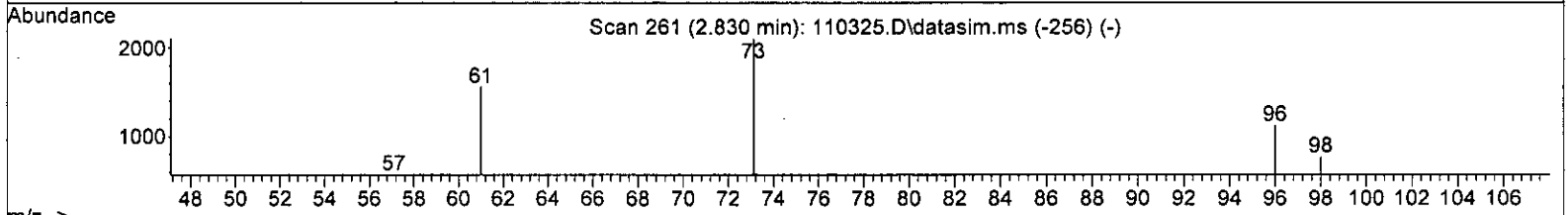
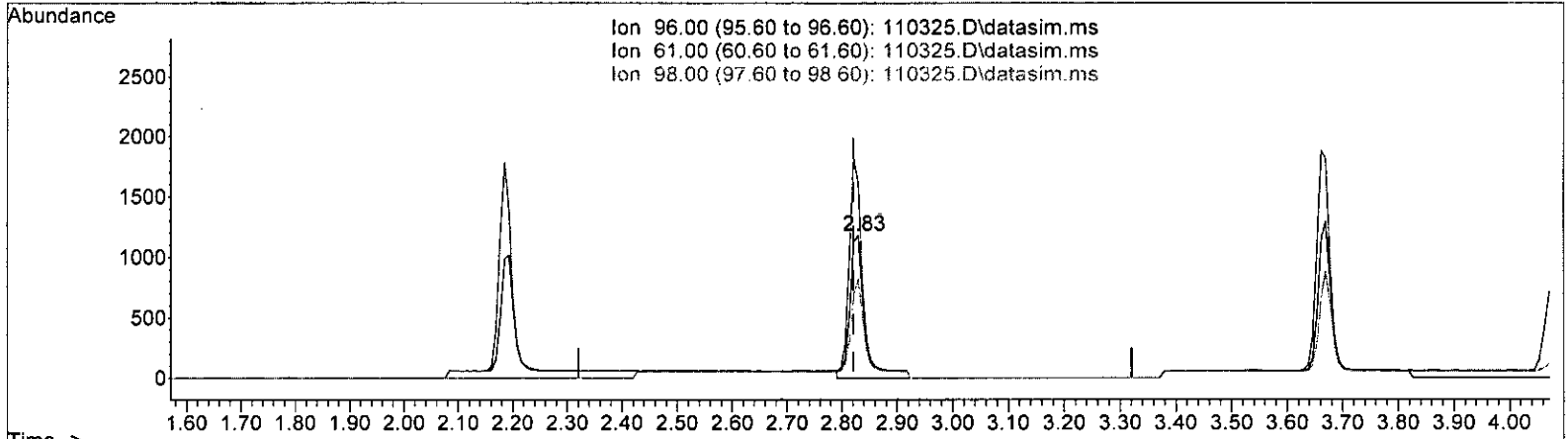
2.838min (+ 0.009) 1.064 ppb m

response	4263	
Ion	Exp%	Act%
73.10	100.00	100.00
57.10	23.10	25.81
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110325.D
 Acq On : 03 Nov 2022 04:01 pm
 Operator : LM
 Sample : 1 ppb 8260 ICAL 67-177K
 Misc : soil/water
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 13:09:35 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M



TIC: 110325.D\data.ms

(17) trans-1,2-Dichloroethene (TMP)

2.830min (+ 0.009) 1.288 ppb

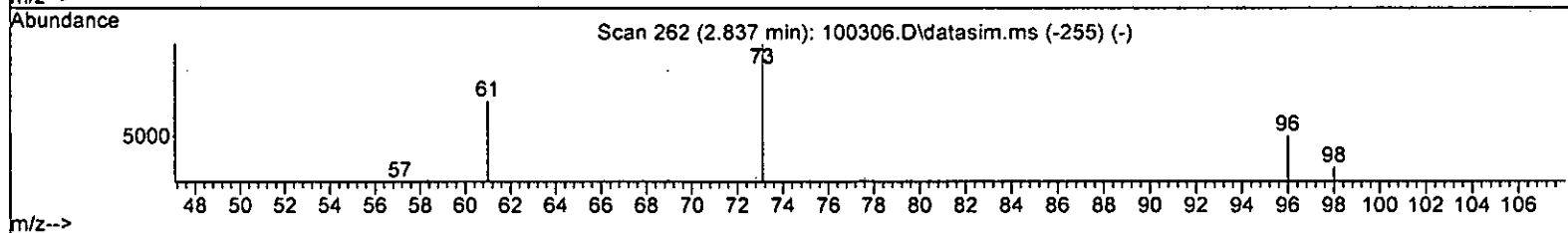
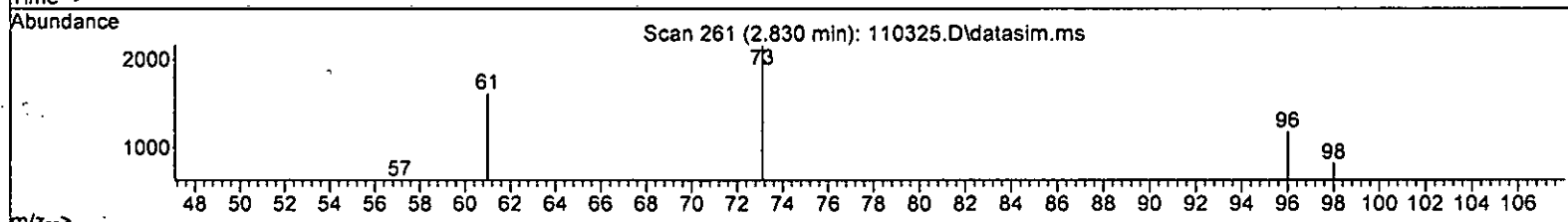
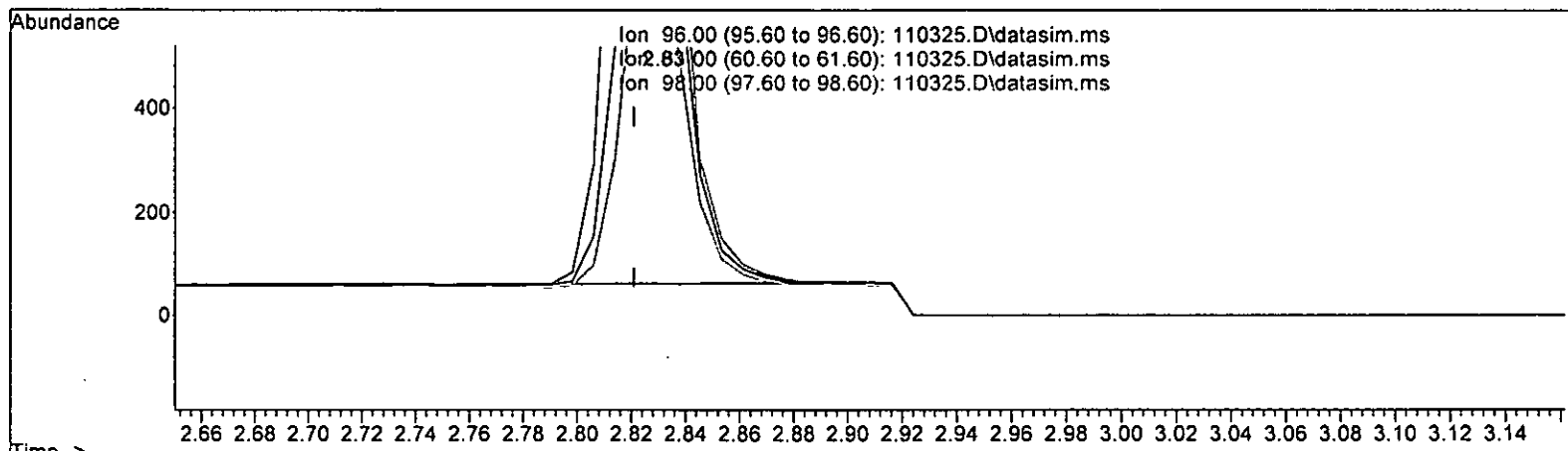
response 2192

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	138.60	136.81
98.00	66.00	69.30
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110325.D
 Acq On : 03 Nov 2022 04:01 pm
 Operator : LM
 Sample : 1 ppb 8260 ICAL 67-177K
 Misc : soil/water
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 13:09:35 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M



TIC: 110325.D\data.ms

(17) trans-1,2-Dichloroethene (TMP)

2.830min (+ 0.009) 1.016 ppb m

response 1729

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	138.60	136.81
98.00	66.00	69.30
0.00	0.00	0.00

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110325.D
 Acq On : 03 Nov 2022 04:01 pm
 Operator : LM
 Sample : 1 ppb 8260 ICAL 67-177K
 Misc : soil/water
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 13:09:35 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	4.63	96	57426	10.000	ppb	0.00	
39) Chlorobenzene-d5	7.27	117	40297	10.000	ppb	0.00	
56) 1,4-Dichlorobenzene-d4	9.48	152	23765	10.000	ppb	0.00	
System Monitoring Compounds							
3) Dibromofluoromethane	4.07	113	16413	10.093	ppb	0.00	
Spiked Amount	10.000	Range 50 - 150	Recovery	=	100.90%		
30) 1,2-Dichloroethane-d4	4.35	102	3732	10.314	ppb	0.00	
Spiked Amount	10.000	Range 79 - 128	Recovery	=	103.10%		
35) Toluene-d8	5.98	98	50414	9.890	ppb	0.00	
Spiked Amount	10.000	Range 84 - 121	Recovery	=	98.90%		
57) 4-Bromofluorobenzene	8.38	95	18004	10.130	ppb	0.00	
Spiked Amount	10.000	Range 84 - 116	Recovery	=	101.30%		
Target Compounds							
							Qvalue
2) Ethanol	0.00		0	N.D.			
4) Dichlorodifluoromethane	1.08	85	4196	0.947	ppb		98
5) Chloromethane	1.22	50	6021	1.119	ppb		94
6] Vinyl chloride	1.29	62	5078	1.055	ppb		97
7) Bromomethane	0.00		0	N.D.	d		
8] Chloroethane	1.59	64	2699	1.118	ppb		96
9) Trichlorofluoromethane	1.77	101	5536	1.059	ppb		94
10] 2-Propanol	0.00		0	N.D.			
11) Acetone	2.26	58	1261	4.769	ppb		89
12] 1,1-Dichloroethene	2.19	96	1552m	1.031	ppb		
13) Hexane	3.05	57	2330	0.995	ppb		85
14) Methylene chloride	0.00		0	N.D.	d		
15) t-Butyl alcohol (TBA)	2.73	59	1026	5.268	ppb		99
16] Methyl t-butyl ether (...)	2.84	73	4263m	1.064	ppb		
17] trans-1,2-Dichloroethene	2.83	96	1729m	1.016	ppb		
18) Diisopropyl ether (DIPE)	3.24	45	5124	1.035	ppb		88
19] 1,1-Dichloroethane	3.18	63	3223	1.066	ppb		100
20) Ethyl t-butyl ether (E...)	3.55	87	1764	1.059	ppb	#	73
21) 2,2-Dichloropropane	3.67	77	2277	1.113	ppb		96
22] cis-1,2-Dichloroethene	3.67	96	1890	1.043	ppb		98
23) Chloroform	3.94	83	3233	1.134	ppb		99
24) 2-Butanone (MEK)	3.70	43	4938	5.046	ppb		88
25) t-Amyl methyl ether (T...)	4.49	73	4039	1.046	ppb		99
26] 1,2-Dichloroethane (EDC)	4.41	62	2416	1.122	ppb		100
27] 1,1,1-Trichloroethane	4.08	97	2625	1.068	ppb		98
28) 1,1-Dichloropropene	4.22	75	2040	1.025	ppb		92
29) Carbon tetrachloride	4.21	117	2113	0.989	ppb		82
31] Benzene	4.39	78	6468	1.091	ppb		96
32] Trichloroethene	4.93	95	1781	0.997	ppb		94
33) 1,2-Dichloropropane	5.13	63	1661	1.086	ppb	#	89
34) Bromodichloromethane	5.37	83	1984	1.083	ppb		92
36) Dibromomethane	5.23	93	927	0.995	ppb		86

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110325.D
 Acq On : 03 Nov 2022 04:01 pm
 Operator : LM
 Sample : 1 ppb 8260 ICAL 67-177K
 Misc : soil/water
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS11

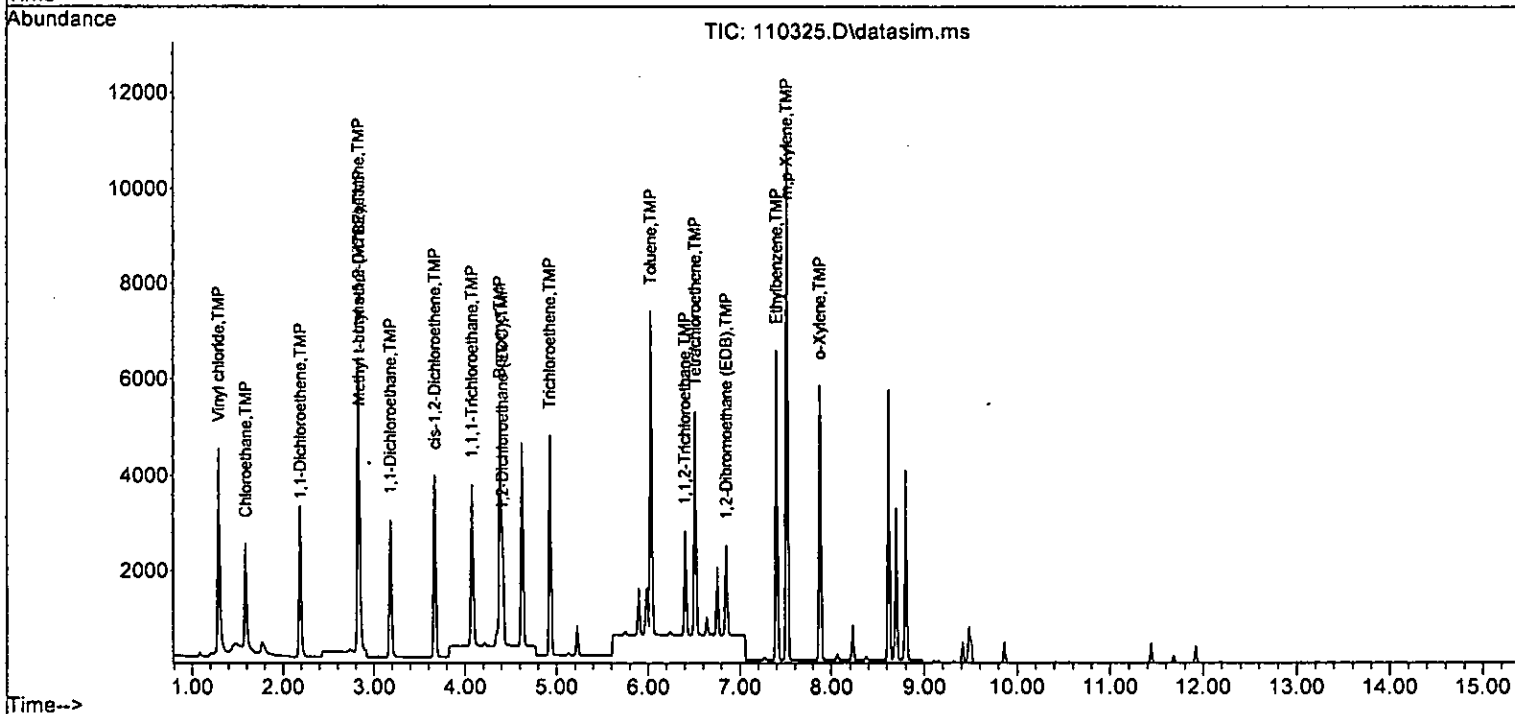
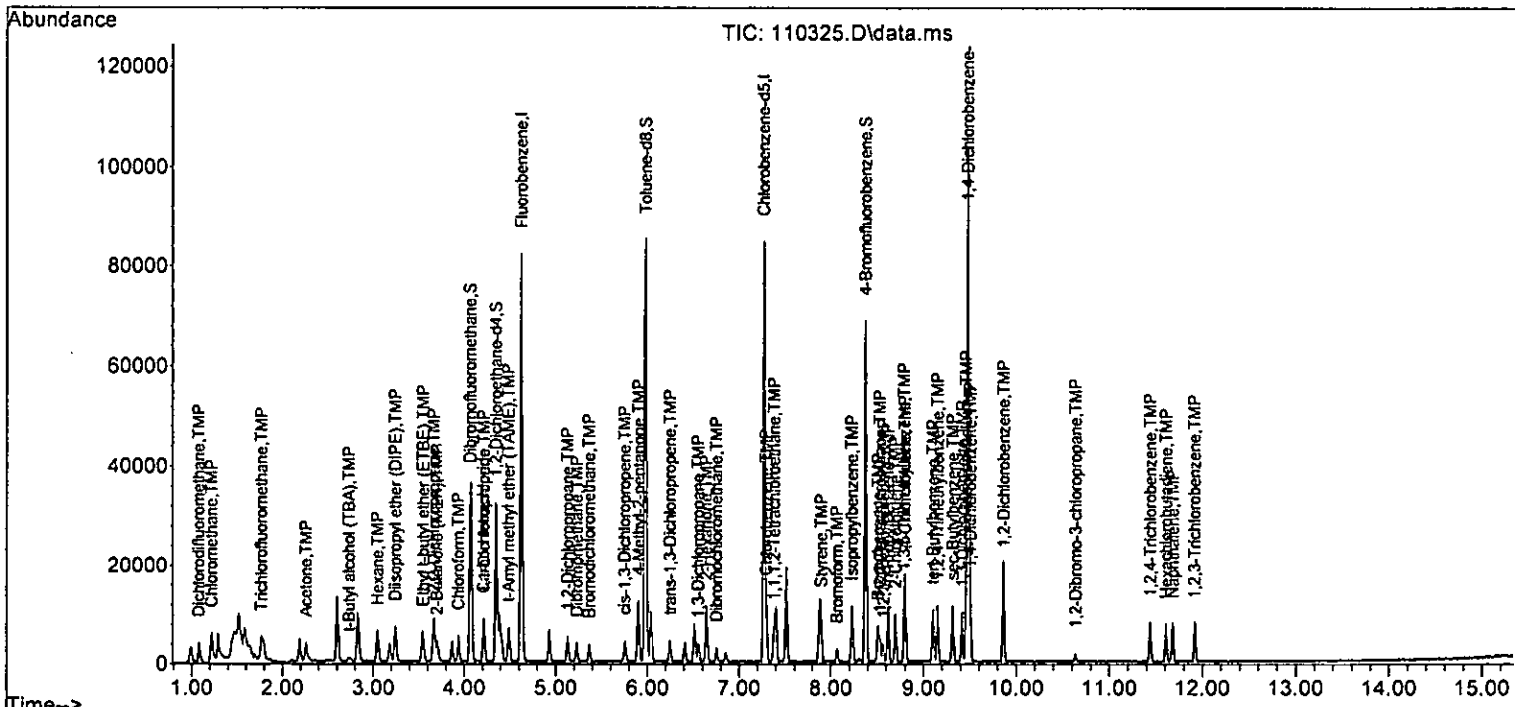
Quant Time: Nov 07 13:09:35 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	5.91	85	1265	4.861	ppb	90
38) cis-1,3-Dichloropropene	5.75	75	2078	0.995	ppb	91
40] Toluene	6.03	92	3640	1.040	ppb	92
41) trans-1,3-Dichloropropene	6.25	75	1662	1.017	ppb	91
42] 1,1,2-Trichloroethane	6.40	83	1094	1.121	ppb	90
43) 2-Hexanone	6.64	43	6050	5.602	ppb	96
44) 1,3-Dichloropropane	6.55	76	1887	1.089	ppb	80
45] Tetrachloroethene	6.51	164	1607	1.100	ppb	96
46) Dibromochloromethane	6.75	129	1459	1.052	ppb	87
47] 1,2-Dibromoethane (EDB)	6.85	107	1327	1.039	ppb	97
48) Chlorobenzene	7.30	112	4092	1.101	ppb	93
49] Ethylbenzene	7.40	91	6558	1.014	ppb	93
50) 1,1,1,2-Tetrachloroethane	7.38	131	1578	1.101	ppb	90
51] m,p-Xylene	7.51	106	5059	2.005	ppb	85
52] o-Xylene	7.88	106	2547	1.016	ppb	84
53) Styrene	7.90	104	3714	1.016	ppb	86
54) Isopropylbenzene	8.23	105	6461	1.027	ppb	99
55) Bromoform	8.07	173	1051	1.012	ppb	94
58) n-Propylbenzene	8.62	91	7237	1.006	ppb	98
59) Bromobenzene	8.51	156	1881	1.069	ppb	87
60) 1,3,5-Trimethylbenzene	8.79	105	5300	1.003	ppb	97
61) 1,1,2,2-Tetrachloroethane	8.53	83	1708	1.002	ppb	91
62) 1,2,3-Trichloropropane	8.57	75	1384	1.060	ppb	91
63) 2-Chlorotoluene	8.70	91	4673	1.076	ppb	96
64) 4-Chlorotoluene	8.80	91	4913	1.037	ppb	82
65) tert-Butylbenzene	9.10	119	4640	1.000	ppb	96
66) 1,2,4-Trimethylbenzene	9.15	105	5330	0.997	ppb	92
67) sec-Butylbenzene	9.31	105	6702	0.975	ppb	96
68) p-Isopropyltoluene	9.46	119	5792	0.974	ppb	94
69) 1,3-Dichlorobenzene	9.42	146	3687	1.082	ppb	93
70) 1,4-Dichlorobenzene	9.50	146	3886	1.143	ppb	95
71) 1,2-Dichlorobenzene	9.86	146	3422	1.008	ppb	93
72) 1,2-Dibromo-3-chloropr...	10.64	75	367	1.062	ppb	96
73) 1,2,4-Trichlorobenzene	11.44	180	2545	1.007	ppb	94
74) Hexachlorobutadiene	11.61	225	1496	1.010	ppb	92
75) Naphthalene	11.68	128	5599	0.997	ppb	97
76) 1,2,3-Trichlorobenzene	11.91	180	2425	1.034	ppb	92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110325.D
 Acq On : 03 Nov 2022 04:01 pm
 Operator : LM
 Sample : 1 ppb 8260 ICAL 67-177K
 Misc : soil/water
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 13:09:35 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M



Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110325.D
 Acq On : 03 Nov 2022 04:01 pm
 Operator : LM
 Sample : 1 ppb 8260 ICAL 67-177K
 Misc : soil/water
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 13:09:35 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I Fluorobenzene	10.000	10.000	0.0	100	0.00
2 TMP Ethanol	-1.000	0.000	0.0	0	-1.86#
3 S Dibromofluoromethane	10.000	10.093	-0.9	100	0.00
4 TMP Dichlorodifluoromethane	1.000	0.947	5.3	100	0.00
5 TMP Chloromethane	1.000	1.119	-11.9	100	0.00
6 TMP Vinyl chloride	1.000	1.055	-5.5	100	0.00
7 TMP Bromomethane	-1.000	0.000	0.0	0	-1.52#
8 TMP Chloroethane	1.000	1.118	-11.8	104	0.00
9 TMP Trichlorofluoromethane	1.000	1.059	-5.9	100	0.00
10 TMP 2-Propanol	-1.000	0.000	0.0	0	-2.43#
11 TMP Acetone	5.000	4.769	4.6	100	0.00
12 TMP 1,1-Dichloroethene	1.000	1.031	-3.1	99	0.00
13 TMP Hexane	1.000	0.995	0.5	100	0.00
14 TMP Methylene chloride	-1.000	0.000	0.0	0	-2.60#
15 TMP t-Butyl alcohol (TBA)	5.000	5.268	-5.4	100	0.00
16 TMP Methyl t-butyl ether (MTBE)	1.000	1.064	-6.4	99	0.00
17 TMP trans-1,2-Dichloroethene	1.000	1.016	-1.6	99	0.00
18 TMP Diisopropyl ether (DIPE)	1.000	1.035	-3.5	100	0.00
19 TMP 1,1-Dichloroethane	1.000	1.066	-6.6	100	0.00
20 TMP Ethyl t-butyl ether (ETBE)	1.000	1.059	-5.9	100	0.00
21 TMP 2,2-Dichloropropane	1.000	1.113	-11.3	100	0.00
22 TMP cis-1,2-Dichloroethene	1.000	1.043	-4.3	100	0.00
23 TMP Chloroform	1.000	1.134	-13.4	100	0.00
24 TMP 2-Butanone (MEK)	5.000	5.046	-0.9	100	0.00
25 TMP t-Amyl methyl ether (TAME)	1.000	1.046	-4.6	100	0.00
26 TMP 1,2-Dichloroethane (EDC)	1.000	1.122	-12.2	100	0.00
27 TMP 1,1,1-Trichloroethane	1.000	1.068	-6.8	100	0.00
28 TMP 1,1-Dichloropropene	1.000	1.025	-2.5	100	0.00
29 TMP Carbon tetrachloride	1.000	0.989	1.1	100	0.00
30 S 1,2-Dichloroethane-d4	10.000	10.314	-3.1	100	0.00
31 TMP Benzene	1.000	1.091	-9.1	100	0.00
32 TMP Trichloroethene	1.000	0.997	0.3	100	0.00
33 TMP 1,2-Dichloropropane	1.000	1.086	-8.6	100	0.00
34 TMP Bromodichloromethane	1.000	1.083	-8.3	100	0.00
35 S Toluene-d8	10.000	9.890	1.1	100	0.00
36 TMP Dibromomethane	1.000	0.995	0.5	100	0.00
37 TMP 4-Methyl-2-pentanone	5.000	4.861	2.8	100	0.00
38 TMP cis-1,3-Dichloropropene	1.000	0.995	0.5	100	0.00
39 I Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40 TMP Toluene	1.000	1.040	-4.0	100	0.00
41 TMP trans-1,3-Dichloropropene	1.000	1.017	-1.7	100	0.00
42 TMP 1,1,2-Trichloroethane	1.000	1.121	-12.1	100	0.00
43 TMP 2-Hexanone	5.000	5.602	-12.0	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110325.D
 Acq On : 03 Nov 2022 04:01 pm
 Operator : LM
 Sample : 1 ppb 8260 ICAL 67-177K
 Misc : soil/water
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 13:09:35 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	1.000	1.089	-8.9	100	0.00
45 TMP Tetrachloroethene	1.000	1.100	-10.0	100	0.00
46 TMP Dibromochloromethane	1.000	1.052	-5.2	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	1.000	1.039	-3.9	100	0.00
48 TMP Chlorobenzene	1.000	1.101	-10.1	100	0.00
49 TMP Ethylbenzene	1.000	1.014	-1.4	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	1.000	1.101	-10.1	100	0.00
51 TMP m,p-Xylene	2.000	2.005	-0.2	100	0.00
52 TMP o-Xylene	1.000	1.016	-1.6	100	0.00
53 TMP Styrene	1.000	1.016	-1.6	100	0.00
54 TMP Isopropylbenzene	1.000	1.027	-2.7	100	0.00
55 TMP Bromoform	1.000	1.012	-1.2	100	0.00
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	10.000	10.130	-1.3	100	0.00
58 TMP n-Propylbenzene	1.000	1.006	-0.6	100	0.00
59 TMP Bromobenzene	1.000	1.069	-6.9	100	0.00
60 TMP 1,3,5-Trimethylbenzene	1.000	1.003	-0.3	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	1.000	1.002	-0.2	100	0.00
62 TMP 1,2,3-Trichloropropane	1.000	1.060	-6.0	100	0.00
63 TMP 2-Chlorotoluene	1.000	1.076	-7.6	100	0.00
64 TMP 4-Chlorotoluene	1.000	1.037	-3.7	100	0.00
65 TMP tert-Butylbenzene	1.000	1.000	0.0	100	0.00
66 TMP 1,2,4-Trimethylbenzene	1.000	0.997	0.3	100	0.00
67 TMP sec-Butylbenzene	1.000	0.975	2.5	100	0.00
68 TMP p-Isopropyltoluene	1.000	0.974	2.6	100	0.00
69 TMP 1,3-Dichlorobenzene	1.000	1.082	-8.2	100	0.00
70 TMP 1,4-Dichlorobenzene	1.000	1.143	-14.3	100	0.00
71 TMP 1,2-Dichlorobenzene	1.000	1.008	-0.8	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	1.000	1.062	-6.2	100	0.00
73 TMP 1,2,4-Trichlorobenzene	1.000	1.007	-0.7	100	0.00
74 TMP Hexachlorobutadiene	1.000	1.010	-1.0	100	0.00
75 TMP Naphthalene	1.000	0.997	0.3	100	0.00
76 TMP 1,2,3-Trichlorobenzene	1.000	1.034	-3.4	100	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110325.D
 Acq On : 03 Nov 2022 04:01 pm
 Operator : LM
 Sample : 1 ppb 8260 ICAL 67-177K
 Misc : soil/water
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 13:09:35 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2 TMP	Ethanol	0.000	0.000#	0.0	0#	-1.86#
3 S	Dibromofluoromethane	0.283	0.286	-1.1	100	0.00
4 TMP	Dichlorodifluoromethane	0.771	0.731	5.2	100	0.00
5 TMP	Chloromethane	0.937	1.048	-11.8	100	0.00
6 TMP	Vinyl chloride	0.838	0.884	-5.5	100	0.00
7 TMP	Bromomethane	0.490	0.000#	100.0#	0#	-1.52#
8 TMP	Chloroethane	0.420	0.470	-11.9	104	0.00
9 TMP	Trichlorofluoromethane	0.910	0.964	-5.9	100	0.00
10 TMP	2-Propanol	0.000	0.000	0.0	0#	-2.43#
11 TMP	Acetone	0.046	0.044	4.3	100	0.00
12 TMP	1,1-Dichloroethene	0.262	0.270	-3.1	99	0.00
13 TMP	Hexane	0.408	0.406	0.5	100	0.00
14 TMP	Methylene chloride	0.307	0.000#	100.0#	0#	-2.60#
15 TMP	t-Butyl alcohol (TBA)	0.034	0.036	-5.9	100	0.00
16 TMP	Methyl t-butyl ether (MTBE)	0.698	0.742	-6.3	99	0.00
17 TMP	trans-1,2-Dichloroethene	0.296	0.301	-1.7	99	0.00
18 TMP	Diisopropyl ether (DIPE)	0.862	0.892	-3.5	100	0.00
19 TMP	1,1-Dichloroethane	0.527	0.561	-6.5	100	0.00
20 TMP	Ethyl t-butyl ether (ETBE)	0.290	0.307	-5.9	100	0.00
21 TMP	2,2-Dichloropropane	0.356	0.397	-11.5	100	0.00
22 TMP	cis-1,2-Dichloroethene	0.316	0.329	-4.1	100	0.00
23 TMP	Chloroform	0.496	0.563	-13.5	100	0.00
24 TMP	2-Butanone (MEK)	0.170	0.172	-1.2	100	0.00
25 TMP	t-Amyl methyl ether (TAME)	0.673	0.703	-4.5	100	0.00
26 TMP	1,2-Dichloroethane (EDC)	0.375	0.421	-12.3	100	0.00
27 TMP	1,1,1-Trichloroethane	0.428	0.457	-6.8	100	0.00
28 TMP	1,1-Dichloropropene	0.346	0.355	-2.6	100	0.00
29 TMP	Carbon tetrachloride	0.372	0.368	1.1	100	0.00
30 S	1,2-Dichloroethane-d4	0.063	0.065	-3.2	100	0.00
31 TMP	Benzene	1.078	1.126	-4.5	100	0.00
32 TMP	Trichloroethene	0.311	0.310	0.3	100	0.00
33 TMP	1,2-Dichloropropane	0.266	0.289	-8.6	100	0.00
34 TMP	Bromodichloromethane	0.319	0.345	-8.2	100	0.00
35 S	Toluene-d8	0.888	0.878	1.1	100	0.00
36 TMP	Dibromomethane	0.162	0.161	0.6	100	0.00
37 TMP	4-Methyl-2-pentanone	0.045	0.044	2.2	100	0.00
38 TMP	cis-1,3-Dichloropropene	0.364	0.362	0.5	100	0.00
39 I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40 TMP	Toluene	0.869	0.903	-3.9	100	0.00
41 TMP	trans-1,3-Dichloropropene	0.405	0.412	-1.7	100	0.00
42 TMP	1,1,2-Trichloroethane	0.260	0.271	-4.2	100	0.00
43 TMP	2-Hexanone	0.268	0.300	-11.9	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110325.D
 Acq On : 03 Nov 2022 04:01 pm
 Operator : LM
 Sample : 1 ppb 8260 ICAL 67-177K
 Misc : soil/water
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 13:09:35 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.430	0.468	-8.8	100	0.00
45 TMP Tetrachloroethene	0.406	0.399	1.7	100	0.00
46 TMP Dibromochloromethane	0.344	0.362	-5.2	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	0.317	0.329	-3.8	100	0.00
48 TMP Chlorobenzene	0.922	1.015	-10.1	100	0.00
49 TMP Ethylbenzene	1.605	1.627	-1.4	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.356	0.392	-10.1	100	0.00
51 TMP m,p-Xylene	0.626	0.628	-0.3	100	0.00
52 TMP o-Xylene	0.622	0.632	-1.6	100	0.00
53 TMP Styrene	0.907	0.922	-1.7	100	0.00
54 TMP Isopropylbenzene	1.561	1.603	-2.7	100	0.00
55 TMP Bromoform	0.258	0.261	-1.2	100	0.00
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	0.748	0.758	-1.3	100	0.00
58 TMP n-Propylbenzene	3.027	3.045	-0.6	100	0.00
59 TMP Bromobenzene	0.740	0.792	-7.0	100	0.00
60 TMP 1,3,5-Trimethylbenzene	2.224	2.230	-0.3	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.717	0.719	-0.3	100	0.00
62 TMP 1,2,3-Trichloropropane	0.549	0.582	-6.0	100	0.00
63 TMP 2-Chlorotoluene	1.828	1.966	-7.5	100	0.00
64 TMP 4-Chlorotoluene	1.994	2.067	-3.7	100	0.00
65 TMP tert-Butylbenzene	1.953	1.952	0.1	100	0.00
66 TMP 1,2,4-Trimethylbenzene	2.250	2.243	0.3	100	0.00
67 TMP sec-Butylbenzene	2.892	2.820	2.5	100	0.00
68 TMP p-Isopropyltoluene	2.502	2.437	2.6	100	0.00
69 TMP 1,3-Dichlorobenzene	1.434	1.551	-8.2	100	0.00
70 TMP 1,4-Dichlorobenzene	1.430	1.635	-14.3	100	0.00
71 TMP 1,2-Dichlorobenzene	1.428	1.440	-0.8	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	0.145	0.154	-6.2	100	0.00
73 TMP 1,2,4-Trichlorobenzene	1.063	1.071	-0.8	100	0.00
74 TMP Hexachlorobutadiene	0.623	0.629	-1.0	100	0.00
75 TMP Naphthalene	2.362	2.356	0.3	100	0.00
76 TMP 1,2,3-Trichlorobenzene	0.987	1.020	-3.3	100	0.00

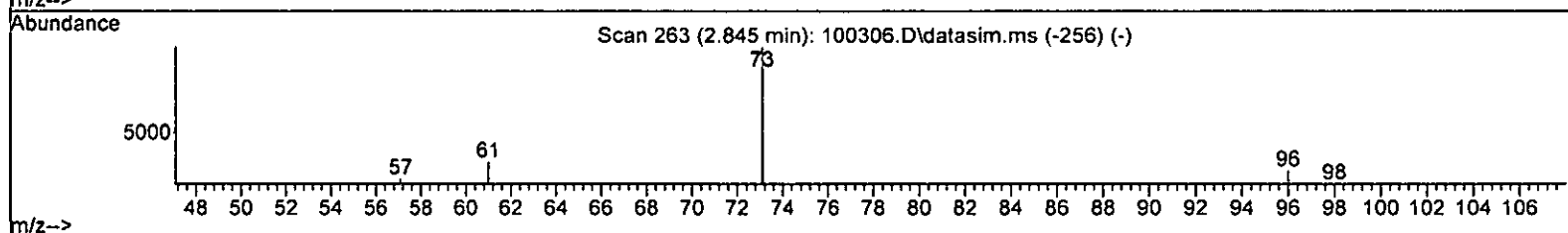
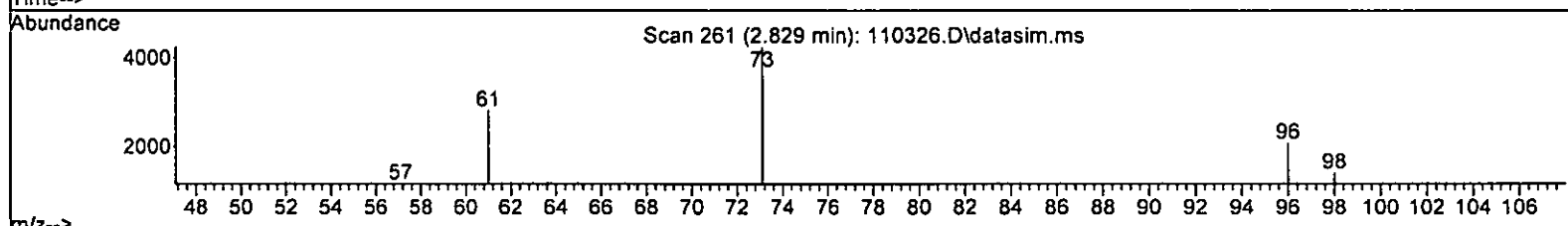
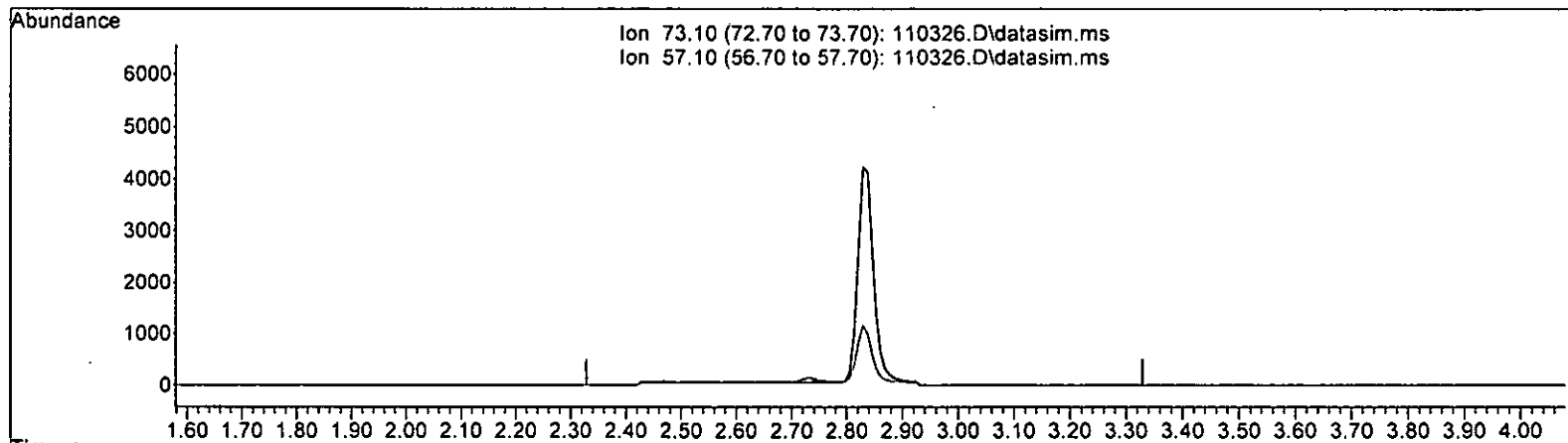
(#) = Out of Range

SPCC's out = 3 CCC's out = 0

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110326.D
 Acq On : 03 Nov 2022 04:24 pm
 Operator : LM
 Sample : 2 ppb 8260 ICAL 67-177L
 Misc : soil/water
 ALS Vial : 16 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 13:09:37 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M



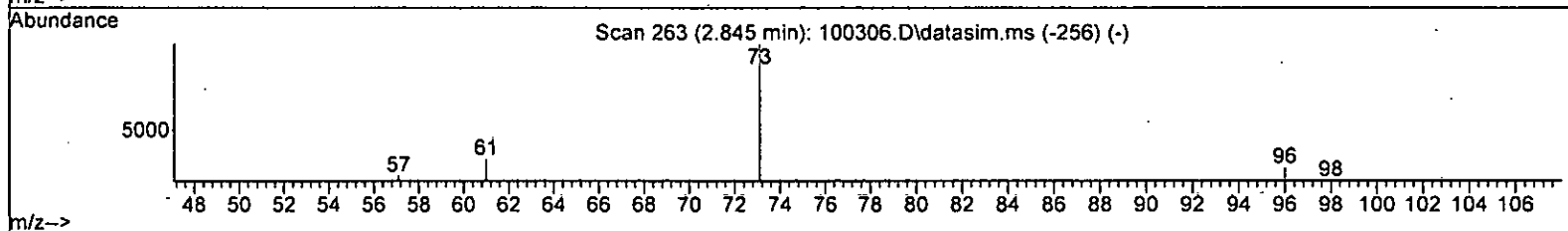
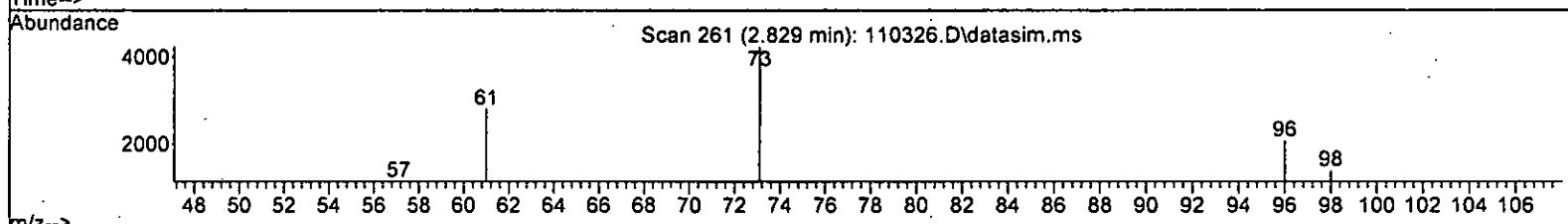
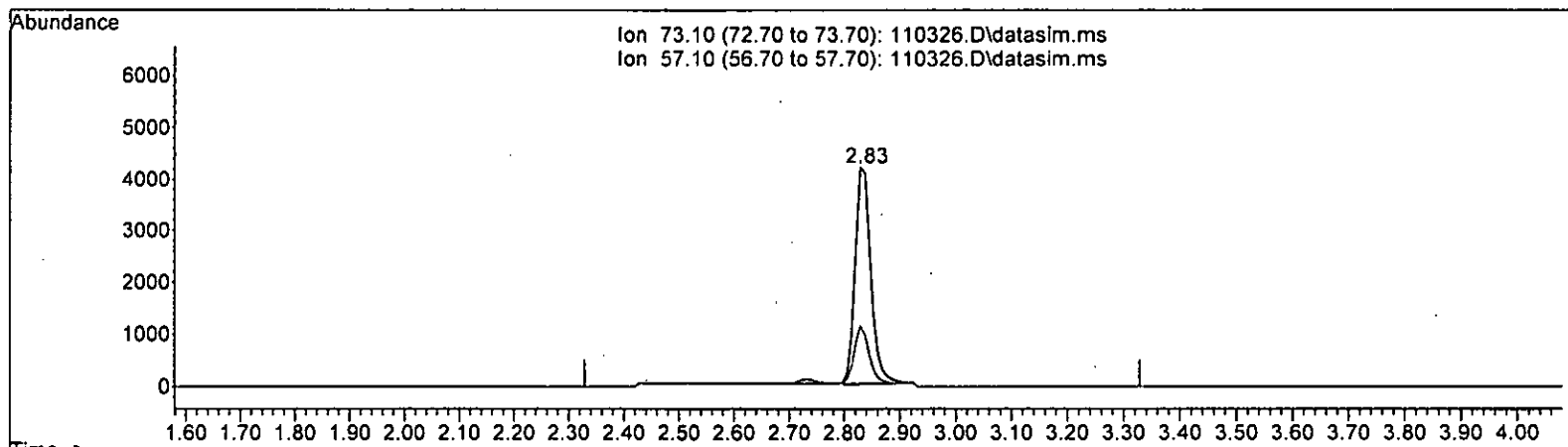
TIC: 110326.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)		
2.829min	0.000 ppb d	
response	0	
Ion	Exp%	Act%
73.10	100.00	0.00
57.10	23.10	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110326.D
 Acq On : 03 Nov 2022 04:24 pm
 Operator : LM
 Sample : 2 ppb 8260 ICAL 67-177L
 Misc : soil/water
 ALS Vial : 16 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 13:09:37 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M



TIC: 110326.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

2.829min (+ 0.000) 2.100 ppb m

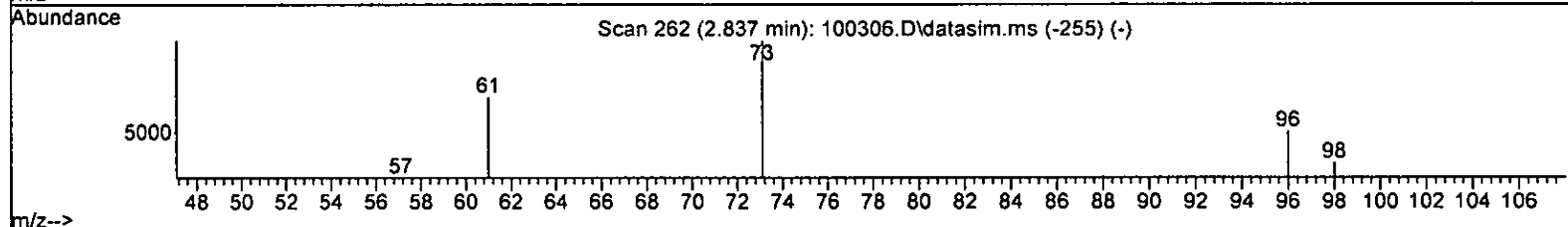
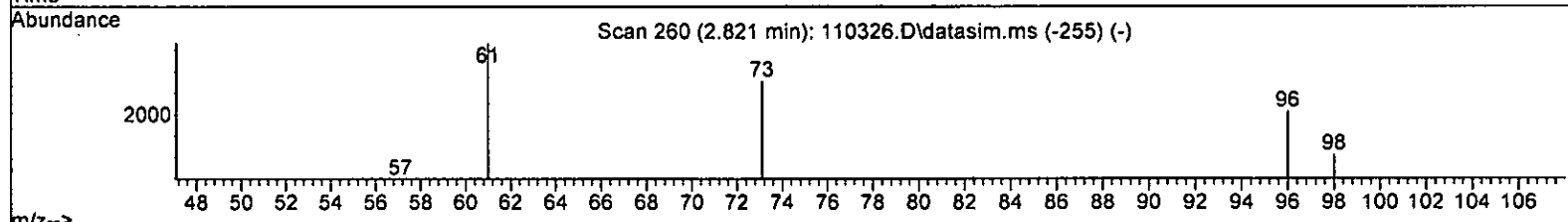
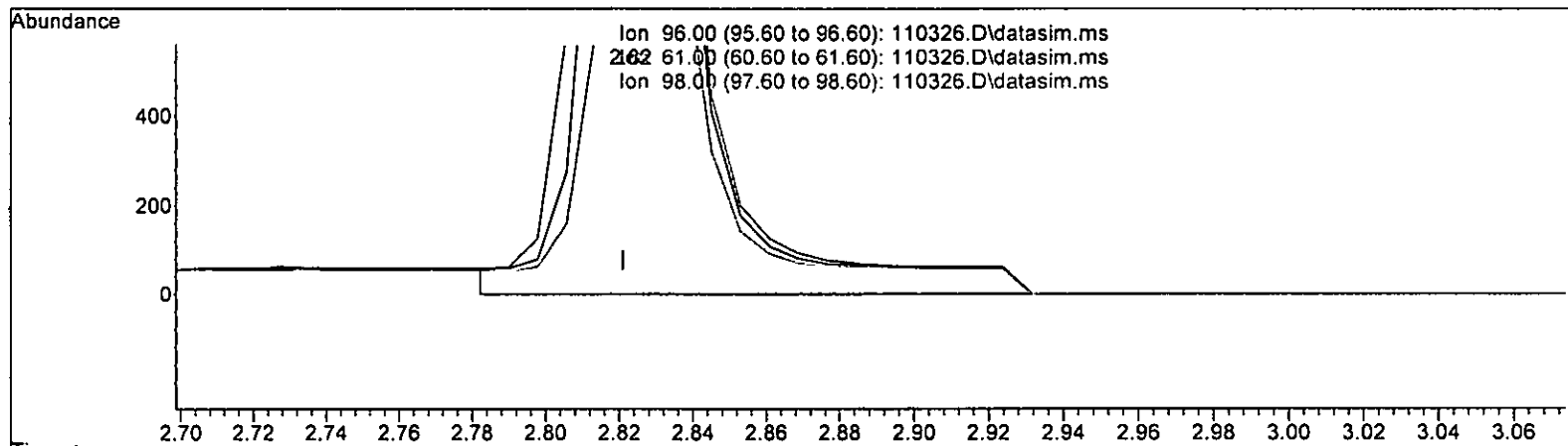
response 8150

Ion	Exp%	Act%
73.10	100.00	100.00
57.10	23.10	27.34
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110326.D
 Acq On : 03 Nov 2022 04:24 pm
 Operator : LM
 Sample : 2 ppb 8260 ICAL 67-177L
 Misc : soil/water
 ALS Vial : 16 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 13:09:37 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M



TIC: 110326.D\data.ms

(17) trans-1,2-Dichloroethene (TMP)

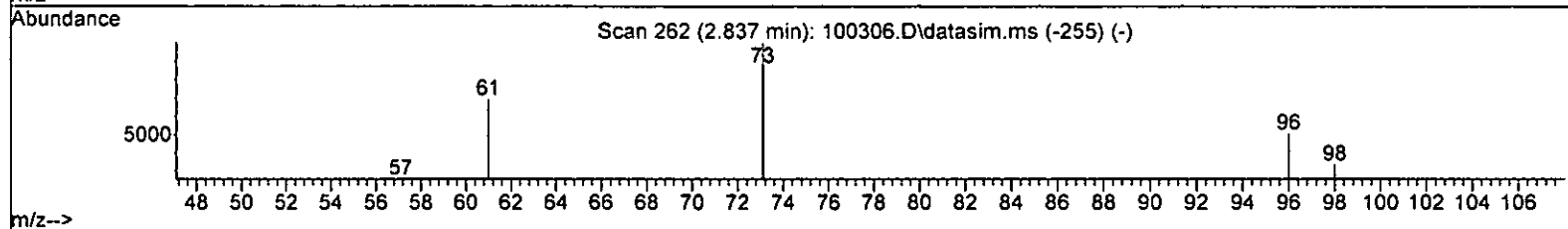
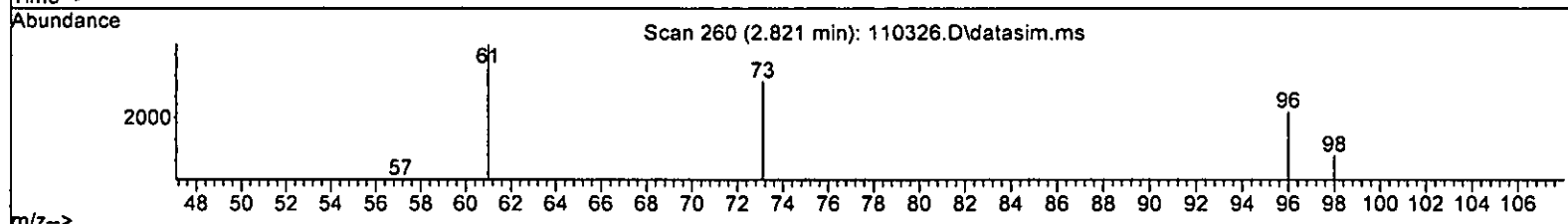
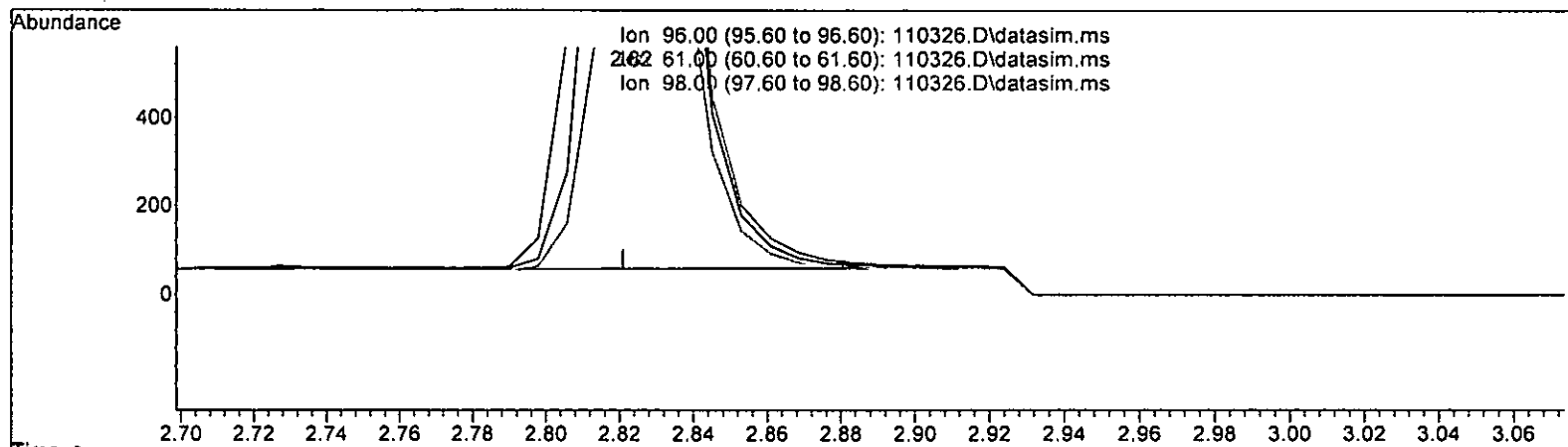
2.821min (+ 0.000) 2.273 ppb

response	3744	
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	138.60	161.04
98.00	66.00	61.32
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110326.D
 Acq On : 03 Nov 2022 04:24 pm
 Operator : LM
 Sample : 2 ppb 8260 ICAL 67-177L
 Misc : soil/water
 ALS Vial : 16 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 13:09:37 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M



TIC: 110326.D\data.ms

(17) trans-1,2-Dichloroethene (TMP)

2.821min (+ 0.000) 1.970 ppb m

response 3246

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	138.60	161.04
98.00	66.00	61.32
0.00	0.00	0.00

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110326.D
 Acq On : 03 Nov 2022 04:24 pm
 Operator : LM
 Sample : 2 ppb 8260 ICAL 67-177L
 Misc : soil/water
 ALS Vial : 16 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 13:09:37 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	4.63	96	55599	10.000	ppb	0.00
39) Chlorobenzene-d5	7.27	117	39499	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	23208	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.07	113	16519	10.492	ppb	0.00
Spiked Amount	10.000	Range 50 - 150	Recovery	=	104.90%	
30) 1,2-Dichloroethane-d4	4.35	102	3615	10.319	ppb	0.00
Spiked Amount	10.000	Range 79 - 128	Recovery	=	103.20%	
35) Toluene-d8	5.98	98	48034	9.733	ppb	0.00
Spiked Amount	10.000	Range 84 - 121	Recovery	=	97.30%	
57) 4-Bromofluorobenzene	8.38	95	17068	9.834	ppb	0.00
Spiked Amount	10.000	Range 84 - 116	Recovery	=	98.30%	
Target Compounds						
						Qvalue
2) Ethanol	0.00		0	N.D.		
4) Dichlorodifluoromethane	1.09	85	8639	2.014	ppb	93
5) Chloromethane	1.22	50	11622	2.231	ppb	99
6] Vinyl chloride	1.29	62	9443	2.027	ppb	93
7) Bromomethane	1.52	94	6248	2.291	ppb	93
8] Chloroethane	1.59	64	5051	2.161	ppb	93
9) Trichlorofluoromethane	1.77	101	10260	2.027	ppb	80
10) 2-Propanol	0.00		0	N.D.		
11) Acetone	2.26	58	2623	10.245	ppb	90
12] 1,1-Dichloroethene	2.18	96	3053	2.095	ppb	86
13) Hexane	3.05	57	4869	2.147	ppb	96
14) Methylene chloride	0.00		0	N.D.	d	
15) t-Butyl alcohol (TBA)	2.72	59	1844	9.780	ppb	93
16] Methyl t-butyl ether (...)	2.83	73	8150m	2.100	ppb	
17] trans-1,2-Dichloroethene	2.82	96	3246m	1.970	ppb	
18) Diisopropyl ether (DIPE)	3.24	45	9476	1.978	ppb	97
19] 1,1-Dichloroethane	3.18	63	5985	2.044	ppb	99
20) Ethyl t-butyl ether (E...)	3.54	87	3243	2.011	ppb	94
21) 2,2-Dichloropropane	3.66	77	4198	2.119	ppb	96
22] cis-1,2-Dichloroethene	3.67	96	3486	1.987	ppb	99
23) Chloroform	3.94	83	5952	2.156	ppb	99
24) 2-Butanone (MEK)	3.70	43	8391	8.857	ppb	92
25) t-Amyl methyl ether (T...)	4.49	73	7468	1.997	ppb	97
26] 1,2-Dichloroethane (EDC)	4.41	62	4164	1.998	ppb	100
27] 1,1,1-Trichloroethane	4.08	97	4894	2.056	ppb	98
28) 1,1-Dichloropropene	4.21	75	4087	2.122	ppb	85
29) Carbon tetrachloride	4.21	117	4254	2.057	ppb	94
31] Benzene	4.38	78	11561	2.032	ppb	98
32] Trichloroethene	4.93	95	3253	1.881	ppb	94
33) 1,2-Dichloropropane	5.13	63	3026	2.044	ppb	# 89
34) Bromodichloromethane	5.37	83	3504	1.975	ppb	93
36) Dibromomethane	5.23	93	1725	1.912	ppb	86

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110326.D
 Acq On : 03 Nov 2022 04:24 pm
 Operator : LM
 Sample : 2 ppb 8260 ICAL 67-177L
 Misc : soil/water
 ALS Vial : 16 Sample Multiplier: 1
 InstName : GCMS11

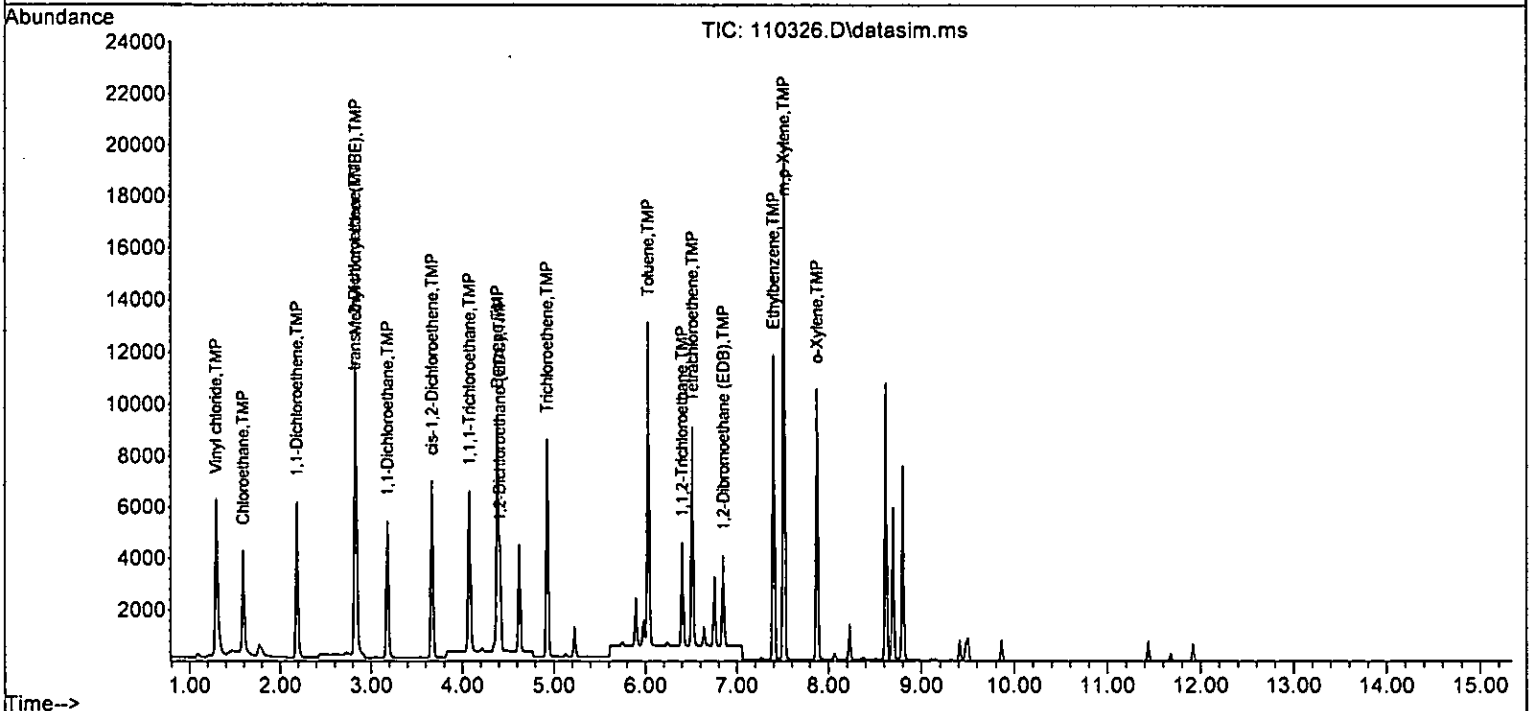
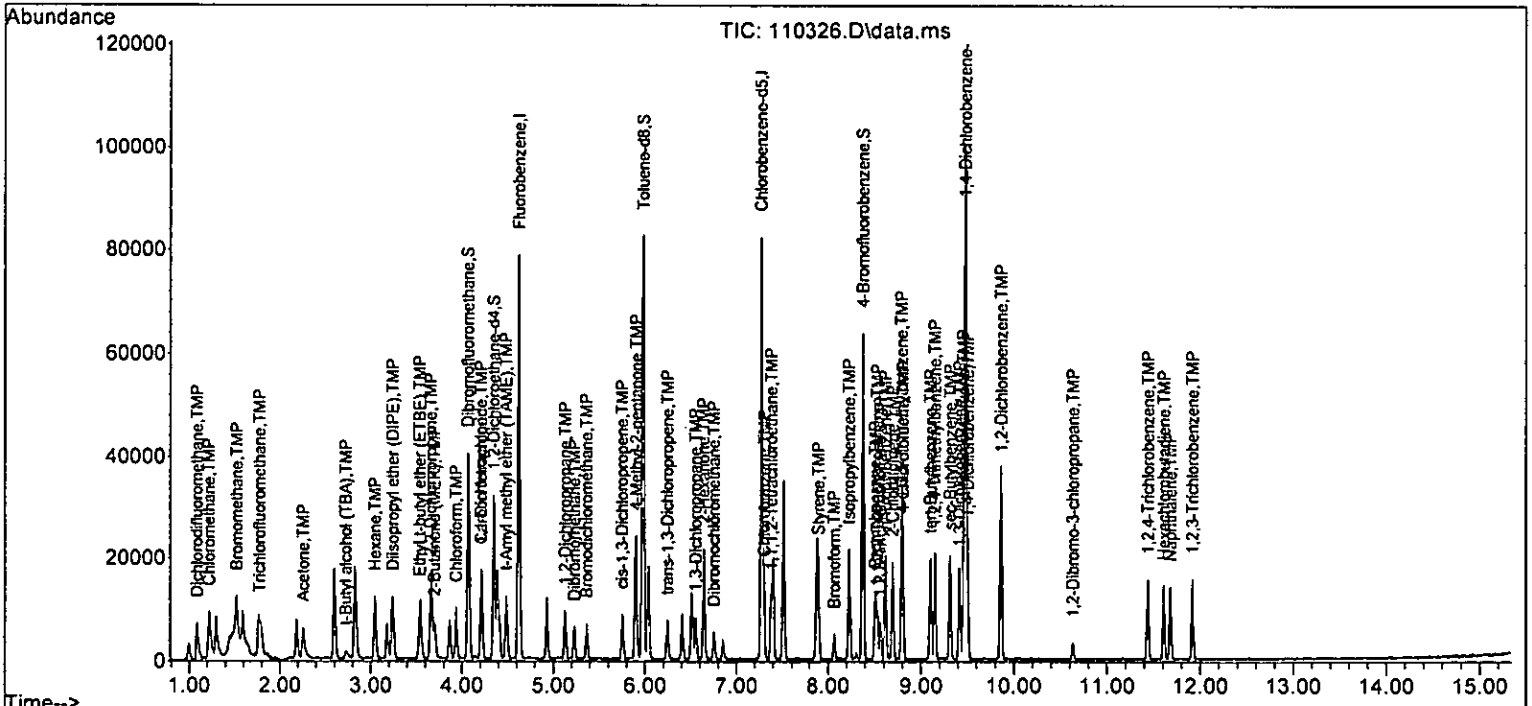
Quant Time: Nov 07 13:09:37 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	5.91	85	2267	8.998	ppb	# 62
38) cis-1,3-Dichloropropene	5.75	75	3861	1.910	ppb	94
40] Toluene	6.03	92	6597	1.922	ppb	94
41) trans-1,3-Dichloropropene	6.25	75	3037	1.896	ppb	95
42] 1,1,2-Trichloroethane	6.40	83	1948	2.062	ppb	88
43) 2-Hexanone	6.64	43	11456	10.822	ppb	95
44) 1,3-Dichloropropane	6.55	76	3364	1.981	ppb	99
45] Tetrachloroethene	6.51	164	2885	2.062	ppb	95
46) Dibromochloromethane	6.75	129	2560	1.884	ppb	89
47] 1,2-Dibromoethane (EDB)	6.85	107	2382	1.903	ppb	97
48) Chlorobenzene	7.30	112	7256	1.992	ppb	98
49] Ethylbenzene	7.40	91	12161	1.918	ppb	92
50) 1,1,1,2-Tetrachloroethane	7.38	131	2770	1.971	ppb	91
51] m,p-Xylene	7.51	106	9400	3.801	ppb	82
52] o-Xylene	7.88	106	4725	1.922	ppb	82
53) Styrene	7.90	104	7006	1.956	ppb	99
54) Isopropylbenzene	8.23	105	11754	1.906	ppb	96
55) Bromoform	8.07	173	1922	1.888	ppb	94
58) n-Propylbenzene	8.62	91	13484	1.919	ppb	92
59) Bromobenzene	8.51	156	3398	1.978	ppb	97
60) 1,3,5-Trimethylbenzene	8.79	105	10132	1.963	ppb	98
61) 1,1,2,2-Tetrachloroethane	8.53	83	3513	2.111	ppb	90
62) 1,2,3-Trichloropropane	8.56	75	2487	1.950	ppb	95
63) 2-Chlorotoluene	8.70	91	8280	1.952	ppb	91
64) 4-Chlorotoluene	8.81	91	9161	1.979	ppb	98
65) tert-Butylbenzene	9.10	119	8368	1.846	ppb	100
66) 1,2,4-Trimethylbenzene	9.15	105	9793	1.876	ppb	99
67) sec-Butylbenzene	9.31	105	12677	1.889	ppb	99
68) p-Isopropyltoluene	9.46	119	11166	1.923	ppb	98
69) 1,3-Dichlorobenzene	9.42	146	6529	1.962	ppb	95
70) 1,4-Dichlorobenzene	9.50	146	6690	2.016	ppb	91
71) 1,2-Dichlorobenzene	9.86	146	6842	2.064	ppb	94
72) 1,2-Dibromo-3-chloropr...	10.63	75	724	2.146	ppb	84
73) 1,2,4-Trichlorobenzene	11.44	180	4762	1.930	ppb	94
74) Hexachlorobutadiene	11.61	225	2790	1.930	ppb	88
75) Naphthalene	11.68	128	10091	1.841	ppb	99
76) 1,2,3-Trichlorobenzene	11.92	180	4283	1.870	ppb	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110326.D
 Acq On : 03 Nov 2022 04:24 pm
 Operator : LM
 Sample : 2 ppb 8260 ICAL 67-177L
 Misc : soil/water
 ALS Vial : 16 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 13:09:37 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M



Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110326.D
 Acq On : 03 Nov 2022 04:24 pm
 Operator : LM
 Sample : 2 ppb 8260 ICAL 67-177L
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Quant Time: Nov 07 13:09:37 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2 TMP	Ethanol	-1.000	0.000	0.0	0	-1.86#
3 S	Dibromofluoromethane	10.000	10.492	-4.9	100	0.00
4 TMP	Dichlorodifluoromethane	2.000	2.014	-0.7	100	0.00
5 TMP	Chloromethane	2.000	2.231	-11.5	100	0.00
6 TMP	Vinyl chloride	2.000	2.027	-1.4	103	0.00
7 TMP	Bromomethane	2.000	2.291	-14.5	109	0.00
8 TMP	Chloroethane	2.000	2.161	-8.1	103	0.00
9 TMP	Trichlorofluoromethane	2.000	2.027	-1.4	100	0.00
10 TMP	2-Propanol	-1.000	0.000	0.0	0	-2.43#
11 TMP	Acetone	10.000	10.245	-2.4	100	0.00
12 TMP	1,1-Dichloroethene	2.000	2.095	-4.8	105	0.00
13 TMP	Hexane	2.000	2.147	-7.3	100	0.00
14 TMP	Methylene chloride	-1.000	0.000	0.0	0	-2.60#
15 TMP	t-Butyl alcohol (TBA)	10.000	9.780	2.2	100	0.00
16 TMP	Methyl t-butyl ether (MTBE)	2.000	2.100	-5.0	101	0.00
17 TMP	trans-1,2-Dichloroethene	2.000	1.970	1.5	100	0.00
18 TMP	Diisopropyl ether (DIPE)	2.000	1.978	1.1	100	0.00
19 TMP	1,1-Dichloroethane	2.000	2.044	-2.2	100	0.00
20 TMP	Ethyl t-butyl ether (ETBE)	2.000	2.011	-0.6	100	0.00
21 TMP	2,2-Dichloropropane	2.000	2.119	-6.0	100	0.00
22 TMP	cis-1,2-Dichloroethene	2.000	1.987	0.6	100	0.00
23 TMP	Chloroform	2.000	2.156	-7.8	100	0.00
24 TMP	2-Butanone (MEK)	10.000	8.857	11.4	100	0.00
25 TMP	t-Amyl methyl ether (TAME)	2.000	1.997	0.1	100	0.00
26 TMP	1,2-Dichloroethane (EDC)	2.000	1.998	0.1	100	0.00
27 TMP	1,1,1-Trichloroethane	2.000	2.056	-2.8	100	0.00
28 TMP	1,1-Dichloropropene	2.000	2.122	-6.1	100	0.00
29 TMP	Carbon tetrachloride	2.000	2.057	-2.8	100	0.00
30 S	1,2-Dichloroethane-d4	10.000	10.319	-3.2	100	0.00
31 TMP	Benzene	2.000	2.032	-1.6	100	0.00
32 TMP	Trichloroethene	2.000	1.881	5.9	100	0.00
33 TMP	1,2-Dichloropropane	2.000	2.044	-2.2	100	0.00
34 TMP	Bromodichloromethane	2.000	1.975	1.2	100	0.00
35 S	Toluene-d8	10.000	9.733	2.7	100	0.00
36 TMP	Dibromomethane	2.000	1.912	4.4	100	0.00
37 TMP	4-Methyl-2-pentanone	10.000	8.998	10.0	100	0.00
38 TMP	cis-1,3-Dichloropropene	2.000	1.910	4.5	100	0.00
39 I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40 TMP	Toluene	2.000	1.922	3.9	100	0.00
41 TMP	trans-1,3-Dichloropropene	2.000	1.896	5.2	100	0.00
42 TMP	1,1,2-Trichloroethane	2.000	2.062	-3.1	100	0.00
43 TMP	2-Hexanone	10.000	10.822	-8.2	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110326.D
 Acq On : 03 Nov 2022 04:24 pm
 Operator : LM
 Sample : 2 ppb 8260 ICAL 67-177L
 Misc : soil/water
 ALS Vial : 16 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 13:09:37 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP 1,3-Dichloropropane	2.000	1.981	0.9	100	0.00
45	TMP Tetrachloroethene	2.000	2.062	-3.1	100	0.00
46	TMP Dibromochloromethane	2.000	1.884	5.8	100	0.00
47	TMP 1,2-Dibromoethane (EDB)	2.000	1.903	4.8	100	0.00
48	TMP Chlorobenzene	2.000	1.992	0.4	100	0.00
49	TMP Ethylbenzene	2.000	1.918	4.1	100	0.00
50	TMP 1,1,1,2-Tetrachloroethane	2.000	1.971	1.4	100	0.00
51	TMP m,p-Xylene	4.000	3.801	5.0	100	0.00
52	TMP o-Xylene	2.000	1.922	3.9	100	0.00
53	TMP Styrene	2.000	1.956	2.2	100	0.00
54	TMP Isopropylbenzene	2.000	1.906	4.7	100	0.00
55	TMP Bromoform	2.000	1.888	5.6	100	0.00
56	I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S 4-Bromofluorobenzene	10.000	9.834	1.7	100	0.00
58	TMP n-Propylbenzene	2.000	1.919	4.0	100	0.00
59	TMP Bromobenzene	2.000	1.978	1.1	100	0.00
60	TMP 1,3,5-Trimethylbenzene	2.000	1.963	1.8	100	0.00
61	TMP 1,1,2,2-Tetrachloroethane	2.000	2.111	-5.6	100	0.00
62	TMP 1,2,3-Trichloropropane	2.000	1.950	2.5	100	0.00
63	TMP 2-Chlorotoluene	2.000	1.952	2.4	100	0.00
64	TMP 4-Chlorotoluene	2.000	1.979	1.0	100	0.00
65	TMP tert-Butylbenzene	2.000	1.846	7.7	100	0.00
66	TMP 1,2,4-Trimethylbenzene	2.000	1.876	6.2	100	0.00
67	TMP sec-Butylbenzene	2.000	1.889	5.5	100	0.00
68	TMP p-Isopropyltoluene	2.000	1.923	3.8	100	0.00
69	TMP 1,3-Dichlorobenzene	2.000	1.962	1.9	100	0.00
70	TMP 1,4-Dichlorobenzene	2.000	2.016	-0.8	100	0.00
71	TMP 1,2-Dichlorobenzene	2.000	2.064	-3.2	100	0.00
72	TMP 1,2-Dibromo-3-chloropropane	2.000	2.146	-7.3	100	0.00
73	TMP 1,2,4-Trichlorobenzene	2.000	1.930	3.5	100	0.00
74	TMP Hexachlorobutadiene	2.000	1.930	3.5	100	0.00
75	TMP Naphthalene	2.000	1.841	8.0	100	0.00
76	TMP 1,2,3-Trichlorobenzene	2.000	1.870	6.5	100	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110326.D
 Acq On : 03 Nov 2022 04:24 pm
 Operator : LM
 Sample : 2 ppb 8260 ICAL 67-177L
 Misc : soil/water
 ALS Vial : 16 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 13:09:37 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2 TMP	Ethanol	0.000	0.000#	0.0	0#	-1.86#
3 S	Dibromofluoromethane	0.283	0.297	-4.9	100	0.00
4 TMP	Dichlorodifluoromethane	0.771	0.777	-0.8	100	0.00
5 TMP	Chloromethane	0.937	1.045	-11.5	100	0.00
6 TMP	Vinyl chloride	0.838	0.849	-1.3	103	0.00
7 TMP	Bromomethane	0.490	0.562	-14.7	109	0.00
8 TMP	Chloroethane	0.420	0.454	-8.1	103	0.00
9 TMP	Trichlorofluoromethane	0.910	0.923	-1.4	100	0.00
10 TMP	2-Propanol	0.000	0.000	0.0	0#	-2.43#
11 TMP	Acetone	0.046	0.047	-2.2	100	0.00
12 TMP	1,1-Dichloroethene	0.262	0.275	-5.0	105	0.00
13 TMP	Hexane	0.408	0.438	-7.4	100	0.00
14 TMP	Methylene chloride	0.307	0.000#	100.0#	0#	-2.60#
15 TMP	t-Butyl alcohol (TBA)	0.034	0.033	2.9	100	0.00
16 TMP	Methyl t-butyl ether (MTBE)	0.698	0.733	-5.0	101	0.00
17 TMP	trans-1,2-Dichloroethene	0.296	0.292	1.4	100	0.00
18 TMP	Diisopropyl ether (DIPE)	0.862	0.852	1.2	100	0.00
19 TMP	1,1-Dichloroethane	0.527	0.538	-2.1	100	0.00
20 TMP	Ethyl t-butyl ether (ETBE)	0.290	0.292	-0.7	100	0.00
21 TMP	2,2-Dichloropropane	0.356	0.378	-6.2	100	0.00
22 TMP	cis-1,2-Dichloroethene	0.316	0.313	0.9	100	0.00
23 TMP	Chloroform	0.496	0.535	-7.9	100	0.00
24 TMP	2-Butanone (MEK)	0.170	0.151	11.2	100	0.00
25 TMP	t-Amyl methyl ether (TAME)	0.673	0.672	0.1	100	0.00
26 TMP	1,2-Dichloroethane (EDC)	0.375	0.374	0.3	100	0.00
27 TMP	1,1,1-Trichloroethane	0.428	0.440	-2.8	100	0.00
28 TMP	1,1-Dichloropropene	0.346	0.368	-6.4	100	0.00
29 TMP	Carbon tetrachloride	0.372	0.383	-3.0	100	0.00
30 S	1,2-Dichloroethane-d4	0.063	0.065	-3.2	100	0.00
31 TMP	Benzene	1.078	1.040	3.5	100	0.00
32 TMP	Trichloroethene	0.311	0.293	5.8	100	0.00
33 TMP	1,2-Dichloropropane	0.266	0.272	-2.3	100	0.00
34 TMP	Bromodichloromethane	0.319	0.315	1.3	100	0.00
35 S	Toluene-d8	0.888	0.864	2.7	100	0.00
36 TMP	Dibromomethane	0.162	0.155	4.3	100	0.00
37 TMP	4-Methyl-2-pentanone	0.045	0.041	8.9	100	0.00
38 TMP	cis-1,3-Dichloropropene	0.364	0.347	4.7	100	0.00
39 I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40 TMP	Toluene	0.869	0.835	3.9	100	0.00
41 TMP	trans-1,3-Dichloropropene	0.405	0.384	5.2	100	0.00
42 TMP	1,1,2-Trichloroethane	0.260	0.247	5.0	100	0.00
43 TMP	2-Hexanone	0.268	0.290	-8.2	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110326.D
 Acq On : 03 Nov 2022 04:24 pm
 Operator : LM
 Sample : 2 ppb 8260 ICAL 67-177L
 Misc : soil/water
 ALS Vial : 16 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 13:09:37 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.430	0.426	0.9	100	0.00
45 TMP Tetrachloroethene	0.406	0.365	10.1	100	0.00
46 TMP Dibromochloromethane	0.344	0.324	5.8	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	0.317	0.302	4.7	100	0.00
48 TMP Chlorobenzene	0.922	0.919	0.3	100	0.00
49 TMP Ethylbenzene	1.605	1.539	4.1	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.356	0.351	1.4	100	0.00
51 TMP m,p-Xylene	0.626	0.595	5.0	100	0.00
52 TMP o-Xylene	0.622	0.598	3.9	100	0.00
53 TMP Styrene	0.907	0.887	2.2	100	0.00
54 TMP Isopropylbenzene	1.561	1.488	4.7	100	0.00
55 TMP Bromoform	0.258	0.243	5.8	100	0.00
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	0.748	0.735	1.7	100	0.00
58 TMP n-Propylbenzene	3.027	2.905	4.0	100	0.00
59 TMP Bromobenzene	0.740	0.732	1.1	100	0.00
60 TMP 1,3,5-Trimethylbenzene	2.224	2.183	1.8	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.717	0.757	-5.6	100	0.00
62 TMP 1,2,3-Trichloropropane	0.549	0.536	2.4	100	0.00
63 TMP 2-Chlorotoluene	1.828	1.784	2.4	100	0.00
64 TMP 4-Chlorotoluene	1.994	1.974	1.0	100	0.00
65 TMP tert-Butylbenzene	1.953	1.803	7.7	100	0.00
66 TMP 1,2,4-Trimethylbenzene	2.250	2.110	6.2	100	0.00
67 TMP sec-Butylbenzene	2.892	2.731	5.6	100	0.00
68 TMP p-Isopropyltoluene	2.502	2.406	3.8	100	0.00
69 TMP 1,3-Dichlorobenzene	1.434	1.407	1.9	100	0.00
70 TMP 1,4-Dichlorobenzene	1.430	1.441	-0.8	100	0.00
71 TMP 1,2-Dichlorobenzene	1.428	1.474	-3.2	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	0.145	0.156	-7.6	100	0.00
73 TMP 1,2,4-Trichlorobenzene	1.063	1.026	3.5	100	0.00
74 TMP Hexachlorobutadiene	0.623	0.601	3.5	100	0.00
75 TMP Naphthalene	2.362	2.174	8.0	100	0.00
76 TMP 1,2,3-Trichlorobenzene	0.987	0.923	6.5	100	0.00

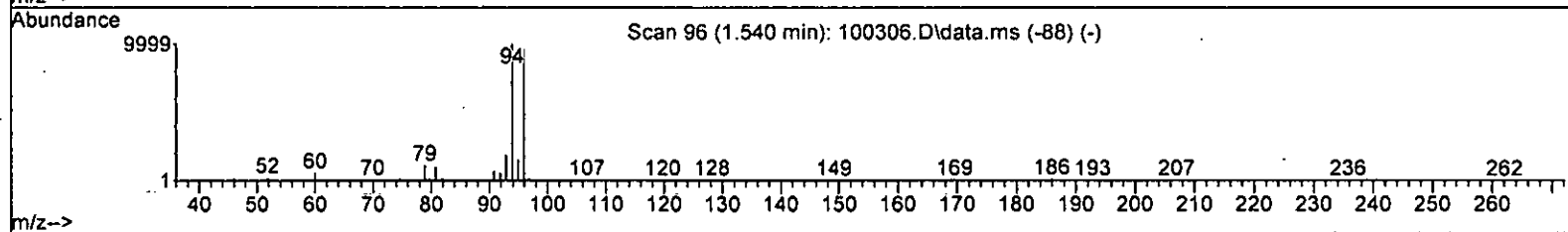
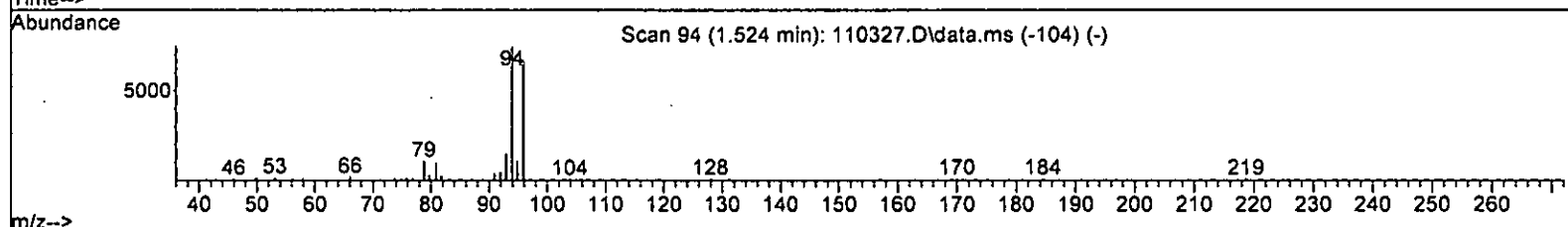
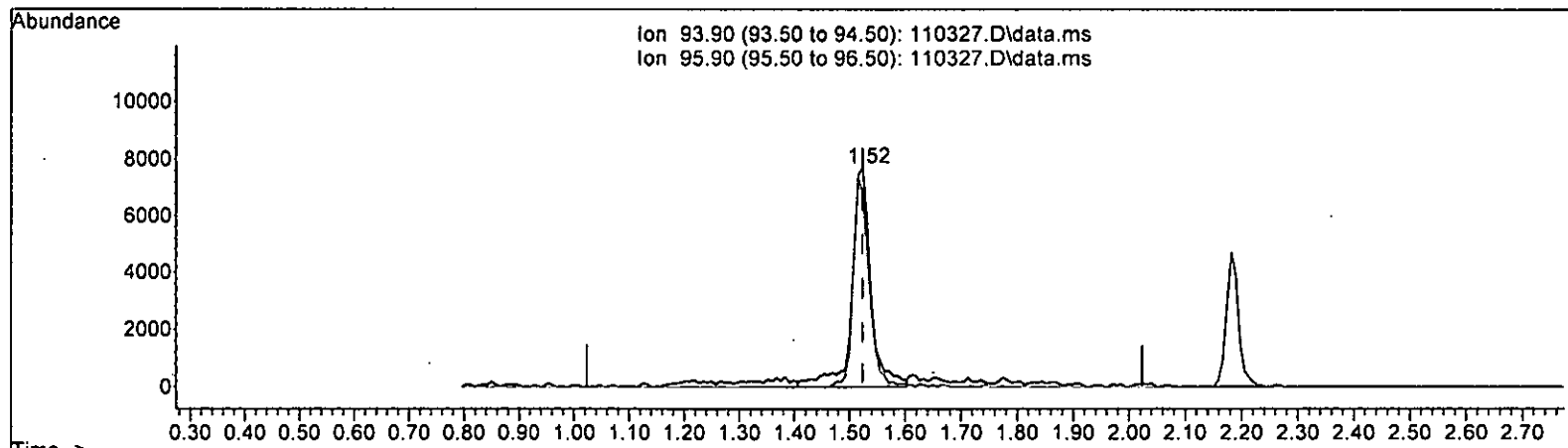
(#) = Out of Range

SPCC's out = 2 CCC's out = 0

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110327.D
 Acq On : 03 Nov 2022 04:46 pm
 Operator : LM
 Sample : 5 ppb 8260 ICAL 67-177M
 Misc : soil/water
 ALS Vial : 17 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 14:09:12 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 14:08:49 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M



TIC: 110327.D\data.ms

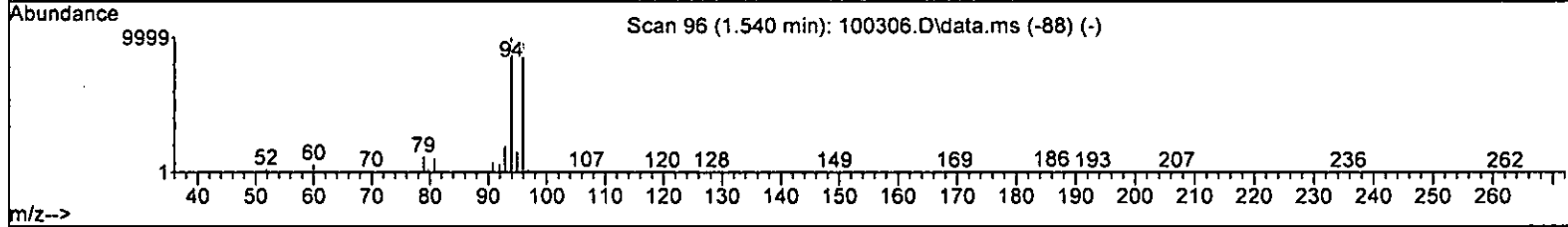
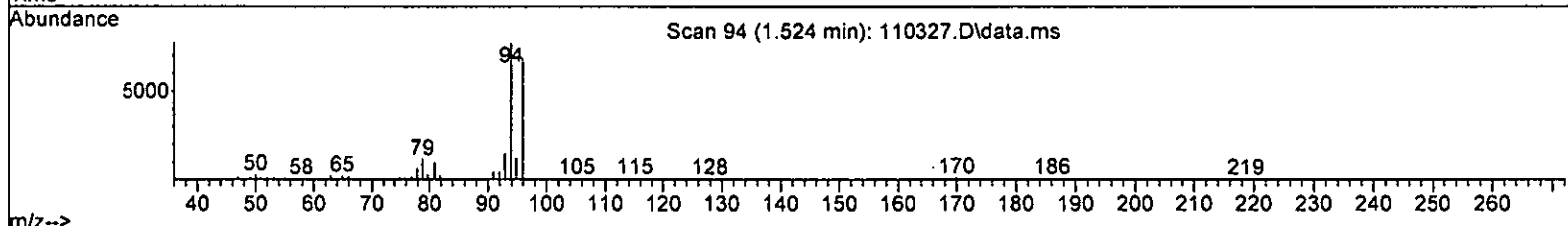
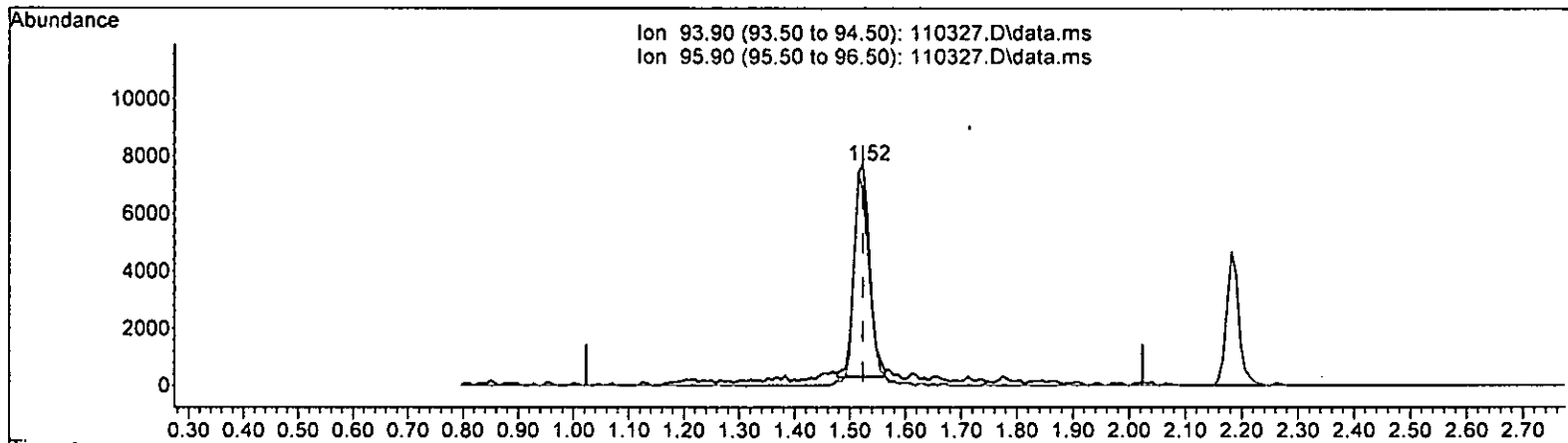
(7) Bromomethane (TMP)

1.524min (+ 0.000)	6.378 ppb	
response	18254	
Ion	Exp%	Act%
93.90	100.00	100.00
95.90	85.60	90.46
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110327.D
 Acq On : 03 Nov 2022 04:46 pm
 Operator : LM
 Sample : 5 ppb 8260 ICAL 67-177M
 Misc : soil/water
 ALS Vial : 17 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 14:09:12 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 14:08:49 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M



TIC: 110327.D\data.ms

(7) Bromomethane (TMP)

1.524min (+ 0.000) 5.018 ppb m

response	14360
Ion	Exp% Act%
93.90	100.00 100.00
95.90	85.60 88.55
0.00	0.00 0.00
0.00	0.00 0.00

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110327.D
 Acq On : 03 Nov 2022 04:46 pm
 Operator : LM
 Sample : 5 ppb 8260 ICAL 67-177M
 Misc : soil/water
 ALS Vial : 17 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 14:09:12 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 14:08:49 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	4.63	96	58345	10.000	ppb	0.00
39) Chlorobenzene-d5	7.27	117	43222	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	25178	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.07	113	16779	10.156	ppb	0.00
Spiked Amount	10.000	Range 50 - 150	Recovery	= 101.60%		
30) 1,2-Dichloroethane-d4	4.35	102	3641	9.904	ppb	0.00
Spiked Amount	10.000	Range 79 - 128	Recovery	= 99.00%		
35) Toluene-d8	5.98	98	53793	10.386	ppb	0.00
Spiked Amount	10.000	Range 84 - 121	Recovery	= 103.90%		
57) 4-Bromofluorobenzene	8.38	95	18640	9.900	ppb	0.00
Spiked Amount	10.000	Range 84 - 116	Recovery	= 99.00%		
Target Compounds						
2) Ethanol	1.85	45	68	No Calib	#	Qvalue
4) Dichlorodifluoromethane	1.09	85	22974	5.105	ppb	100
5) Chloromethane	1.22	50	27196	4.974	ppb	99
6] Vinyl chloride	1.29	62	24514	5.014	ppb	96
7) Bromomethane	1.52	94	14360m	5.018	ppb	
8] Chloroethane	1.59	64	12536	5.110	ppb	96
9) Trichlorofluoromethane	1.77	101	26593	5.006	ppb	95
10) 2-Propanol	2.39	45	237	No Calib		
11) Acetone	2.25	58	6601	24.570	ppb	# 82
12] 1,1-Dichloroethene	2.18	96	7667	5.014	ppb	99
13) Hexane	3.05	57	12104	5.086	ppb	97
14) Methylene chloride	2.60	84	11795	4.864	ppb	95
15) t-Butyl alcohol (TBA)	2.72	59	4802	24.269	ppb	90
16] Methyl t-butyl ether (...)	2.83	73	21302	5.231	ppb	95
17] trans-1,2-Dichloroethene	2.82	96	8696	5.030	ppb	91
18) Diisopropyl ether (DIPE)	3.24	45	24455	4.864	ppb	95
19] 1,1-Dichloroethane	3.17	63	16211	5.276	ppb	96
20) Ethyl t-butyl ether (E...)	3.54	87	8643	5.107	ppb	94
21) 2,2-Dichloropropane	3.66	77	10452	5.027	ppb	98
22] cis-1,2-Dichloroethene	3.66	96	8907	4.838	ppb	86
23) Chloroform	3.94	83	14098	4.867	ppb	100
24) 2-Butanone (MEK)	3.70	43	22252	22.382	ppb	96
25) t-Amyl methyl ether (T...)	4.49	73	19628	5.001	ppb	99
26] 1,2-Dichloroethane (EDC)	4.41	62	10749	4.915	ppb	99
27] 1,1,1-Trichloroethane	4.08	97	12513	5.010	ppb	99
28) 1,1-Dichloropropene	4.21	75	9969	4.931	ppb	93
29) Carbon tetrachloride	4.21	117	10813	4.981	ppb	97
31] Benzene	4.39	78	30542	5.151	ppb	98
32] Trichloroethene	4.93	95	8668	4.777	ppb	97
33) 1,2-Dichloropropane	5.13	63	8103	5.215	ppb	100
34) Bromodichloromethane	5.37	83	8954	4.809	ppb	99
36) Dibromomethane	5.22	93	4737	5.004	ppb	89

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110327.D
 Acq On : 03 Nov 2022 04:46 pm
 Operator : LM
 Sample : 5 ppb 8260 ICAL 67-177M
 Misc : soil/water
 ALS Vial : 17 Sample Multiplier: 1
 InstName : GCMS11

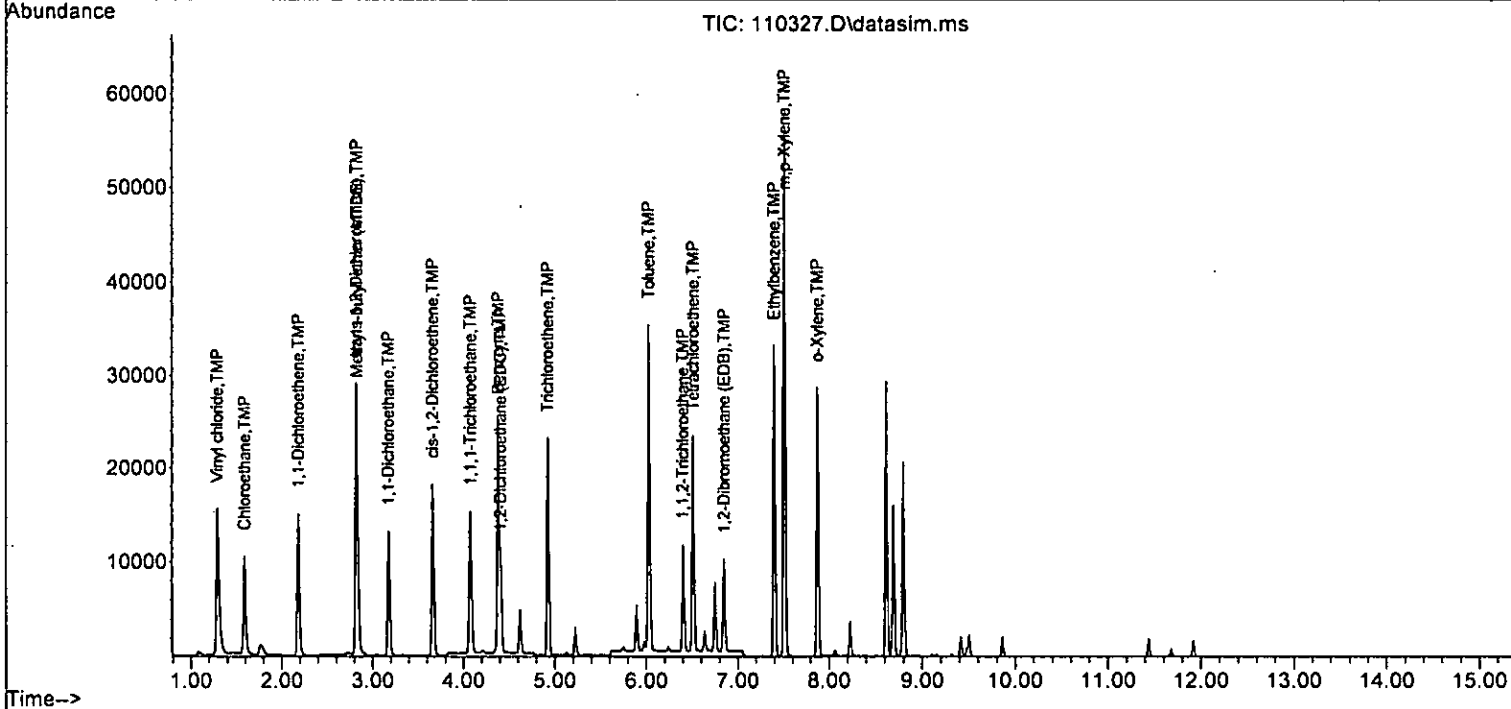
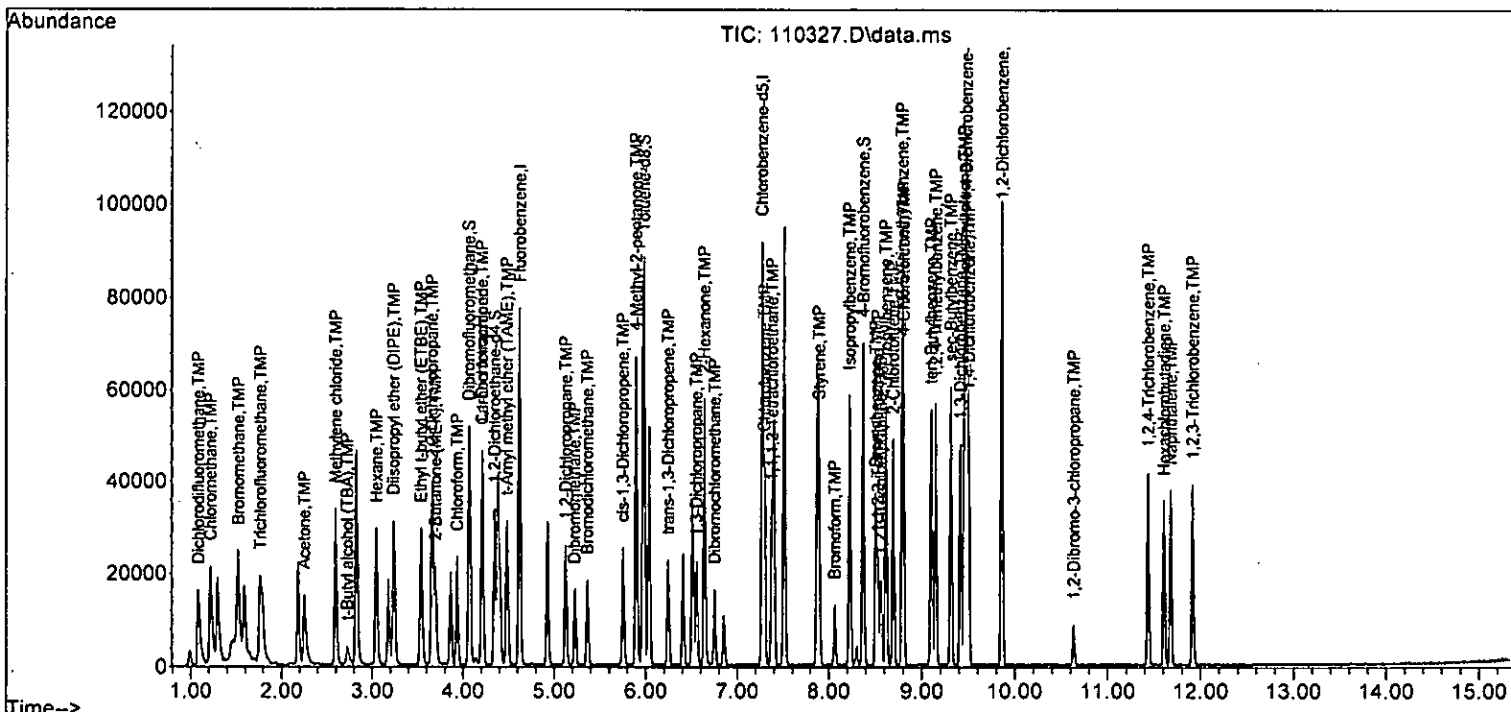
Quant Time: Nov 07 14:09:12 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 14:08:49 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	5.90	85	6835	25.852	ppb	91
38) cis-1,3-Dichloropropene	5.75	75	10164	4.791	ppb	94
40] Toluene	6.03	92	18020	4.798	ppb	92
41) trans-1,3-Dichloropropene	6.25	75	8377	4.780	ppb	94
42] 1,1,2-Trichloroethane	6.40	83	5440	5.313	ppb	89
43) 2-Hexanone	6.64	43	30198	26.071	ppb	96
44) 1,3-Dichloropropane	6.55	76	9665	5.202	ppb	96
45] Tetrachloroethene	6.51	164	7813	5.187	ppb	95
46) Dibromochloromethane	6.75	129	7166	4.818	ppb	95
47] 1,2-Dibromoethane (EDB)	6.85	107	6657	4.861	ppb	96
48) Chlorobenzene	7.30	112	19917	4.997	ppb	98
49] Ethylbenzene	7.40	91	33291	4.799	ppb	92
50) 1,1,1,2-Tetrachloroethane	7.38	131	7423	4.828	ppb	92
51] m,p-Xylene	7.51	106	25851	9.552	ppb	84
52] o-Xylene	7.88	106	12841	4.775	ppb	83
53) Styrene	7.90	104	18663	4.762	ppb	99
54) Isopropylbenzene	8.23	105	32683	4.844	ppb	99
55) Bromoform	8.07	173	5611	5.037	ppb	92
58) n-Propylbenzene	8.62	91	38189	5.010	ppb	98
59) Bromobenzene	8.51	156	9415	5.051	ppb	96
60) 1,3,5-Trimethylbenzene	8.79	105	27889	4.981	ppb	100
61) 1,1,2,2-Tetrachloroethane	8.53	83	9051	5.014	ppb	99
62) 1,2,3-Trichloropropane	8.56	75	6712	4.852	ppb	95
63) 2-Chlorotoluene	8.70	91	22765	4.946	ppb	97
64) 4-Chlorotoluene	8.81	91	25355	5.049	ppb	98
65) tert-Butylbenzene	9.10	119	24002	4.882	ppb	98
66) 1,2,4-Trimethylbenzene	9.15	105	27369	4.832	ppb	99
67) sec-Butylbenzene	9.31	105	35920	4.934	ppb	98
68) p-Isopropyltoluene	9.46	119	30684	4.871	ppb	99
69) 1,3-Dichlorobenzene	9.42	146	17838	4.941	ppb	95
70) 1,4-Dichlorobenzene	9.50	146	18063	5.017	ppb	93
71) 1,2-Dichlorobenzene	9.86	146	17504	4.867	ppb	99
72) 1,2-Dibromo-3-chloropr...	10.64	75	1805	4.932	ppb	92
73) 1,2,4-Trichlorobenzene	11.44	180	12554	4.691	ppb	99
74) Hexachlorobutadiene	11.61	225	7330	4.673	ppb	100
75) Naphthalene	11.68	128	26714	4.491	ppb	98
76) 1,2,3-Trichlorobenzene	11.92	180	11450	4.607	ppb	91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110327.D
 Acq On : 03 Nov 2022 04:46 pm
 Operator : LM
 Sample : 5 ppb 8260 ICAL 67-177M
 Misc : soil/water
 ALS Vial : 17 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 14:09:12 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 14:08:49 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M



Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110327.D
 Acq On : 03 Nov 2022 04:46 pm
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 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I Fluorobenzene	10.000	10.000	0.0	100	0.00
2 TMP Ethanol	-1.000	0.000	0.0	0	0.00
3 S Dibromofluoromethane	10.000	10.156	-1.6	100	0.00
4 TMP Dichlorodifluoromethane	5.000	5.105	-2.1	100	0.00
5 TMP Chloromethane	5.000	4.974	0.5	100	0.00
6 TMP Vinyl chloride	5.000	5.014	-0.3	103	0.00
7 TMP Bromomethane	5.000	5.018	-0.4	99	0.00
8 TMP Chloroethane	5.000	5.110	-2.2	100	0.00
9 TMP Trichlorofluoromethane	5.000	5.006	-0.1	100	0.00
10 TMP 2-Propanol	-1.000	0.000	0.0	0	-0.05
11 TMP Acetone	25.000	24.570	1.7	100	0.00
12 TMP 1,1-Dichloroethene	5.000	5.014	-0.3	100	0.00
13 TMP Hexane	5.000	5.086	-1.7	100	0.00
14 TMP Methylene chloride	5.000	4.864	2.7	100	0.00
15 TMP t-Butyl alcohol (TBA)	25.000	24.269	2.9	100	0.00
16 TMP Methyl t-butyl ether (MTBE)	5.000	5.231	-4.6	103	0.00
17 TMP trans-1,2-Dichloroethene	5.000	5.030	-0.6	106	0.00
18 TMP Diisopropyl ether (DIPE)	5.000	4.864	2.7	100	0.00
19 TMP 1,1-Dichloroethane	5.000	5.276	-5.5	107	0.00
20 TMP Ethyl t-butyl ether (ETBE)	5.000	5.107	-2.1	100	0.00
21 TMP 2,2-Dichloropropane	5.000	5.027	-0.5	100	0.00
22 TMP cis-1,2-Dichloroethene	5.000	4.838	3.2	100	0.00
23 TMP Chloroform	5.000	4.867	2.7	100	0.00
24 TMP 2-Butanone (MEK)	25.000	22.382	10.5	100	0.00
25 TMP t-Amyl methyl ether (TAME)	5.000	5.001	-0.0	100	0.00
26 TMP 1,2-Dichloroethane (EDC)	5.000	4.915	1.7	100	0.00
27 TMP 1,1,1-Trichloroethane	5.000	5.010	-0.2	100	0.00
28 TMP 1,1-Dichloropropene	5.000	4.931	1.4	100	0.00
29 TMP Carbon tetrachloride	5.000	4.981	0.4	100	0.00
30 S 1,2-Dichloroethane-d4	10.000	9.904	1.0	100	0.00
31 TMP Benzene	5.000	5.151	-3.0	100	0.00
32 TMP Trichloroethene	5.000	4.777	4.5	100	0.00
33 TMP 1,2-Dichloropropane	5.000	5.215	-4.3	100	0.00
34 TMP Bromodichloromethane	5.000	4.809	3.8	100	0.00
35 S Toluene-d8	10.000	10.386	-3.9	100	0.00
36 TMP Dibromomethane	5.000	5.004	-0.1	100	0.00
37 TMP 4-Methyl-2-pentanone	25.000	25.852	-3.4	100	-0.01
38 TMP cis-1,3-Dichloropropene	5.000	4.791	4.2	100	0.00
39 I Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40 TMP Toluene	5.000	4.798	4.0	100	0.00
41 TMP trans-1,3-Dichloropropene	5.000	4.780	4.4	100	0.00
42 TMP 1,1,2-Trichloroethane	5.000	5.313	-6.3	100	0.00
43 TMP 2-Hexanone	25.000	26.071	-4.3	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110327.D
 Acq On : 03 Nov 2022 04:46 pm
 Operator : LM
 Sample : 5 ppb 8260 ICAL 67-177M
 Misc : soil/water
 ALS Vial : 17 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 14:09:12 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 14:08:49 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	5.000	5.202	-4.0	100	0.00
45 TMP Tetrachloroethene	5.000	5.187	-3.7	100	0.00
46 TMP Dibromochloromethane	5.000	4.818	3.6	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	5.000	4.861	2.8	100	0.00
48 TMP Chlorobenzene	5.000	4.997	0.1	100	0.00
49 TMP Ethylbenzene	5.000	4.799	4.0	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	5.000	4.828	3.4	100	0.00
51 TMP m,p-Xylene	10.000	9.552	4.5	100	0.00
52 TMP o-Xylene	5.000	4.775	4.5	100	0.00
53 TMP Styrene	5.000	4.762	4.8	100	0.00
54 TMP Isopropylbenzene	5.000	4.844	3.1	100	0.00
55 TMP Bromoform	5.000	5.037	-0.7	100	0.00
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	10.000	9.900	1.0	100	0.00
58 TMP n-Propylbenzene	5.000	5.010	-0.2	100	0.00
59 TMP Bromobenzene	5.000	5.051	-1.0	100	0.00
60 TMP 1,3,5-Trimethylbenzene	5.000	4.981	0.4	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	5.000	5.014	-0.3	100	0.00
62 TMP 1,2,3-Trichloropropane	5.000	4.852	3.0	100	0.00
63 TMP 2-Chlorotoluene	5.000	4.946	1.1	100	0.00
64 TMP 4-Chlorotoluene	5.000	5.049	-1.0	100	0.00
65 TMP tert-Butylbenzene	5.000	4.882	2.4	100	0.00
66 TMP 1,2,4-Trimethylbenzene	5.000	4.832	3.4	100	0.00
67 TMP sec-Butylbenzene	5.000	4.934	1.3	100	0.00
68 TMP p-Isopropyltoluene	5.000	4.871	2.6	100	0.00
69 TMP 1,3-Dichlorobenzene	5.000	4.941	1.2	100	0.00
70 TMP 1,4-Dichlorobenzene	5.000	5.017	-0.3	100	0.00
71 TMP 1,2-Dichlorobenzene	5.000	4.867	2.7	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	5.000	4.932	1.4	100	0.00
73 TMP 1,2,4-Trichlorobenzene	5.000	4.691	6.2	100	0.00
74 TMP Hexachlorobutadiene	5.000	4.673	6.5	100	0.00
75 TMP Naphthalene	5.000	4.491	10.2	100	0.00
76 TMP 1,2,3-Trichlorobenzene	5.000	4.607	7.9	100	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110327.D
 Acq On : 03 Nov 2022 04:46 pm
 Operator : LM
 Sample : 5 ppb 8260 ICAL 67-177M
 Misc : soil/water
 ALS Vial : 17 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 14:09:12 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 14:08:49 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2 TMP	Ethanol	0.000	0.000#	0.0	0#	0.00
3 S	Dibromofluoromethane	0.283	0.288	-1.8	100	0.00
4 TMP	Dichlorodifluoromethane	0.771	0.788	-2.2	100	0.00
5 TMP	Chloromethane	0.937	0.932	0.5	100	0.00
6 TMP	Vinyl chloride	0.838	0.840	-0.2	103	0.00
7 TMP	Bromomethane	0.490	0.492	-0.4	99	0.00
8 TMP	Chloroethane	0.420	0.430	-2.4	100	0.00
9 TMP	Trichlorofluoromethane	0.910	0.912	-0.2	100	0.00
10 TMP	2-Propanol	0.000	0.000	0.0	0#	-0.05
11 TMP	Acetone	0.046	0.045	2.2	100	0.00
12 TMP	1,1-Dichloroethene	0.262	0.263	-0.4	100	0.00
13 TMP	Hexane	0.408	0.415	-1.7	100	0.00
14 TMP	Methylene chloride	0.307	0.404	-31.6#	100	0.00
15 TMP	t-Butyl alcohol (TBA)	0.034	0.033	2.9	100	0.00
16 TMP	Methyl t-butyl ether (MTBE)	0.698	0.730	-4.6	103	0.00
17 TMP	trans-1,2-Dichloroethene	0.296	0.298	-0.7	106	0.00
18 TMP	Diisopropyl ether (DIPE)	0.862	0.838	2.8	100	0.00
19 TMP	1,1-Dichloroethane	0.527	0.556	-5.5	107	0.00
20 TMP	Ethyl t-butyl ether (ETBE)	0.290	0.296	-2.1	100	0.00
21 TMP	2,2-Dichloropropane	0.356	0.358	-0.6	100	0.00
22 TMP	cis-1,2-Dichloroethene	0.316	0.305	3.5	100	0.00
23 TMP	Chloroform	0.496	0.483	2.6	100	0.00
24 TMP	2-Butanone (MEK)	0.170	0.153	10.0	100	0.00
25 TMP	t-Amyl methyl ether (TAME)	0.673	0.673	0.0	100	0.00
26 TMP	1,2-Dichloroethane (EDC)	0.375	0.368	1.9	100	0.00
27 TMP	1,1,1-Trichloroethane	0.428	0.429	-0.2	100	0.00
28 TMP	1,1-Dichloropropene	0.346	0.342	1.2	100	0.00
29 TMP	Carbon tetrachloride	0.372	0.371	0.3	100	0.00
30 S	1,2-Dichloroethane-d4	0.063	0.062	1.6	100	0.00
31 TMP	Benzene	1.078	1.047	2.9	100	0.00
32 TMP	Trichloroethene	0.311	0.297	4.5	100	0.00
33 TMP	1,2-Dichloropropane	0.266	0.278	-4.5	100	0.00
34 TMP	Bromodichloromethane	0.319	0.307	3.8	100	0.00
35 S	Toluene-d8	0.888	0.922	-3.8	100	0.00
36 TMP	Dibromomethane	0.162	0.162	0.0	100	0.00
37 TMP	4-Methyl-2-pentanone	0.045	0.047	-4.4	100	-0.01
38 TMP	cis-1,3-Dichloropropene	0.364	0.348	4.4	100	0.00
39 I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40 TMP	Toluene	0.869	0.834	4.0	100	0.00
41 TMP	trans-1,3-Dichloropropene	0.405	0.388	4.2	100	0.00
42 TMP	1,1,2-Trichloroethane	0.260	0.252	3.1	100	0.00
43 TMP	2-Hexanone	0.268	0.279	-4.1	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110327.D
 Acq On : 03 Nov 2022 04:46 pm
 Operator : LM
 Sample : 5 ppb 8260 ICAL 67-177M
 Misc : soil/water
 ALS Vial : 17 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 14:09:12 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 14:08:49 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.430	0.447	-4.0	100	0.00
45 TMP Tetrachloroethene	0.406	0.362	10.8	100	0.00
46 TMP Dibromochloromethane	0.344	0.332	3.5	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	0.317	0.308	2.8	100	0.00
48 TMP Chlorobenzene	0.922	0.922	0.0	100	0.00
49 TMP Ethylbenzene	1.605	1.540	4.0	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.356	0.343	3.7	100	0.00
51 TMP m,p-Xylene	0.626	0.598	4.5	100	0.00
52 TMP o-Xylene	0.622	0.594	4.5	100	0.00
53 TMP Styrene	0.907	0.864	4.7	100	0.00
54 TMP Isopropylbenzene	1.561	1.512	3.1	100	0.00
55 TMP Bromoform	0.258	0.260	-0.8	100	0.00
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	0.748	0.740	1.1	100	0.00
58 TMP n-Propylbenzene	3.027	3.034	-0.2	100	0.00
59 TMP Bromobenzene	0.740	0.748	-1.1	100	0.00
60 TMP 1,3,5-Trimethylbenzene	2.224	2.215	0.4	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.717	0.719	-0.3	100	0.00
62 TMP 1,2,3-Trichloropropane	0.549	0.533	2.9	100	0.00
63 TMP 2-Chlorotoluene	1.828	1.808	1.1	100	0.00
64 TMP 4-Chlorotoluene	1.994	2.014	-1.0	100	0.00
65 TMP tert-Butylbenzene	1.953	1.907	2.4	100	0.00
66 TMP 1,2,4-Trimethylbenzene	2.250	2.174	3.4	100	0.00
67 TMP sec-Butylbenzene	2.892	2.853	1.3	100	0.00
68 TMP p-Isopropyltoluene	2.502	2.437	2.6	100	0.00
69 TMP 1,3-Dichlorobenzene	1.434	1.417	1.2	100	0.00
70 TMP 1,4-Dichlorobenzene	1.430	1.435	-0.3	100	0.00
71 TMP 1,2-Dichlorobenzene	1.428	1.390	2.7	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	0.145	0.143	1.4	100	0.00
73 TMP 1,2,4-Trichlorobenzene	1.063	0.997	6.2	100	0.00
74 TMP Hexachlorobutadiene	0.623	0.582	6.6	100	0.00
75 TMP Naphthalene	2.362	2.122	10.2	100	0.00
76 TMP 1,2,3-Trichlorobenzene	0.987	0.910	7.8	100	0.00

(#) = Out of Range

SPCC's out = 1 CCC's out = 0

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110328.D
 Acq On : 03 Nov 2022 05:09 pm
 Operator : LM
 Sample : 10 ppb 8260 ICAL 67-177N
 Misc : soil/water
 ALS Vial : 18 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 14:09:14 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 14:08:49 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	4.63	96	58418	10.000	ppb	0.00
39) Chlorobenzene-d5	7.27	117	43335	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	24970	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.07	113	16315	9.863	ppb	0.00
Spiked Amount	10.000	Range 50 - 150	Recovery =	98.60%		
30) 1,2-Dichloroethane-d4	4.35	102	3747	10.180	ppb	0.00
Spiked Amount	10.000	Range 79 - 128	Recovery =	101.80%		
35) Toluene-d8	5.98	98	53458	10.309	ppb	0.00
Spiked Amount	10.000	Range 84 - 121	Recovery =	103.10%		
57) 4-Bromofluorobenzene	8.38	95	18592	9.956	ppb	0.00
Spiked Amount	10.000	Range 84 - 116	Recovery =	99.60%		
Target Compounds						
2) Ethanol	0.00		0	N.D.		Qvalue
4) Dichlorodifluoromethane	1.09	85	46276	10.270	ppb	88
5) Chloromethane	1.22	50	52607	9.610	ppb	99
6] Vinyl chloride	1.29	62	48768	9.962	ppb	94
7) Bromomethane	1.52	94	28120	9.814	ppb	89
8] Chloroethane	1.59	64	24735	10.070	ppb	96
9) Trichlorofluoromethane	1.77	101	52281	9.830	ppb	91
10) 2-Propanol	0.00		0	N.D.		
11) Acetone	2.25	58	13190	49.034	ppb	98
12] 1,1-Dichloroethene	2.18	96	15014	9.806	ppb	96
13) Hexane	3.05	57	23814	9.993	ppb	94
14) Methylene chloride	2.60	84	19182	9.516	ppb	95
15) t-Butyl alcohol (TBA)	2.72	59	9561	48.260	ppb	96
16] Methyl t-butyl ether (...)	2.83	73	42037	10.310	ppb	96
17] trans-1,2-Dichloroethene	2.82	96	17008	9.825	ppb	89
18) Diisopropyl ether (DIPE)	3.23	45	54175	10.762	ppb	97
19] 1,1-Dichloroethane	3.17	63	31407	10.209	ppb	95
20) Ethyl t-butyl ether (E...)	3.54	87	16652	9.828	ppb	98
21) 2,2-Dichloropropane	3.66	77	19916	9.566	ppb	100
22] cis-1,2-Dichloroethene	3.66	96	18471	10.021	ppb	85
23) Chloroform	3.94	83	27740	9.564	ppb	99
24) 2-Butanone (MEK)	3.70	43	50690	50.922	ppb	95
25) t-Amyl methyl ether (T...)	4.49	73	38696	9.847	ppb	98
26] 1,2-Dichloroethane (EDC)	4.41	62	21515	9.825	ppb	99
27] 1,1,1-Trichloroethane	4.08	97	24962	9.981	ppb	100
28) 1,1-Dichloropropene	4.22	75	20013	9.887	ppb	99
29) Carbon tetrachloride	4.21	117	21619	9.947	ppb	94
31] Benzene	4.38	78	61297	10.356	ppb	97
32] Trichloroethene	4.93	95	17388	9.571	ppb	97
33) 1,2-Dichloropropane	5.13	63	15871	10.201	ppb	98
34) Bromodichloromethane	5.37	83	18545	9.947	ppb	90
36) Dibromomethane	5.23	93	9711	10.245	ppb	95

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110328.D
 Acq On : 03 Nov 2022 05:09 pm
 Operator : LM
 Sample : 10 ppb 8260 ICAL 67-177N
 Misc : soil/water
 ALS Vial : 18 Sample Multiplier: 1
 InstName : GCMS11

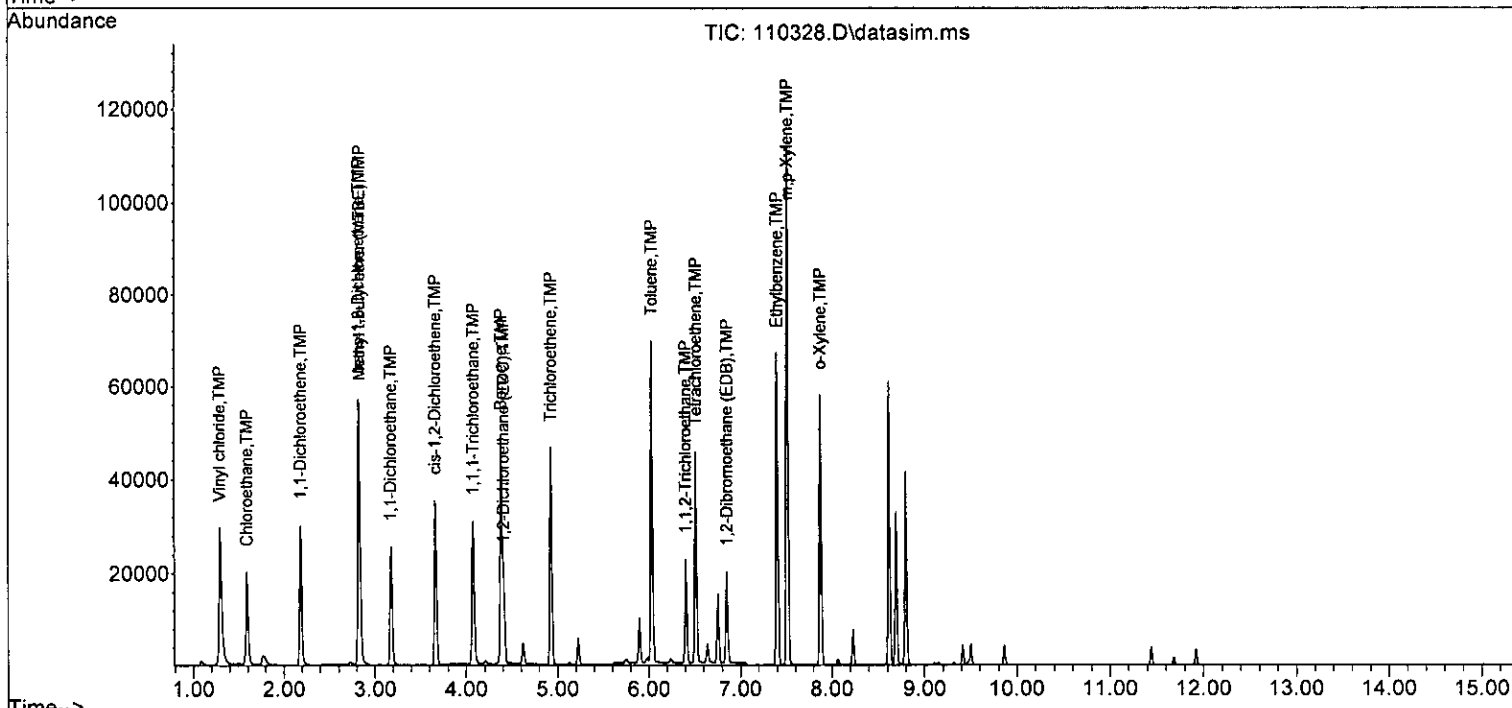
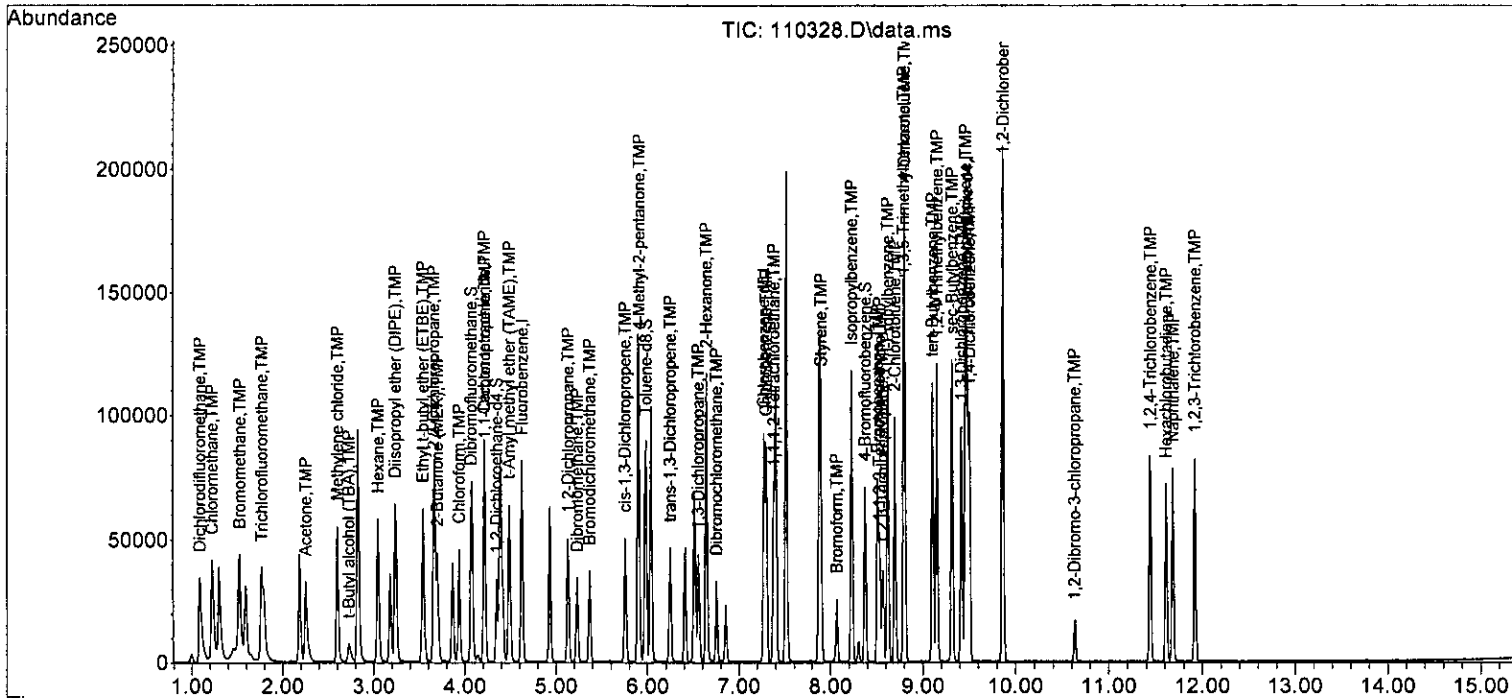
Quant Time: Nov 07 14:09:14 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 14:08:49 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	5.91	85	13289	50.201	ppb	93
38) cis-1,3-Dichloropropene	5.75	75	20160	9.491	ppb	97
40) Toluene	6.03	92	36825	9.780	ppb	93
41) trans-1,3-Dichloropropene	6.25	75	17874	10.173	ppb	96
42) 1,1,2-Trichloroethane	6.40	83	11025	10.776	ppb	89
43) 2-Hexanone	6.64	43	62258	53.609	ppb	98
44) 1,3-Dichloropropane	6.55	76	19349	10.387	ppb	99
45) Tetrachloroethene	6.51	164	15641	10.425	ppb	95
46) Dibromochloromethane	6.75	129	14721	9.873	ppb	92
47) 1,2-Dibromoethane (EDB)	6.85	107	13659	9.949	ppb	97
48) Chlorobenzene	7.29	112	40317	10.089	ppb	97
49) Ethylbenzene	7.40	91	67484	9.703	ppb	92
50) 1,1,1,2-Tetrachloroethane	7.38	131	15096	9.792	ppb	97
51) m,p-Xylene	7.51	106	52974	19.523	ppb	84
52) o-Xylene	7.88	106	26196	9.715	ppb	81
53) Styrene	7.90	104	39789	10.126	ppb	94
54) Isopropylbenzene	8.23	105	67179	9.931	ppb	99
55) Bromoform	8.07	173	10676	9.558	ppb	95
58) n-Propylbenzene	8.62	91	78190	10.343	ppb	99
59) Bromobenzene	8.51	156	18783	10.161	ppb	90
60) 1,3,5-Trimethylbenzene	8.79	105	56264	10.132	ppb	99
61) 1,1,2,2-Tetrachloroethane	8.53	83	17873	9.983	ppb	98
62) 1,2,3-Trichloropropane	8.56	75	13696	9.983	ppb	93
63) 2-Chlorotoluene	8.70	91	46133	10.107	ppb	97
64) 4-Chlorotoluene	8.80	91	53079	10.658	ppb	92
65) tert-Butylbenzene	9.10	119	49051	10.060	ppb	98
66) 1,2,4-Trimethylbenzene	9.15	105	56191	10.003	ppb	99
67) sec-Butylbenzene	9.31	105	74295	10.290	ppb	97
68) p-Isopropyltoluene	9.46	119	62186	9.954	ppb	98
69) 1,3-Dichlorobenzene	9.42	146	36224	10.117	ppb	98
70) 1,4-Dichlorobenzene	9.50	146	35475	9.935	ppb	96
71) 1,2-Dichlorobenzene	9.86	146	35505	9.954	ppb	97
72) 1,2-Dibromo-3-chloropr...	10.63	75	3526	9.714	ppb	88
73) 1,2,4-Trichlorobenzene	11.44	180	25363	9.556	ppb	100
74) Hexachlorobutadiene	11.61	225	14752	9.483	ppb	98
75) Naphthalene	11.68	128	56070	9.505	ppb	99
76) 1,2,3-Trichlorobenzene	11.92	180	23961	9.721	ppb	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110328.D
 Acq On : 03 Nov 2022 05:09 pm
 Operator : LM
 Sample : 10 ppb 8260 ICAL 67-177N
 Misc : soil/water
 ALS Vial : 18 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 14:09:14 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 14:08:49 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M



Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110328.D
 Acq On : 03 Nov 2022 05:09 pm
 Operator : LM
 Sample : 10 ppb 8260 ICAL 67-177N
 Misc : soil/water
 ALS Vial : 18 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 14:09:14 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 14:08:49 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I Fluorobenzene	10.000	10.000	0.0	100	0.00
2 TMP Ethanol	-1.000	0.000	0.0	0	-1.86#
3 S Dibromofluoromethane	10.000	9.863	1.4	100	0.00
4 TMP Dichlorodifluoromethane	10.000	10.270	-2.7	100	0.00
5 TMP Chloromethane	10.000	9.610	3.9	100	0.00
6 TMP Vinyl chloride	10.000	9.962	0.4	100	0.00
7 TMP Bromomethane	10.000	9.814	1.9	100	0.00
8 TMP Chloroethane	10.000	10.070	-0.7	100	0.00
9 TMP Trichlorofluoromethane	10.000	9.830	1.7	100	0.00
10 TMP 2-Propanol	-1.000	0.000	0.0	0	-2.43#
11 TMP Acetone	50.000	49.034	1.9	100	0.00
12 TMP 1,1-Dichloroethene	10.000	9.806	1.9	100	0.00
13 TMP Hexane	10.000	9.993	0.1	100	0.00
14 TMP Methylene chloride	10.000	9.516	4.8	100	0.00
15 TMP t-Butyl alcohol (TBA)	50.000	48.260	3.5	100	0.00
16 TMP Methyl t-butyl ether (MTBE)	10.000	10.310	-3.1	100	0.00
17 TMP trans-1,2-Dichloroethene	10.000	9.825	1.8	100	0.00
18 TMP Diisopropyl ether (DIPE)	10.000	10.762	-7.6	100	0.00
19 TMP 1,1-Dichloroethane	10.000	10.209	-2.1	100	0.00
20 TMP Ethyl t-butyl ether (ETBE)	10.000	9.828	1.7	100	0.00
21 TMP 2,2-Dichloropropane	10.000	9.566	4.3	100	0.00
22 TMP cis-1,2-Dichloroethene	10.000	10.021	-0.2	100	0.00
23 TMP Chloroform	10.000	9.564	4.4	100	0.00
24 TMP 2-Butanone (MEK)	50.000	50.922	-1.8	100	0.00
25 TMP t-Amyl methyl ether (TAME)	10.000	9.847	1.5	100	0.00
26 TMP 1,2-Dichloroethane (EDC)	10.000	9.825	1.8	100	0.00
27 TMP 1,1,1-Trichloroethane	10.000	9.981	0.2	100	0.00
28 TMP 1,1-Dichloropropene	10.000	9.887	1.1	100	0.00
29 TMP Carbon tetrachloride	10.000	9.947	0.5	100	0.00
30 S 1,2-Dichloroethane-d4	10.000	10.180	-1.8	100	0.00
31 TMP Benzene	10.000	10.356	-3.6	100	0.00
32 TMP Trichloroethene	10.000	9.571	4.3	100	0.00
33 TMP 1,2-Dichloropropane	10.000	10.201	-2.0	100	0.00
34 TMP Bromodichloromethane	10.000	9.947	0.5	100	0.00
35 S Toluene-d8	10.000	10.309	-3.1	100	0.00
36 TMP Dibromomethane	10.000	10.245	-2.4	100	0.00
37 TMP 4-Methyl-2-pentanone	50.000	50.201	-0.4	100	0.00
38 TMP cis-1,3-Dichloropropene	10.000	9.491	5.1	100	0.00
39 I Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40 TMP Toluene	10.000	9.780	2.2	100	0.00
41 TMP trans-1,3-Dichloropropene	10.000	10.173	-1.7	100	0.00
42 TMP 1,1,2-Trichloroethane	10.000	10.776	-7.8	100	0.00
43 TMP 2-Hexanone	50.000	53.609	-7.2	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110328.D
 Acq On : 03 Nov 2022 05:09 pm
 Operator : LM
 Sample : 10 ppb 8260 ICAL 67-177N
 Misc : soil/water
 ALS Vial : 18 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 14:09:14 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 14:08:49 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	10.000	10.387	-3.9	100	0.00
45 TMP Tetrachloroethene	10.000	10.425	-4.3	100	0.00
46 TMP Dibromochloromethane	10.000	9.873	1.3	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	10.000	9.949	0.5	100	0.00
48 TMP Chlorobenzene	10.000	10.089	-0.9	100	0.00
49 TMP Ethylbenzene	10.000	9.703	3.0	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	10.000	9.792	2.1	100	0.00
51 TMP m,p-Xylene	20.000	19.523	2.4	100	0.00
52 TMP o-Xylene	10.000	9.715	2.9	100	0.00
53 TMP Styrene	10.000	10.126	-1.3	100	0.00
54 TMP Isopropylbenzene	10.000	9.931	0.7	100	0.00
55 TMP Bromoform	10.000	9.558	4.4	100	0.00
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	10.000	9.956	0.4	100	0.00
58 TMP n-Propylbenzene	10.000	10.343	-3.4	100	0.00
59 TMP Bromobenzene	10.000	10.161	-1.6	100	0.00
60 TMP 1,3,5-Trimethylbenzene	10.000	10.132	-1.3	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	10.000	9.983	0.2	100	0.00
62 TMP 1,2,3-Trichloropropane	10.000	9.983	0.2	100	0.00
63 TMP 2-Chlorotoluene	10.000	10.107	-1.1	100	0.00
64 TMP 4-Chlorotoluene	10.000	10.658	-6.6	100	0.00
65 TMP tert-Butylbenzene	10.000	10.060	-0.6	100	0.00
66 TMP 1,2,4-Trimethylbenzene	10.000	10.003	-0.0	100	0.00
67 TMP sec-Butylbenzene	10.000	10.290	-2.9	100	0.00
68 TMP p-Isopropyltoluene	10.000	9.954	0.5	100	0.00
69 TMP 1,3-Dichlorobenzene	10.000	10.117	-1.2	100	0.00
70 TMP 1,4-Dichlorobenzene	10.000	9.935	0.6	100	0.00
71 TMP 1,2-Dichlorobenzene	10.000	9.954	0.5	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	10.000	9.714	2.9	100	0.00
73 TMP 1,2,4-Trichlorobenzene	10.000	9.556	4.4	100	0.00
74 TMP Hexachlorobutadiene	10.000	9.483	5.2	100	0.00
75 TMP Naphthalene	10.000	9.505	4.9	100	0.00
76 TMP 1,2,3-Trichlorobenzene	10.000	9.721	2.8	100	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110328.D
 Acq On : 03 Nov 2022 05:09 pm
 Operator : LM
 Sample : 10 ppb 8260 ICAL 67-177N
 Misc : soil/water
 ALS Vial : 18 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 14:09:14 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 14:08:49 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2 TMP	Ethanol	0.000	0.000#	0.0	0#	-1.86#
3 S	Dibromofluoromethane	0.283	0.279	1.4	100	0.00
4 TMP	Dichlorodifluoromethane	0.771	0.792	-2.7	100	0.00
5 TMP	Chloromethane	0.937	0.901	3.8	100	0.00
6 TMP	Vinyl chloride	0.838	0.835	0.4	100	0.00
7 TMP	Bromomethane	0.490	0.481	1.8	100	0.00
8 TMP	Chloroethane	0.420	0.423	-0.7	100	0.00
9 TMP	Trichlorofluoromethane	0.910	0.895	1.6	100	0.00
10 TMP	2-Propanol	0.000	0.000	0.0	0#	-2.43#
11 TMP	Acetone	0.046	0.045	2.2	100	0.00
12 TMP	1,1-Dichloroethene	0.262	0.257	1.9	100	0.00
13 TMP	Hexane	0.408	0.408	0.0	100	0.00
14 TMP	Methylene chloride	0.307	0.328	-6.8	100	0.00
15 TMP	t-Butyl alcohol (TBA)	0.034	0.033	2.9	100	0.00
16 TMP	Methyl t-butyl ether (MTBE)	0.698	0.720	-3.2	100	0.00
17 TMP	trans-1,2-Dichloroethene	0.296	0.291	1.7	100	0.00
18 TMP	Diisopropyl ether (DIPE)	0.862	0.927	-7.5	100	0.00
19 TMP	1,1-Dichloroethane	0.527	0.538	-2.1	100	0.00
20 TMP	Ethyl t-butyl ether (ETBE)	0.290	0.285	1.7	100	0.00
21 TMP	2,2-Dichloropropane	0.356	0.341	4.2	100	0.00
22 TMP	cis-1,2-Dichloroethene	0.316	0.316	0.0	100	0.00
23 TMP	Chloroform	0.496	0.475	4.2	100	0.00
24 TMP	2-Butanone (MEK)	0.170	0.174	-2.4	100	0.00
25 TMP	t-Amyl methyl ether (TAME)	0.673	0.662	1.6	100	0.00
26 TMP	1,2-Dichloroethane (EDC)	0.375	0.368	1.9	100	0.00
27 TMP	1,1,1-Trichloroethane	0.428	0.427	0.2	100	0.00
28 TMP	1,1-Dichloropropene	0.346	0.343	0.9	100	0.00
29 TMP	Carbon tetrachloride	0.372	0.370	0.5	100	0.00
30 S	1,2-Dichloroethane-d4	0.063	0.064	-1.6	100	0.00
31 TMP	Benzene	1.078	1.049	2.7	100	0.00
32 TMP	Trichloroethene	0.311	0.298	4.2	100	0.00
33 TMP	1,2-Dichloropropane	0.266	0.272	-2.3	100	0.00
34 TMP	Bromodichloromethane	0.319	0.317	0.6	100	0.00
35 S	Toluene-d8	0.888	0.915	-3.0	100	0.00
36 TMP	Dibromomethane	0.162	0.166	-2.5	100	0.00
37 TMP	4-Methyl-2-pentanone	0.045	0.045	0.0	100	0.00
38 TMP	cis-1,3-Dichloropropene	0.364	0.345	5.2	100	0.00
39 I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40 TMP	Toluene	0.869	0.850	2.2	100	0.00
41 TMP	trans-1,3-Dichloropropene	0.405	0.412	-1.7	100	0.00
42 TMP	1,1,2-Trichloroethane	0.260	0.254	2.3	100	0.00
43 TMP	2-Hexanone	0.268	0.287	-7.1	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110328.D
 Acq On : 03 Nov 2022 05:09 pm
 Operator : LM
 Sample : 10 ppb 8260 ICAL 67-177N
 Misc : soil/water
 ALS Vial : 18 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 14:09:14 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 14:08:49 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.430	0.446	-3.7	100	0.00
45 TMP Tetrachloroethene	0.406	0.361	11.1	100	0.00
46 TMP Dibromochloromethane	0.344	0.340	1.2	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	0.317	0.315	0.6	100	0.00
48 TMP Chlorobenzene	0.922	0.930	-0.9	100	0.00
49 TMP Ethylbenzene	1.605	1.557	3.0	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.356	0.348	2.2	100	0.00
51 TMP m,p-Xylene	0.626	0.611	2.4	100	0.00
52 TMP o-Xylene	0.622	0.604	2.9	100	0.00
53 TMP Styrene	0.907	0.918	-1.2	100	0.00
54 TMP Isopropylbenzene	1.561	1.550	0.7	100	0.00
55 TMP Bromoform	0.258	0.246	4.7	100	0.00
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	0.748	0.745	0.4	100	0.00
58 TMP n-Propylbenzene	3.027	3.131	-3.4	100	0.00
59 TMP Bromobenzene	0.740	0.752	-1.6	100	0.00
60 TMP 1,3,5-Trimethylbenzene	2.224	2.253	-1.3	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.717	0.716	0.1	100	0.00
62 TMP 1,2,3-Trichloropropane	0.549	0.548	0.2	100	0.00
63 TMP 2-Chlorotoluene	1.828	1.848	-1.1	100	0.00
64 TMP 4-Chlorotoluene	1.994	2.126	-6.6	100	0.00
65 TMP tert-Butylbenzene	1.953	1.964	-0.6	100	0.00
66 TMP 1,2,4-Trimethylbenzene	2.250	2.250	0.0	100	0.00
67 TMP sec-Butylbenzene	2.892	2.975	-2.9	100	0.00
68 TMP p-Isopropyltoluene	2.502	2.490	0.5	100	0.00
69 TMP 1,3-Dichlorobenzene	1.434	1.451	-1.2	100	0.00
70 TMP 1,4-Dichlorobenzene	1.430	1.421	0.6	100	0.00
71 TMP 1,2-Dichlorobenzene	1.428	1.422	0.4	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	0.145	0.141	2.8	100	0.00
73 TMP 1,2,4-Trichlorobenzene	1.063	1.016	4.4	100	0.00
74 TMP Hexachlorobutadiene	0.623	0.591	5.1	100	0.00
75 TMP Naphthalene	2.362	2.245	5.0	100	0.00
76 TMP 1,2,3-Trichlorobenzene	0.987	0.960	2.7	100	0.00

(#) = Out of Range

SPCC's out = 1 CCC's out = 0

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110329.D
 Acq On : 03 Nov 2022 05:31 pm
 Operator : LM
 Sample : 20 ppb 8260 ICAL 67-1770
 Misc : soil/water
 ALS Vial : 19 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 14:09:16 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 14:08:49 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	4.63	96	55034	10.000	ppb	0.00
39) Chlorobenzene-d5	7.27	117	40247	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	23886	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.08	113	16051	10.300	ppb	0.00
Spiked Amount	10.000	Range 50 - 150	Recovery	= 103.00%		
30) 1,2-Dichloroethane-d4	4.36	102	3608	10.405	ppb	0.00
Spiked Amount	10.000	Range 79 - 128	Recovery	= 104.00%		
35) Toluene-d8	5.98	98	48895	10.009	ppb	0.00
Spiked Amount	10.000	Range 84 - 121	Recovery	= 100.10%		
57) 4-Bromofluorobenzene	8.38	95	17652	9.882	ppb	0.00
Spiked Amount	10.000	Range 84 - 116	Recovery	= 98.80%		
Target Compounds						
2) Ethanol	0.00		0	N.D.		Qvalue
4) Dichlorodifluoromethane	1.09	85	89414	21.064	ppb	98
5) Chloromethane	1.23	50	100870	19.560	ppb	95
6] Vinyl chloride	1.31	62	94407	20.470	ppb	99
7) Bromomethane	1.53	94	58780	21.775	ppb	90
8] Chloroethane	1.60	64	47577	20.561	ppb	99
9) Trichlorofluoromethane	1.77	101	102704	20.498	ppb	94
10) 2-Propanol	2.39	45	78	No Calib		
11) Acetone	2.26	58	25419	100.305	ppb	98
12] 1,1-Dichloroethene	2.20	96	28852	20.002	ppb	91
13) Hexane	3.05	57	44087	19.638	ppb	97
14) Methylene chloride	2.61	84	35090	20.952	ppb	97
15) t-Butyl alcohol (TBA)	2.73	59	19342	103.633	ppb	99
16] Methyl t-butyl ether (...)	2.84	73	81587	21.241	ppb	95
17] trans-1,2-Dichloroethene	2.83	96	32316	19.817	ppb	85
18) Diisopropyl ether (DIPE)	3.24	45	94420	19.910	ppb	96
19] 1,1-Dichloroethane	3.18	63	59561	20.552	ppb	95
20) Ethyl t-butyl ether (E...)	3.55	87	33324	20.877	ppb	98
21) 2,2-Dichloropropane	3.67	77	38710	19.737	ppb	99
22] cis-1,2-Dichloroethene	3.67	96	35253	20.302	ppb	88
23) Chloroform	3.95	83	52840	19.338	ppb	99
24) 2-Butanone (MEK)	3.70	43	92696	98.846	ppb	97
25) t-Amyl methyl ether (T...)	4.49	73	75139	20.297	ppb	99
26] 1,2-Dichloroethane (EDC)	4.42	62	39956	19.368	ppb	96
27] 1,1,1-Trichloroethane	4.08	97	48518	20.593	ppb	93
28) 1,1-Dichloropropene	4.22	75	37576	19.706	ppb	98
29) Carbon tetrachloride	4.22	117	40602	19.830	ppb	98
31] Benzene	4.39	78	114344	20.567	ppb	98
32] Trichloroethene	4.93	95	32234	18.834	ppb	85
33) 1,2-Dichloropropane	5.13	63	29129	19.873	ppb	100
34) Bromodichloromethane	5.37	83	33955	19.333	ppb	96
36) Dibromomethane	5.23	93	17838	19.976	ppb	98

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110329.D
 Acq On : 03 Nov 2022 05:31 pm
 Operator : LM
 Sample : 20 ppb 8260 ICAL 67-1770
 Misc : soil/water
 ALS Vial : 19 Sample Multiplier: 1
 InstName : GCMS11

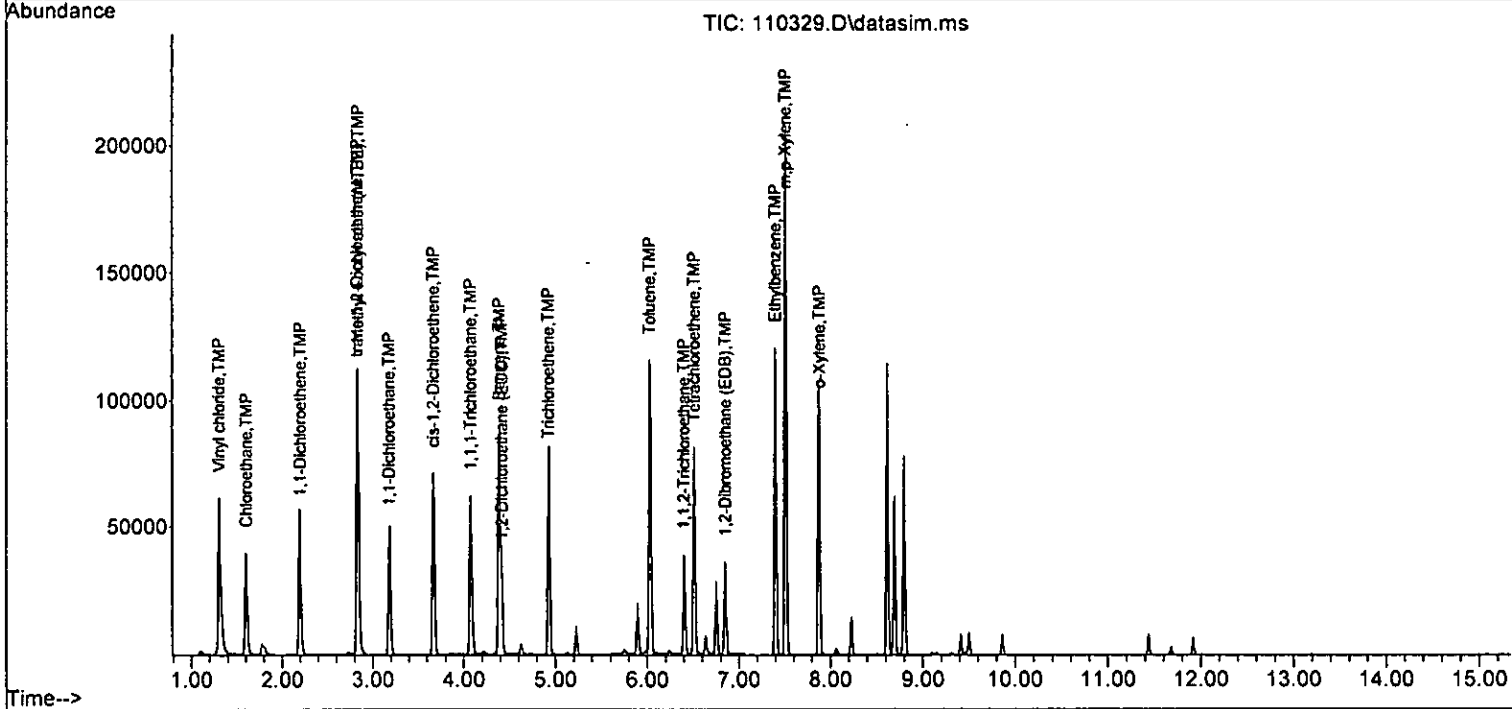
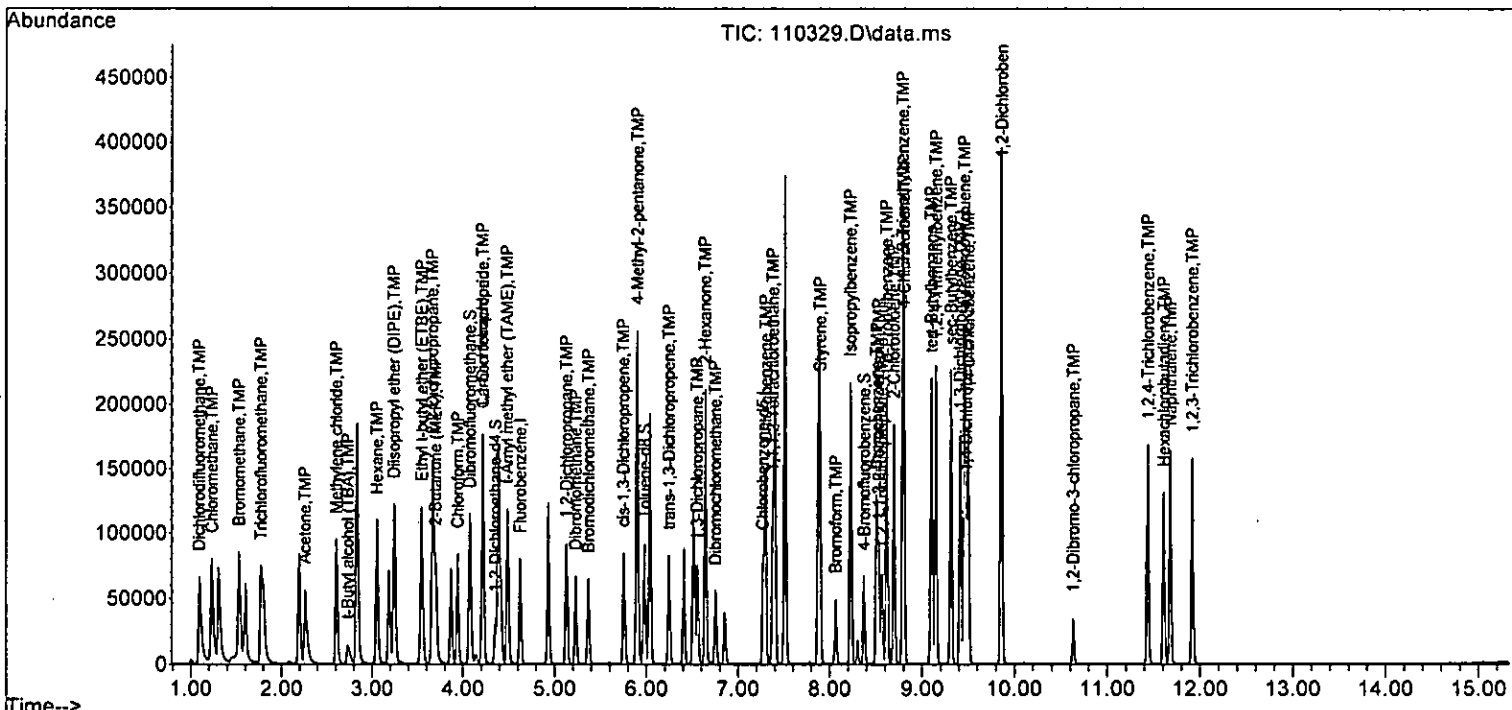
Quant Time: Nov 07 14:09:16 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 14:08:49 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	5.91	85	24991	100.212	ppb	91
38) cis-1,3-Dichloropropene	5.75	75	37571	18.776	ppb	99
40] Toluene	6.03	92	67028	19.167	ppb	91
41) trans-1,3-Dichloropropene	6.25	75	32245	19.759	ppb	100
42] 1,1,2-Trichloroethane	6.40	83	19700	20.782	ppb	93
43) 2-Hexanone	6.64	43	109939	101.929	ppb	96
44) 1,3-Dichloropropane	6.55	76	34182	19.758	ppb	99
45] Tetrachloroethene	6.51	164	28195	20.334	ppb	96
46) Dibromochloromethane	6.75	129	26996	19.494	ppb	96
47] 1,2-Dibromoethane (EDB)	6.85	107	24119	18.915	ppb	98
48) Chlorobenzene	7.30	112	73144	19.709	ppb	97
49] Ethylbenzene	7.40	91	125229	19.387	ppb	91
50) 1,1,1,2-Tetrachloroethane	7.38	131	28436	19.861	ppb	98
51] m,p-Xylene	7.51	106	98203	38.968	ppb	82
52] o-Xylene	7.88	106	49425	19.736	ppb	88
53) Styrene	7.90	104	74445	20.400	ppb	93
54) Isopropylbenzene	8.23	105	128308	20.422	ppb	100
55) Bromoform	8.07	173	20041	19.319	ppb	99
58) n-Propylbenzene	8.62	91	145669	20.145	ppb	98
59) Bromobenzene	8.51	156	34186	19.334	ppb	99
60) 1,3,5-Trimethylbenzene	8.79	105	107079	20.159	ppb	96
61) 1,1,2,2-Tetrachloroethane	8.53	83	34028	19.868	ppb	98
62) 1,2,3-Trichloropropane	8.57	75	25601	19.507	ppb	98
63) 2-Chlorotoluene	8.70	91	85769	19.643	ppb	100
64) 4-Chlorotoluene	8.81	91	96951	20.351	ppb	93
65) tert-Butylbenzene	9.10	119	92498	19.831	ppb	99
66) 1,2,4-Trimethylbenzene	9.15	105	108878	20.262	ppb	98
67) sec-Butylbenzene	9.31	105	139794	20.240	ppb	96
68) p-Isopropyltoluene	9.46	119	121189	20.280	ppb	98
69) 1,3-Dichlorobenzene	9.41	146	66840	19.515	ppb	99
70) 1,4-Dichlorobenzene	9.50	146	66723	19.534	ppb	95
71) 1,2-Dichlorobenzene	9.86	146	67251	19.710	ppb	98
72) 1,2-Dibromo-3-chloropr...	10.63	75	6705	19.311	ppb	93
73) 1,2,4-Trichlorobenzene	11.44	180	50342	19.828	ppb	98
74) Hexachlorobutadiene	11.61	225	27829	18.702	ppb	97
75) Naphthalene	11.68	128	113450	20.106	ppb	99
76) 1,2,3-Trichlorobenzene	11.92	180	46894	19.889	ppb	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110329.D
 Acq On : 03 Nov 2022 05:31 pm
 Operator : LM
 Sample : 20 ppb 8260 ICAL 67-1770
 Misc : soil/water
 ALS Vial : 19 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 14:09:16 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 14:08:49 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M



Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110329.D
 Acq On : 03 Nov 2022 05:31 pm
 Operator : LM
 Sample : 20 ppb 8260 ICAL 67-1770
 Misc : soil/water
 ALS Vial : 19 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 14:09:16 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 14:08:49 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2 TMP	Ethanol	-1.000	0.000	0.0	0	-1.86#
3 S	Dibromofluoromethane	10.000	10.300	-3.0	100	0.00
4 TMP	Dichlorodifluoromethane	20.000	21.064	-5.3	100	0.00
5 TMP	Chloromethane	20.000	19.560	2.2	100	0.02
6 TMP	Vinyl chloride	20.000	20.470	-2.3	100	0.02
7 TMP	Bromomethane	20.000	21.775	-8.9	100	0.00
8 TMP	Chloroethane	20.000	20.561	-2.8	100	0.02
9 TMP	Trichlorofluoromethane	20.000	20.498	-2.5	100	0.00
10 TMP	2-Propanol	-1.000	0.000	0.0	0	-0.04
11 TMP	Acetone	100.000	100.305	-0.3	100	0.00
12 TMP	1,1-Dichloroethene	20.000	20.002	-0.0	100	0.02
13 TMP	Hexane	20.000	19.638	1.8	100	0.00
14 TMP	Methylene chloride	20.000	20.952	-4.8	100	0.00
15 TMP	t-Butyl alcohol (TBA)	100.000	103.633	-3.6	100	0.00
16 TMP	Methyl t-butyl ether (MTBE)	20.000	21.241	-6.2	100	0.00
17 TMP	trans-1,2-Dichloroethene	20.000	19.817	0.9	100	0.00
18 TMP	Diisopropyl ether (DIPE)	20.000	19.910	0.4	100	0.00
19 TMP	1,1-Dichloroethane	20.000	20.552	-2.8	100	0.00
20 TMP	Ethyl t-butyl ether (ETBE)	20.000	20.877	-4.4	100	0.00
21 TMP	2,2-Dichloropropane	20.000	19.737	1.3	100	0.00
22 TMP	cis-1,2-Dichloroethene	20.000	20.302	-1.5	100	0.00
23 TMP	Chloroform	20.000	19.338	3.3	100	0.00
24 TMP	2-Butanone (MEK)	100.000	98.846	1.2	100	0.00
25 TMP	t-Amyl methyl ether (TAME)	20.000	20.297	-1.5	100	0.00
26 TMP	1,2-Dichloroethane (EDC)	20.000	19.368	3.2	100	0.00
27 TMP	1,1,1-Trichloroethane	20.000	20.593	-3.0	100	0.00
28 TMP	1,1-Dichloropropene	20.000	19.706	1.5	100	0.00
29 TMP	Carbon tetrachloride	20.000	19.830	0.9	100	0.00
30 S	1,2-Dichloroethane-d4	10.000	10.405	-4.0	100	0.00
31 TMP	Benzene	20.000	20.567	-2.8	100	0.00
32 TMP	Trichloroethene	20.000	18.834	5.8	100	0.00
33 TMP	1,2-Dichloropropane	20.000	19.873	0.6	100	0.00
34 TMP	Bromodichloromethane	20.000	19.333	3.3	100	0.00
35 S	Toluene-d8	10.000	10.009	-0.1	100	0.00
36 TMP	Dibromomethane	20.000	19.976	0.1	100	0.00
37 TMP	4-Methyl-2-pentanone	100.000	100.212	-0.2	100	0.00
38 TMP	cis-1,3-Dichloropropene	20.000	18.776	6.1	100	0.00
39 I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40 TMP	Toluene	20.000	19.167	4.2	100	0.00
41 TMP	trans-1,3-Dichloropropene	20.000	19.759	1.2	100	0.00
42 TMP	1,1,2-Trichloroethane	20.000	20.782	-3.9	100	0.00
43 TMP	2-Hexanone	100.000	101.929	-1.9	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110329.D
 Acq On : 03 Nov 2022 05:31 pm
 Operator : LM
 Sample : 20 ppb 8260 ICAL 67-1770
 Misc : soil/water
 ALS Vial : 19 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 14:09:16 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 14:08:49 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	20.000	19.758	1.2	100	0.00
45 TMP Tetrachloroethene	20.000	20.334	-1.7	100	0.00
46 TMP Dibromochloromethane	20.000	19.494	2.5	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	20.000	18.915	5.4	100	0.00
48 TMP Chlorobenzene	20.000	19.709	1.5	100	0.00
49 TMP Ethylbenzene	20.000	19.387	3.1	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	20.000	19.861	0.7	100	0.00
51 TMP m,p-Xylene	40.000	38.968	2.6	100	0.00
52 TMP o-Xylene	20.000	19.736	1.3	100	0.00
53 TMP Styrene	20.000	20.400	-2.0	100	0.00
54 TMP Isopropylbenzene	20.000	20.422	-2.1	100	0.00
55 TMP Bromoform	20.000	19.319	3.4	100	0.00
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	10.000	9.882	1.2	100	0.00
58 TMP n-Propylbenzene	20.000	20.145	-0.7	100	0.00
59 TMP Bromobenzene	20.000	19.334	3.3	100	0.00
60 TMP 1,3,5-Trimethylbenzene	20.000	20.159	-0.8	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	20.000	19.868	0.7	100	0.00
62 TMP 1,2,3-Trichloropropane	20.000	19.507	2.5	100	0.00
63 TMP 2-Chlorotoluene	20.000	19.643	1.8	100	0.00
64 TMP 4-Chlorotoluene	20.000	20.351	-1.8	100	0.00
65 TMP tert-Butylbenzene	20.000	19.831	0.8	100	0.00
66 TMP 1,2,4-Trimethylbenzene	20.000	20.262	-1.3	100	0.00
67 TMP sec-Butylbenzene	20.000	20.240	-1.2	100	0.00
68 TMP p-Isopropyltoluene	20.000	20.280	-1.4	100	0.00
69 TMP 1,3-Dichlorobenzene	20.000	19.515	2.4	100	0.00
70 TMP 1,4-Dichlorobenzene	20.000	19.534	2.3	100	0.00
71 TMP 1,2-Dichlorobenzene	20.000	19.710	1.4	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	20.000	19.311	3.4	100	0.00
73 TMP 1,2,4-Trichlorobenzene	20.000	19.828	0.9	100	0.00
74 TMP Hexachlorobutadiene	20.000	18.702	6.5	100	0.00
75 TMP Naphthalene	20.000	20.106	-0.5	100	0.00
76 TMP 1,2,3-Trichlorobenzene	20.000	19.889	0.6	100	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110329.D
 Acq On : 03 Nov 2022 05:31 pm
 Operator : LM
 Sample : 20 ppb 8260 ICAL 67-1770
 Misc : soil/water
 ALS Vial : 19 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 14:09:16 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 14:08:49 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2 TMP	Ethanol	0.000	0.000#	0.0	0#	-1.86#
3 S	Dibromofluoromethane	0.283	0.292	-3.2	100	0.00
4 TMP	Dichlorodifluoromethane	0.771	0.812	-5.3	100	0.00
5 TMP	Chloromethane	0.937	0.916	2.2	100	0.02
6 TMP	Vinyl chloride	0.838	0.858	-2.4	100	0.02
7 TMP	Bromomethane	0.490	0.534	-9.0	100	0.00
8 TMP	Chloroethane	0.420	0.432	-2.9	100	0.02
9 TMP	Trichlorofluoromethane	0.910	0.933	-2.5	100	0.00
10 TMP	2-Propanol	0.000	0.000	0.0	0#	-0.04
11 TMP	Acetone	0.046	0.046	0.0	100	0.00
12 TMP	1,1-Dichloroethene	0.262	0.262	0.0	100	0.02
13 TMP	Hexane	0.408	0.401	1.7	100	0.00
14 TMP	Methylene chloride	0.307	0.319	-3.9	100	0.00
15 TMP	t-Butyl alcohol (TBA)	0.034	0.035	-2.9	100	0.00
16 TMP	Methyl t-butyl ether (MTBE)	0.698	0.741	-6.2	100	0.00
17 TMP	trans-1,2-Dichloroethene	0.296	0.294	0.7	100	0.00
18 TMP	Diisopropyl ether (DIPE)	0.862	0.858	0.5	100	0.00
19 TMP	1,1-Dichloroethane	0.527	0.541	-2.7	100	0.00
20 TMP	Ethyl t-butyl ether (ETBE)	0.290	0.303	-4.5	100	0.00
21 TMP	2,2-Dichloropropane	0.356	0.352	1.1	100	0.00
22 TMP	cis-1,2-Dichloroethene	0.316	0.320	-1.3	100	0.00
23 TMP	Chloroform	0.496	0.480	3.2	100	0.00
24 TMP	2-Butanone (MEK)	0.170	0.168	1.2	100	0.00
25 TMP	t-Amyl methyl ether (TAME)	0.673	0.683	-1.5	100	0.00
26 TMP	1,2-Dichloroethane (EDC)	0.375	0.363	3.2	100	0.00
27 TMP	1,1,1-Trichloroethane	0.428	0.441	-3.0	100	0.00
28 TMP	1,1-Dichloropropene	0.346	0.341	1.4	100	0.00
29 TMP	Carbon tetrachloride	0.372	0.369	0.8	100	0.00
30 S	1,2-Dichloroethane-d4	0.063	0.066	-4.8	100	0.00
31 TMP	Benzene	1.078	1.039	3.6	100	0.00
32 TMP	Trichloroethene	0.311	0.293	5.8	100	0.00
33 TMP	1,2-Dichloropropane	0.266	0.265	0.4	100	0.00
34 TMP	Bromodichloromethane	0.319	0.308	3.4	100	0.00
35 S	Toluene-d8	0.888	0.888	0.0	100	0.00
36 TMP	Dibromomethane	0.162	0.162	0.0	100	0.00
37 TMP	4-Methyl-2-pentanone	0.045	0.045	0.0	100	0.00
38 TMP	cis-1,3-Dichloropropene	0.364	0.341	6.3	100	0.00
39 I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40 TMP	Toluene	0.869	0.833	4.1	100	0.00
41 TMP	trans-1,3-Dichloropropene	0.405	0.401	1.0	100	0.00
42 TMP	1,1,2-Trichloroethane	0.260	0.245	5.8	100	0.00
43 TMP	2-Hexanone	0.268	0.273	-1.9	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110329.D
 Acq On : 03 Nov 2022 05:31 pm
 Operator : LM
 Sample : 20 ppb 8260 ICAL 67-1770
 Misc : soil/water
 ALS Vial : 19 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 14:09:16 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 14:08:49 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.430	0.425	1.2	100	0.00
45 TMP Tetrachloroethene	0.406	0.350	13.8	100	0.00
46 TMP Dibromochloromethane	0.344	0.335	2.6	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	0.317	0.300	5.4	100	0.00
48 TMP Chlorobenzene	0.922	0.909	1.4	100	0.00
49 TMP Ethylbenzene	1.605	1.556	3.1	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.356	0.353	0.8	100	0.00
51 TMP m,p-Xylene	0.626	0.610	2.6	100	0.00
52 TMP o-Xylene	0.622	0.614	1.3	100	0.00
53 TMP Styrene	0.907	0.925	-2.0	100	0.00
54 TMP Isopropylbenzene	1.561	1.594	-2.1	100	0.00
55 TMP Bromoform	0.258	0.249	3.5	100	0.00
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	0.748	0.739	1.2	100	0.00
58 TMP n-Propylbenzene	3.027	3.049	-0.7	100	0.00
59 TMP Bromobenzene	0.740	0.716	3.2	100	0.00
60 TMP 1,3,5-Trimethylbenzene	2.224	2.241	-0.8	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.717	0.712	0.7	100	0.00
62 TMP 1,2,3-Trichloropropane	0.549	0.536	2.4	100	0.00
63 TMP 2-Chlorotoluene	1.828	1.795	1.8	100	0.00
64 TMP 4-Chlorotoluene	1.994	2.029	-1.8	100	0.00
65 TMP tert-Butylbenzene	1.953	1.936	0.9	100	0.00
66 TMP 1,2,4-Trimethylbenzene	2.250	2.279	-1.3	100	0.00
67 TMP sec-Butylbenzene	2.892	2.926	-1.2	100	0.00
68 TMP p-Isopropyltoluene	2.502	2.537	-1.4	100	0.00
69 TMP 1,3-Dichlorobenzene	1.434	1.399	2.4	100	0.00
70 TMP 1,4-Dichlorobenzene	1.430	1.397	2.3	100	0.00
71 TMP 1,2-Dichlorobenzene	1.428	1.408	1.4	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	0.145	0.140	3.4	100	0.00
73 TMP 1,2,4-Trichlorobenzene	1.063	1.054	0.8	100	0.00
74 TMP Hexachlorobutadiene	0.623	0.583	6.4	100	0.00
75 TMP Naphthalene	2.362	2.375	-0.6	100	0.00
76 TMP 1,2,3-Trichlorobenzene	0.987	0.982	0.5	100	0.00

(#) = Out of Range

SPCC's out = 1 CCC's out = 0

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110330.D
 Acq On : 03 Nov 2022 05:54 pm
 Operator : LM
 Sample : 50 ppb 8260 ICAL 67-177Q
 Misc : soil/water
 ALS Vial : 20 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 14:09:18 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 14:08:49 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	4.63	96	55430	10.000	ppb	0.00	
39) Chlorobenzene-d5	7.27	117	40353	10.000	ppb	0.00	
56) 1,4-Dichlorobenzene-d4	9.48	152	23738	10.000	ppb	0.00	
System Monitoring Compounds							
3) Dibromofluoromethane	4.08	113	15841	10.092	ppb	0.00	
Spiked Amount	10.000	Range 50 - 150	Recovery	=	100.90%		
30) 1,2-Dichloroethane-d4	4.36	102	3663	10.488	ppb	0.00	
Spiked Amount	10.000	Range 79 - 128	Recovery	=	104.90%		
35) Toluene-d8	5.98	98	49664	10.093	ppb	0.00	
Spiked Amount	10.000	Range 84 - 121	Recovery	=	100.90%		
57) 4-Bromofluorobenzene	8.38	95	17491	9.853	ppb	0.00	
Spiked Amount	10.000	Range 84 - 116	Recovery	=	98.50%		
Target Compounds							
2) Ethanol	0.00		0	N.D.			Qvalue
4) Dichlorodifluoromethane	1.09	85	230790	53.981	ppb		98
5) Chloromethane	1.23	50	258092	49.690	ppb		94
6] Vinyl chloride	1.31	62	239530	51.566	ppb		99
7) Bromomethane	1.53	94	140739	51.765	ppb		93
8] Chloroethane	1.61	64	119740	51.377	ppb		100
9) Trichlorofluoromethane	1.77	101	257295	50.984	ppb		96
10) 2-Propanol	2.40	45	126	No Calib			
11) Acetone	2.26	58	70105	274.663	ppb	#	83
12] 1,1-Dichloroethene	2.20	96	74885	51.544	ppb		91
13) Hexane	3.05	57	119341	52.778	ppb		99
14) Methylene chloride	2.61	84	83034	53.046	ppb		95
15) t-Butyl alcohol (TBA)	2.73	59	50656	269.472	ppb		98
16] Methyl t-butyl ether (...)	2.84	73	207298	53.583	ppb		97
17] trans-1,2-Dichloroethene	2.83	96	81784	49.793	ppb		86
18) Diisopropyl ether (DIPE)	3.24	45	245767	51.455	ppb		98
19] 1,1-Dichloroethane	3.18	63	149986	51.384	ppb		95
20) Ethyl t-butyl ether (E...)	3.55	87	85451	53.152	ppb		97
21) 2,2-Dichloropropane	3.67	77	95456	48.322	ppb		98
22] cis-1,2-Dichloroethene	3.67	96	88544	50.627	ppb		88
23) Chloroform	3.95	83	135011	49.058	ppb		98
24) 2-Butanone (MEK)	3.70	43	238515	252.523	ppb		97
25) t-Amyl methyl ether (T...)	4.49	73	197934	53.085	ppb		97
26] 1,2-Dichloroethane (EDC)	4.42	62	101762	48.974	ppb		96
27] 1,1,1-Trichloroethane	4.08	97	123901	52.212	ppb		93
28) 1,1-Dichloropropene	4.22	75	98468	51.270	ppb		99
29) Carbon tetrachloride	4.22	117	106124	51.460	ppb		98
31] Benzene	4.39	78	293154	52.703	ppb		98
32] Trichloroethene	4.93	95	83870	48.654	ppb		86
33) 1,2-Dichloropropane	5.13	63	73203	49.586	ppb		99
34) Bromodichloromethane	5.37	83	89468	50.576	ppb		96
36) Dibromomethane	5.23	93	46624	51.840	ppb		95

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110330.D
 Acq On : 03 Nov 2022 05:54 pm
 Operator : LM
 Sample : 50 ppb 8260 ICAL 67-177Q
 Misc : soil/water
 ALS Vial : 20 Sample Multiplier: 1
 InstName : GCMS11

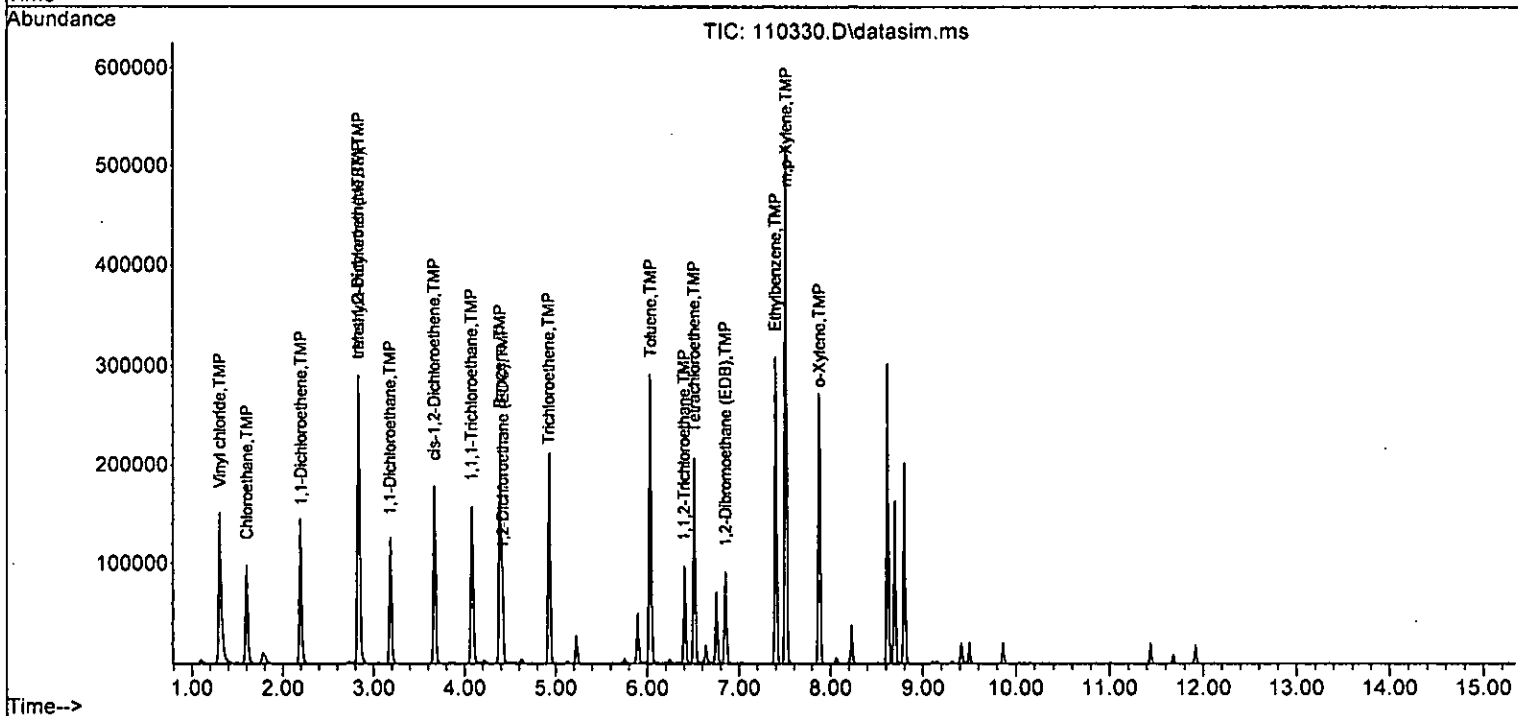
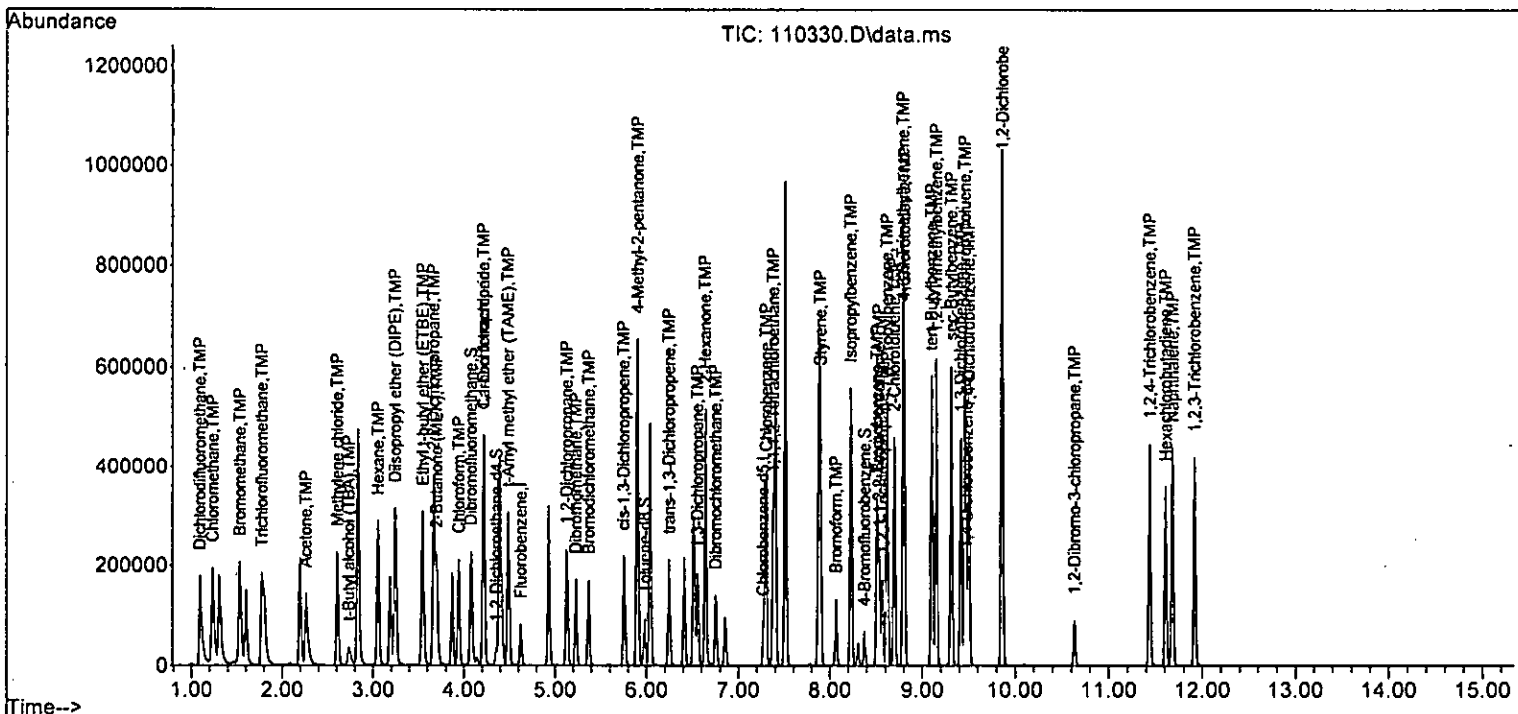
Quant Time: Nov 07 14:09:18 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 14:08:49 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	5.91	85	66484	264.690	ppb	94
38) cis-1,3-Dichloropropene	5.75	75	99635	49.437	ppb	99
40] Toluene	6.04	92	172681	49.250	ppb	98
41) trans-1,3-Dichloropropene	6.25	75	81673	49.917	ppb	99
42] 1,1,2-Trichloroethane	6.40	83	49978	52.801	ppb	92
43) 2-Hexanone	6.64	43	269033	248.777	ppb	97
44) 1,3-Dichloropropane	6.55	76	87095	50.210	ppb	99
45] Tetrachloroethene	6.51	164	72032	52.300	ppb	97
46) Dibromochloromethane	6.75	129	70391	50.696	ppb	91
47] 1,2-Dibromoethane (EDB)	6.85	107	61636	48.211	ppb	98
48) Chlorobenzene	7.30	112	186312	50.070	ppb	97
49] Ethylbenzene	7.40	91	320657	49.510	ppb	90
50) 1,1,1,2-Tetrachloroethane	7.38	131	76289	53.143	ppb	97
51] m,p-Xylene	7.52	106	251498	99.536	ppb	88
52] o-Xylene	7.88	106	128138	51.031	ppb	90
53) Styrene	7.90	104	192786	52.689	ppb	95
54) Isopropylbenzene	8.23	105	337335	53.550	ppb	100
55) Bromoform	8.07	173	52759	50.724	ppb	99
58) n-Propylbenzene	8.62	91	374591	52.125	ppb	100
59) Bromobenzene	8.51	156	87517	49.803	ppb	95
60) 1,3,5-Trimethylbenzene	8.79	105	282955	53.601	ppb	100
61) 1,1,2,2-Tetrachloroethane	8.53	83	86655	50.912	ppb	98
62) 1,2,3-Trichloropropane	8.57	75	63601	48.765	ppb	96
63) 2-Chlorotoluene	8.70	91	222404	51.253	ppb	100
64) 4-Chlorotoluene	8.81	91	247728	52.325	ppb	97
65) tert-Butylbenzene	9.10	119	253461	54.679	ppb	99
66) 1,2,4-Trimethylbenzene	9.15	105	289116	54.139	ppb	98
67) sec-Butylbenzene	9.31	105	376242	54.814	ppb	98
68) p-Isopropyltoluene	9.46	119	326241	54.934	ppb	97
69) 1,3-Dichlorobenzene	9.42	146	170247	50.015	ppb	99
70) 1,4-Dichlorobenzene	9.50	146	169525	49.940	ppb	96
71) 1,2-Dichlorobenzene	9.86	146	172360	50.831	ppb	98
72) 1,2-Dibromo-3-chloropr...	10.63	75	17744	51.423	ppb	98
73) 1,2,4-Trichlorobenzene	11.44	180	133935	53.082	ppb	99
74) Hexachlorobutadiene	11.61	225	73888	49.964	ppb	96
75) Naphthalene	11.68	128	309451	55.183	ppb	99
76) 1,2,3-Trichlorobenzene	11.92	180	125694	53.642	ppb	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110330.D
 Acq On : 03 Nov 2022 05:54 pm
 Operator : LM
 Sample : 50 ppb 8260 ICAL 67-177Q
 Misc : soil/water
 ALS Vial : 20 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 14:09:18 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 14:08:49 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M



Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110330.D
 Acq On : 03 Nov 2022 05:54 pm
 Operator : LM
 Sample : 50 ppb 8260 ICAL 67-177Q
 Misc : soil/water
 ALS Vial : 20 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 14:09:18 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 14:08:49 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I Fluorobenzene	10.000	10.000	0.0	100	0.00
2 TMP Ethanol	-1.000	0.000	0.0	0	-1.86#
3 S Dibromofluoromethane	10.000	10.092	-0.9	100	0.00
4 TMP Dichlorodifluoromethane	50.000	53.981	-8.0	100	0.00
5 TMP Chloromethane	50.000	49.690	0.6	100	0.02
6 TMP Vinyl chloride	50.000	51.566	-3.1	100	0.02
7 TMP Bromomethane	50.000	51.765	-3.5	100	0.00
8 TMP Chloroethane	50.000	51.377	-2.8	100	0.02
9 TMP Trichlorofluoromethane	50.000	50.984	-2.0	100	0.00
10 TMP 2-Propanol	-1.000	0.000	0.0	0	-0.03
11 TMP Acetone	250.000	274.663	-9.9	100	0.00
12 TMP 1,1-Dichloroethene	50.000	51.544	-3.1	100	0.02
13 TMP Hexane	50.000	52.778	-5.6	100	0.00
14 TMP Methylene chloride	50.000	53.046	-6.1	100	0.00
15 TMP t-Butyl alcohol (TBA)	250.000	269.472	-7.8	100	0.00
16 TMP Methyl t-butyl ether (MTBE)	50.000	53.583	-7.2	100	0.00
17 TMP trans-1,2-Dichloroethene	50.000	49.793	0.4	100	0.00
18 TMP Diisopropyl ether (DIPE)	50.000	51.455	-2.9	100	0.00
19 TMP 1,1-Dichloroethane	50.000	51.384	-2.8	100	0.00
20 TMP Ethyl t-butyl ether (ETBE)	50.000	53.152	-6.3	100	0.00
21 TMP 2,2-Dichloropropane	50.000	48.322	3.4	100	0.00
22 TMP cis-1,2-Dichloroethene	50.000	50.627	-1.3	100	0.00
23 TMP Chloroform	50.000	49.058	1.9	100	0.00
24 TMP 2-Butanone (MEK)	250.000	252.523	-1.0	100	0.00
25 TMP t-Amyl methyl ether (TAME)	50.000	53.085	-6.2	100	0.00
26 TMP 1,2-Dichloroethane (EDC)	50.000	48.974	2.1	100	0.00
27 TMP 1,1,1-Trichloroethane	50.000	52.212	-4.4	100	0.00
28 TMP 1,1-Dichloropropene	50.000	51.270	-2.5	100	0.00
29 TMP Carbon tetrachloride	50.000	51.460	-2.9	100	0.00
30 S 1,2-Dichloroethane-d4	10.000	10.488	-4.9	100	0.00
31 TMP Benzene	50.000	52.703	-5.4	100	0.00
32 TMP Trichloroethene	50.000	48.654	2.7	100	0.00
33 TMP 1,2-Dichloropropane	50.000	49.586	0.8	100	0.00
34 TMP Bromodichloromethane	50.000	50.576	-1.2	100	0.00
35 S Toluene-d8	10.000	10.093	-0.9	100	0.00
36 TMP Dibromomethane	50.000	51.840	-3.7	100	0.00
37 TMP 4-Methyl-2-pentanone	250.000	264.690	-5.9	100	0.00
38 TMP cis-1,3-Dichloropropene	50.000	49.437	1.1	100	0.00
39 I Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40 TMP Toluene	50.000	49.250	1.5	100	0.01
41 TMP trans-1,3-Dichloropropene	50.000	49.917	0.2	100	0.00
42 TMP 1,1,2-Trichloroethane	50.000	52.801	-5.6	100	0.00
43 TMP 2-Hexanone	250.000	248.777	0.5	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110330.D
 Acq On : 03 Nov 2022 05:54 pm
 Operator : LM
 Sample : 50 ppb 8260 ICAL 67-177Q
 Misc : soil/water
 ALS Vial : 20 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 14:09:18 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 14:08:49 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	50.000	50.210	-0.4	100	0.00
45 TMP Tetrachloroethene	50.000	52.300	-4.6	100	0.00
46 TMP Dibromochloromethane	50.000	50.696	-1.4	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	50.000	48.211	3.6	100	0.00
48 TMP Chlorobenzene	50.000	50.070	-0.1	100	0.00
49 TMP Ethylbenzene	50.000	49.510	1.0	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	50.000	53.143	-6.3	100	0.00
51 TMP m,p-Xylene	100.000	99.536	0.5	100	0.00
52 TMP o-Xylene	50.000	51.031	-2.1	100	0.00
53 TMP Styrene	50.000	52.689	-5.4	100	0.00
54 TMP Isopropylbenzene	50.000	53.550	-7.1	100	0.00
55 TMP Bromoform	50.000	50.724	-1.4	100	0.00
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	10.000	9.853	1.5	100	0.00
58 TMP n-Propylbenzene	50.000	52.125	-4.3	100	0.00
59 TMP Bromobenzene	50.000	49.803	0.4	100	0.00
60 TMP 1,3,5-Trimethylbenzene	50.000	53.601	-7.2	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	50.000	50.912	-1.8	100	0.00
62 TMP 1,2,3-Trichloropropane	50.000	48.765	2.5	100	0.00
63 TMP 2-Chlorotoluene	50.000	51.253	-2.5	100	0.00
64 TMP 4-Chlorotoluene	50.000	52.325	-4.7	100	0.00
65 TMP tert-Butylbenzene	50.000	54.679	-9.4	100	0.00
66 TMP 1,2,4-Trimethylbenzene	50.000	54.139	-8.3	100	0.00
67 TMP sec-Butylbenzene	50.000	54.814	-9.6	100	0.00
68 TMP p-Isopropyltoluene	50.000	54.934	-9.9	100	0.00
69 TMP 1,3-Dichlorobenzene	50.000	50.015	-0.0	100	0.00
70 TMP 1,4-Dichlorobenzene	50.000	49.940	0.1	100	0.00
71 TMP 1,2-Dichlorobenzene	50.000	50.831	-1.7	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	50.000	51.423	-2.8	100	0.00
73 TMP 1,2,4-Trichlorobenzene	50.000	53.082	-6.2	100	0.00
74 TMP Hexachlorobutadiene	50.000	49.964	0.1	100	0.00
75 TMP Naphthalene	50.000	55.183	-10.4	100	0.00
76 TMP 1,2,3-Trichlorobenzene	50.000	53.642	-7.3	100	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110330.D
 Acq On : 03 Nov 2022 05:54 pm
 Operator : LM
 Sample : 50 ppb 8260 ICAL 67-177Q
 Misc : soil/water
 ALS Vial : 20 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 14:09:18 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 14:08:49 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2 TMP	Ethanol	0.000	0.000#	0.0	0#	-1.86#
3 S	Dibromofluoromethane	0.283	0.286	-1.1	100	0.00
4 TMP	Dichlorodifluoromethane	0.771	0.833	-8.0	100	0.00
5 TMP	Chloromethane	0.937	0.931	0.6	100	0.02
6 TMP	Vinyl chloride	0.838	0.864	-3.1	100	0.02
7 TMP	Bromomethane	0.490	0.508	-3.7	100	0.00
8 TMP	Chloroethane	0.420	0.432	-2.9	100	0.02
9 TMP	Trichlorofluoromethane	0.910	0.928	-2.0	100	0.00
10 TMP	2-Propanol	0.000	0.000	0.0	0#	-0.03
11 TMP	Acetone	0.046	0.051	-10.9	100	0.00
12 TMP	1,1-Dichloroethene	0.262	0.270	-3.1	100	0.02
13 TMP	Hexane	0.408	0.431	-5.6	100	0.00
14 TMP	Methylene chloride	0.307	0.300	2.3	100	0.00
15 TMP	t-Butyl alcohol (TBA)	0.034	0.037	-8.8	100	0.00
16 TMP	Methyl t-butyl ether (MTBE)	0.698	0.748	-7.2	100	0.00
17 TMP	trans-1,2-Dichloroethene	0.296	0.295	0.3	100	0.00
18 TMP	Diisopropyl ether (DIPE)	0.862	0.887	-2.9	100	0.00
19 TMP	1,1-Dichloroethane	0.527	0.541	-2.7	100	0.00
20 TMP	Ethyl t-butyl ether (ETBE)	0.290	0.308	-6.2	100	0.00
21 TMP	2,2-Dichloropropane	0.356	0.344	3.4	100	0.00
22 TMP	cis-1,2-Dichloroethene	0.316	0.319	-0.9	100	0.00
23 TMP	Chloroform	0.496	0.487	1.8	100	0.00
24 TMP	2-Butanone (MEK)	0.170	0.172	-1.2	100	0.00
25 TMP	t-Amyl methyl ether (TAME)	0.673	0.714	-6.1	100	0.00
26 TMP	1,2-Dichloroethane (EDC)	0.375	0.367	2.1	100	0.00
27 TMP	1,1,1-Trichloroethane	0.428	0.447	-4.4	100	0.00
28 TMP	1,1-Dichloropropene	0.346	0.355	-2.6	100	0.00
29 TMP	Carbon tetrachloride	0.372	0.383	-3.0	100	0.00
30 S	1,2-Dichloroethane-d4	0.063	0.066	-4.8	100	0.00
31 TMP	Benzene	1.078	1.058	1.9	100	0.00
32 TMP	Trichloroethene	0.311	0.303	2.6	100	0.00
33 TMP	1,2-Dichloropropane	0.266	0.264	0.8	100	0.00
34 TMP	Bromodichloromethane	0.319	0.323	-1.3	100	0.00
35 S	Toluene-d8	0.888	0.896	-0.9	100	0.00
36 TMP	Dibromomethane	0.162	0.168	-3.7	100	0.00
37 TMP	4-Methyl-2-pentanone	0.045	0.048	-6.7	100	0.00
38 TMP	cis-1,3-Dichloropropene	0.364	0.359	1.4	100	0.00
39 I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40 TMP	Toluene	0.869	0.856	1.5	100	0.01
41 TMP	trans-1,3-Dichloropropene	0.405	0.405	0.0	100	0.00
42 TMP	1,1,2-Trichloroethane	0.260	0.248	4.6	100	0.00
43 TMP	2-Hexanone	0.268	0.267	0.4	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110330.D
 Acq On : 03 Nov 2022 05:54 pm
 Operator : LM
 Sample : 50 ppb 8260 ICAL 67-177Q
 Misc : soil/water
 ALS Vial : 20 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 14:09:18 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 14:08:49 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.430	0.432	-0.5	100	0.00
45 TMP Tetrachloroethene	0.406	0.357	12.1	100	0.00
46 TMP Dibromochloromethane	0.344	0.349	-1.5	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	0.317	0.305	3.8	100	0.00
48 TMP Chlorobenzene	0.922	0.923	-0.1	100	0.00
49 TMP Ethylbenzene	1.605	1.589	1.0	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.356	0.378	-6.2	100	0.00
51 TMP m,p-Xylene	0.626	0.623	0.5	100	0.00
52 TMP o-Xylene	0.622	0.635	-2.1	100	0.00
53 TMP Styrene	0.907	0.955	-5.3	100	0.00
54 TMP Isopropylbenzene	1.561	1.672	-7.1	100	0.00
55 TMP Bromoform	0.258	0.261	-1.2	100	0.00
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	0.748	0.737	1.5	100	0.00
58 TMP n-Propylbenzene	3.027	3.156	-4.3	100	0.00
59 TMP Bromobenzene	0.740	0.737	0.4	100	0.00
60 TMP 1,3,5-Trimethylbenzene	2.224	2.384	-7.2	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.717	0.730	-1.8	100	0.00
62 TMP 1,2,3-Trichloropropane	0.549	0.536	2.4	100	0.00
63 TMP 2-Chlorotoluene	1.828	1.874	-2.5	100	0.00
64 TMP 4-Chlorotoluene	1.994	2.087	-4.7	100	0.00
65 TMP tert-Butylbenzene	1.953	2.135	-9.3	100	0.00
66 TMP 1,2,4-Trimethylbenzene	2.250	2.436	-8.3	100	0.00
67 TMP sec-Butylbenzene	2.892	3.170	-9.6	100	0.00
68 TMP p-Isopropyltoluene	2.502	2.749	-9.9	100	0.00
69 TMP 1,3-Dichlorobenzene	1.434	1.434	0.0	100	0.00
70 TMP 1,4-Dichlorobenzene	1.430	1.428	0.1	100	0.00
71 TMP 1,2-Dichlorobenzene	1.428	1.452	-1.7	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	0.145	0.149	-2.8	100	0.00
73 TMP 1,2,4-Trichlorobenzene	1.063	1.128	-6.1	100	0.00
74 TMP Hexachlorobutadiene	0.623	0.623	0.0	100	0.00
75 TMP Naphthalene	2.362	2.607	-10.4	100	0.00
76 TMP 1,2,3-Trichlorobenzene	0.987	1.059	-7.3	100	0.00

(#) = Out of Range

SPCC's out = 1 CCC's out = 0

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110331.D
 Acq On : 03 Nov 2022 06:16 pm
 Operator : LM
 Sample : 100 ppb 8260 ICAL 67-177S
 Misc : soil/water
 ALS Vial : 21 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 14:09:20 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 14:08:49 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	4.63	96	54152	10.000	ppb	0.00
39) Chlorobenzene-d5	7.27	117	39544	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	23400	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.08	113	15408	10.048	ppb	0.00
Spiked Amount	10.000	Range 50 - 150	Recovery	=	100.50%	
30) 1,2-Dichloroethane-d4	4.36	102	3142	9.208	ppb	0.00
Spiked Amount	10.000	Range 79 - 128	Recovery	=	92.10%	
35) Toluene-d8	5.98	98	48483	10.086	ppb	0.00
Spiked Amount	10.000	Range 84 - 121	Recovery	=	100.90%	
57) 4-Bromofluorobenzene	8.38	95	16998	9.714	ppb	0.00
Spiked Amount	10.000	Range 84 - 116	Recovery	=	97.10%	
Target Compounds						
						Qvalue
2) Ethanol	0.00		0	N.D.		
4) Dichlorodifluoromethane	1.09	85	436597	104.529	ppb	99
5) Chloromethane	1.23	50	489692	96.505	ppb	97
6] Vinyl chloride	1.31	62	450089	99.182	ppb	99
7) Bromomethane	1.53	94	261762	98.550	ppb	93
8] Chloroethane	1.60	64	220954	97.042	ppb	94
9) Trichlorofluoromethane	1.78	101	477941	96.941	ppb	92
10) 2-Propanol	2.39	45	205	No Calib		
11) Acetone	2.26	58	124493	499.260	ppb	# 85
12] 1,1-Dichloroethene	2.20	96	135113	95.195	ppb	96
13) Hexane	3.05	57	222231	100.600	ppb	99
14) Methylene chloride	2.61	84	149640	101.011	ppb	95
15) t-Butyl alcohol (TBA)	2.73	59	89912	489.588	ppb	99
16] Methyl t-butyl ether (...)	2.84	73	371776	98.366	ppb	96
17] trans-1,2-Dichloroethene	2.84	96	149816	93.366	ppb	99
18) Diisopropyl ether (DIPE)	3.24	45	448939	96.210	ppb	97
19] 1,1-Dichloroethane	3.19	63	272058	95.404	ppb	99
20) Ethyl t-butyl ether (E...)	3.55	87	155746	99.163	ppb	98
21) 2,2-Dichloropropane	3.67	77	196593	101.868	ppb	99
22] cis-1,2-Dichloroethene	3.67	96	161874	94.739	ppb	86
23) Chloroform	3.95	83	244403	90.903	ppb	99
24) 2-Butanone (MEK)	3.70	43	433658	469.963	ppb	97
25) t-Amyl methyl ether (T...)	4.49	73	357751	98.212	ppb	98
26] 1,2-Dichloroethane (EDC)	4.42	62	184434	90.856	ppb	96
27] 1,1,1-Trichloroethane	4.08	97	225936	97.457	ppb	92
28) 1,1-Dichloropropene	4.22	75	186268	99.274	ppb	98
29) Carbon tetrachloride	4.22	117	195555	97.064	ppb	98
31] Benzene	4.39	78	534436	99.241	ppb	98
32] Trichloroethene	4.93	95	154757	91.895	ppb	84
33) 1,2-Dichloropropane	5.13	63	134262	93.092	ppb	100
34) Bromodichloromethane	5.37	83	167294	96.804	ppb	95
36) Dibromomethane	5.23	93	83358	94.871	ppb	99

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110331.D
 Acq On : 03 Nov 2022 06:16 pm
 Operator : LM
 Sample : 100 ppb 8260 ICAL 67-177S
 Misc : soil/water
 ALS Vial : 21 Sample Multiplier: 1
 InstName : GCMS11

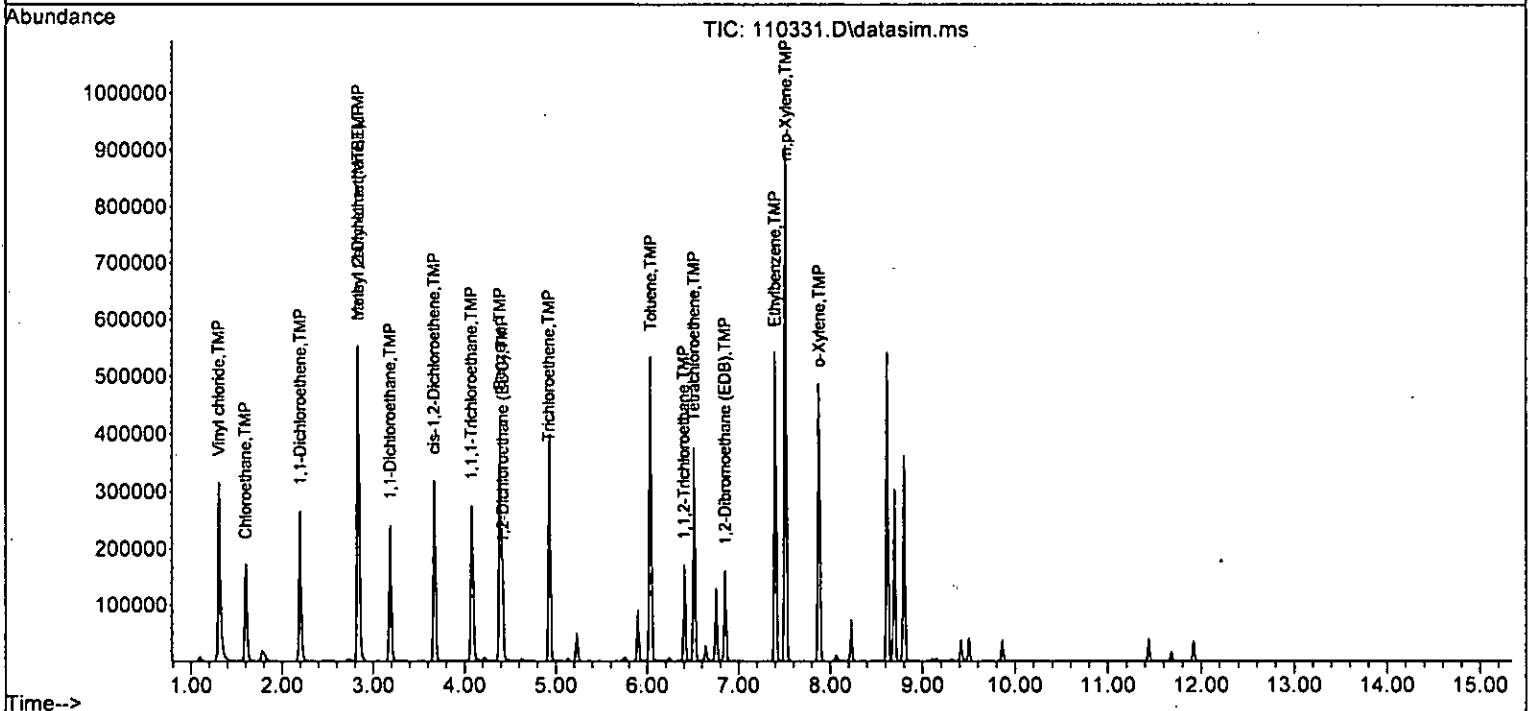
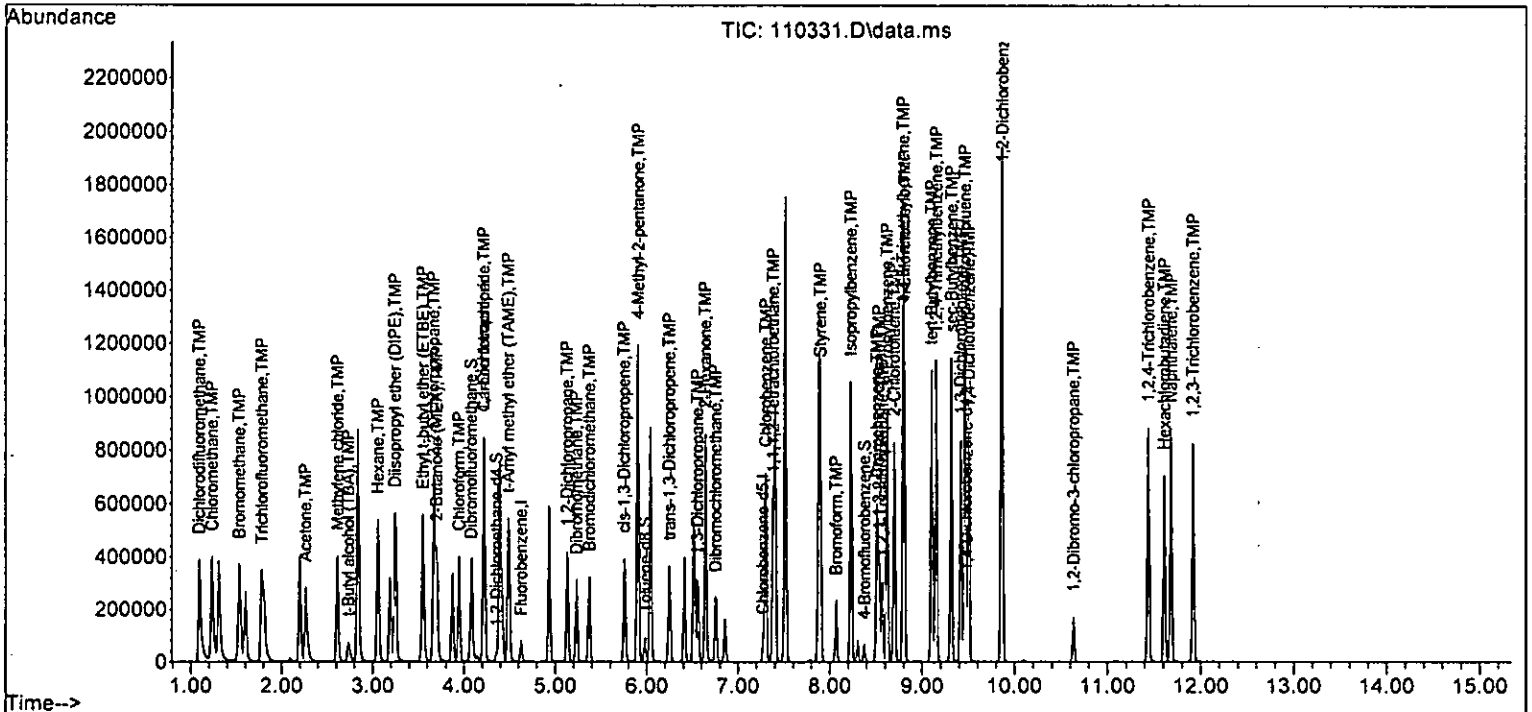
Quant Time: Nov 07 14:09:20 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 14:08:49 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	5.91	85	119159	485.599	ppb	96
38) cis-1,3-Dichloropropene	5.75	75	183596	93.248	ppb	99
40] Toluene	6.04	92	312881	91.061	ppb	98
41) trans-1,3-Dichloropropene	6.25	75	146447	91.337	ppb	98
42] 1,1,2-Trichloroethane	6.40	83	88676	96.038	ppb	94
43) 2-Hexanone	6.64	43	447091	421.886	ppb	97
44) 1,3-Dichloropropane	6.55	76	149881	88.173	ppb	98
45] Tetrachloroethene	6.51	164	131346	98.468	ppb	97
46) Dibromochloromethane	6.75	129	127601	93.780	ppb	94
47] 1,2-Dibromoethane (EDB)	6.85	107	107795	86.041	ppb	98
48) Chlorobenzene	7.30	112	340636	93.417	ppb	98
49] Ethylbenzene	7.40	91	579282	91.273	ppb	90
50) 1,1,1,2-Tetrachloroethane	7.38	131	140352	99.770	ppb	97
51] m,p-Xylene	7.52	106	455456	183.945	ppb	91
52] o-Xylene	7.88	106	236400	96.073	ppb	92
53) Styrene	7.90	104	351999	98.171	ppb	96
54) Isopropylbenzene	8.23	105	627241	101.609	ppb	99
55) Bromoform	8.07	173	95070	93.274	ppb	99
58) n-Propylbenzene	8.62	91	690344	97.450	ppb	99
59) Bromobenzene	8.51	156	159854	92.281	ppb	96
60) 1,3,5-Trimethylbenzene	8.79	105	527366	101.344	ppb	98
61) 1,1,2,2-Tetrachloroethane	8.53	83	154209	91.910	ppb	97
62) 1,2,3-Trichloropropane	8.57	75	111016	86.349	ppb	95
63) 2-Chlorotoluene	8.70	91	404075	94.463	ppb	99
64) 4-Chlorotoluene	8.81	91	450578	96.545	ppb	98
65) tert-Butylbenzene	9.10	119	484927	106.125	ppb	99
66) 1,2,4-Trimethylbenzene	9.15	105	539361	102.459	ppb	97
67) sec-Butylbenzene	9.32	105	710045	104.939	ppb	99
68) p-Isopropyltoluene	9.46	119	619496	105.819	ppb	98
69) 1,3-Dichlorobenzene	9.42	146	316508	94.327	ppb	99
70) 1,4-Dichlorobenzene	9.50	146	319960	95.618	ppb	98
71) 1,2-Dichlorobenzene	9.86	146	321023	96.042	ppb	96
72) 1,2-Dibromo-3-chloropr...	10.63	75	33390	98.164	ppb	91
73) 1,2,4-Trichlorobenzene	11.44	180	265630	106.796	ppb	96
74) Hexachlorobutadiene	11.61	225	145542	99.839	ppb	99
75) Naphthalene	11.68	128	620106	112.179	ppb	99
76) 1,2,3-Trichlorobenzene	11.92	180	248383	107.533	ppb	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110331.D
 Acq On : 03 Nov 2022 06:16 pm
 Operator : LM
 Sample : 100 ppb 8260 ICAL 67-177S
 Misc : soil/water
 ALS Vial : 21 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 14:09:20 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 14:08:49 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M



Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110331.D
 Acq On : 03 Nov 2022 06:16 pm
 Operator : LM
 Sample : 100 ppb 8260 ICAL 67-177S
 Misc : soil/water
 ALS Vial : 21 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 14:09:20 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 14:08:49 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2 TMP	Ethanol	-1.000	0.000	0.0	0	-1.86#
3 S	Dibromofluoromethane	10.000	10.048	-0.5	100	0.00
4 TMP	Dichlorodifluoromethane	100.000	104.529	-4.5	100	0.00
5 TMP	Chloromethane	100.000	96.505	3.5	100	0.02
6 TMP	Vinyl chloride	100.000	99.182	0.8	100	0.02
7 TMP	Bromomethane	100.000	98.550	1.5	100	0.00
8 TMP	Chloroethane	100.000	97.042	3.0	100	0.00
9 TMP	Trichlorofluoromethane	100.000	96.941	3.1	100	0.02
10 TMP	2-Propanol	-1.000	0.000	0.0	0	-0.04
11 TMP	Acetone	500.000	499.260	0.1	100	0.00
12 TMP	1,1-Dichloroethene	100.000	95.195	4.8	100	0.02
13 TMP	Hexane	100.000	100.600	-0.6	100	0.00
14 TMP	Methylene chloride	100.000	101.011	-1.0	100	0.02
15 TMP	t-Butyl alcohol (TBA)	500.000	489.588	2.1	100	0.00
16 TMP	Methyl t-butyl ether (MTBE)	100.000	98.366	1.6	100	0.00
17 TMP	trans-1,2-Dichloroethene	100.000	93.366	6.6	100	0.02
18 TMP	Diisopropyl ether (DIPE)	100.000	96.210	3.8	100	0.00
19 TMP	1,1-Dichloroethane	100.000	95.404	4.6	100	0.02
20 TMP	Ethyl t-butyl ether (ETBE)	100.000	99.163	0.8	100	0.00
21 TMP	2,2-Dichloropropane	100.000	101.868	-1.9	100	0.00
22 TMP	cis-1,2-Dichloroethene	100.000	94.739	5.3	100	0.00
23 TMP	Chloroform	100.000	90.903	9.1	100	0.00
24 TMP	2-Butanone (MEK)	500.000	469.963	6.0	100	0.00
25 TMP	t-Amyl methyl ether (TAME)	100.000	98.212	1.8	100	0.00
26 TMP	1,2-Dichloroethane (EDC)	100.000	90.856	9.1	100	0.00
27 TMP	1,1,1-Trichloroethane	100.000	97.457	2.5	100	0.00
28 TMP	1,1-Dichloropropane	100.000	99.274	0.7	100	0.00
29 TMP	Carbon tetrachloride	100.000	97.064	2.9	100	0.00
30 S	1,2-Dichloroethane-d4	10.000	9.208	7.9	100	0.00
31 TMP	Benzene	100.000	99.241	0.8	100	0.00
32 TMP	Trichloroethene	100.000	91.895	8.1	100	0.00
33 TMP	1,2-Dichloropropane	100.000	93.092	6.9	100	0.00
34 TMP	Bromodichloromethane	100.000	96.804	3.2	100	0.00
35 S	Toluene-d8	10.000	10.086	-0.9	100	0.00
36 TMP	Dibromomethane	100.000	94.871	5.1	100	0.00
37 TMP	4-Methyl-2-pentanone	500.000	485.599	2.9	100	0.00
38 TMP	cis-1,3-Dichloropropene	100.000	93.248	6.8	100	0.00
39 I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40 TMP	Toluene	100.000	91.061	8.9	100	0.01
41 TMP	trans-1,3-Dichloropropene	100.000	91.337	8.7	100	0.00
42 TMP	1,1,2-Trichloroethane	100.000	96.038	4.0	100	0.00
43 TMP	2-Hexanone	500.000	421.886	15.6	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110331.D
 Acq On : 03 Nov 2022 06:16 pm
 Operator : LM
 Sample : 100 ppb 8260 ICAL 67-177S
 Misc : soil/water
 ALS Vial : 21 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 14:09:20 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 14:08:49 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	100.000	88.173	11.8	100	0.00
45 TMP Tetrachloroethene	100.000	98.468	1.5	100	0.00
46 TMP Dibromochloromethane	100.000	93.780	6.2	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	100.000	86.041	14.0	100	0.00
48 TMP Chlorobenzene	100.000	93.417	6.6	100	0.00
49 TMP Ethylbenzene	100.000	91.273	8.7	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	100.000	99.770	0.2	100	0.00
51 TMP m,p-Xylene	200.000	183.945	8.0	100	0.00
52 TMP o-Xylene	100.000	96.073	3.9	100	0.00
53 TMP Styrene	100.000	98.171	1.8	100	0.00
54 TMP Isopropylbenzene	100.000	101.609	-1.6	100	0.00
55 TMP Bromoform	100.000	93.274	6.7	100	0.00
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	10.000	9.714	2.9	100	0.00
58 TMP n-Propylbenzene	100.000	97.450	2.5	100	0.00
59 TMP Bromobenzene	100.000	92.281	7.7	100	0.00
60 TMP 1,3,5-Trimethylbenzene	100.000	101.344	-1.3	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	100.000	91.910	8.1	100	0.00
62 TMP 1,2,3-Trichloropropane	100.000	86.349	13.7	100	0.00
63 TMP 2-Chlorotoluene	100.000	94.463	5.5	100	0.00
64 TMP 4-Chlorotoluene	100.000	96.545	3.5	100	0.00
65 TMP tert-Butylbenzene	100.000	106.125	-6.1	100	0.00
66 TMP 1,2,4-Trimethylbenzene	100.000	102.459	-2.5	100	0.00
67 TMP sec-Butylbenzene	100.000	104.939	-4.9	100	0.00
68 TMP p-Isopropyltoluene	100.000	105.819	-5.8	100	0.00
69 TMP 1,3-Dichlorobenzene	100.000	94.327	5.7	100	0.00
70 TMP 1,4-Dichlorobenzene	100.000	95.618	4.4	100	0.00
71 TMP 1,2-Dichlorobenzene	100.000	96.042	4.0	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	100.000	98.164	1.8	100	0.00
73 TMP 1,2,4-Trichlorobenzene	100.000	106.796	-6.8	100	0.00
74 TMP Hexachlorobutadiene	100.000	99.839	0.2	100	0.00
75 TMP Naphthalene	100.000	112.179	-12.2	100	0.00
76 TMP 1,2,3-Trichlorobenzene	100.000	107.533	-7.5	100	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110331.D
 Acq On : 03 Nov 2022 06:16 pm
 Operator : LM
 Sample : 100 ppb 8260 ICAL 67-1775
 Misc : soil/water
 ALS Vial : 21 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 14:09:20 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 14:08:49 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2 TMP	Ethanol	0.000	0.000#	0.0	#	-1.86#
3 S	Dibromofluoromethane	0.283	0.285	-0.7	100	0.00
4 TMP	Dichlorodifluoromethane	0.771	0.806	-4.5	100	0.00
5 TMP	Chloromethane	0.937	0.904	3.5	100	0.02
6 TMP	Vinyl chloride	0.838	0.831	0.8	100	0.02
7 TMP	Bromomethane	0.490	0.483	1.4	100	0.00
8 TMP	Chloroethane	0.420	0.408	2.9	100	0.00
9 TMP	Trichlorofluoromethane	0.910	0.883	3.0	100	0.02
10 TMP	2-Propanol	0.000	0.000	0.0	#	-0.04
11 TMP	Acetone	0.046	0.046	0.0	100	0.00
12 TMP	1,1-Dichloroethene	0.262	0.250	4.6	100	0.02
13 TMP	Hexane	0.408	0.410	-0.5	100	0.00
14 TMP	Methylene chloride	0.307	0.276	10.1	100	0.02
15 TMP	t-Butyl alcohol (TBA)	0.034	0.033	2.9	100	0.00
16 TMP	Methyl t-butyl ether (MTBE)	0.698	0.687	1.6	100	0.00
17 TMP	trans-1,2-Dichloroethene	0.296	0.277	6.4	100	0.02
18 TMP	Diisopropyl ether (DIPE)	0.862	0.829	3.8	100	0.00
19 TMP	1,1-Dichloroethane	0.527	0.502	4.7	100	0.02
20 TMP	Ethyl t-butyl ether (ETBE)	0.290	0.288	0.7	100	0.00
21 TMP	2,2-Dichloropropane	0.356	0.363	-2.0	100	0.00
22 TMP	cis-1,2-Dichloroethene	0.316	0.299	5.4	100	0.00
23 TMP	Chloroform	0.496	0.451	9.1	100	0.00
24 TMP	2-Butanone (MEK)	0.170	0.160	5.9	100	0.00
25 TMP	t-Amyl methyl ether (TAME)	0.673	0.661	1.8	100	0.00
26 TMP	1,2-Dichloroethane (EDC)	0.375	0.341	9.1	100	0.00
27 TMP	1,1,1-Trichloroethane	0.428	0.417	2.6	100	0.00
28 TMP	1,1-Dichloropropene	0.346	0.344	0.6	100	0.00
29 TMP	Carbon tetrachloride	0.372	0.361	3.0	100	0.00
30 S	1,2-Dichloroethane-d4	0.063	0.058	7.9	100	0.00
31 TMP	Benzene	1.078	0.987	8.4	100	0.00
32 TMP	Trichloroethene	0.311	0.286	8.0	100	0.00
33 TMP	1,2-Dichloropropane	0.266	0.248	6.8	100	0.00
34 TMP	Bromodichloromethane	0.319	0.309	3.1	100	0.00
35 S	Toluene-d8	0.888	0.895	-0.8	100	0.00
36 TMP	Dibromomethane	0.162	0.154	4.9	100	0.00
37 TMP	4-Methyl-2-pentanone	0.045	0.044	2.2	100	0.00
38 TMP	cis-1,3-Dichloropropene	0.364	0.339	6.9	100	0.00
39 I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40 TMP	Toluene	0.869	0.791	9.0	100	0.01
41 TMP	trans-1,3-Dichloropropene	0.405	0.370	8.6	100	0.00
42 TMP	1,1,2-Trichloroethane	0.260	0.224	13.8	100	0.00
43 TMP	2-Hexanone	0.268	0.226	15.7	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110331.D
 Acq On : 03 Nov 2022 06:16 pm
 Operator : LM
 Sample : 100 ppb 8260 ICAL 67-177S
 Misc : soil/water
 ALS Vial : 21 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 14:09:20 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 14:08:49 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.430	0.379	11.9	100	0.00
45 TMP Tetrachloroethene	0.406	0.332	18.2	100	0.00
46 TMP Dibromochloromethane	0.344	0.323	6.1	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	0.317	0.273	13.9	100	0.00
48 TMP Chlorobenzene	0.922	0.861	6.6	100	0.00
49 TMP Ethylbenzene	1.605	1.465	8.7	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.356	0.355	0.3	100	0.00
51 TMP m,p-Xylene	0.626	0.576	8.0	100	0.00
52 TMP o-Xylene	0.622	0.598	3.9	100	0.00
53 TMP Styrene	0.907	0.890	1.9	100	0.00
54 TMP Isopropylbenzene	1.561	1.586	-1.6	100	0.00
55 TMP Bromoform	0.258	0.240	7.0	100	0.00
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	0.748	0.726	2.9	100	0.00
58 TMP n-Propylbenzene	3.027	2.950	2.5	100	0.00
59 TMP Bromobenzene	0.740	0.683	7.7	100	0.00
60 TMP 1,3,5-Trimethylbenzene	2.224	2.254	-1.3	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.717	0.659	8.1	100	0.00
62 TMP 1,2,3-Trichloropropane	0.549	0.474#	13.7	100	0.00
63 TMP 2-Chlorotoluene	1.828	1.727	5.5	100	0.00
64 TMP 4-Chlorotoluene	1.994	1.926	3.4	100	0.00
65 TMP tert-Butylbenzene	1.953	2.072	-6.1	100	0.00
66 TMP 1,2,4-Trimethylbenzene	2.250	2.305	-2.4	100	0.00
67 TMP sec-Butylbenzene	2.892	3.034	-4.9	100	0.00
68 TMP p-Isopropyltoluene	2.502	2.647	-5.8	100	0.00
69 TMP 1,3-Dichlorobenzene	1.434	1.353	5.6	100	0.00
70 TMP 1,4-Dichlorobenzene	1.430	1.367	4.4	100	0.00
71 TMP 1,2-Dichlorobenzene	1.428	1.372	3.9	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	0.145	0.143	1.4	100	0.00
73 TMP 1,2,4-Trichlorobenzene	1.063	1.135	-6.8	100	0.00
74 TMP Hexachlorobutadiene	0.623	0.622	0.2	100	0.00
75 TMP Naphthalene	2.362	2.650	-12.2	100	0.00
76 TMP 1,2,3-Trichlorobenzene	0.987	1.061	-7.5	100	0.00

(#) = Out of Range

SPCC's out = 2 CCC's out = 0

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110332.D
 Acq On : 03 Nov 2022 06:38 pm
 Operator : LM
 Sample : 150 ppb 8260 ICAL 67-177T
 Misc : soil/water
 ALS Vial : 22 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 14:09:22 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 14:08:49 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	4.63	96	58941	10.000	ppb	0.00
39) Chlorobenzene-d5	7.27	117	44229	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	25485	10.000	ppb	0.00

System Monitoring Compounds						
3) Dibromofluoromethane	4.08	113	15675	9.392	ppb	0.00
Spiked Amount	10.000	Range 50 - 150	Recovery =	93.90%		
30) 1,2-Dichloroethane-d4	4.36	102	3446	9.279	ppb	0.00
Spiked Amount	10.000	Range 79 - 128	Recovery =	92.80%		
35) Toluene-d8	5.98	98	53919	10.305	ppb	0.00
Spiked Amount	10.000	Range 84 - 121	Recovery =	103.10%		
57) 4-Bromofluorobenzene	8.38	95	18999	9.969	ppb	0.00
Spiked Amount	10.000	Range 84 - 116	Recovery =	99.70%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Ethanol	0.00		0	N.D.		
4) Dichlorodifluoromethane	1.09	85	619964	136.370	ppb	98
5) Chloromethane	1.23	50	698100	126.398	ppb	97
6] Vinyl chloride	1.30	62	647744	131.140	ppb	95
7) Bromomethane	1.53	94	377489	130.572	ppb	92
8] Chloroethane	1.60	64	318796	128.637	ppb	97
9) Trichlorofluoromethane	1.77	101	698291	130.127	ppb	93
10) 2-Propanol	2.40	45	239	No Calib		
11) Acetone	2.26	58	180022	663.291	ppb	86
12] 1,1-Dichloroethene	2.20	96	200014	129.471	ppb	90
13) Hexane	3.05	57	331631	137.926	ppb	99
14) Methylene chloride	2.61	84	218413	137.352	ppb	95
15) t-Butyl alcohol (TBA)	2.73	59	136497	682.862	ppb	100
16] Methyl t-butyl ether (...)	2.84	73	545356	132.569	ppb	97
17] trans-1,2-Dichloroethene	2.83	96	218208	124.939	ppb	87
18) Diisopropyl ether (DIPE)	3.24	45	657174	129.392	ppb	98
19] 1,1-Dichloroethane	3.18	63	394689	127.162	ppb	95
20) Ethyl t-butyl ether (E...)	3.55	87	227940	133.336	ppb	97
21) 2,2-Dichloropropane	3.67	77	261418	124.452	ppb	100
22] cis-1,2-Dichloroethene	3.67	96	235614	126.693	ppb	88
23) Chloroform	3.95	83	360889	123.323	ppb	100
24) 2-Butanone (MEK)	3.70	43	670378	667.472	ppb	98
25) t-Amyl methyl ether (T...)	4.49	73	519446	131.015	ppb	99
26] 1,2-Dichloroethane (EDC)	4.42	62	276873	125.312	ppb	96
27] 1,1,1-Trichloroethane	4.08	97	331311	131.298	ppb	93
28) 1,1-Dichloropropene	4.22	75	279335	136.779	ppb	98
29) Carbon tetrachloride	4.22	117	290642	132.539	ppb	97
31] Benzene	4.39	78	806259	138.602	ppb	98
32] Trichloroethene	4.93	95	235630	128.550	ppb	85
33) 1,2-Dichloropropane	5.13	63	207793	132.370	ppb	99
34) Bromodichloromethane	5.37	83	260565	138.524	ppb	93
36) Dibromomethane	5.23	93	128906	134.789	ppb	99

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110332.D
 Acq On : 03 Nov 2022 06:38 pm
 Operator : LM
 Sample : 150 ppb 8260 ICAL 67-177T
 Misc : soil/water
 ALS Vial : 22 Sample Multiplier: 1
 InstName : GCMS11

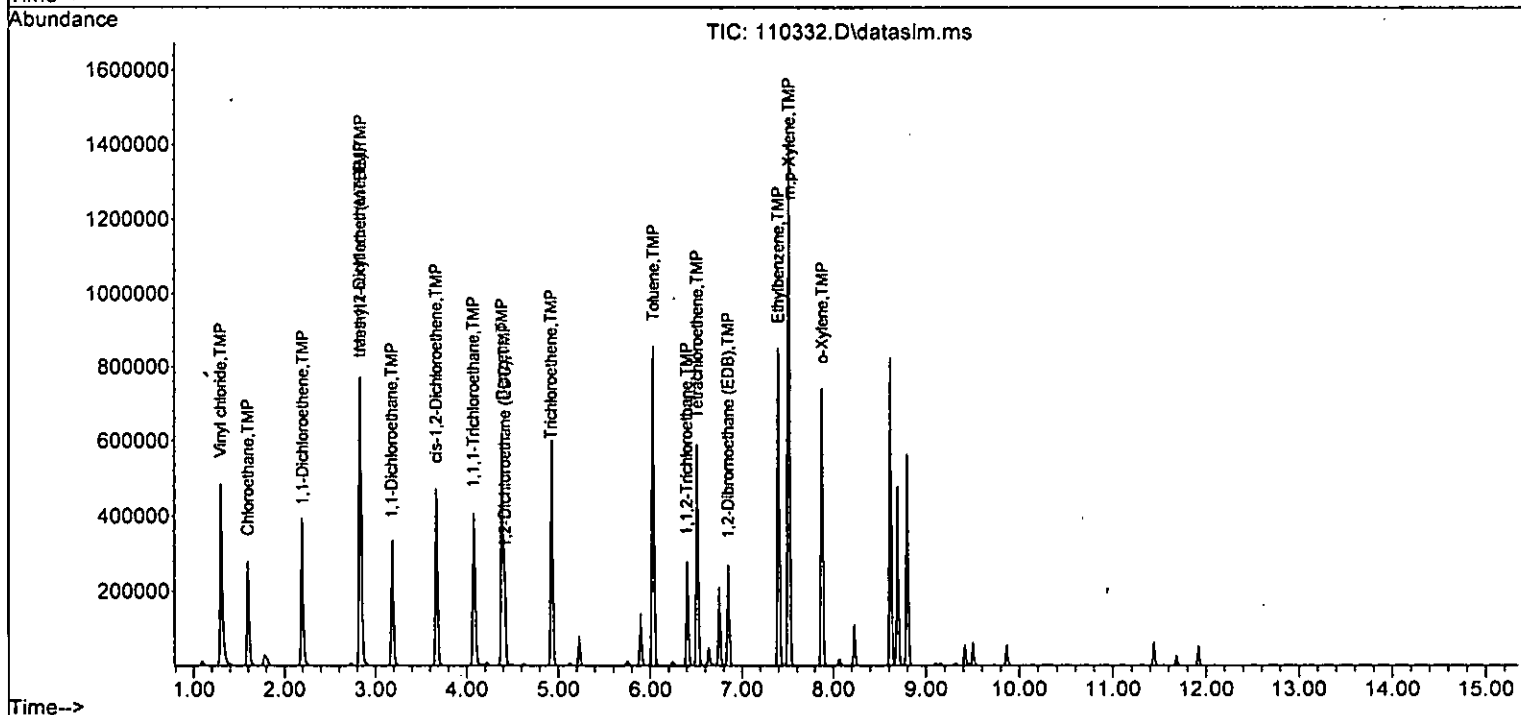
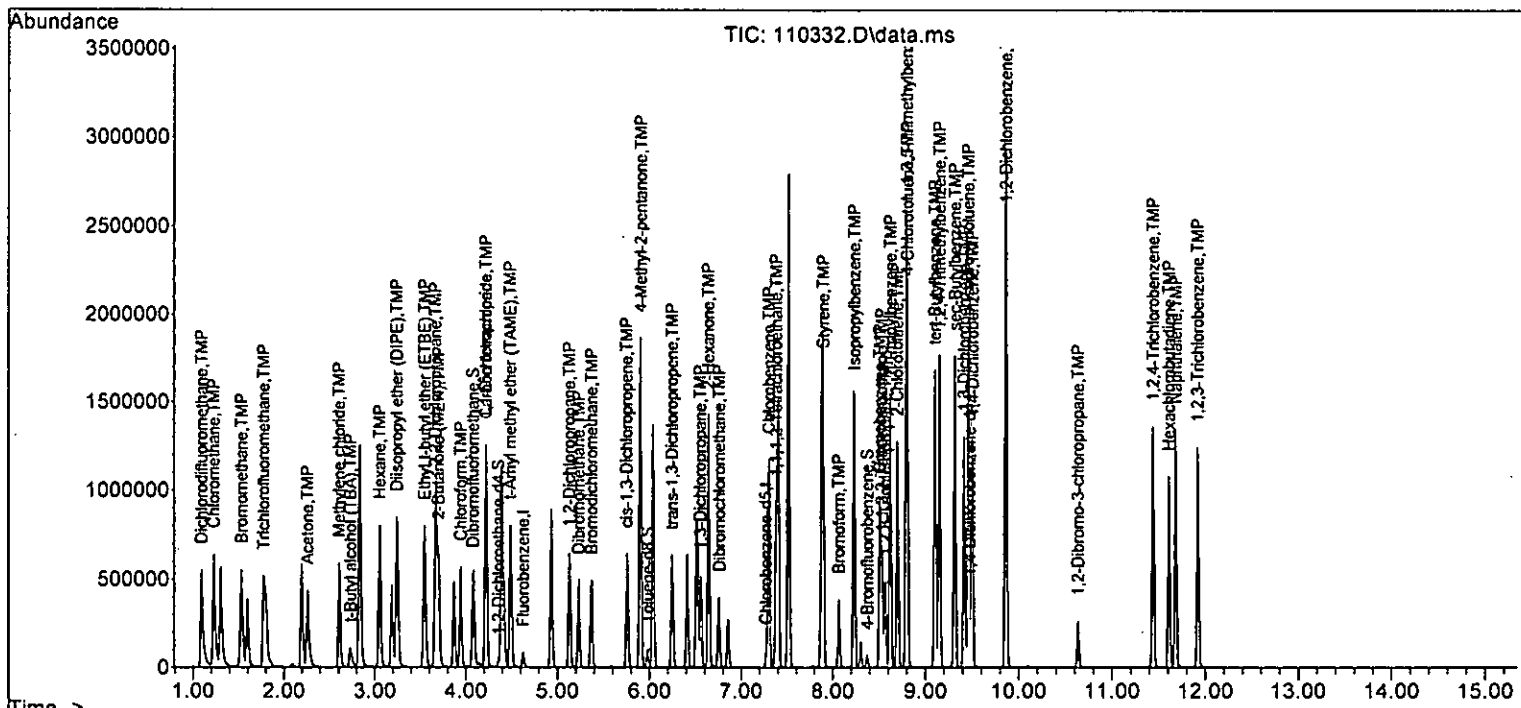
Quant Time: Nov 07 14:09:22 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 14:08:49 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	5.91	85	184909	692.318	ppb	92
38) cis-1,3-Dichloropropene	5.75	75	307796	143.626	ppb	99
40] Toluene	6.04	92	497180	129.372	ppb	98
41) trans-1,3-Dichloropropene	6.25	75	257935	143.830	ppb	98
42] 1,1,2-Trichloroethane	6.40	83	145595	141.638	ppb	94
43) 2-Hexanone	6.64	43	739776	624.127	ppb	96
44) 1,3-Dichloropropane	6.55	76	255049	134.149	ppb	99
45] Tetrachloroethene	6.51	164	208826	141.487	ppb	97
46) Dibromochloromethane	6.76	129	206586	135.747	ppb	93
47] 1,2-Dibromoethane (EDB)	6.85	107	183615	131.035	ppb	98
48) Chlorobenzene	7.30	112	558831	137.021	ppb	98
49] Ethylbenzene	7.40	91	914864	128.879	ppb	89
50) 1,1,1,2-Tetrachloroethane	7.38	131	213004	135.376	ppb	98
51] m,p-Xylene	7.52	106	722754	260.978	ppb	94
52] o-Xylene	7.88	106	365550	132.824	ppb	93
53) Styrene	7.90	104	575305	143.454	ppb	96
54) Isopropylbenzene	8.23	105	962810	139.447	ppb	99
55) Bromoform	8.07	173	156861	137.595	ppb	98
58) n-Propylbenzene	8.63	91	1075504	139.400	ppb	99
59) Bromobenzene	8.51	156	258727	137.140	ppb	96
60) 1,3,5-Trimethylbenzene	8.80	105	809643	142.860	ppb	95
61) 1,1,2,2-Tetrachloroethane	8.53	83	239049	130.820	ppb	99
62) 1,2,3-Trichloropropane	8.57	75	173919	124.208	ppb	97
63) 2-Chlorotoluene	8.70	91	626465	134.471	ppb	99
64) 4-Chlorotoluene	8.81	91	709853	139.656	ppb	97
65) tert-Butylbenzene	9.10	119	749027	150.511	ppb	99
66) 1,2,4-Trimethylbenzene	9.15	105	835656	145.756	ppb	99
67) sec-Butylbenzene	9.32	105	1097621	148.949	ppb	100
68) p-Isopropyltoluene	9.46	119	950926	149.144	ppb	98
69) 1,3-Dichlorobenzene	9.42	146	492113	134.663	ppb	99
70) 1,4-Dichlorobenzene	9.51	146	490401	134.563	ppb	98
71) 1,2-Dichlorobenzene	9.86	146	482763	132.614	ppb	97
72) 1,2-Dibromo-3-chloropr...	10.63	75	49831	134.514	ppb	86
73) 1,2,4-Trichlorobenzene	11.44	180	398165	146.985	ppb	97
74) Hexachlorobutadiene	11.61	225	218179	137.422	ppb	99
75) Naphthalene	11.68	128	927709	154.095	ppb	99
76) 1,2,3-Trichlorobenzene	11.92	180	371746	147.774	ppb	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110332.D
 Acq On : 03 Nov 2022 06:38 pm
 Operator : LM
 Sample : 150 ppb 8260 ICAL 67-177T
 Misc : soil/water
 ALS Vial : 22 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 14:09:22 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 14:08:49 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M



Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110332.D
 Acq On : 03 Nov 2022 06:38 pm
 Operator : LM
 Sample : 150 ppb 8260 ICAL 67-177T
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 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 14:08:49 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I Fluorobenzene	10.000	10.000	0.0	100	0.00
2 TMP Ethanol	-1.000	0.000	0.0	0	-1.86#
3 S Dibromofluoromethane	10.000	9.392	6.1	100	0.00
4 TMP Dichlorodifluoromethane	150.000	136.370	9.1	100	0.00
5 TMP Chloromethane	150.000	126.398	15.7	100	0.00
6 TMP Vinyl chloride	150.000	131.140	12.6	100	0.00
7 TMP Bromomethane	150.000	130.572	13.0	100	0.00
8 TMP Chloroethane	150.000	128.637	14.2	100	0.00
9 TMP Trichlorofluoromethane	150.000	130.127	13.2	100	0.00
10 TMP 2-Propanol	-1.000	0.000	0.0	0	-0.03
11 TMP Acetone	750.000	663.291	11.6	100	0.00
12 TMP 1,1-Dichloroethene	150.000	129.471	13.7	100	0.02
13 TMP Hexane	150.000	137.926	8.0	100	0.00
14 TMP Methylene chloride	150.000	137.352	8.4	100	0.00
15 TMP t-Butyl alcohol (TBA)	750.000	682.862	9.0	100	0.00
16 TMP Methyl t-butyl ether (MTBE)	150.000	132.569	11.6	100	0.00
17 TMP trans-1,2-Dichloroethene	150.000	124.939	16.7	100	0.00
18 TMP Diisopropyl ether (DIPE)	150.000	129.392	13.7	100	0.00
19 TMP 1,1-Dichloroethane	150.000	127.162	15.2	100	0.00
20 TMP Ethyl t-butyl ether (ETBE)	150.000	133.336	11.1	100	0.00
21 TMP 2,2-Dichloropropane	150.000	124.452	17.0	100	0.00
22 TMP cis-1,2-Dichloroethene	150.000	126.693	15.5	100	0.00
23 TMP Chloroform	150.000	123.323	17.8	100	0.00
24 TMP 2-Butanone (MEK)	750.000	667.472	11.0	100	0.00
25 TMP t-Amyl methyl ether (TAME)	150.000	131.015	12.7	100	0.00
26 TMP 1,2-Dichloroethane (EDC)	150.000	125.312	16.5	100	0.00
27 TMP 1,1,1-Trichloroethane	150.000	131.298	12.5	100	0.00
28 TMP 1,1-Dichloropropene	150.000	136.779	8.8	100	0.00
29 TMP Carbon tetrachloride	150.000	132.539	11.6	100	0.00
30 S 1,2-Dichloroethane-d4	10.000	9.279	7.2	100	0.00
31 TMP Benzene	150.000	138.602	7.6	100	0.00
32 TMP Trichloroethene	150.000	128.550	14.3	100	0.00
33 TMP 1,2-Dichloropropane	150.000	132.370	11.8	100	0.00
34 TMP Bromodichloromethane	150.000	138.524	7.7	100	0.00
35 S Toluene-d8	10.000	10.305	-3.0	100	0.00
36 TMP Dibromomethane	150.000	134.789	10.1	100	0.00
37 TMP 4-Methyl-2-pentanone	750.000	692.318	7.7	100	0.00
38 TMP cis-1,3-Dichloropropene	150.000	143.626	4.2	100	0.00
39 I Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40 TMP Toluene	150.000	129.372	13.8	100	0.01
41 TMP trans-1,3-Dichloropropene	150.000	143.830	4.1	100	0.00
42 TMP 1,1,2-Trichloroethane	150.000	141.638	5.6	100	0.00
43 TMP 2-Hexanone	750.000	624.127	16.8	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110332.D
 Acq On : 03 Nov 2022 06:38 pm
 Operator : LM
 Sample : 150 ppb 8260 ICAL 67-177T
 Misc : soil/water
 ALS Vial : 22 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 14:09:22 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 14:08:49 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	150.000	134.149	10.6	100	0.00
45 TMP Tetrachloroethene	150.000	141.487	5.7	100	0.00
46 TMP Dibromochloromethane	150.000	135.747	9.5	100	0.01
47 TMP 1,2-Dibromoethane (EDB)	150.000	131.035	12.6	100	0.00
48 TMP Chlorobenzene	150.000	137.021	8.7	100	0.00
49 TMP Ethylbenzene	150.000	128.879	14.1	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	150.000	135.376	9.7	100	0.00
51 TMP m,p-Xylene	300.000	260.978	13.0	100	0.00
52 TMP o-Xylene	150.000	132.824	11.5	100	0.00
53 TMP Styrene	150.000	143.454	4.4	100	0.00
54 TMP Isopropylbenzene	150.000	139.447	7.0	100	0.00
55 TMP Bromoform	150.000	137.595	8.3	100	0.00
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	10.000	9.969	0.3	100	0.00
58 TMP n-Propylbenzene	150.000	139.400	7.1	100	0.00
59 TMP Bromobenzene	150.000	137.140	8.6	100	0.00
60 TMP 1,3,5-Trimethylbenzene	150.000	142.860	4.8	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	150.000	130.820	12.8	100	0.00
62 TMP 1,2,3-Trichloropropane	150.000	124.208	17.2	100	0.00
63 TMP 2-Chlorotoluene	150.000	134.471	10.4	100	0.00
64 TMP 4-Chlorotoluene	150.000	139.656	6.9	100	0.00
65 TMP tert-Butylbenzene	150.000	150.511	-0.3	100	0.00
66 TMP 1,2,4-Trimethylbenzene	150.000	145.756	2.8	100	0.00
67 TMP sec-Butylbenzene	150.000	148.949	0.7	100	0.00
68 TMP p-Isopropyltoluene	150.000	149.144	0.6	100	0.00
69 TMP 1,3-Dichlorobenzene	150.000	134.663	10.2	100	0.00
70 TMP 1,4-Dichlorobenzene	150.000	134.563	10.3	100	0.00
71 TMP 1,2-Dichlorobenzene	150.000	132.614	11.6	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	150.000	134.514	10.3	100	0.00
73 TMP 1,2,4-Trichlorobenzene	150.000	146.985	2.0	100	0.00
74 TMP Hexachlorobutadiene	150.000	137.422	8.4	100	0.00
75 TMP Naphthalene	150.000	154.095	-2.7	100	0.00
76 TMP 1,2,3-Trichlorobenzene	150.000	147.774	1.5	100	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110332.D
 Acq On : 03 Nov 2022 06:38 pm
 Operator : LM
 Sample : 150 ppb 8260 ICAL 67-177T
 Misc : soil/water
 ALS Vial : 22 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 14:09:22 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 14:08:49 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2 TMP	Ethanol	0.000	0.000#	0.0	0#	-1.86#
3 S	Dibromofluoromethane	0.283	0.266	6.0	100	0.00
4 TMP	Dichlorodifluoromethane	0.771	0.701	9.1	100	0.00
5 TMP	Chloromethane	0.937	0.790	15.7	100	0.00
6 TMP	Vinyl chloride	0.838	0.733	12.5	100	0.00
7 TMP	Bromomethane	0.490	0.427	12.9	100	0.00
8 TMP	Chloroethane	0.420	0.361	14.0	100	0.00
9 TMP	Trichlorofluoromethane	0.910	0.790	13.2	100	0.00
10 TMP	2-Propanol	0.000	0.000	0.0	0#	-0.03
11 TMP	Acetone	0.046	0.041	10.9	100	0.00
12 TMP	1,1-Dichloroethene	0.262	0.226	13.7	100	0.02
13 TMP	Hexane	0.408	0.375	8.1	100	0.00
14 TMP	Methylene chloride	0.307	0.247	19.5	100	0.00
15 TMP	t-Butyl alcohol (TBA)	0.034	0.031	8.8	100	0.00
16 TMP	Methyl t-butyl ether (MTBE)	0.698	0.617	11.6	100	0.00
17 TMP	trans-1,2-Dichloroethene	0.296	0.247	16.6	100	0.00
18 TMP	Diisopropyl ether (DIPE)	0.862	0.743	13.8	100	0.00
19 TMP	1,1-Dichloroethane	0.527	0.446	15.4	100	0.00
20 TMP	Ethyl t-butyl ether (ETBE)	0.290	0.258	11.0	100	0.00
21 TMP	2,2-Dichloropropane	0.356	0.296	16.9	100	0.00
22 TMP	cis-1,2-Dichloroethene	0.316	0.266	15.8	100	0.00
23 TMP	Chloroform	0.496	0.408	17.7	100	0.00
24 TMP	2-Butanone (MEK)	0.170	0.152	10.6	100	0.00
25 TMP	t-Amyl methyl ether (TAME)	0.673	0.588	12.6	100	0.00
26 TMP	1,2-Dichloroethane (EDC)	0.375	0.313	16.5	100	0.00
27 TMP	1,1,1-Trichloroethane	0.428	0.375	12.4	100	0.00
28 TMP	1,1-Dichloropropene	0.346	0.316	8.7	100	0.00
29 TMP	Carbon tetrachloride	0.372	0.329	11.6	100	0.00
30 S	1,2-Dichloroethane-d4	0.063	0.058	7.9	100	0.00
31 TMP	Benzene	1.078	0.912	15.4	100	0.00
32 TMP	Trichloroethene	0.311	0.267	14.1	100	0.00
33 TMP	1,2-Dichloropropane	0.266	0.235	11.7	100	0.00
34 TMP	Bromodichloromethane	0.319	0.295	7.5	100	0.00
35 S	Toluene-d8	0.888	0.915	-3.0	100	0.00
36 TMP	Dibromomethane	0.162	0.146	9.9	100	0.00
37 TMP	4-Methyl-2-pentanone	0.045	0.042	6.7	100	0.00
38 TMP	cis-1,3-Dichloropropene	0.364	0.348	4.4	100	0.00
39 I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40 TMP	Toluene	0.869	0.749	13.8	100	0.01
41 TMP	trans-1,3-Dichloropropene	0.405	0.389	4.0	100	0.00
42 TMP	1,1,2-Trichloroethane	0.260	0.219	15.8	100	0.00
43 TMP	2-Hexanone	0.268	0.223	16.8	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110332.D
 Acq On : 03 Nov 2022 06:38 pm
 Operator : LM
 Sample : 150 ppb 8260 ICAL 67-177T
 Misc : soil/water
 ALS Vial : 22 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 14:09:22 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 14:08:49 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.430	0.384	10.7	100	0.00
45 TMP Tetrachloroethene	0.406	0.315	22.4#	100	0.00
46 TMP Dibromochloromethane	0.344	0.311	9.6	100	0.01
47 TMP 1,2-Dibromoethane (EDB)	0.317	0.277	12.6	100	0.00
48 TMP Chlorobenzene	0.922	0.842	8.7	100	0.00
49 TMP Ethylbenzene	1.605	1.379	14.1	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.356	0.321	9.8	100	0.00
51 TMP m,p-Xylene	0.626	0.545	12.9	100	0.00
52 TMP o-Xylene	0.622	0.551	11.4	100	0.00
53 TMP Styrene	0.907	0.867	4.4	100	0.00
54 TMP Isopropylbenzene	1.561	1.451	7.0	100	0.00
55 TMP Bromoform	0.258	0.236	8.5	100	0.00
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	0.748	0.745	0.4	100	0.00
58 TMP n-Propylbenzene	3.027	2.813	7.1	100	0.00
59 TMP Bromobenzene	0.740	0.677	8.5	100	0.00
60 TMP 1,3,5-Trimethylbenzene	2.224	2.118	4.8	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.717	0.625	12.8	100	0.00
62 TMP 1,2,3-Trichloropropane	0.549	0.455#	17.1	100	0.00
63 TMP 2-Chlorotoluene	1.828	1.639	10.3	100	0.00
64 TMP 4-Chlorotoluene	1.994	1.857	6.9	100	0.00
65 TMP tert-Butylbenzene	1.953	1.959	-0.3	100	0.00
66 TMP 1,2,4-Trimethylbenzene	2.250	2.186	2.8	100	0.00
67 TMP sec-Butylbenzene	2.892	2.871	0.7	100	0.00
68 TMP p-Isopropyltoluene	2.502	2.488	0.6	100	0.00
69 TMP 1,3-Dichlorobenzene	1.434	1.287	10.3	100	0.00
70 TMP 1,4-Dichlorobenzene	1.430	1.283	10.3	100	0.00
71 TMP 1,2-Dichlorobenzene	1.428	1.263	11.6	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	0.145	0.130	10.3	100	0.00
73 TMP 1,2,4-Trichlorobenzene	1.063	1.042	2.0	100	0.00
74 TMP Hexachlorobutadiene	0.623	0.571	8.3	100	0.00
75 TMP Naphthalene	2.362	2.427	-2.8	100	0.00
76 TMP 1,2,3-Trichlorobenzene	0.987	0.972	1.5	100	0.00

(#) = Out of Range

SPCC's out = 2 CCC's out = 0

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110333.D
 Acq On : 03 Nov 2022 07:01 pm
 Operator : LM
 Sample : 200 ppb 8260 ICAL 67-177U
 Misc : soil/water
 ALS Vial : 23 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 14:09:24 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 14:08:49 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	4.63	96	58470	10.000	ppb	0.00
39) Chlorobenzene-d5	7.27	117	44224	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	25881	10.000	ppb	# 0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.08	113	15792	9.538	ppb	0.00
Spiked Amount	10.000	Range 50 - 150	Recovery	=	95.40%	
30) 1,2-Dichloroethane-d4	4.36	102	3460	9.392	ppb	0.00
Spiked Amount	10.000	Range 79 - 128	Recovery	=	93.90%	
35) Toluene-d8	5.98	98	52614	10.137	ppb	0.00
Spiked Amount	10.000	Range 84 - 121	Recovery	=	101.40%	
57) 4-Bromofluorobenzene	8.38	95	19168	9.904	ppb	0.00
Spiked Amount	10.000	Range 84 - 116	Recovery	=	99.00%	
Target Compounds						
2) Ethanol	0.00		0	N.D.		Qvalue
4) Dichlorodifluoromethane	1.09	85	923534	204.781	ppb	97
5) Chloromethane	1.23	50	1044370	190.617	ppb	96
6] Vinyl chloride	1.30	62	952961	194.487	ppb	94
7) Bromomethane	1.53	94	557878	194.522	ppb	91
8] Chloroethane	1.60	64	467414	190.125	ppb	97
9) Trichlorofluoromethane	1.78	101	1077496	202.410	ppb	94
10) 2-Propanol	2.40	45	441	No Calib		
11) Acetone	2.26	58	270195	1003.553	ppb	# 85
12] 1,1-Dichloroethene	2.20	96	295111	192.568	ppb	91
13) Hexane	3.05	57	471020	197.476	ppb	99
14) Methylene chloride	2.61	84	321874	208.320	ppb	96
15) t-Butyl alcohol (TBA)	2.73	59	209068	1054.343	ppb	96
16] Methyl t-butyl ether (...)	2.84	73	808001	197.996	ppb	97
17] trans-1,2-Dichloroethene	2.84	96	320406	184.933	ppb	97
18) Diisopropyl ether (DIPE)	3.24	45	1048411	208.087	ppb	98
19] 1,1-Dichloroethane	3.19	63	578913	188.018	ppb	98
20) Ethyl t-butyl ether (E...)	3.55	87	344792	203.315	ppb	94
21) 2,2-Dichloropropane	3.67	77	413186	198.289	ppb	98
22] cis-1,2-Dichloroethene	3.67	96	346805	187.984	ppb	88
23) Chloroform	3.95	83	535649	184.517	ppb	100
24) 2-Butanone (MEK)	3.70	43	1011306	1015.033	ppb	98
25) t-Amyl methyl ether (T...)	4.49	73	770594	195.925	ppb	98
26] 1,2-Dichloroethane (EDC)	4.42	62	406793	185.596	ppb	96
27] 1,1,1-Trichloroethane	4.08	97	488733	195.244	ppb	92
28) 1,1-Dichloropropene	4.22	75	414729	204.712	ppb	98
29) Carbon tetrachloride	4.22	117	434543	199.757	ppb	98
31] Benzene	4.39	78	1186111	208.349	ppb	99
32] Trichloroethene	4.93	95	348968	191.916	ppb	84
33) 1,2-Dichloropropane	5.13	63	309005	198.430	ppb	100
34) Bromodichloromethane	5.37	83	387888	207.873	ppb	94
36) Dibromomethane	5.23	93	188980	199.196	ppb	98

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110333.D
 Acq On : 03 Nov 2022 07:01 pm
 Operator : LM
 Sample : 200 ppb 8260 ICAL 67-177U
 Misc : soil/water
 ALS Vial : 23 Sample Multiplier: 1
 InstName : GCMS11

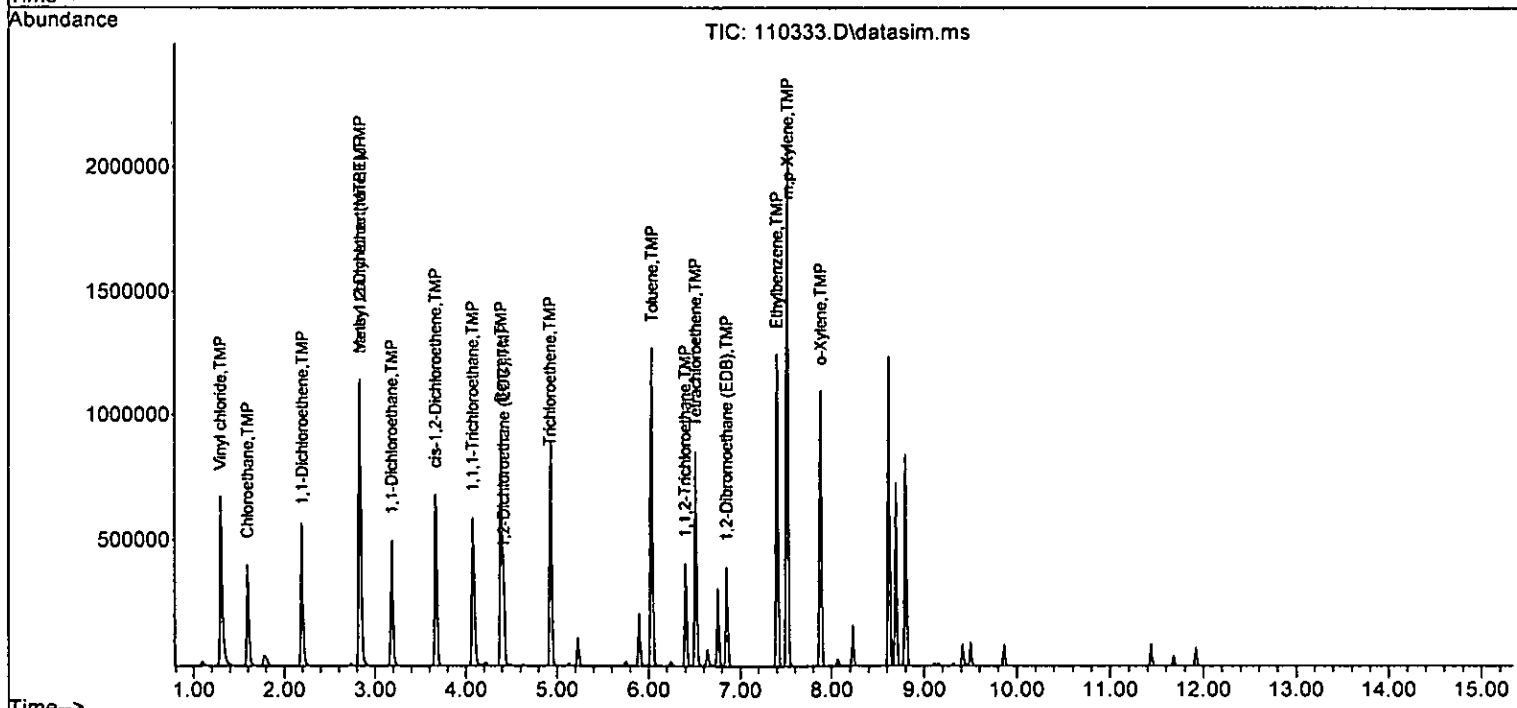
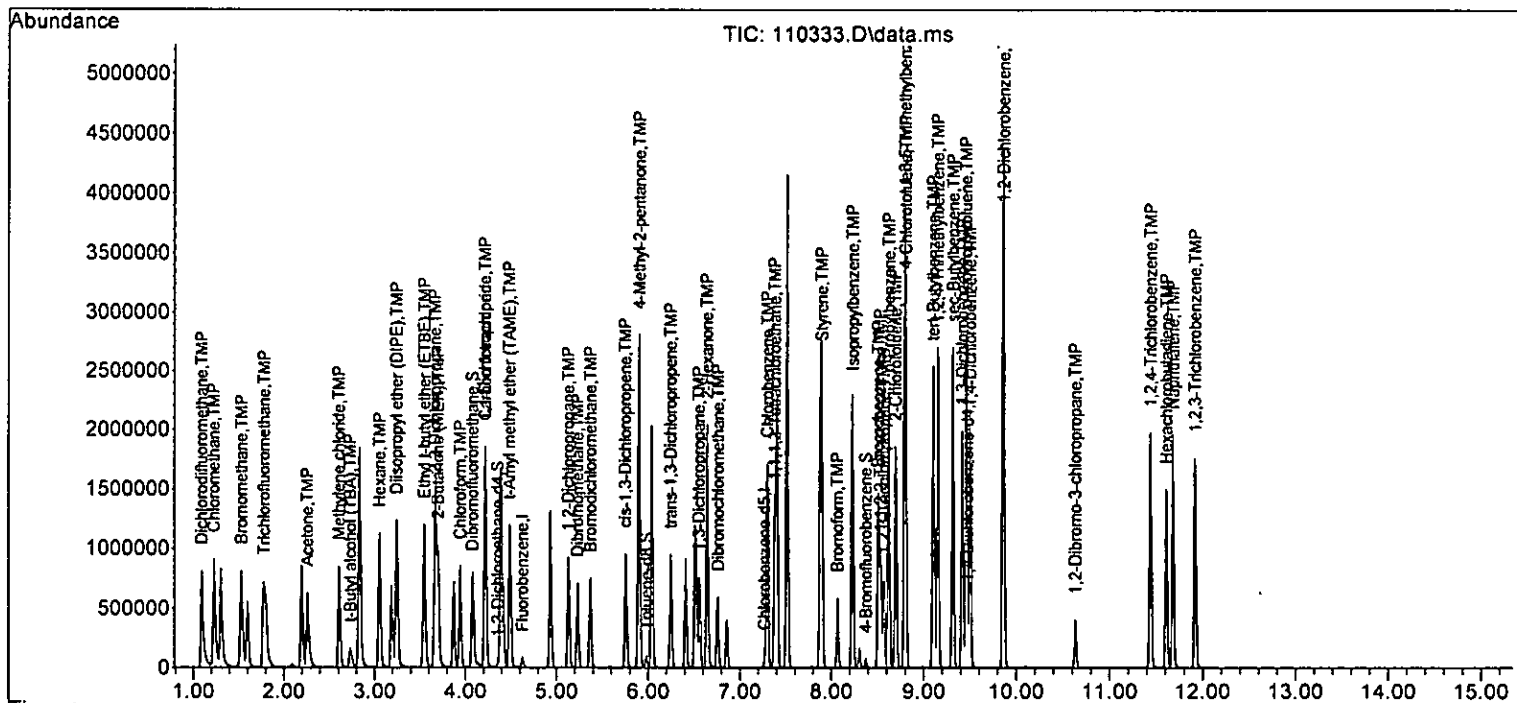
Quant Time: Nov 07 14:09:24 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 14:08:49 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	5.91	85	277914	1048.920	ppb	96
38) cis-1,3-Dichloropropene	5.75	75	459080	215.945	ppb	99
40) Toluene	6.04	92	730422	190.086	ppb	97
41) trans-1,3-Dichloropropene	6.25	75	378961	211.341	ppb	98
42] 1,1,2-Trichloroethane	6.40	83	211868	207.517	ppb	93
43) 2-Hexanone	6.64	43	1068086	901.214	ppb	95
44) 1,3-Dichloropropane	6.55	76	372968	196.193	ppb	99
45] Tetrachloroethene	6.51	164	300076	206.701	ppb	97
46) Dibromochloromethane	6.76	129	305857	201.000	ppb	94
47] 1,2-Dibromoethane (EDB)	6.85	107	263770	188.258	ppb	99
48) Chlorobenzene	7.30	112	826107	202.578	ppb	98
49] Ethylbenzene	7.40	91	1342698	189.170	ppb	90
50) 1,1,1,2-Tetrachloroethane	7.38	131	318504	202.450	ppb	99
51] m,p-Xylene	7.52	106	1062523	383.708	ppb	95
52] o-Xylene	7.88	106	541147	196.649	ppb	93
53) Styrene	7.90	104	853888	212.944	ppb	96
54) Isopropylbenzene	8.23	105	1436539	208.083	ppb	99
55) Bromoform	8.07	173	238515	209.244	ppb	100
58) n-Propylbenzene	8.63	91	1595566	203.642	ppb	99
59) Bromobenzene	8.51	156	389539	203.318	ppb	96
60) 1,3,5-Trimethylbenzene	8.80	105	1215827	211.247	ppb	95
61) 1,1,2,2-Tetrachloroethane	8.53	83	358176	193.013	ppb	99
62) 1,2,3-Trichloropropane	8.57	75	263136	185.049	ppb	97
63) 2-Chlorotoluene	8.70	91	939147	198.504	ppb	99
64) 4-Chlorotoluene	8.81	91	1070002	207.291	ppb	98
65) tert-Butylbenzene	9.10	119	1131352	223.858	ppb	99
66) 1,2,4-Trimethylbenzene	9.15	105	1257313	215.947	ppb	98
67) sec-Butylbenzene	9.32	105	1644991	219.812	ppb	99
68) p-Isopropyltoluene	9.46	119	1422152	219.638	ppb	97
69) 1,3-Dichlorobenzene	9.42	146	745257	200.813	ppb	100
70) 1,4-Dichlorobenzene	9.50	146	752250	203.255	ppb	97
71) 1,2-Dichlorobenzene	9.86	146	739850	200.125	ppb	98
72) 1,2-Dibromo-3-chloropr...	10.63	75	77825	206.867	ppb	85
73) 1,2,4-Trichlorobenzene	11.44	180	592582	215.408	ppb	96
74) Hexachlorobutadiene	11.61	225	310496	192.576	ppb	98
75) Naphthalene	11.68	128	1384919	226.519	ppb	99
76) 1,2,3-Trichlorobenzene	11.92	180	545488	213.521	ppb	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110333.D
 Acq On : 03 Nov 2022 07:01 pm
 Operator : LM
 Sample : 200 ppb 8260 ICAL 67-177U
 Misc : soil/water
 ALS Vial : 23 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 14:09:24 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 14:08:49 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M



Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110333.D
 Acq On : 03 Nov 2022 07:01 pm
 Operator : LM
 Sample : 200 ppb 8260 ICAL 67-177U
 Misc : soil/water
 ALS Vial : 23 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 14:09:24 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 14:08:49 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2 TMP	Ethanol	-1.000	0.000	0.0	0	-1.86#
3 S	Dibromofluoromethane	10.000	9.538	4.6	100	0.00
4 TMP	Dichlorodifluoromethane	200.000	204.781	-2.4	100	0.00
5 TMP	Chloromethane	200.000	190.617	4.7	100	0.00
6 TMP	Vinyl chloride	200.000	194.487	2.8	100	0.00
7 TMP	Bromomethane	200.000	194.522	2.7	100	0.00
8 TMP	Chloroethane	200.000	190.125	4.9	100	0.00
9 TMP	Trichlorofluoromethane	200.000	202.410	-1.2	100	0.02
10 TMP	2-Propanol	-1.000	0.000	0.0	0	-0.03
11 TMP	Acetone	1000.000	1003.553	-0.4	100	0.00
12 TMP	1,1-Dichloroethene	200.000	192.568	3.7	100	0.02
13 TMP	Hexane	200.000	197.476	1.3	100	0.00
14 TMP	Methylene chloride	200.000	208.320	-4.2	100	0.00
15 TMP	t-Butyl alcohol (TBA)	1000.000	1054.343	-5.4	100	0.00
16 TMP	Methyl t-butyl ether (MTBE)	200.000	197.996	1.0	100	0.00
17 TMP	trans-1,2-Dichloroethene	200.000	184.933	7.5	100	0.02
18 TMP	Diisopropyl ether (DIPE)	200.000	208.087	-4.0	100	0.00
19 TMP	1,1-Dichloroethane	200.000	188.018	6.0	100	0.02
20 TMP	Ethyl t-butyl ether (ETBE)	200.000	203.315	-1.7	100	0.00
21 TMP	2,2-Dichloropropane	200.000	198.289	0.9	100	0.00
22 TMP	cis-1,2-Dichloroethene	200.000	187.984	6.0	100	0.00
23 TMP	Chloroform	200.000	184.517	7.7	100	0.00
24 TMP	2-Butanone (MEK)	1000.000	1015.033	-1.5	100	0.00
25 TMP	t-Amyl methyl ether (TAME)	200.000	195.925	2.0	100	0.00
26 TMP	1,2-Dichloroethane (EDC)	200.000	185.596	7.2	100	0.00
27 TMP	1,1,1-Trichloroethane	200.000	195.244	2.4	100	0.00
28 TMP	1,1-Dichloropropene	200.000	204.712	-2.4	100	0.00
29 TMP	Carbon tetrachloride	200.000	199.757	0.1	100	0.00
30 S	1,2-Dichloroethane-d4	10.000	9.392	6.1	100	0.00
31 TMP	Benzene	200.000	208.349	-4.2	100	0.00
32 TMP	Trichloroethene	200.000	191.916	4.0	100	0.00
33 TMP	1,2-Dichloropropane	200.000	198.430	0.8	100	0.00
34 TMP	Bromodichloromethane	200.000	207.873	-3.9	100	0.00
35 S	Toluene-d8	10.000	10.137	-1.4	100	0.00
36 TMP	Dibromomethane	200.000	199.196	0.4	100	0.00
37 TMP	4-Methyl-2-pentanone	1000.000	1048.920	-4.9	100	0.00
38 TMP	cis-1,3-Dichloropropene	200.000	215.945	-8.0	100	0.00
39 I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40 TMP	Toluene	200.000	190.086	5.0	100	0.01
41 TMP	trans-1,3-Dichloropropene	200.000	211.341	-5.7	100	0.00
42 TMP	1,1,2-Trichloroethane	200.000	207.517	-3.8	100	0.00
43 TMP	2-Hexanone	1000.000	901.214	9.9	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110333.D
 Acq On : 03 Nov 2022 07:01 pm
 Operator : LM
 Sample : 200 ppb 8260 ICAL 67-177U
 Misc : soil/water
 ALS Vial : 23 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 14:09:24 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 14:08:49 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	200.000	196.193	1.9	100	0.00
45 TMP Tetrachloroethene	200.000	206.701	-3.4	100	0.00
46 TMP Dibromochloromethane	200.000	201.000	-0.5	100	0.01
47 TMP 1,2-Dibromoethane (EDB)	200.000	188.258	5.9	100	0.00
48 TMP Chlorobenzene	200.000	202.578	-1.3	100	0.00
49 TMP Ethylbenzene	200.000	189.170	5.4	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	200.000	202.450	-1.2	100	0.00
51 TMP m,p-Xylene	400.000	383.708	4.1	100	0.00
52 TMP o-Xylene	200.000	196.649	1.7	100	0.00
53 TMP Styrene	200.000	212.944	-6.5	100	0.00
54 TMP Isopropylbenzene	200.000	208.083	-4.0	100	0.00
55 TMP Bromoform	200.000	209.244	-4.6	100	0.00
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	10.000	9.904	1.0	100	0.00
58 TMP n-Propylbenzene	200.000	203.642	-1.8	100	0.00
59 TMP Bromobenzene	200.000	203.318	-1.7	100	0.00
60 TMP 1,3,5-Trimethylbenzene	200.000	211.247	-5.6	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	200.000	193.013	3.5	100	0.00
62 TMP 1,2,3-Trichloropropane	200.000	185.049	7.5	100	0.00
63 TMP 2-Chlorotoluene	200.000	198.504	0.7	100	0.00
64 TMP 4-Chlorotoluene	200.000	207.291	-3.6	100	0.00
65 TMP tert-Butylbenzene	200.000	223.858	-11.9	100	0.00
66 TMP 1,2,4-Trimethylbenzene	200.000	215.947	-8.0	100	0.00
67 TMP sec-Butylbenzene	200.000	219.812	-9.9	100	0.00
68 TMP p-Isopropyltoluene	200.000	219.638	-9.8	100	0.00
69 TMP 1,3-Dichlorobenzene	200.000	200.813	-0.4	100	0.00
70 TMP 1,4-Dichlorobenzene	200.000	203.255	-1.6	100	0.00
71 TMP 1,2-Dichlorobenzene	200.000	200.125	-0.1	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	200.000	206.867	-3.4	100	0.00
73 TMP 1,2,4-Trichlorobenzene	200.000	215.408	-7.7	100	0.00
74 TMP Hexachlorobutadiene	200.000	192.576	3.7	100	0.00
75 TMP Naphthalene	200.000	226.519	-13.3	100	0.00
76 TMP 1,2,3-Trichlorobenzene	200.000	213.521	-6.8	100	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110333.D
 Acq On : 03 Nov 2022 07:01 pm
 Operator : LM
 Sample : 200 ppb 8260 ICAL 67-177U
 Misc : soil/water
 ALS Vial : 23 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 14:09:24 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 14:08:49 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2 TMP	Ethanol	0.000	0.000#	0.0	0#	-1.86#
3 S	Dibromofluoromethane	0.283	0.270	4.6	100	0.00
4 TMP	Dichlorodifluoromethane	0.771	0.790	-2.5	100	0.00
5 TMP	Chloromethane	0.937	0.893	4.7	100	0.00
6 TMP	Vinyl chloride	0.838	0.815	2.7	100	0.00
7 TMP	Bromomethane	0.490	0.477	2.7	100	0.00
8 TMP	Chloroethane	0.420	0.400	4.8	100	0.00
9 TMP	Trichlorofluoromethane	0.910	0.921	-1.2	100	0.02
10 TMP	2-Propanol	0.000	0.000	0.0	0#	-0.03
11 TMP	Acetone	0.046	0.046	0.0	100	0.00
12 TMP	1,1-Dichloroethene	0.262	0.252	3.8	100	0.02
13 TMP	Hexane	0.408	0.403	1.2	100	0.00
14 TMP	Methylene chloride	0.307	0.275	10.4	100	0.00
15 TMP	t-Butyl alcohol (TBA)	0.034	0.036	-5.9	100	0.00
16 TMP	Methyl t-butyl ether (MTBE)	0.698	0.691	1.0	100	0.00
17 TMP	trans-1,2-Dichloroethene	0.296	0.274	7.4	100	0.02
18 TMP	Diisopropyl ether (DIPE)	0.862	0.897	-4.1	100	0.00
19 TMP	1,1-Dichloroethane	0.527	0.495	6.1	100	0.02
20 TMP	Ethyl t-butyl ether (ETBE)	0.290	0.295	-1.7	100	0.00
21 TMP	2,2-Dichloropropane	0.356	0.353	0.8	100	0.00
22 TMP	cis-1,2-Dichloroethene	0.316	0.297	6.0	100	0.00
23 TMP	Chloroform	0.496	0.458	7.7	100	0.00
24 TMP	2-Butanone (MEK)	0.170	0.173	-1.8	100	0.00
25 TMP	t-Amyl methyl ether (TAME)	0.673	0.659	2.1	100	0.00
26 TMP	1,2-Dichloroethane (EDC)	0.375	0.348	7.2	100	0.00
27 TMP	1,1,1-Trichloroethane	0.428	0.418	2.3	100	0.00
28 TMP	1,1-Dichloropropene	0.346	0.355	-2.6	100	0.00
29 TMP	Carbon tetrachloride	0.372	0.372	0.0	100	0.00
30 S	1,2-Dichloroethane-d4	0.063	0.059	6.3	100	0.00
31 TMP	Benzene	1.078	1.014	5.9	100	0.00
32 TMP	Trichloroethene	0.311	0.298	4.2	100	0.00
33 TMP	1,2-Dichloropropane	0.266	0.264	0.8	100	0.00
34 TMP	Bromodichloromethane	0.319	0.332	-4.1	100	0.00
35 S	Toluene-d8	0.888	0.900	-1.4	100	0.00
36 TMP	Dibromomethane	0.162	0.162	0.0	100	0.00
37 TMP	4-Methyl-2-pentanone	0.045	0.048	-6.7	100	0.00
38 TMP	cis-1,3-Dichloropropene	0.364	0.393	-8.0	100	0.00
39 I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40 TMP	Toluene	0.869	0.826	4.9	100	0.01
41 TMP	trans-1,3-Dichloropropene	0.405	0.428	-5.7	100	0.00
42 TMP	1,1,2-Trichloroethane	0.260	0.240	7.7	100	0.00
43 TMP	2-Hexanone	0.268	0.242	9.7	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110333.D
 Acq On : 03 Nov 2022 07:01 pm
 Operator : LM
 Sample : 200 ppb 8260 ICAL 67-177U
 Misc : soil/water
 ALS Vial : 23 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 14:09:24 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 14:08:49 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.430	0.422	1.9	100	0.00
45 TMP Tetrachloroethene	0.406	0.339	16.5	100	0.00
46 TMP Dibromochloromethane	0.344	0.346	-0.6	100	0.01
47 TMP 1,2-Dibromoethane (EDB)	0.317	0.298	6.0	100	0.00
48 TMP Chlorobenzene	0.922	0.934	-1.3	100	0.00
49 TMP Ethylbenzene	1.605	1.518	5.4	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.356	0.360	-1.1	100	0.00
51 TMP m,p-Xylene	0.626	0.601	4.0	100	0.00
52 TMP o-Xylene	0.622	0.612	1.6	100	0.00
53 TMP Styrene	0.907	0.965	-6.4	100	0.00
54 TMP Isopropylbenzene	1.561	1.624	-4.0	100	0.00
55 TMP Bromoform	0.258	0.270	-4.7	100	0.00
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	0.748	0.741	0.9	100	0.00
58 TMP n-Propylbenzene	3.027	3.083	-1.9	100	0.00
59 TMP Bromobenzene	0.740	0.753	-1.8	100	0.00
60 TMP 1,3,5-Trimethylbenzene	2.224	2.349	-5.6	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.717	0.692	3.5	100	0.00
62 TMP 1,2,3-Trichloropropane	0.549	0.508	7.5	100	0.00
63 TMP 2-Chlorotoluene	1.828	1.814	0.8	100	0.00
64 TMP 4-Chlorotoluene	1.994	2.067	-3.7	100	0.00
65 TMP tert-Butylbenzene	1.953	2.186	-11.9	100	0.00
66 TMP 1,2,4-Trimethylbenzene	2.250	2.429	-8.0	100	0.00
67 TMP sec-Butylbenzene	2.892	3.178	-9.9	100	0.00
68 TMP p-Isopropyltoluene	2.502	2.747	-9.8	100	0.00
69 TMP 1,3-Dichlorobenzene	1.434	1.440	-0.4	100	0.00
70 TMP 1,4-Dichlorobenzene	1.430	1.453	-1.6	100	0.00
71 TMP 1,2-Dichlorobenzene	1.428	1.429	-0.1	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	0.145	0.150	-3.4	100	0.00
73 TMP 1,2,4-Trichlorobenzene	1.063	1.145	-7.7	100	0.00
74 TMP Hexachlorobutadiene	0.623	0.600	3.7	100	0.00
75 TMP Naphthalene	2.362	2.676	-13.3	100	0.00
76 TMP 1,2,3-Trichlorobenzene	0.987	1.054	-6.8	100	0.00

(#) = Out of Range

SPCC's out = 1 CCC's out = 0

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110335.D
 Acq On : 03 Nov 2022 07:46 pm
 Operator : LM
 Sample : 10 ppb 8260 SCV 67-182C
 Misc : soil/water
 ALS Vial : 25 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 14:09:28 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 14:08:49 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	4.63	96	60742	10.000	ppb	0.00
39) Chlorobenzene-d5	7.27	117	45630	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	25827	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.08	113	16478	9.580	ppb	0.00
Spiked Amount	10.000	Range 50 - 150	Recovery	=	95.80%	
30) 1,2-Dichloroethane-d4	4.36	102	3868	10.106	ppb	0.00
Spiked Amount	10.000	Range 79 - 128	Recovery	=	101.10%	
35) Toluene-d8	5.98	98	56091	10.403	ppb	0.00
Spiked Amount	10.000	Range 84 - 121	Recovery	=	104.00%	
57) 4-Bromofluorobenzene	8.38	95	19904	10.305	ppb	0.00
Spiked Amount	10.000	Range 84 - 116	Recovery	=	103.10%	
Target Compounds						
2) Ethanol	0.00		0	N.D.		Qvalue
4) Dichlorodifluoromethane	1.09	85	35691	7.618	ppb	100
5) Chloromethane	1.23	50	46850	8.231	ppb	100
6] Vinyl chloride	1.30	62	46815	9.197	ppb	93
7) Bromomethane	1.53	94	28184	9.460	ppb	87
8] Chloroethane	1.60	64	24857	9.733	ppb	97
9) Trichlorofluoromethane	1.77	101	51967	9.397	ppb	94
10) 2-Propanol	0.00		0	N.D.		
11) Acetone	2.26	58	11159	39.896	ppb	90
12] 1,1-Dichloroethene	2.19	96	16823	10.567	ppb	94
13) Hexane	3.05	57	25165	10.156	ppb	99
14) Methylene chloride	2.61	84	20566	9.893	ppb	99
15) t-Butyl alcohol (TBA)	2.73	59	10195	49.491	ppb	94
16] Methyl t-butyl ether (...)	2.84	73	44412	10.476	ppb	97
17] trans-1,2-Dichloroethene	2.83	96	18021	10.012	ppb	92
18) Diisopropyl ether (DIPE)	3.24	45	51714	9.880	ppb	97
19] 1,1-Dichloroethane	3.18	63	33036	10.328	ppb	97
20) Ethyl t-butyl ether (E...)	3.55	87	18388	10.437	ppb	97
21) 2,2-Dichloropropane	3.67	77	21385	9.879	ppb	99
22] cis-1,2-Dichloroethene	3.67	96	19565	10.208	ppb	92
23) Chloroform	3.94	83	28647	9.499	ppb	99
24) 2-Butanone (MEK)	3.70	43	48561	46.917	ppb	98
25) t-Amyl methyl ether (T...)	4.49	73	40895	10.009	ppb	98
26] 1,2-Dichloroethane (EDC)	4.42	62	22722	9.979	ppb	95
27] 1,1,1-Trichloroethane	4.08	97	26251	10.095	ppb	95
28) 1,1-Dichloropropene	4.22	75	22426	10.655	ppb	98
29) Carbon tetrachloride	4.21	117	23108	10.225	ppb	91
31] Benzene	4.39	78	65430	10.633	ppb	97
32] Trichloroethene	4.93	95	19162	10.144	ppb	88
33) 1,2-Dichloropropane	5.13	63	16446	10.166	ppb	99
34) Bromodichloromethane	5.37	83	19412	10.014	ppb	91
36) Dibromomethane	5.23	93	10224	10.374	ppb	97

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110335.D
 Acq On : 03 Nov 2022 07:46 pm
 Operator : LM
 Sample : 10 ppb 8260 SCV 67-182C
 Misc : soil/water
 ALS Vial : 25 Sample Multiplier: 1
 InstName : GCMS11

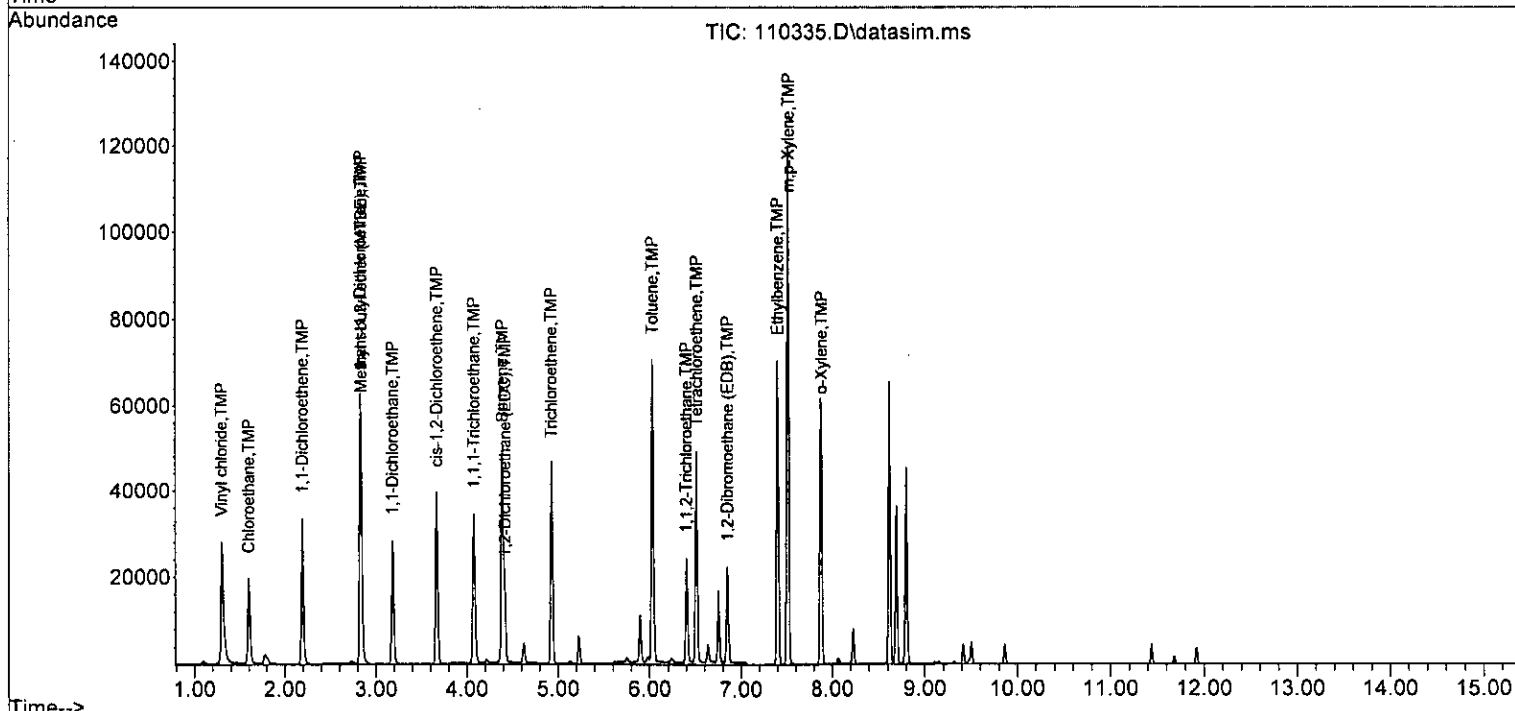
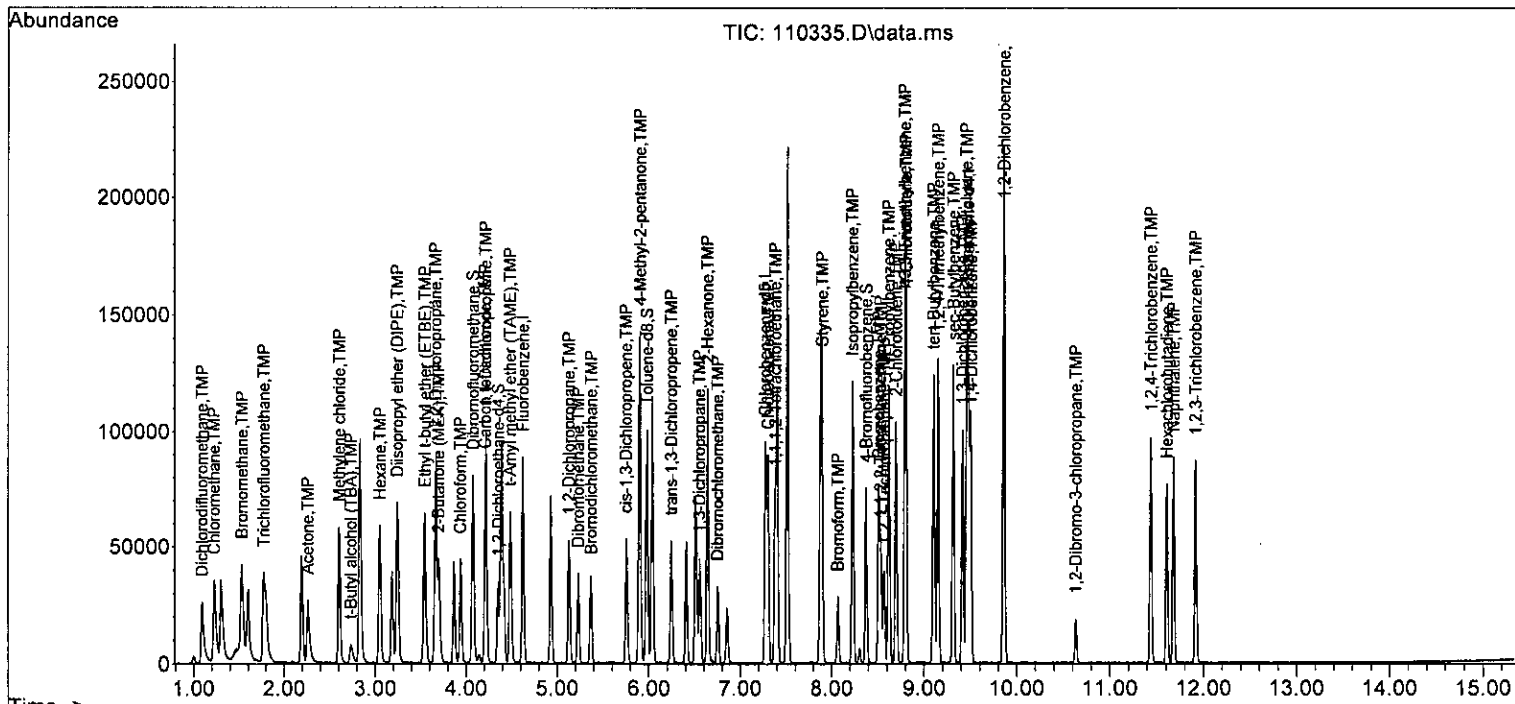
Quant Time: Nov 07 14:09:28 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 14:08:49 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	5.91	85	14288	51.910	ppb	90
38) cis-1,3-Dichloropropene	5.75	75	23669	10.717	ppb	98
40] Toluene	6.03	92	39705	10.014	ppb	92
41) trans-1,3-Dichloropropene	6.25	75	20906	11.300	ppb	97
42] 1,1,2-Trichloroethane	6.40	83	11892	11.040	ppb	92
43) 2-Hexanone	6.64	43	62136	50.813	ppb	98
44) 1,3-Dichloropropane	6.55	76	20659	10.532	ppb	97
45] Tetrachloroethene	6.51	164	16746	10.601	ppb	96
46) Dibromochloromethane	6.75	129	16012	10.198	ppb	96
47] 1,2-Dibromoethane (E08)	6.85	107	14782	10.225	ppb	97
48) Chlorobenzene	7.30	112	43354	10.304	ppb	96
49] Ethylbenzene	7.40	91	73471	10.032	ppb	90
50) 1,1,1,2-Tetrachloroethane	7.38	131	15592	9.605	ppb	95
51] m,p-Xylene	7.52	106	57100	19.985	ppb	89
52] o-Xylene	7.88	106	28896	10.177	ppb	90
53) Styrene	7.90	104	44077	10.653	ppb	94
54) Isopropylbenzene	8.23	105	72621	10.195	ppb	96
55) Bromoform	8.07	173	11572	9.839	ppb	97
58) n-Propylbenzene	8.62	91	83276	10.651	ppb	100
59) Bromobenzene	8.51	156	20676	10.814	ppb	96
60) 1,3,5-Trimethylbenzene	8.79	105	59956	10.439	ppb	98
61) 1,1,2,2-Tetrachloroethane	8.53	83	18951	10.234	ppb	99
62) 1,2,3-Trichloropropane	8.57	75	14235	10.032	ppb	95
63) 2-Chlorotoluene	8.70	91	49342	10.451	ppb	99
64) 4-Chlorotoluene	8.81	91	55977	10.867	ppb	98
65) tert-Butylbenzene	9.10	119	54119	10.731	ppb	98
66) 1,2,4-Trimethylbenzene	9.15	105	62547	10.765	ppb	99
67) sec-Butylbenzene	9.32	105	80039	10.718	ppb	99
68) p-Isopropyltoluene	9.46	119	68473	10.597	ppb	97
69) 1,3-Dichlorobenzene	9.42	146	38578	10.417	ppb	99
70) 1,4-Dichlorobenzene	9.51	146	38330	10.378	ppb	95
71) 1,2-Dichlorobenzene	9.86	146	37448	10.151	ppb	95
72) 1,2-Dibromo-3-chloropr...	10.63	75	3627	9.661	ppb	98
73) 1,2,4-Trichlorobenzene	11.44	180	28128	10.246	ppb	92
74) Hexachlorobutadiene	11.61	225	15777	9.806	ppb	99
75) Naphthalene	11.68	128	61001	9.998	ppb	99
76) 1,2,3-Trichlorobenzene	11.92	180	25455	9.985	ppb	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110335.D
 Acq On : 03 Nov 2022 07:46 pm
 Operator : LM
 Sample : 10 ppb 8260 SCV 67-182C
 Misc : soil/water
 ALS Vial : 25 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 14:09:28 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 14:08:49 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M



Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110335.D
 Acq On : 03 Nov 2022 07:46 pm
 Operator : LM
 Sample : 10 ppb 8260 SCV 67-182C
 Misc : soil/water
 ALS Vial : 25 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 14:09:28 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 14:08:49 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	10.000	10.000	0.0	104	0.00
2 TMP	Ethanol	-1.000	0.000	0.0	0	-1.86#
3 S	Dibromofluoromethane	10.000	9.580	4.2	101	0.00
4 TMP	Dichlorodifluoromethane	10.000	7.618	23.8#	77	0.00
5 TMP	Chloromethane	10.000	8.231	17.7	89	0.00
6 TMP	Vinyl chloride	10.000	9.197	8.0	96	0.00
7 TMP	Bromomethane	10.000	9.460	5.4	100	0.00
8 TMP	Chloroethane	10.000	9.733	2.7	100	0.00
9 TMP	Trichlorofluoromethane	10.000	9.397	6.0	99	0.00
10 TMP	2-Propanol	-1.000	0.000	0.0	0	-2.43#
11 TMP	Acetone	50.000	39.896	20.2#	85	0.00
12 TMP	1,1-Dichloroethene	10.000	10.567	-5.7	112	0.00
13 TMP	Hexane	10.000	10.156	-1.6	106	0.00
14 TMP	Methylene chloride	10.000	9.893	1.1	107	0.00
15 TMP	t-Butyl alcohol (TBA)	50.000	49.491	1.0	107	0.00
16 TMP	Methyl t-butyl ether (MTBE)	10.000	10.476	-4.8	106	0.00
17 TMP	trans-1,2-Dichloroethene	10.000	10.012	-0.1	106	0.00
18 TMP	Diisopropyl ether (DIPE)	10.000	9.880	1.2	95	0.00
19 TMP	1,1-Dichloroethane	10.000	10.328	-3.3	105	0.00
20 TMP	Ethyl t-butyl ether (ETBE)	10.000	10.437	-4.4	110	0.00
21 TMP	2,2-Dichloropropane	10.000	9.879	1.2	107	0.00
22 TMP	cis-1,2-Dichloroethene	10.000	10.208	-2.1	106	0.00
23 TMP	Chloroform	10.000	9.499	5.0	103	0.00
24 TMP	2-Butanone (MEK)	50.000	46.917	6.2	96	0.00
25 TMP	t-Amyl methyl ether (TAME)	10.000	10.009	-0.1	106	0.00
26 TMP	1,2-Dichloroethane (EDC)	10.000	9.979	0.2	106	0.00
27 TMP	1,1,1-Trichloroethane	10.000	10.095	-1.0	105	0.00
28 TMP	1,1-Dichloropropene	10.000	10.655	-6.5	112	0.00
29 TMP	Carbon tetrachloride	10.000	10.225	-2.2	107	0.00
30 S	1,2-Dichloroethane-d4	10.000	10.106	-1.1	103	0.00
31 TMP	Benzene	10.000	10.633	-6.3	107	0.00
32 TMP	Trichloroethene	10.000	10.144	-1.4	110	0.00
33 TMP	1,2-Dichloropropane	10.000	10.166	-1.7	104	0.00
34 TMP	Bromodichloromethane	10.000	10.014	-0.1	105	0.00
35 S	Toluene-d8	10.000	10.403	-4.0	105	0.00
36 TMP	Dibromomethane	10.000	10.374	-3.7	105	0.00
37 TMP	4-Methyl-2-pentanone	50.000	51.910	-3.8	108	0.00
38 TMP	cis-1,3-Dichloropropene	10.000	10.717	-7.2	117	0.00
39 I	Chlorobenzene-d5	10.000	10.000	0.0	105	0.00
40 TMP	Toluene	10.000	10.014	-0.1	108	0.00
41 TMP	trans-1,3-Dichloropropene	10.000	11.300	-13.0	117	0.00
42 TMP	1,1,2-Trichloroethane	10.000	11.040	-10.4	108	0.00
43 TMP	2-Hexanone	50.000	50.813	-1.6	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110335.D
 Acq On : 03 Nov 2022 07:46 pm
 Operator : LM
 Sample : 10 ppb 8260 SCV 67-182C
 Misc : soil/water
 ALS Vial : 25 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 14:09:28 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 14:08:49 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	10.000	10.532	-5.3	107	0.00
45 TMP Tetrachloroethene	10.000	10.601	-6.0	107	0.00
46 TMP Dibromochloromethane	10.000	10.198	-2.0	109	0.00
47 TMP 1,2-Dibromoethane (EDB)	10.000	10.225	-2.2	108	0.00
48 TMP Chlorobenzene	10.000	10.304	-3.0	108	0.00
49 TMP Ethylbenzene	10.000	10.032	-0.3	109	0.00
50 TMP 1,1,1,2-Tetrachloroethane	10.000	9.605	3.9	103	0.00
51 TMP m,p-Xylene	20.000	19.985	0.1	108	0.00
52 TMP o-Xylene	10.000	10.177	-1.8	110	0.00
53 TMP Styrene	10.000	10.653	-6.5	111	0.00
54 TMP Isopropylbenzene	10.000	10.195	-2.0	108	0.00
55 TMP Bromoform	10.000	9.839	1.6	108	0.00
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	103	0.00
57 S 4-Bromofluorobenzene	10.000	10.305	-3.0	107	0.00
58 TMP n-Propylbenzene	10.000	10.651	-6.5	107	0.00
59 TMP Bromobenzene	10.000	10.814	-8.1	110	0.00
60 TMP 1,3,5-Trimethylbenzene	10.000	10.439	-4.4	107	0.00
61 TMP 1,1,2,2-Tetrachloroethane	10.000	10.234	-2.3	106	0.00
62 TMP 1,2,3-Trichloropropane	10.000	10.032	-0.3	104	0.00
63 TMP 2-Chlorotoluene	10.000	10.451	-4.5	107	0.00
64 TMP 4-Chlorotoluene	10.000	10.867	-8.7	105	0.00
65 TMP tert-Butylbenzene	10.000	10.731	-7.3	110	0.00
66 TMP 1,2,4-Trimethylbenzene	10.000	10.765	-7.7	111	0.00
67 TMP sec-Butylbenzene	10.000	10.718	-7.2	108	0.00
68 TMP p-Isopropyltoluene	10.000	10.597	-6.0	110	0.00
69 TMP 1,3-Dichlorobenzene	10.000	10.417	-4.2	106	0.00
70 TMP 1,4-Dichlorobenzene	10.000	10.378	-3.8	108	0.00
71 TMP 1,2-Dichlorobenzene	10.000	10.151	-1.5	105	0.00
72 TMP 1,2-Dibromo-3-chloropropane	10.000	9.661	3.4	103	0.00
73 TMP 1,2,4-Trichlorobenzene	10.000	10.246	-2.5	111	0.00
74 TMP Hexachlorobutadiene	10.000	9.806	1.9	107	0.00
75 TMP Naphthalene	10.000	9.998	0.0	109	0.00
76 TMP 1,2,3-Trichlorobenzene	10.000	9.985	0.2	106	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110335.D
 Acq On : 03 Nov 2022 07:46 pm
 Operator : LM
 Sample : 10 ppb 8260 SCV 67-182C
 Misc : soil/water
 ALS Vial : 25 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 14:09:28 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 14:08:49 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I Fluorobenzene	1.000	1.000	0.0	104	0.00
2 TMP Ethanol	0.000	0.000#	0.0	0#	-1.86#
3 S Dibromofluoromethane	0.283	0.271	4.2	101	0.00
4 TMP Dichlorodifluoromethane	0.771	0.588	23.7#	77	0.00
5 TMP Chloromethane	0.937	0.771	17.7	89	0.00
6 TMP Vinyl chloride	0.838	0.771	8.0	96	0.00
7 TMP Bromomethane	0.490	0.464	5.3	100	0.00
8 TMP Chloroethane	0.420	0.409	2.6	100	0.00
9 TMP Trichlorofluoromethane	0.910	0.856	5.9	99	0.00
10 TMP 2-Propanol	0.000	0.000	0.0	0#	-2.43#
11 TMP Acetone	0.046	0.037	19.6	85	0.00
12 TMP 1,1-Dichloroethene	0.262	0.277	-5.7	112	0.00
13 TMP Hexane	0.408	0.414	-1.5	106	0.00
14 TMP Methylene chloride	0.307	0.339	-10.4	107	0.00
15 TMP t-Butyl alcohol (TBA)	0.034	0.034	0.0	107	0.00
16 TMP Methyl t-butyl ether (MTBE)	0.698	0.731	-4.7	106	0.00
17 TMP trans-1,2-Dichloroethene	0.296	0.297	-0.3	106	0.00
18 TMP Diisopropyl ether (DIPE)	0.862	0.851	1.3	95	0.00
19 TMP 1,1-Dichloroethane	0.527	0.544	-3.2	105	0.00
20 TMP Ethyl t-butyl ether (ETBE)	0.290	0.303	-4.5	110	0.00
21 TMP 2,2-Dichloropropane	0.356	0.352	1.1	107	0.00
22 TMP cis-1,2-Dichloroethene	0.316	0.322	-1.9	106	0.00
23 TMP Chloroform	0.496	0.472	4.8	103	0.00
24 TMP 2-Butanone (MEK)	0.170	0.160	5.9	96	0.00
25 TMP t-Amyl methyl ether (TAME)	0.673	0.673	0.0	106	0.00
26 TMP 1,2-Dichloroethane (EDC)	0.375	0.374	0.3	106	0.00
27 TMP 1,1,1-Trichloroethane	0.428	0.432	-0.9	105	0.00
28 TMP 1,1-Dichloropropene	0.346	0.369	-6.6	112	0.00
29 TMP Carbon tetrachloride	0.372	0.380	-2.2	107	0.00
30 S 1,2-Dichloroethane-d4	0.063	0.064	-1.6	103	0.00
31 TMP Benzene	1.078	1.077	0.1	107	0.00
32 TMP Trichloroethene	0.311	0.315	-1.3	110	0.00
33 TMP 1,2-Dichloropropane	0.266	0.271	-1.9	104	0.00
34 TMP Bromodichloromethane	0.319	0.320	-0.3	105	0.00
35 S Toluene-d8	0.888	0.923	-3.9	105	0.00
36 TMP Dibromomethane	0.162	0.168	-3.7	105	0.00
37 TMP 4-Methyl-2-pentanone	0.045	0.047	-4.4	108	0.00
38 TMP cis-1,3-Dichloropropene	0.364	0.390	-7.1	117	0.00
39 I Chlorobenzene-d5	1.000	1.000	0.0	105	0.00
40 TMP Toluene	0.869	0.870	-0.1	108	0.00
41 TMP trans-1,3-Dichloropropene	0.405	0.458	-13.1	117	0.00
42 TMP 1,1,2-Trichloroethane	0.260	0.261	-0.4	108	0.00
43 TMP 2-Hexanone	0.268	0.272	-1.5	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110335.D
 Acq On : 03 Nov 2022 07:46 pm
 Operator : LM
 Sample : 10 ppb 8260 SCV 67-182C
 Misc : soil/water
 ALS Vial : 25 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 14:09:28 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 14:08:49 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.430	0.453	-5.3	107	0.00
45 TMP Tetrachloroethene	0.406	0.367	9.6	107	0.00
46 TMP Dibromochloromethane	0.344	0.351	-2.0	109	0.00
47 TMP 1,2-Dibromoethane (EDB)	0.317	0.324	-2.2	108	0.00
48 TMP Chlorobenzene	0.922	0.950	-3.0	108	0.00
49 TMP Ethylbenzene	1.605	1.610	-0.3	109	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.356	0.342	3.9	103	0.00
51 TMP m,p-Xylene	0.626	0.626	0.0	108	0.00
52 TMP o-Xylene	0.622	0.633	-1.8	110	0.00
53 TMP Styrene	0.907	0.966	-6.5	111	0.00
54 TMP Isopropylbenzene	1.561	1.592	-2.0	108	0.00
55 TMP Bromoform	0.258	0.254	1.6	108	0.00
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	103	0.00
57 S 4-Bromofluorobenzene	0.748	0.771	-3.1	107	0.00
58 TMP n-Propylbenzene	3.027	3.224	-6.5	107	0.00
59 TMP Bromobenzene	0.740	0.801	-8.2	110	0.00
60 TMP 1,3,5-Trimethylbenzene	2.224	2.321	-4.4	107	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.717	0.734	-2.4	106	0.00
62 TMP 1,2,3-Trichloropropane	0.549	0.551	-0.4	104	0.00
63 TMP 2-Chlorotoluene	1.828	1.910	-4.5	107	0.00
64 TMP 4-Chlorotoluene	1.994	2.167	-8.7	105	0.00
65 TMP tert-Butylbenzene	1.953	2.095	-7.3	110	0.00
66 TMP 1,2,4-Trimethylbenzene	2.250	2.422	-7.6	111	0.00
67 TMP sec-Butylbenzene	2.892	3.099	-7.2	108	0.00
68 TMP p-Isopropyltoluene	2.502	2.651	-6.0	110	0.00
69 TMP 1,3-Dichlorobenzene	1.434	1.494	-4.2	106	0.00
70 TMP 1,4-Dichlorobenzene	1.430	1.484	-3.8	108	0.00
71 TMP 1,2-Dichlorobenzene	1.428	1.450	-1.5	105	0.00
72 TMP 1,2-Dibromo-3-chloropropane	0.145	0.140	3.4	103	0.00
73 TMP 1,2,4-Trichlorobenzene	1.063	1.089	-2.4	111	0.00
74 TMP Hexachlorobutadiene	0.623	0.611	1.9	107	0.00
75 TMP Naphthalene	2.362	2.362	0.0	109	0.00
76 TMP 1,2,3-Trichlorobenzene	0.987	0.986	0.1	106	0.00

(#) = Out of Range

SPCC's out = 1 CCC's out = 0

Method Path : D:\Methods\Inst13\
 Method File : VB112222ms13.M
 Title : 8260 Purge & Trap Volatiles Dual Acquisition
 Last Update : Wed Nov 23 09:07:37 2022
 Response Via : Initial Calibration

Total Cpnds : 76

PK#	Compound Name	QIon	Exp_RT	Rel_RT	Cal	#Qual	A/H	ID
1	I Fluorobenzene	96	4.75	1.000	A	1	A	B
2	T Ethanol	45	2.34	0.493	A	1	A	B
3	S Dibromofluoromethane	113	4.17	0.880	A	0	A	B
4	T Dichlorodifluoromethane	85	1.12	0.235	A	1	A	B
5	T Chloromethane	50	1.26	0.266	A	1	A	B
6	T Vinyl chloride	-62	1.35	0.284	A	1	A	B
7	T Bromomethane	94	1.60	0.337	A	1	A	B
8	T Chloroethane	-64	1.67	0.351	A	1	A	B
9	T Trichlorofluoromethane	101	1.87	0.394	A	1	A	B
10	T 2-Propanol	45	2.34	0.493	A	1	A	B
11	T Acetone	58	2.33	0.491	Q	1	A	B
12	T 1,1-Dichloroethene	-96	2.27	0.479	A	2	A	B
13	T Hexane	57	3.16	0.665	A	2	A	B
14	T Methylene chloride	84	2.69	0.567	Q	2	A	B
15	T t-Butyl alcohol (TBA)	59	2.83	0.595	A	1	A	B
16	T Methyl t-butyl ether (MTBE)	-73	2.93	0.618	A	1	A	B
17	T trans-1,2-Dichloroethene	-96	2.92	0.616	A	2	A	B
18	T Diisopropyl ether (DIPE)	45	3.35	0.706	A	3	A	B
19	T 1,1-Dichloroethane	-63	3.29	0.692	A	2	A	B
20	T Ethyl t-butyl ether (ETBE)	87	3.66	0.771	A	3	A	B
21	T 2,2-Dichloropropane	77	3.77	0.795	Q	1	A	B
22	T cis-1,2-Dichloroethene	-96	3.77	0.794	A	2	A	B
23	T Chloroform	83	4.04	0.851	A	1	A	B
24	T 2-Butanone (MEK)	43	3.79	0.800	Q	2	A	B
25	T t-Amyl methyl ether (TAME)	73	4.61	0.972	A	2	A	B
26	T 1,2-Dichloroethane (EDC)	-62	4.53	0.954	Q	1	A	B
27	T 1,1,1-Trichloroethane	-97	4.19	0.883	A	2	A	B
28	T 1,1-Dichloropropene	75	4.33	0.913	A	2	A	B
29	T Carbon tetrachloride	117	4.33	0.913	A	1	A	B
30	S 1,2-Dichloroethane-d4	102	4.46	0.939	A	1	A	B
31	T Benzene	-78	4.50	0.949	A	1	A	B
32	T Trichloroethene	-95	5.05	1.065	L	3	A	B
33	T 1,2-Dichloropropane	63	5.24	1.105	A	1	A	B
34	T Bromodichloromethane	83	5.48	1.155	A	2	A	B
35	S Toluene-d8	98	6.11	1.286	A	1	A	B
36	T Dibromomethane	93	5.35	1.127	A	2	A	B
37	T 4-Methyl-2-pentanone	85	6.02	1.269	A	2	A	B
38	T cis-1,3-Dichloropropene	75	5.88	1.238	A	2	A	B
39	I Chlorobenzene-d5	117	7.41	1.000	A	1	A	B
40	T Toluene	-92	6.16	0.832	L	1	A	B
41	T trans-1,3-Dichloropropene	75	6.36	0.859	A	2	A	B
42	T 1,1,2-Trichloroethane	-83	6.53	0.881	L	2	A	B
43	T 2-Hexanone	43	6.76	0.913	A	3	A	B
44	T 1,3-Dichloropropane	76	6.68	0.902	A	1	A	B
45	T Tetrachloroethene	-164	6.65	0.898	Q	3	A	B
46	T Dibromochloromethane	129	6.88	0.930	A	1	A	B
47	T 1,2-Dibromoethane (EDB)	-107	6.98	0.943	A	2	A	B
48	T Chlorobenzene	112	7.43	1.004	A	2	A	B
49	T Ethylbenzene	-91	7.54	1.018	L	1	A	B
50	T 1,1,1,2-Tetrachloroethane	131	7.51	1.014	A	2	A	B
51	T m,p-Xylene	-106	7.65	1.033	L	1	A	B
52	T o-Xylene	-106	8.02	1.083	L	1	A	B
53	T Styrene	104	8.03	1.085	A	1	A	B
54	T Isopropylbenzene	105	8.37	1.130	A	1	A	B
55	T Bromoform	173	8.20	1.107	A	2	A	B

56	I	1,4-Dichlorobenzene-d4	152	9.62	1.000	A	2	A	B
57	S	4-Bromofluorobenzene	95	8.51	0.884	A	2	A	B
58	T	n-Propylbenzene	91	8.77	0.911	A	1	A	B
59	T	Bromobenzene	156	8.65	0.898	A	2	A	B
60	T	1,3,5-Trimethylbenzene	105	8.94	0.929	A	1	A	B
61	T	1,1,2,2-Tetrachloroethane	83	8.65	0.899	L	2	A	B
62	T	1,2,3-Trichloropropane	75	8.70	0.904	A	3	A	B
63	T	2-Chlorotoluene	91	8.84	0.918	A	1	A	B
64	T	4-Chlorotoluene	91	8.95	0.930	A	1	A	B
65	T	tert-Butylbenzene	119	9.25	0.961	A	2	A	B
66	T	1,2,4-Trimethylbenzene	105	9.30	0.966	A	1	A	B
67	T	sec-Butylbenzene	105	9.46	0.983	A	1	A	B
68	T	p-Isopropyltoluene	119	9.61	0.999	A	2	A	B
69	T	1,3-Dichlorobenzene	146	9.56	0.993	A	2	A	B
70	T	1,4-Dichlorobenzene	146	9.64	1.002	A	2	A	B
71	T	1,2-Dichlorobenzene	146	10.01	1.040	A	2	A	B
72	T	1,2-Dibromo-3-chloropropane	75	10.77	1.119	A	2	A	B
73	T	1,2,4-Trichlorobenzene	180	11.59	1.204	A	2	A	B
74	T	Hexachlorobutadiene	225	11.77	1.223	A	2	A	B
75	T	Naphthalene	128	11.83	1.230	A	2	A	B
76	T	1,2,3-Trichlorobenzene	180	12.08	1.255	A	2	A	B

Cal A = Average L = Linear LO = Linear w/origin Q = Quad QO = Quad w/origin

#Qual = number of qualifiers

A/H = Area or Height

ID R = R.T. B = R.T. & Q Q = Qvalue L = Largest A = All

VB112222ms13.M Thu Jan 05 13:18:19 2023

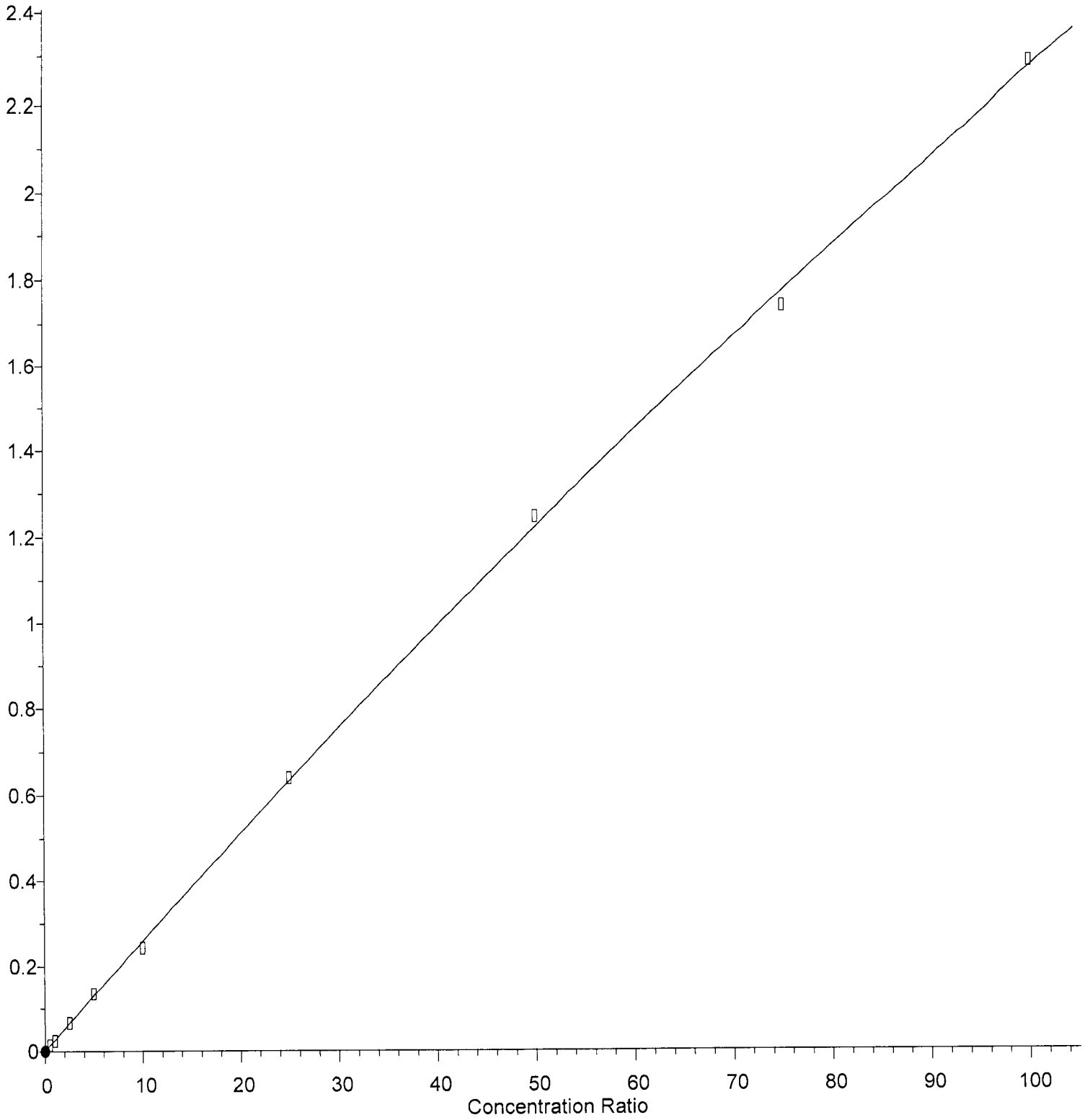
Method Path : D:\Methods\Inst13\
 Method File : VB112222ms13.M
 Title : 8260 Purge & Trap Volatiles Dual Acquisition
 Last Update : Wed Nov 23 09:07:37 2022
 Response Via : Initial Calibration

#	ID	Conc	ISTD Conc	Path\File
1	0.02	0	10	D:\Proc_GCMS13\11-22-22\112216.D
2	0.04	0	10	D:\Proc_GCMS13\11-22-22\112217.D
3	0.1	0	10	D:\Proc_GCMS13\11-22-22\112218.D
4	0.2	0	10	D:\Proc_GCMS13\11-22-22\112219.D
5	0.5	1	10	D:\Proc_GCMS13\11-22-22\112220.D
6	1	1	10	D:\Proc_GCMS13\11-22-22\112221.D
7	2	2	10	D:\Proc_GCMS13\11-22-22\112222.D
8	5	5	10	D:\Proc_GCMS13\11-22-22\112223.D
9	10	10	10	D:\Proc_GCMS13\11-22-22\112224.D
10	20	20	10	D:\Proc_GCMS13\11-22-22\112225.D
11	50	50	10	D:\Proc_GCMS13\11-22-22\112226.D
12	100	100	10	D:\Proc_GCMS13\11-22-22\112227.D
13	150	150	10	D:\Proc_GCMS13\11-22-22\112228.D
14	200	200	10	D:\Proc_GCMS13\11-22-22\112229.D

#	ID	Update Time	Quant Time	Acquisition Time
1	0.02	Nov 23 09:06 2022	Nov 23 08:56 2022	22 Nov 2022 07:14 pm
2	0.04	Nov 23 09:06 2022	Nov 23 08:54 2022	22 Nov 2022 07:37 pm
3	0.1	Nov 23 09:06 2022	Nov 23 08:57 2022	22 Nov 2022 08:00 pm
4	0.2	Nov 23 09:06 2022	Nov 23 08:58 2022	22 Nov 2022 08:23 pm
5	0.5	Nov 23 09:06 2022	Nov 23 09:00 2022	22 Nov 2022 08:46 pm
6	1	Nov 23 09:06 2022	Nov 23 09:01 2022	22 Nov 2022 09:09 pm
7	2	Nov 23 09:06 2022	Nov 23 09:03 2022	22 Nov 2022 09:32 pm
8	5	Nov 23 09:06 2022	Nov 23 09:03 2022	22 Nov 2022 09:56 pm
9	10	Nov 23 09:06 2022	Nov 23 09:04 2022	22 Nov 2022 10:19 pm
10	20	Nov 23 09:06 2022	Nov 23 09:04 2022	22 Nov 2022 10:42 pm
11	50	Nov 23 09:06 2022	Nov 23 08:31 2022	22 Nov 2022 11:05 pm
12	100	Nov 23 09:06 2022	Nov 23 08:31 2022	22 Nov 2022 11:28 pm
13	150	Nov 23 09:06 2022	Nov 23 09:05 2022	22 Nov 2022 11:51 pm
14	200	Nov 23 09:06 2022	Nov 23 08:31 2022	23 Nov 2022 12:14 am

Acetone

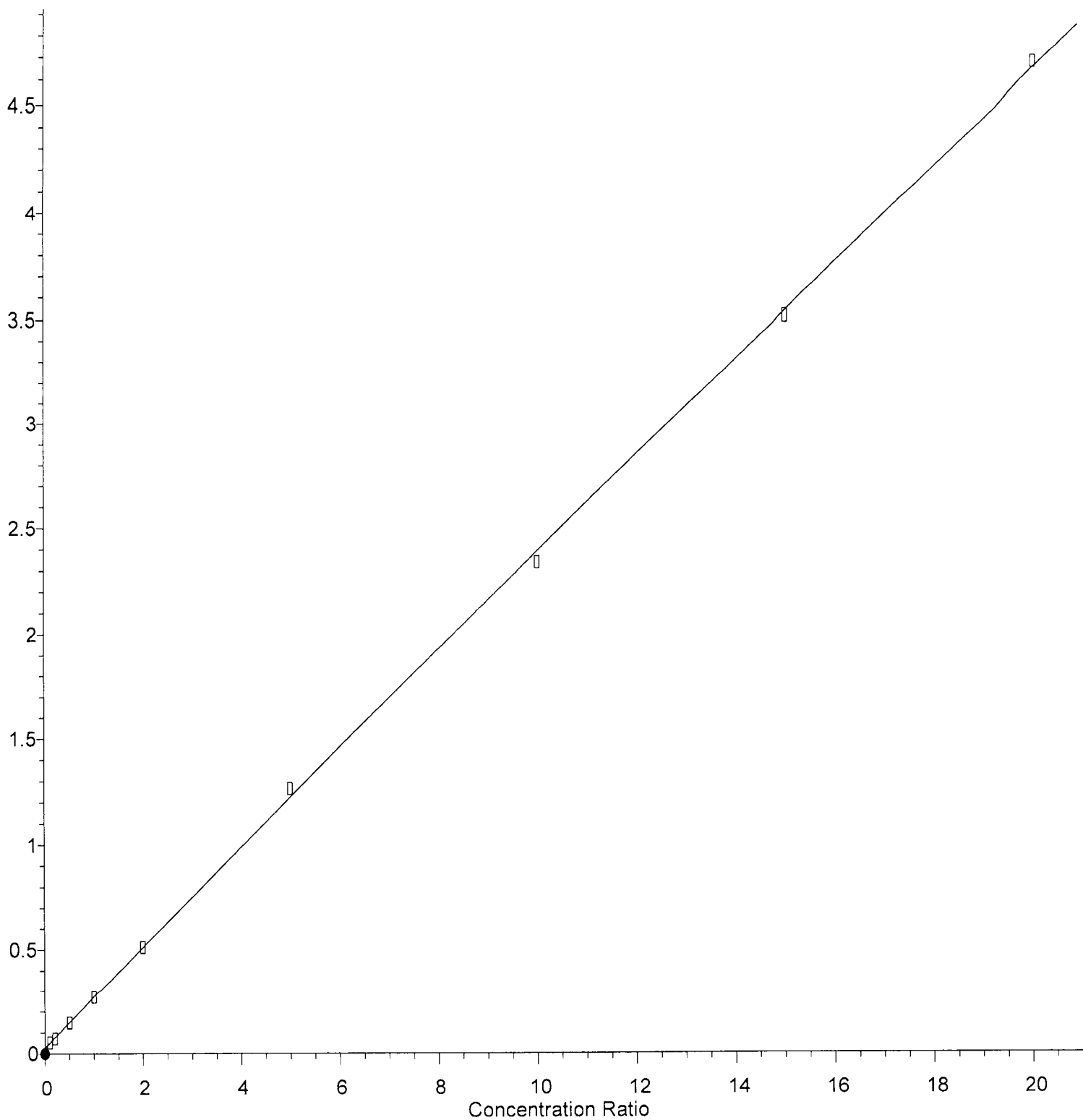
Response Ratio



$R = -3.333e-005 A^2 + 2.612e-002 A + 6.220e-004$
Coef of Det (r^2) = 0.999529 Curve Fit: Quadratic w(1/a)
Method Name: D:\Methods\Inst13\VB112222ms13.M
Calibration Table Last Updated: Wed Nov 23 09:07:37 2022

Methylene chloride

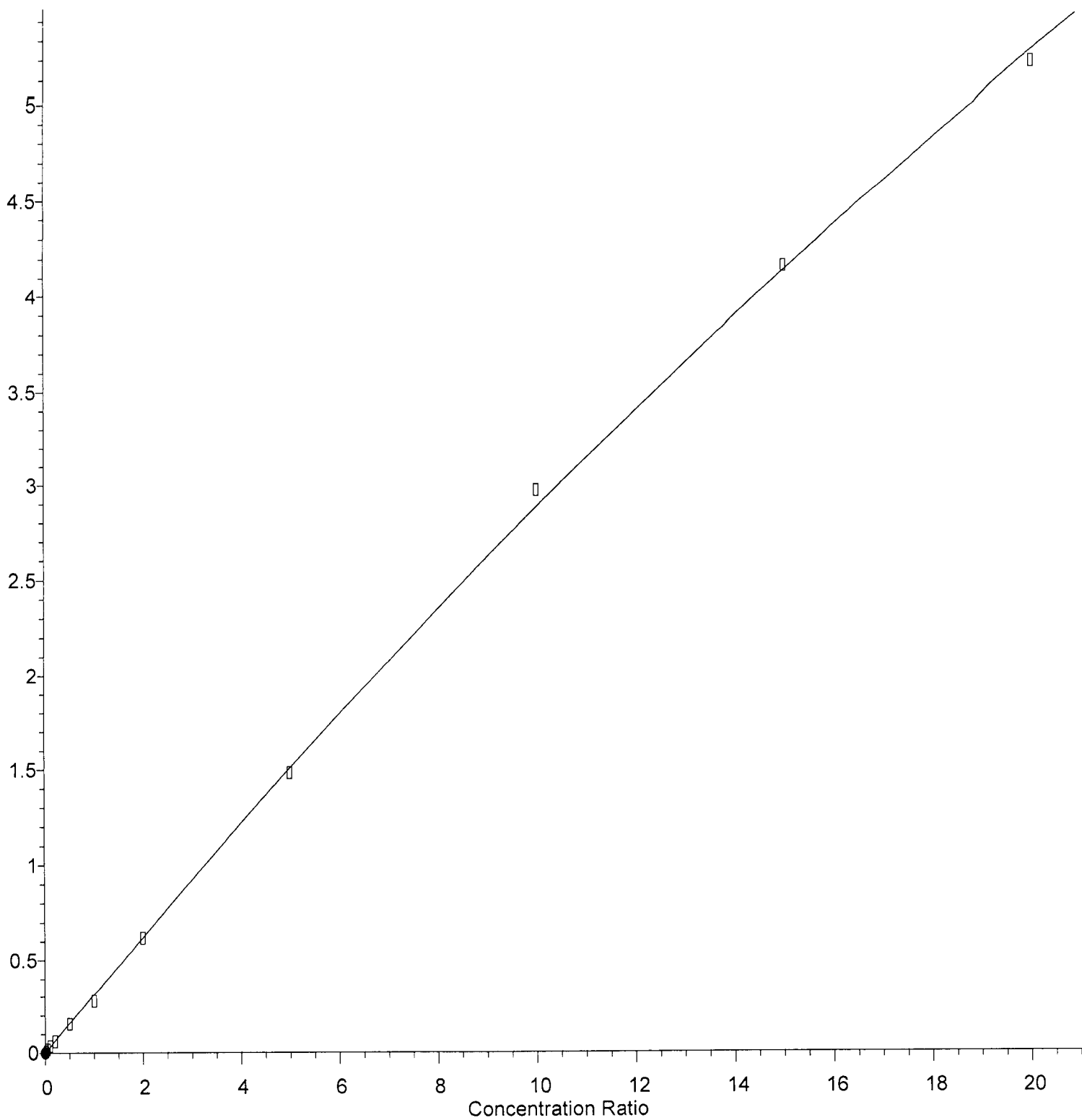
Response Ratio



$R = -5.143e-004 A^2 + 2.418e-001 A + 2.825e-002$
Coef of Det (r^2) = 0.999717 Curve Fit: Quadratic w(1/a)
Method Name: D:\Methods\Inst13\VB112222ms13.M
Calibration Table Last Updated: Wed Nov 23 09:07:37 2022

2,2-Dichloropropane

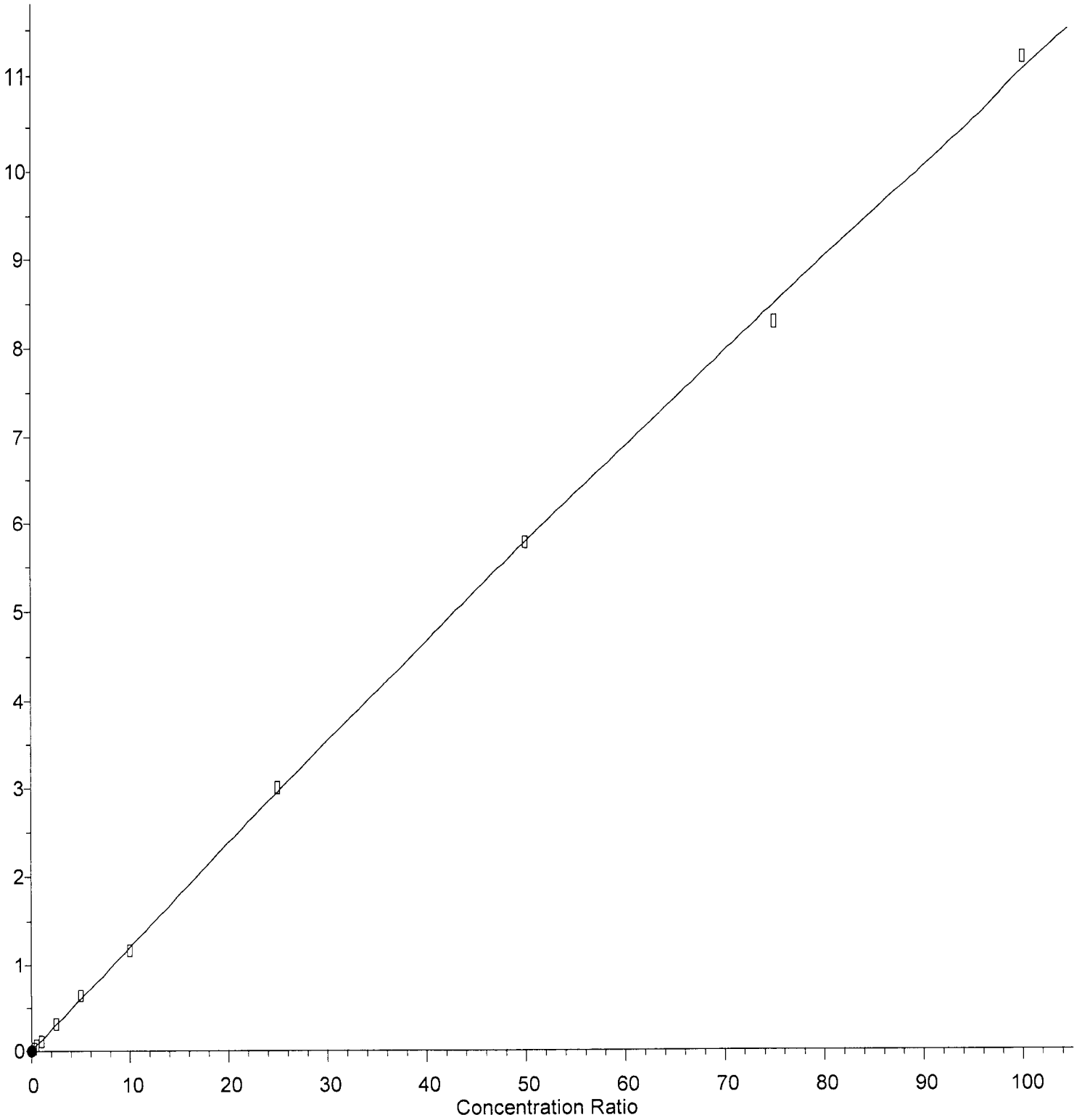
Response Ratio



$R = -2.549e-003 A^2 + 3.139e-001 A + 2.165e-003$
Coef of Det (r^2) = 0.999356 Curve Fit: Quadratic w(1/a)
Method Name: D:\Methods\Inst13\VB112222ms13.M
Calibration Table Last Updated: Wed Nov 23 09:07:37 2022

2-Butanone (MEK)

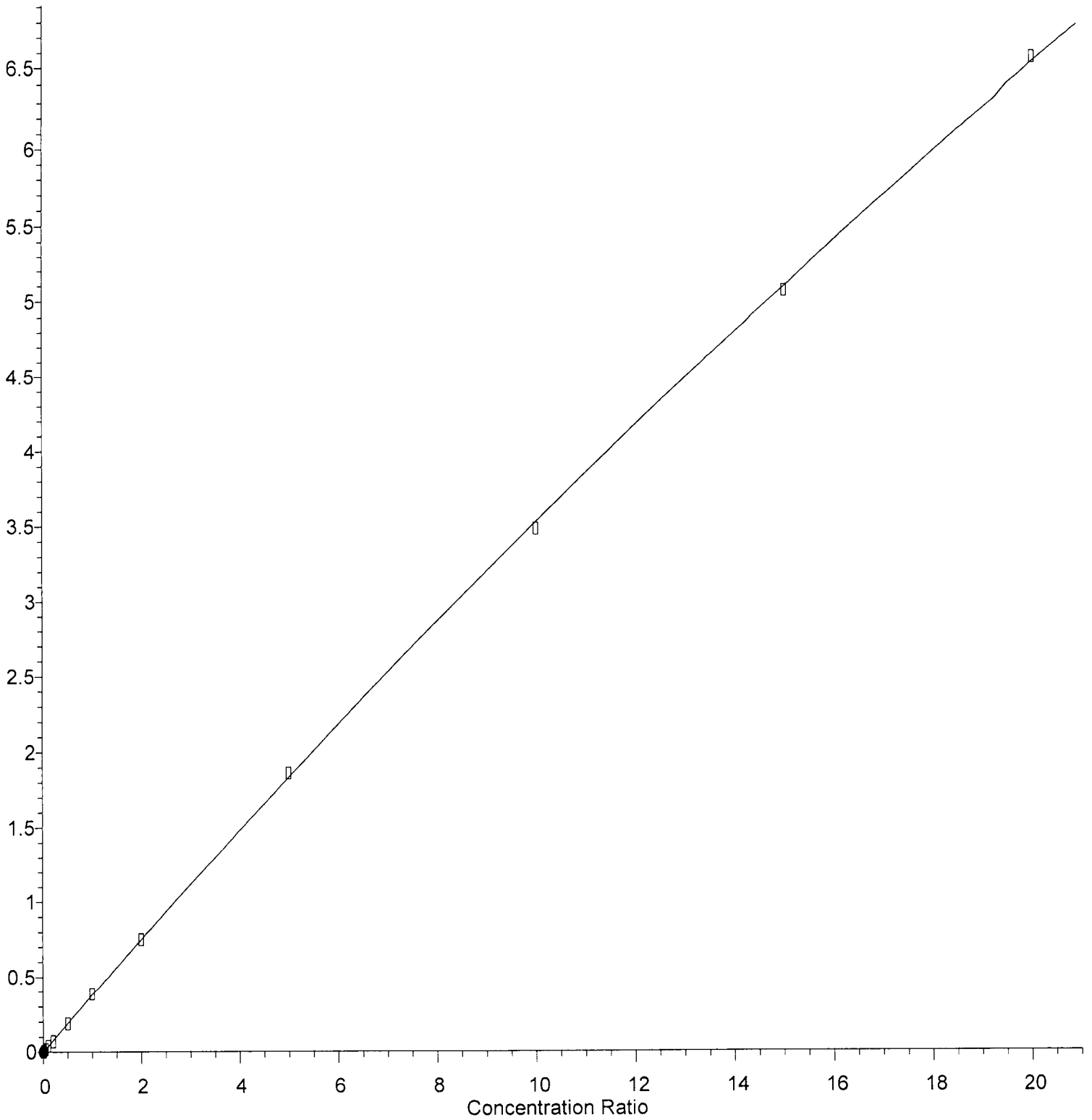
Response Ratio



R = -9.797e-005 A*A + 1.207e-001 A + 2.159e-003
Coef of Det (r^2) = 0.999563 Curve Fit: Quadratic w(1/a)
Method Name: D:\Methods\Inst13\VB112222ms13.M
Calibration Table Last Updated: Wed Nov 23 09:07:37 2022

1,2-Dichloroethane (EDC)

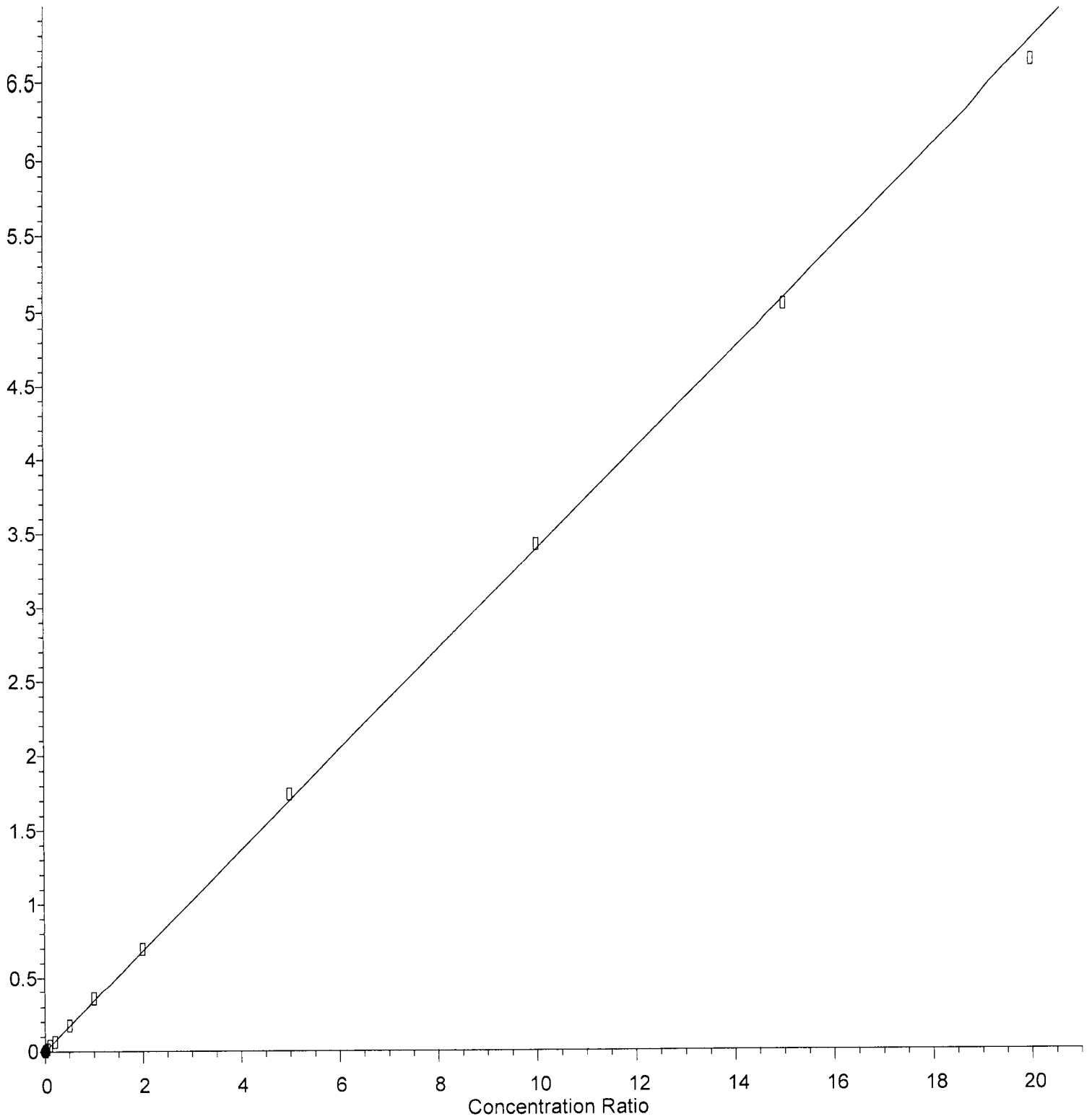
Response Ratio



$R = -2.595e-003 A^2 + 3.792e-001 A + 6.410e-004$
Coef of Det (r^2) = 0.999883 Curve Fit: Quadratic w(1/a)
Method Name: D:\Methods\Inst13\VB112222ms13.M
Calibration Table Last Updated: Wed Nov 23 09:07:37 2022

Trichloroethene

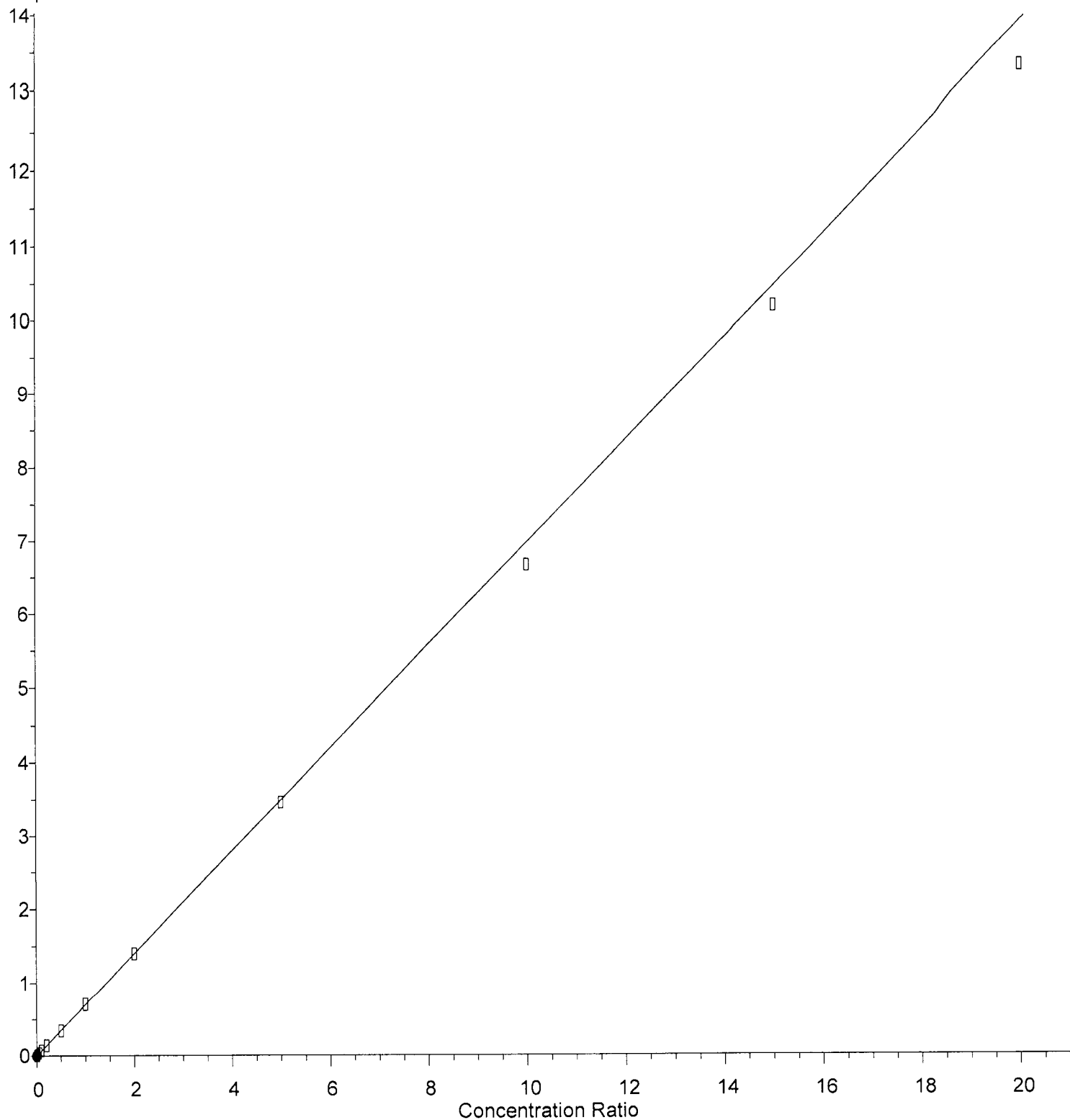
Response Ratio



Response = $3.397e-001 * Amt + 2.185e-004$
Coef of Det (r^2) = 0.996413 Curve Fit: $wlr(1/a^2)$
Method Name: D:\Methods\Inst13\VB112222ms13.M
Calibration Table Last Updated: Wed Nov 23 09:07:37 2022

Toluene

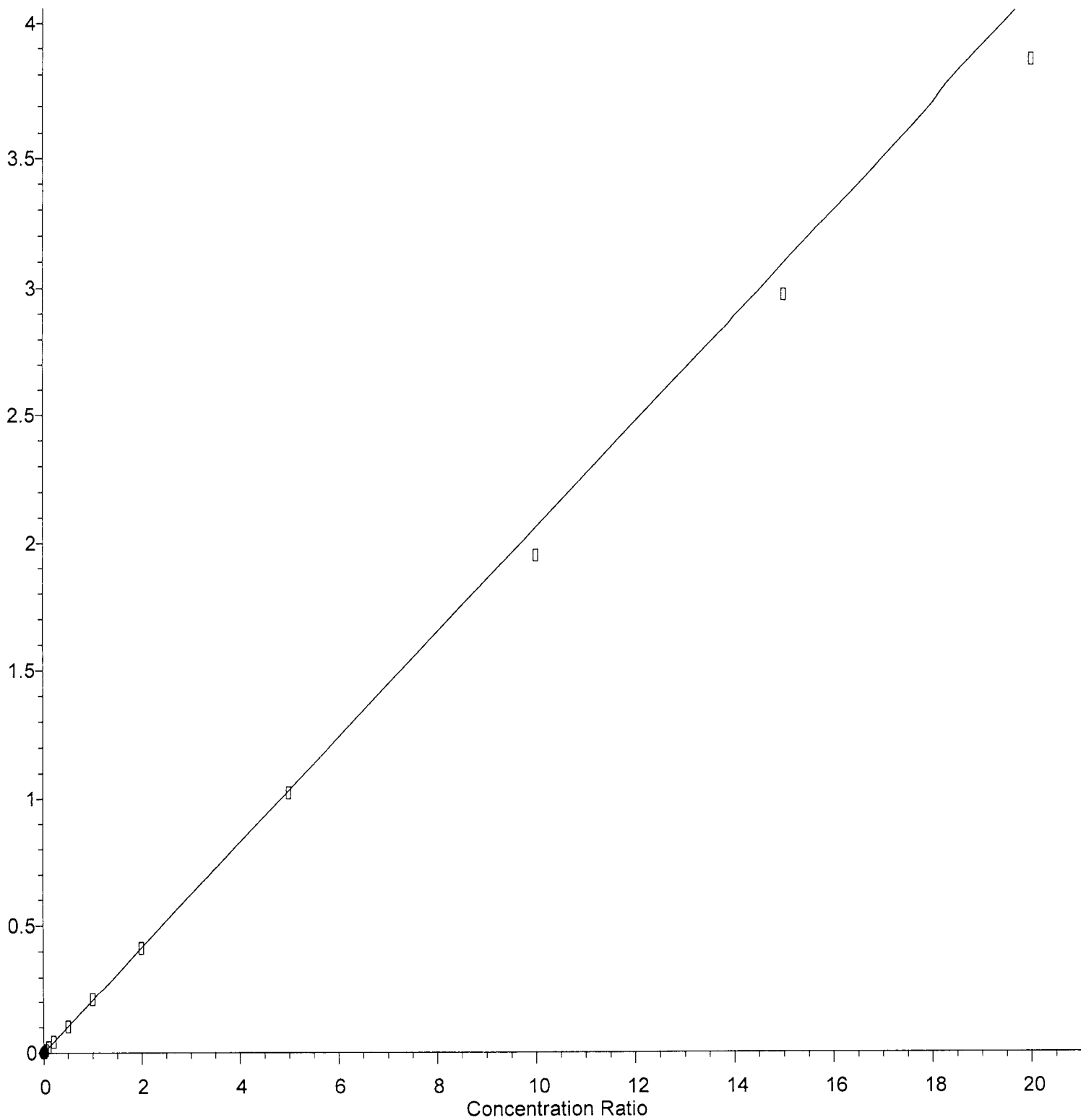
Response Ratio



Response = 6.980e-001 * Amt + 7.794e-004
Coef of Det (r^2) = 0.998773 Curve Fit: wlr(1/a^2)
Method Name: D:\Methods\Inst13\VB112222ms13.M
Calibration Table Last Updated: Wed Nov 23 09:07:37 2022

1,1,2-Trichloroethane

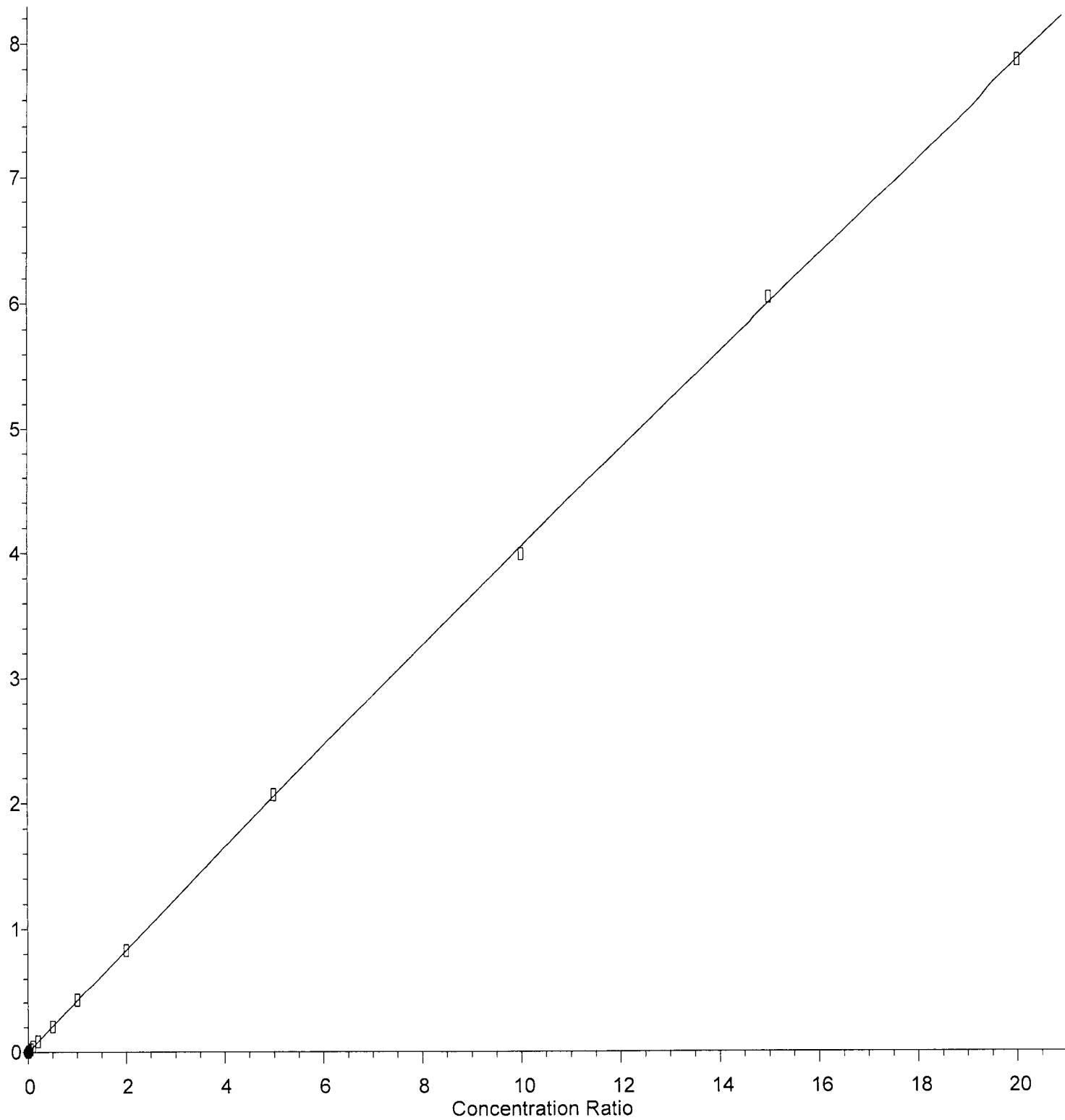
Response Ratio



Response = $2.063e-001 * Amt + 2.258e-004$
Coef of Det (r^2) = 0.998585 Curve Fit: $wlr(1/a^2)$
Method Name: D:\Methods\Inst13\VB112222ms13.M
Calibration Table Last Updated: Wed Nov 23 09:07:37 2022

Tetrachloroethene

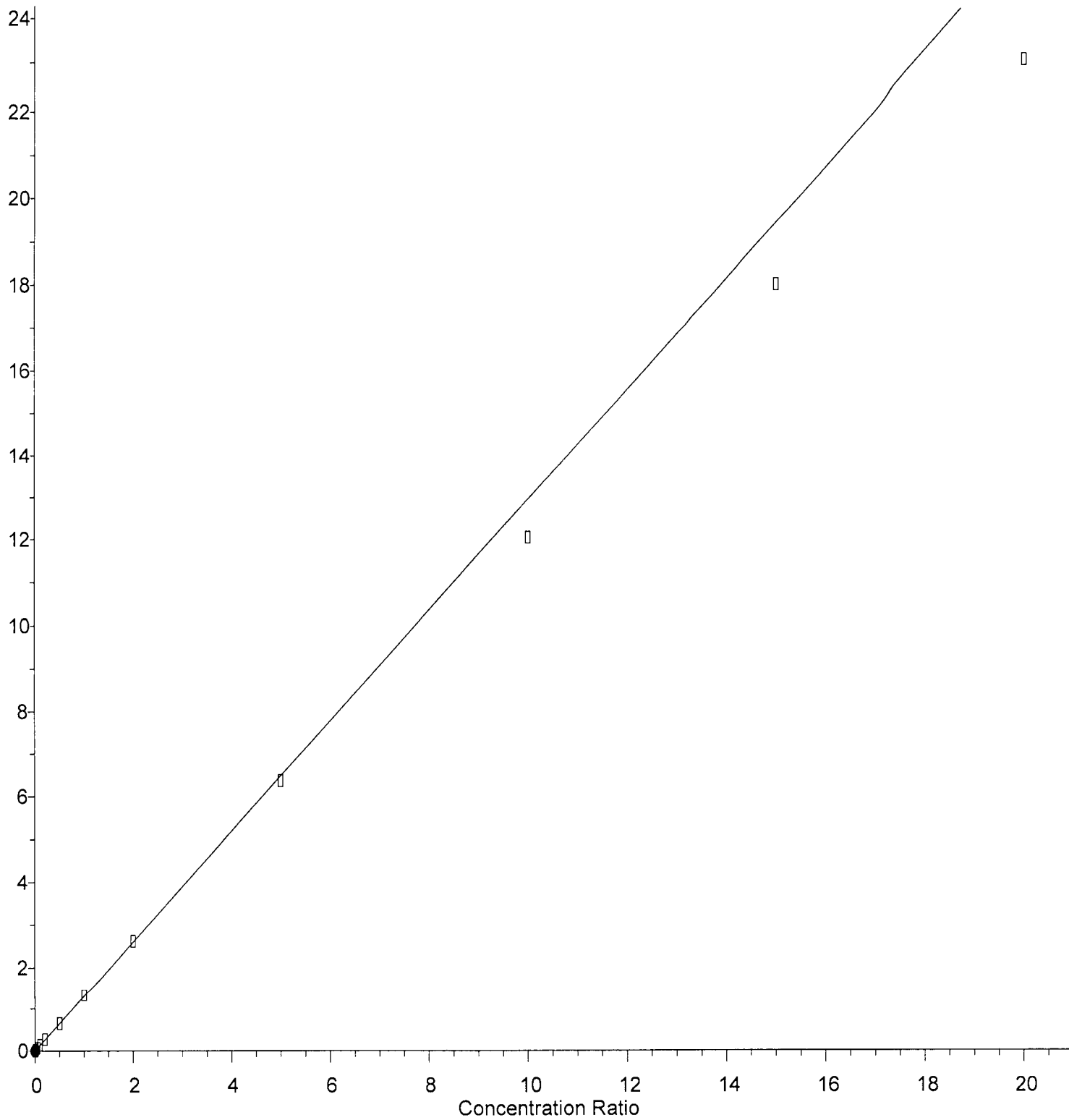
Response Ratio



$R = -1.045e-003 A^2 + 4.159e-001 A + 7.539e-004$
Coef of Det (r^2) = 0.999925 Curve Fit: Quadratic w(1/a)
Method Name: D:\Methods\Inst13\VB112222ms13.M
Calibration Table Last Updated: Wed Nov 23 09:07:37 2022

Ethylbenzene

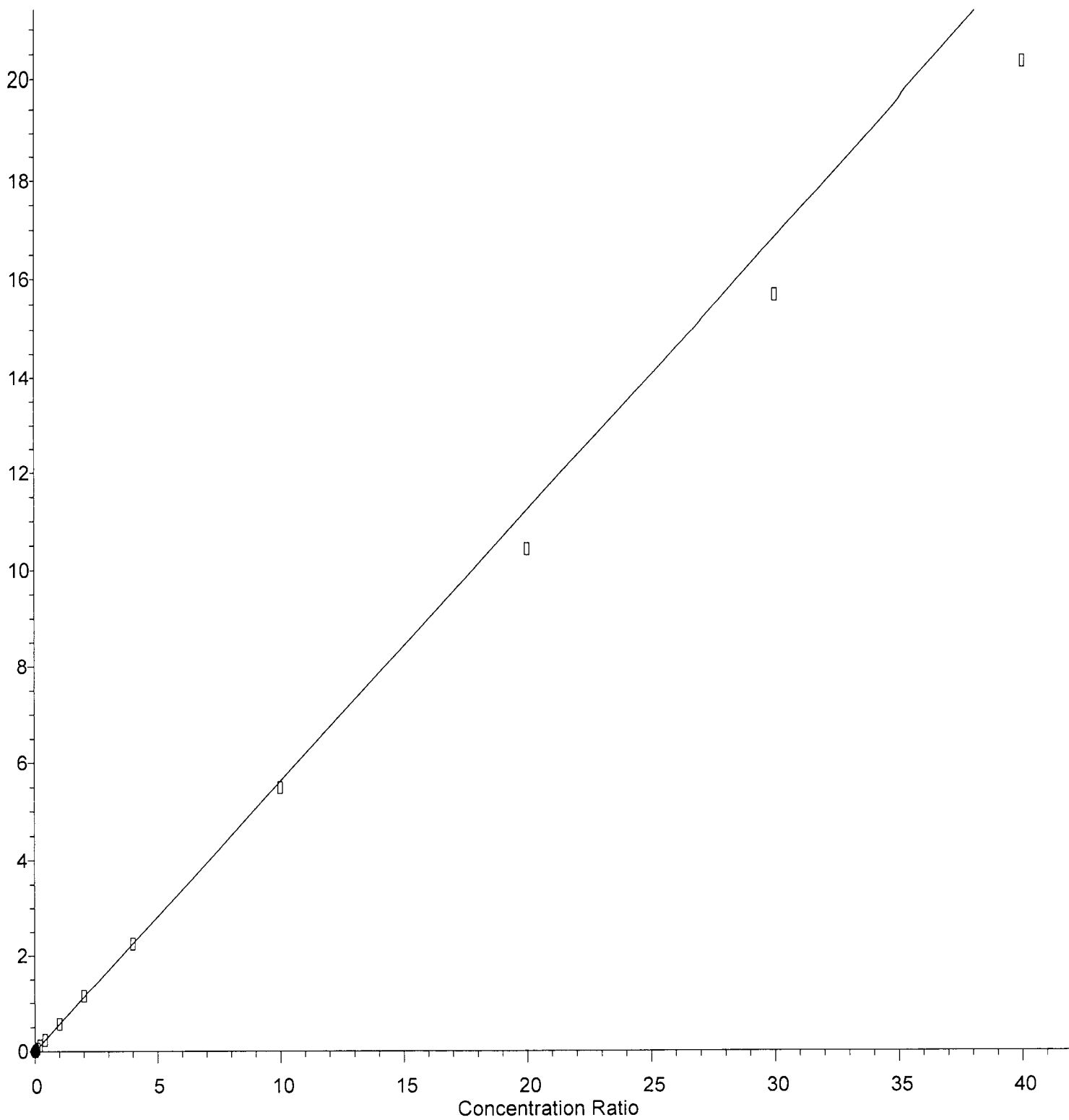
Response Ratio



Response = 1.296e+000 * Amt + 9.648e-004
Coef of Det (r^2) = 0.996842 Curve Fit: wlr(1/a^2)
Method Name: D:\Methods\Inst13\VB11222ms13.M
Calibration Table Last Updated: Wed Nov 23 09:07:37 2022

m,p-Xylene

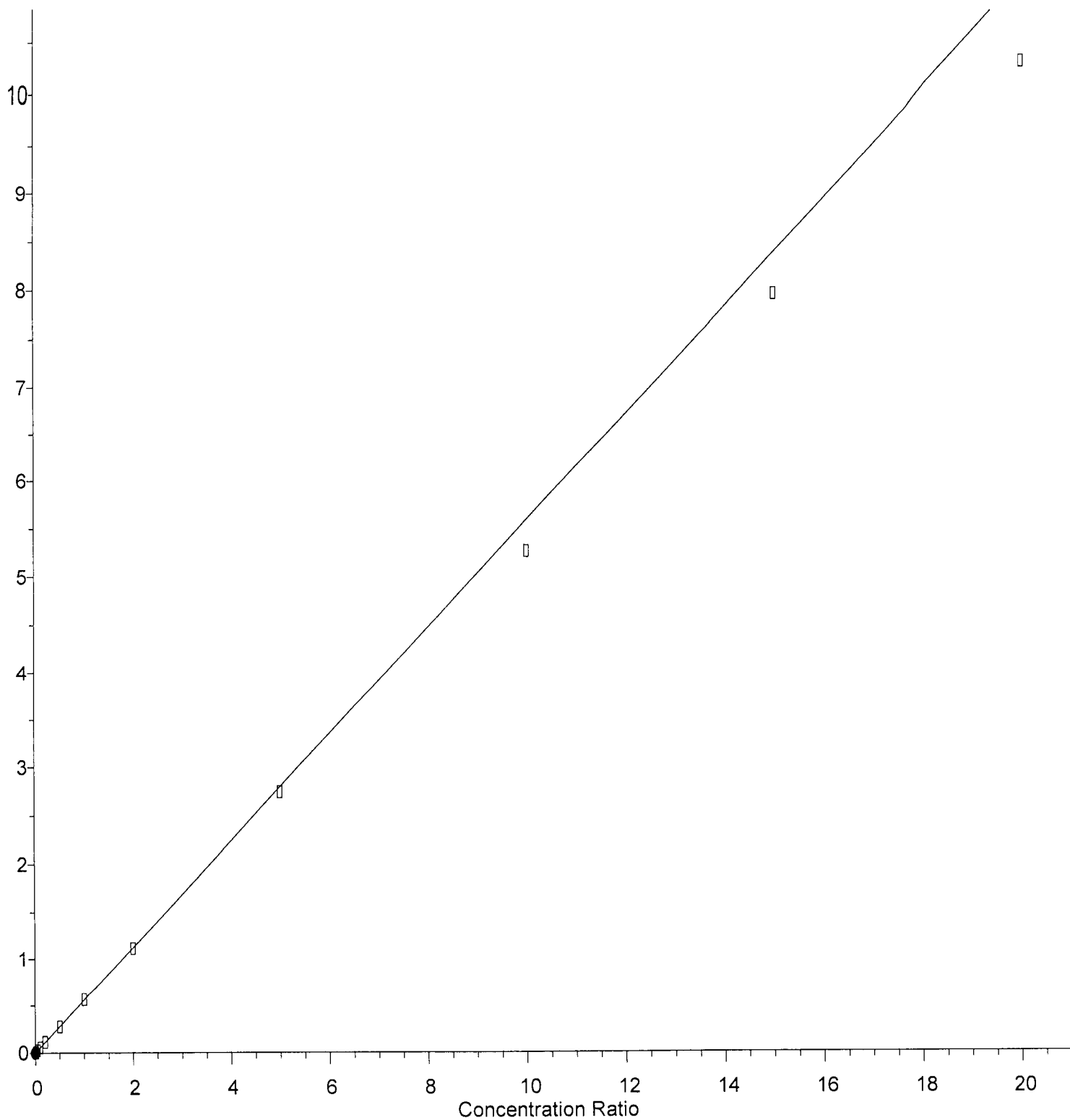
Response Ratio



Response = 5.617e-001 * Amt + 9.287e-004
Coef of Det (r^2) = 0.996888 Curve Fit: wlr(1/a^2)
Method Name: D:\Methods\Inst13\VB11222ms13.M
Calibration Table Last Updated: Wed Nov 23 09:07:37 2022

o-Xylene

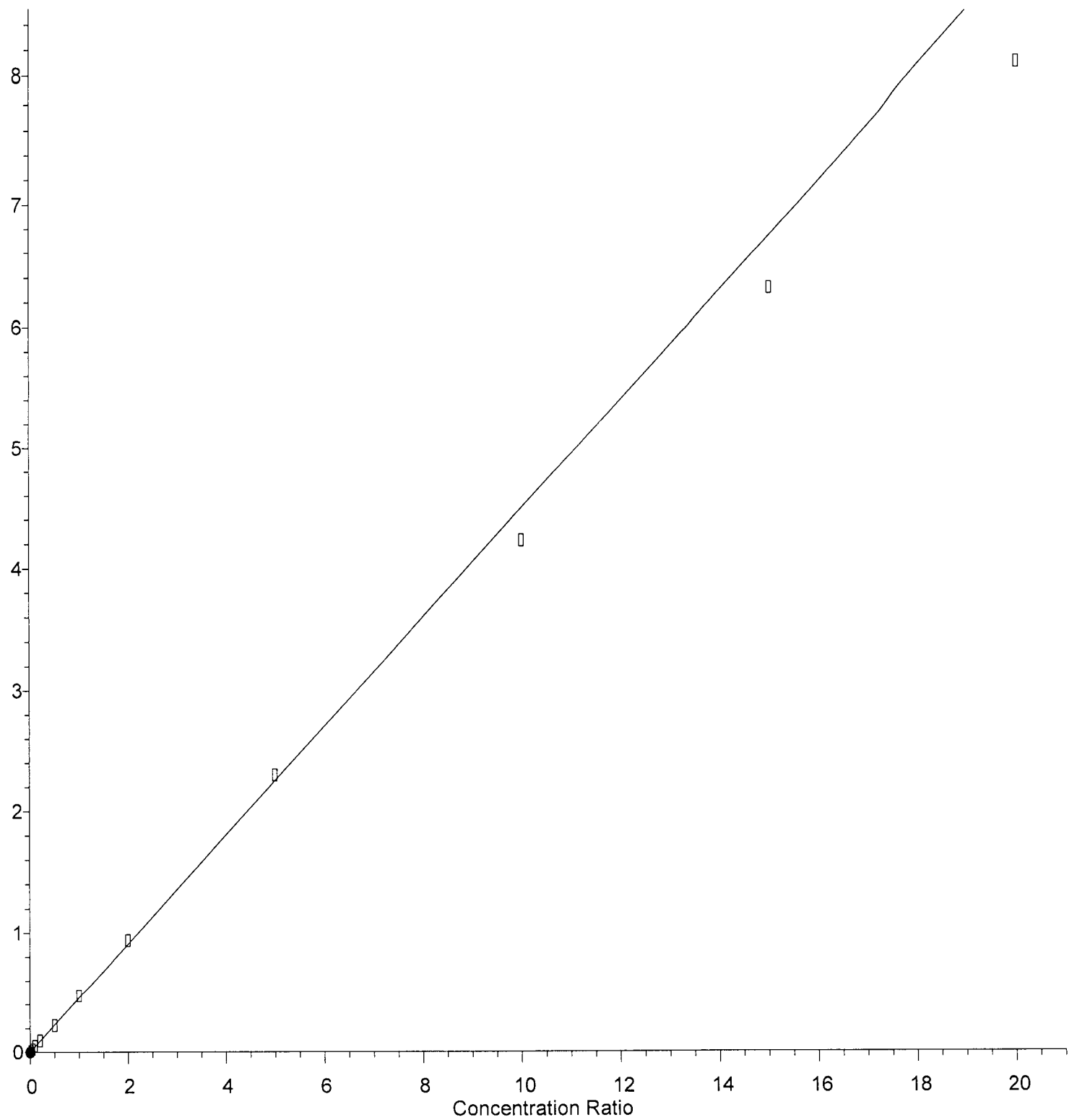
Response Ratio



Response = 5.593e-001 * Amt + 4.520e-004
Coef of Det (r^2) = 0.998029 Curve Fit: wlr(1/a^2)
Method Name: D:\Methods\Inst13\VB11222ms13.M
Calibration Table Last Updated: Wed Nov 23 09:07:37 2022

1,1,2,2-Tetrachloroethane

Response Ratio

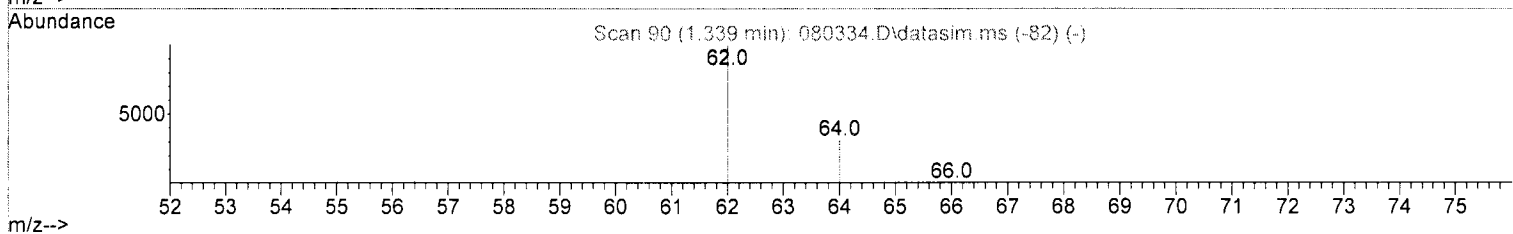
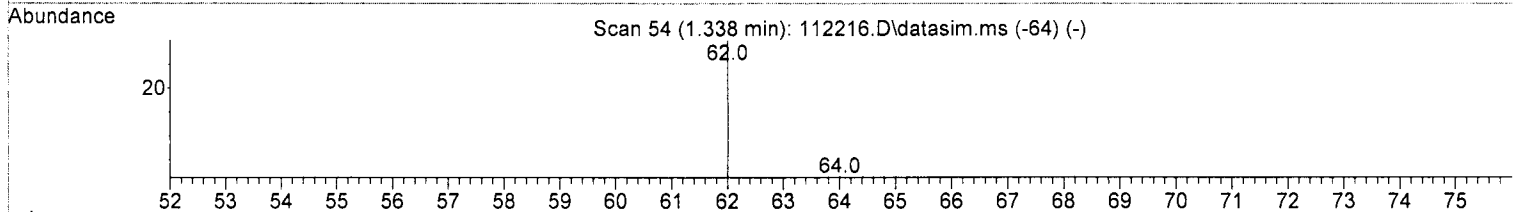
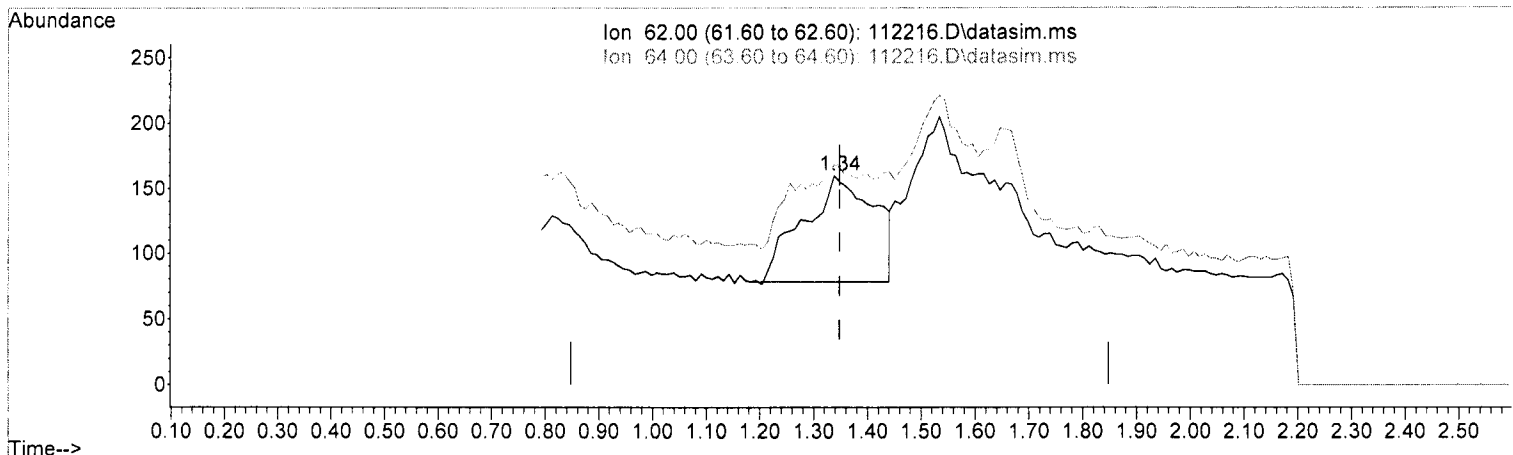


Response = $4.496e-001 * Amt + 2.924e-003$
Coef of Det (r^2) = 0.994834 Curve Fit: $wlr(1/a^2)$
Method Name: D:\Methods\Inst13\VB112222ms13.M
Calibration Table Last Updated: Wed Nov 23 09:07:37 2022

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-22-22\
 Data File : 112216.D
 Acq On : 22 Nov 2022 07:14 pm
 Operator : LM
 Sample : 0.02 ppb 8260 ICAL 68-4F
 Misc : soil/water
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 29 16:03:07 2022
 Quant Method : D:\Methods\Inst13\VB11222ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed Nov 23 09:07:37 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 112216.D\data.ms

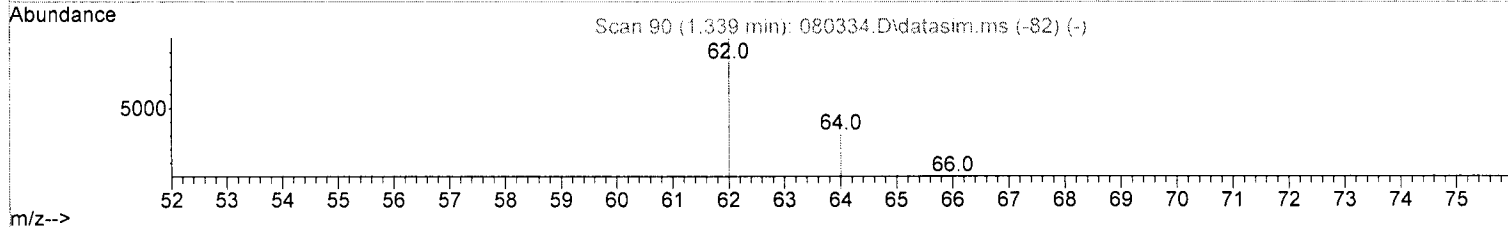
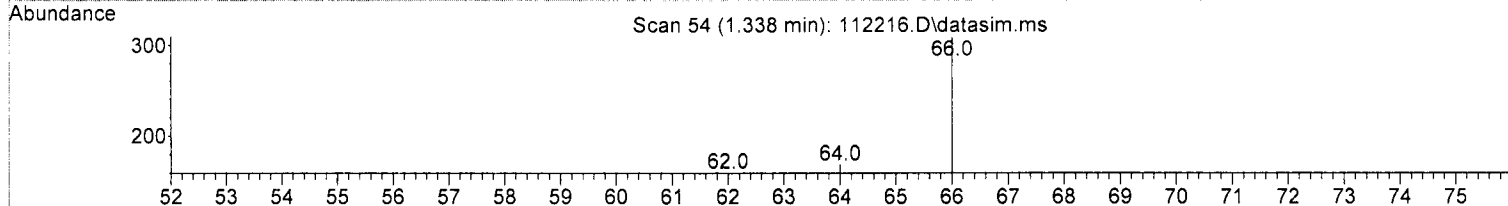
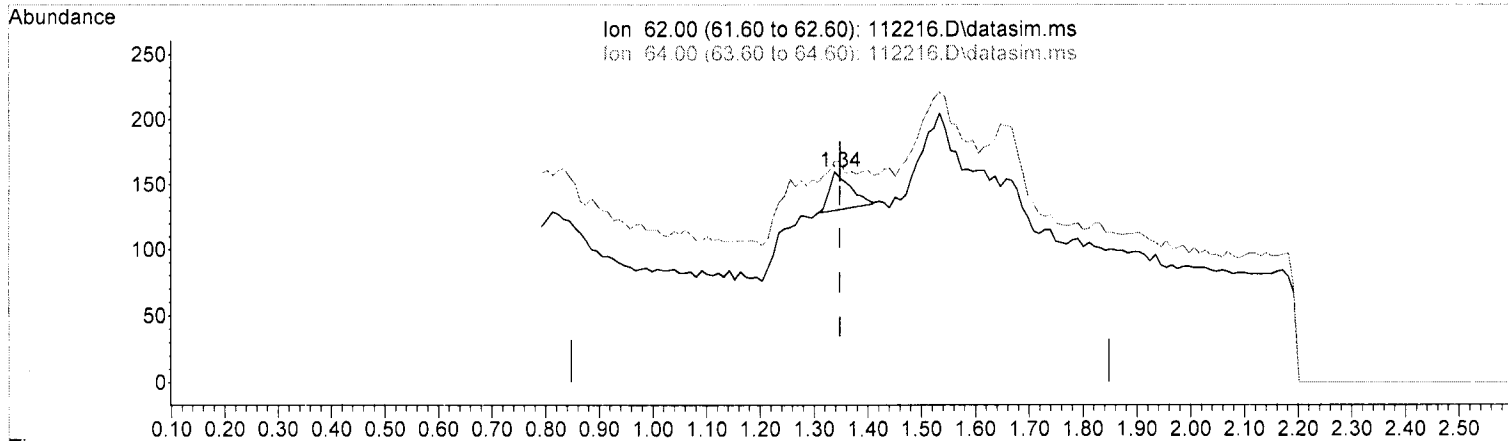
(6) Vinyl chloride (TMP)		
1.338min (-0.010)	0.185 ppb	
response	746	
Ion	Exp%	Act%
62.00	100.00	100.00
64.00	33.40	74.39#
0.00	0.00	0.00
0.00	0.00	0.00

Handwritten notes: 11/29 JLM

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-22-22\
 Data File : 112216.D
 Acq On : 22 Nov 2022 07:14 pm
 Operator : LM
 Sample : 0.02 ppb 8260 ICAL 68-4F
 Misc : soil/water
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 29 16:03:07 2022
 Quant Method : D:\Methods\Inst13\VB112222ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed Nov 23 09:07:37 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 112216.D\data.ms

(6) Vinyl chloride (TMP)
 1.338min (-0.010) 0.020 ppb m

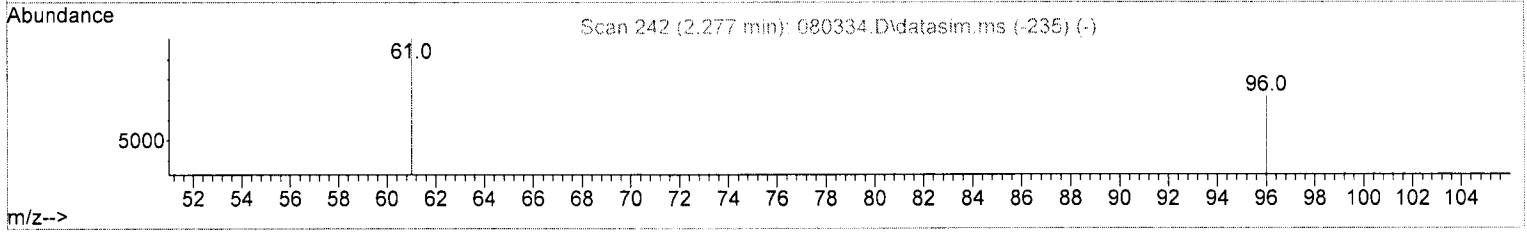
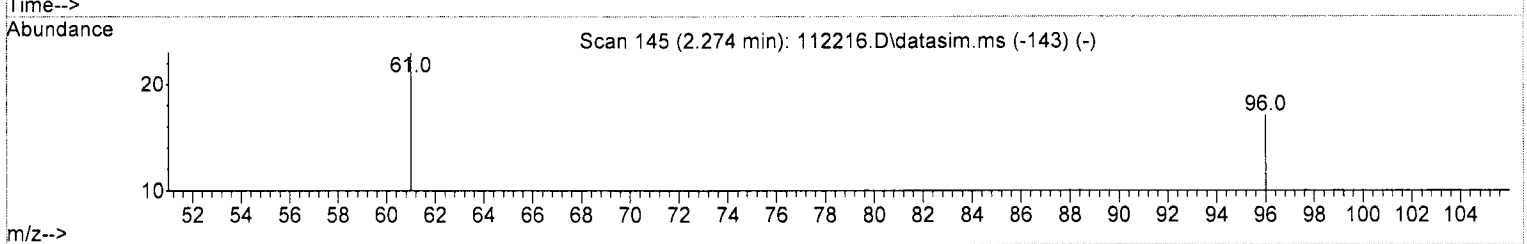
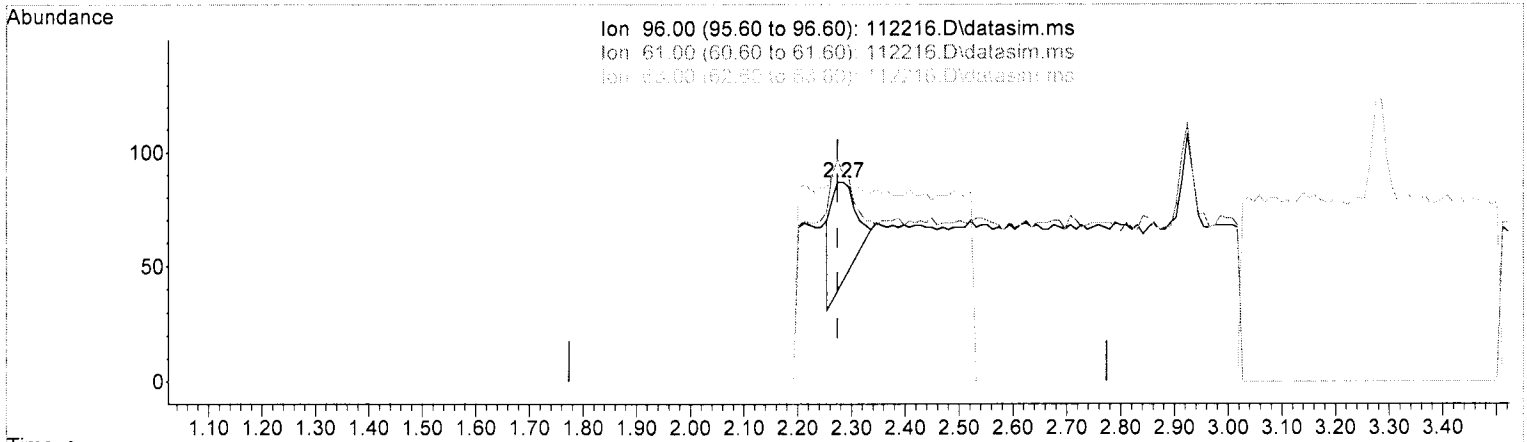
response	82
Ion	Exp% Act%
62.00	100.00 100.00
64.00	33.40 105.00#
0.00	0.00 0.00
0.00	0.00 0.00

1/2m Jan

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-22-22\
 Data File : 112216.D
 Acq On : 22 Nov 2022 07:14 pm
 Operator : LM
 Sample : 0.02 ppb 8260 ICAL 68-4F
 Misc : soil/water
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 29 16:03:07 2022
 Quant Method : D:\Methods\Inst13\VB112222ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed Nov 23 09:07:37 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 112216.D\data.ms

(12) 1,1-Dichloroethene (TMP)

2.274min (+ 0.000) 0.055 ppb

response 142

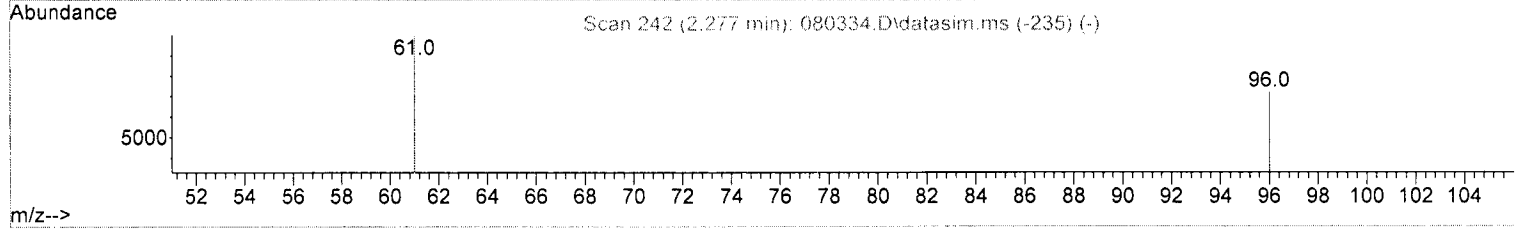
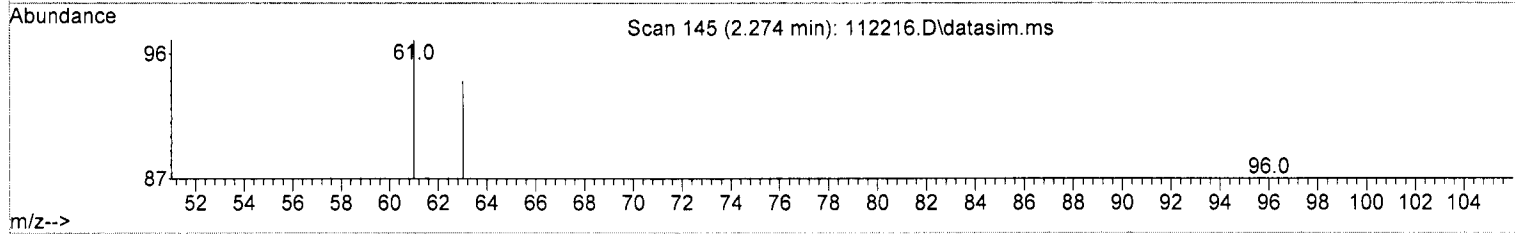
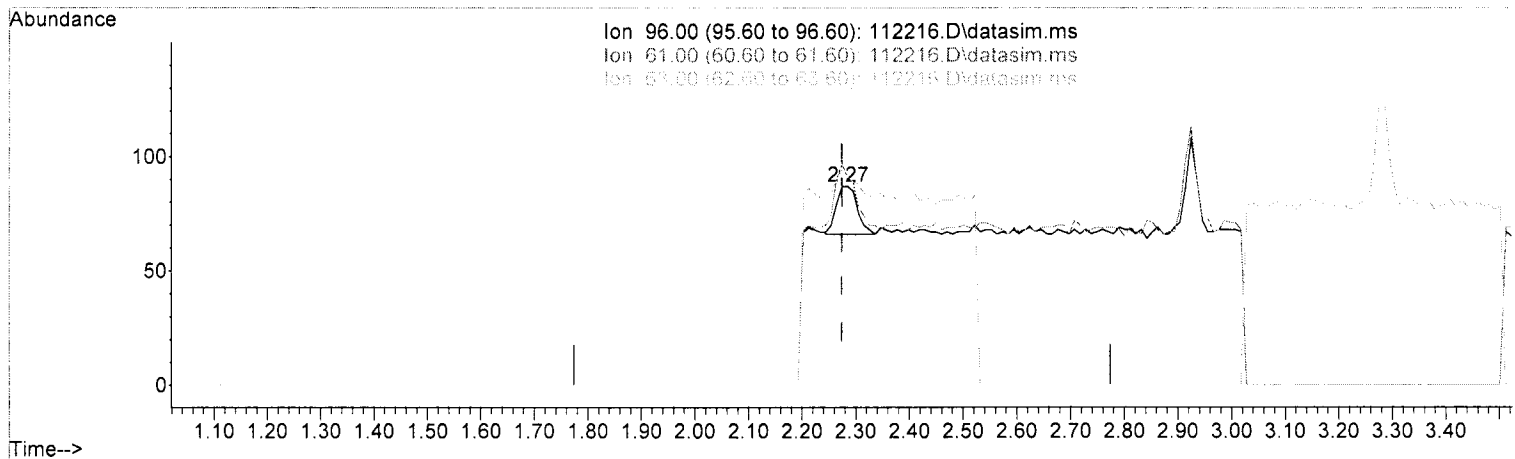
11/29 LM

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	125.30	128.57
63.00	42.80	57.14
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-22-22\
 Data File : 112216.D
 Acq On : 22 Nov 2022 07:14 pm
 Operator : LM
 Sample : 0.02 ppb 8260 ICAL 68-4F
 Misc : soil/water
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 29 16:03:07 2022
 Quant Method : D:\Methods\Inst13\VB112222ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed Nov 23 09:07:37 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 112216.D\data.ms

(12) 1,1-Dichloroethene (TMP)
 2.274min (+ 0.000) 0.022 ppb m
 response 57

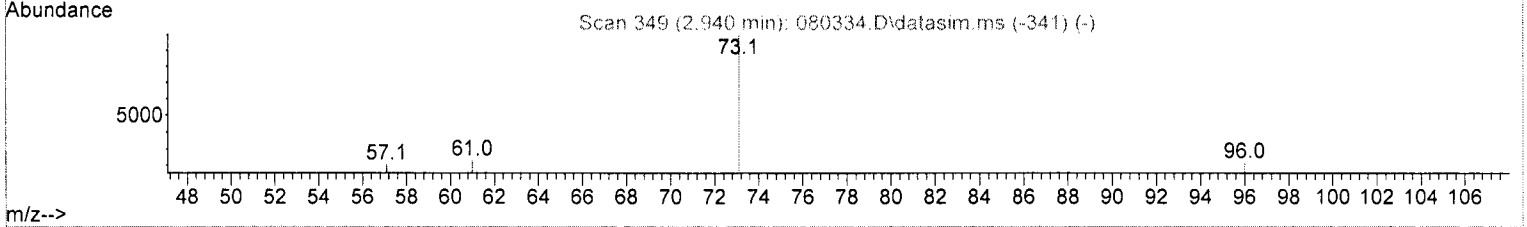
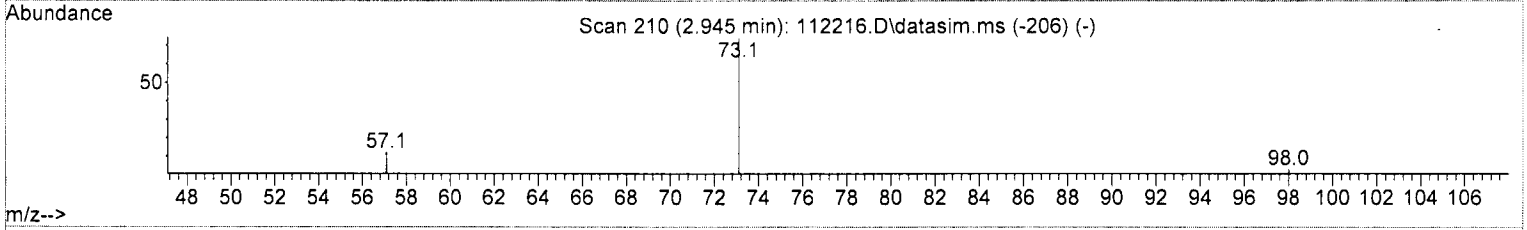
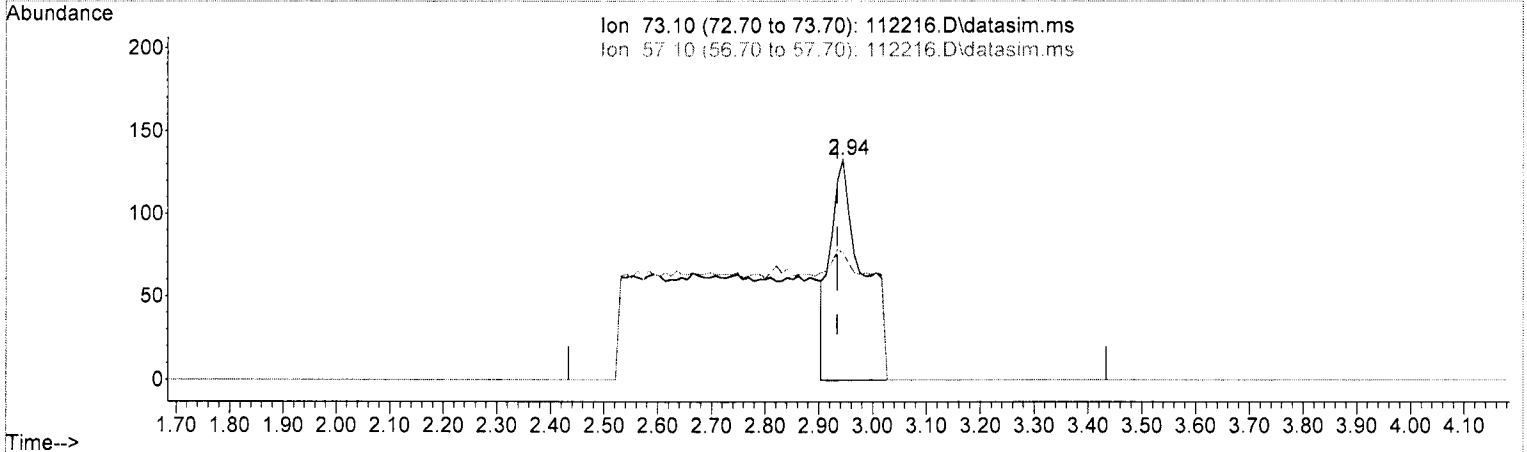
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	125.30	111.49
63.00	42.80	108.05#
0.00	0.00	0.00

11/29 LM

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-22-22\
 Data File : 112216.D
 Acq On : 22 Nov 2022 07:14 pm
 Operator : LM
 Sample : 0.02 ppb 8260 ICAL 68-4F
 Misc : soil/water
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 29 16:03:07 2022
 Quant Method : D:\Methods\Inst13\VB112222ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed Nov 23 09:07:37 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 112216.D\data.ms

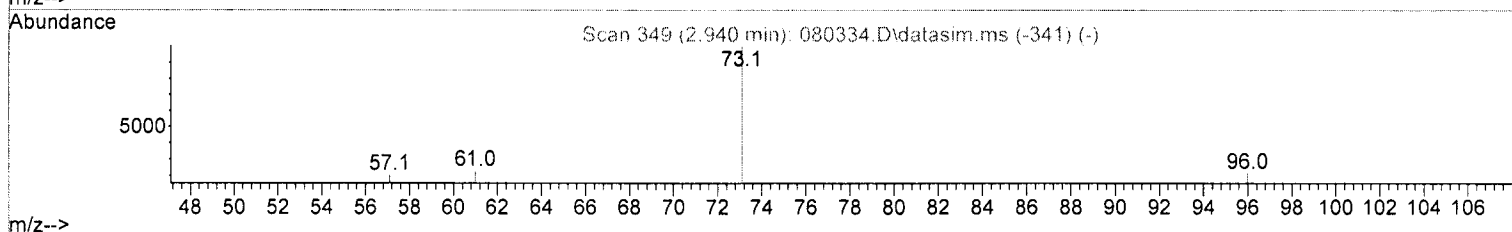
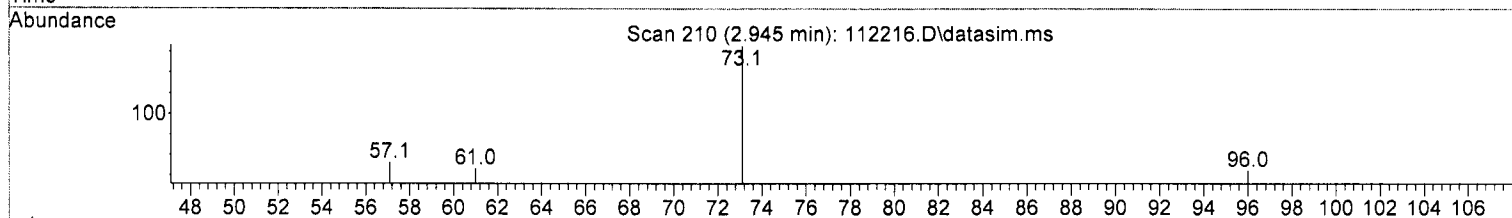
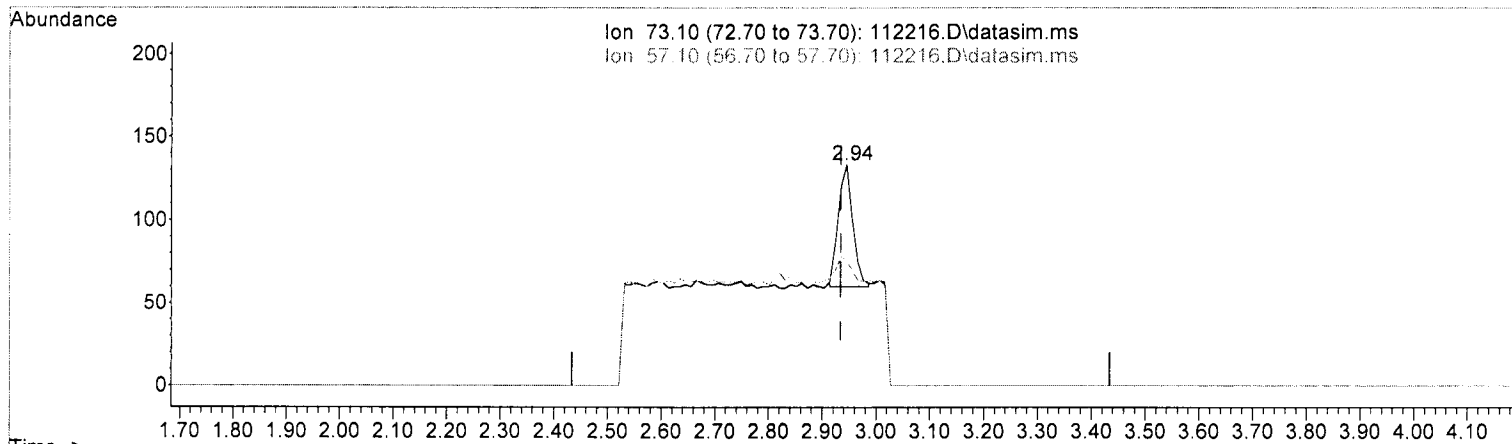
(16) Methyl t-butyl ether (MTBE) (TMP)		
2.945min (+ 0.011)	0.080 ppb	
response	552	
Ion	Exp%	Act%
73.10	100.00	100.00
57.10	19.60	57.14#
0.00	0.00	0.00
0.00	0.00	0.00

M/ra QM

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-22-22\
 Data File : 112216.D
 Acq On : 22 Nov 2022 07:14 pm
 Operator : LM
 Sample : 0.02 ppb 8260 ICAL 68-4F
 Misc : soil/water
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 29 16:03:07 2022
 Quant Method : D:\Methods\Inst13\VB112222ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed Nov 23 09:07:37 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 112216.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

2.945min (+ 0.011) 0.020 ppb m

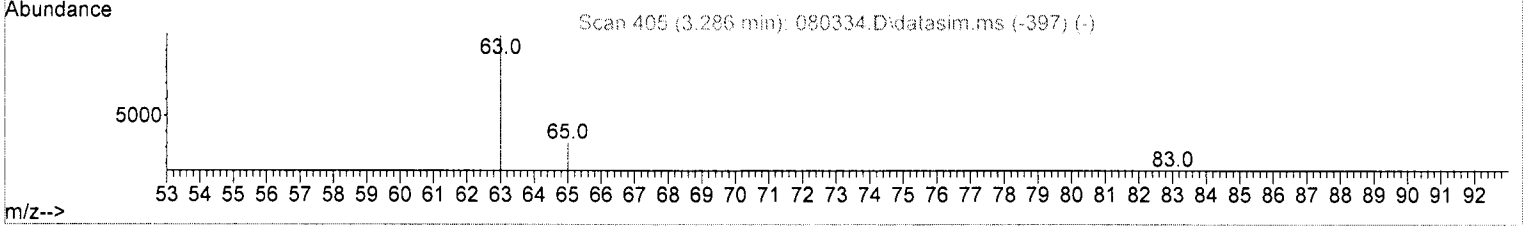
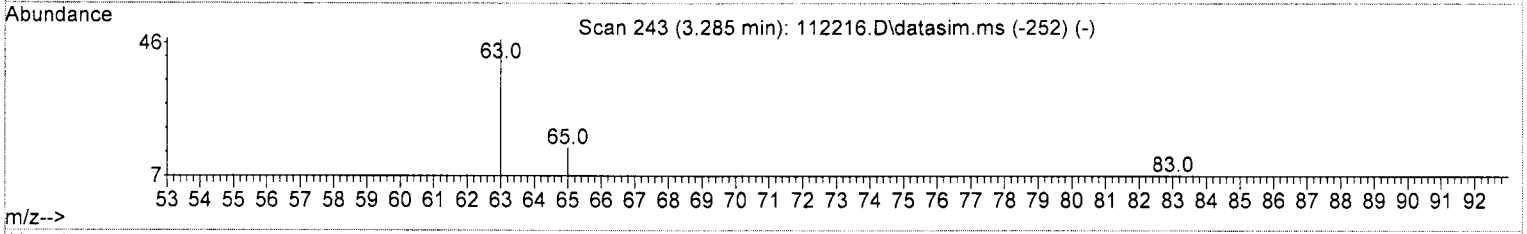
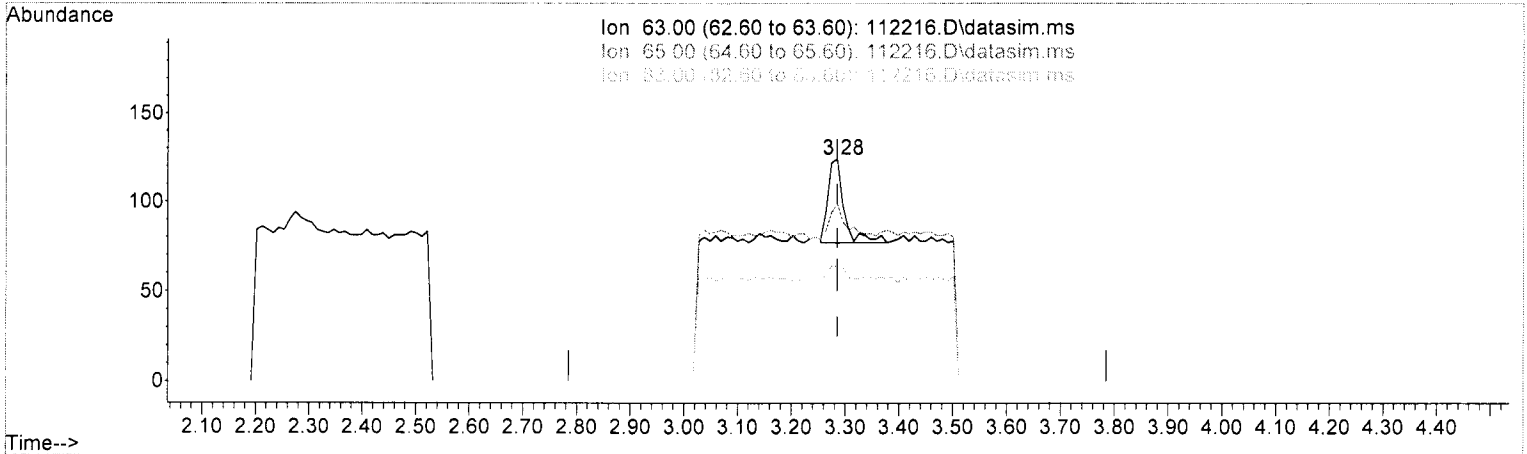
response	137		
Ion	Exp%	Act%	
73.10	100.00	100.00	
57.10	19.60	57.14#	
0.00	0.00	0.00	
0.00	0.00	0.00	

w/29 DM

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-22-22\
 Data File : 112216.D
 Acq On : 22 Nov 2022 07:14 pm
 Operator : LM
 Sample : 0.02 ppb 8260 ICAL 68-4F
 Misc : soil/water
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 29 16:03:07 2022
 Quant Method : D:\Methods\Inst13\VB112222ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed Nov 23 09:07:37 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 112216.D\data.ms

(19) 1,1-Dichloroethane (TMP)

3.285min (-0.000) 0.024 ppb

response 97

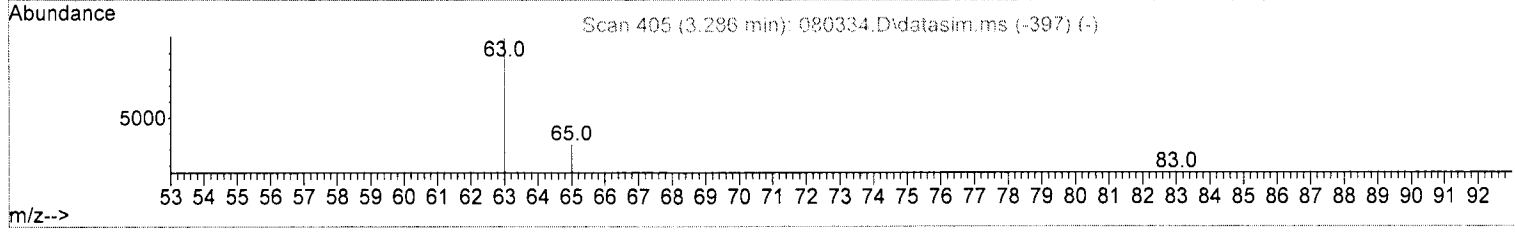
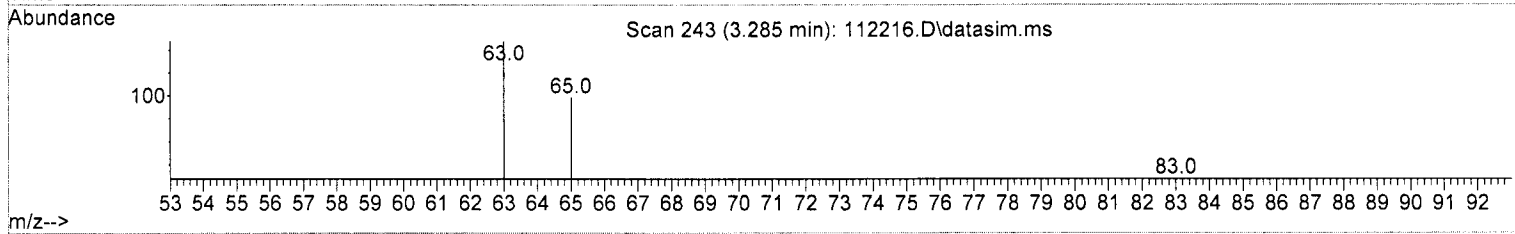
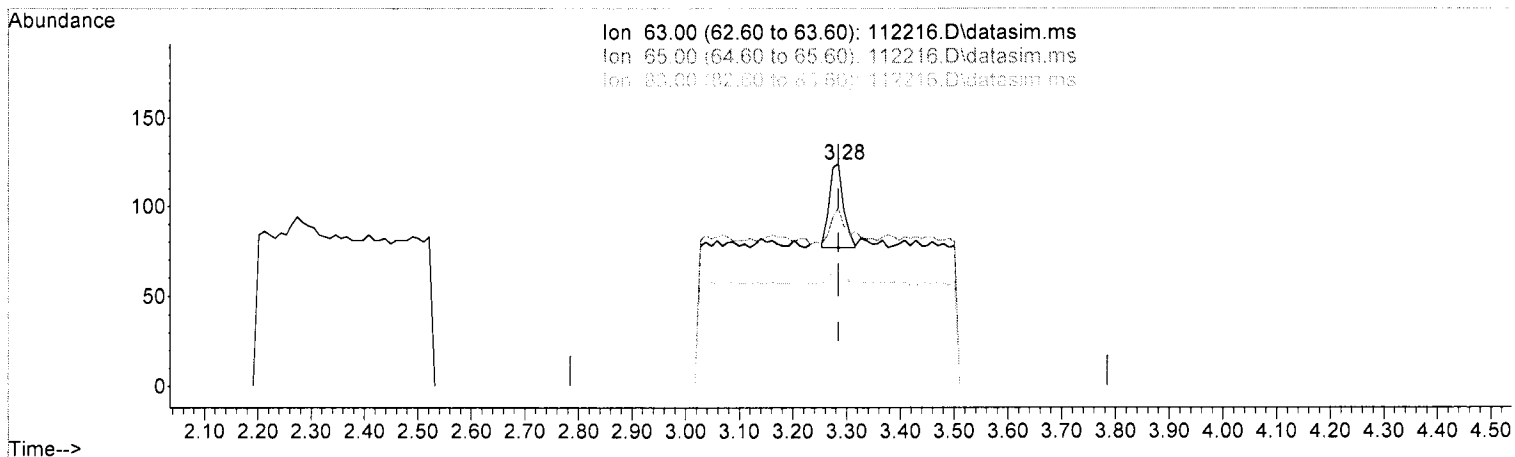
Ion	Exp%	Act%
63.00	100.00	100.00
65.00	33.50	42.55
83.00	18.50	14.89
0.00	0.00	0.00

11/29 LM

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-22-22\
 Data File : 112216.D
 Acq On : 22 Nov 2022 07:14 pm
 Operator : LM
 Sample : 0.02 ppb 8260 ICAL 68-4F
 Misc : soil/water
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 29 16:03:07 2022
 Quant Method : D:\Methods\Inst13\VB112222ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed Nov 23 09:07:37 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 112216.D\data.ms

(19) 1,1-Dichloroethane (TMP)
 3.285min (-0.000) 0.021 ppb m

response	86
Ion	Exp% Act%
63.00	100.00 100.00
65.00	33.50 79.84#
83.00	18.50 51.61#
0.00	0.00 0.00

11/29 LM

Data Path : D:\Proc_GCMS13\11-22-22\
 Data File : 112216.D
 Acq On : 22 Nov 2022 07:14 pm
 Operator : LM
 Sample : 0.02 ppb 8260 ICAL 68-4F
 Misc : soil/water
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 29 16:03:07 2022
 Quant Method : D:\Methods\Inst13\VB112222ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed Nov 23 09:07:37 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2 TMP	Ethanol	-1.000	0.000	0.0	0	-2.34#
3 S	Dibromofluoromethane	10.000	9.203	8.0	100	0.00
4 TMP	Dichlorodifluoromethane	-1.000	0.017	0.0	0	0.00
5 TMP	Chloromethane	-1.000	0.106	0.0	0	-0.03
6 TMP	Vinyl chloride	0.020	0.020	0.0	100	-0.01
7 TMP	Bromomethane	-1.000	0.000	0.0	0	-1.60#
8 TMP	Chloroethane	-1.000	0.000	0.0	0	-1.67#
9 TMP	Trichlorofluoromethane	-1.000	0.009	0.0	0	0.01
10 TMP	2-Propanol	-1.000	0.000	0.0	0	-2.34#
11 TMP	Acetone	-1.000	0.000	0.0	0	-2.33#
12 TMP	1,1-Dichloroethene	0.020	0.022	-10.0	100	0.00
13 TMP	Hexane	-1.000	0.026	0.0	0	-0.01
14 TMP	Methylene chloride	-1.000	-1.000	0.0	0	0.00
15 TMP	t-Butyl alcohol (TBA)	-1.000	0.000	0.0	0	-2.83#
16 TMP	Methyl t-butyl ether (MTBE)	0.020	0.020	0.0	96	0.01
17 TMP	trans-1,2-Dichloroethene	0.020	0.019	5.0	100	0.00
18 TMP	Diisopropyl ether (DIPE)	-1.000	0.040	0.0	0	0.01
19 TMP	1,1-Dichloroethane	0.020	0.021	-5.0	89	0.00
20 TMP	Ethyl t-butyl ether (ETBE)	-1.000	0.000	0.0	0	-3.66#
21 TMP	2,2-Dichloropropane	-1.000	0.089	0.0	0	-0.01
22 TMP	cis-1,2-Dichloroethene	0.020	0.024	-20.0	100	0.00
23 TMP	Chloroform	-1.000	0.000	0.0	0	-4.04#
24 TMP	2-Butanone (MEK)	-1.000	0.000	0.0	0	-3.79#
25 TMP	t-Amyl methyl ether (TAME)	-1.000	0.000	0.0	0	-4.61#
26 TMP	1,2-Dichloroethane (EDC)	0.020	0.021	-5.0	100	0.00
27 TMP	1,1,1-Trichloroethane	0.020	0.021	-5.0	100	0.00
28 TMP	1,1-Dichloropropene	-1.000	0.000	0.0	0	-4.33#
29 TMP	Carbon tetrachloride	-1.000	0.034	0.0	0	-0.01
30 S	1,2-Dichloroethane-d4	10.000	9.500	5.0	100	0.00
31 TMP	Benzene	0.020	0.023	-15.0	100	0.00
32 TMP	Trichloroethene	0.020	0.021	-5.0	100	0.00
33 TMP	1,2-Dichloropropane	-1.000	0.039	0.0	0	0.00
34 TMP	Bromodichloromethane	-1.000	0.000	0.0	0	-5.48#
35 S	Toluene-d8	10.000	9.306	6.9	100	0.00
36 TMP	Dibromomethane	-1.000	0.000	0.0	0	-5.35#
37 TMP	4-Methyl-2-pentanone	-1.000	0.000	0.0	0	-6.02#
38 TMP	cis-1,3-Dichloropropene	-1.000	0.000	0.0	0	-5.88#
39 I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40 TMP	Toluene	0.020	0.020	0.0	100	0.00
41 TMP	trans-1,3-Dichloropropene	-1.000	0.066	0.0	0	-0.09
42 TMP	1,1,2-Trichloroethane	0.020	0.020	0.0	100	0.00
43 TMP	2-Hexanone	-1.000	0.000	0.0	0	-6.76#

Data Path : D:\Proc_GCMS13\11-22-22\
 Data File : 112216.D
 Acq On : 22 Nov 2022 07:14 pm
 Operator : LM
 Sample : 0.02 ppb 8260 ICAL 68-4F
 Misc : soil/water
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 29 16:03:07 2022
 Quant Method : D:\Methods\Inst13\VB11222ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed Nov 23 09:07:37 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP 1,3-Dichloropropane	-1.000	0.000	0.0	0	-6.68#
45	TMP Tetrachloroethene	0.020	0.018	10.0	100	0.00
46	TMP Dibromochloromethane	-1.000	0.032	0.0	0	0.00
47	TMP 1,2-Dibromoethane (EDB)	0.020	0.022	-10.0	100	0.00
48	TMP Chlorobenzene	-1.000	0.026	0.0	0	0.00
49	TMP Ethylbenzene	0.020	0.020	0.0	100	0.00
50	TMP 1,1,1,2-Tetrachloroethane	-1.000	0.016	0.0	0	0.00
51	TMP m,p-Xylene	0.040	0.039	2.5	100	0.00
52	TMP o-Xylene	0.020	0.020	0.0	100	0.00
53	TMP Styrene	-1.000	0.026	0.0	0	0.00
54	TMP Isopropylbenzene	-1.000	0.032	0.0	0	0.00
55	TMP Bromoform	-1.000	0.000	0.0	0	-8.20#
56	I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S 4-Bromofluorobenzene	10.000	10.288	-2.9	100	0.00
58	TMP n-Propylbenzene	-1.000	0.019	0.0	0	0.18
59	TMP Bromobenzene	-1.000	0.012	0.0	0	0.00
60	TMP 1,3,5-Trimethylbenzene	-1.000	0.029	0.0	0	0.00
61	TMP 1,1,2,2-Tetrachloroethane	-1.000	0.000	0.0	0	-8.65#
62	TMP 1,2,3-Trichloropropane	-1.000	0.000	0.0	0	-8.70#
63	TMP 2-Chlorotoluene	-1.000	0.033	0.0	0	0.11
64	TMP 4-Chlorotoluene	-1.000	0.027	0.0	0	0.00
65	TMP tert-Butylbenzene	-1.000	0.026	0.0	0	0.00
66	TMP 1,2,4-Trimethylbenzene	-1.000	0.033	0.0	0	0.00
67	TMP sec-Butylbenzene	-1.000	0.025	0.0	0	0.00
68	TMP p-Isopropyltoluene	-1.000	0.029	0.0	0	0.00
69	TMP 1,3-Dichlorobenzene	-1.000	0.034	0.0	0	0.08
70	TMP 1,4-Dichlorobenzene	-1.000	0.035	0.0	0	0.00
71	TMP 1,2-Dichlorobenzene	-1.000	0.012	0.0	0	0.00
72	TMP 1,2-Dibromo-3-chloropropane	-1.000	0.000	0.0	0	-10.77#
73	TMP 1,2,4-Trichlorobenzene	-1.000	0.023	0.0	0	0.00
74	TMP Hexachlorobutadiene	-1.000	0.008	0.0	0	0.00
75	TMP Naphthalene	-1.000	0.000	0.0	0	-11.83#
76	TMP 1,2,3-Trichlorobenzene	-1.000	0.005	0.0	0	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Data Path : D:\Proc_GCMS13\11-22-22\
 Data File : 112216.D
 Acq On : 22 Nov 2022 07:14 pm
 Operator : LM
 Sample : 0.02 ppb 8260 ICAL 68-4F
 Misc : soil/water
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 29 16:03:07 2022
 Quant Method : D:\Methods\Inst13\VB112222ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed Nov 23 09:07:37 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2 TMP	Ethanol	0.000	0.000#	0.0	0#	-2.34#
3 S	Dibromofluoromethane	0.332	0.305	8.1	100	0.00
4 TMP	Dichlorodifluoromethane	0.625	0.000#	100.0#	0#	0.00
5 TMP	Chloromethane	0.403	0.000#	100.0#	0#	-0.03
6 TMP	Vinyl chloride	0.394	0.400	-1.5	100	-0.01
7 TMP	Bromomethane	0.383	0.000#	100.0#	0#	-1.60#
8 TMP	Chloroethane	0.223	0.000#	100.0#	0#	-1.67#
9 TMP	Trichlorofluoromethane	1.059	0.000#	100.0#	0#	0.01
10 TMP	2-Propanol	0.000	0.000	0.0	0#	-2.34#
11 TMP	Acetone	0.025	0.000#	100.0#	0#	-2.33#
12 TMP	1,1-Dichloroethene	0.252	0.278	-10.3	100	0.00
13 TMP	Hexane	0.270	0.000#	100.0#	0#	-0.01
14 TMP	Methylene chloride	0.298	0.000#	100.0#	0#	0.00
15 TMP	t-Butyl alcohol (TBA)	0.026	0.000#	100.0#	0#	-2.83#
16 TMP	Methyl t-butyl ether (MTBE)	0.672	0.668	0.6	96	0.01
17 TMP	trans-1,2-Dichloroethene	0.290	0.283	2.4	100	0.00
18 TMP	Diisopropyl ether (DIPE)	0.572	0.000#	100.0#	0#	0.01
19 TMP	1,1-Dichloroethane	0.394	0.420	-6.6	89	0.00
20 TMP	Ethyl t-butyl ether (ETBE)	0.305	0.000#	100.0#	0#	-3.66#
21 TMP	2,2-Dichloropropane	0.319	0.000#	100.0#	0#	-0.01
22 TMP	cis-1,2-Dichloroethene	0.324	0.385	-18.8	100	0.00
23 TMP	Chloroform	0.487	0.000#	100.0#	0#	-4.04#
24 TMP	2-Butanone (MEK)	0.120	0.000#	100.0#	0#	-3.79#
25 TMP	t-Amyl methyl ether (TAME)	0.614	0.000#	100.0#	0#	-4.61#
26 TMP	1,2-Dichloroethane (EDC)	0.412	0.712	-72.8#	100	0.00
27 TMP	1,1,1-Trichloroethane	0.520	0.546	-5.0	100	0.00
28 TMP	1,1-Dichloropropene	0.338	0.000#	100.0#	0#	-4.33#
29 TMP	Carbon tetrachloride	0.549	0.000#	100.0#	0#	-0.01
30 S	1,2-Dichloroethane-d4	0.061	0.058	4.9	100	0.00
31 TMP	Benzene	0.944	1.098	-16.3	100	0.00
32 TMP	Trichloroethene	0.354	0.464	-31.1#	100	0.00
33 TMP	1,2-Dichloropropane	0.211	0.000#	100.0#	0#	0.00
34 TMP	Bromodichloromethane	0.373	0.000#	100.0#	0#	-5.48#
35 S	Toluene-d8	0.967	0.900	6.9	100	0.00
36 TMP	Dibromomethane	0.203	0.000#	100.0#	0#	-5.35#
37 TMP	4-Methyl-2-pentanone	0.046	0.000#	100.0#	0#	-6.02#
38 TMP	cis-1,3-Dichloropropene	0.377	0.000#	100.0#	0#	-5.88#
39 I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40 TMP	Toluene	0.750	1.077	-43.6#	100	0.00
41 TMP	trans-1,3-Dichloropropene	0.377	0.000#	100.0#	0#	-0.09
42 TMP	1,1,2-Trichloroethane	0.221	0.318	-43.9#	100	0.00
43 TMP	2-Hexanone	0.168	0.000#	100.0#	0#	-6.76#

Data Path : D:\Proc_GCMS13\11-22-22\
 Data File : 112216.D
 Acq On : 22 Nov 2022 07:14 pm
 Operator : LM
 Sample : 0.02 ppb 8260 ICAL 68-4F
 Misc : soil/water
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 29 16:03:07 2022
 Quant Method : D:\Methods\Inst13\VB112222ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed Nov 23 09:07:37 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.356	0.000#	100.0#	0#	-6.68#
45 TMP Tetrachloroethene	0.462	0.754	-63.2#	100	0.00
46 TMP Dibromochloromethane	0.463	0.000#	100.0#	0#	0.00
47 TMP 1,2-Dibromoethane (EDB)	0.344	0.374	-8.7	100	0.00
48 TMP Chlorobenzene	0.950	0.000#	100.0#	0#	0.00
49 TMP Ethylbenzene	1.361	1.752	-28.7#	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.423	0.000#	100.0#	0#	0.00
51 TMP m,p-Xylene	0.593	0.777	-31.0#	100	0.00
52 TMP o-Xylene	0.590	0.777	-31.7#	100	0.00
53 TMP Styrene	0.860	0.000#	100.0#	0#	0.00
54 TMP Isopropylbenzene	1.373	0.000#	100.0#	0#	0.00
55 TMP Bromoform	0.326	0.000#	100.0#	0#	-8.20#
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	0.635	0.653	-2.8	100	0.00
58 TMP n-Propylbenzene	2.319	0.000#	100.0#	0#	0.18
59 TMP Bromobenzene	0.844	0.000#	100.0#	0#	0.00
60 TMP 1,3,5-Trimethylbenzene	1.903	0.000#	100.0#	0#	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.473	0.000#	100.0#	0#	-8.65#
62 TMP 1,2,3-Trichloropropane	0.370	0.000#	100.0#	0#	-8.70#
63 TMP 2-Chlorotoluene	1.374	0.000#	100.0#	0#	0.11
64 TMP 4-Chlorotoluene	1.629	0.000#	100.0#	0#	0.00
65 TMP tert-Butylbenzene	1.942	0.000#	100.0#	0#	0.00
66 TMP 1,2,4-Trimethylbenzene	1.964	0.000#	100.0#	0#	0.00
67 TMP sec-Butylbenzene	2.462	0.000#	100.0#	0#	0.00
68 TMP p-Isopropyltoluene	2.410	0.000#	100.0#	0#	0.00
69 TMP 1,3-Dichlorobenzene	1.491	0.000#	100.0#	0#	0.08
70 TMP 1,4-Dichlorobenzene	1.486	0.000#	100.0#	0#	0.00
71 TMP 1,2-Dichlorobenzene	1.416	0.000#	100.0#	0#	0.00
72 TMP 1,2-Dibromo-3-chloropropane	0.097	0.000#	100.0#	0#	-10.77#
73 TMP 1,2,4-Trichlorobenzene	0.944	0.000#	100.0#	0#	0.00
74 TMP Hexachlorobutadiene	0.565	0.000#	100.0#	0#	0.00
75 TMP Naphthalene	1.846	0.000#	100.0#	0#	-11.83#
76 TMP 1,2,3-Trichlorobenzene	0.804	0.000#	100.0#	0#	0.00

(#) = Out of Range

SPCC's out = 51 CCC's out = 0

Data Path : D:\Proc_GCMS13\11-22-22\
 Data File : 112216.D
 Acq On : 22 Nov 2022 07:14 pm
 Operator : LM
 Sample : 0.02 ppb 8260 ICAL 68-4F
 Misc : soil/water
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 29 16:03:07 2022
 Quant Method : D:\Methods\Inst13\VB112222ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed Nov 23 09:07:37 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	4.75	96	102478	10.000	ppb	0.00	
39) Chlorobenzene-d5	7.40	117	88183	10.000	ppb	0.00	
56) 1,4-Dichlorobenzene-d4	9.62	152	53393	10.000	ppb	0.00	
System Monitoring Compounds							
3) Dibromofluoromethane	4.17	113	31278	9.203	ppb	0.00	
Spiked Amount	10.000	Range 50 - 150	Recovery	=	92.00%		
30) 1,2-Dichloroethane-d4	4.45	102	5986	9.500	ppb	0.00	
Spiked Amount	10.000	Range 84 - 120	Recovery	=	95.00%		
35) Toluene-d8	6.10	98	92212	9.306	ppb	0.00	
Spiked Amount	10.000	Range 73 - 128	Recovery	=	93.10%		
57) 4-Bromofluorobenzene	8.51	95	34892	10.288	ppb	0.00	
Spiked Amount	10.000	Range 57 - 146	Recovery	=	102.90%		
Target Compounds							
							Qvalue
2) Ethanol	0.00		0	N.D.			
4) Dichlorodifluoromethane	1.12	85	109	N.D.			
5) Chloromethane	1.23	50	439	N.D.			
6] Vinyl chloride	1.34	62	82m	0.020	ppb		
7) Bromomethane	0.00		0	N.D.			
8) Chloroethane	0.00		0	N.D.			
9) Trichlorofluoromethane	1.88	101	96	N.D.			
10) 2-Propanol	0.00		0	N.D.			
11) Acetone	0.00		0	N.D.			
12] 1,1-Dichloroethene	2.27	96	57m	0.022	ppb		
13) Hexane	3.15	57	72	N.D.			
14) Methylene chloride	2.69	84	2733	Below Cal		90	
15) t-Butyl alcohol (TBA)	0.00		0	N.D.	d		
16] Methyl t-butyl ether (...)	2.94	73	137m	0.020	ppb		
17] trans-1,2-Dichloroethene	2.92	96	58	0.019	ppb	99	
18) Diisopropyl ether (DIPE)	3.36	45	233	N.D.			
19] 1,1-Dichloroethane	3.28	63	86m	0.021	ppb		
20) Ethyl t-butyl ether (E...)	0.00		0	N.D.			
21) 2,2-Dichloropropane	3.76	77	508	N.D.			
22] cis-1,2-Dichloroethene	3.77	96	79	0.024	ppb	94	
23) Chloroform	0.00		0	N.D.			
24) 2-Butanone (MEK)	0.00		0	N.D.	d		
25) t-Amyl methyl ether (T...)	0.00		0	N.D.			
26] 1,2-Dichloroethane (EDC)	4.53	62	146	0.021	ppb	97	
27] 1,1,1-Trichloroethane	4.19	97	112	0.021	ppb	91	
28) 1,1-Dichloropropene	0.00		0	N.D.			
29) Carbon tetrachloride	4.32	117	193	N.D.			
31] Benzene	4.50	78	225	0.023	ppb	94	
32] Trichloroethene	5.05	95	95	0.021	ppb	97	
33) 1,2-Dichloropropane	5.24	63	84	N.D.			
34) Bromodichloromethane	0.00		0	N.D.			
36) Dibromomethane	0.00		0	N.D.			

Data Path : D:\Proc_GCMS13\11-22-22\
 Data File : 112216.D
 Acq On : 22 Nov 2022 07:14 pm
 Operator : LM
 Sample : 0.02 ppb 8260 ICAL 68-4F
 Misc : soil/water
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS13

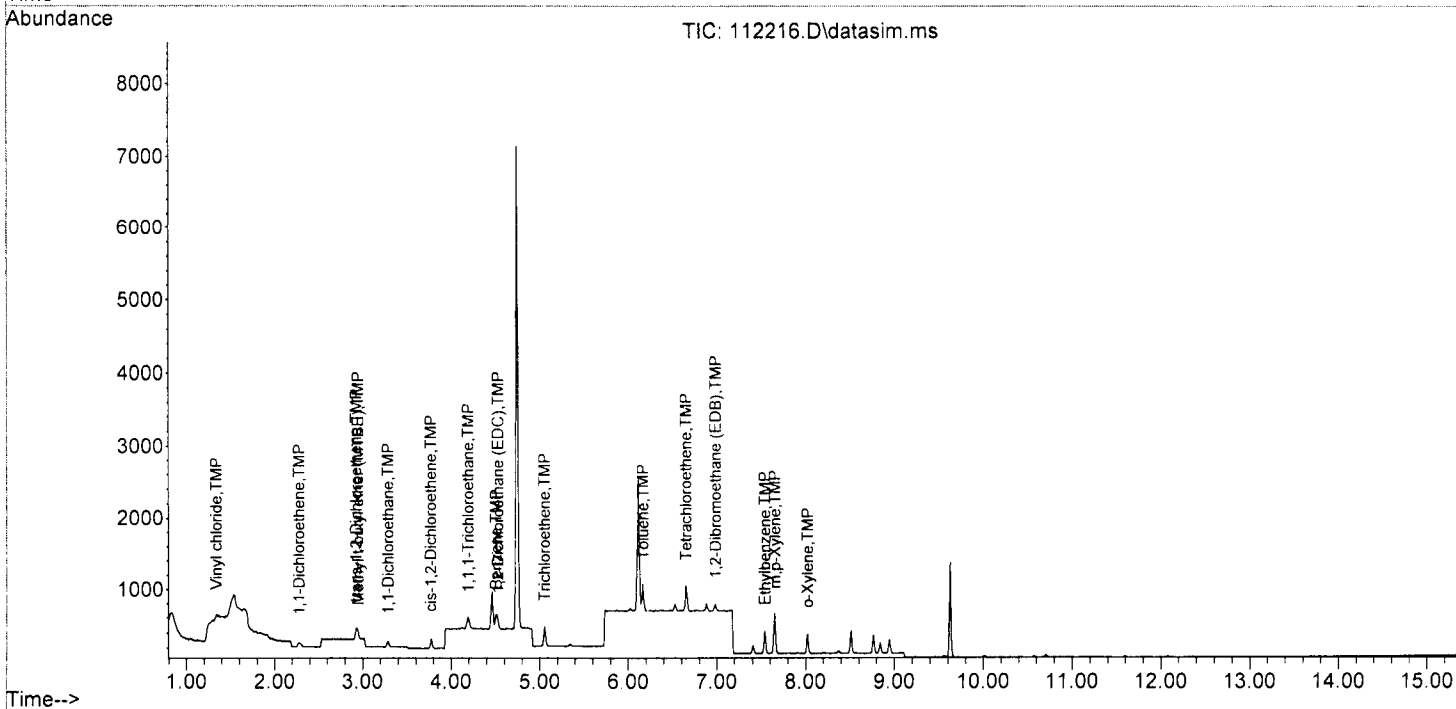
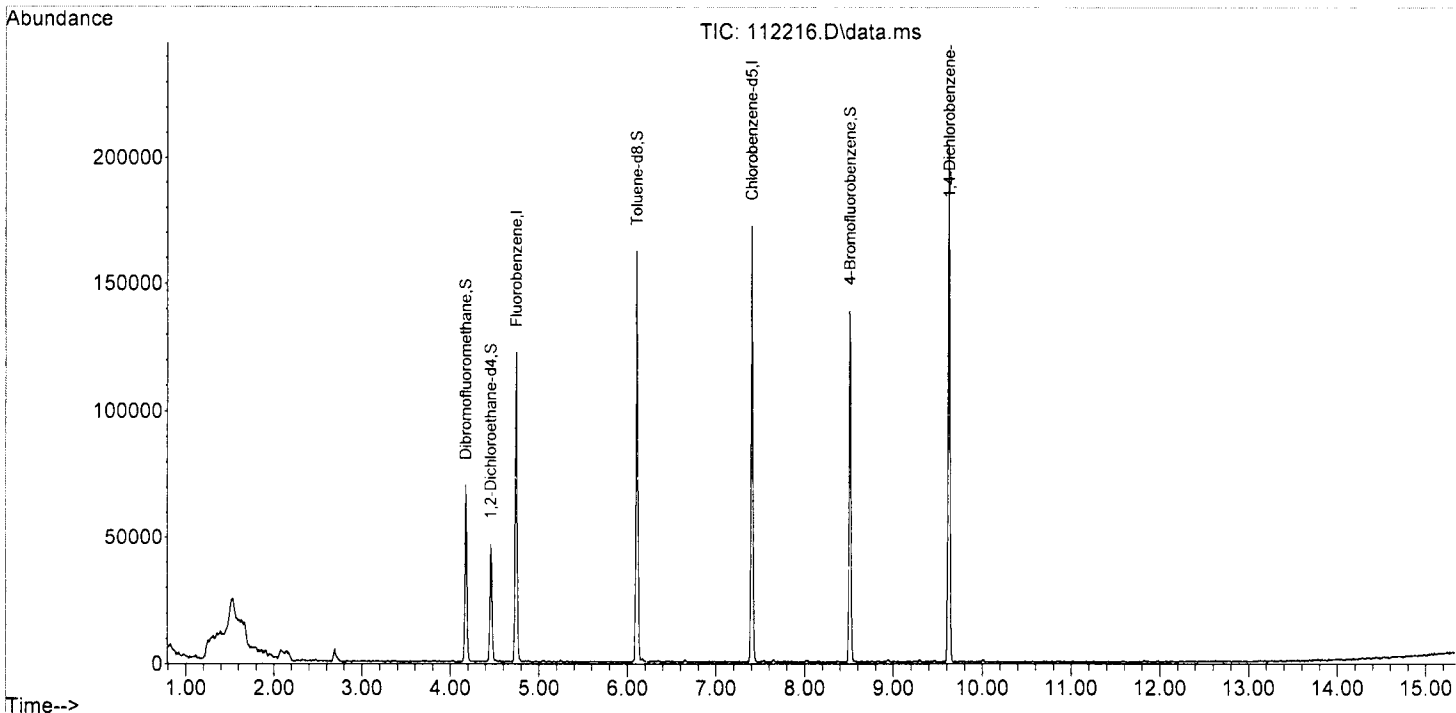
Quant Time: Nov 29 16:03:07 2022
 Quant Method : D:\Methods\Inst13\VB112222ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed Nov 23 09:07:37 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.00		0	N.D.		
38) cis-1,3-Dichloropropene	0.00		0	N.D.		
40] Toluene	6.16	92	190	0.020	ppb	92
41) trans-1,3-Dichloropropene	6.27	75	219	N.D.		
42) 1,1,2-Trichloroethane	6.53	83	56	N.D.		
43) 2-Hexanone	0.00		0	N.D.	d	
44) 1,3-Dichloropropane	0.00		0	N.D.		
45] Tetrachloroethene	6.65	164	133	0.018	ppb	99
46) Dibromochloromethane	6.88	129	132	N.D.		
47] 1,2-Dibromoethane (EDB)	6.98	107	66	0.022	ppb	87
48) Chlorobenzene	7.43	112	216	N.D.		
49] Ethylbenzene	7.54	91	309	0.020	ppb	99
50) 1,1,1,2-Tetrachloroethane	7.51	131	59	N.D.		
51] m,p-Xylene	7.65	106	274	0.039	ppb	98
52] o-Xylene	8.02	106	137	0.020	ppb	98
53) Styrene	8.03	104	199	N.D.		
54) Isopropylbenzene	8.37	105	385	N.D.		
55) Bromoform	0.00		0	N.D.		
58) n-Propylbenzene	8.95	91	239	N.D.		
59) Bromobenzene	8.65	156	56	N.D.		
60) 1,3,5-Trimethylbenzene	8.93	105	298	N.D.		
61) 1,1,2,2-Tetrachloroethane	0.00		0	N.D.		
62) 1,2,3-Trichloropropane	0.00		0	N.D.	d	
63) 2-Chlorotoluene	8.95	91	239	N.D.		
64) 4-Chlorotoluene	8.95	91	239	N.D.		
65) tert-Butylbenzene	9.25	119	268	N.D.		
66) 1,2,4-Trimethylbenzene	9.29	105	342	N.D.		
67) sec-Butylbenzene	9.46	105	335	N.D.		
68) p-Isopropyltoluene	9.60	119	373	N.D.		
69) 1,3-Dichlorobenzene	9.64	146	274	N.D.		
70) 1,4-Dichlorobenzene	9.64	146	274	N.D.		
71) 1,2-Dichlorobenzene	10.01	146	93	N.D.		
72) 1,2-Dibromo-3-chloropr...	0.00		0	N.D.		
73) 1,2,4-Trichlorobenzene	11.59	180	115	N.D.		
74) Hexachlorobutadiene	11.77	225	25	N.D.		
75) Naphthalene	0.00		0	N.D.	d	
76) 1,2,3-Trichlorobenzene	12.08	180	23	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS13\11-22-22\
 Data File : 112216.D
 Acq On : 22 Nov 2022 07:14 pm
 Operator : LM
 Sample : 0.02 ppb 8260 ICAL 68-4F
 Misc : soil/water
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS13

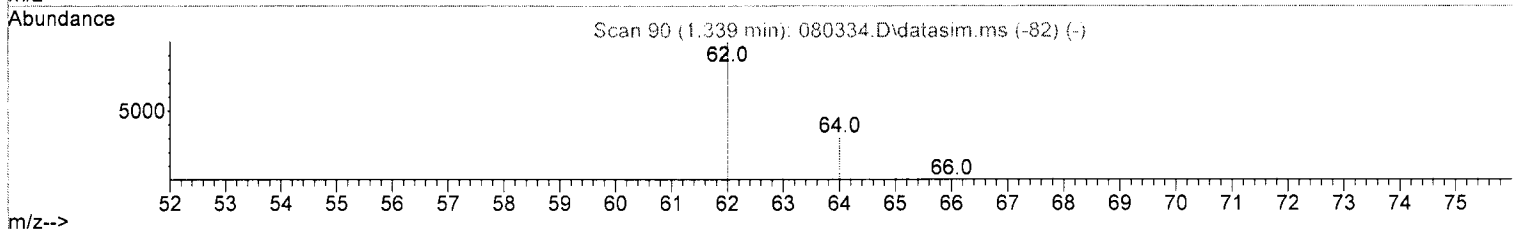
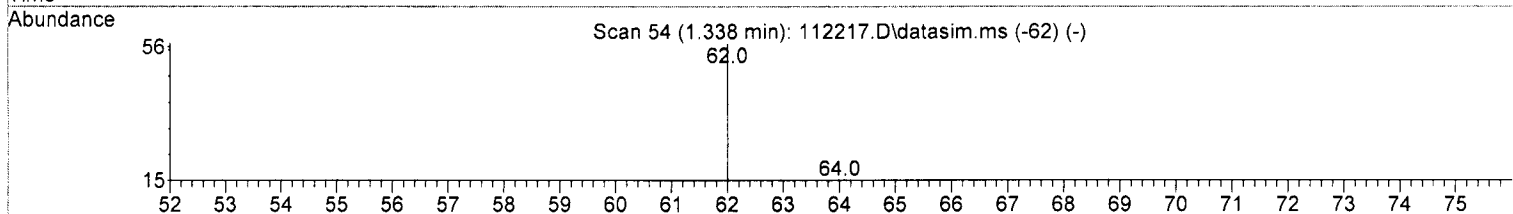
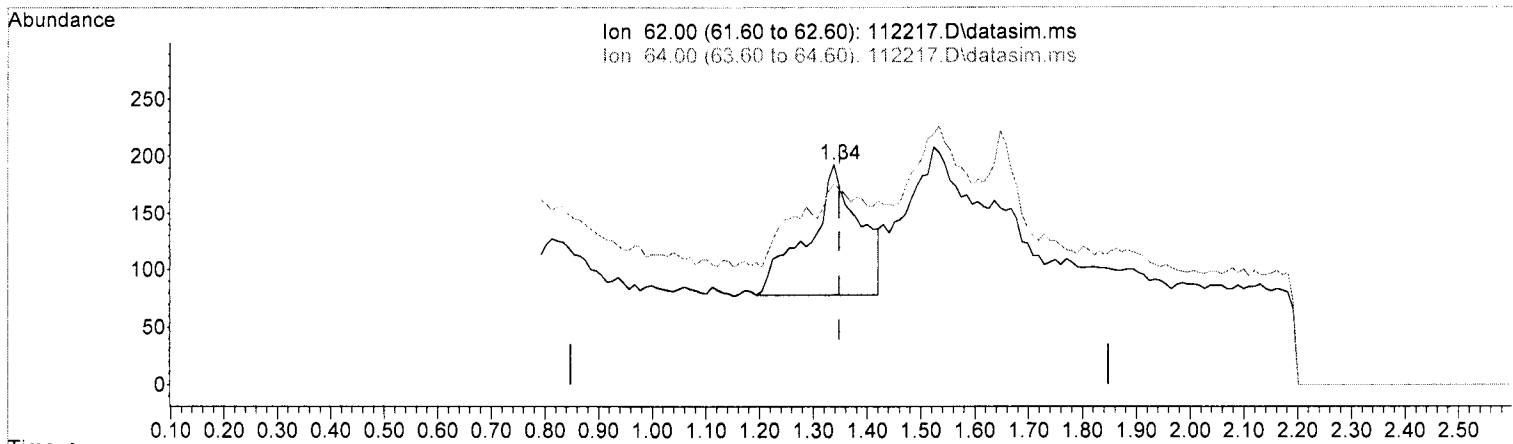
Quant Time: Nov 29 16:03:07 2022
 Quant Method : D:\Methods\Inst13\VB112222ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed Nov 23 09:07:37 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-22-22\
 Data File : 112217.D
 Acq On : 22 Nov 2022 07:37 pm
 Operator : LM
 Sample : 0.04 ppb 8260 ICAL 68-4G
 Misc : soil/water
 ALS Vial : 11 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 29 16:03:09 2022
 Quant Method : D:\Methods\Inst13\VB112222ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed Nov 23 09:07:37 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 112217.D\data.ms

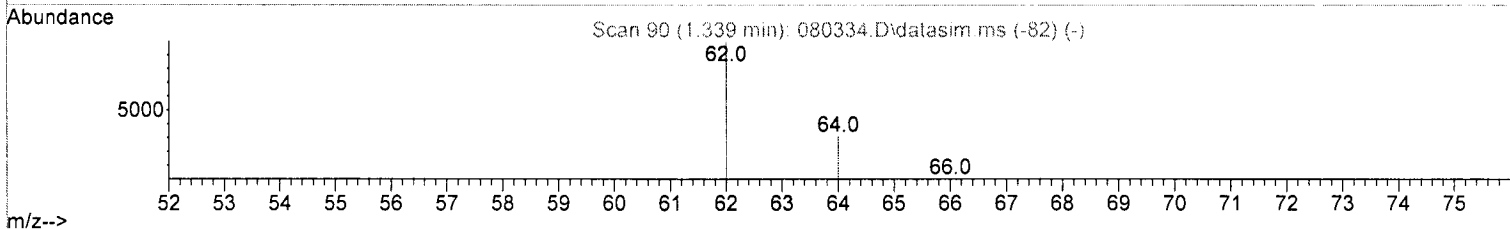
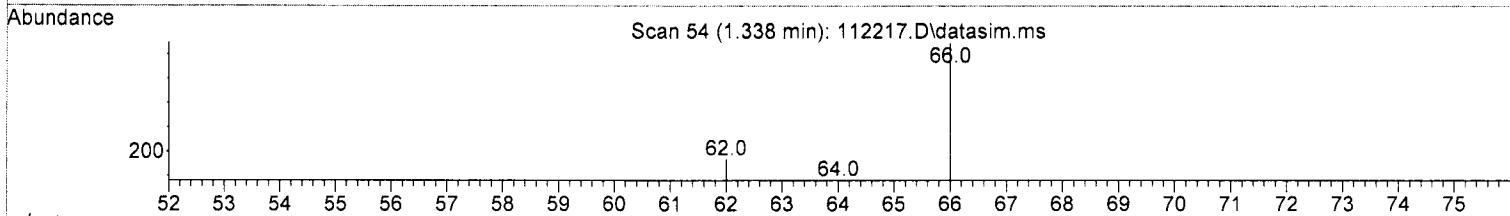
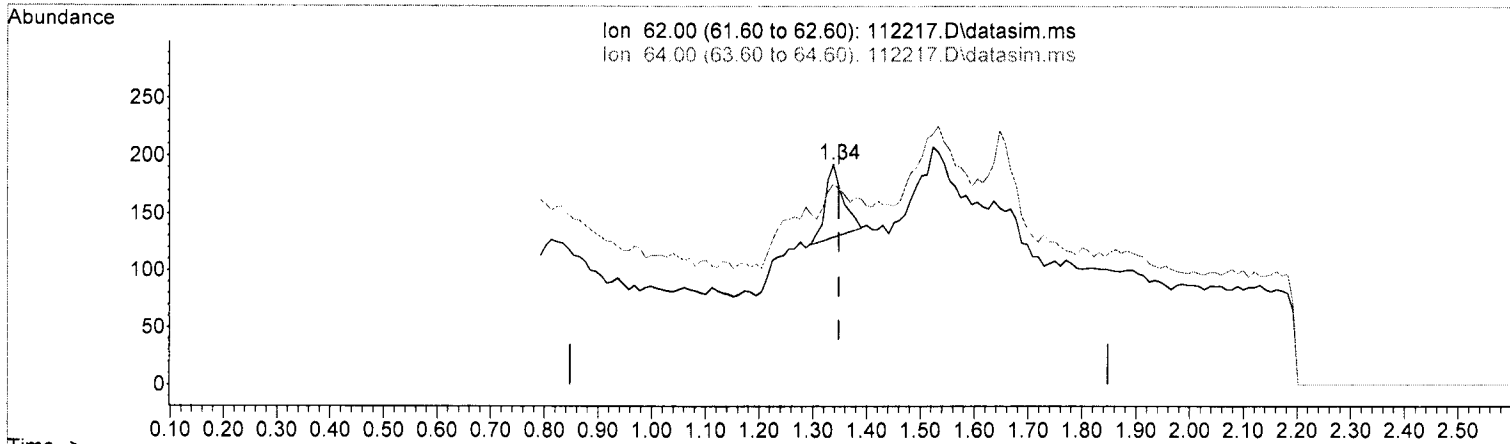
(6) Vinyl chloride (TME)		
1.338min (-0.010)	0.186	ppb
response	756	
Ion	Exp%	Act%
62.00	100.00	100.00
64.00	33.40	60.87
0.00	0.00	0.00
0.00	0.00	0.00

Handwritten notes: 11/29 [Signature]

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-22-22\
 Data File : 112217.D
 Acq On : 22 Nov 2022 07:37 pm
 Operator : LM
 Sample : 0.04 ppb 8260 ICAL 68-4G
 Misc : soil/water
 ALS Vial : 11 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 29 16:03:09 2022
 Quant Method : D:\Methods\Inst13\VB112222ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed Nov 23 09:07:37 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 112217.D\data.ms

(6) Vinyl chloride (TMP)
 1.338min (-0.010) 0.037 ppb m

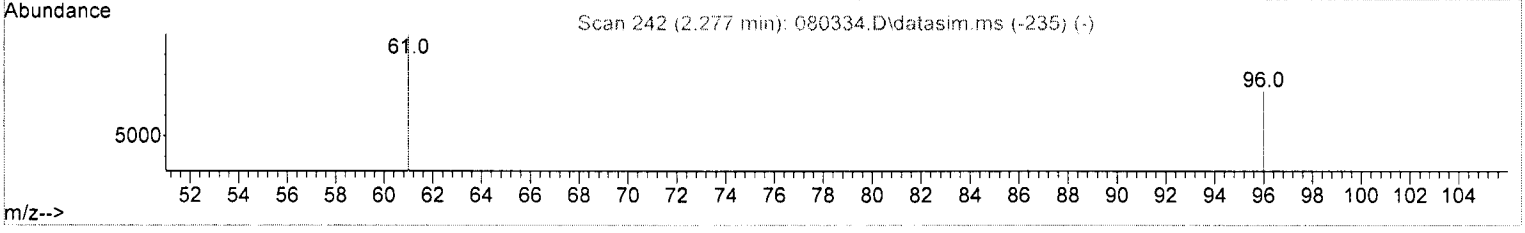
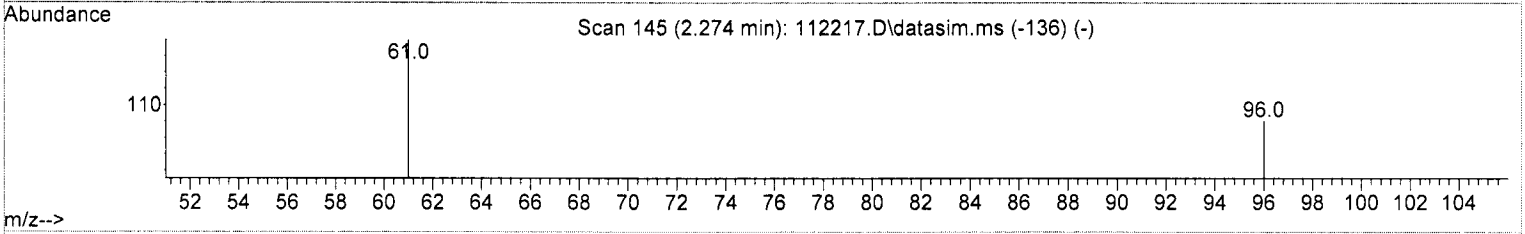
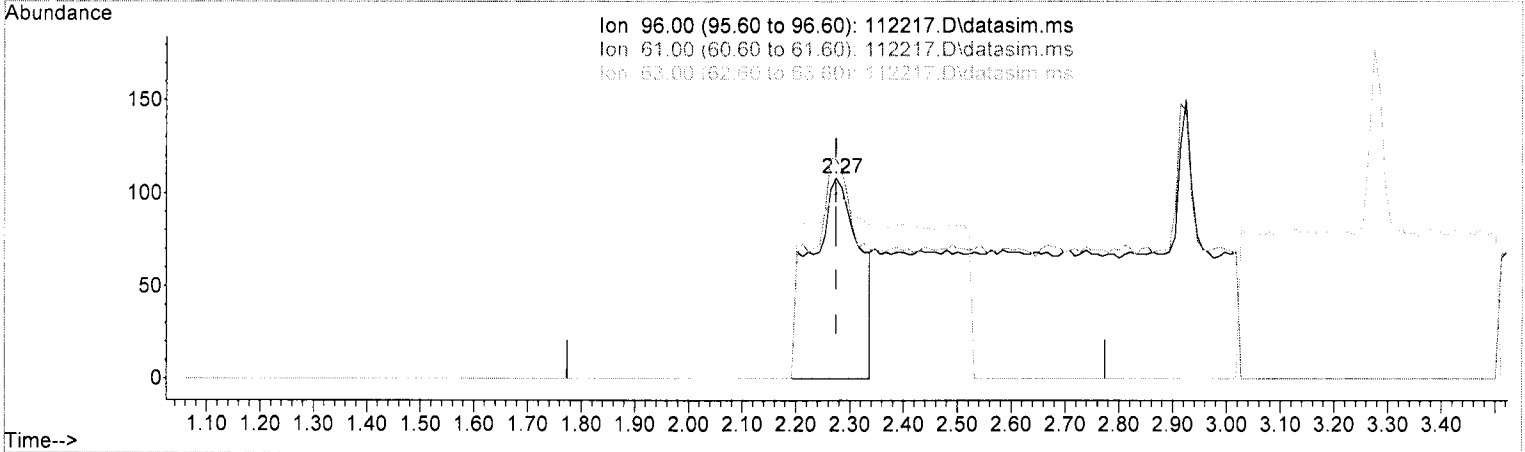
response	150
Ion	Exp% Act%
62.00	100.00 100.00
64.00	33.40 91.19#
0.00	0.00 0.00
0.00	0.00 0.00

Handwritten note: 1/2a DM

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-22-22\
 Data File : 112217.D
 Acq On : 22 Nov 2022 07:37 pm
 Operator : LM
 Sample : 0.04 ppb 8260 ICAL 68-4G
 Misc : soil/water
 ALS Vial : 11 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 29 16:03:09 2022
 Quant Method : D:\Methods\Inst13\VB112222ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed Nov 23 09:07:37 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 112217.D\data.ms

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	125.80	109.26
63.00	42.80	93.52#
0.00	0.00	0.00

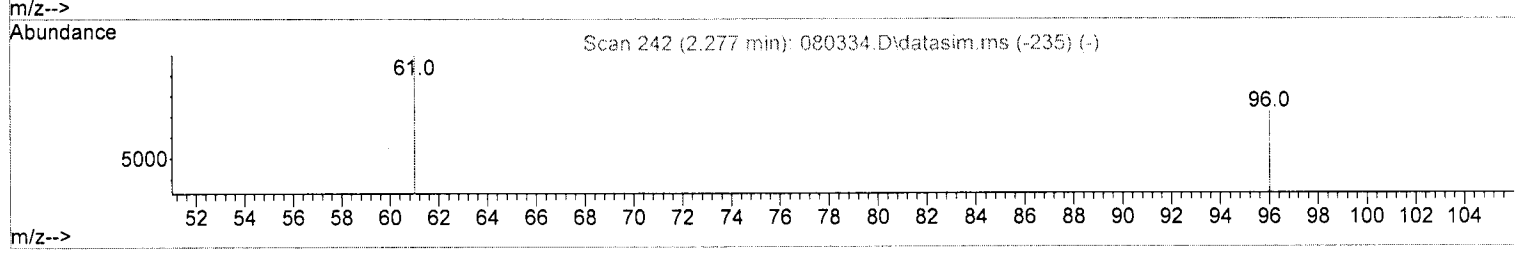
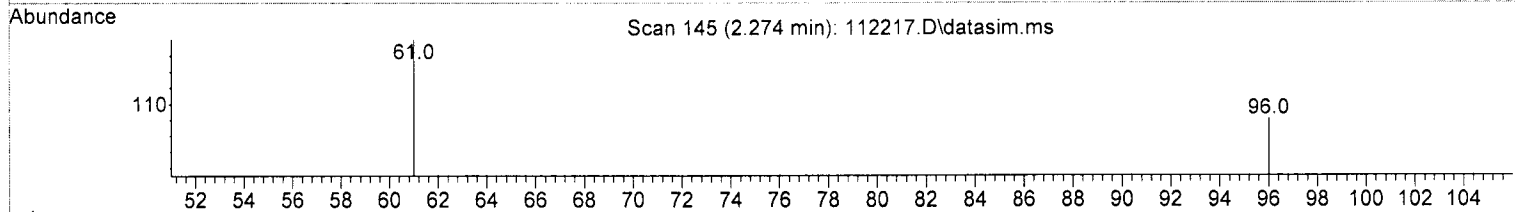
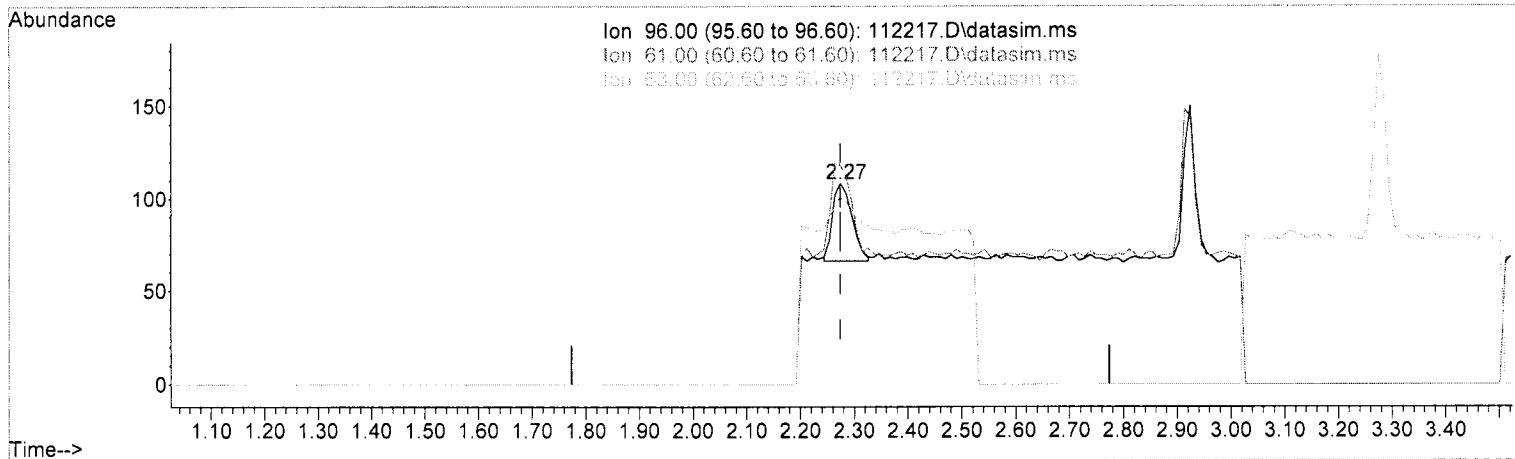
(12) 1,1-Dichloroethene (TMP)
 2.274min (+ 0.000) 0.262 ppb
 response 682

Wra Jan

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-22-22\
 Data File : 112217.D
 Acq On : 22 Nov 2022 07:37 pm
 Operator : LM
 Sample : 0.04 ppb 8260 ICAL 68-4G
 Misc : soil/water
 ALS Vial : 11 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 29 16:03:09 2022
 Quant Method : D:\Methods\Inst13\VB11222ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed Nov 23 09:07:37 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 112217.D\data.ms

(12) 1,1-Dichloroethene (TMP)
 2.274min (+ 0.000) 0.041 ppb m

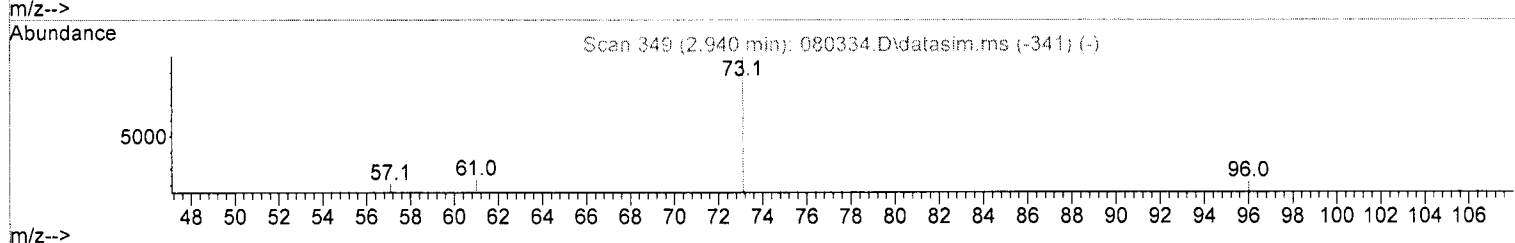
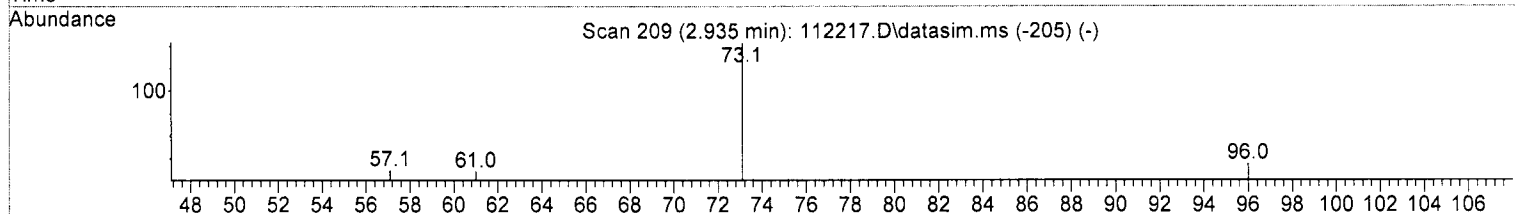
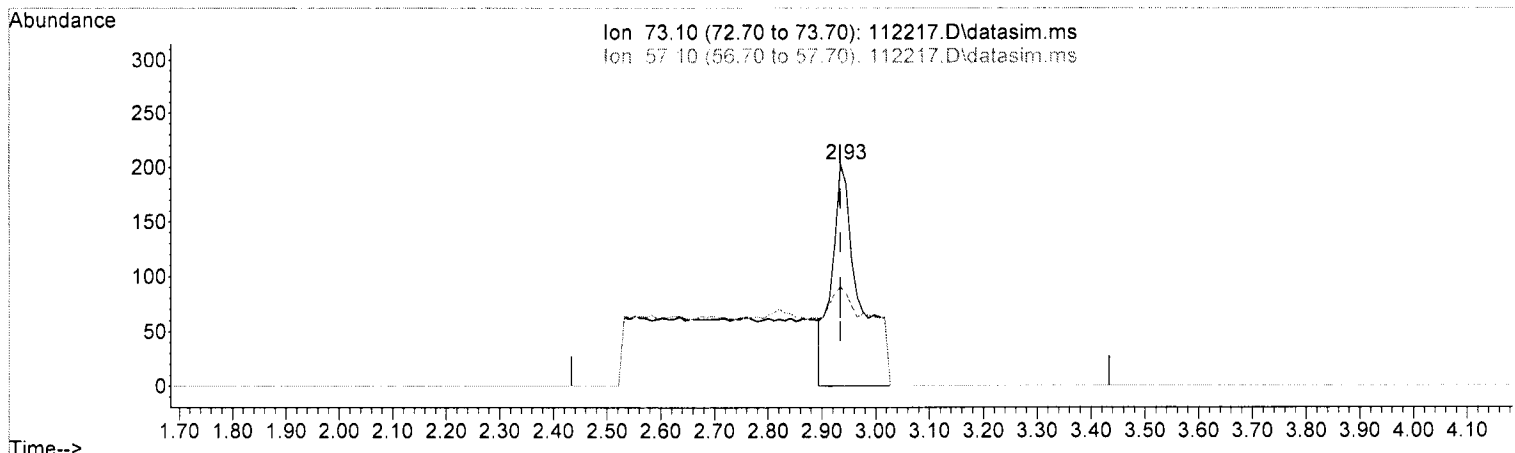
response	106
Ion	Exp% Act%
96.00	100.00 100.00
61.00	125.30 109.26
63.00	42.80 93.52#
0.00	0.00 0.00

11/29 LM

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-22-22\
 Data File : 112217.D
 Acq On : 22 Nov 2022 07:37 pm
 Operator : LM
 Sample : 0.04 ppb 8260 ICAL 68-4G
 Misc : soil/water
 ALS Vial : 11 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 29 16:03:09 2022
 Quant Method : D:\Methods\Inst13\VB112222ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed Nov 23 09:07:37 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 112217.D\data.ms

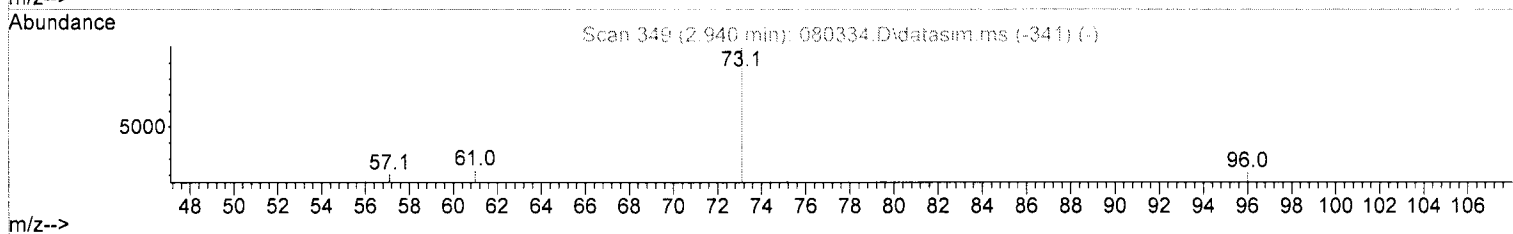
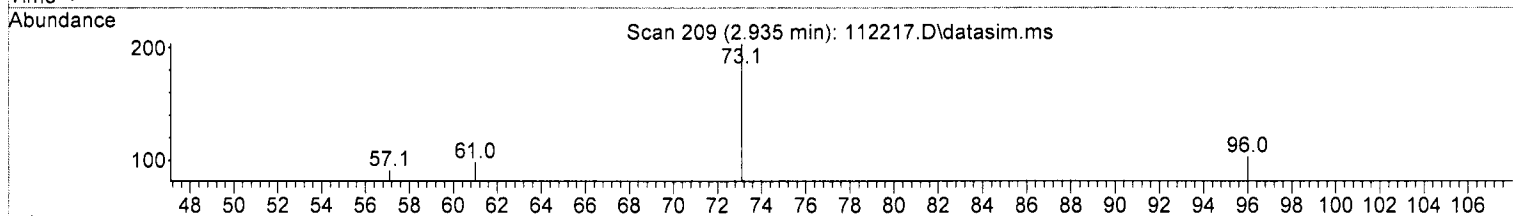
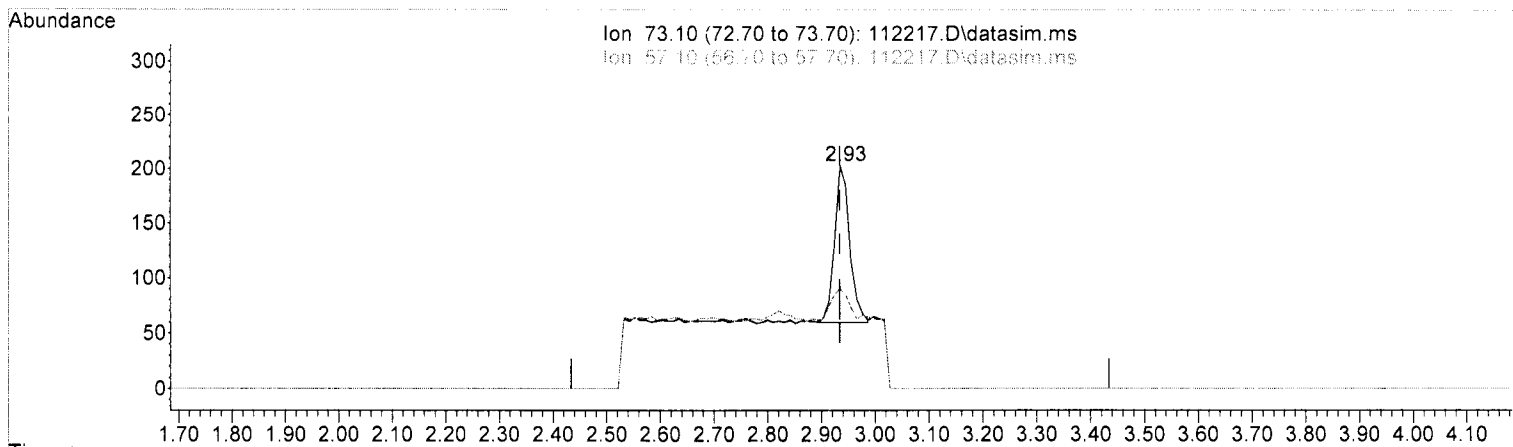
(16)	Methyl t-butyl ether (MTBE) (TMP)
2.935min (+ 0.001)	0.105 ppb
response	730
Ion	Exp% Act%
73.10	100.00 100.00
57.10	19.60 44.83
0.00	0.00 0.00
0.00	0.00 0.00

11/29 LM

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-22-22\
 Data File : 112217.D
 Acq On : 22 Nov 2022 07:37 pm
 Operator : LM
 Sample : 0.04 ppb 8260 ICAL 68-4G
 Misc : soil/water
 ALS Vial : 11 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 29 16:03:09 2022
 Quant Method : D:\Methods\Inst13\VB112222ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed Nov 23 09:07:37 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 112217.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

2.935min (+ 0.001) 0.040 ppb m

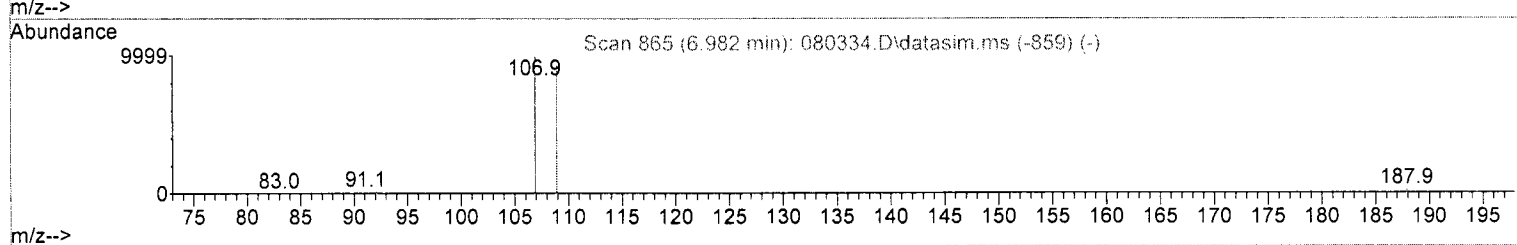
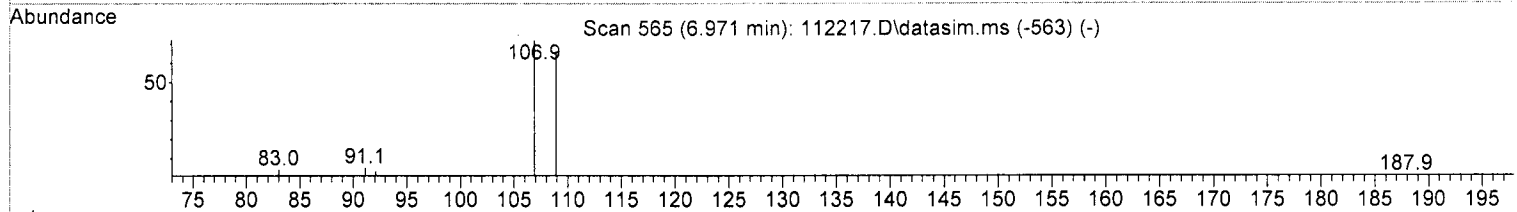
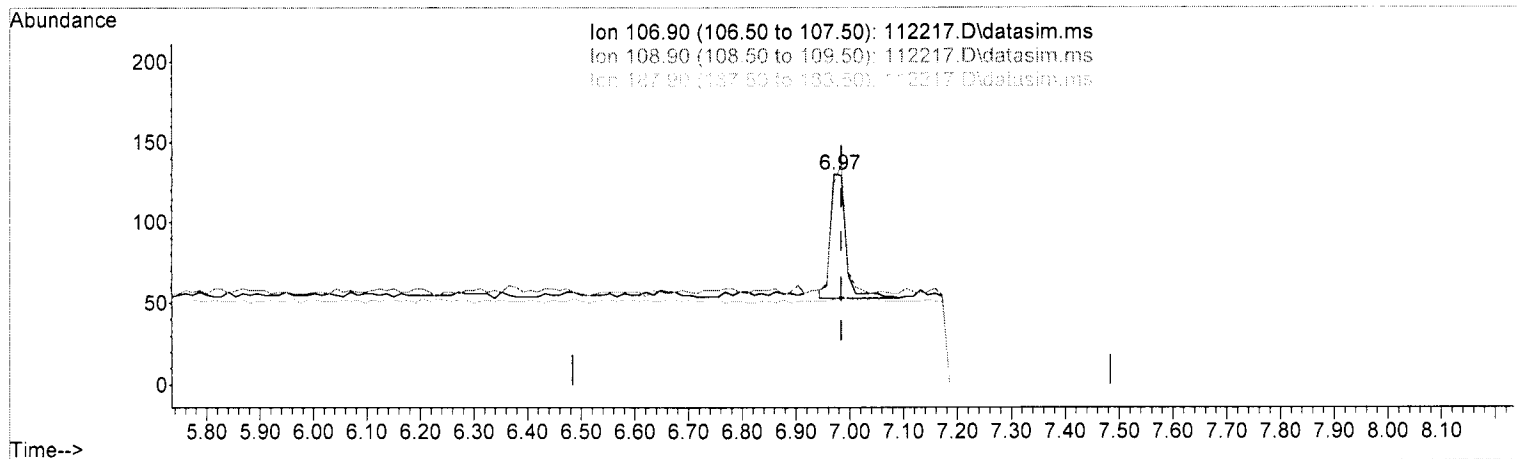
response	278		
Ion	Exp%	Act%	
73.10	100.00	100.00	
57.10	19.60	44.83	
0.00	0.00	0.00	
0.00	0.00	0.00	

Handwritten signature: 11/29 LM

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-22-22\
 Data File : 112217.D
 Acq On : 22 Nov 2022 07:37 pm
 Operator : LM
 Sample : 0.04 ppb 8260 ICAL 68-4G
 Misc : soil/water
 ALS Vial : 11 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 29 16:03:09 2022
 Quant Method : D:\Methods\Inst13\VB112222ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed Nov 23 09:07:37 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 112217.D\data.ms

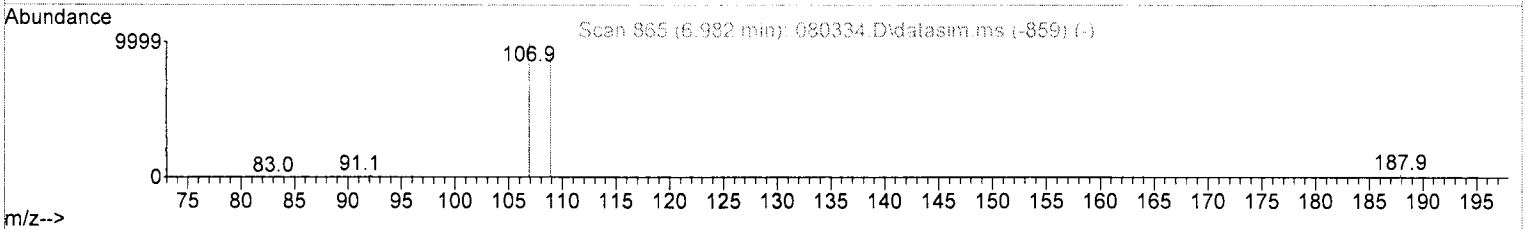
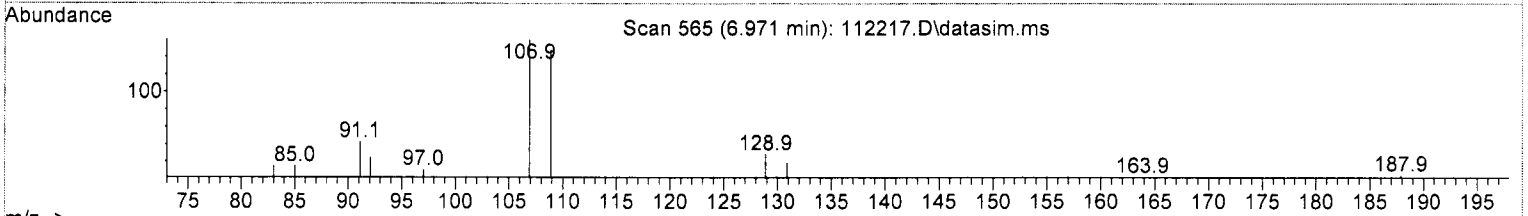
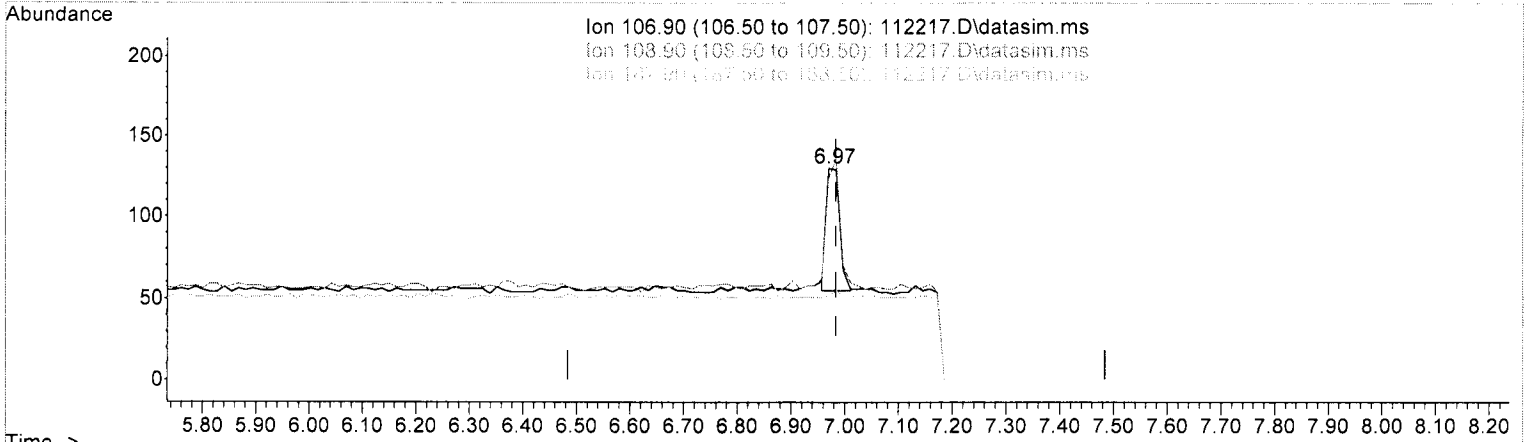
(47) 1,2-Dibromoethane (EDB) (TMP)		
6.971min (-0.013) 0.049 ppb		
response	152	
Ion	Exp%	Act%
106.90	100.00	100.00
108.90	100.20	88.31
187.90	5.60	1.30
0.00	0.00	0.00

11/29 DM

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-22-22\
 Data File : 112217.D
 Acq On : 22 Nov 2022 07:37 pm
 Operator : LM
 Sample : 0.04 ppb 8260 ICAL 68-4G
 Misc : soil/water
 ALS Vial : 11 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 29 16:03:09 2022
 Quant Method : D:\Methods\Inst13\VB112222ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed Nov 23 09:07:37 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 112217.D\data.ms

(47) 1,2-Dibromoethane (EDB) (TMP)

6.971min (-0.013) 0.042 ppb m

response	131	
Ion	Exp%	Act%
106.90	100.00	100.00
108.90	100.20	95.38
187.90	5.60	40.00#
0.00	0.00	0.00

Yza DM

Data Path : D:\Proc_GCMS13\11-22-22\
 Data File : 112217.D
 Acq On : 22 Nov 2022 07:37 pm
 Operator : LM
 Sample : 0.04 ppb 8260 ICAL 68-4G
 Misc : soil/water
 ALS Vial : 11 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 29 16:03:09 2022
 Quant Method : D:\Methods\Inst13\VB112222ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed Nov 23 09:07:37 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2 TMP	Ethanol	-1.000	0.000	0.0	100	-0.04
3 S	Dibromofluoromethane	10.000	9.292	7.1	100	0.00
4 TMP	Dichlorodifluoromethane	-1.000	0.062	0.0	0	0.00
5 TMP	Chloromethane	-1.000	0.081	0.0	0	0.01
6 TMP	Vinyl chloride	0.040	0.037	7.5	95	-0.01
7 TMP	Bromomethane	-1.000	0.000	0.0	0	-1.60#
8 TMP	Chloroethane	-1.000	0.000	0.0	0	-1.67#
9 TMP	Trichlorofluoromethane	-1.000	0.026	0.0	0	-0.01
10 TMP	2-Propanol	-1.000	0.000	0.0	0	-0.04
11 TMP	Acetone	-1.000	0.047	0.0	0	0.00
12 TMP	1,1-Dichloroethene	0.040	0.041	-2.5	106	0.00
13 TMP	Hexane	-1.000	0.024	0.0	0	0.00
14 TMP	Methylene chloride	-1.000	-1.000	0.0	0	-0.01
15 TMP	t-Butyl alcohol (TBA)	-1.000	0.000	0.0	0	-2.83#
16 TMP	Methyl t-butyl ether (MTBE)	0.040	0.040	0.0	100	0.00
17 TMP	trans-1,2-Dichloroethene	0.040	0.045	-12.5	100	0.00
18 TMP	Diisopropyl ether (DIPE)	-1.000	0.049	0.0	0	0.00
19 TMP	1,1-Dichloroethane	0.040	0.041	-2.5	100	-0.01
20 TMP	Ethyl t-butyl ether (ETBE)	-1.000	0.000	0.0	0	-3.66#
21 TMP	2,2-Dichloropropane	-1.000	0.075	0.0	0	0.00
22 TMP	cis-1,2-Dichloroethene	0.040	0.040	0.0	100	0.00
23 TMP	Chloroform	-1.000	0.044	0.0	0	0.00
24 TMP	2-Butanone (MEK)	-1.000	0.000	0.0	0	-3.79#
25 TMP	t-Amyl methyl ether (TAME)	-1.000	0.047	0.0	0	0.00
26 TMP	1,2-Dichloroethane (EDC)	0.040	0.041	-2.5	100	0.00
27 TMP	1,1,1-Trichloroethane	0.040	0.039	2.5	100	0.00
28 TMP	1,1-Dichloropropene	-1.000	0.040	0.0	0	0.00
29 TMP	Carbon tetrachloride	-1.000	0.045	0.0	0	0.00
30 S	1,2-Dichloroethane-d4	10.000	9.427	5.7	100	0.00
31 TMP	Benzene	0.040	0.043	-7.5	100	0.00
32 TMP	Trichloroethene	0.040	0.037	7.5	100	0.00
33 TMP	1,2-Dichloropropane	-1.000	0.054	0.0	0	0.00
34 TMP	Bromodichloromethane	-1.000	0.067	0.0	0	0.00
35 S	Toluene-d8	10.000	9.180	8.2	100	0.00
36 TMP	Dibromomethane	-1.000	0.015	0.0	0	0.00
37 TMP	4-Methyl-2-pentanone	-1.000	0.000	0.0	0	-6.02#
38 TMP	cis-1,3-Dichloropropene	-1.000	0.039	0.0	0	0.00
39 I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40 TMP	Toluene	0.040	0.041	-2.5	100	0.00
41 TMP	trans-1,3-Dichloropropene	-1.000	0.062	0.0	0	0.00
42 TMP	1,1,2-Trichloroethane	0.040	0.040	0.0	100	0.00
43 TMP	2-Hexanone	-1.000	0.000	0.0	0	-6.76#

Data Path : D:\Proc_GCMS13\11-22-22\
 Data File : 112217.D
 Acq On : 22 Nov 2022 07:37 pm
 Operator : LM
 Sample : 0.04 ppb 8260 ICAL 68-4G
 Misc : soil/water
 ALS Vial : 11 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 29 16:03:09 2022
 Quant Method : D:\Methods\Inst13\VB112222ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed Nov 23 09:07:37 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP 1,3-Dichloropropane	-1.000	0.064	0.0	0	0.00
45	TMP Tetrachloroethene	0.040	0.041	-2.5	100	0.00
46	TMP Dibromochloromethane	-1.000	0.059	0.0	0	-0.01
47	TMP 1,2-Dibromoethane (EDB)	0.040	0.042	-5.0	86	-0.01
48	TMP Chlorobenzene	-1.000	0.059	0.0	0	0.00
49	TMP Ethylbenzene	0.040	0.041	-2.5	100	0.00
50	TMP 1,1,1,2-Tetrachloroethane	-1.000	0.022	0.0	0	0.00
51	TMP m,p-Xylene	0.080	0.083	-3.8	100	0.00
52	TMP o-Xylene	0.040	0.040	0.0	100	0.00
53	TMP Styrene	-1.000	0.057	0.0	0	0.00
54	TMP Isopropylbenzene	-1.000	0.052	0.0	0	0.00
55	TMP Bromoform	-1.000	0.042	0.0	0	0.00
56	I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S 4-Bromofluorobenzene	10.000	10.308	-3.1	100	0.00
58	TMP n-Propylbenzene	-1.000	0.060	0.0	0	0.00
59	TMP Bromobenzene	-1.000	0.033	0.0	0	0.00
60	TMP 1,3,5-Trimethylbenzene	-1.000	0.060	0.0	0	0.00
61	TMP 1,1,2,2-Tetrachloroethane	-1.000	-0.015	0.0	0	0.00
62	TMP 1,2,3-Trichloropropane	-1.000	0.020	0.0	0	0.00
63	TMP 2-Chlorotoluene	-1.000	0.061	0.0	0	0.00
64	TMP 4-Chlorotoluene	-1.000	0.057	0.0	0	0.00
65	TMP tert-Butylbenzene	-1.000	0.047	0.0	0	0.00
66	TMP 1,2,4-Trimethylbenzene	-1.000	0.043	0.0	0	0.00
67	TMP sec-Butylbenzene	-1.000	0.049	0.0	0	0.00
68	TMP p-Isopropyltoluene	-1.000	0.053	0.0	0	0.00
69	TMP 1,3-Dichlorobenzene	-1.000	0.053	0.0	0	0.00
70	TMP 1,4-Dichlorobenzene	-1.000	0.054	0.0	0	-0.09
71	TMP 1,2-Dichlorobenzene	-1.000	0.049	0.0	0	0.00
72	TMP 1,2-Dibromo-3-chloropropane	-1.000	0.044	0.0	0	0.08
73	TMP 1,2,4-Trichlorobenzene	-1.000	0.048	0.0	0	0.00
74	TMP Hexachlorobutadiene	-1.000	0.073	0.0	0	0.00
75	TMP Naphthalene	-1.000	0.000	0.0	0	-11.83#
76	TMP 1,2,3-Trichlorobenzene	-1.000	0.050	0.0	0	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Data Path : D:\Proc_GCMS13\11-22-22\
 Data File : 112217.D
 Acq On : 22 Nov 2022 07:37 pm
 Operator : LM
 Sample : 0.04 ppb 8260 ICAL 68-4G
 Misc : soil/water
 ALS Vial : 11 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 29 16:03:09 2022
 Quant Method : D:\Methods\Inst13\VB112222ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed Nov 23 09:07:37 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2 TMP	Ethanol	0.000	0.000#	0.0	100	-0.04
3 S	Dibromofluoromethane	0.332	0.308	7.2	100	0.00
4 TMP	Dichlorodifluoromethane	0.625	0.000#	100.0#	0#	0.00
5 TMP	Chloromethane	0.403	0.000#	100.0#	0#	0.01
6 TMP	Vinyl chloride	0.394	0.363	7.9	95	-0.01
7 TMP	Bromomethane	0.383	0.000#	100.0#	0#	-1.60#
8 TMP	Chloroethane	0.223	0.000#	100.0#	0#	-1.67#
9 TMP	Trichlorofluoromethane	1.059	0.000#	100.0#	0#	-0.01
10 TMP	2-Propanol	0.000	0.000	0.0	0#	-0.04
11 TMP	Acetone	0.025	0.000#	100.0#	0#	0.00
12 TMP	1,1-Dichloroethene	0.252	0.257	-2.0	106	0.00
13 TMP	Hexane	0.270	0.000#	100.0#	0#	0.00
14 TMP	Methylene chloride	0.298	0.000#	100.0#	0#	-0.01
15 TMP	t-Butyl alcohol (TBA)	0.026	0.000#	100.0#	0#	-2.83#
16 TMP	Methyl t-butyl ether (MTBE)	0.672	0.673	-0.1	100	0.00
17 TMP	trans-1,2-Dichloroethene	0.290	0.327	-12.8	100	0.00
18 TMP	Diisopropyl ether (DIPE)	0.572	0.000#	100.0#	0#	0.00
19 TMP	1,1-Dichloroethane	0.394	0.407	-3.3	100	-0.01
20 TMP	Ethyl t-butyl ether (ETBE)	0.305	0.000#	100.0#	0#	-3.66#
21 TMP	2,2-Dichloropropane	0.319	0.000#	100.0#	0#	0.00
22 TMP	cis-1,2-Dichloroethene	0.324	0.324	0.0	100	0.00
23 TMP	Chloroform	0.487	0.000#	100.0#	0#	0.00
24 TMP	2-Butanone (MEK)	0.120	0.000#	100.0#	0#	-3.79#
25 TMP	t-Amyl methyl ether (TAME)	0.614	0.000#	100.0#	0#	0.00
26 TMP	1,2-Dichloroethane (EDC)	0.412	0.545	-32.3#	100	0.00
27 TMP	1,1,1-Trichloroethane	0.520	0.513	1.3	100	0.00
28 TMP	1,1-Dichloropropene	0.338	0.000#	100.0#	0#	0.00
29 TMP	Carbon tetrachloride	0.549	0.000#	100.0#	0#	0.00
30 S	1,2-Dichloroethane-d4	0.061	0.058	4.9	100	0.00
31 TMP	Benzene	0.944	1.012	-7.2	100	0.00
32 TMP	Trichloroethene	0.354	0.373	-5.4	100	0.00
33 TMP	1,2-Dichloropropane	0.211	0.000#	100.0#	0#	0.00
34 TMP	Bromodichloromethane	0.373	0.000#	100.0#	0#	0.00
35 S	Toluene-d8	0.967	0.888	8.2	100	0.00
36 TMP	Dibromomethane	0.203	0.000#	100.0#	0#	0.00
37 TMP	4-Methyl-2-pentanone	0.046	0.000#	100.0#	0#	-6.02#
38 TMP	cis-1,3-Dichloropropene	0.377	0.000#	100.0#	0#	0.00
39 I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40 TMP	Toluene	0.750	0.917	-22.3#	100	0.00
41 TMP	trans-1,3-Dichloropropene	0.377	0.000#	100.0#	0#	0.00
42 TMP	1,1,2-Trichloroethane	0.221	0.265	-19.9	100	0.00
43 TMP	2-Hexanone	0.168	0.000#	100.0#	0#	-6.76#

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-22-22\
 Data File : 112217.D
 Acq On : 22 Nov 2022 07:37 pm
 Operator : LM
 Sample : 0.04 ppb 8260 ICAL 68-4G
 Misc : soil/water
 ALS Vial : 11 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 29 16:03:09 2022
 Quant Method : D:\Methods\Inst13\VB112222ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed Nov 23 09:07:37 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.356	0.000#	100.0#	0#	0.00
45 TMP Tetrachloroethene	0.462	0.616	-33.3#	100	0.00
46 TMP Dibromochloromethane	0.463	0.000#	100.0#	0#	-0.01
47 TMP 1,2-Dibromoethane (EDB)	0.344	0.362	-5.2	86	-0.01
48 TMP Chlorobenzene	0.950	0.000#	100.0#	0#	0.00
49 TMP Ethylbenzene	1.361	1.563	-14.8	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.423	0.000#	100.0#	0#	0.00
51 TMP m,p-Xylene	0.593	0.702	-18.4	100	0.00
52 TMP o-Xylene	0.590	0.677	-14.7	100	0.00
53 TMP Styrene	0.860	0.000#	100.0#	0#	0.00
54 TMP Isopropylbenzene	1.373	0.000#	100.0#	0#	0.00
55 TMP Bromoform	0.326	0.000#	100.0#	0#	0.00
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	0.635	0.655	-3.1	100	0.00
58 TMP n-Propylbenzene	2.319	0.000#	100.0#	0#	0.00
59 TMP Bromobenzene	0.844	0.000#	100.0#	0#	0.00
60 TMP 1,3,5-Trimethylbenzene	1.903	0.000#	100.0#	0#	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.473	0.000#	100.0#	0#	0.00
62 TMP 1,2,3-Trichloropropane	0.370	0.000#	100.0#	0#	0.00
63 TMP 2-Chlorotoluene	1.374	0.000#	100.0#	0#	0.00
64 TMP 4-Chlorotoluene	1.629	0.000#	100.0#	0#	0.00
65 TMP tert-Butylbenzene	1.942	0.000#	100.0#	0#	0.00
66 TMP 1,2,4-Trimethylbenzene	1.964	0.000#	100.0#	0#	0.00
67 TMP sec-Butylbenzene	2.462	0.000#	100.0#	0#	0.00
68 TMP p-Isopropyltoluene	2.410	0.000#	100.0#	0#	0.00
69 TMP 1,3-Dichlorobenzene	1.491	0.000#	100.0#	0#	0.00
70 TMP 1,4-Dichlorobenzene	1.486	0.000#	100.0#	0#	-0.09
71 TMP 1,2-Dichlorobenzene	1.416	0.000#	100.0#	0#	0.00
72 TMP 1,2-Dibromo-3-chloropropane	0.097	0.000#	100.0#	0#	0.08
73 TMP 1,2,4-Trichlorobenzene	0.944	0.000#	100.0#	0#	0.00
74 TMP Hexachlorobutadiene	0.565	0.000#	100.0#	0#	0.00
75 TMP Naphthalene	1.846	0.000#	100.0#	0#	-11.83#
76 TMP 1,2,3-Trichlorobenzene	0.804	0.000#	100.0#	0#	0.00

(#) = Out of Range

SPCC's out = 51 CCC's out = 0

Data Path : D:\Proc_GCMS13\11-22-22\
 Data File : 112217.D
 Acq On : 22 Nov 2022 07:37 pm
 Operator : LM
 Sample : 0.04 ppb 8260 ICAL 68-4G
 Misc : soil/water
 ALS Vial : 11 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 29 16:03:09 2022
 Quant Method : D:\Methods\Inst13\VB112222ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed Nov 23 09:07:37 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) Fluorobenzene	4.75	96	103286	10.000	ppb	0.00	
39) Chlorobenzene-d5	7.40	117	90503	10.000	ppb	0.00	
56) 1,4-Dichlorobenzene-d4	9.62	152	54218	10.000	ppb	0.00	
System Monitoring Compounds							
3) Dibromofluoromethane	4.17	113	31828	9.292	ppb	0.00	
Spiked Amount	10.000	Range	50 - 150	Recovery	=	92.90%	
30) 1,2-Dichloroethane-d4	4.45	102	5987	9.427	ppb	0.00	
Spiked Amount	10.000	Range	84 - 120	Recovery	=	94.30%	
35) Toluene-d8	6.11	98	91678	9.180	ppb	0.00	
Spiked Amount	10.000	Range	73 - 128	Recovery	=	91.80%	
57) 4-Bromofluorobenzene	8.51	95	35501	10.308	ppb	0.00	
Spiked Amount	10.000	Range	57 - 146	Recovery	=	103.10%	
Target Compounds							
2) Ethanol	2.30	45	31	No Calib			Qvalue
4) Dichlorodifluoromethane	1.12	85	397	N.D.			
5) Chloromethane	1.27	50	336	N.D.			
6] Vinyl chloride	1.34	62	150m	0.037	ppb		
7) Bromomethane	0.00		0	N.D.			
8) Chloroethane	0.00		0	N.D.	d		
9) Trichlorofluoromethane	1.86	101	284	N.D.			
10) 2-Propanol	2.30	45	31	No Calib	#		
11) Acetone	2.33	58	77	N.D.			
12] 1,1-Dichloroethene	2.27	96	106m	0.041	ppb		
13) Hexane	3.16	57	67	N.D.			
14) Methylene chloride	2.68	84	2494	Below Cal		83	
15) t-Butyl alcohol (TBA)	0.00		0	N.D.	d		
16] Methyl t-butyl ether (...)	2.93	73	278m	0.040	ppb		
17] trans-1,2-Dichloroethene	2.92	96	135	0.045	ppb	83	
18) Diisopropyl ether (DIPE)	3.35	45	287	N.D.			
19] 1,1-Dichloroethane	3.27	63	168	0.041	ppb	97	
20) Ethyl t-butyl ether (E...)	0.00		0	N.D.			
21) 2,2-Dichloropropane	3.77	77	467	N.D.			
22] cis-1,2-Dichloroethene	3.77	96	134	0.040	ppb	91	
23) Chloroform	4.04	83	219	N.D.			
24) 2-Butanone (MEK)	0.00		0	N.D.	d		
25) t-Amyl methyl ether (T...)	4.61	73	296	N.D.			
26] 1,2-Dichloroethane (EDC)	4.53	62	225	0.041	ppb	95	
27] 1,1,1-Trichloroethane	4.19	97	212	0.039	ppb	93	
28) 1,1-Dichloropropene	4.33	75	138	N.D.			
29) Carbon tetrachloride	4.33	117	253	N.D.			
31] Benzene	4.50	78	418	0.043	ppb	95	
32] Trichloroethene	5.05	95	154	0.037	ppb	89	
33) 1,2-Dichloropropane	5.25	63	118	N.D.			
34) Bromodichloromethane	5.48	83	258	N.D.			
36) Dibromomethane	5.35	93	31	N.D.			

Data Path : D:\Proc_GCMS13\11-22-22\
 Data File : 112217.D
 Acq On : 22 Nov 2022 07:37 pm
 Operator : LM
 Sample : 0.04 ppb 8260 ICAL 68-4G
 Misc : soil/water
 ALS Vial : 11 Sample Multiplier: 1
 InstName : GCMS13

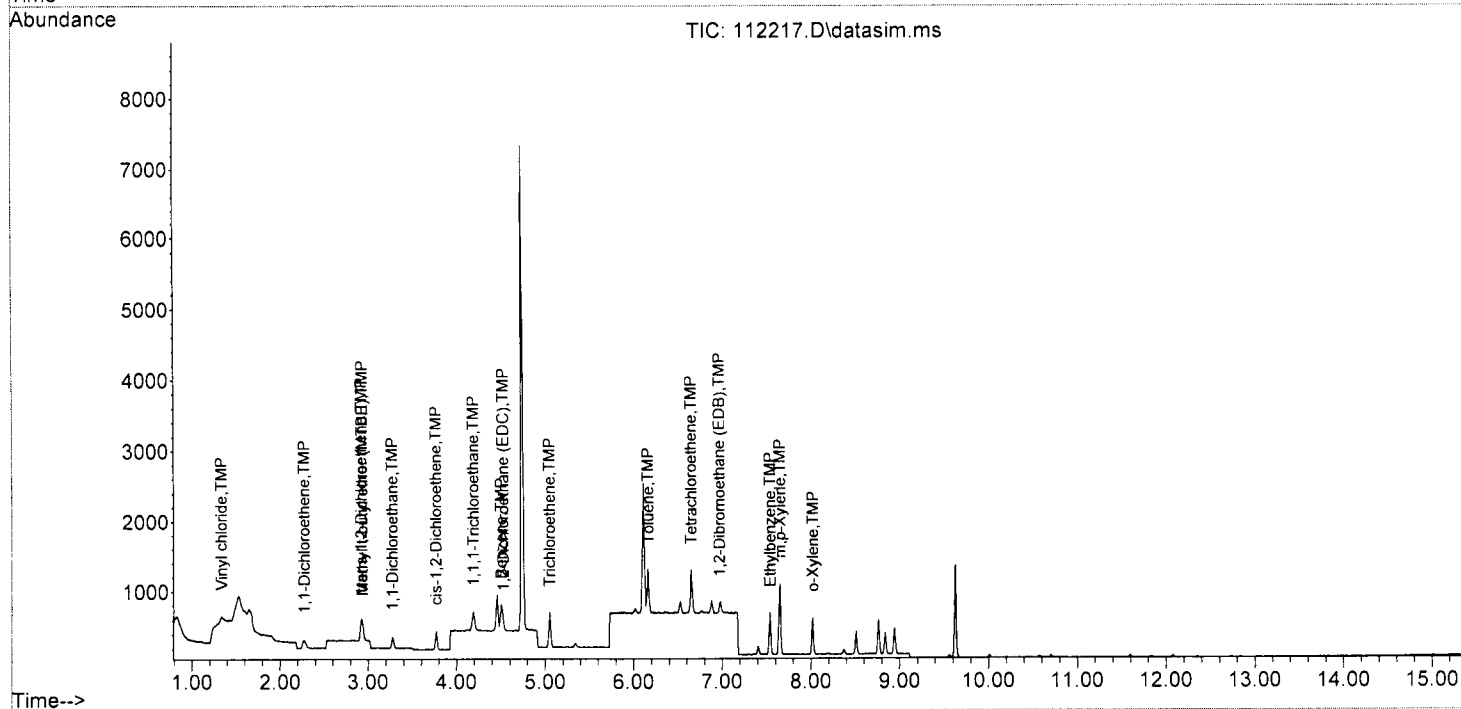
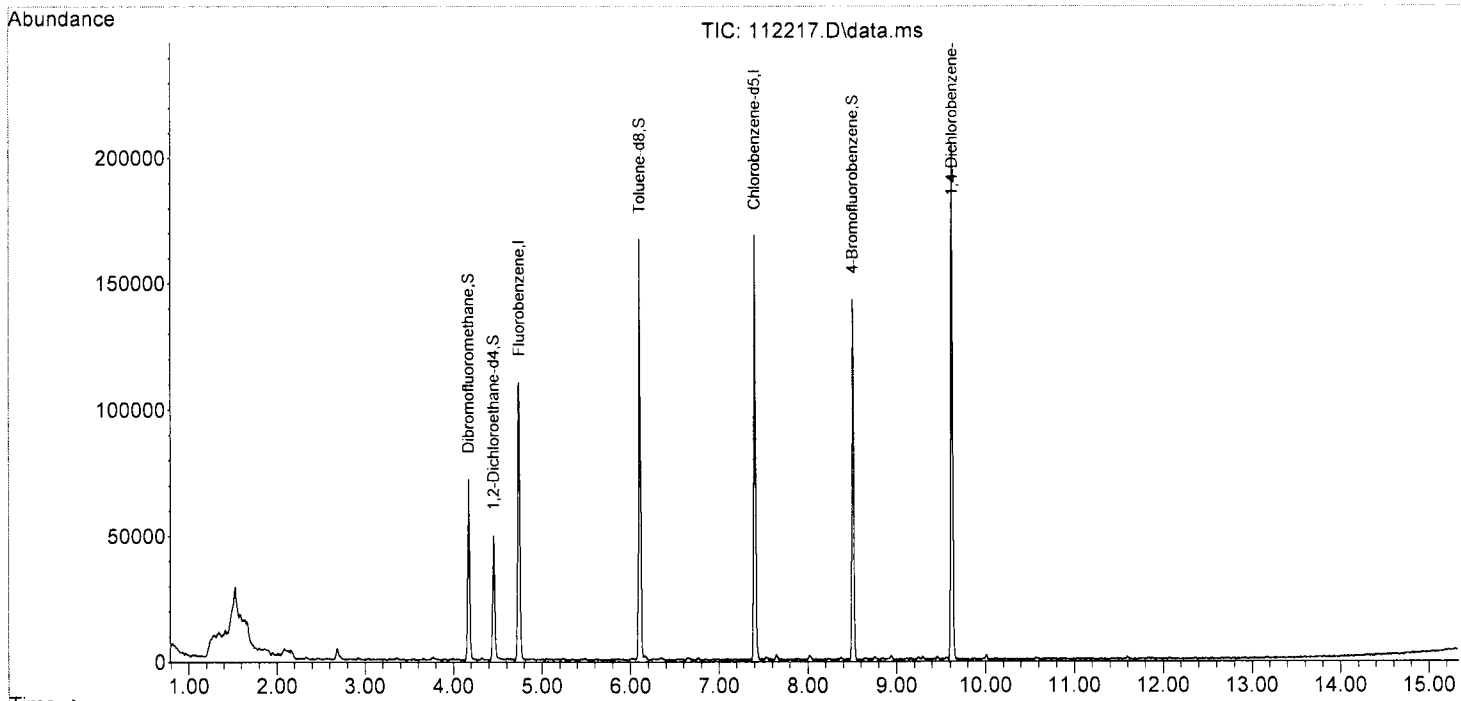
Quant Time: Nov 29 16:03:09 2022
 Quant Method : D:\Methods\Inst13\VB112222ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed Nov 23 09:07:37 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.00		0		N.D.	
38) cis-1,3-Dichloropropene	5.88	75	152		N.D.	
40] Toluene	6.16	92	332	0.041	ppb	95
41) trans-1,3-Dichloropropene	6.36	75	212		N.D.	
42) 1,1,2-Trichloroethane	6.53	83	96		N.D.	
43) 2-Hexanone	0.00		0		N.D. d	
44) 1,3-Dichloropropane	6.68	76	207		N.D.	
45] Tetrachloroethene	6.65	164	223	0.041	ppb	94
46) Dibromochloromethane	6.87	129	246		N.D.	
47] 1,2-Dibromoethane (EDB)	6.97	107	131m	0.042	ppb	
48) Chlorobenzene	7.43	112	503		N.D.	
49] Ethylbenzene	7.54	91	566	0.041	ppb	96
50] 1,1,1,2-Tetrachloroethane	7.52	131	86		N.D.	
51] m,p-Xylene	7.65	106	508	0.083	ppb	99
52] o-Xylene	8.02	106	245	0.040	ppb	98
53) Styrene	8.03	104	442		N.D.	
54) Isopropylbenzene	8.37	105	649		N.D.	
55) Bromoform	8.20	173	123		N.D.	
58) n-Propylbenzene	8.76	91	758		N.D.	
59) Bromobenzene	8.65	156	153		N.D.	
60] 1,3,5-Trimethylbenzene	8.94	105	622		N.D.	
61) 1,1,2,2-Tetrachloroethane	8.65	83	121	Below Cal	#	26
62) 1,2,3-Trichloropropane	8.70	75	41		N.D.	
63) 2-Chlorotoluene	8.84	91	458		N.D.	
64) 4-Chlorotoluene	8.94	91	501		N.D.	
65) tert-Butylbenzene	9.25	119	496		N.D.	
66) 1,2,4-Trimethylbenzene	9.30	105	455		N.D.	
67) sec-Butylbenzene	9.46	105	650		N.D.	
68) p-Isopropyltoluene	9.60	119	698		N.D.	
69) 1,3-Dichlorobenzene	9.55	146	431		N.D.	
70] 1,4-Dichlorobenzene	9.55	146	431		N.D.	
71) 1,2-Dichlorobenzene	10.01	146	375		N.D.	
72) 1,2-Dibromo-3-chloropr...	10.85	75	23		N.D.	
73) 1,2,4-Trichlorobenzene	11.59	180	245		N.D.	
74) Hexachlorobutadiene	11.78	225	225		N.D.	
75) Naphthalene	0.00		0		N.D. d	
76) 1,2,3-Trichlorobenzene	12.08	180	220		N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS13\11-22-22\
 Data File : 112217.D
 Acq On : 22 Nov 2022 07:37 pm
 Operator : LM
 Sample : 0.04 ppb 8260 ICAL 68-4G
 Misc : soil/water
 ALS Vial : 11 Sample Multiplier: 1
 InstName : GCMS13

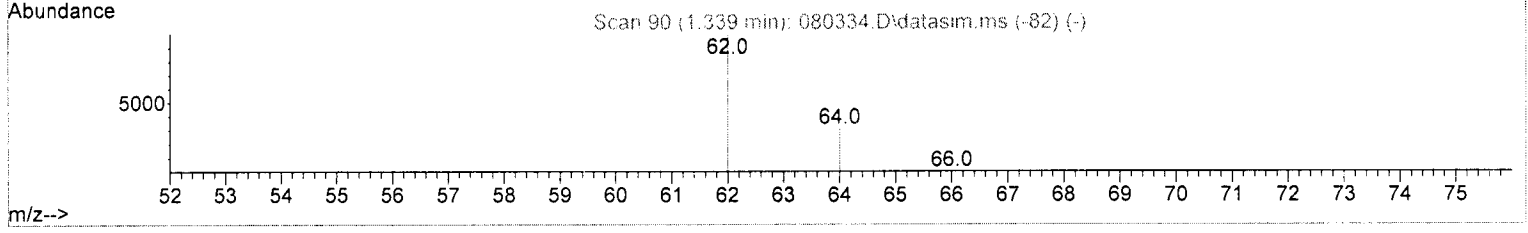
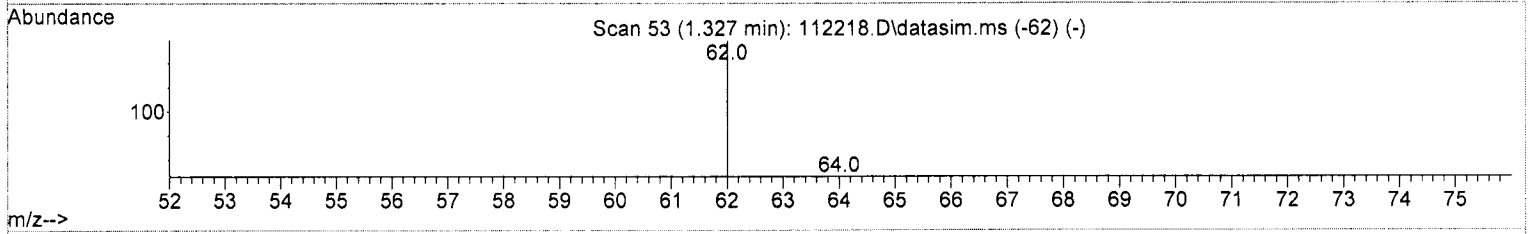
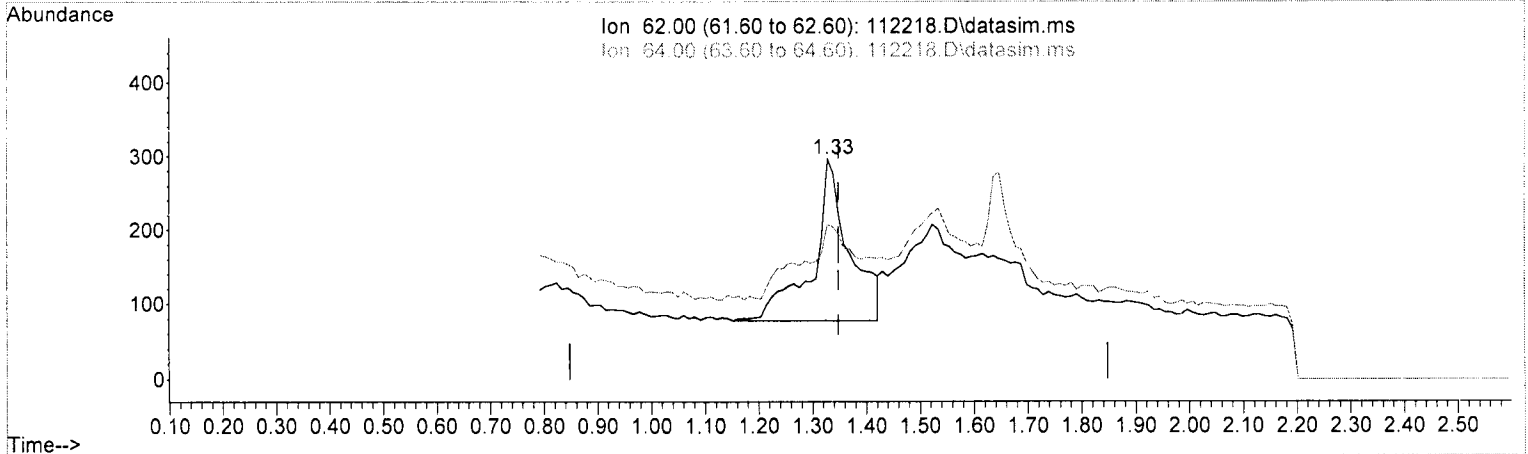
Quant Time: Nov 29 16:03:09 2022
 Quant Method : D:\Methods\Inst13\VB112222ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed Nov 23 09:07:37 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-22-22\
 Data File : 112218.D
 Acq On : 22 Nov 2022 08:00 pm
 Operator : LM
 Sample : 0.1 ppb 8260 ICAL 68-4H
 Misc : soil/water
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 29 16:03:11 2022
 Quant Method : D:\Methods\Inst13\VB112222ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed Nov 23 09:07:37 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 112218.D\data.ms

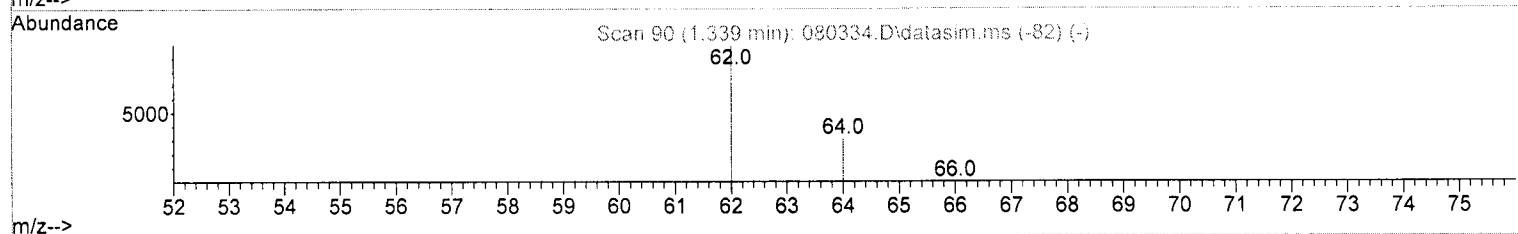
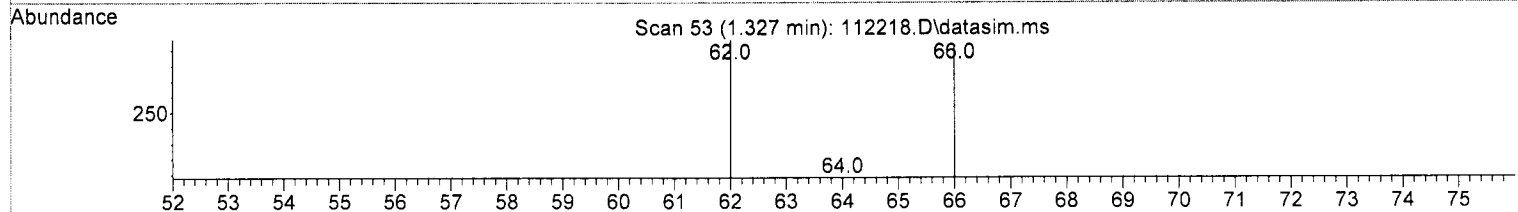
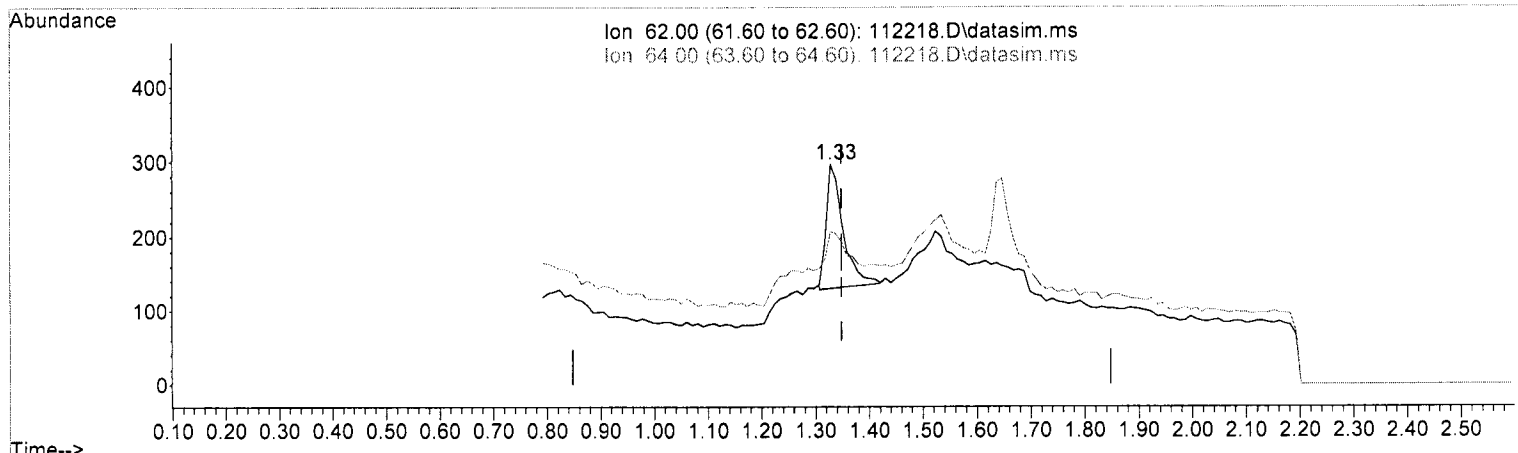
(6) Vinyl chloride (TIP)		
1.327min (-0.021)	0.280	ppb
response	1022	
Ion	Exp%	Act%
62.00	100.00	100.00
64.00	33.40	45.21
0.00	0.00	0.00
0.00	0.00	0.00

n/a DM

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-22-22\
 Data File : 112218.D
 Acq On : 22 Nov 2022 08:00 pm
 Operator : LM
 Sample : 0.1 ppb 8260 ICAL 68-4H
 Misc : soil/water
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 29 16:03:11 2022
 Quant Method : D:\Methods\Inst13\VB112222ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed Nov 23 09:07:37 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 112218.D\data.ms

(6) Vinyl chloride (TMP)

1.327min (-0.021) 0.101 ppb m

response 369

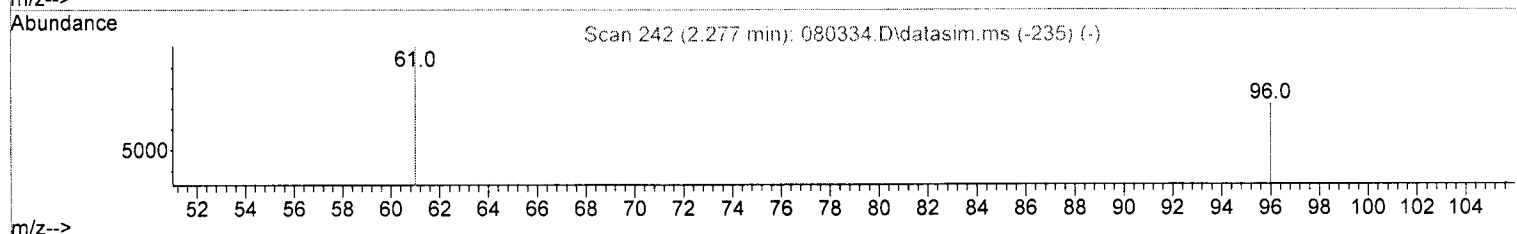
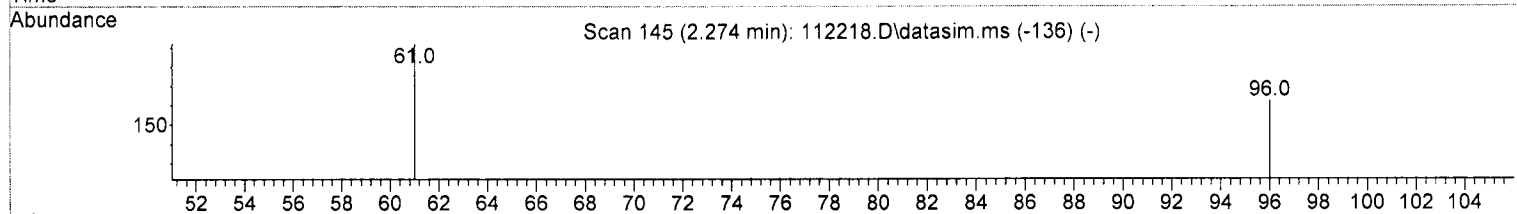
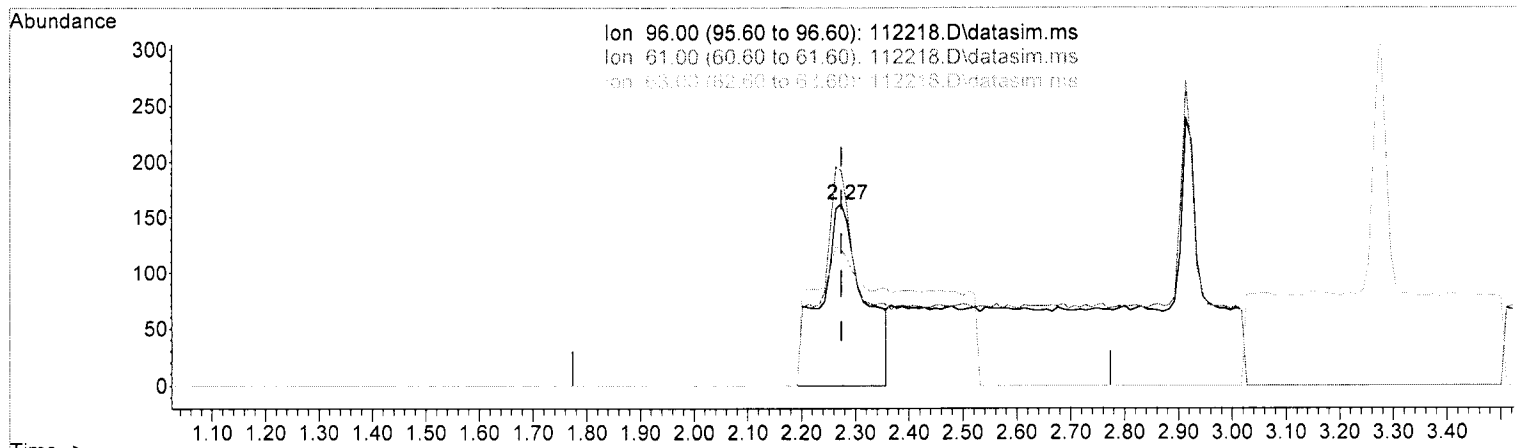
Ion	Exp%	Act%
62.00	100.00	100.00
64.00	33.40	70.03#
0.00	0.00	0.00
0.00	0.00	0.00

m/z 62.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-22-22\
 Data File : 112218.D
 Acq On : 22 Nov 2022 08:00 pm
 Operator : LM
 Sample : 0.1 ppb 8260 ICAL 68-4H
 Misc : soil/water
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 29 16:03:11 2022
 Quant Method : D:\Methods\Inst13\VB112222ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed Nov 23 09:07:37 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 112218.D\data.ms

(12) 1,1-Dichloroethene (TMP)
 2.274min (+ 0.000) 0.391 ppb

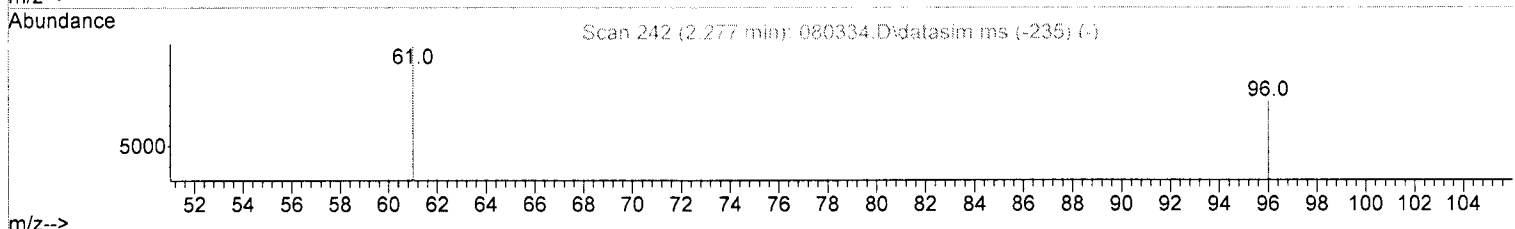
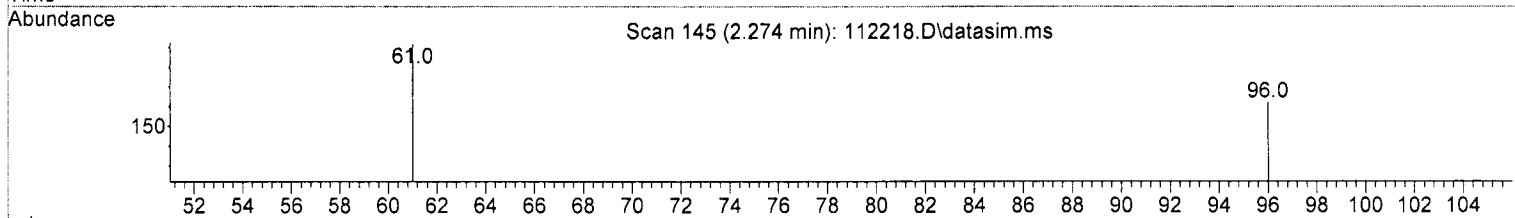
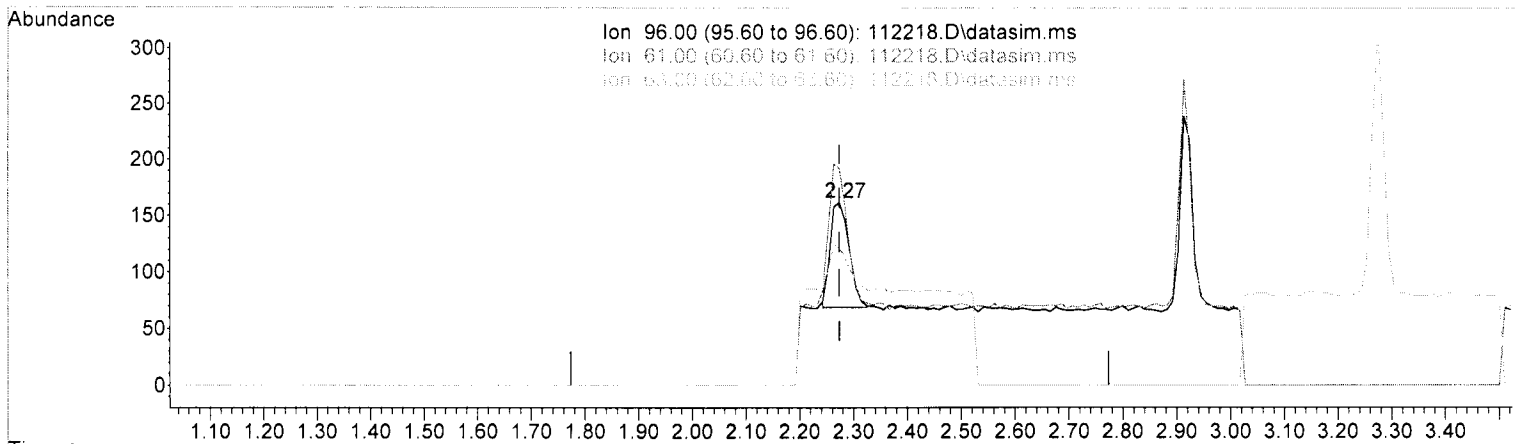
response	910
Ion	Exp% Act%
96.00	100.00 100.00
61.00	125.30 118.52
63.00	42.80 75.31#
0.00	0.00 0.00

u/ka Don

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-22-22\
 Data File : 112218.D
 Acq On : 22 Nov 2022 08:00 pm
 Operator : LM
 Sample : 0.1 ppb 8260 ICAL 68-4H
 Misc : soil/water
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 29 16:03:11 2022
 Quant Method : D:\Methods\Inst13\VB112222ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed Nov 23 09:07:37 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 112218.D\data.ms

(12) 1,1-Dichloroethene (TMP)

2.274min (+ 0.000) 0.097 ppb m

response 226

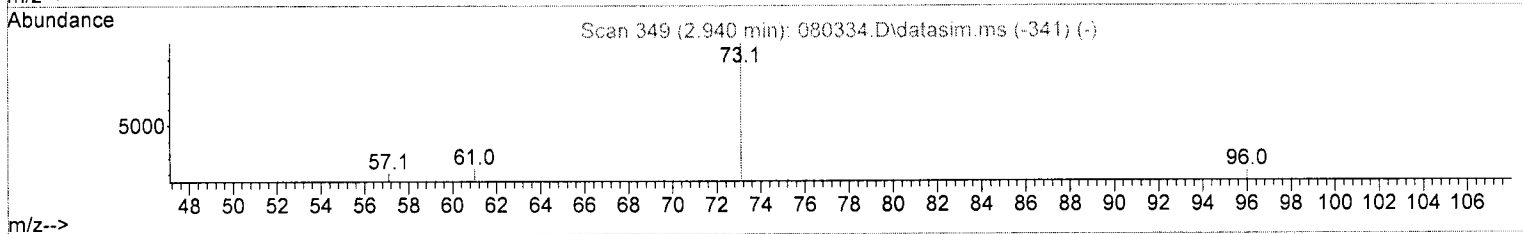
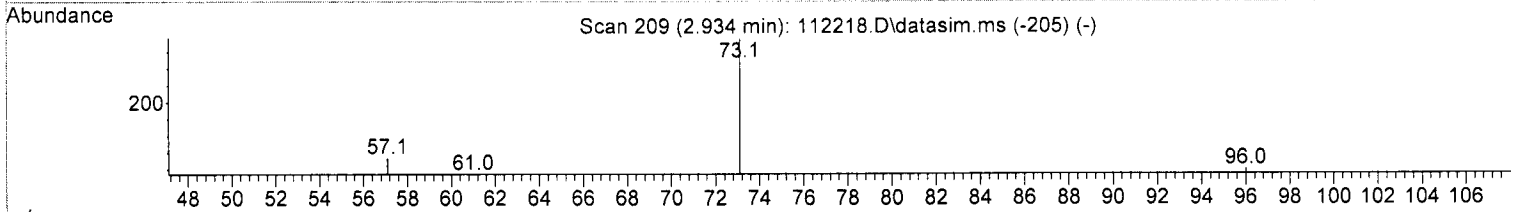
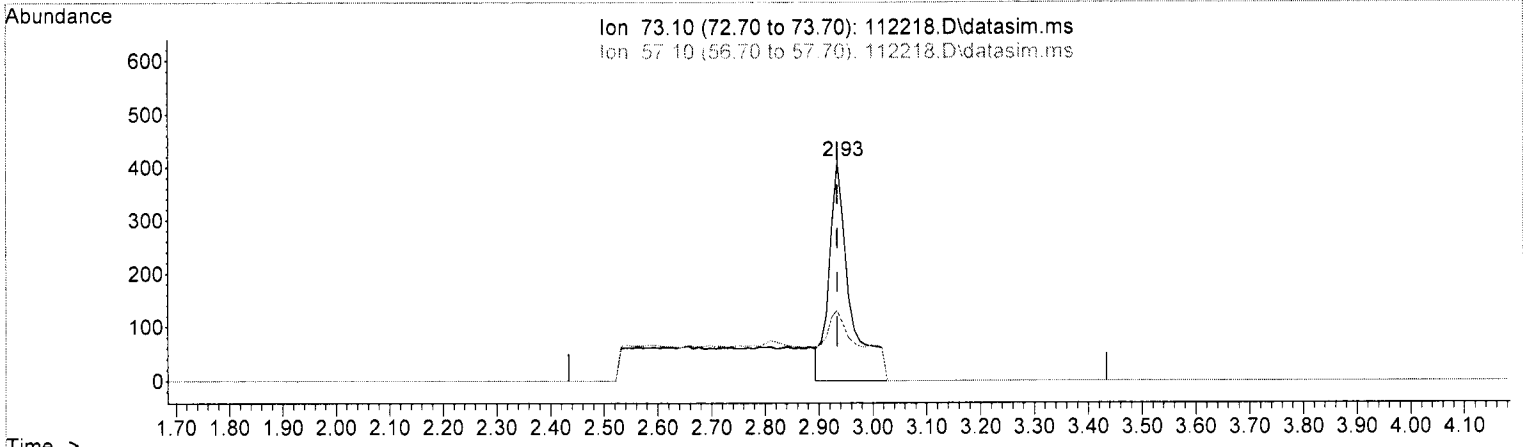
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	125.30	118.52
63.00	42.80	75.31#
0.00	0.00	0.00

Handwritten signature: 11/29 LM

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-22-22\
 Data File : 112218.D
 Acq On : 22 Nov 2022 08:00 pm
 Operator : LM
 Sample : 0.1 ppb 8260 ICAL 68-4H
 Misc : soil/water
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 29 16:03:11 2022
 Quant Method : D:\Methods\Inst13\VB112222ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed Nov 23 09:07:37 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



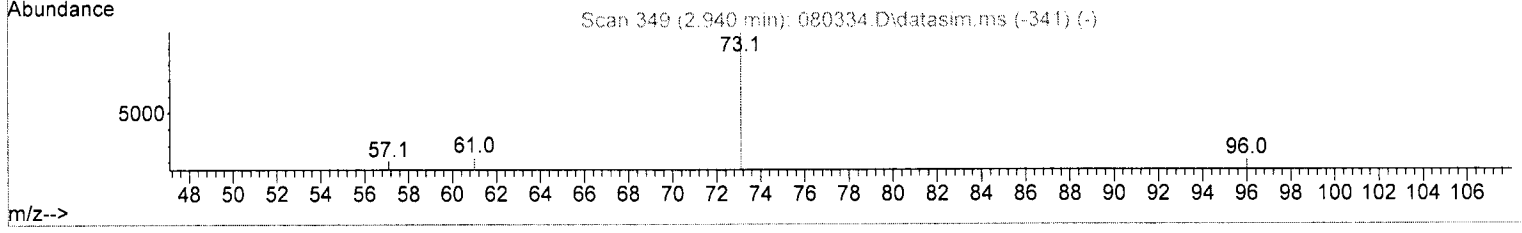
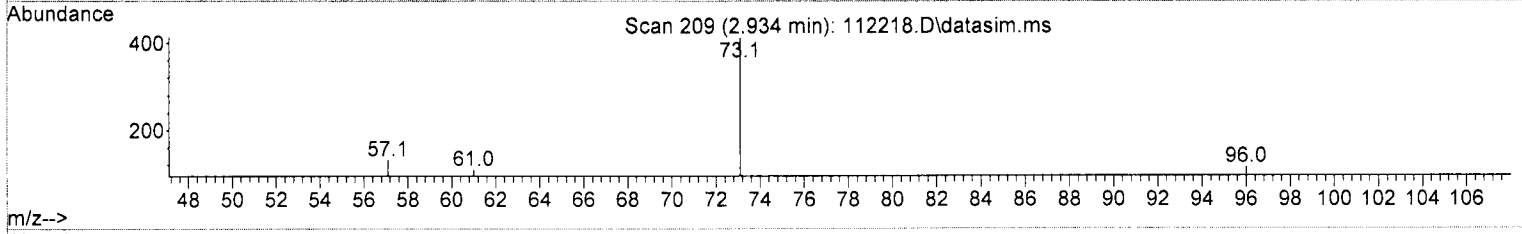
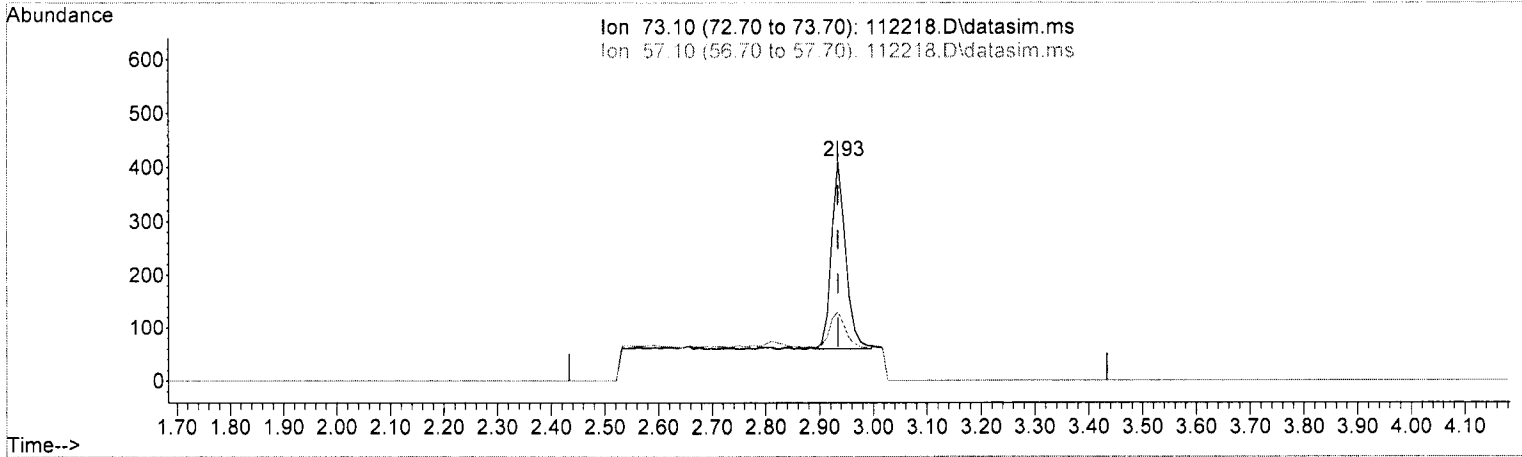
TIC: 112218.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)			
2.934min (+ 0.000)	0.176 ppb		
response	1095		
Ion	Exp%	Act%	
73.10	100.00	100.00	<i>4/29 DM</i>
57.10	19.60	31.55	
0.00	0.00	0.00	
0.00	0.00	0.00	
0.00	0.00	0.00	

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-22-22\
 Data File : 112218.D
 Acq On : 22 Nov 2022 08:00 pm
 Operator : LM
 Sample : 0.1 ppb 8260 ICAL 68-4H
 Misc : soil/water
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 29 16:03:11 2022
 Quant Method : D:\Methods\Inst13\VB112222ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed Nov 23 09:07:37 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 112218.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

2.934min (+ 0.000) 0.104 ppb m

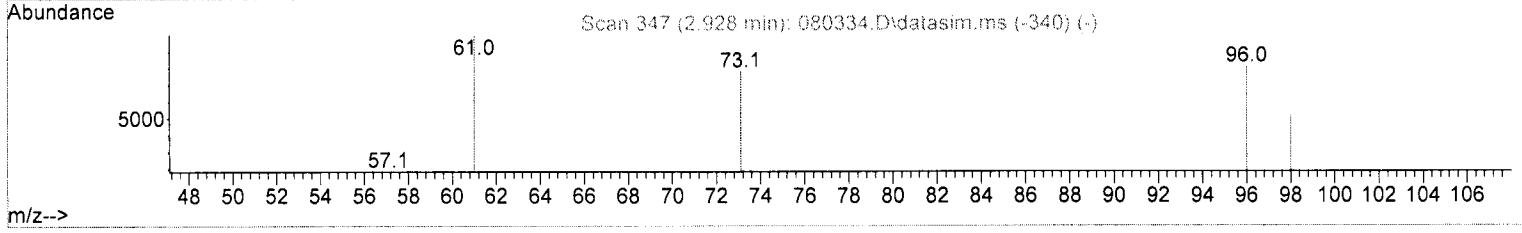
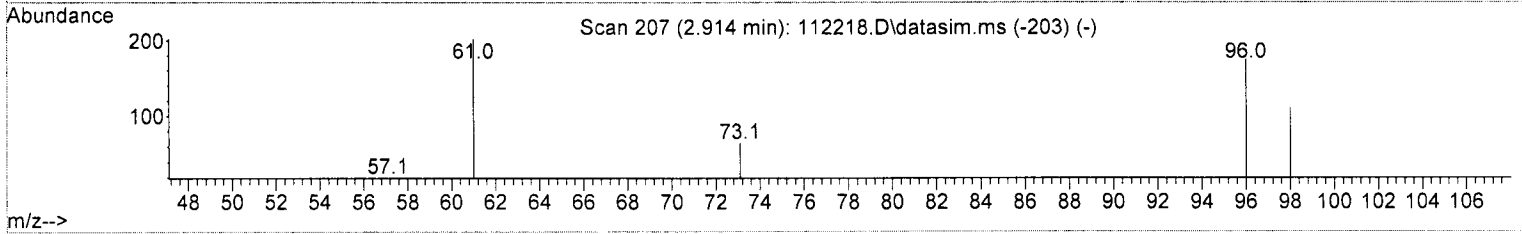
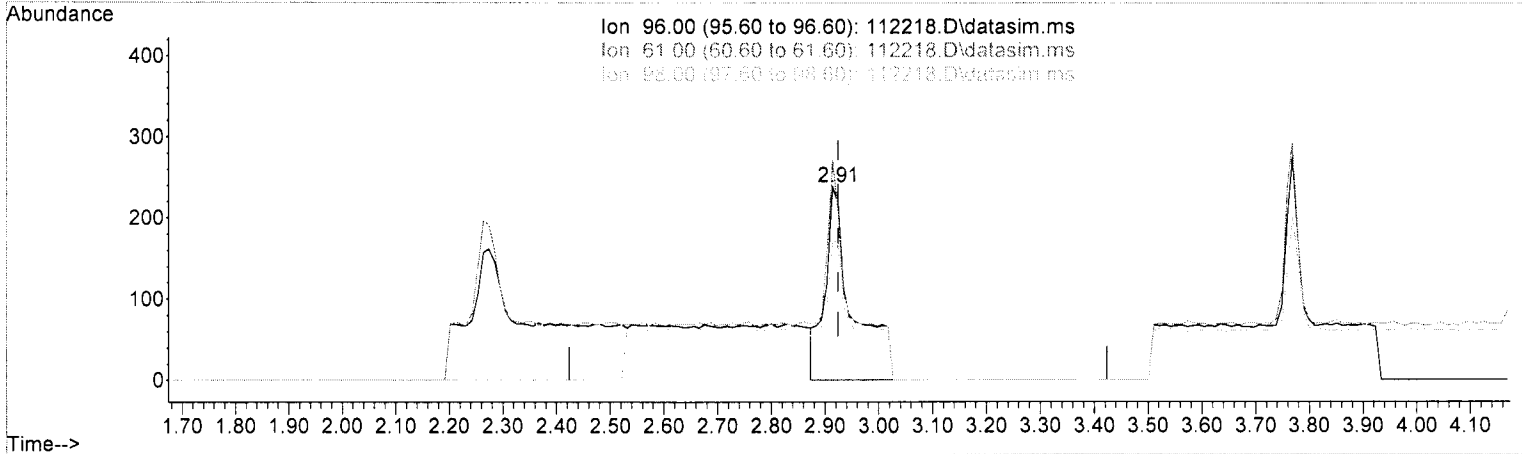
response	646	
Ion	Exp%	Act%
73.10	100.00	100.00
57.10	19.60	31.55
0.00	0.00	0.00
0.00	0.00	0.00

LM 11/29

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-22-22\
 Data File : 112218.D
 Acq On : 22 Nov 2022 08:00 pm
 Operator : LM
 Sample : 0.1 ppb 8260 ICAL 68-4H
 Misc : soil/water
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 29 16:03:11 2022
 Quant Method : D:\Methods\Inst13\VB112222ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed Nov 23 09:07:37 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 112218.D\data.ms

(17) trans-1,2-Dichloroethene (TMP)

2.914min (-0.010) 0.320 ppb

response 860

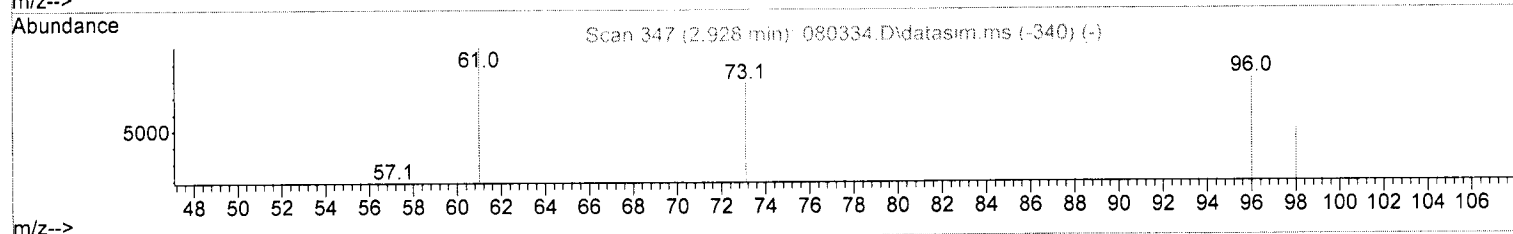
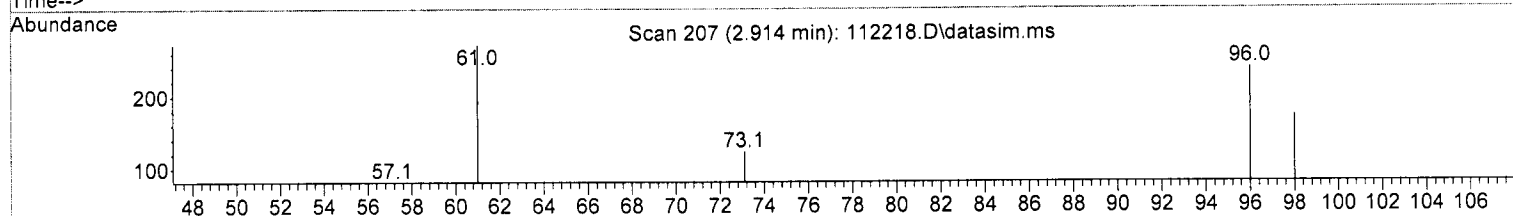
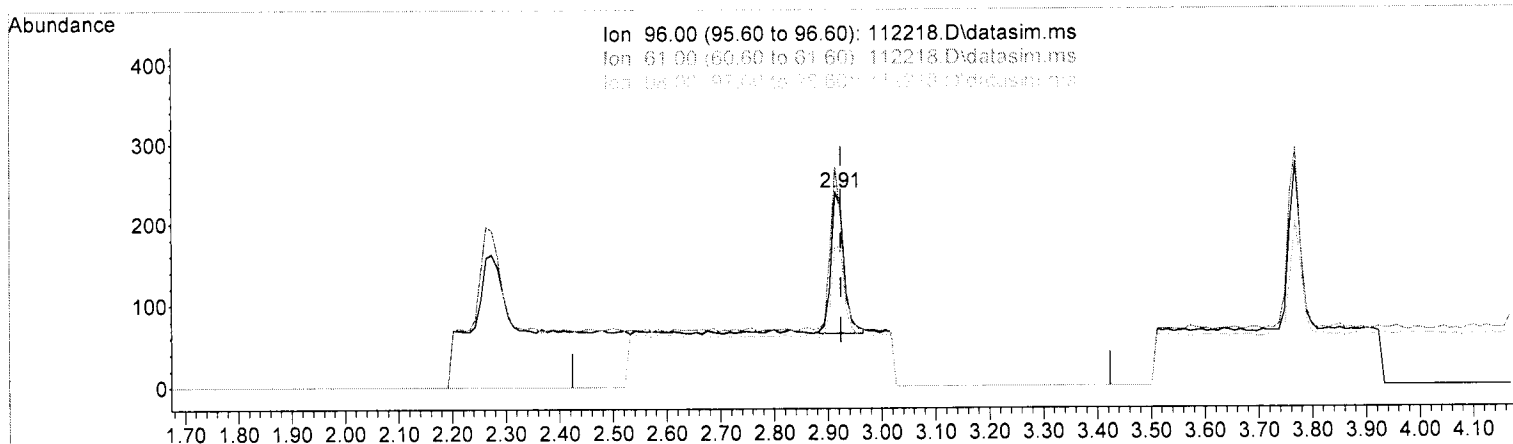
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	111.10	113.81
98.00	64.20	71.97
0.00	0.00	0.00

u/ra SKM

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-22-22\
 Data File : 112218.D
 Acq On : 22 Nov 2022 08:00 pm
 Operator : LM
 Sample : 0.1 ppb 8260 ICAL 68-4H
 Misc : soil/water
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 29 16:03:11 2022
 Quant Method : D:\Methods\Inst13\VB112222ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed Nov 23 09:07:37 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 112218.D\data.ms

(17) trans-1,2-Dichloroethene (TMP)

2.914min (-0.010) 0.107 ppb m

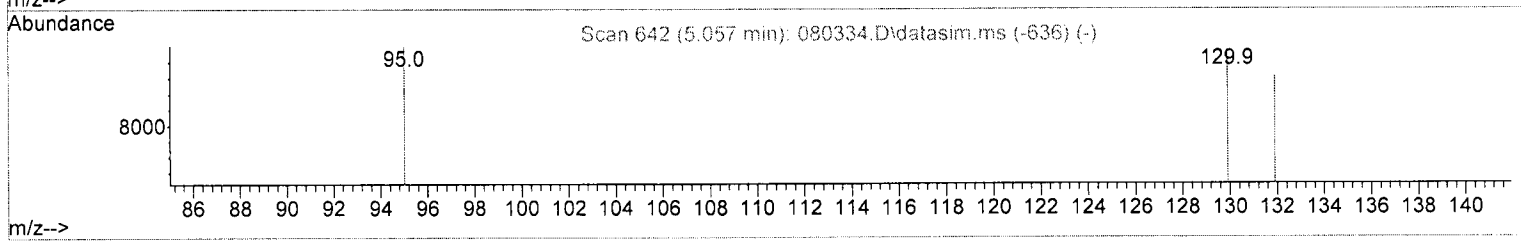
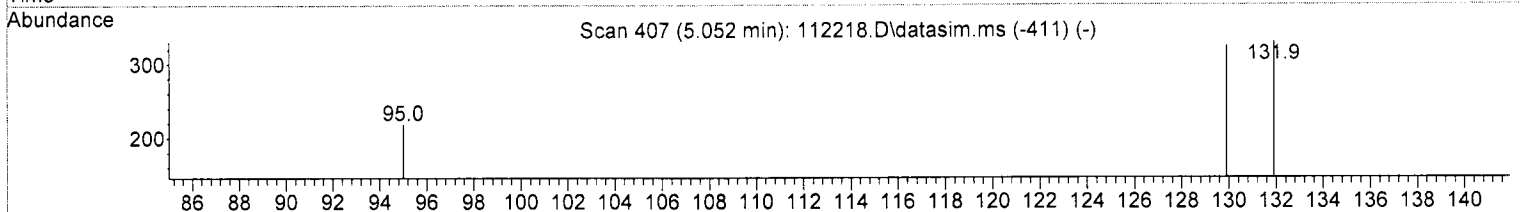
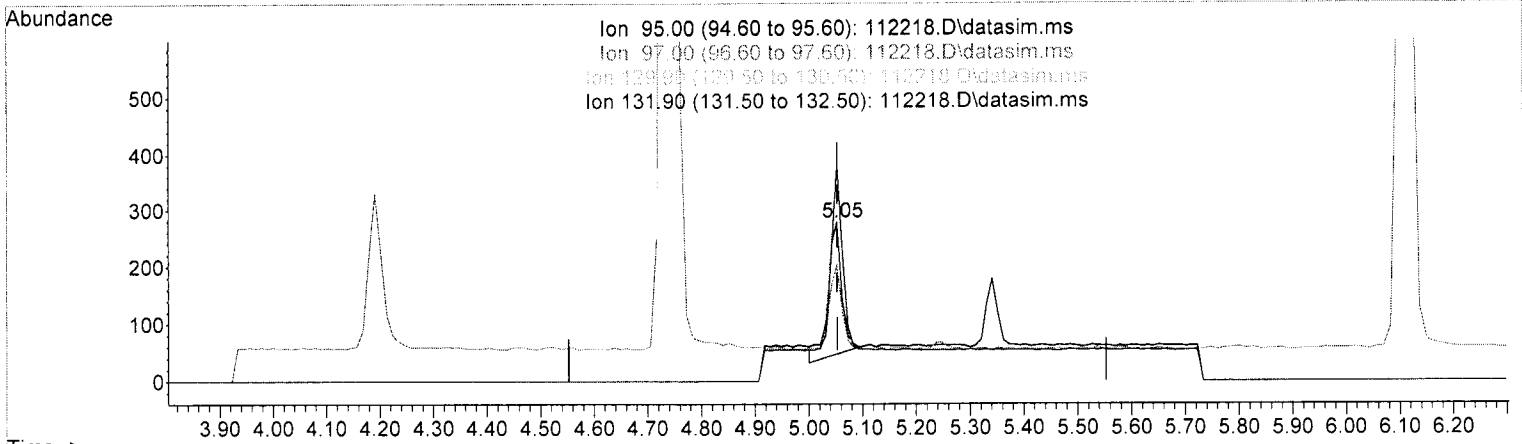
response	288	
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	111.10	113.81
98.00	64.20	71.97
0.00	0.00	0.00

Handwritten signature/initials: n/za DM

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-22-22\
 Data File : 112218.D
 Acq On : 22 Nov 2022 08:00 pm
 Operator : LM
 Sample : 0.1 ppb 8260 ICAL 68-4H
 Misc : soil/water
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 29 16:03:11 2022
 Quant Method : D:\Methods\Inst13\VB112222ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed Nov 23 09:07:37 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 112218.D\data.ms

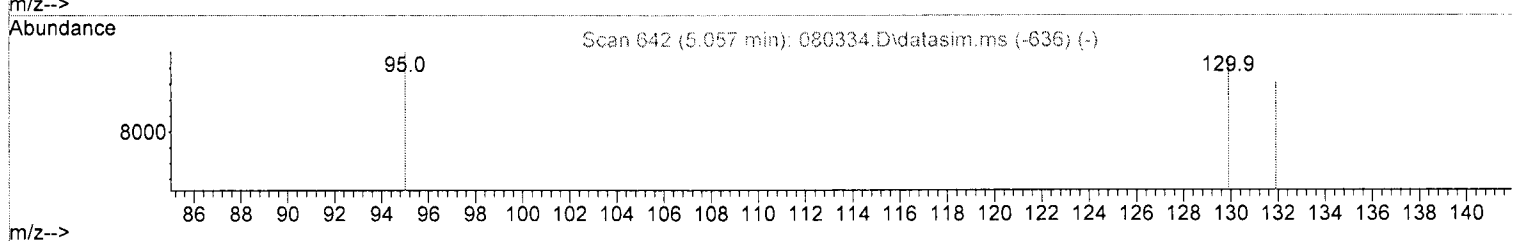
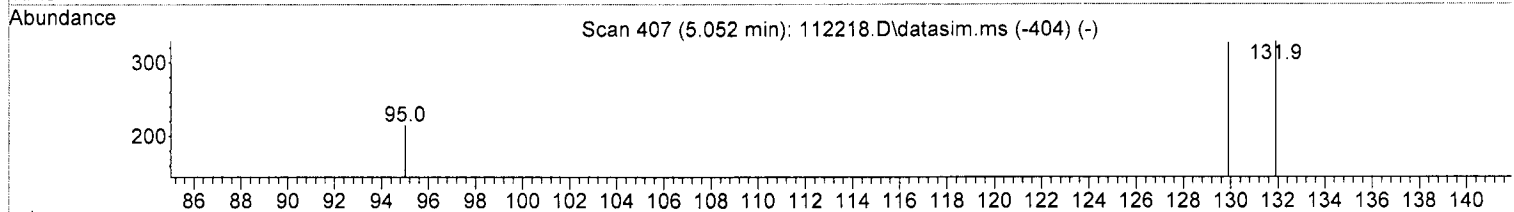
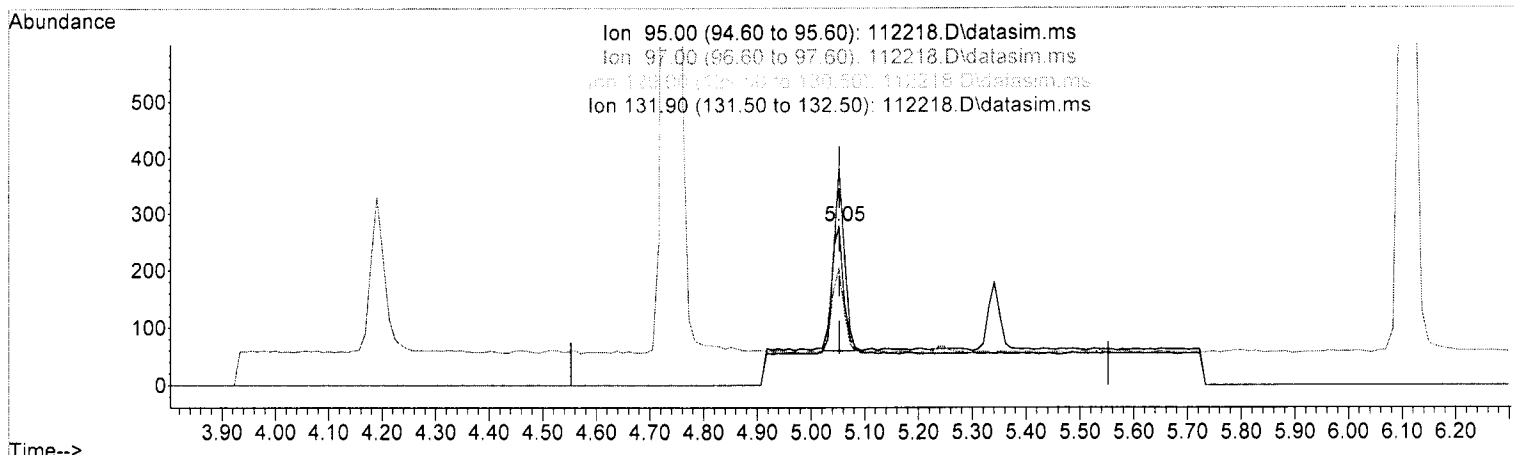
(32) Trichloroethene (TMP)
 5.052min (-0.001) 0.127 ppb
 response 418

Ion	Exp%	Act%
95.00	100.00	100.00
97.00	65.50	66.97
129.90	138.60	149.54
131.90	128.80	152.29

11/29 2022

Data Path : D:\Proc_GCMS13\11-22-22\
 Data File : 112218.D
 Acq On : 22 Nov 2022 08:00 pm
 Operator : LM
 Sample : 0.1 ppb 8260 ICAL 68-4H
 Misc : soil/water
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 29 16:03:11 2022
 Quant Method : D:\Methods\Inst13\VB112222ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed Nov 23 09:07:37 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 112218.D\data.ms

(32) Trichloroethene (TMP)
 5.052min (-0.001) 0.101 ppb m
 response 339

Ion	Exp%	Act%
95.00	100.00	100.00
97.00	65.50	73.38
129.90	138.60	137.41
131.90	128.80	138.85

M/z 200

Data Path : D:\Proc_GCMS13\11-22-22\
 Data File : 112218.D
 Acq On : 22 Nov 2022 08:00 pm
 Operator : LM
 Sample : 0.1 ppb 8260 ICAL 68-4H
 Misc : soil/water
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 29 16:03:11 2022
 Quant Method : D:\Methods\Inst13\VB112222ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed Nov 23 09:07:37 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	10.000	10.000	0.0	100	-0.01
2 TMP	Ethanol	-1.000	0.000	0.0	0	-2.34#
3 S	Dibromofluoromethane	10.000	10.006	-0.1	100	0.00
4 TMP	Dichlorodifluoromethane	-1.000	0.000	0.0	0	-1.12#
5 TMP	Chloromethane	-1.000	0.000	0.0	0	-1.26#
6 TMP	Vinyl chloride	0.100	0.101	-1.0	108	-0.02
7 TMP	Bromomethane	-1.000	0.000	0.0	0	-1.60#
8 TMP	Chloroethane	-1.000	0.000	0.0	0	-1.67#
9 TMP	Trichlorofluoromethane	-1.000	0.095	0.0	0	-0.01
10 TMP	2-Propanol	-1.000	0.000	0.0	0	-2.34#
11 TMP	Acetone	-1.000	0.000	0.0	0	-2.33#
12 TMP	1,1-Dichloroethene	0.100	0.097	3.0	97	0.00
13 TMP	Hexane	-1.000	0.000	0.0	0	-3.16#
14 TMP	Methylene chloride	-1.000	-1.000	0.0	0	-0.01
15 TMP	t-Butyl alcohol (TBA)	-1.000	0.000	0.0	0	-2.83#
16 TMP	Methyl t-butyl ether (MTBE)	0.100	0.104	-4.0	101	0.00
17 TMP	trans-1,2-Dichloroethene	0.100	0.107	-7.0	100	-0.01
18 TMP	Diisopropyl ether (DIPE)	-1.000	0.000	0.0	0	-3.35#
19 TMP	1,1-Dichloroethane	0.100	0.104	-4.0	100	-0.01
20 TMP	Ethyl t-butyl ether (ETBE)	-1.000	0.000	0.0	0	-3.66#
21 TMP	2,2-Dichloropropane	-1.000	0.000	0.0	0	-3.77#
22 TMP	cis-1,2-Dichloroethene	0.100	0.102	-2.0	100	0.00
23 TMP	Chloroform	-1.000	0.000	0.0	0	-4.04#
24 TMP	2-Butanone (MEK)	-1.000	0.000	0.0	0	-3.79#
25 TMP	t-Amyl methyl ether (TAME)	-1.000	0.000	0.0	0	-4.61#
26 TMP	1,2-Dichloroethane (EDC)	0.100	0.102	-2.0	100	-0.01
27 TMP	1,1,1-Trichloroethane	0.100	0.101	-1.0	100	0.00
28 TMP	1,1-Dichloropropene	-1.000	0.000	0.0	0	-4.33#
29 TMP	Carbon tetrachloride	-1.000	0.093	0.0	0	0.00
30 S	1,2-Dichloroethane-d4	10.000	10.109	-1.1	100	0.00
31 TMP	Benzene	0.100	0.106	-6.0	100	0.00
32 TMP	Trichloroethene	0.100	0.101	-1.0	103	0.00
33 TMP	1,2-Dichloropropane	-1.000	0.000	0.0	0	-5.24#
34 TMP	Bromodichloromethane	-1.000	0.000	0.0	0	-5.48#
35 S	Toluene-d8	10.000	10.189	-1.9	100	0.00
36 TMP	Dibromomethane	-1.000	0.000	0.0	0	-5.35#
37 TMP	4-Methyl-2-pentanone	-1.000	0.000	0.0	0	-6.02#
38 TMP	cis-1,3-Dichloropropene	-1.000	0.000	0.0	0	-5.88#
39 I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40 TMP	Toluene	0.100	0.095	5.0	100	0.00
41 TMP	trans-1,3-Dichloropropene	-1.000	0.092	0.0	0	0.00
42 TMP	1,1,2-Trichloroethane	0.100	0.099	1.0	100	0.00
43 TMP	2-Hexanone	-1.000	0.000	0.0	0	-6.76#

Data Path : D:\Proc_GCMS13\11-22-22\
 Data File : 112218.D
 Acq On : 22 Nov 2022 08:00 pm
 Operator : LM
 Sample : 0.1 ppb 8260 ICAL 68-4H
 Misc : soil/water
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 29 16:03:11 2022
 Quant Method : D:\Methods\Inst13\VB112222ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed Nov 23 09:07:37 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP 1,3-Dichloropropane	-1.000	0.000	0.0	0	-6.68#
45	TMP Tetrachloroethene	0.100	0.096	4.0	100	0.00
46	TMP Dibromochloromethane	-1.000	0.000	0.0	0	-6.88#
47	TMP 1,2-Dibromoethane (EDB)	0.100	0.098	2.0	100	0.00
48	TMP Chlorobenzene	-1.000	0.000	0.0	0	-7.43#
49	TMP Ethylbenzene	0.100	0.101	-1.0	100	0.00
50	TMP 1,1,1,2-Tetrachloroethane	-1.000	0.000	0.0	0	-7.51#
51	TMP m,p-Xylene	0.200	0.199	0.5	100	0.00
52	TMP o-Xylene	0.100	0.101	-1.0	100	0.00
53	TMP Styrene	-1.000	0.000	0.0	0	-8.03#
54	TMP Isopropylbenzene	-1.000	0.000	0.0	0	-8.37#
55	TMP Bromoform	-1.000	0.000	0.0	0	-8.20#
56	I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S 4-Bromofluorobenzene	10.000	10.008	-0.1	100	0.00
58	TMP n-Propylbenzene	-1.000	0.000	0.0	0	-8.77#
59	TMP Bromobenzene	-1.000	0.000	0.0	0	-8.65#
60	TMP 1,3,5-Trimethylbenzene	-1.000	0.000	0.0	0	-8.94#
61	TMP 1,1,2,2-Tetrachloroethane	-1.000	0.000	0.0	0	-8.65#
62	TMP 1,2,3-Trichloropropane	-1.000	0.000	0.0	0	-8.70#
63	TMP 2-Chlorotoluene	-1.000	0.000	0.0	0	-8.84#
64	TMP 4-Chlorotoluene	-1.000	0.000	0.0	0	-8.95#
65	TMP tert-Butylbenzene	-1.000	0.000	0.0	0	-9.25#
66	TMP 1,2,4-Trimethylbenzene	-1.000	0.000	0.0	0	-9.30#
67	TMP sec-Butylbenzene	-1.000	0.000	0.0	0	-9.46#
68	TMP p-Isopropyltoluene	-1.000	0.000	0.0	0	-9.61#
69	TMP 1,3-Dichlorobenzene	-1.000	0.000	0.0	0	-9.56#
70	TMP 1,4-Dichlorobenzene	-1.000	0.000	0.0	0	-9.64#
71	TMP 1,2-Dichlorobenzene	-1.000	0.000	0.0	0	-10.01#
72	TMP 1,2-Dibromo-3-chloropropane	-1.000	0.000	0.0	0	-10.77#
73	TMP 1,2,4-Trichlorobenzene	-1.000	0.000	0.0	0	-11.59#
74	TMP Hexachlorobutadiene	-1.000	0.000	0.0	0	-11.77#
75	TMP Naphthalene	0.100	0.108	-8.0	100	0.00
76	TMP 1,2,3-Trichlorobenzene	-1.000	0.000	0.0	0	-12.08#

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-22-22\
 Data File : 112218.D
 Acq On : 22 Nov 2022 08:00 pm
 Operator : LM
 Sample : 0.1 ppb 8260 ICAL 68-4H
 Misc : soil/water
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 29 16:03:11 2022
 Quant Method : D:\Methods\Inst13\VB112222ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed Nov 23 09:07:37 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	1.000	1.000	0.0	100	-0.01
2 TMP	Ethanol	0.000	0.000#	0.0	0#	-2.34#
3 S	Dibromofluoromethane	0.332	0.332	0.0	100	0.00
4 TMP	Dichlorodifluoromethane	0.625	0.000#	100.0#	0#	-1.12#
5 TMP	Chloromethane	0.403	0.000#	100.0#	0#	-1.26#
6 TMP	Vinyl chloride	0.394	0.399	-1.3	108	-0.02
7 TMP	Bromomethane	0.383	0.000#	100.0#	0#	-1.60#
8 TMP	Chloroethane	0.223	0.000#	100.0#	0#	-1.67#
9 TMP	Trichlorofluoromethane	1.059	0.000#	100.0#	0#	-0.01
10 TMP	2-Propanol	0.000	0.000	0.0	0#	-2.34#
11 TMP	Acetone	0.025	0.000#	100.0#	0#	-2.33#
12 TMP	1,1-Dichloroethene	0.252	0.244	3.2	97	0.00
13 TMP	Hexane	0.270	0.000#	100.0#	0#	-3.16#
14 TMP	Methylene chloride	0.298	0.000#	100.0#	0#	-0.01
15 TMP	t-Butyl alcohol (TBA)	0.026	0.000#	100.0#	0#	-2.83#
16 TMP	Methyl t-butyl ether (MTBE)	0.672	0.698	-3.9	101	0.00
17 TMP	trans-1,2-Dichloroethene	0.290	0.311	-7.2	100	-0.01
18 TMP	Diisopropyl ether (DIPE)	0.572	0.000#	100.0#	0#	-3.35#
19 TMP	1,1-Dichloroethane	0.394	0.412	-4.6	100	-0.01
20 TMP	Ethyl t-butyl ether (ETBE)	0.305	0.000#	100.0#	0#	-3.66#
21 TMP	2,2-Dichloropropane	0.319	0.000#	100.0#	0#	-3.77#
22 TMP	cis-1,2-Dichloroethene	0.324	0.330	-1.9	100	0.00
23 TMP	Chloroform	0.487	0.000#	100.0#	0#	-4.04#
24 TMP	2-Butanone (MEK)	0.120	0.000#	100.0#	0#	-3.79#
25 TMP	t-Amyl methyl ether (TAME)	0.614	0.000#	100.0#	0#	-4.61#
26 TMP	1,2-Dichloroethane (EDC)	0.412	0.451	-9.5	100	-0.01
27 TMP	1,1,1-Trichloroethane	0.520	0.524	-0.8	100	0.00
28 TMP	1,1-Dichloropropene	0.338	0.000#	100.0#	0#	-4.33#
29 TMP	Carbon tetrachloride	0.549	0.000#	100.0#	0#	0.00
30 S	1,2-Dichloroethane-d4	0.061	0.062	-1.6	100	0.00
31 TMP	Benzene	0.944	1.002	-6.1	100	0.00
32 TMP	Trichloroethene	0.354	0.366	-3.4	103	0.00
33 TMP	1,2-Dichloropropane	0.211	0.000#	100.0#	0#	-5.24#
34 TMP	Bromodichloromethane	0.373	0.000#	100.0#	0#	-5.48#
35 S	Toluene-d8	0.967	0.985	-1.9	100	0.00
36 TMP	Dibromomethane	0.203	0.000#	100.0#	0#	-5.35#
37 TMP	4-Methyl-2-pentanone	0.046	0.000#	100.0#	0#	-6.02#
38 TMP	cis-1,3-Dichloropropene	0.377	0.000#	100.0#	0#	-5.88#
39 I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40 TMP	Toluene	0.750	0.742	1.1	100	0.00
41 TMP	trans-1,3-Dichloropropene	0.377	0.000#	100.0#	0#	0.00
42 TMP	1,1,2-Trichloroethane	0.221	0.226	-2.3	100	0.00
43 TMP	2-Hexanone	0.168	0.000#	100.0#	0#	-6.76#

Data Path : D:\Proc_GCMS13\11-22-22\
 Data File : 112218.D
 Acq On : 22 Nov 2022 08:00 pm
 Operator : LM
 Sample : 0.1 ppb 8260 ICAL 68-4H
 Misc : soil/water
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 29 16:03:11 2022
 Quant Method : D:\Methods\Inst13\VB112222ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed Nov 23 09:07:37 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.356	0.000#	100.0#	0#	-6.68#
45 TMP Tetrachloroethene	0.462	0.474	-2.6	100	0.00
46 TMP Dibromochloromethane	0.463	0.000#	100.0#	0#	-6.88#
47 TMP 1,2-Dibromoethane (EDB)	0.344	0.337	2.0	100	0.00
48 TMP Chlorobenzene	0.950	0.000#	100.0#	0#	-7.43#
49 TMP Ethylbenzene	1.361	1.403	-3.1	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.423	0.000#	100.0#	0#	-7.51#
51 TMP m,p-Xylene	0.593	0.606	-2.2	100	0.00
52 TMP o-Xylene	0.590	0.610	-3.4	100	0.00
53 TMP Styrene	0.860	0.000#	100.0#	0#	-8.03#
54 TMP Isopropylbenzene	1.373	0.000#	100.0#	0#	-8.37#
55 TMP Bromoform	0.326	0.000#	100.0#	0#	-8.20#
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	0.635	0.636	-0.2	100	0.00
58 TMP n-Propylbenzene	2.319	0.000#	100.0#	0#	-8.77#
59 TMP Bromobenzene	0.844	0.000#	100.0#	0#	-8.65#
60 TMP 1,3,5-Trimethylbenzene	1.903	0.000#	100.0#	0#	-8.94#
61 TMP 1,1,2,2-Tetrachloroethane	0.473	0.000#	100.0#	0#	-8.65#
62 TMP 1,2,3-Trichloropropane	0.370	0.000#	100.0#	0#	-8.70#
63 TMP 2-Chlorotoluene	1.374	0.000#	100.0#	0#	-8.84#
64 TMP 4-Chlorotoluene	1.629	0.000#	100.0#	0#	-8.95#
65 TMP tert-Butylbenzene	1.942	0.000#	100.0#	0#	-9.25#
66 TMP 1,2,4-Trimethylbenzene	1.964	0.000#	100.0#	0#	-9.30#
67 TMP sec-Butylbenzene	2.462	0.000#	100.0#	0#	-9.46#
68 TMP p-Isopropyltoluene	2.410	0.000#	100.0#	0#	-9.61#
69 TMP 1,3-Dichlorobenzene	1.491	0.000#	100.0#	0#	-9.56#
70 TMP 1,4-Dichlorobenzene	1.486	0.000#	100.0#	0#	-9.64#
71 TMP 1,2-Dichlorobenzene	1.416	0.000#	100.0#	0#	-10.01#
72 TMP 1,2-Dibromo-3-chloropropane	0.097	0.000#	100.0#	0#	-10.77#
73 TMP 1,2,4-Trichlorobenzene	0.944	0.000#	100.0#	0#	-11.59#
74 TMP Hexachlorobutadiene	0.565	0.000#	100.0#	0#	-11.77#
75 TMP Naphthalene	1.846	1.993	-8.0	100	0.00
76 TMP 1,2,3-Trichlorobenzene	0.804	0.000#	100.0#	0#	-12.08#

(#) = Out of Range

SPCC's out = 50 CCC's out = 0

Data Path : D:\Proc_GCMS13\11-22-22\
 Data File : 112218.D
 Acq On : 22 Nov 2022 08:00 pm
 Operator : LM
 Sample : 0.1 ppb 8260 ICAL 68-4H
 Misc : soil/water
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 29 16:03:11 2022
 Quant Method : D:\Methods\Inst13\VB112222ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed Nov 23 09:07:37 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	4.73	96	92510	10.000	ppb	-0.01	
39) Chlorobenzene-d5	7.40	117	89296	10.000	ppb	0.00	
56) 1,4-Dichlorobenzene-d4	9.62	152	53440	10.000	ppb	0.00	
System Monitoring Compounds							
3) Dibromofluoromethane	4.17	113	30698	10.006	ppb	0.00	
Spiked Amount	10.000	Range 50 - 150	Recovery	=	100.10%		
30) 1,2-Dichloroethane-d4	4.45	102	5750	10.109	ppb	0.00	
Spiked Amount	10.000	Range 84 - 120	Recovery	=	101.10%		
35) Toluene-d8	6.10	98	91140	10.189	ppb	0.00	
Spiked Amount	10.000	Range 73 - 128	Recovery	=	101.90%		
57) 4-Bromofluorobenzene	8.51	95	33971	10.008	ppb	0.00	
Spiked Amount	10.000	Range 57 - 146	Recovery	=	100.10%		
Target Compounds							
2) Ethanol	0.00		0	N.D.			Qvalue
4) Dichlorodifluoromethane	0.00		0	N.D.	d		
5) Chloromethane	0.00		0	N.D.	d		
6] Vinyl chloride	1.33	62	369m	0.101	ppb		
7) Bromomethane	0.00		0	N.D.			
8) Chloroethane	0.00		0	N.D.	d		
9) Trichlorofluoromethane	1.86	101	931	N.D.			
10) 2-Propanol	0.00		0	N.D.			
11) Acetone	0.00		0	N.D.	d		
12] 1,1-Dichloroethene	2.27	96	226m	0.097	ppb		
13) Hexane	0.00		0	N.D.	d		
14) Methylene chloride	2.68	84	2299	Below Cal		89	
15) t-Butyl alcohol (TBA)	0.00		0	N.D.	d		
16] Methyl t-butyl ether (...)	2.93	73	646m	0.104	ppb		
17] trans-1,2-Dichloroethene	2.91	96	288m	0.107	ppb		
18) Diisopropyl ether (DIPE)	0.00		0	N.D.	d		
19] 1,1-Dichloroethane	3.27	63	381	0.104	ppb	98	
20) Ethyl t-butyl ether (E...)	0.00		0	N.D.	d		
21) 2,2-Dichloropropane	0.00		0	N.D.	d		
22] cis-1,2-Dichloroethene	3.77	96	305	0.102	ppb	91	
23) Chloroform	0.00		0	N.D.	d		
24) 2-Butanone (MEK)	0.00		0	N.D.	d		
25) t-Amyl methyl ether (T...)	0.00		0	N.D.	d		
26] 1,2-Dichloroethane (EDC)	4.52	62	417	0.102	ppb	97	
27] 1,1,1-Trichloroethane	4.19	97	485	0.101	ppb	93	
28) 1,1-Dichloropropene	0.00		0	N.D.	d		
29) Carbon tetrachloride	4.33	117	475	N.D.			
31] Benzene	4.50	78	927	0.106	ppb	97	
32] Trichloroethene	5.05	95	339m	0.101	ppb		
33) 1,2-Dichloropropane	0.00		0	N.D.	d		
34) Bromodichloromethane	0.00		0	N.D.	d		
36) Dibromomethane	0.00		0	N.D.	d		

Data Path : D:\Proc_GCMS13\11-22-22\
 Data File : 112218.D
 Acq On : 22 Nov 2022 08:00 pm
 Operator : LM
 Sample : 0.1 ppb 8260 ICAL 68-4H
 Misc : soil/water
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS13

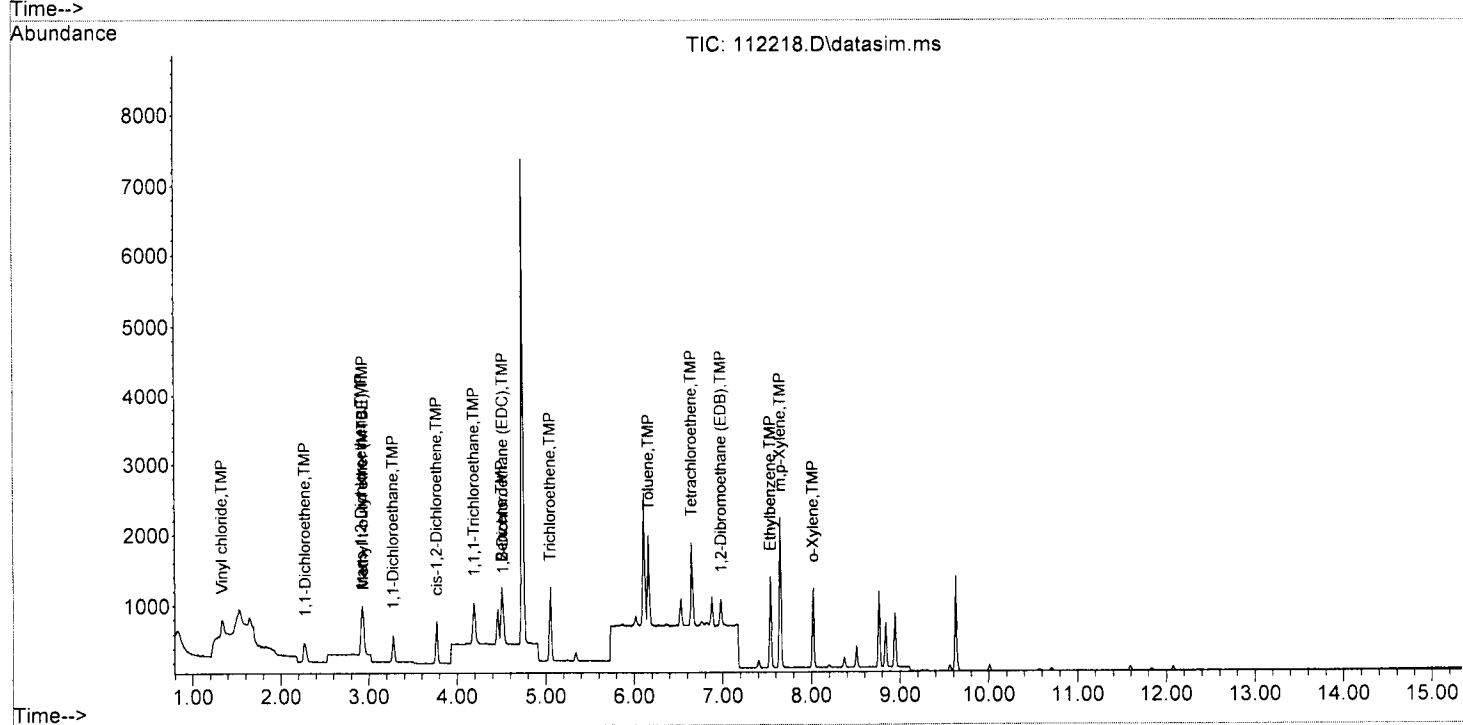
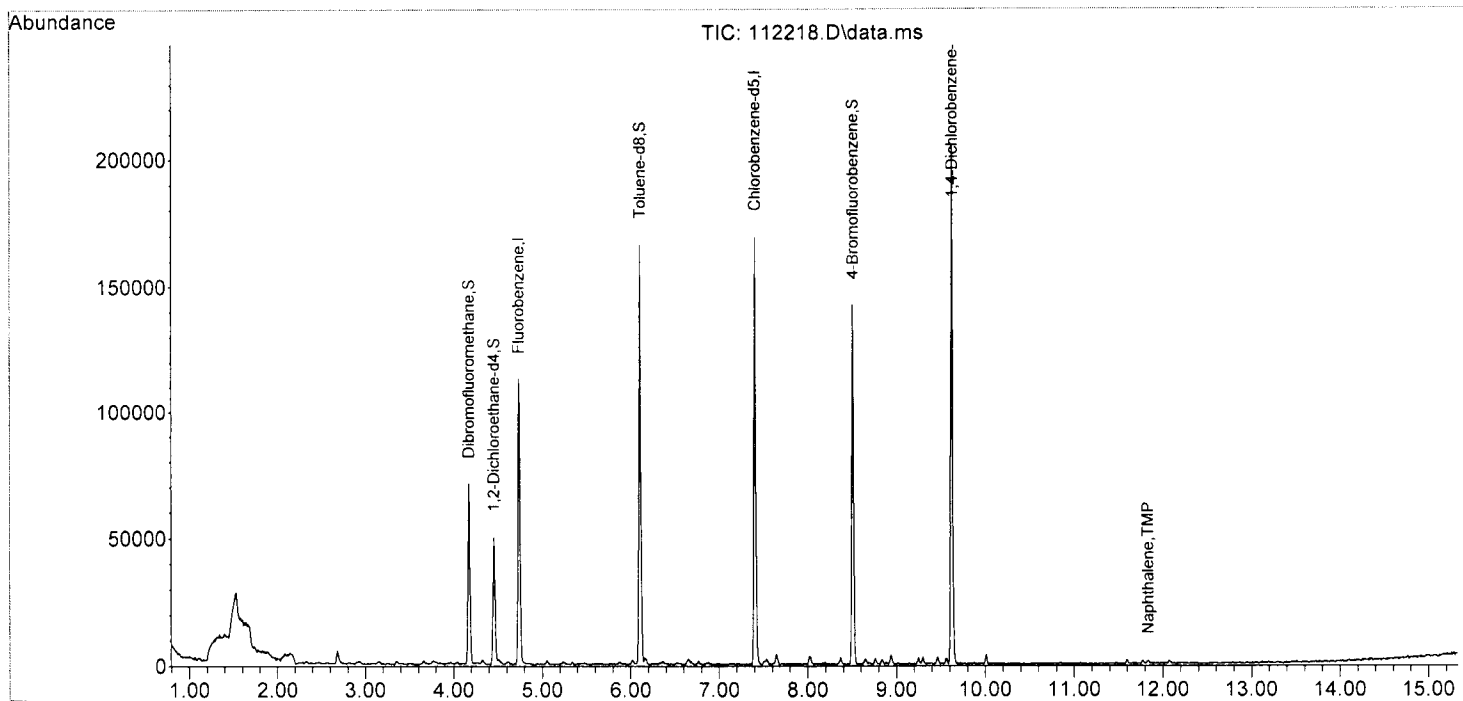
Quant Time: Nov 29 16:03:11 2022
 Quant Method : D:\Methods\Inst13\VB112222ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed Nov 23 09:07:37 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.00		0	N.D.	d	
38) cis-1,3-Dichloropropene	0.00		0	N.D.	d	
40] Toluene	6.16	92	663	0.095	ppb	99
41) trans-1,3-Dichloropropene	6.36	75	311	N.D.		
42) 1,1,2-Trichloroethane	6.53	83	202	N.D.		
43) 2-Hexanone	0.00		0	N.D.	d	
44) 1,3-Dichloropropane	0.00		0	N.D.	d	
45] Tetrachloroethene	6.65	164	423	0.096	ppb	98
46) Dibromochloromethane	0.00		0	N.D.	d	
47] 1,2-Dibromoethane (EDB)	6.98	107	301	0.098	ppb	97
48) Chlorobenzene	0.00		0	N.D.	d	
49] Ethylbenzene	7.54	91	1253	0.101	ppb	99
50) 1,1,1,2-Tetrachloroethane	0.00		0	N.D.	d	
51] m,p-Xylene	7.65	106	1082	0.199	ppb	99
52] o-Xylene	8.02	106	545	0.101	ppb	98
53) Styrene	0.00		0	N.D.	d	
54) Isopropylbenzene	0.00		0	N.D.	d	
55) Bromoform	0.00		0	N.D.	d	
58) n-Propylbenzene	0.00		0	N.D.	d	
59) Bromobenzene	0.00		0	N.D.	d	
60) 1,3,5-Trimethylbenzene	0.00		0	N.D.	d	
61) 1,1,2,2-Tetrachloroethane	0.00		0	N.D.	d	
62) 1,2,3-Trichloropropane	0.00		0	N.D.	d	
63) 2-Chlorotoluene	0.00		0	N.D.	d	
64) 4-Chlorotoluene	0.00		0	N.D.	d	
65) tert-Butylbenzene	0.00		0	N.D.	d	
66) 1,2,4-Trimethylbenzene	0.00		0	N.D.	d	
67) sec-Butylbenzene	0.00		0	N.D.	d	
68) p-Isopropyltoluene	0.00		0	N.D.	d	
69) 1,3-Dichlorobenzene	0.00		0	N.D.	d	
70) 1,4-Dichlorobenzene	0.00		0	N.D.	d	
71) 1,2-Dichlorobenzene	0.00		0	N.D.	d	
72) 1,2-Dibromo-3-chloropr...	0.00		0	N.D.		
73) 1,2,4-Trichlorobenzene	0.00		0	N.D.	d	
74) Hexachlorobutadiene	0.00		0	N.D.	d	
75) Naphthalene	11.83	128	1065	0.108	ppb	89
76) 1,2,3-Trichlorobenzene	0.00		0	N.D.	d	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS13\11-22-22\
 Data File : 112218.D
 Acq On : 22 Nov 2022 08:00 pm
 Operator : LM
 Sample : 0.1 ppb 8260 ICAL 68-4H
 Misc : soil/water
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS13

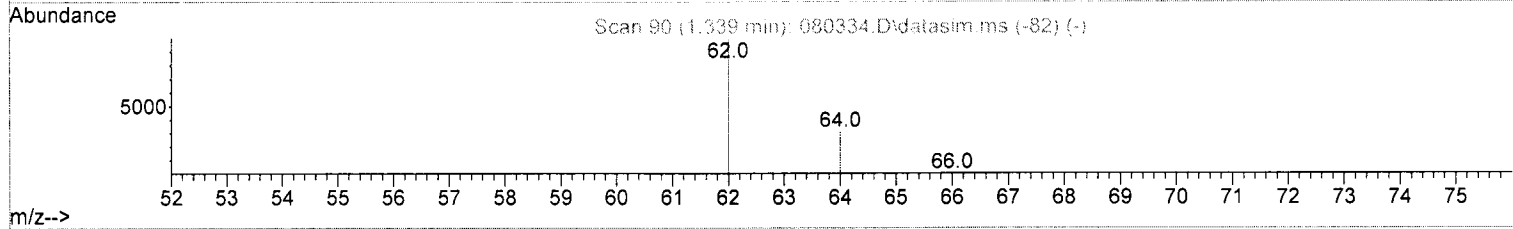
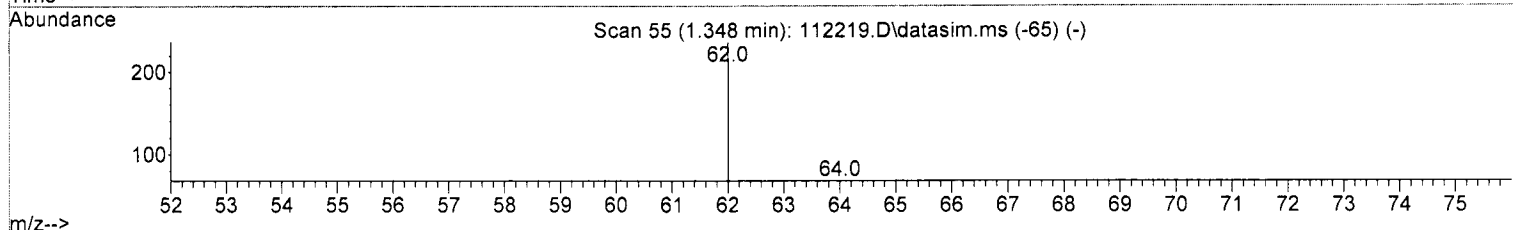
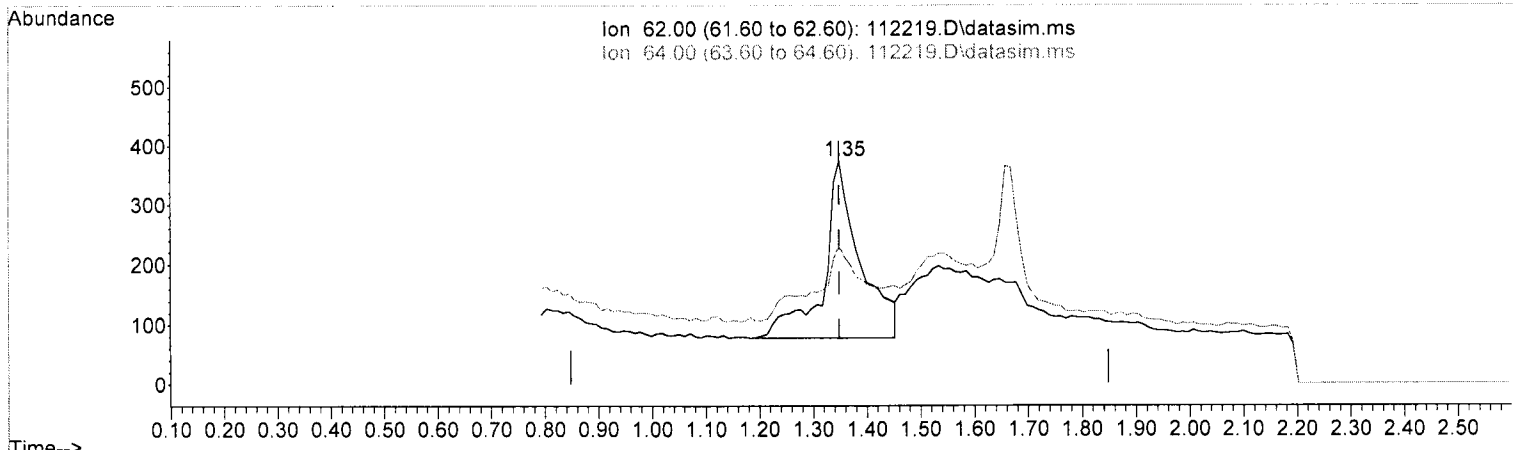
Quant Time: Nov 29 16:03:11 2022
 Quant Method : D:\Methods\Inst13\VB112222ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed Nov 23 09:07:37 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-22-22\
 Data File : 112219.D
 Acq On : 22 Nov 2022 08:23 pm
 Operator : LM
 Sample : 0.2 ppb 8260 ICAL 68-4I
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 29 16:03:13 2022
 Quant Method : D:\Methods\Inst13\VB112222ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed Nov 23 09:07:37 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 112219.D\data.ms

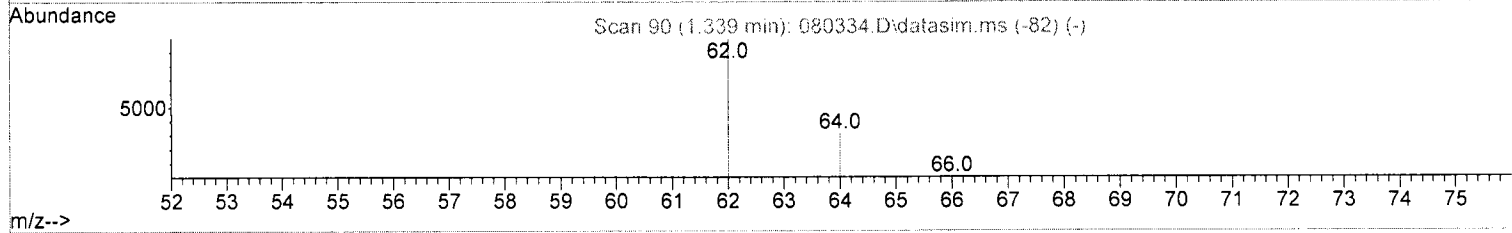
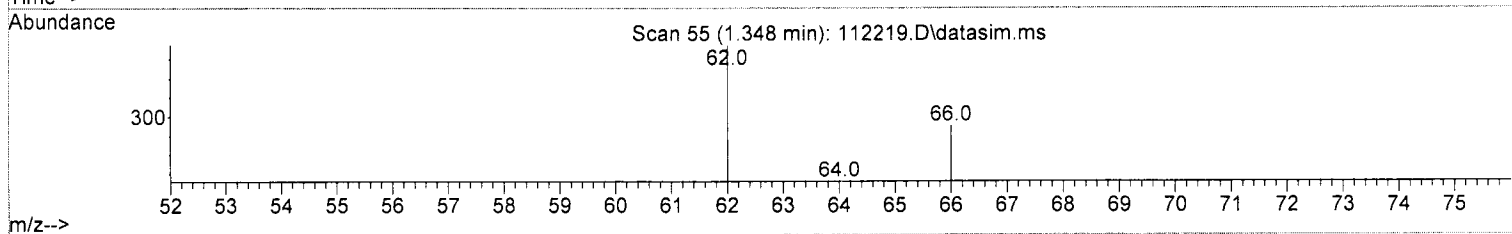
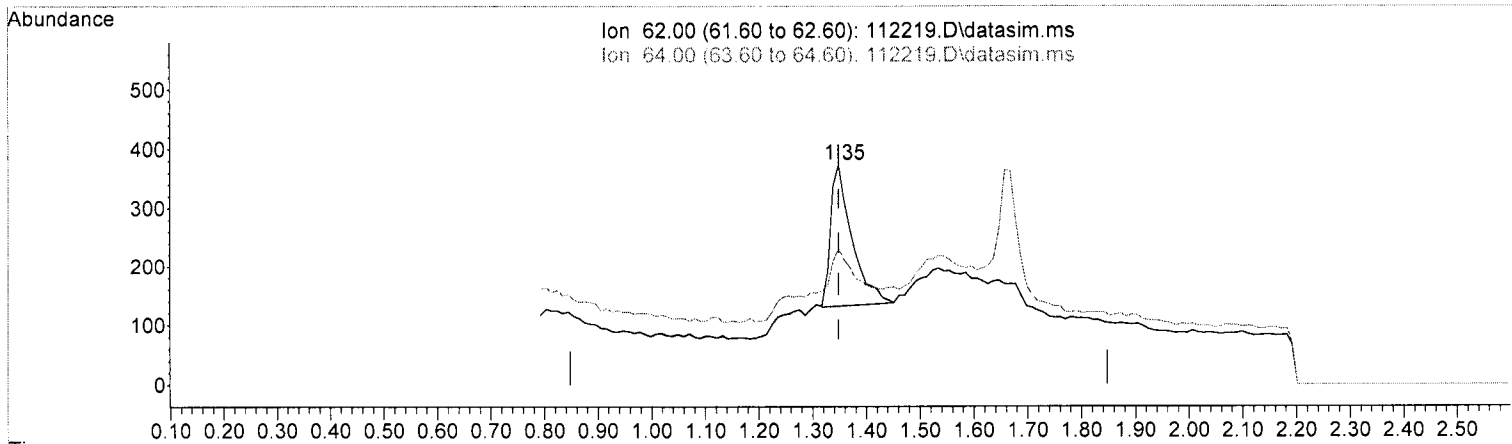
(6) Vinyl chloride (TMP)		
1.348min (+ 0.000)	0.345 ppb	
response	1398	
Ion	Exp%	Act%
62.00	100.00	100.00
64.00	33.40	40.74
0.00	0.00	0.00
0.00	0.00	0.00

11/29 DM

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-22-22\
 Data File : 112219.D
 Acq On : 22 Nov 2022 08:23 pm
 Operator : LM
 Sample : 0.2 ppb 8260 ICAL 68-4I
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 29 16:03:13 2022
 Quant Method : D:\Methods\Inst13\VB112222ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed Nov 23 09:07:37 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 112219.D\data.ms

(6) Vinyl chloride (TMP)

1.348min (+ 0.000) 0.165 ppb m

response 668

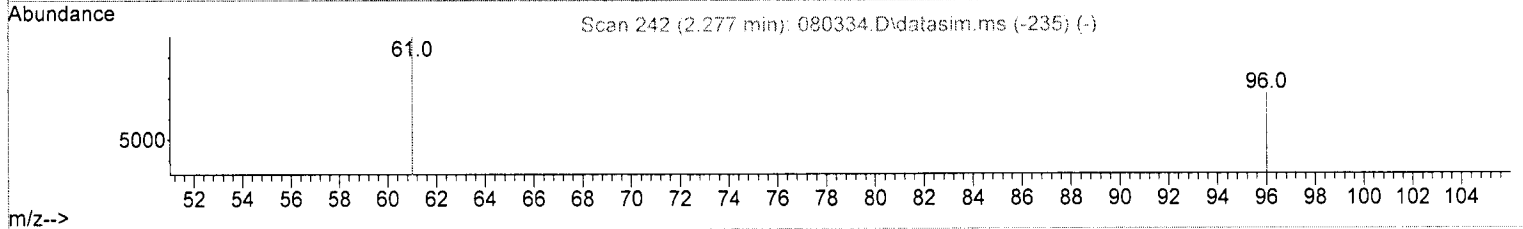
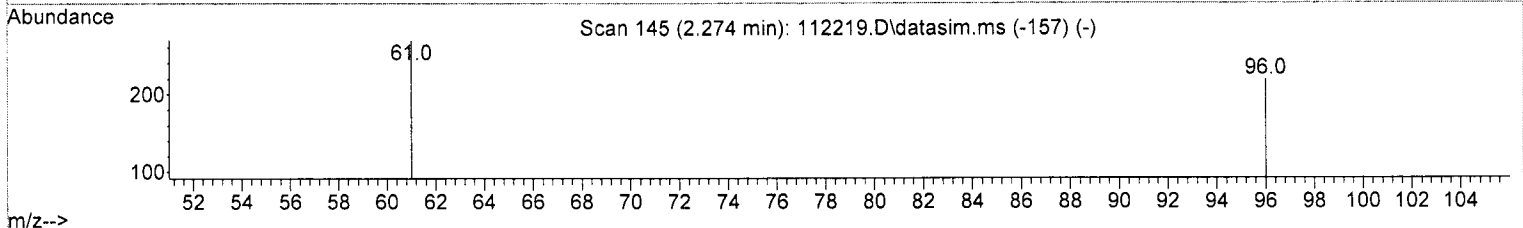
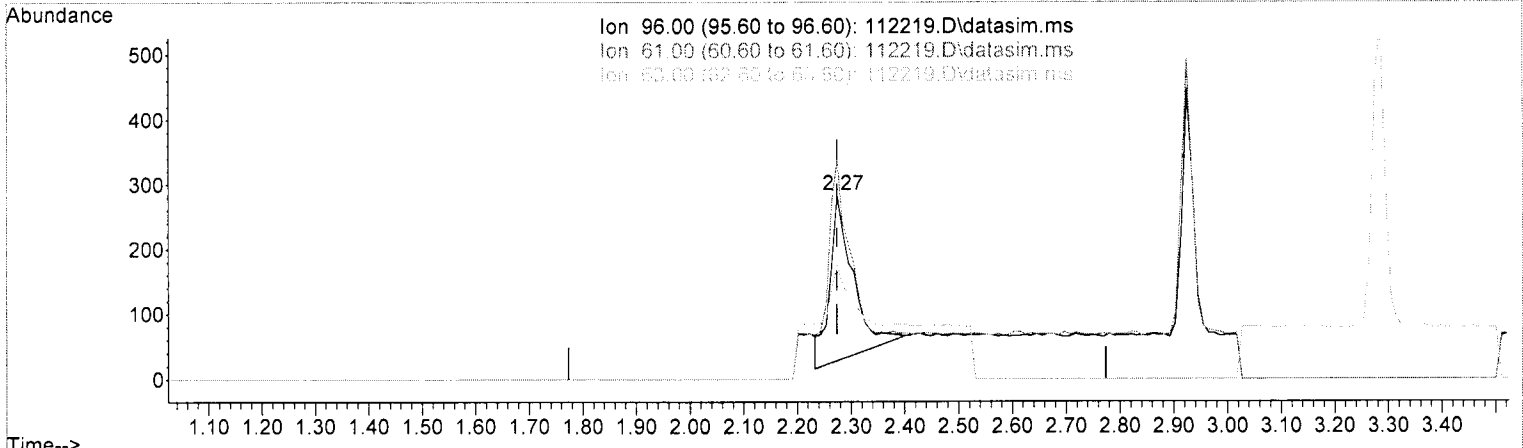
Ion	Exp%	Act%
62.00	100.00	100.00
64.00	33.40	62.03
0.00	0.00	0.00
0.00	0.00	0.00

11/29 LM

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-22-22\
 Data File : 112219.D
 Acq On : 22 Nov 2022 08:23 pm
 Operator : LM
 Sample : 0.2 ppb 8260 ICAL 68-4I
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 29 16:03:13 2022
 Quant Method : D:\Methods\Inst13\VB112222ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed Nov 23 09:07:37 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 112219.D\data.ms

(12) 1,1-Dichloroethene (TMP)

2.274min (+ 0.000) 0.293 ppb

response 758

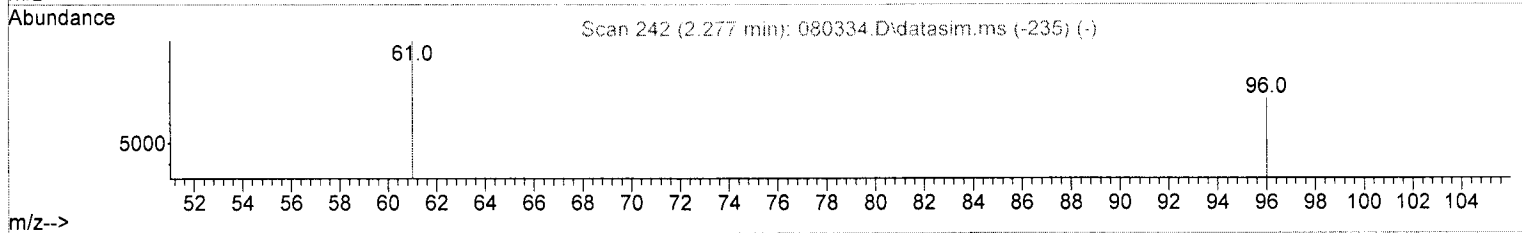
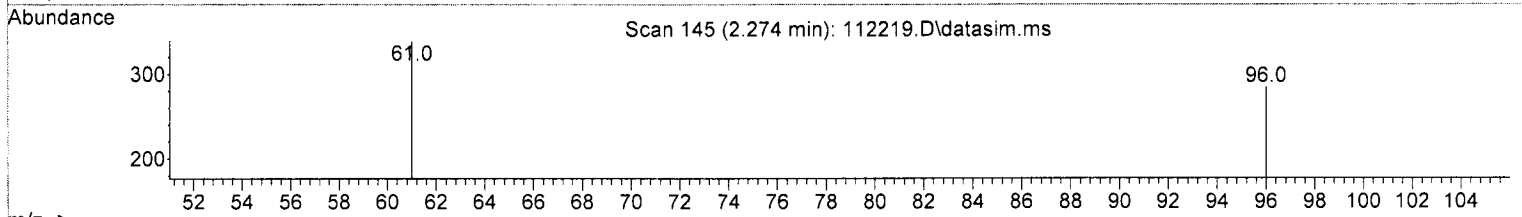
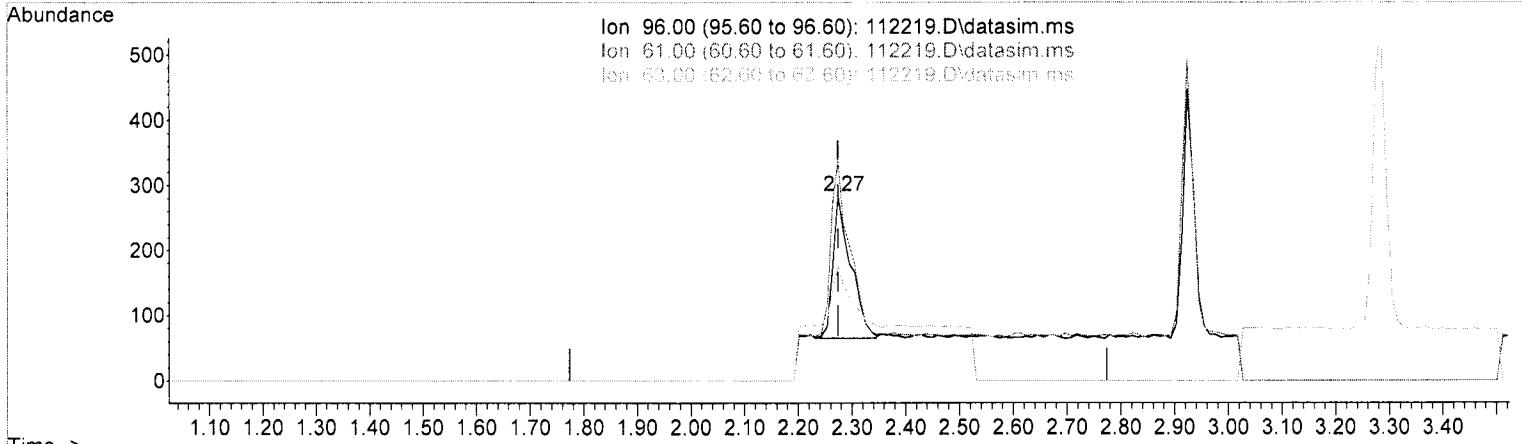
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	125.30	123.74
63.00	42.80	41.55
0.00	0.00	0.00

11/29 LM

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-22-22\
 Data File : 112219.D
 Acq On : 22 Nov 2022 08:23 pm
 Operator : LM
 Sample : 0.2 ppb 8260 ICAL 68-4I
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 29 16:03:13 2022
 Quant Method : D:\Methods\Inst13\VB112222ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed Nov 23 09:07:37 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 112219.D\data.ms

(12) 1,1-Dichloroethene (TMP)
 2.274min (+ 0.000) 0.195 ppb m

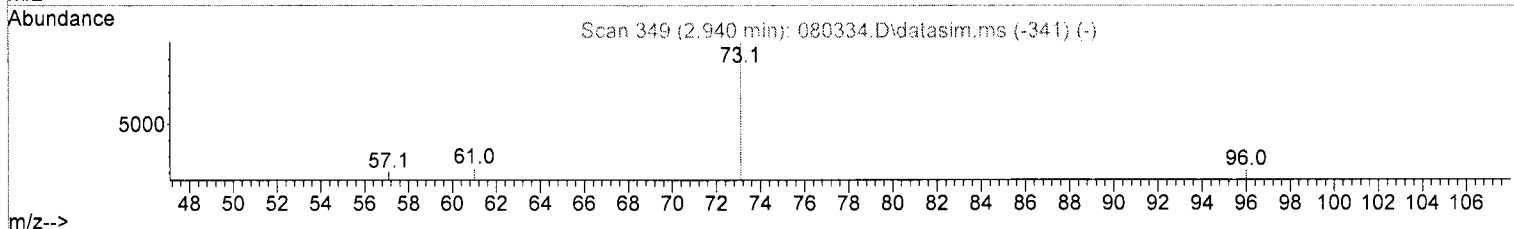
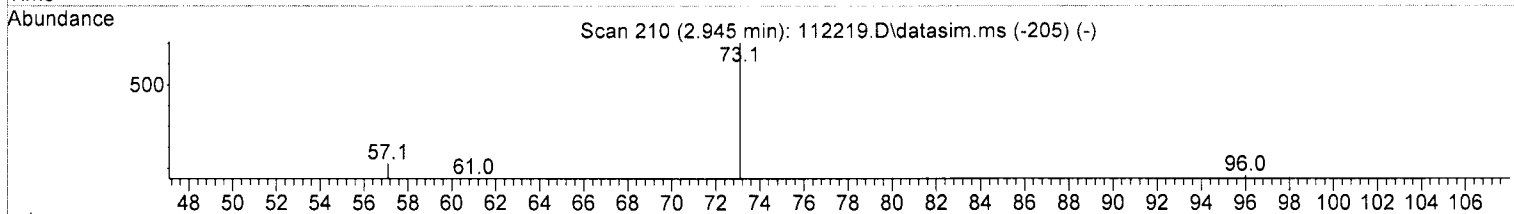
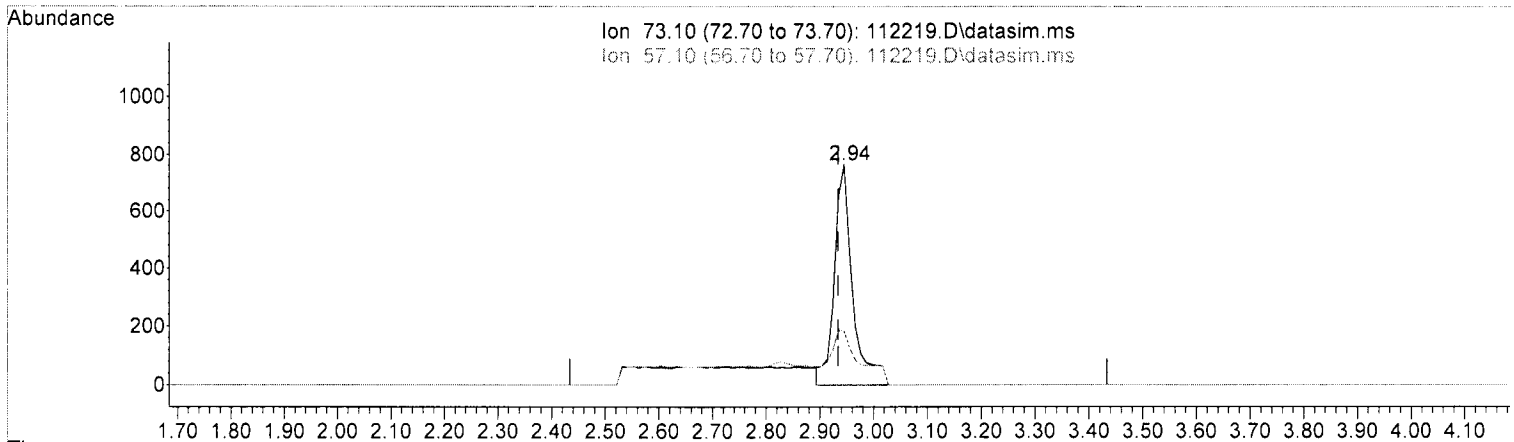
response	504	
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	125.30	119.37
63.00	42.80	61.97
0.00	0.00	0.00

11/29 LM

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-22-22\
 Data File : 112219.D
 Acq On : 22 Nov 2022 08:23 pm
 Operator : LM
 Sample : 0.2 ppb 8260 ICAL 68-4I
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 29 16:03:13 2022
 Quant Method : D:\Methods\Inst13\VB112222ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed Nov 23 09:07:37 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 112219.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

2.945min (+ 0.011) 0.256 ppb

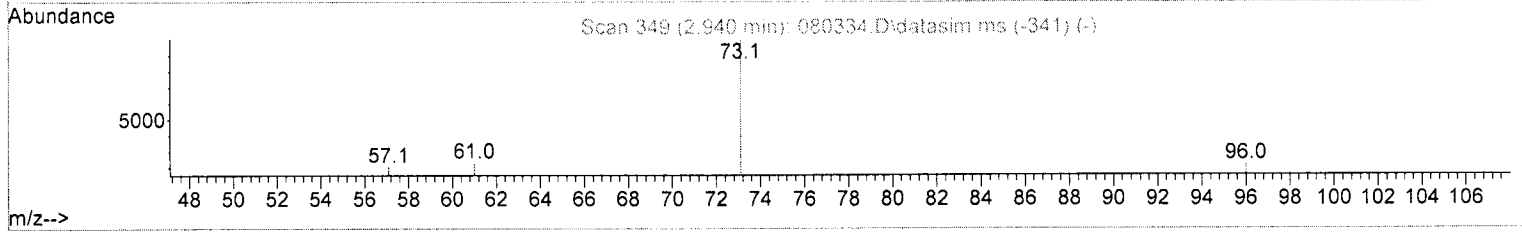
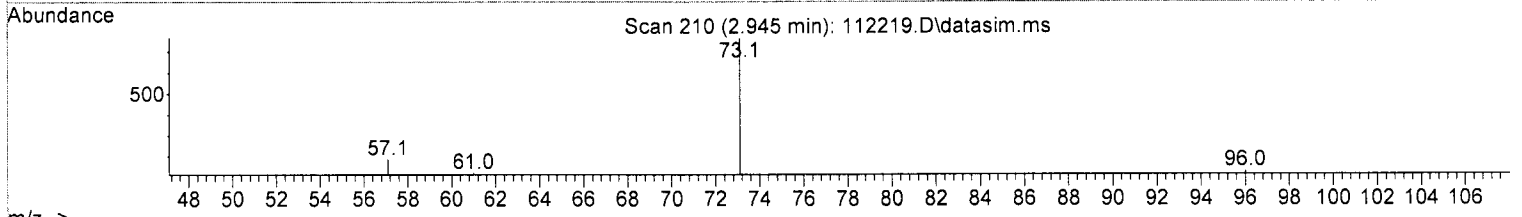
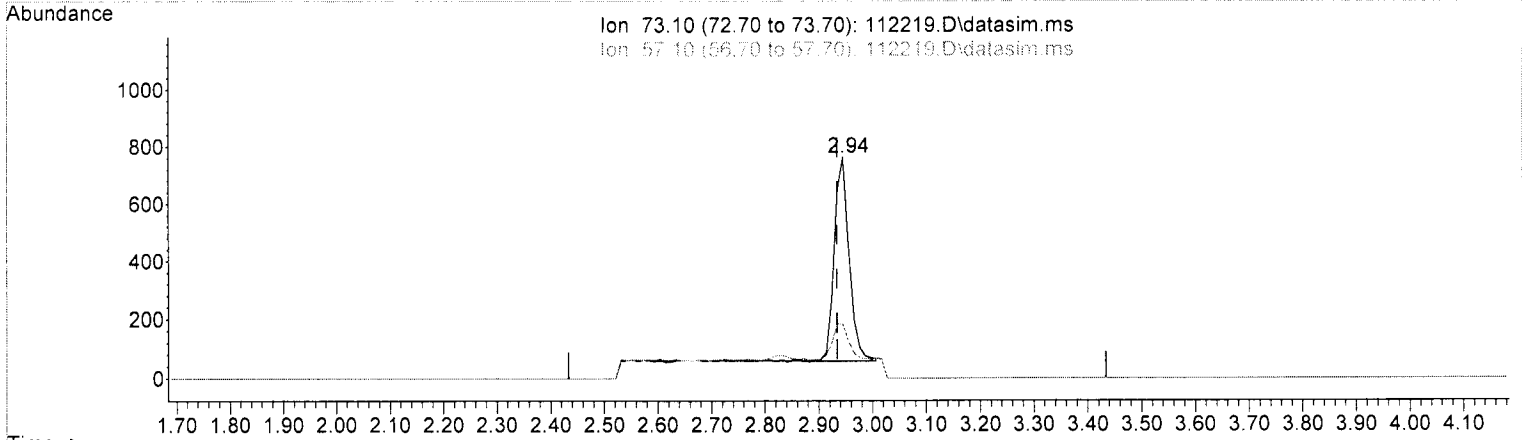
response	1783
Ion	Exp% Act%
73.10	100.00 100.00
57.10	19.60 24.08
0.00	0.00 0.00
0.00	0.00 0.00

Handwritten signature: LM

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-22-22\
 Data File : 112219.D
 Acq On : 22 Nov 2022 08:23 pm
 Operator : LM
 Sample : 0.2 ppb 8260 ICAL 68-4I
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 29 16:03:13 2022
 Quant Method : D:\Methods\Inst13\VB112222ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 Qlast Update : Wed Nov 23 09:07:37 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 112219.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

2.945min (+ 0.011) 0.194 ppb m

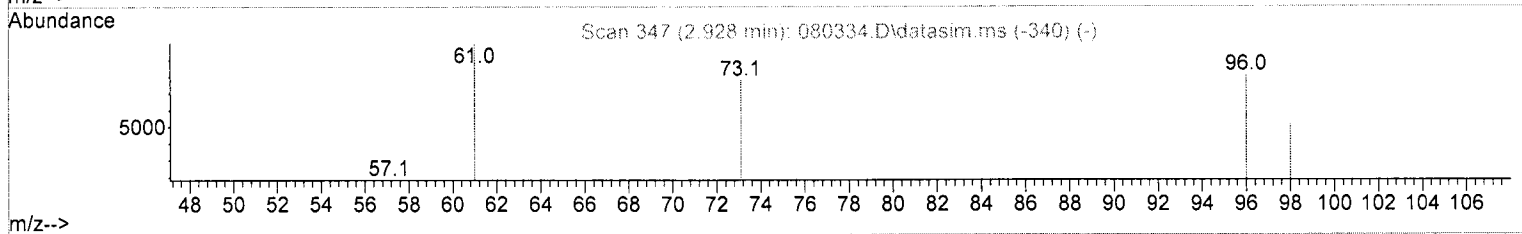
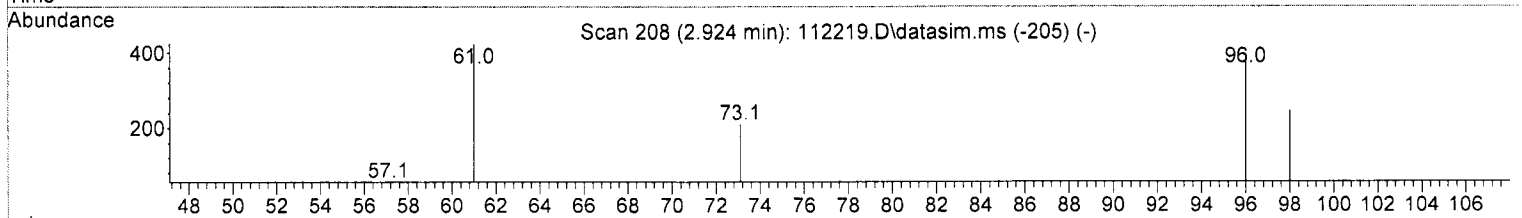
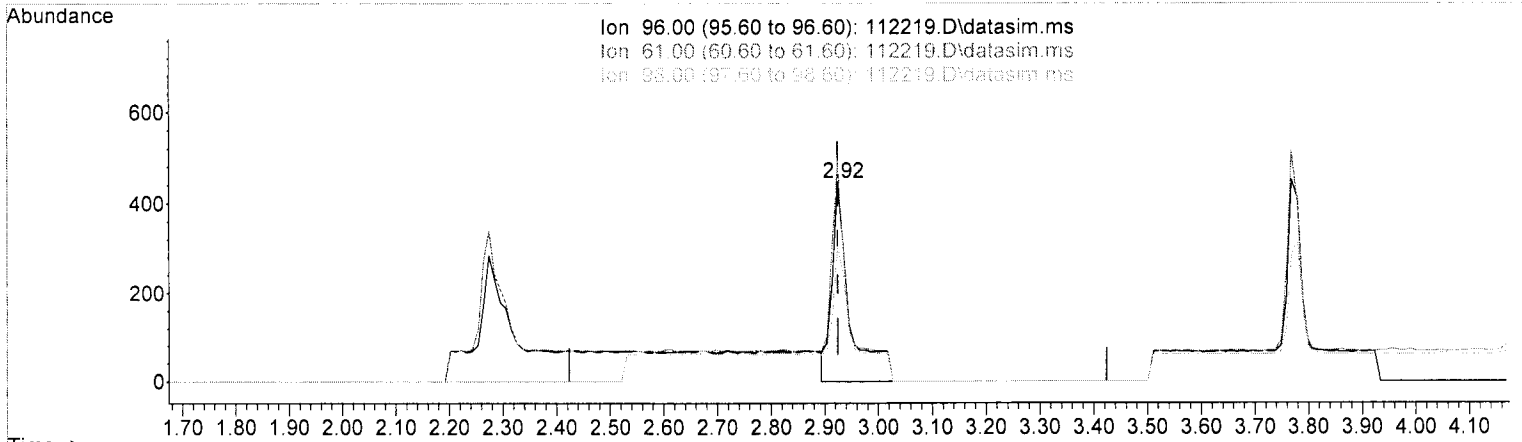
response	1341
Ion	Exp% Act%
73.10	100.00 100.00
57.10	19.60 24.08
0.00	0.00 0.00
0.00	0.00 0.00

11/29 LM

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-22-22\
 Data File : 112219.D
 Acq On : 22 Nov 2022 08:23 pm
 Operator : LM
 Sample : 0.2 ppb 8260 ICAL 68-4I
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 29 16:03:13 2022
 Quant Method : D:\Methods\Inst13\VB112222ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed Nov 23 09:07:37 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 112219.D\data.ms

(17) trans-1,2-Dichloroethene (TMP)
 2.924min (+ 0.000) 0.350 ppb

response 1044

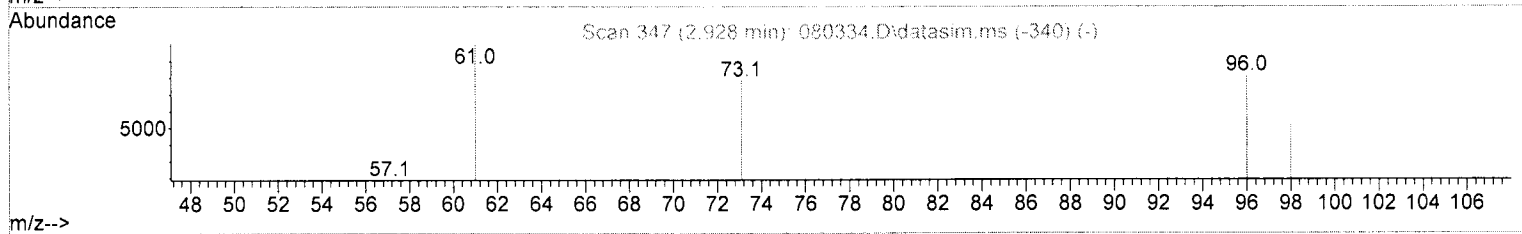
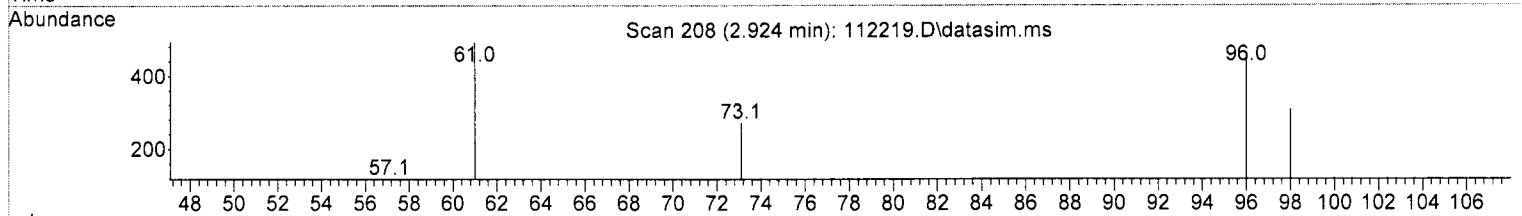
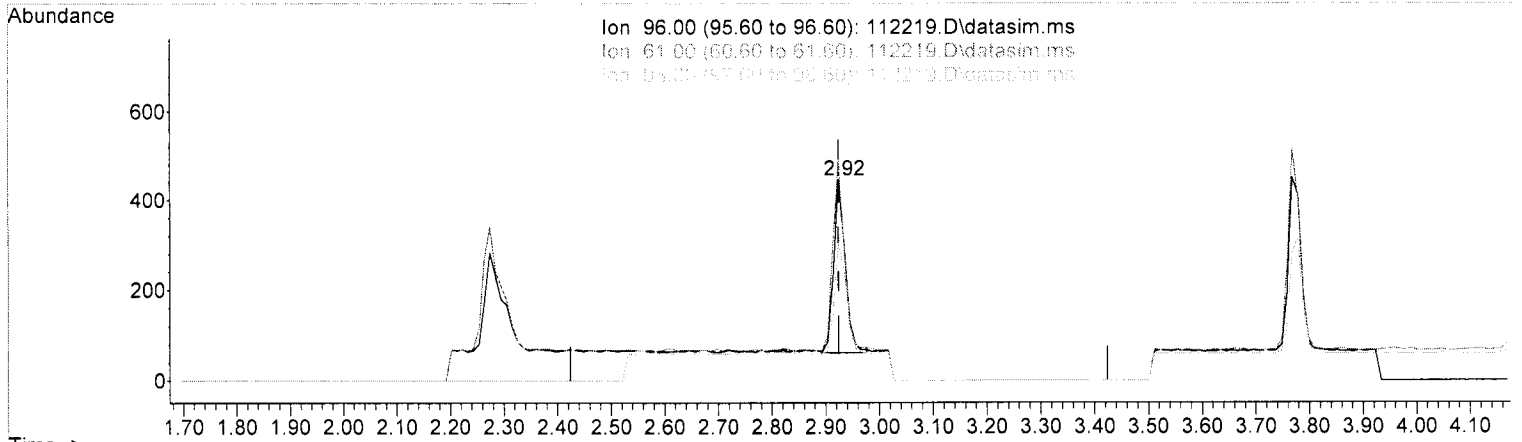
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	111.10	110.54
98.00	64.20	68.61
0.00	0.00	0.00

Handwritten note: 1/22 LM

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-22-22\
 Data File : 112219.D
 Acq On : 22 Nov 2022 08:23 pm
 Operator : LM
 Sample : 0.2 ppb 8260 ICAL 68-4I
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 29 16:03:13 2022
 Quant Method : D:\Methods\Inst13\VB112222ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed Nov 23 09:07:37 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 112219.D\data.ms

(17) trans-1,2-Dichloroethene (TMP)

2.924min (+ 0.000) 0.190 ppb m

response 566

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	111.10	110.54
98.00	64.20	68.61
0.00	0.00	0.00

11/29 LM

Data Path : D:\Proc_GCMS13\11-22-22\
 Data File : 112219.D
 Acq On : 22 Nov 2022 08:23 pm
 Operator : LM
 Sample : 0.2 ppb 8260 ICAL 68-4I
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 29 16:03:13 2022
 Quant Method : D:\Methods\Inst13\VB112222ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed Nov 23 09:07:37 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2 TMP	Ethanol	-1.000	0.000	0.0	0	-2.34#
3 S	Dibromofluoromethane	10.000	9.310	6.9	100	0.00
4 TMP	Dichlorodifluoromethane	0.200	0.223	-11.5	100	0.01
5 TMP	Chloromethane	-1.000	0.000	0.0	0	-1.26#
6 TMP	Vinyl chloride	0.200	0.165	17.5	98	0.00
7 TMP	Bromomethane	-1.000	0.000	0.0	0	-1.60#
8 TMP	Chloroethane	-1.000	0.000	0.0	0	-1.67#
9 TMP	Trichlorofluoromethane	-1.000	0.000	0.0	0	-1.87#
10 TMP	2-Propanol	-1.000	0.000	0.0	0	-2.34#
11 TMP	Acetone	-1.000	0.000	0.0	0	-2.33#
12 TMP	1,1-Dichloroethene	0.200	0.195	2.5	104	0.00
13 TMP	Hexane	-1.000	0.000	0.0	0	-3.16#
14 TMP	Methylene chloride	-1.000	0.000	0.0	0	-2.69#
15 TMP	t-Butyl alcohol (TBA)	-1.000	0.000	0.0	0	-2.83#
16 TMP	Methyl t-butyl ether (MTBE)	0.200	0.194	3.0	102	0.01
17 TMP	trans-1,2-Dichloroethene	0.200	0.190	5.0	102	0.00
18 TMP	Diisopropyl ether (DIPE)	0.200	0.213	-6.5	100	0.00
19 TMP	1,1-Dichloroethane	0.200	0.189	5.5	100	0.00
20 TMP	Ethyl t-butyl ether (ETBE)	0.200	0.201	-0.5	100	0.01
21 TMP	2,2-Dichloropropane	0.200	0.187	6.5	100	0.00
22 TMP	cis-1,2-Dichloroethene	0.200	0.191	4.5	100	0.00
23 TMP	Chloroform	0.200	0.190	5.0	100	0.00
24 TMP	2-Butanone (MEK)	-1.000	0.000	0.0	0	-3.79#
25 TMP	t-Amyl methyl ether (TAME)	0.200	0.220	-10.0	100	0.01
26 TMP	1,2-Dichloroethane (EDC)	0.200	0.197	1.5	100	0.00
27 TMP	1,1,1-Trichloroethane	0.200	0.190	5.0	100	0.00
28 TMP	1,1-Dichloropropene	0.200	0.229	-14.5	100	0.00
29 TMP	Carbon tetrachloride	0.200	0.184	8.0	100	0.00
30 S	1,2-Dichloroethane-d4	10.000	9.232	7.7	100	0.00
31 TMP	Benzene	0.200	0.191	4.5	100	0.00
32 TMP	Trichloroethene	0.200	0.188	6.0	100	0.00
33 TMP	1,2-Dichloropropane	0.200	0.239	-19.5	100	0.00
34 TMP	Bromodichloromethane	0.200	0.210	-5.0	100	0.00
35 S	Toluene-d8	10.000	9.229	7.7	100	0.00
36 TMP	Dibromomethane	0.200	0.207	-3.5	100	0.00
37 TMP	4-Methyl-2-pentanone	-1.000	0.912	0.0	0	0.00
38 TMP	cis-1,3-Dichloropropene	0.200	0.202	-1.0	100	0.00
39 I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40 TMP	Toluene	0.200	0.210	-5.0	100	0.00
41 TMP	trans-1,3-Dichloropropene	0.200	0.253	-26.5#	100	0.00
42 TMP	1,1,2-Trichloroethane	0.200	0.204	-2.0	100	0.00
43 TMP	2-Hexanone	-1.000	0.000	0.0	0	-6.76#

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-22-22\
 Data File : 112219.D
 Acq On : 22 Nov 2022 08:23 pm
 Operator : LM
 Sample : 0.2 ppb 8260 ICAL 68-4I
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 29 16:03:13 2022
 Quant Method : D:\Methods\Inst13\VB112222ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed Nov 23 09:07:37 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP 1,3-Dichloropropane	0.200	0.227	-13.5	100	-0.01
45	TMP Tetrachloroethene	0.200	0.205	-2.5	100	0.00
46	TMP Dibromochloromethane	0.200	0.225	-12.5	100	0.00
47	TMP 1,2-Dibromoethane (EDB)	0.200	0.207	-3.5	100	0.00
48	TMP Chlorobenzene	0.200	0.196	2.0	100	0.00
49	TMP Ethylbenzene	0.200	0.211	-5.5	100	0.00
50	TMP 1,1,1,2-Tetrachloroethane	0.200	0.200	0.0	100	0.00
51	TMP m,p-Xylene	0.400	0.426	-6.5	100	0.00
52	TMP o-Xylene	0.200	0.212	-6.0	100	0.00
53	TMP Styrene	0.200	0.225	-12.5	100	0.00
54	TMP Isopropylbenzene	0.200	0.223	-11.5	100	0.00
55	TMP Bromoform	0.200	0.207	-3.5	100	0.00
56	I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S 4-Bromofluorobenzene	10.000	10.415	-4.1	100	0.00
58	TMP n-Propylbenzene	0.200	0.230	-15.0	100	0.00
59	TMP Bromobenzene	0.200	0.216	-8.0	100	0.00
60	TMP 1,3,5-Trimethylbenzene	0.200	0.242	-21.0#	100	0.00
61	TMP 1,1,2,2-Tetrachloroethane	0.200	0.199	0.5	100	0.00
62	TMP 1,2,3-Trichloropropane	0.200	0.235	-17.5	100	0.00
63	TMP 2-Chlorotoluene	0.200	0.231	-15.5	100	0.00
64	TMP 4-Chlorotoluene	0.200	0.223	-11.5	100	0.00
65	TMP tert-Butylbenzene	0.200	0.223	-11.5	100	0.00
66	TMP 1,2,4-Trimethylbenzene	0.200	0.225	-12.5	100	0.00
67	TMP sec-Butylbenzene	0.200	0.225	-12.5	100	0.00
68	TMP p-Isopropyltoluene	0.200	0.197	1.5	100	0.00
69	TMP 1,3-Dichlorobenzene	0.200	0.212	-6.0	100	0.00
70	TMP 1,4-Dichlorobenzene	0.200	0.244	-22.0#	100	0.00
71	TMP 1,2-Dichlorobenzene	0.200	0.216	-8.0	100	0.00
72	TMP 1,2-Dibromo-3-chloropropane	-1.000	0.000	0.0	0	-10.77#
73	TMP 1,2,4-Trichlorobenzene	0.200	0.162	19.0	100	0.00
74	TMP Hexachlorobutadiene	0.200	0.182	9.0	100	0.00
75	TMP Naphthalene	0.200	0.193	3.5	100	0.00
76	TMP 1,2,3-Trichlorobenzene	0.200	0.175	12.5	100	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Data Path : D:\Proc_GCMS13\11-22-22\
 Data File : 112219.D
 Acq On : 22 Nov 2022 08:23 pm
 Operator : LM
 Sample : 0.2 ppb 8260 ICAL 68-4I
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 29 16:03:13 2022
 Quant Method : D:\Methods\Inst13\VB112222ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed Nov 23 09:07:37 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2 TMP	Ethanol	0.000	0.000#	0.0	0#	-2.34#
3 S	Dibromofluoromethane	0.332	0.309	6.9	100	0.00
4 TMP	Dichlorodifluoromethane	0.625	0.697	-11.5	100	0.01
5 TMP	Chloromethane	0.403	0.000#	100.0#	0#	-1.26#
6 TMP	Vinyl chloride	0.394	0.325	17.5	98	0.00
7 TMP	Bromomethane	0.383	0.000#	100.0#	0#	-1.60#
8 TMP	Chloroethane	0.223	0.000#	100.0#	0#	-1.67#
9 TMP	Trichlorofluoromethane	1.059	0.000#	100.0#	0#	-1.87#
10 TMP	2-Propanol	0.000	0.000	0.0	0#	-2.34#
11 TMP	Acetone	0.025	0.000#	100.0#	0#	-2.33#
12 TMP	1,1-Dichloroethene	0.252	0.245	2.8	104	0.00
13 TMP	Hexane	0.270	0.000#	100.0#	0#	-3.16#
14 TMP	Methylene chloride	0.298	0.000#	100.0#	0#	-2.69#
15 TMP	t-Butyl alcohol (TBA)	0.026	0.000#	100.0#	0#	-2.83#
16 TMP	Methyl t-butyl ether (MTBE)	0.672	0.652	3.0	102	0.01
17 TMP	trans-1,2-Dichloroethene	0.290	0.275	5.2	102	0.00
18 TMP	Diisopropyl ether (DIPE)	0.572	0.609	-6.5	100	0.00
19 TMP	1,1-Dichloroethane	0.394	0.372	5.6	100	0.00
20 TMP	Ethyl t-butyl ether (ETBE)	0.305	0.307	-0.7	100	0.01
21 TMP	2,2-Dichloropropane	0.319	0.402	-26.0#	100	0.00
22 TMP	cis-1,2-Dichloroethene	0.324	0.310	4.3	100	0.00
23 TMP	Chloroform	0.487	0.464	4.7	100	0.00
24 TMP	2-Butanone (MEK)	0.120	0.000#	100.0#	0#	-3.79#
25 TMP	t-Amyl methyl ether (TAME)	0.614	0.676	-10.1	100	0.01
26 TMP	1,2-Dichloroethane (EDC)	0.412	0.406	1.5	100	0.00
27 TMP	1,1,1-Trichloroethane	0.520	0.495	4.8	100	0.00
28 TMP	1,1-Dichloropropene	0.338	0.387	-14.5	100	0.00
29 TMP	Carbon tetrachloride	0.549	0.506	7.8	100	0.00
30 S	1,2-Dichloroethane-d4	0.061	0.057	6.6	100	0.00
31 TMP	Benzene	0.944	0.903	4.3	100	0.00
32 TMP	Trichloroethene	0.354	0.330	6.8	100	0.00
33 TMP	1,2-Dichloropropane	0.211	0.252	-19.4	100	0.00
34 TMP	Bromodichloromethane	0.373	0.392	-5.1	100	0.00
35 S	Toluene-d8	0.967	0.892	7.8	100	0.00
36 TMP	Dibromomethane	0.203	0.210	-3.4	100	0.00
37 TMP	4-Methyl-2-pentanone	0.046	0.000#	100.0#	0#	0.00
38 TMP	cis-1,3-Dichloropropene	0.377	0.380	-0.8	100	0.00
39 I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40 TMP	Toluene	0.750	0.771	-2.8	100	0.00
41 TMP	trans-1,3-Dichloropropene	0.377	0.476	-26.3#	100	0.00
42 TMP	1,1,2-Trichloroethane	0.221	0.222	-0.5	100	0.00
43 TMP	2-Hexanone	0.168	0.000#	100.0#	0#	-6.76#

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-22-22\
 Data File : 112219.D
 Acq On : 22 Nov 2022 08:23 pm
 Operator : LM
 Sample : 0.2 ppb 8260 ICAL 68-4I
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 29 16:03:13 2022
 Quant Method : D:\Methods\Inst13\VB112222ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed Nov 23 09:07:37 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.356	0.404	-13.5	100	-0.01
45 TMP Tetrachloroethene	0.462	0.464	-0.4	100	0.00
46 TMP Dibromochloromethane	0.463	0.520	-12.3	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	0.344	0.355	-3.2	100	0.00
48 TMP Chlorobenzene	0.950	0.931	2.0	100	0.00
49 TMP Ethylbenzene	1.361	1.416	-4.0	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.423	0.422	0.2	100	0.00
51 TMP m,p-Xylene	0.593	0.622	-4.9	100	0.00
52 TMP o-Xylene	0.590	0.616	-4.4	100	0.00
53 TMP Styrene	0.860	0.969	-12.7	100	0.00
54 TMP Isopropylbenzene	1.373	1.534	-11.7	100	0.00
55 TMP Bromoform	0.326	0.338	-3.7	100	0.00
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	0.635	0.662	-4.3	100	0.00
58 TMP n-Propylbenzene	2.319	2.668	-15.0	100	0.00
59 TMP Bromobenzene	0.844	0.911	-7.9	100	0.00
60 TMP 1,3,5-Trimethylbenzene	1.903	2.301	-20.9#	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.473	0.593	-25.4#	100	0.00
62 TMP 1,2,3-Trichloropropane	0.370	0.436#	-17.8	100	0.00
63 TMP 2-Chlorotoluene	1.374	1.584	-15.3	100	0.00
64 TMP 4-Chlorotoluene	1.629	1.817	-11.5	100	0.00
65 TMP tert-Butylbenzene	1.942	2.169	-11.7	100	0.00
66 TMP 1,2,4-Trimethylbenzene	1.964	2.205	-12.3	100	0.00
67 TMP sec-Butylbenzene	2.462	2.768	-12.4	100	0.00
68 TMP p-Isopropyltoluene	2.410	2.378	1.3	100	0.00
69 TMP 1,3-Dichlorobenzene	1.491	1.583	-6.2	100	0.00
70 TMP 1,4-Dichlorobenzene	1.486	1.810	-21.8#	100	0.00
71 TMP 1,2-Dichlorobenzene	1.416	1.527	-7.8	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	0.097	0.000#	100.0#	0#	-10.77#
73 TMP 1,2,4-Trichlorobenzene	0.944	0.765	19.0	100	0.00
74 TMP Hexachlorobutadiene	0.565	0.515	8.8	100	0.00
75 TMP Naphthalene	1.846	1.783	3.4	100	0.00
76 TMP 1,2,3-Trichlorobenzene	0.804	0.702	12.7	100	0.00

(#) = Out of Range

SPCC's out = 14 CCC's out = 0

Data Path : D:\Proc_GCMS13\11-22-22\
 Data File : 112219.D
 Acq On : 22 Nov 2022 08:23 pm
 Operator : LM
 Sample : 0.2 ppb 8260 ICAL 68-4I
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 29 16:03:13 2022
 Quant Method : D:\Methods\Inst13\VB112222ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed Nov 23 09:07:37 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	4.75	96	102865	10.000	ppb	0.00	
39) Chlorobenzene-d5	7.40	117	89071	10.000	ppb	0.00	
56) 1,4-Dichlorobenzene-d4	9.62	152	54416	10.000	ppb	0.00	
System Monitoring Compounds							
3) Dibromofluoromethane	4.17	113	31759	9.310	ppb	0.00	
Spiked Amount	10.000	Range	50 - 150	Recovery	=	93.10%	
30) 1,2-Dichloroethane-d4	4.45	102	5839	9.232	ppb	0.00	
Spiked Amount	10.000	Range	84 - 120	Recovery	=	92.30%	
35) Toluene-d8	6.10	98	91794	9.229	ppb	0.00	
Spiked Amount	10.000	Range	73 - 128	Recovery	=	92.30%	
57) 4-Bromofluorobenzene	8.51	95	36000	10.415	ppb	0.00	
Spiked Amount	10.000	Range	57 - 146	Recovery	=	104.20%	
Target Compounds							
							Qvalue
2) Ethanol	0.00		0	N.D.			
4) Dichlorodifluoromethane	1.13	85	1433	0.223	ppb		64
5) Chloromethane	0.00		0	N.D.	d		
6] Vinyl chloride	1.35	62	668m	0.165	ppb		
7) Bromomethane	0.00		0	N.D.			
8) Chloroethane	0.00		0	N.D.	d		
9) Trichlorofluoromethane	0.00		0	N.D.	d		
10) 2-Propanol	0.00		0	N.D.			
11) Acetone	0.00		0	N.D.	d		
12] 1,1-Dichloroethene	2.27	96	504m	0.195	ppb		
13) Hexane	0.00		0	N.D.	d		
14) Methylene chloride	0.00		0	N.D.	d		
15) t-Butyl alcohol (TBA)	0.00		0	N.D.	d		
16] Methyl t-butyl ether (...)	2.94	73	1341m	0.194	ppb		
17] trans-1,2-Dichloroethene	2.92	96	566m	0.190	ppb		
18) Diisopropyl ether (DIPE)	3.35	45	1252	0.213	ppb		90
19] 1,1-Dichloroethane	3.28	63	766	0.189	ppb		100
20) Ethyl t-butyl ether (E...)	3.67	87	632	0.201	ppb		82
21) 2,2-Dichloropropane	3.77	77	828	0.187	ppb		100
22] cis-1,2-Dichloroethene	3.77	96	637	0.191	ppb		99
23) Chloroform	4.04	83	954	0.190	ppb		86
24) 2-Butanone (MEK)	0.00		0	N.D.	d		
25) t-Amyl methyl ether (T...)	4.62	73	1390	0.220	ppb		90
26] 1,2-Dichloroethane (EDC)	4.53	62	836	0.197	ppb		99
27] 1,1,1-Trichloroethane	4.19	97	1018	0.190	ppb		99
28) 1,1-Dichloropropene	4.33	75	796	0.229	ppb		73
29) Carbon tetrachloride	4.33	117	1041	0.184	ppb	#	65
31] Benzene	4.50	78	1858	0.191	ppb		100
32] Trichloroethene	5.05	95	678	0.188	ppb		99
33) 1,2-Dichloropropane	5.24	63	519	0.239	ppb	#	79
34) Bromodichloromethane	5.48	83	806	0.210	ppb		88
36) Dibromomethane	5.35	93	432	0.207	ppb	#	77

Data Path : D:\Proc_GCMS13\11-22-22\
 Data File : 112219.D
 Acq On : 22 Nov 2022 08:23 pm
 Operator : LM
 Sample : 0.2 ppb 8260 ICAL 68-4I
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS13

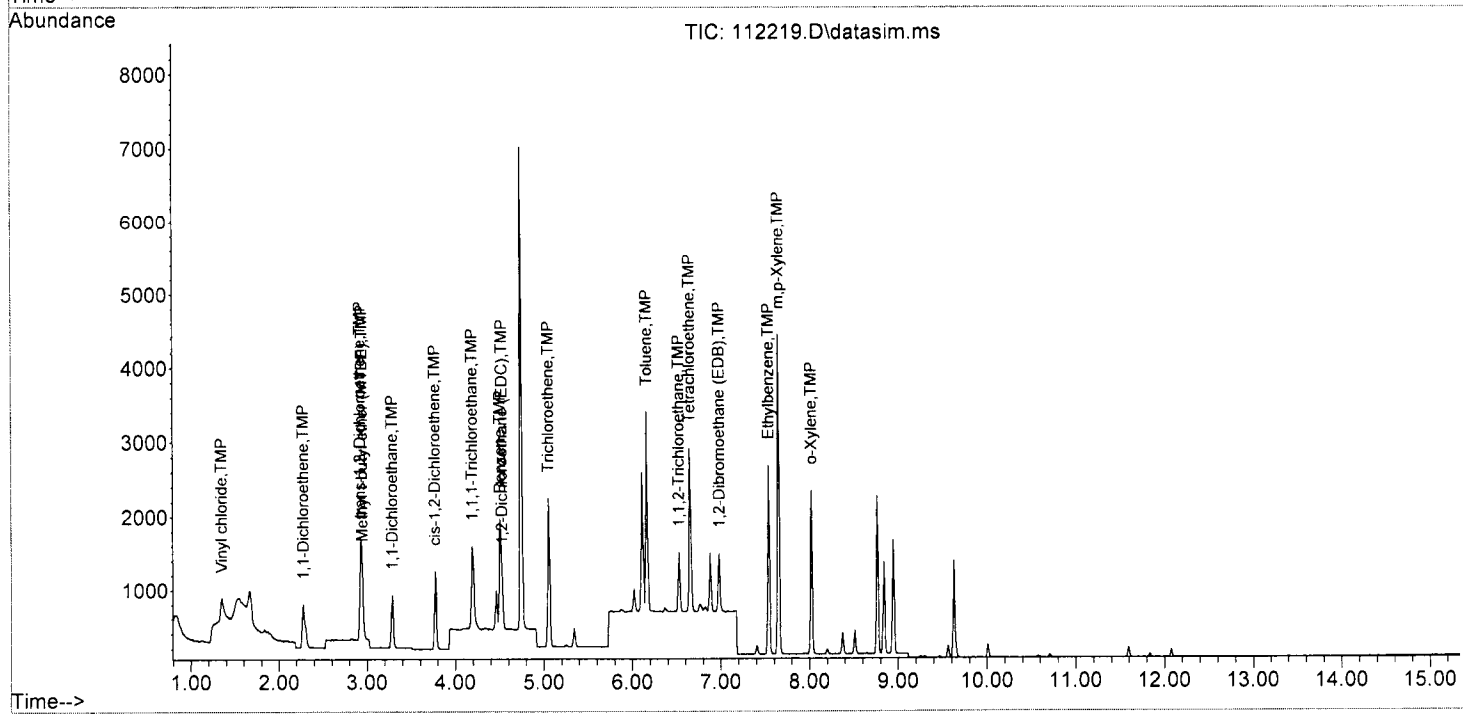
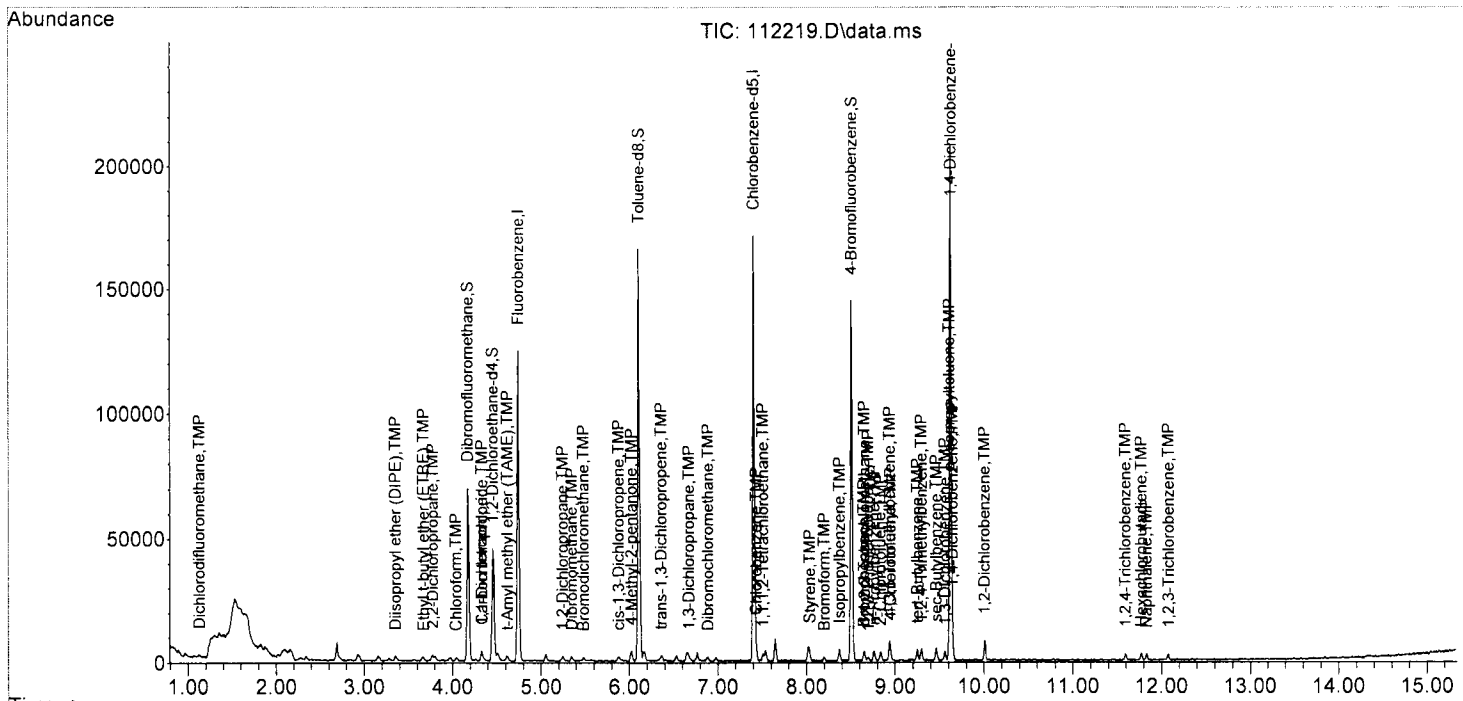
Quant Time: Nov 29 16:03:13 2022
 Quant Method : D:\Methods\Inst13\VB112222ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed Nov 23 09:07:37 2022
 Response via : Initial Calibration
 DataAcq Meth: VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
37) 4-Methyl-2-pentanone	6.02	85	430	0.912	ppb	#	70
38) cis-1,3-Dichloropropene	5.88	75	782	0.202	ppb		91
40] Toluene	6.16	92	1374	0.210	ppb		99
41) trans-1,3-Dichloropropene	6.36	75	848	0.253	ppb		91
42] 1,1,2-Trichloroethane	6.53	83	395	0.204	ppb		98
43) 2-Hexanone	0.00		0	N.D.	d		
44) 1,3-Dichloropropane	6.67	76	719	0.227	ppb		95
45] Tetrachloroethene	6.65	164	827	0.205	ppb		98
46) Dibromochloromethane	6.88	129	926	0.225	ppb		87
47] 1,2-Dibromoethane (EDB)	6.98	107	633	0.207	ppb		99
48) Chlorobenzene	7.43	112	1658	0.196	ppb		91
49] Ethylbenzene	7.54	91	2523	0.211	ppb		99
50) 1,1,1,2-Tetrachloroethane	7.51	131	752	0.200	ppb		94
51] m,p-Xylene	7.65	106	2216	0.426	ppb		100
52] o-Xylene	8.02	106	1097	0.212	ppb		100
53) Styrene	8.03	104	1726	0.225	ppb		89
54) Isopropylbenzene	8.37	105	2733	0.223	ppb		87
55) Bromoform	8.20	173	602	0.207	ppb		93
58) n-Propylbenzene	8.77	91	2904	0.230	ppb		96
59) Bromobenzene	8.65	156	992	0.216	ppb		92
60) 1,3,5-Trimethylbenzene	8.94	105	2504	0.242	ppb		84
61) 1,1,2,2-Tetrachloroethane	8.65	83	645	0.199	ppb		78
62) 1,2,3-Trichloropropane	8.70	75	474	0.235	ppb		91
63) 2-Chlorotoluene	8.84	91	1724	0.231	ppb		85
64) 4-Chlorotoluene	8.95	91	1977	0.223	ppb		81
65) tert-Butylbenzene	9.25	119	2361	0.223	ppb		93
66) 1,2,4-Trimethylbenzene	9.30	105	2400	0.225	ppb		84
67) sec-Butylbenzene	9.46	105	3013	0.225	ppb		96
68) p-Isopropyltoluene	9.61	119	2588	0.197	ppb		97
69) 1,3-Dichlorobenzene	9.56	146	1723	0.212	ppb		93
70) 1,4-Dichlorobenzene	9.64	146	1970	0.244	ppb		97
71) 1,2-Dichlorobenzene	10.00	146	1662	0.216	ppb		94
72) 1,2-Dibromo-3-chloropr...	0.00		0	N.D.	d		
73) 1,2,4-Trichlorobenzene	11.59	180	833	0.162	ppb		92
74) Hexachlorobutadiene	11.77	225	560	0.182	ppb		90
75) Naphthalene	11.83	128	1940	0.193	ppb		96
76) 1,2,3-Trichlorobenzene	12.08	180	764	0.175	ppb		92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS13\11-22-22\
 Data File : 112219.D
 Acq On : 22 Nov 2022 08:23 pm
 Operator : LM
 Sample : 0.2 ppb 8260 ICAL 68-4I
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS13

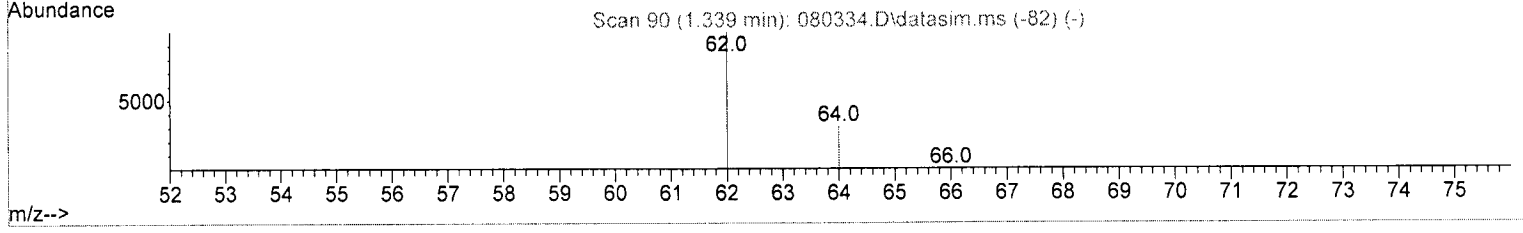
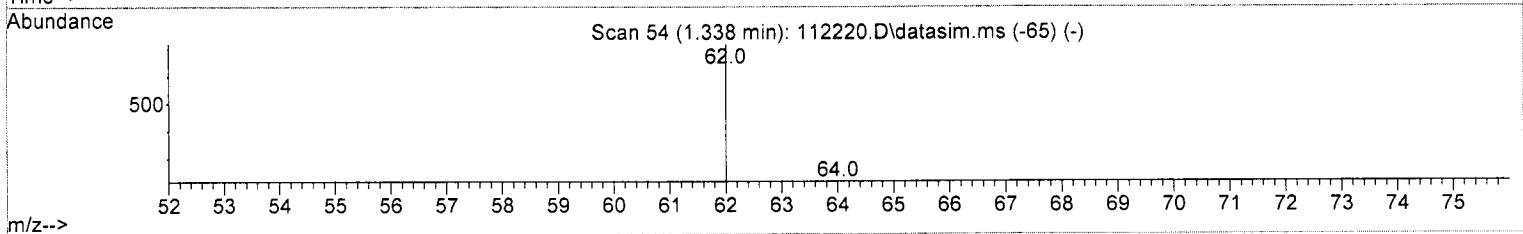
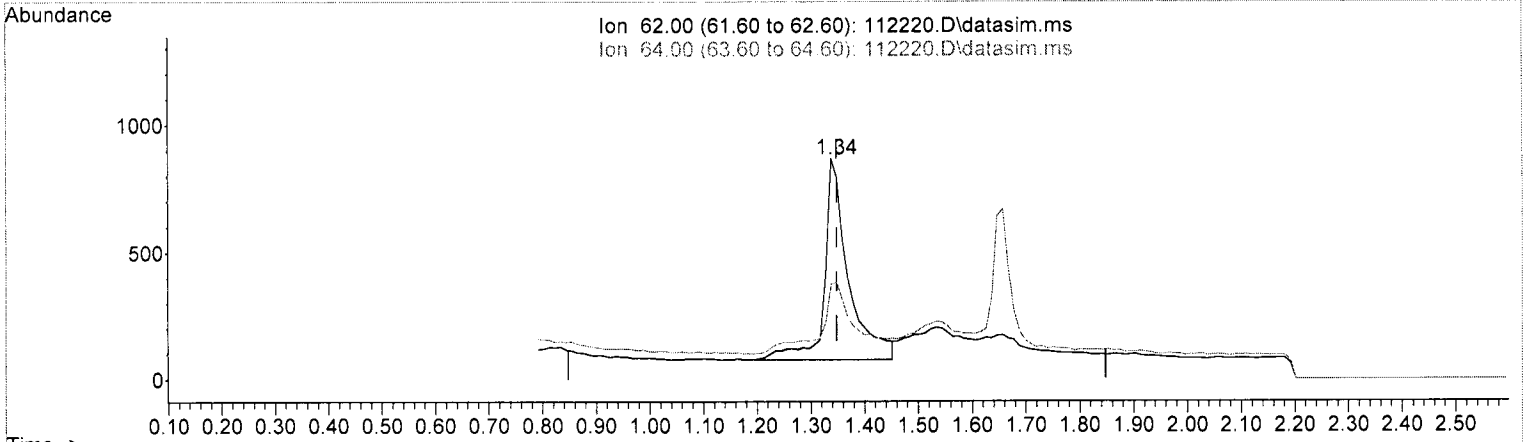
Quant Time: Nov 29 16:03:13 2022
 Quant Method : D:\Methods\Inst13\VB112222ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed Nov 23 09:07:37 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-22-22\
 Data File : 112220.D
 Acq On : 22 Nov 2022 08:46 pm
 Operator : LM
 Sample : 0.5 ppb 8260 ICAL 68-4J
 Misc : soil/water
 ALS Vial : 14 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 29 16:03:15 2022
 Quant Method : D:\Methods\Inst13\VB112222ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed Nov 23 09:07:37 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 112220.D\data.ms

(6) Vinyl chloride (TMP)
 1.338min (-0.010) 0.627 ppb
 response 2501

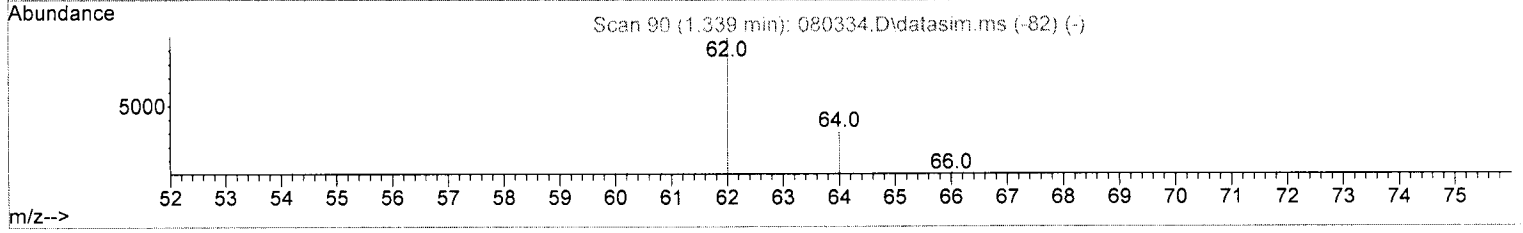
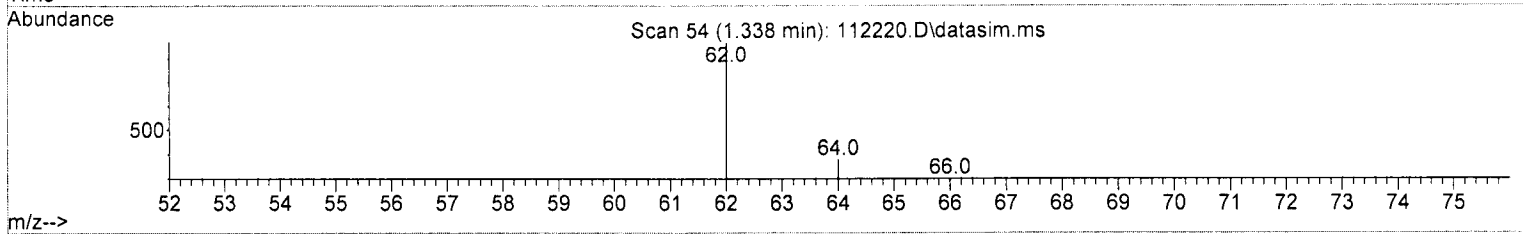
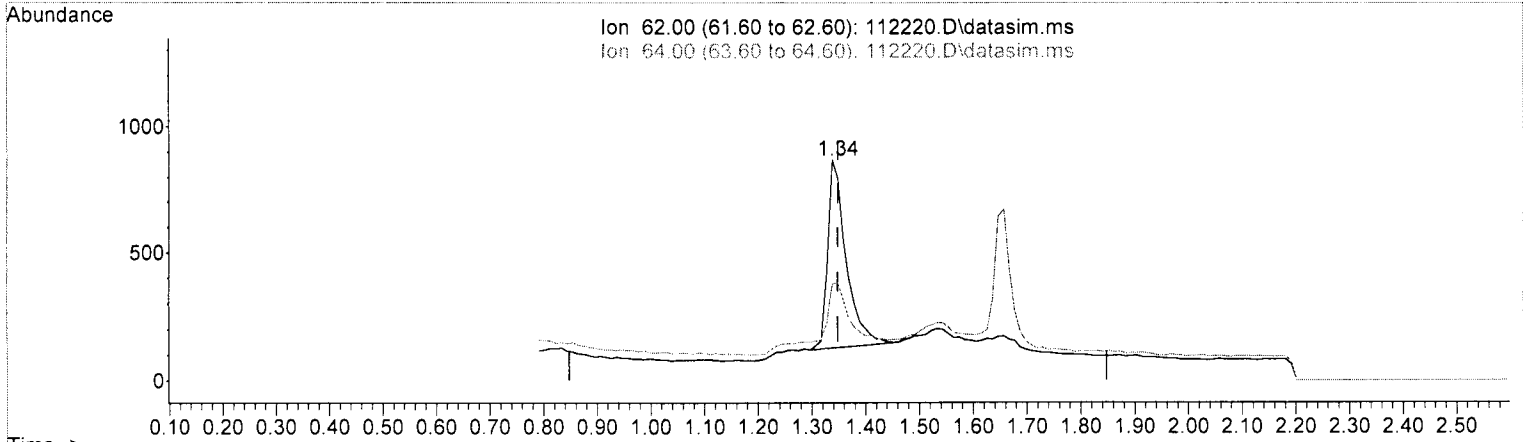
Ion	Exp%	Act%
62.00	100.00	100.00
64.00	33.40	34.64
0.00	0.00	0.00
0.00	0.00	0.00

m/z 62.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-22-22\
 Data File : 112220.D
 Acq On : 22 Nov 2022 08:46 pm
 Operator : LM
 Sample : 0.5 ppb 8260 ICAL 68-4J
 Misc : soil/water
 ALS Vial : 14 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 29 16:03:15 2022
 Quant Method : D:\Methods\Inst13\VB112222ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed Nov 23 09:07:37 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 112220.D\data.ms

(6) Vinyl chloride (TMP)

1.338min (-0.010) 0.443 ppb m

response 1766

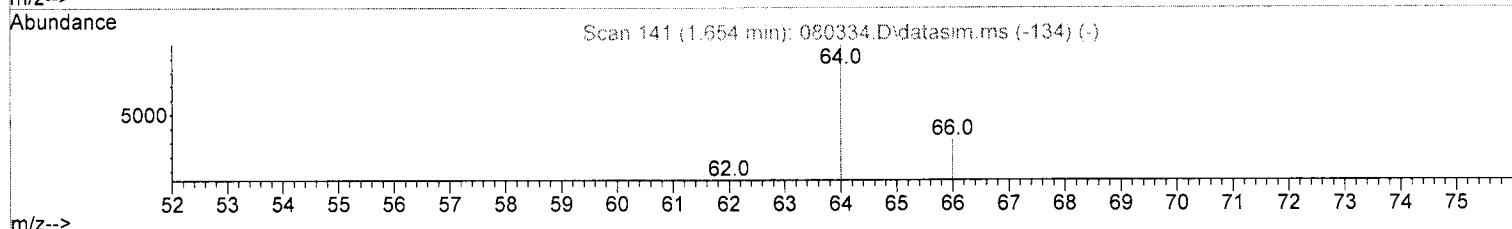
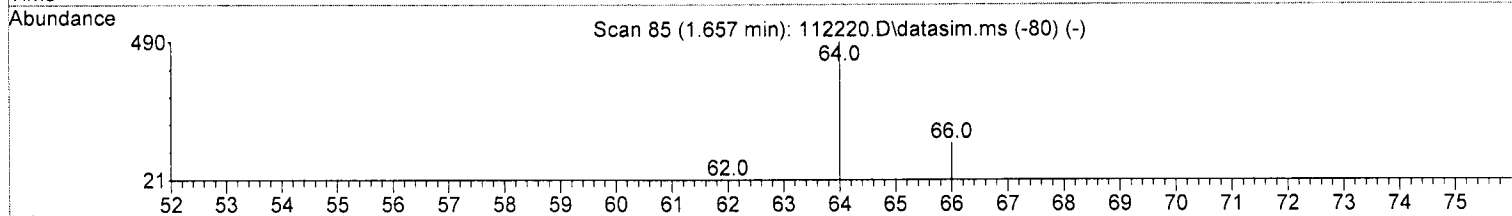
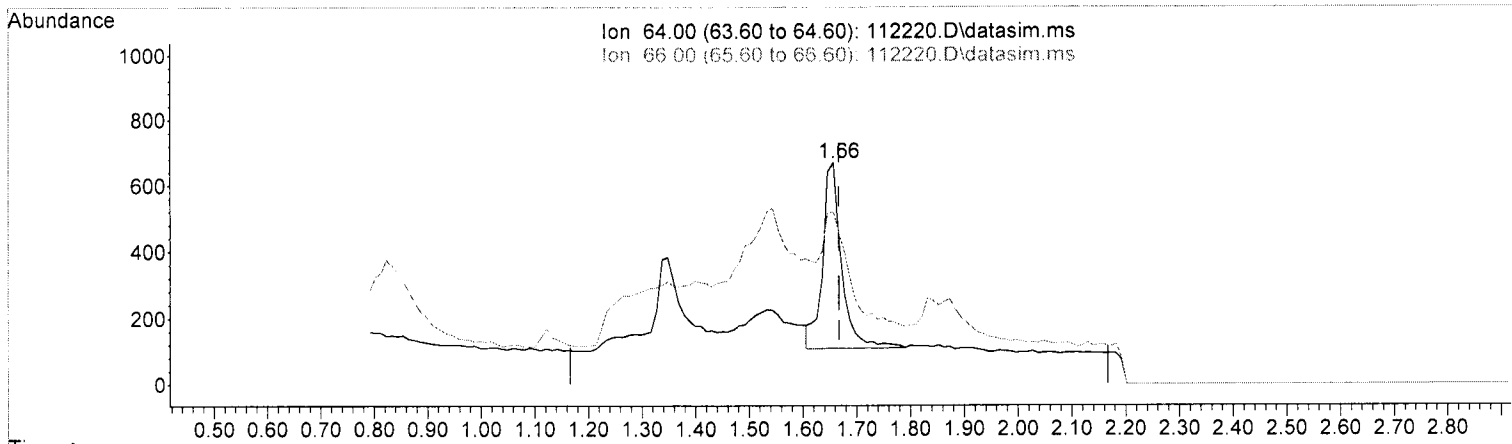
11/29 DM

Ion	Exp%	Act%
62.00	100.00	100.00
64.00	33.40	43.43
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-22-22\
 Data File : 112220.D
 Acq On : 22 Nov 2022 08:46 pm
 Operator : LM
 Sample : 0.5 ppb 8260 ICAL 68-4J
 Misc : soil/water
 ALS Vial : 14 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 29 16:03:15 2022
 Quant Method : D:\Methods\Inst13\VB112222ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed Nov 23 09:07:37 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 112220.D\data.ms

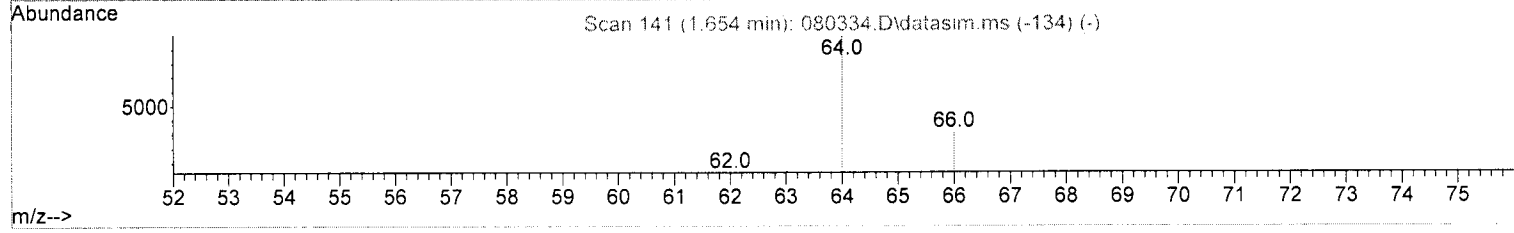
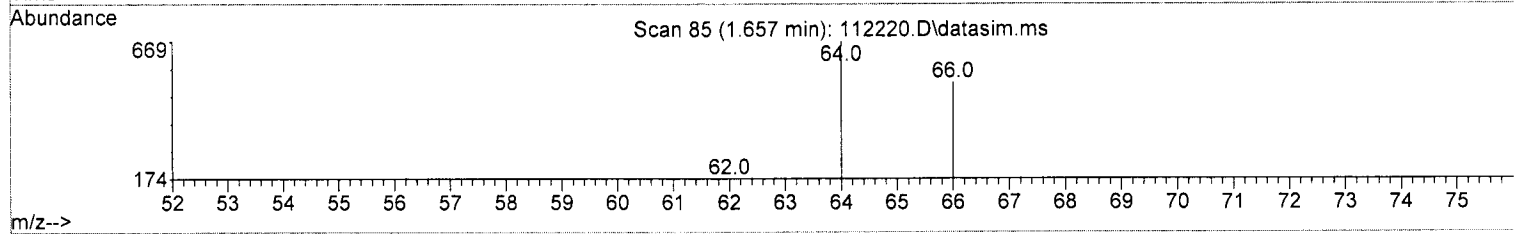
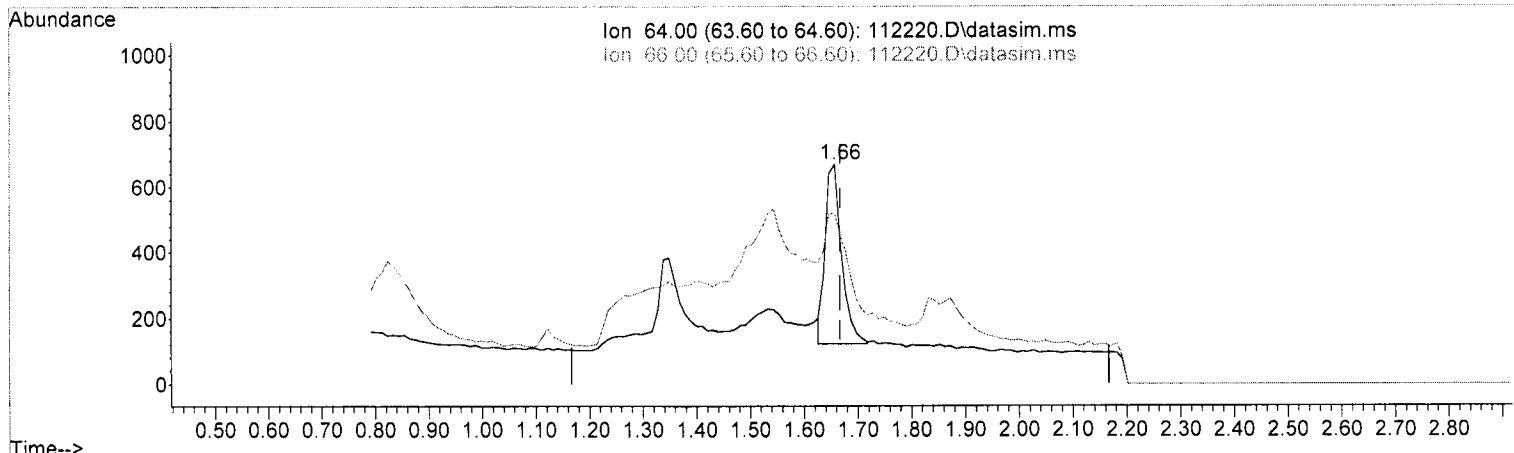
(8) Chloroethane (TMP)		
1.657min (-0.010)	0.606	ppb
response	1370	
Ion	Exp%	Act%
64.00	100.00	100.00
66.00	32.90	61.90
0.00	0.00	0.00
0.00	0.00	0.00

u/a SM

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-22-22\
 Data File : 112220.D
 Acq On : 22 Nov 2022 08:46 pm
 Operator : LM
 Sample : 0.5 ppb 8260 ICAL 68-4J
 Misc : soil/water
 ALS Vial : 14 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 29 16:03:15 2022
 Quant Method : D:\Methods\Inst13\VB112222ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed Nov 23 09:07:37 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 112220.D\data.ms

(8) Chloroethane (TMP)
 1.657min (-0.010) 0.508 ppb m

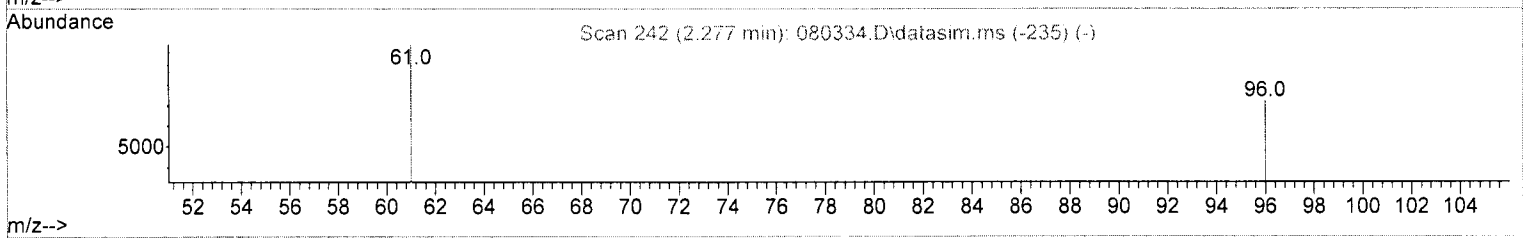
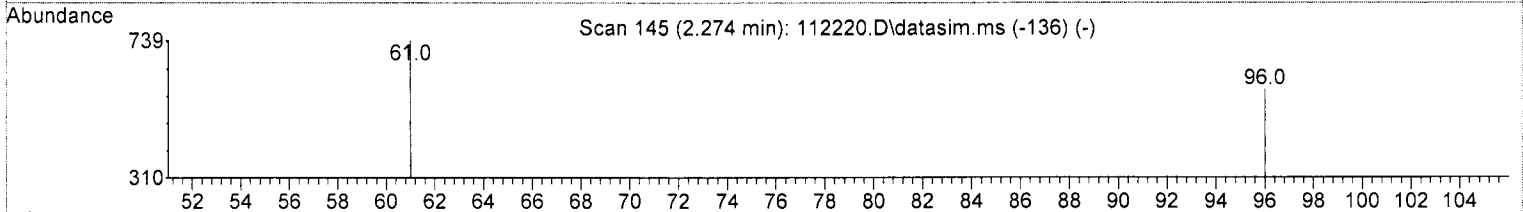
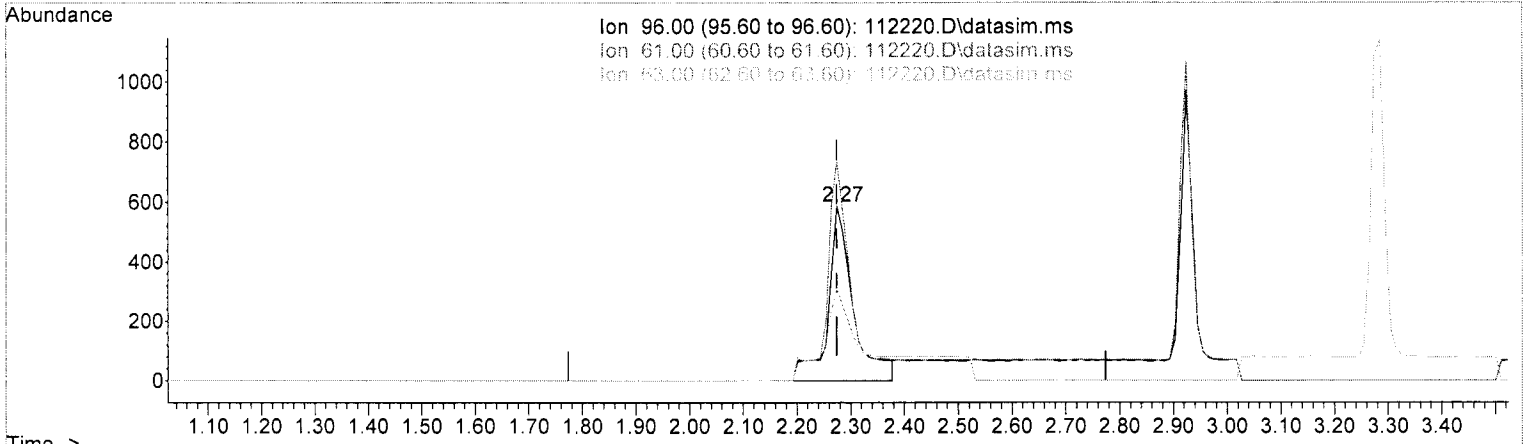
response	1148
Ion	Exp% Act%
64.00	100.00 100.00
66.00	32.90 77.76#
0.00	0.00 0.00
0.00	0.00 0.00

11/29 LM

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-22-22\
 Data File : 112220.D
 Acq On : 22 Nov 2022 08:46 pm
 Operator : LM
 Sample : 0.5 ppb 8260 ICAL 68-4J
 Misc : soil/water
 ALS Vial : 14 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 29 16:03:15 2022
 Quant Method : D:\Methods\Inst13\VB112222ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed Nov 23 09:07:37 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 112220.D\data.ms

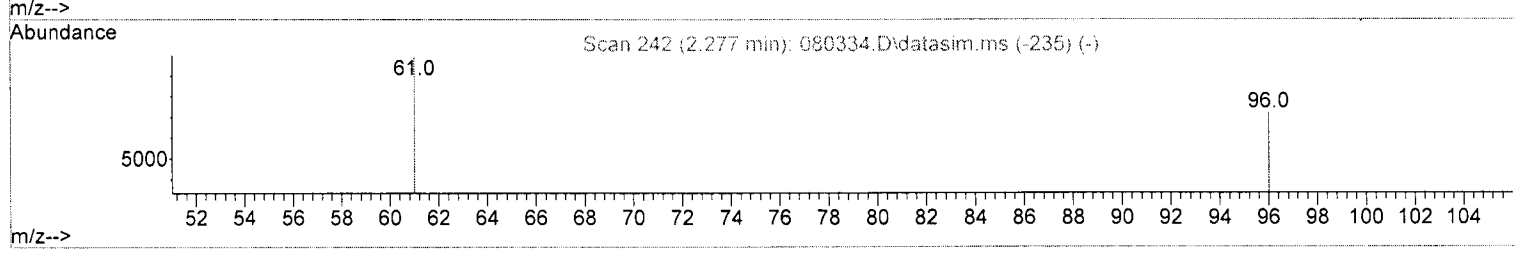
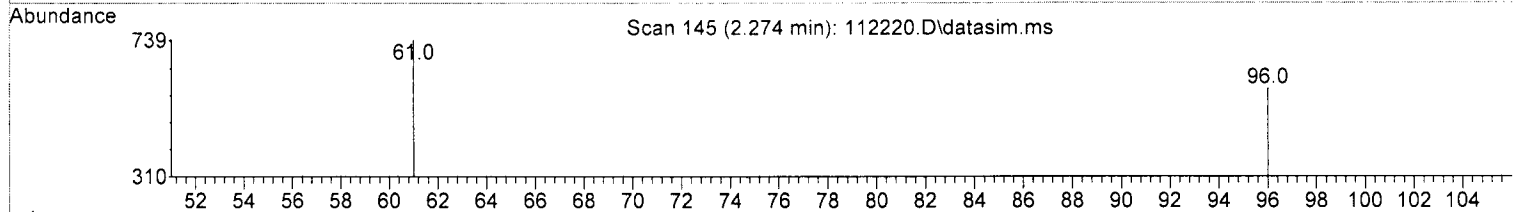
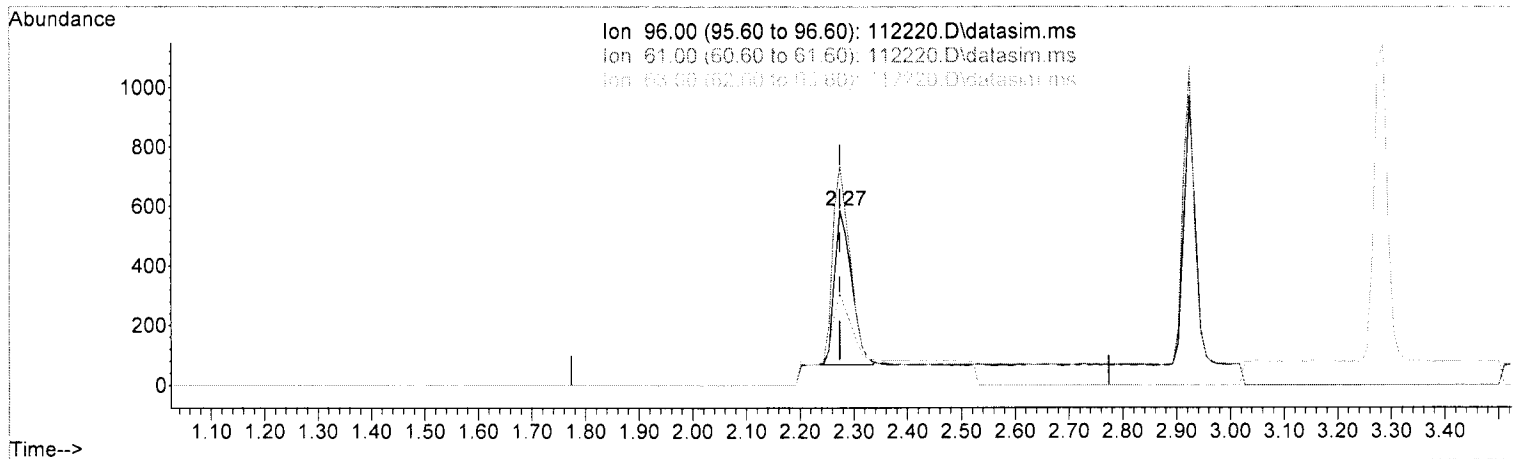
(12) 1,1-Dichloroethene (TMP)		
2.274min (+ 0.000)	0.748 ppb	
response	1906	
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	125.30	126.28
63.00	42.80	52.90
0.00	0.00	0.00

Handwritten note: 11/29 LM

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-22-22\
 Data File : 112220.D
 Acq On : 22 Nov 2022 08:46 pm
 Operator : LM
 Sample : 0.5 ppb 8260 ICAL 68-4J
 Misc : soil/water
 ALS Vial : 14 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 29 16:03:15 2022
 Quant Method : D:\Methods\Inst13\VB112222ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed Nov 23 09:07:37 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 112220.D\data.ms

(12) 1,1-Dichloroethene (TMP)
 2.274min (+ 0.000) 0.450 ppb m

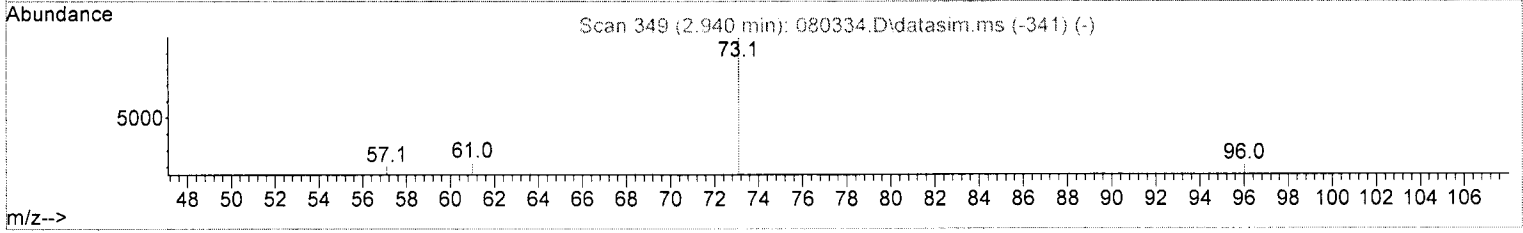
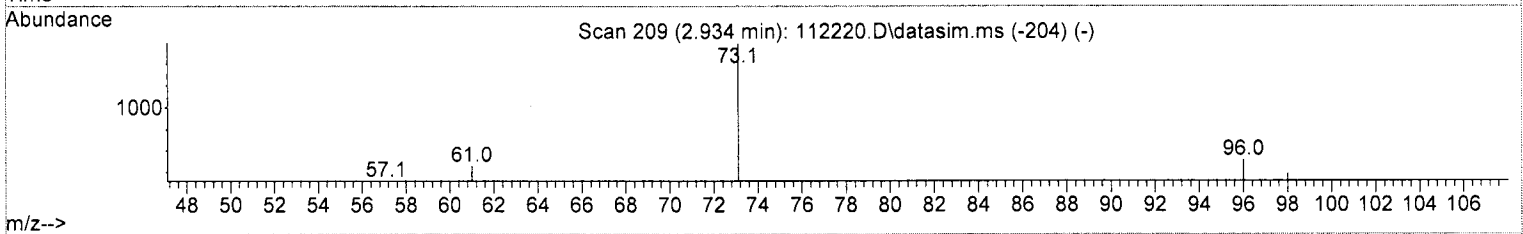
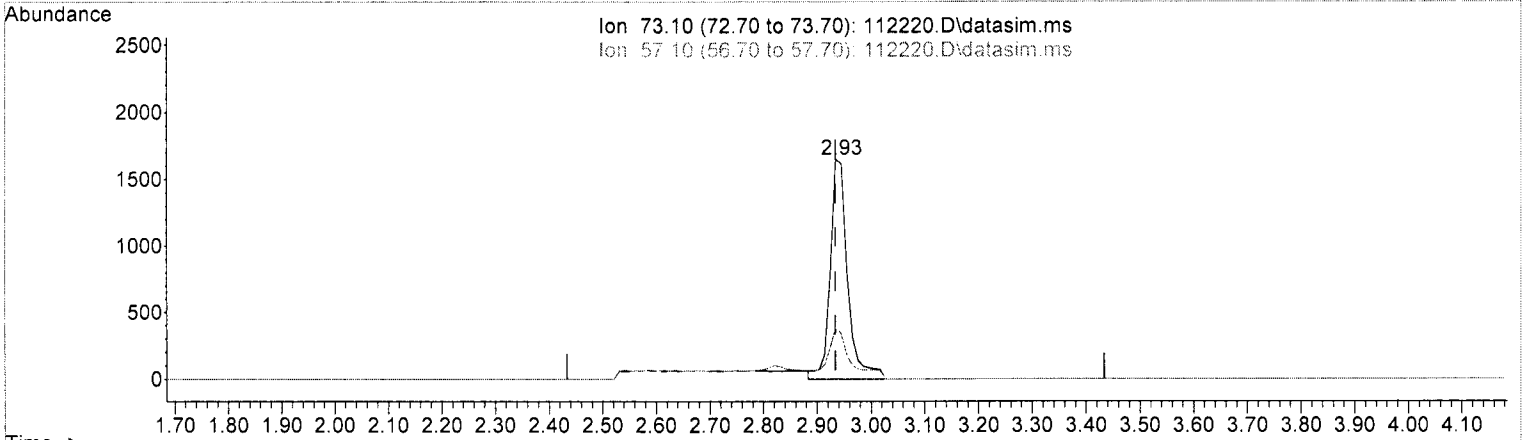
response	1147
Ion	Exp% Act%
96.00	100.00 100.00
61.00	125.30 126.28
63.00	42.80 52.90
0.00	0.00 0.00

11/29 LM

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-22-22\
 Data File : 112220.D
 Acq On : 22 Nov 2022 08:46 pm
 Operator : LM
 Sample : 0.5 ppb 8260 ICAL 68-4J
 Misc : soil/water
 ALS Vial : 14 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 29 16:03:15 2022
 Quant Method : D:\Methods\Inst13\VB112222ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed Nov 23 09:07:37 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 112220.D\data.ms

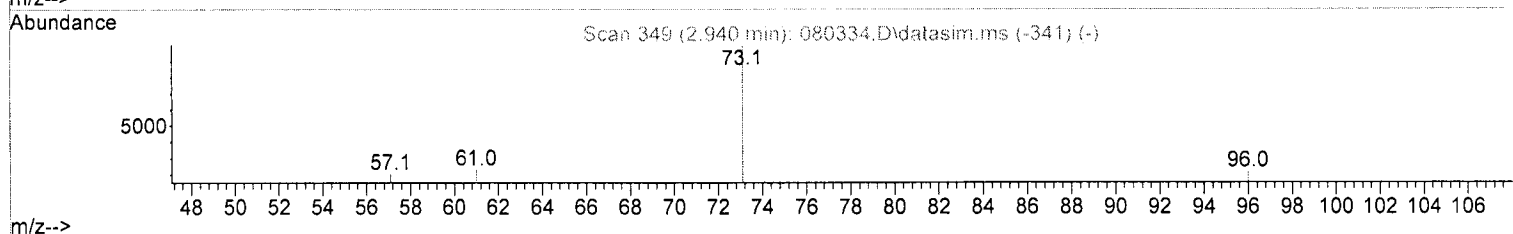
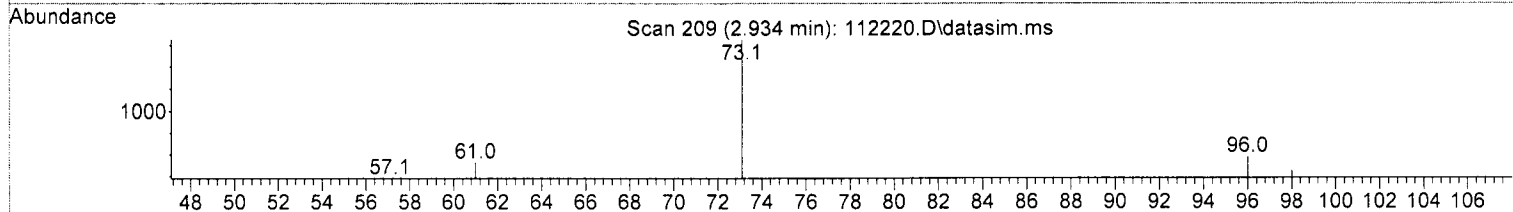
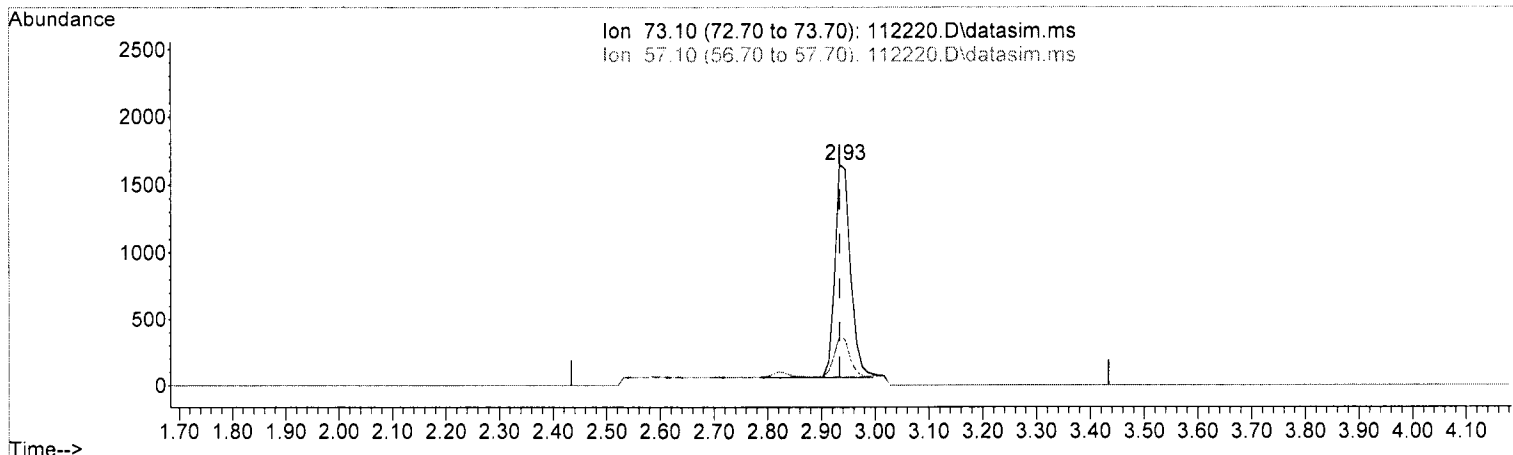
(16) Methyl t-butyl ether (MTBE) (TMP)		
2.934min (+ 0.000)	0.539 ppb	
response	3669	
Ion	Exp%	Act%
73.10	100.00	100.00
57.10	19.60	23.03
0.00	0.00	0.00
0.00	0.00	0.00

Handwritten signature: 11/29 LM

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-22-22\
 Data File : 112220.D
 Acq On : 22 Nov 2022 08:46 pm
 Operator : LM
 Sample : 0.5 ppb 8260 ICAL 68-4J
 Misc : soil/water
 ALS Vial : 14 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 29 16:03:15 2022
 Quant Method : D:\Methods\Inst13\VB112222ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed Nov 23 09:07:37 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 112220.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

2.934min (+ 0.000) 0.467 ppb m

response 3178

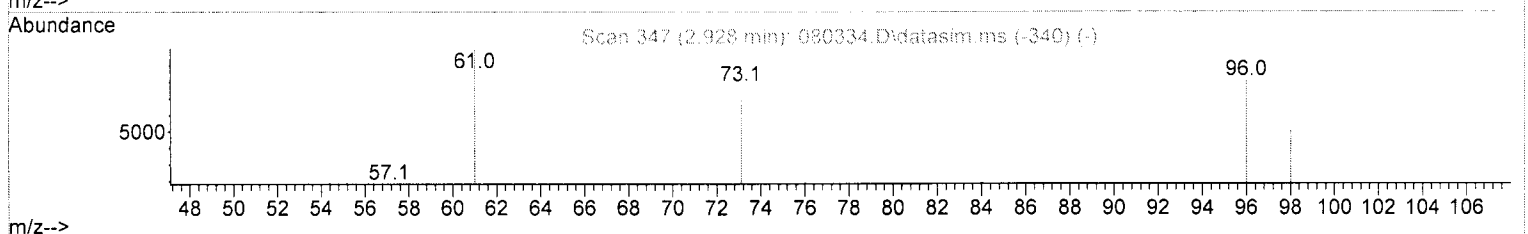
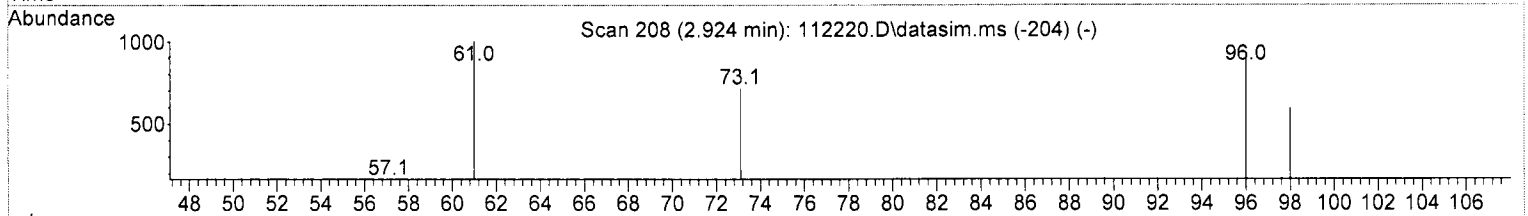
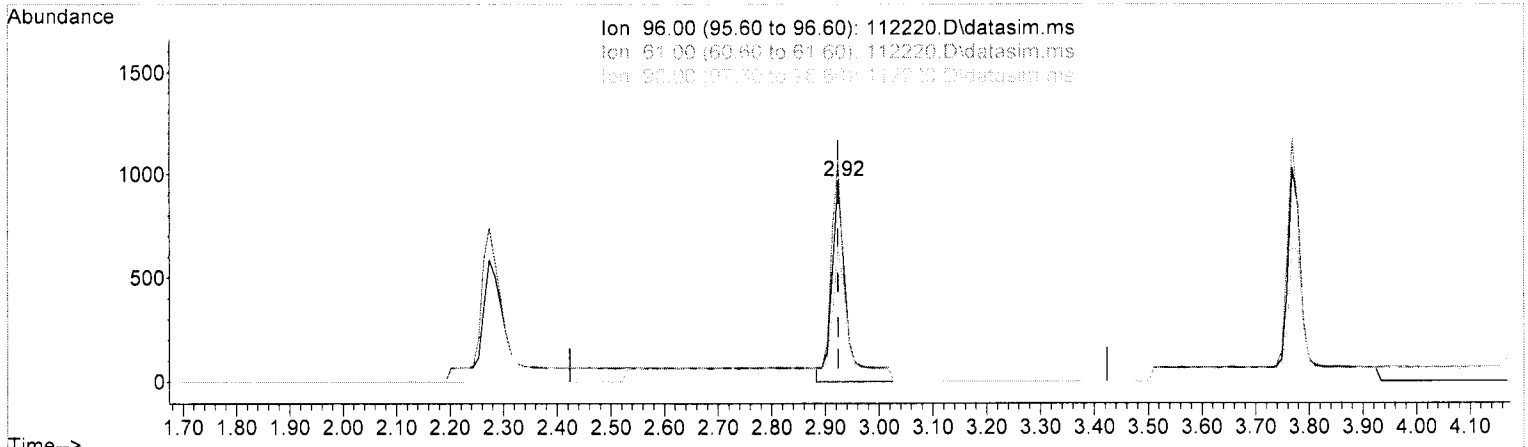
Ion	Exp%	Act%
73.10	100.00	100.00
57.10	19.60	23.03
0.00	0.00	0.00
0.00	0.00	0.00

11/29 LM

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-22-22\
 Data File : 112220.D
 Acq On : 22 Nov 2022 08:46 pm
 Operator : LM
 Sample : 0.5 ppb 8260 ICAL 68-4J
 Misc : soil/water
 ALS Vial : 14 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 29 16:03:15 2022
 Quant Method : D:\Methods\Inst13\VB112222ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed Nov 23 09:07:37 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 112220.D\data.ms

(17) trans-1,2-Dichloroethene (TMP)

2.924min (+ 0.000) 0.631 ppb

response 1856

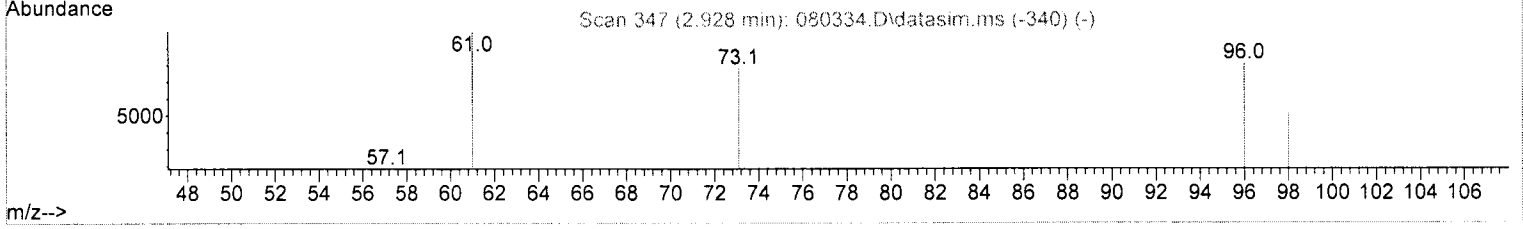
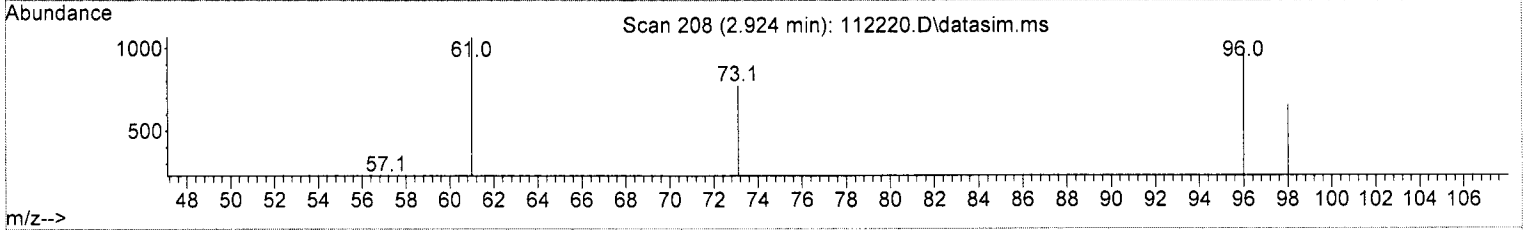
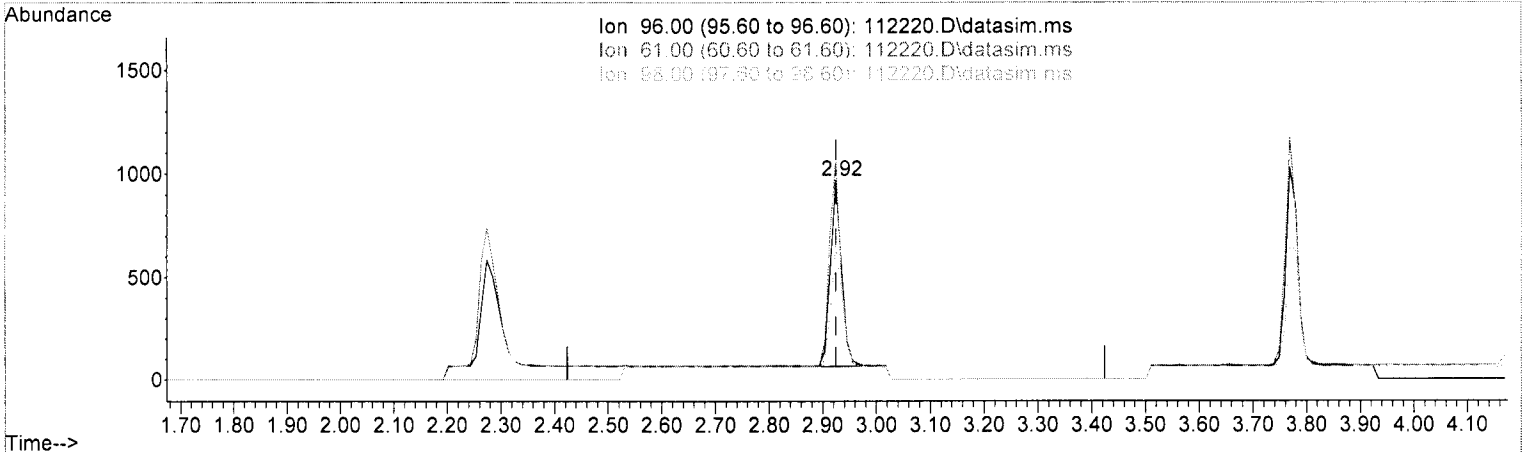
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	111.10	110.32
98.00	64.20	67.60
0.00	0.00	0.00

11/29 LM

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-22-22\
 Data File : 112220.D
 Acq On : 22 Nov 2022 08:46 pm
 Operator : LM
 Sample : 0.5 ppb 8260 ICAL 68-4J
 Misc : soil/water
 ALS Vial : 14 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 29 16:03:15 2022
 Quant Method : D:\Methods\Inst13\VB112222ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed Nov 23 09:07:37 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 112220.D\data.ms

(17) trans-1,2-Dichloroethene (TMP)

2.924min (+ 0.000) 0.451 ppb m

response 1326

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	111.10	110.32
98.00	64.20	67.60
0.00	0.00	0.00

Handwritten signature: W/ra Jm

Data Path : D:\Proc_GCMS13\11-22-22\
 Data File : 112220.D
 Acq On : 22 Nov 2022 08:46 pm
 Operator : LM
 Sample : 0.5 ppb 8260 ICAL 68-4J
 Misc : soil/water
 ALS Vial : 14 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 29 16:03:15 2022
 Quant Method : D:\Methods\Inst13\VB112222ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed Nov 23 09:07:37 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2 TMP	Ethanol	-1.000	0.000	0.0	0	-2.34#
3 S	Dibromofluoromethane	10.000	9.448	5.5	100	0.00
4 TMP	Dichlorodifluoromethane	0.500	0.462	7.6	100	0.00
5 TMP	Chloromethane	-1.000	0.000	0.0	0	-1.26#
6 TMP	Vinyl chloride	0.500	0.443	11.4	105	-0.01
7 TMP	Bromomethane	-1.000	0.000	0.0	0	-1.60#
8 TMP	Chloroethane	0.500	0.508	-1.6	84	-0.01
9 TMP	Trichlorofluoromethane	-1.000	0.000	0.0	0	-1.87#
10 TMP	2-Propanol	-1.000	0.000	0.0	0	-2.34#
11 TMP	Acetone	-1.000	0.000	0.0	0	-2.33#
12 TMP	1,1-Dichloroethene	0.500	0.450	10.0	100	0.00
13 TMP	Hexane	0.500	0.614	-22.8#	100	0.00
14 TMP	Methylene chloride	-1.000	0.000	0.0	0	-2.69#
15 TMP	t-Butyl alcohol (TBA)	-1.000	0.000	0.0	0	-2.83#
16 TMP	Methyl t-butyl ether (MTBE)	0.500	0.467	6.6	100	0.00
17 TMP	trans-1,2-Dichloroethene	0.500	0.451	9.8	101	0.00
18 TMP	Diisopropyl ether (DIPE)	0.500	0.471	5.8	100	0.00
19 TMP	1,1-Dichloroethane	0.500	0.467	6.6	100	0.00
20 TMP	Ethyl t-butyl ether (ETBE)	0.500	0.485	3.0	100	0.00
21 TMP	2,2-Dichloropropane	0.500	0.566	-13.2	100	0.00
22 TMP	cis-1,2-Dichloroethene	0.500	0.458	8.4	100	0.00
23 TMP	Chloroform	0.500	0.488	2.4	100	0.00
24 TMP	2-Butanone (MEK)	2.500	2.312	7.5	100	0.00
25 TMP	t-Amyl methyl ether (TAME)	0.500	0.486	2.8	100	0.00
26 TMP	1,2-Dichloroethane (EDC)	0.500	0.464	7.2	100	0.00
27 TMP	1,1,1-Trichloroethane	0.500	0.468	6.4	100	0.00
28 TMP	1,1-Dichloropropene	0.500	0.458	8.4	100	0.00
29 TMP	Carbon tetrachloride	0.500	0.461	7.8	100	0.00
30 S	1,2-Dichloroethane-d4	10.000	9.049	9.5	100	0.00
31 TMP	Benzene	0.500	0.463	7.4	100	0.00
32 TMP	Trichloroethene	0.500	0.458	8.4	100	0.00
33 TMP	1,2-Dichloropropane	0.500	0.529	-5.8	100	0.00
34 TMP	Bromodichloromethane	0.500	0.498	0.4	100	0.00
35 S	Toluene-d8	10.000	9.285	7.1	100	0.00
36 TMP	Dibromomethane	0.500	0.511	-2.2	100	0.00
37 TMP	4-Methyl-2-pentanone	2.500	2.494	0.2	100	0.00
38 TMP	cis-1,3-Dichloropropene	0.500	0.463	7.4	100	0.00
39 I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40 TMP	Toluene	0.500	0.514	-2.8	100	0.00
41 TMP	trans-1,3-Dichloropropene	0.500	0.491	1.8	100	0.00
42 TMP	1,1,2-Trichloroethane	0.500	0.515	-3.0	100	0.00
43 TMP	2-Hexanone	2.500	2.857	-14.3	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-22-22\
 Data File : 112220.D
 Acq On : 22 Nov 2022 08:46 pm
 Operator : LM
 Sample : 0.5 ppb 8260 ICAL 68-4J
 Misc : soil/water
 ALS Vial : 14 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 29 16:03:15 2022
 Quant Method : D:\Methods\Inst13\VB112222ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed Nov 23 09:07:37 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.500	0.531	-6.2	100	-0.01
45 TMP Tetrachloroethene	0.500	0.505	-1.0	100	0.00
46 TMP Dibromochloromethane	0.500	0.504	-0.8	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	0.500	0.502	-0.4	100	0.00
48 TMP Chlorobenzene	0.500	0.515	-3.0	100	0.00
49 TMP Ethylbenzene	0.500	0.521	-4.2	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.500	0.515	-3.0	100	0.00
51 TMP m,p-Xylene	1.000	1.043	-4.3	100	0.00
52 TMP o-Xylene	0.500	0.520	-4.0	100	0.00
53 TMP Styrene	0.500	0.526	-5.2	100	0.00
54 TMP Isopropylbenzene	0.500	0.539	-7.8	100	0.00
55 TMP Bromoform	0.500	0.442	11.6	100	0.00
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	10.000	10.290	-2.9	100	0.00
58 TMP n-Propylbenzene	0.500	0.506	-1.2	100	0.00
59 TMP Bromobenzene	0.500	0.533	-6.6	100	0.00
60 TMP 1,3,5-Trimethylbenzene	0.500	0.521	-4.2	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.500	0.470	6.0	100	0.00
62 TMP 1,2,3-Trichloropropane	0.500	0.557	-11.4	100	0.00
63 TMP 2-Chlorotoluene	0.500	0.534	-6.8	100	0.00
64 TMP 4-Chlorotoluene	0.500	0.525	-5.0	100	0.00
65 TMP tert-Butylbenzene	0.500	0.489	2.2	100	0.00
66 TMP 1,2,4-Trimethylbenzene	0.500	0.506	-1.2	100	0.00
67 TMP sec-Butylbenzene	0.500	0.501	-0.2	100	0.00
68 TMP p-Isopropyltoluene	0.500	0.508	-1.6	100	0.00
69 TMP 1,3-Dichlorobenzene	0.500	0.531	-6.2	100	0.00
70 TMP 1,4-Dichlorobenzene	0.500	0.521	-4.2	100	0.00
71 TMP 1,2-Dichlorobenzene	0.500	0.498	0.4	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	-1.000	0.000	0.0	0	-10.77#
73 TMP 1,2,4-Trichlorobenzene	0.500	0.463	7.4	100	0.00
74 TMP Hexachlorobutadiene	0.500	0.494	1.2	100	0.00
75 TMP Naphthalene	0.500	0.408	18.4	100	0.00
76 TMP 1,2,3-Trichlorobenzene	0.500	0.435	13.0	100	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Data Path : D:\Proc_GCMS13\11-22-22\
 Data File : 112220.D
 Acq On : 22 Nov 2022 08:46 pm
 Operator : LM
 Sample : 0.5 ppb 8260 ICAL 68-4J
 Misc : soil/water
 ALS Vial : 14 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 29 16:03:15 2022
 Quant Method : D:\Methods\Inst13\VB112222ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed Nov 23 09:07:37 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2 TMP	Ethanol	0.000	0.000#	0.0	0#	-2.34#
3 S	Dibromofluoromethane	0.332	0.313	5.7	100	0.00
4 TMP	Dichlorodifluoromethane	0.625	0.577	7.7	100	0.00
5 TMP	Chloromethane	0.403	0.000#	100.0#	0#	-1.26#
6 TMP	Vinyl chloride	0.394	0.349	11.4	105	-0.01
7 TMP	Bromomethane	0.383	0.000#	100.0#	0#	-1.60#
8 TMP	Chloroethane	0.223	0.227	-1.8	84	-0.01
9 TMP	Trichlorofluoromethane	1.059	0.000#	100.0#	0#	-1.87#
10 TMP	2-Propanol	0.000	0.000	0.0	0#	-2.34#
11 TMP	Acetone	0.025	0.000#	100.0#	0#	-2.33#
12 TMP	1,1-Dichloroethene	0.252	0.227	9.9	100	0.00
13 TMP	Hexane	0.270	0.331	-22.6#	100	0.00
14 TMP	Methylene chloride	0.298	0.000#	100.0#	0#	-2.69#
15 TMP	t-Butyl alcohol (TBA)	0.026	0.000#	100.0#	0#	-2.83#
16 TMP	Methyl t-butyl ether (MTBE)	0.672	0.628	6.5	100	0.00
17 TMP	trans-1,2-Dichloroethene	0.290	0.262	9.7	101	0.00
18 TMP	Diisopropyl ether (DIPE)	0.572	0.539	5.8	100	0.00
19 TMP	1,1-Dichloroethane	0.394	0.369	6.3	100	0.00
20 TMP	Ethyl t-butyl ether (ETBE)	0.305	0.296	3.0	100	0.00
21 TMP	2,2-Dichloropropane	0.319	0.398	-24.8#	100	0.00
22 TMP	cis-1,2-Dichloroethene	0.324	0.296	8.6	100	0.00
23 TMP	Chloroform	0.487	0.475	2.5	100	0.00
24 TMP	2-Butanone (MEK)	0.120	0.120	0.0	100	0.00
25 TMP	t-Amyl methyl ether (TAME)	0.614	0.597	2.8	100	0.00
26 TMP	1,2-Dichloroethane (EDC)	0.412	0.365	11.4	100	0.00
27 TMP	1,1,1-Trichloroethane	0.520	0.486	6.5	100	0.00
28 TMP	1,1-Dichloropropene	0.338	0.309	8.6	100	0.00
29 TMP	Carbon tetrachloride	0.549	0.507	7.7	100	0.00
30 S	1,2-Dichloroethane-d4	0.061	0.056	8.2	100	0.00
31 TMP	Benzene	0.944	0.873	7.5	100	0.00
32 TMP	Trichloroethene	0.354	0.316	10.7	100	0.00
33 TMP	1,2-Dichloropropane	0.211	0.223	-5.7	100	0.00
34 TMP	Bromodichloromethane	0.373	0.372	0.3	100	0.00
35 S	Toluene-d8	0.967	0.898	7.1	100	0.00
36 TMP	Dibromomethane	0.203	0.207	-2.0	100	0.00
37 TMP	4-Methyl-2-pentanone	0.046	0.046	0.0	100	0.00
38 TMP	cis-1,3-Dichloropropene	0.377	0.349	7.4	100	0.00
39 I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40 TMP	Toluene	0.750	0.733	2.3	100	0.00
41 TMP	trans-1,3-Dichloropropene	0.377	0.370	1.9	100	0.00
42 TMP	1,1,2-Trichloroethane	0.221	0.217	1.8	100	0.00
43 TMP	2-Hexanone	0.168	0.192	-14.3	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-22-22\
 Data File : 112220.D
 Acq On : 22 Nov 2022 08:46 pm
 Operator : LM
 Sample : 0.5 ppb 8260 ICAL 68-4J
 Misc : soil/water
 ALS Vial : 14 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 29 16:03:15 2022
 Quant Method : D:\Methods\Inst13\VB112222ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed Nov 23 09:07:37 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.356	0.378	-6.2	100	-0.01
45 TMP Tetrachloroethene	0.462	0.435	5.8	100	0.00
46 TMP Dibromochloromethane	0.463	0.466	-0.6	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	0.344	0.346	-0.6	100	0.00
48 TMP Chlorobenzene	0.950	0.978	-2.9	100	0.00
49 TMP Ethylbenzene	1.361	1.371	-0.7	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.423	0.435	-2.8	100	0.00
51 TMP m,p-Xylene	0.593	0.595	-0.3	100	0.00
52 TMP o-Xylene	0.590	0.591	-0.2	100	0.00
53 TMP Styrene	0.860	0.906	-5.3	100	0.00
54 TMP Isopropylbenzene	1.373	1.481	-7.9	100	0.00
55 TMP Bromoform	0.326	0.288	11.7	100	0.00
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	0.635	0.654	-3.0	100	0.00
58 TMP n-Propylbenzene	2.319	2.347	-1.2	100	0.00
59 TMP Bromobenzene	0.844	0.900	-6.6	100	0.00
60 TMP 1,3,5-Trimethylbenzene	1.903	1.983	-4.2	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.473	0.481#	-1.7	100	0.00
62 TMP 1,2,3-Trichloropropane	0.370	0.412#	-11.4	100	0.00
63 TMP 2-Chlorotoluene	1.374	1.467	-6.8	100	0.00
64 TMP 4-Chlorotoluene	1.629	1.709	-4.9	100	0.00
65 TMP tert-Butylbenzene	1.942	1.901	2.1	100	0.00
66 TMP 1,2,4-Trimethylbenzene	1.964	1.987	-1.2	100	0.00
67 TMP sec-Butylbenzene	2.462	2.464	-0.1	100	0.00
68 TMP p-Isopropyltoluene	2.410	2.450	-1.7	100	0.00
69 TMP 1,3-Dichlorobenzene	1.491	1.582	-6.1	100	0.00
70 TMP 1,4-Dichlorobenzene	1.486	1.549	-4.2	100	0.00
71 TMP 1,2-Dichlorobenzene	1.416	1.411	0.4	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	0.097	0.000#	100.0#	0#	-10.77#
73 TMP 1,2,4-Trichlorobenzene	0.944	0.875	7.3	100	0.00
74 TMP Hexachlorobutadiene	0.565	0.557	1.4	100	0.00
75 TMP Naphthalene	1.846	1.504	18.5	100	0.00
76 TMP 1,2,3-Trichlorobenzene	0.804	0.700	12.9	100	0.00

(#) = Out of Range

SPCC's out = 10 CCC's out = 0

Data Path : D:\Proc_GCMS13\11-22-22\
 Data File : 112220.D
 Acq On : 22 Nov 2022 08:46 pm
 Operator : LM
 Sample : 0.5 ppb 8260 ICAL 68-4J
 Misc : soil/water
 ALS Vial : 14 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 29 16:03:15 2022
 Quant Method : D:\Methods\Inst13\VB112222ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed Nov 23 09:07:37 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	4.75	96	101275	10.000	ppb	0.00	
39) Chlorobenzene-d5	7.40	117	87335	10.000	ppb	0.00	
56) 1,4-Dichlorobenzene-d4	9.62	152	53496	10.000	ppb	0.00	
System Monitoring Compounds							
3) Dibromofluoromethane	4.17	113	31733	9.448	ppb	0.00	
Spiked Amount	10.000	Range	50 - 150	Recovery	=	94.50%	
30) 1,2-Dichloroethane-d4	4.45	102	5635	9.049	ppb	0.00	
Spiked Amount	10.000	Range	84 - 120	Recovery	=	90.50%	
35) Toluene-d8	6.10	98	90925	9.285	ppb	0.00	
Spiked Amount	10.000	Range	73 - 128	Recovery	=	92.90%	
57) 4-Bromofluorobenzene	8.51	95	34968	10.290	ppb	0.00	
Spiked Amount	10.000	Range	57 - 146	Recovery	=	102.90%	
Target Compounds							
							Qvalue
2) Ethanol	0.00		0	N.D.			
4) Dichlorodifluoromethane	1.12	85	2922	0.462	ppb		97
5) Chloromethane	0.00		0	N.D.	d		
6] Vinyl chloride	1.34	62	1766m	0.443	ppb		
7) Bromomethane	0.00		0	N.D.			
8] Chloroethane	1.66	64	1148m	0.508	ppb		
9) Trichlorofluoromethane	0.00		0	N.D.	d		
10] 2-Propanol	0.00		0	N.D.			
11) Acetone	0.00		0	N.D.	d		
12] 1,1-Dichloroethene	2.27	96	1147m	0.450	ppb		
13) Hexane	3.16	57	1678	0.614	ppb		84
14) Methylene chloride	0.00		0	N.D.	d		
15) t-Butyl alcohol (TBA)	0.00		0	N.D.	d		
16] Methyl t-butyl ether (...)	2.93	73	3178m	0.467	ppb		
17] trans-1,2-Dichloroethene	2.92	96	1326m	0.451	ppb		
18) Diisopropyl ether (DIPE)	3.35	45	2729	0.471	ppb		95
19] 1,1-Dichloroethane	3.28	63	1866	0.467	ppb		99
20) Ethyl t-butyl ether (E...)	3.66	87	1501	0.485	ppb		93
21) 2,2-Dichloropropane	3.77	77	2017	0.566	ppb		95
22] cis-1,2-Dichloroethene	3.77	96	1501	0.458	ppb		99
23) Chloroform	4.04	83	2406	0.488	ppb		95
24) 2-Butanone (MEK)	3.80	43	3044	2.312	ppb		95
25) t-Amyl methyl ether (T...)	4.61	73	3022	0.486	ppb		98
26] 1,2-Dichloroethane (EDC)	4.53	62	1847	0.464	ppb		99
27] 1,1,1-Trichloroethane	4.19	97	2462	0.468	ppb		98
28) 1,1-Dichloropropene	4.33	75	1565	0.458	ppb		81
29) Carbon tetrachloride	4.33	117	2566	0.461	ppb		88
31] Benzene	4.50	78	4423	0.463	ppb		99
32] Trichloroethene	5.05	95	1599	0.458	ppb		97
33) 1,2-Dichloropropane	5.24	63	1129	0.529	ppb	#	79
34) Bromodichloromethane	5.48	83	1884	0.498	ppb		90
36) Dibromomethane	5.35	93	1048	0.511	ppb		82

Data Path : D:\Proc_GCMS13\11-22-22\
 Data File : 112220.D
 Acq On : 22 Nov 2022 08:46 pm
 Operator : LM
 Sample : 0.5 ppb 8260 ICAL 68-4J
 Misc : soil/water
 ALS Vial : 14 Sample Multiplier: 1
 InstName : GCMS13

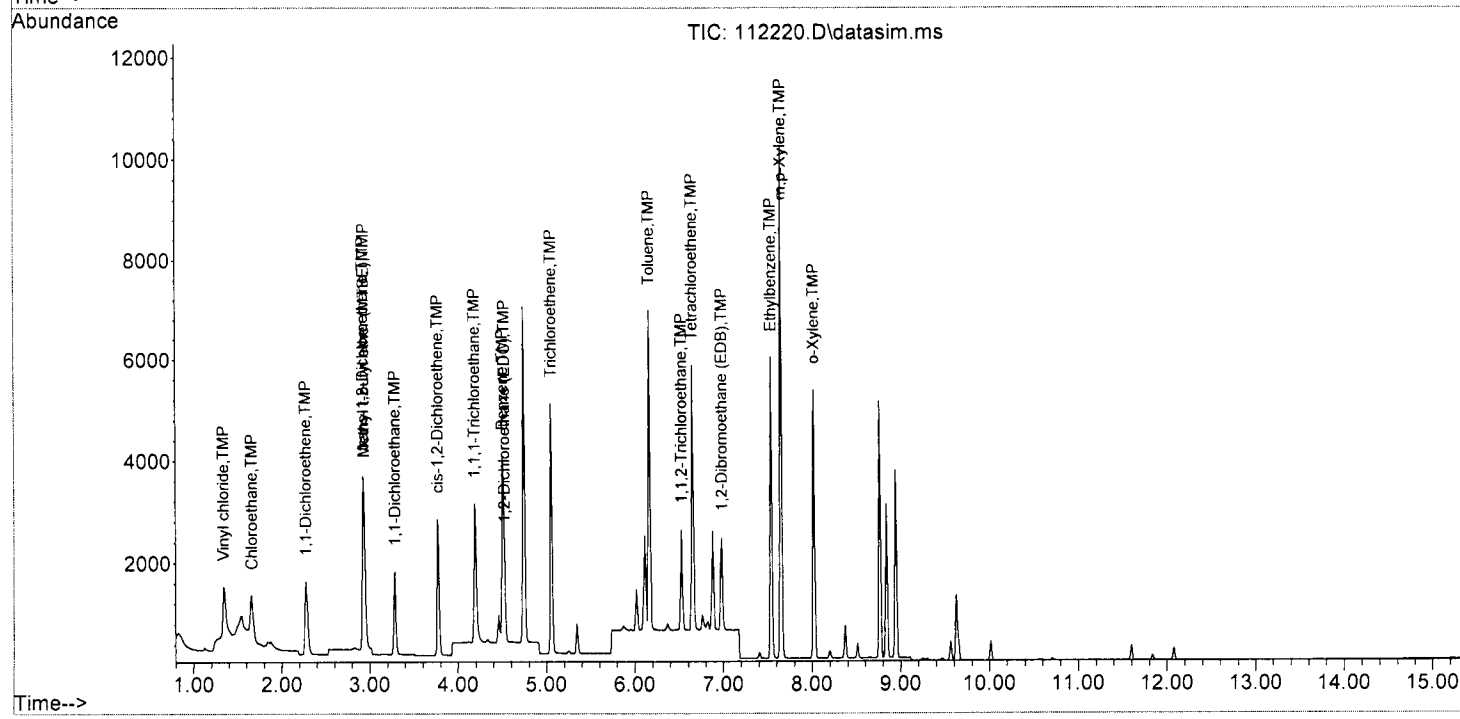
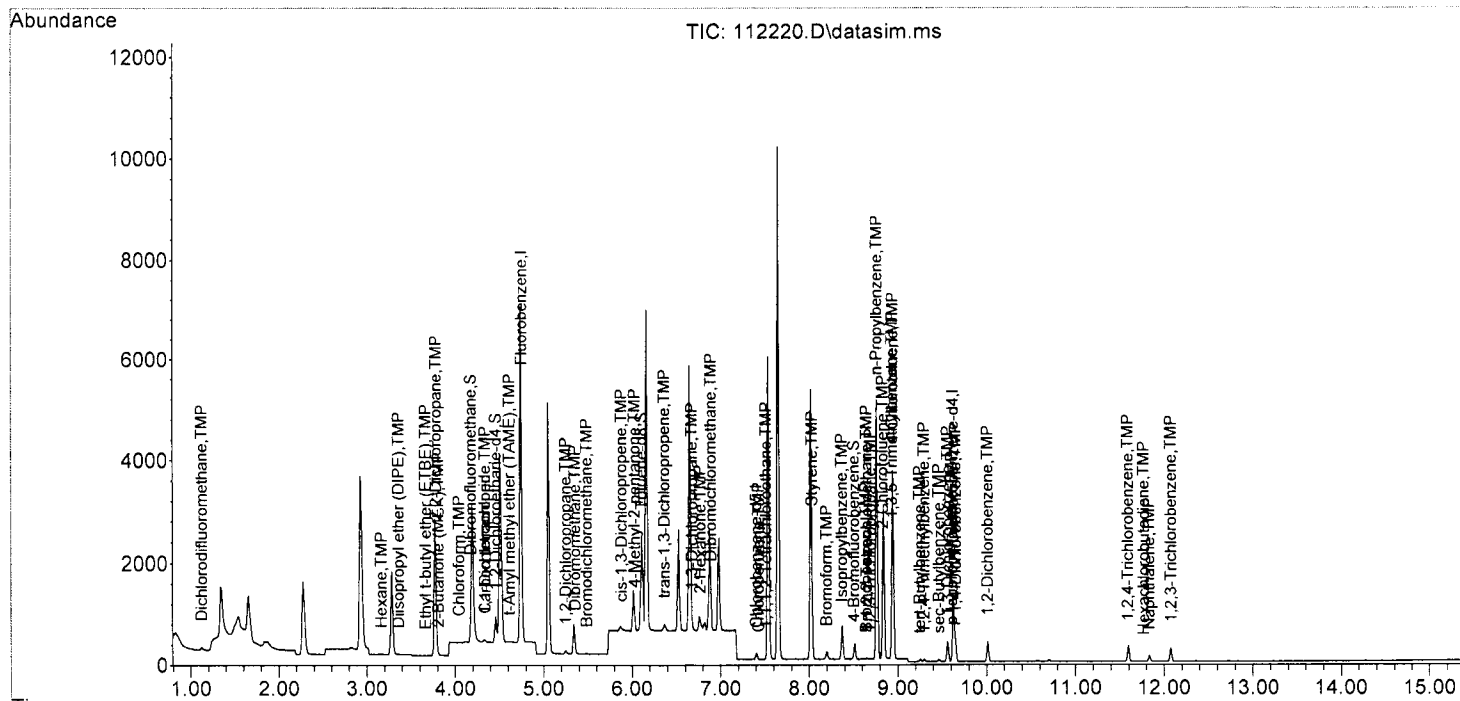
Quant Time: Nov 29 16:03:15 2022
 Quant Method : D:\Methods\Inst13\VB112222ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed Nov 23 09:07:37 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
37) 4-Methyl-2-pentanone	6.02	85	1158	2.494	ppb	#	85
38) cis-1,3-Dichloropropene	5.88	75	1768	0.463	ppb		88
40] Toluene	6.16	92	3199	0.514	ppb		98
41) trans-1,3-Dichloropropene	6.36	75	1616	0.491	ppb		84
42] 1,1,2-Trichloroethane	6.53	83	947	0.515	ppb		96
43) 2-Hexanone	6.76	43	4202	2.857	ppb		90
44) 1,3-Dichloropropane	6.67	76	1651	0.531	ppb		98
45] Tetrachloroethene	6.65	164	1901	0.505	ppb		99
46) Dibromochloromethane	6.88	129	2037	0.504	ppb		91
47] 1,2-Dibromoethane (EDB)	6.98	107	1509	0.502	ppb		100
48) Chlorobenzene	7.43	112	4269	0.515	ppb		92
49] Ethylbenzene	7.54	91	5987	0.521	ppb		100
50] 1,1,1,2-Tetrachloroethane	7.52	131	1901	0.515	ppb		87
51] m,p-Xylene	7.65	106	5196	1.043	ppb		100
52] o-Xylene	8.02	106	2581	0.520	ppb		99
53) Styrene	8.03	104	3955	0.526	ppb		93
54) Isopropylbenzene	8.37	105	6467	0.539	ppb		96
55) Bromoform	8.20	173	1259	0.442	ppb		91
58) n-Propylbenzene	8.77	91	6278	0.506	ppb		99
59) Bromobenzene	8.65	156	2407	0.533	ppb		89
60] 1,3,5-Trimethylbenzene	8.94	105	5305	0.521	ppb		95
61) 1,1,2,2-Tetrachloroethane	8.65	83	1286	0.470	ppb		94
62) 1,2,3-Trichloropropane	8.70	75	1103	0.557	ppb		85
63) 2-Chlorotoluene	8.84	91	3923	0.534	ppb		98
64) 4-Chlorotoluene	8.95	91	4570	0.525	ppb		100
65) tert-Butylbenzene	9.25	119	5084	0.489	ppb		92
66) 1,2,4-Trimethylbenzene	9.30	105	5315	0.506	ppb		96
67) sec-Butylbenzene	9.46	105	6591	0.501	ppb		96
68) p-Isopropyltoluene	9.61	119	6553	0.508	ppb		94
69) 1,3-Dichlorobenzene	9.56	146	4232	0.531	ppb		94
70) 1,4-Dichlorobenzene	9.65	146	4142	0.521	ppb		99
71) 1,2-Dichlorobenzene	10.01	146	3773	0.498	ppb		88
72) 1,2-Dibromo-3-chloropr...	0.00		0	N.D.	d		
73) 1,2,4-Trichlorobenzene	11.59	180	2340	0.463	ppb		88
74) Hexachlorobutadiene	11.77	225	1491	0.494	ppb		91
75) Naphthalene	11.83	128	4024	0.408	ppb		98
76) 1,2,3-Trichlorobenzene	12.08	180	1872	0.435	ppb		96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS13\11-22-22\
 Data File : 112220.D
 Acq On : 22 Nov 2022 08:46 pm
 Operator : LM
 Sample : 0.5 ppb 8260 ICAL 68-4J
 Misc : soil/water
 ALS Vial : 14 Sample Multiplier: 1
 InstName : GCMS13

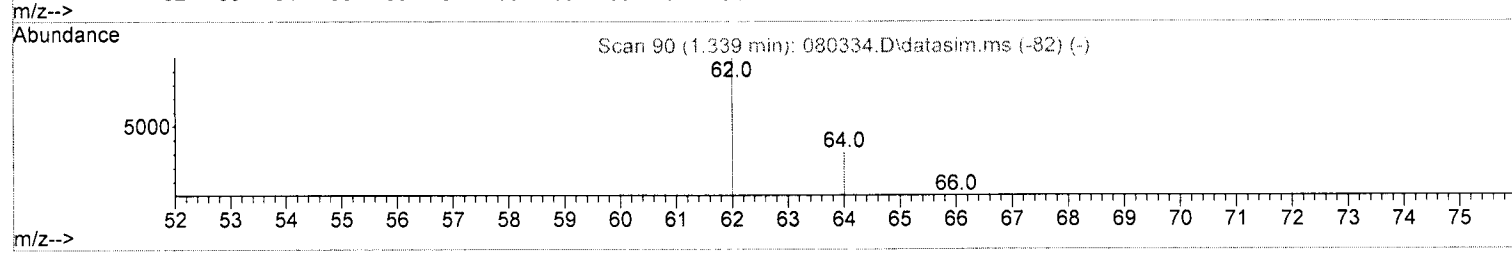
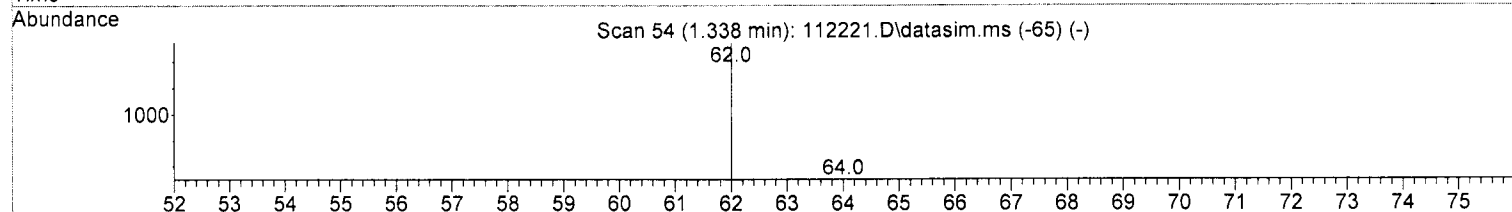
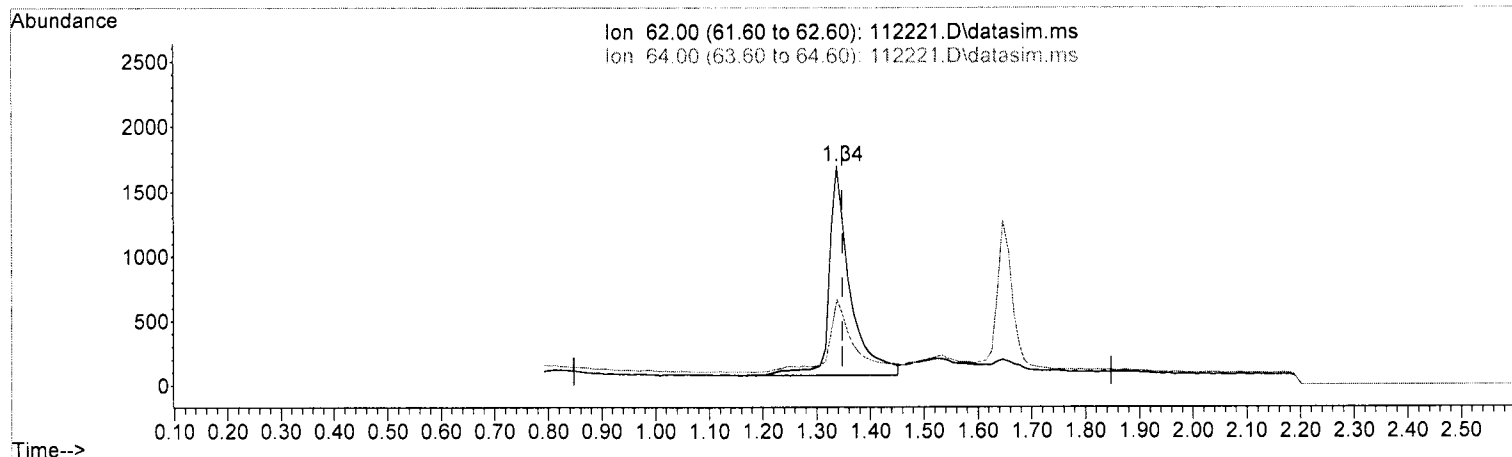
Quant Time: Nov 29 16:03:15 2022
 Quant Method : D:\Methods\Inst13\VB112222ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed Nov 23 09:07:37 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-22-22\
 Data File : 112221.D
 Acq On : 22 Nov 2022 09:09 pm
 Operator : LM
 Sample : 1 ppb 8260 ICAL 68-4K
 Misc : soil/water
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 29 16:03:17 2022
 Quant Method : D:\Methods\Inst13\VB112222ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed Nov 23 09:07:37 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 112221.D\data.ms

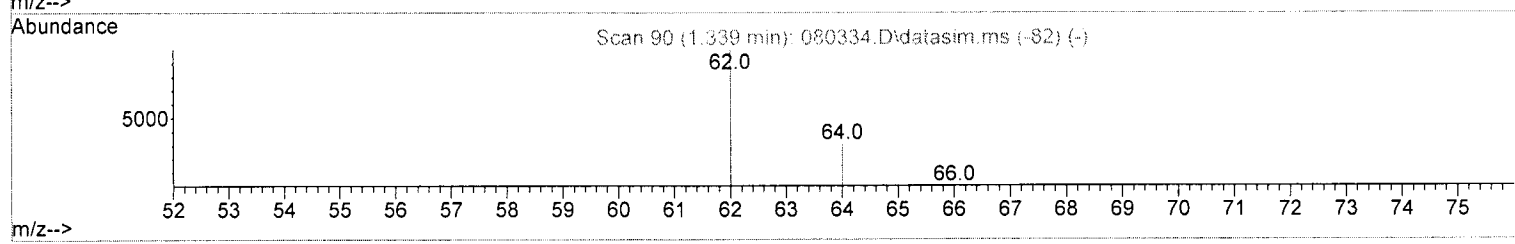
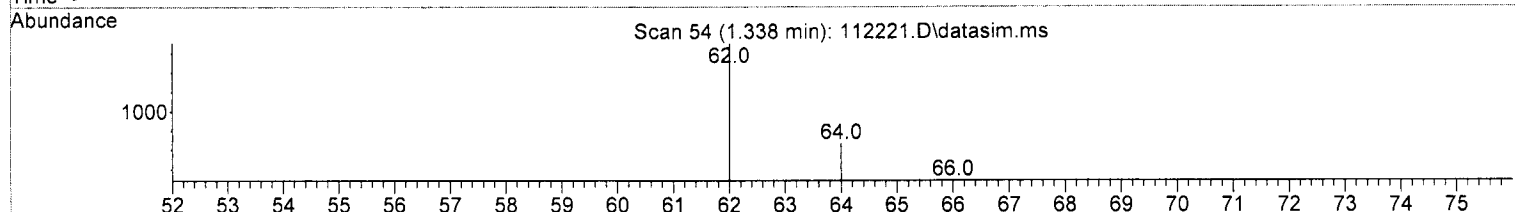
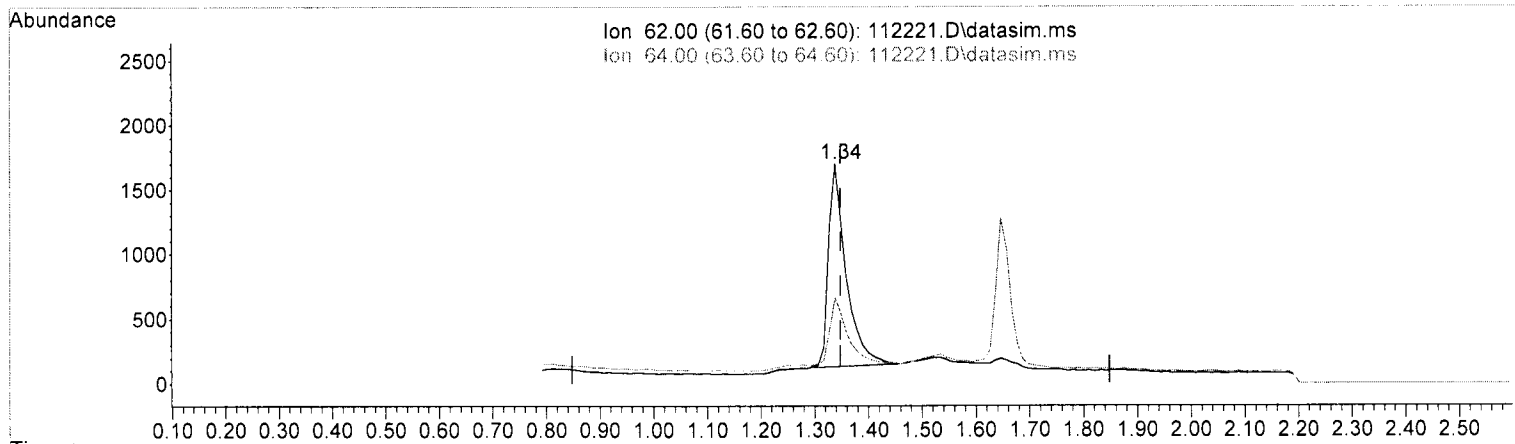
(6) Vinyl chloride (TMP)		
1.338min (-0.010)	1.213	ppb
response	4386	
Ion	Exp%	Act%
62.00	100.00	100.00
64.00	33.40	34.52
0.00	0.00	0.00
0.00	0.00	0.00

Handwritten notes: W/za and a signature.

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-22-22\
 Data File : 112221.D
 Acq On : 22 Nov 2022 09:09 pm
 Operator : LM
 Sample : 1 ppb 8260 ICAL 68-4K
 Misc : soil/water
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 29 16:03:17 2022
 Quant Method : D:\Methods\Inst13\VB112222ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed Nov 23 09:07:37 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 112221.D\data.ms

(6) Vinyl chloride (TMP)
 1.338min (-0.010) 0.986 ppb m

response	3565	
Ion	Exp%	Act%
62.00	100.00	100.00
64.00	33.40	38.98
0.00	0.00	0.00
0.00	0.00	0.00

11/29 LM

Data Path : D:\Proc_GCMS13\11-22-22\
 Data File : 112227.D
 Acq On : 22 Nov 2022 11:28 pm
 Operator : LM
 Sample : 100 ppb 8260 ICAL 68-4S
 Misc : soil/water
 ALS Vial : 21 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 29 16:03:29 2022
 Quant Method : D:\Methods\Inst13\VB112222ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed Nov 23 09:07:37 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	1.000	1.000	0.0	100	-0.01
2 TMP	Ethanol	0.000	0.000#	0.0	100	-0.01
3 S	Dibromofluoromethane	0.332	0.351	-5.7	100	0.00
4 TMP	Dichlorodifluoromethane	0.625	0.657	-5.1	100	-0.01
5 TMP	Chloromethane	0.403	0.398	1.2	100	-0.01
6 TMP	Vinyl chloride	0.394	0.423	-7.4	100	-0.02
7 TMP	Bromomethane	0.383	0.408	-6.5	100	-0.01
8 TMP	Chloroethane	0.223	0.219	1.8	100	-0.03
9 TMP	Trichlorofluoromethane	1.059	1.128	-6.5	100	-0.01
10 TMP	2-Propanol	0.000	0.000	0.0	0#	0.00
11 TMP	Acetone	0.025	0.025	0.0	100	-0.01
12 TMP	1,1-Dichloroethene	0.252	0.254	-0.8	100	0.00
13 TMP	Hexane	0.270	0.255	5.6	100	0.00
14 TMP	Methylene chloride	0.298	0.234	21.5#	100	-0.01
15 TMP	t-Butyl alcohol (TBA)	0.026	0.026#	0.0	100	-0.01
16 TMP	Methyl t-butyl ether (MTBE)	0.672	0.656	2.4	100	0.00
17 TMP	trans-1,2-Dichloroethene	0.290	0.287	1.0	100	-0.01
18 TMP	Diisopropyl ether (DIPE)	0.572	0.551	3.7	100	0.00
19 TMP	1,1-Dichloroethane	0.394	0.376	4.6	100	-0.01
20 TMP	Ethyl t-butyl ether (ETBE)	0.305	0.306	-0.3	100	-0.01
21 TMP	2,2-Dichloropropane	0.319	0.298	6.6	100	-0.01
22 TMP	cis-1,2-Dichloroethene	0.324	0.315	2.8	100	0.00
23 TMP	Chloroform	0.487	0.485	0.4	100	0.00
24 TMP	2-Butanone (MEK)	0.120	0.116	3.3	100	0.00
25 TMP	t-Amyl methyl ether (TAME)	0.614	0.600	2.3	100	0.00
26 TMP	1,2-Dichloroethane (EDC)	0.412	0.349	15.3	100	-0.01
27 TMP	1,1,1-Trichloroethane	0.520	0.519	0.2	100	0.00
28 TMP	1,1-Dichloropropene	0.338	0.332	1.8	100	0.00
29 TMP	Carbon tetrachloride	0.549	0.575	-4.7	100	0.00
30 S	1,2-Dichloroethane-d4	0.061	0.065	-6.6	100	0.00
31 TMP	Benzene	0.944	0.902	4.4	100	0.00
32 TMP	Trichloroethene	0.354	0.343	3.1	100	0.00
33 TMP	1,2-Dichloropropane	0.211	0.196	7.1	100	0.00
34 TMP	Bromodichloromethane	0.373	0.375	-0.5	100	0.00
35 S	Toluene-d8	0.967	1.032	-6.7	100	0.00
36 TMP	Dibromomethane	0.203	0.200	1.5	100	-0.01
37 TMP	4-Methyl-2-pentanone	0.046	0.046	0.0	100	0.00
38 TMP	cis-1,3-Dichloropropene	0.377	0.386	-2.4	100	0.00
39 I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40 TMP	Toluene	0.750	0.668	10.9	100	0.00
41 TMP	trans-1,3-Dichloropropene	0.377	0.363	3.7	100	0.00
42 TMP	1,1,2-Trichloroethane	0.221	0.195	11.8	100	0.00
43 TMP	2-Hexanone	0.168	0.148	11.9	100	0.00

Data Path : D:\Proc_GCMS13\11-22-22\
 Data File : 112227.D
 Acq On : 22 Nov 2022 11:28 pm
 Operator : LM
 Sample : 100 ppb 8260 ICAL 68-4S
 Misc : soil/water
 ALS Vial : 21 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 29 16:03:29 2022
 Quant Method : D:\Methods\Inst13\VB112222ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed Nov 23 09:07:37 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.356	0.327	8.1	100	0.00
45 TMP Tetrachloroethene	0.462	0.399	13.6	100	0.00
46 TMP Dibromochloroethane	0.463	0.458	1.1	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	0.344	0.319	7.3	100	0.00
48 TMP Chlorobenzene	0.950	0.924	2.7	100	0.00
49 TMP Ethylbenzene	1.361	1.206	11.4	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.423	0.415	1.9	100	0.00
51 TMP m,p-Xylene	0.593	0.522	12.0	100	0.00
52 TMP o-Xylene	0.590	0.527	10.7	100	0.00
53 TMP Styrene	0.860	0.812	5.6	100	0.00
54 TMP Isopropylbenzene	1.373	1.301	5.2	100	0.00
55 TMP Bromoform	0.326	0.336	-3.1	100	0.00
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	0.635	0.625	1.6	100	0.00
58 TMP n-Propylbenzene	2.319	2.167	6.6	100	0.00
59 TMP Bromobenzene	0.844	0.819	3.0	100	0.00
60 TMP 1,3,5-Trimethylbenzene	1.903	1.787	6.1	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.473	0.424#	10.4	100	0.00
62 TMP 1,2,3-Trichloropropane	0.370	0.334#	9.7	100	0.00
63 TMP 2-Chlorotoluene	1.374	1.252	8.9	100	0.00
64 TMP 4-Chlorotoluene	1.629	1.506	7.6	100	0.00
65 TMP tert-Butylbenzene	1.942	1.898	2.3	100	0.00
66 TMP 1,2,4-Trimethylbenzene	1.964	1.900	3.3	100	0.00
67 TMP sec-Butylbenzene	2.462	2.408	2.2	100	0.00
68 TMP p-Isopropyltoluene	2.410	2.439	-1.2	100	0.00
69 TMP 1,3-Dichlorobenzene	1.491	1.457	2.3	100	0.00
70 TMP 1,4-Dichlorobenzene	1.486	1.421	4.4	100	0.00
71 TMP 1,2-Dichlorobenzene	1.416	1.396	1.4	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	0.097	0.097	0.0	100	0.00
73 TMP 1,2,4-Trichlorobenzene	0.944	1.043	-10.5	100	0.00
74 TMP Hexachlorobutadiene	0.565	0.585	-3.5	100	0.00
75 TMP Naphthalene	1.846	2.073	-12.3	100	0.00
76 TMP 1,2,3-Trichlorobenzene	0.804	0.901	-12.1	100	0.00

(#) = Out of Range

SPCC's out = 4 CCC's out = 0

Data Path : D:\Proc_GCMS13\11-22-22\
 Data File : 112227.D
 Acq On : 22 Nov 2022 11:28 pm
 Operator : LM
 Sample : 100 ppb 8260 ICAL 68-45
 Misc : soil/water
 ALS Vial : 21 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 29 16:03:29 2022
 Quant Method : D:\Methods\Inst13\VB112222ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed Nov 23 09:07:37 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	4.73	96	82472	10.000	ppb	-0.01
39) Chlorobenzene-d5	7.40	117	84163	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	51366	10.000	ppb	# 0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.17	113	28911	10.570	ppb	0.00
Spiked Amount	10.000	Range	50 - 150	Recovery	=	105.70%
30) 1,2-Dichloroethane-d4	4.45	102	5357	10.564	ppb	0.00
Spiked Amount	10.000	Range	84 - 120	Recovery	=	105.60%
35) Toluene-d8	6.11	98	85119	10.674	ppb	0.00
Spiked Amount	10.000	Range	73 - 128	Recovery	=	106.70%
57) 4-Bromofluorobenzene	8.51	95	32088	9.835	ppb	0.00
Spiked Amount	10.000	Range	57 - 146	Recovery	=	98.30%
Target Compounds						
2) Ethanol	2.33	45	1786	No Calib		Qvalue
4) Dichlorodifluoromethane	1.11	85	541489	105.104	ppb	99
5) Chloromethane	1.25	50	328099	98.666	ppb	95
6] Vinyl chloride	1.33	62	348662	107.309	ppb	93
7) Bromomethane	1.59	94	336332	106.507	ppb	98
8] Chloroethane	1.64	64	180238	97.915	ppb	96
9) Trichlorofluoromethane	1.86	101	930025	106.509	ppb	91
10) 2-Propanol	2.33	45	1786	No Calib		
11) Acetone	2.32	58	102966	511.147	ppb	99
12] 1,1-Dichloroethene	2.27	96	209199	100.809	ppb	97
13) Hexane	3.16	57	210559	94.598	ppb	94
14) Methylene chloride	2.68	84	193343	97.831	ppb	96
15) t-Butyl alcohol (TBA)	2.82	59	107571	497.853	ppb	99
16] Methyl t-butyl ether (...)	2.93	73	541281	97.734	ppb	94
17] trans-1,2-Dichloroethene	2.91	96	236438	98.737	ppb	97
18) Diisopropyl ether (DIPE)	3.35	45	454616	96.290	ppb	96
19] 1,1-Dichloroethane	3.27	63	309877	95.310	ppb	97
20) Ethyl t-butyl ether (E...)	3.65	87	252597	100.266	ppb	97
21) 2,2-Dichloropropane	3.76	77	245618	103.520	ppb	96
22] cis-1,2-Dichloroethene	3.77	96	260085	97.359	ppb	87
23) Chloroform	4.04	83	399652	99.449	ppb	99
24) 2-Butanone (MEK)	3.79	43	477563	499.932	ppb	97
25) t-Amyl methyl ether (T...)	4.61	73	494494	97.711	ppb	98
26] 1,2-Dichloroethane (EDC)	4.52	62	287836	98.682	ppb	96
27] 1,1,1-Trichloroethane	4.19	97	427987	99.812	ppb	94
28) 1,1-Dichloropropene	4.33	75	274049	98.449	ppb	95
29) Carbon tetrachloride	4.33	117	473817	104.603	ppb	98
31] Benzene	4.50	78	743527	95.533	ppb	96
32] Trichloroethene	5.05	95	283133	101.064	ppb	85
33) 1,2-Dichloropropane	5.24	63	161963	93.201	ppb	99
34) Bromodichloromethane	5.48	83	309341	100.491	ppb	97
36) Dibromomethane	5.34	93	165023	98.789	ppb	85

Data Path : D:\Proc_GCMS13\11-22-22\
 Data File : 112227.D
 Acq On : 22 Nov 2022 11:28 pm
 Operator : LM
 Sample : 100 ppb 8260 ICAL 68-4S
 Misc : soil/water
 ALS Vial : 21 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 29 16:03:29 2022
 Quant Method : D:\Methods\Inst13\VB112222ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed Nov 23 09:07:37 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

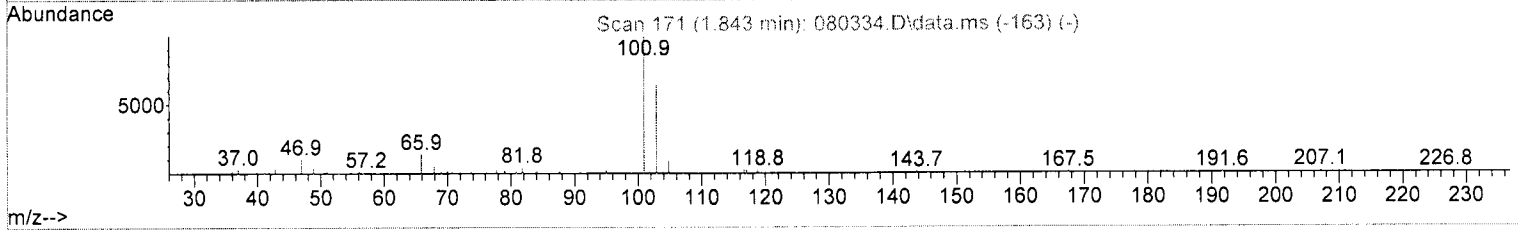
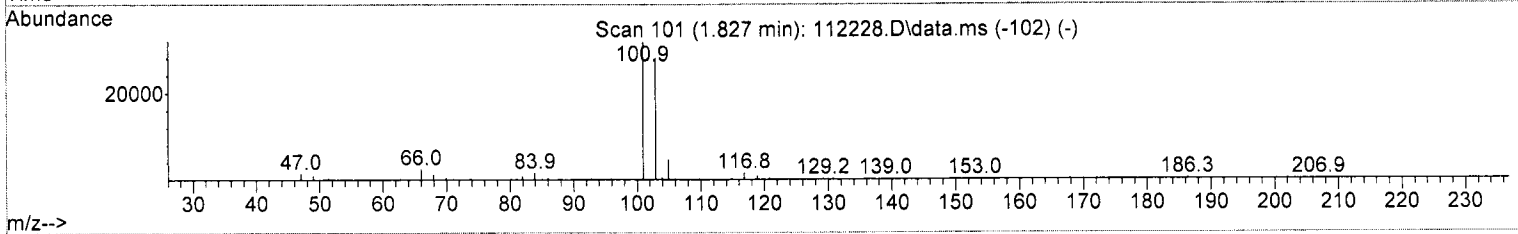
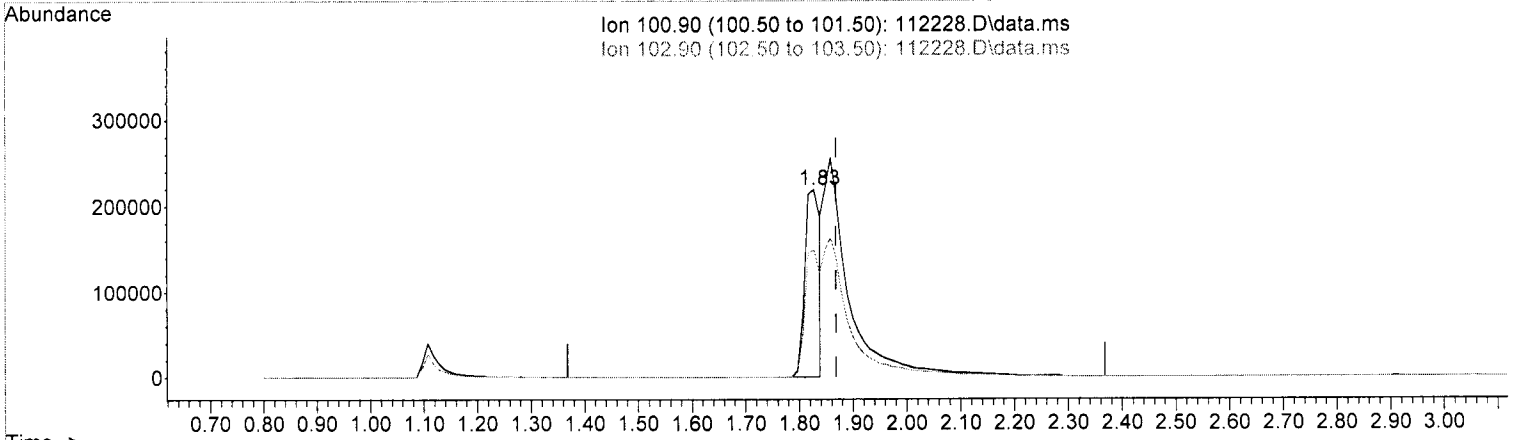
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	6.02	85	188505	498.448	ppb	87
38) cis-1,3-Dichloropropene	5.88	75	317961	102.337	ppb	99
40] Toluene	6.16	92	562148	95.686	ppb	96
41) trans-1,3-Dichloropropene	6.36	75	305274	96.222	ppb	97
42] 1,1,2-Trichloroethane	6.53	83	164344	94.644	ppb	95
43) 2-Hexanone	6.76	43	624035	440.288	ppb	98
44) 1,3-Dichloropropane	6.68	76	275283	91.818	ppb	99
45] Tetrachloroethene	6.65	164	336215	98.470	ppb	98
46) Dibromochloromethane	6.88	129	385508	98.974	ppb	96
47] 1,2-Dibromoethane (EDB)	6.98	107	268270	92.700	ppb	99
48) Chlorobenzene	7.43	112	777296	97.256	ppb	99
49] Ethylbenzene	7.54	91	1015212	93.038	ppb	97
50) 1,1,1,2-Tetrachloroethane	7.51	131	349643	98.228	ppb	99
51] m,p-Xylene	7.65	106	878223	185.744	ppb	96
52] o-Xylene	8.02	106	443597	94.233	ppb	96
53) Styrene	8.03	104	683274	94.359	ppb	97
54) Isopropylbenzene	8.37	105	1094569	94.722	ppb	99
55) Bromoform	8.20	173	282996	103.016	ppb	98
58) n-Propylbenzene	8.77	91	1112848	93.410	ppb	98
59) Bromobenzene	8.65	156	420796	97.099	ppb	96
60) 1,3,5-Trimethylbenzene	8.94	105	917972	93.895	ppb	98
61) 1,1,2,2-Tetrachloroethane	8.65	83	217548	94.136	ppb	98
62) 1,2,3-Trichloropropane	8.70	75	171812	90.349	ppb	98
63) 2-Chlorotoluene	8.84	91	642896	91.107	ppb	93
64) 4-Chlorotoluene	8.95	91	773696	92.489	ppb	99
65) tert-Butylbenzene	9.25	119	974929	97.716	ppb	98
66) 1,2,4-Trimethylbenzene	9.30	105	975988	96.722	ppb	96
67) sec-Butylbenzene	9.46	105	1236988	97.830	ppb	99
68) p-Isopropyltoluene	9.61	119	1252893	101.205	ppb	99
69) 1,3-Dichlorobenzene	9.56	146	748186	97.693	ppb	99
70) 1,4-Dichlorobenzene	9.64	146	729906	95.638	ppb	100
71) 1,2-Dichlorobenzene	10.01	146	717016	98.594	ppb	99
72) 1,2-Dibromo-3-chloropr...	10.77	75	49861	99.622	ppb	85
73) 1,2,4-Trichlorobenzene	11.59	180	535778	110.485	ppb	97
74) Hexachlorobutadiene	11.77	225	300599	103.648	ppb	98
75) Naphthalene	11.83	128	1064644	112.307	ppb	99
76) 1,2,3-Trichlorobenzene	12.08	180	462869	112.093	ppb	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-22-22\
 Data File : 112228.D
 Acq On : 22 Nov 2022 11:51 pm
 Operator : LM
 Sample : 150 ppb 8260 ICAL 68-4T
 Misc : soil/water
 ALS Vial : 22 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 29 16:03:31 2022
 Quant Method : D:\Methods\Inst13\VB112222ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed Nov 23 09:07:37 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 112228.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.827min (-0.041) 48.759 ppb

response 434782

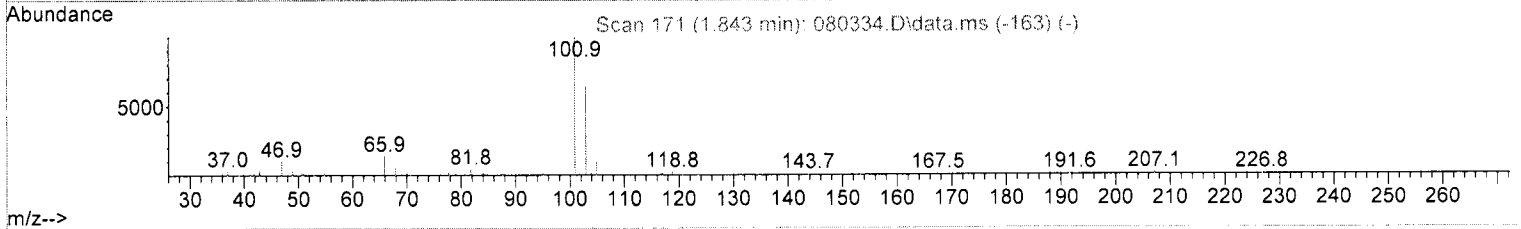
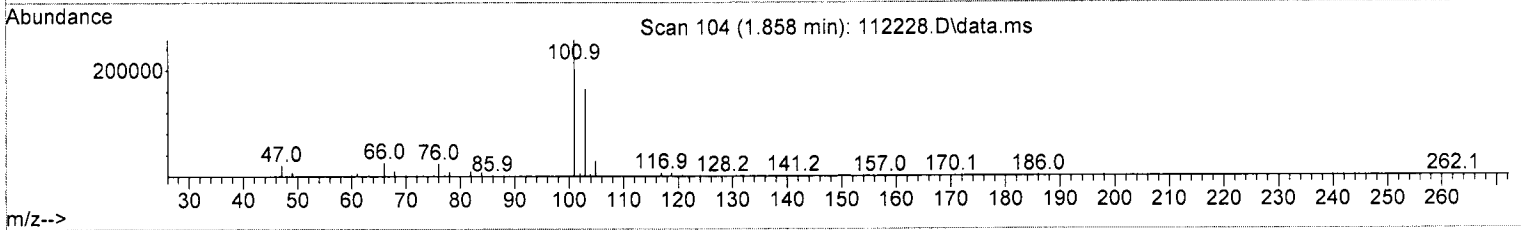
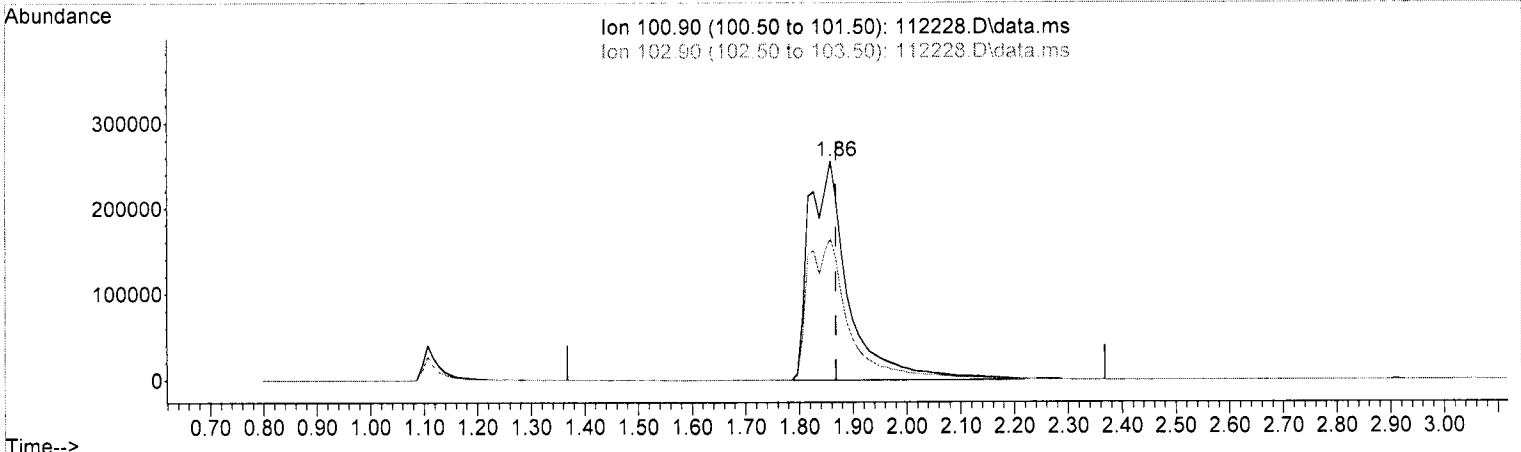
Ion	Exp%	Act%
100.90	100.00	100.00
102.90	59.40	68.28
0.00	0.00	0.00
0.00	0.00	0.00

Handwritten note: 11/29 LM

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-22-22\
 Data File : 112228.D
 Acq On : 22 Nov 2022 11:51 pm
 Operator : LM
 Sample : 150 ppb 8260 ICAL 68-4T
 Misc : soil/water
 ALS Vial : 22 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 29 16:03:31 2022
 Quant Method : D:\Methods\Inst13\VB112222ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed Nov 23 09:07:37 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 112228.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.858min (-0.010) 155.583 ppb m

response	1387333
Ion	Exp% Act%
100.90	100.00 100.00
102.90	59.40 63.98
0.00	0.00 0.00
0.00	0.00 0.00

11/29 LM

Data Path : D:\Proc_GCMS13\11-22-22\
 Data File : 112228.D
 Acq On : 22 Nov 2022 11:51 pm
 Operator : LM
 Sample : 150 ppb 8260 ICAL 68-4T
 Misc : soil/water
 ALS Vial : 22 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 29 16:03:31 2022
 Quant Method : D:\Methods\Inst13\VB112222ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed Nov 23 09:07:37 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	10.000	10.000	0.0	100	-0.01
2 TMP	Ethanol	-1.000	0.000	0.0	100	-0.02
3 S	Dibromofluoromethane	10.000	10.392	-3.9	100	0.00
4 TMP	Dichlorodifluoromethane	150.000	150.368	-0.2	100	0.00
5 TMP	Chloromethane	150.000	147.964	1.4	100	0.00
6 TMP	Vinyl chloride	150.000	155.868	-3.9	100	-0.02
7 TMP	Bromomethane	150.000	155.285	-3.5	100	-0.02
8 TMP	Chloroethane	150.000	141.871	5.4	100	-0.03
9 TMP	Trichlorofluoromethane	150.000	155.583	-3.7	104	0.00
10 TMP	2-Propanol	-1.000	0.000	0.0	0	-0.02
11 TMP	Acetone	750.000	733.669	2.2	100	0.00
12 TMP	1,1-Dichloroethene	150.000	148.211	1.2	100	0.00
13 TMP	Hexane	150.000	136.846	8.8	100	0.00
14 TMP	Methylene chloride	150.000	149.118	0.6	100	0.00
15 TMP	t-Butyl alcohol (TBA)	750.000	725.059	3.3	100	-0.02
16 TMP	Methyl t-butyl ether (MTBE)	150.000	142.995	4.7	100	0.00
17 TMP	trans-1,2-Dichloroethene	150.000	146.084	2.6	100	0.00
18 TMP	Diisopropyl ether (DIPE)	150.000	155.818	-3.9	100	0.00
19 TMP	1,1-Dichloroethane	150.000	139.634	6.9	100	-0.01
20 TMP	Ethyl t-butyl ether (ETBE)	150.000	149.547	0.3	100	-0.01
21 TMP	2,2-Dichloropropane	150.000	151.087	-0.7	100	0.00
22 TMP	cis-1,2-Dichloroethene	150.000	144.165	3.9	100	0.00
23 TMP	Chloroform	150.000	146.477	2.3	100	0.00
24 TMP	2-Butanone (MEK)	750.000	731.146	2.5	100	-0.01
25 TMP	t-Amyl methyl ether (TAME)	150.000	143.401	4.4	100	0.00
26 TMP	1,2-Dichloroethane (EDC)	150.000	149.177	0.5	100	-0.01
27 TMP	1,1,1-Trichloroethane	150.000	146.820	2.1	100	0.00
28 TMP	1,1-Dichloropropene	150.000	145.857	2.8	100	0.00
29 TMP	Carbon tetrachloride	150.000	154.847	-3.2	100	0.00
30 S	1,2-Dichloroethane-d4	10.000	10.455	-4.6	100	0.00
31 TMP	Benzene	150.000	141.687	5.5	100	0.00
32 TMP	Trichloroethene	150.000	148.898	0.7	100	0.00
33 TMP	1,2-Dichloropropane	150.000	137.414	8.4	100	0.00
34 TMP	Bromodichloromethane	150.000	149.204	0.5	100	0.00
35 S	Toluene-d8	10.000	10.466	-4.7	100	0.00
36 TMP	Dibromomethane	150.000	145.214	3.2	100	-0.01
37 TMP	4-Methyl-2-pentanone	750.000	739.212	1.4	100	0.00
38 TMP	cis-1,3-Dichloropropene	150.000	154.396	-2.9	100	0.00
39 I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40 TMP	Toluene	150.000	146.150	2.6	100	0.00
41 TMP	trans-1,3-Dichloropropene	150.000	147.754	1.5	100	0.00
42 TMP	1,1,2-Trichloroethane	150.000	144.120	3.9	100	0.00
43 TMP	2-Hexanone	750.000	654.964	12.7	100	0.00

Data Path : D:\Proc_GCMS13\11-22-22\
 Data File : 112228.D
 Acq On : 22 Nov 2022 11:51 pm
 Operator : LM
 Sample : 150 ppb 8260 ICAL 68-4T
 Misc : soil/water
 ALS Vial : 22 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 29 16:03:31 2022
 Quant Method : D:\Methods\Inst13\VB112222ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed Nov 23 09:07:37 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	150.000	137.517	8.3	100	-0.01
45 TMP Tetrachloroethene	150.000	151.068	-0.7	100	0.00
46 TMP Dibromochloromethane	150.000	151.919	-1.3	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	150.000	140.100	6.6	100	0.00
48 TMP Chlorobenzene	150.000	147.986	1.3	100	0.00
49 TMP Ethylbenzene	150.000	139.009	7.3	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	150.000	150.547	-0.4	100	0.00
51 TMP m,p-Xylene	300.000	279.102	7.0	100	0.00
52 TMP o-Xylene	150.000	142.405	5.1	100	0.00
53 TMP Styrene	150.000	144.095	3.9	100	0.00
54 TMP Isopropylbenzene	150.000	144.709	3.5	100	0.00
55 TMP Bromoform	150.000	158.979	-6.0	100	0.00
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	10.000	9.595	4.0	100	0.00
58 TMP n-Propylbenzene	150.000	137.570	8.3	100	0.00
59 TMP Bromobenzene	150.000	146.679	2.2	100	0.00
60 TMP 1,3,5-Trimethylbenzene	150.000	139.161	7.2	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	150.000	140.538	6.3	100	0.00
62 TMP 1,2,3-Trichloropropane	150.000	133.118	11.3	100	0.00
63 TMP 2-Chlorotoluene	150.000	135.111	9.9	100	0.00
64 TMP 4-Chlorotoluene	150.000	137.262	8.5	100	0.00
65 TMP tert-Butylbenzene	150.000	145.506	3.0	100	0.00
66 TMP 1,2,4-Trimethylbenzene	150.000	144.202	3.9	100	0.00
67 TMP sec-Butylbenzene	150.000	145.836	2.8	100	0.00
68 TMP p-Isopropyltoluene	150.000	149.239	0.5	100	0.00
69 TMP 1,3-Dichlorobenzene	150.000	145.390	3.1	100	0.00
70 TMP 1,4-Dichlorobenzene	150.000	142.075	5.3	100	0.00
71 TMP 1,2-Dichlorobenzene	150.000	146.520	2.3	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	150.000	146.195	2.5	100	0.00
73 TMP 1,2,4-Trichlorobenzene	150.000	164.800	-9.9	100	0.00
74 TMP Hexachlorobutadiene	150.000	154.116	-2.7	100	0.00
75 TMP Naphthalene	150.000	166.923	-11.3	100	0.00
76 TMP 1,2,3-Trichlorobenzene	150.000	166.410	-10.9	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Data Path : D:\Proc_GCMS13\11-22-22\
 Data File : 112228.D
 Acq On : 22 Nov 2022 11:51 pm
 Operator : LM
 Sample : 150 ppb 8260 ICAL 68-4T
 Misc : soil/water
 ALS Vial : 22 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 29 16:03:31 2022
 Quant Method : D:\Methods\Inst13\VB112222ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed Nov 23 09:07:37 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	1.000	1.000	0.0	100	-0.01
2 TMP	Ethanol	0.000	0.000#	0.0	100	-0.02
3 S	Dibromofluoromethane	0.332	0.345	-3.9	100	0.00
4 TMP	Dichlorodifluoromethane	0.625	0.626	-0.2	100	0.00
5 TMP	Chloromethane	0.403	0.398	1.2	100	0.00
6 TMP	Vinyl chloride	0.394	0.409	-3.8	100	-0.02
7 TMP	Bromomethane	0.383	0.396	-3.4	100	-0.02
8 TMP	Chloroethane	0.223	0.211	5.4	100	-0.03
9 TMP	Trichlorofluoromethane	1.059	1.098	-3.7	104	0.00
10 TMP	2-Propanol	0.000	0.000	0.0	0#	-0.02
11 TMP	Acetone	0.025	0.023	8.0	100	0.00
12 TMP	1,1-Dichloroethene	0.252	0.249	1.2	100	0.00
13 TMP	Hexane	0.270	0.246	8.9	100	0.00
14 TMP	Methylene chloride	0.298	0.235	21.1#	100	0.00
15 TMP	t-Butyl alcohol (TBA)	0.026	0.025#	3.8	100	-0.02
16 TMP	Methyl t-butyl ether (MTBE)	0.672	0.640	4.8	100	0.00
17 TMP	trans-1,2-Dichloroethene	0.290	0.283	2.4	100	0.00
18 TMP	Diisopropyl ether (DIPE)	0.572	0.595	-4.0	100	0.00
19 TMP	1,1-Dichloroethane	0.394	0.367	6.9	100	-0.01
20 TMP	Ethyl t-butyl ether (ETBE)	0.305	0.305	0.0	100	-0.01
21 TMP	2,2-Dichloropropane	0.319	0.277	13.2	100	0.00
22 TMP	cis-1,2-Dichloroethene	0.324	0.311	4.0	100	0.00
23 TMP	Chloroform	0.487	0.476	2.3	100	0.00
24 TMP	2-Butanone (MEK)	0.120	0.111	7.5	100	-0.01
25 TMP	t-Amyl methyl ether (TAME)	0.614	0.587	4.4	100	0.00
26 TMP	1,2-Dichloroethane (EDC)	0.412	0.339	17.7	100	-0.01
27 TMP	1,1,1-Trichloroethane	0.520	0.509	2.1	100	0.00
28 TMP	1,1-Dichloropropene	0.338	0.328	3.0	100	0.00
29 TMP	Carbon tetrachloride	0.549	0.567	-3.3	100	0.00
30 S	1,2-Dichloroethane-d4	0.061	0.064	-4.9	100	0.00
31 TMP	Benzene	0.944	0.891	5.6	100	0.00
32 TMP	Trichloroethene	0.354	0.337	4.8	100	0.00
33 TMP	1,2-Dichloropropane	0.211	0.193	8.5	100	0.00
34 TMP	Bromodichloromethane	0.373	0.371	0.5	100	0.00
35 S	Toluene-d8	0.967	1.012	-4.7	100	0.00
36 TMP	Dibromomethane	0.203	0.196	3.4	100	-0.01
37 TMP	4-Methyl-2-pentanone	0.046	0.045	2.2	100	0.00
38 TMP	cis-1,3-Dichloropropene	0.377	0.388	-2.9	100	0.00
39 I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40 TMP	Toluene	0.750	0.680	9.3	100	0.00
41 TMP	trans-1,3-Dichloropropene	0.377	0.371	1.6	100	0.00
42 TMP	1,1,2-Trichloroethane	0.221	0.198	10.4	100	0.00
43 TMP	2-Hexanone	0.168	0.147	12.5	100	0.00

Data Path : D:\Proc_GCMS13\11-22-22\
 Data File : 112228.D
 Acq On : 22 Nov 2022 11:51 pm
 Operator : LM
 Sample : 150 ppb 8260 ICAL 68-4T
 Misc : soil/water
 ALS Vial : 22 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 29 16:03:31 2022
 Quant Method : D:\Methods\Inst13\VB112222ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed Nov 23 09:07:37 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.356	0.327	8.1	100	-0.01
45 TMP Tetrachloroethene	0.462	0.403	12.8	100	0.00
46 TMP Dibromochloromethane	0.463	0.469	-1.3	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	0.344	0.321	6.7	100	0.00
48 TMP Chlorobenzene	0.950	0.937	1.4	100	0.00
49 TMP Ethylbenzene	1.361	1.201	11.8	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.423	0.424	-0.2	100	0.00
51 TMP m,p-Xylene	0.593	0.523	11.8	100	0.00
52 TMP o-Xylene	0.590	0.531	10.0	100	0.00
53 TMP Styrene	0.860	0.827	3.8	100	0.00
54 TMP Isopropylbenzene	1.373	1.325	3.5	100	0.00
55 TMP Bromoform	0.326	0.346	-6.1	100	0.00
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	0.635	0.609	4.1	100	0.00
58 TMP n-Propylbenzene	2.319	2.127	8.3	100	0.00
59 TMP Bromobenzene	0.844	0.825	2.3	100	0.00
60 TMP 1,3,5-Trimethylbenzene	1.903	1.766	7.2	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.473	0.421#	11.0	100	0.00
62 TMP 1,2,3-Trichloropropane	0.370	0.329#	11.1	100	0.00
63 TMP 2-Chlorotoluene	1.374	1.237	10.0	100	0.00
64 TMP 4-Chlorotoluene	1.629	1.490	8.5	100	0.00
65 TMP tert-Butylbenzene	1.942	1.884	3.0	100	0.00
66 TMP 1,2,4-Trimethylbenzene	1.964	1.889	3.8	100	0.00
67 TMP sec-Butylbenzene	2.462	2.393	2.8	100	0.00
68 TMP p-Isopropyltoluene	2.410	2.398	0.5	100	0.00
69 TMP 1,3-Dichlorobenzene	1.491	1.445	3.1	100	0.00
70 TMP 1,4-Dichlorobenzene	1.486	1.407	5.3	100	0.00
71 TMP 1,2-Dichlorobenzene	1.416	1.383	2.3	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	0.097	0.095	2.1	100	0.00
73 TMP 1,2,4-Trichlorobenzene	0.944	1.037	-9.9	100	0.00
74 TMP Hexachlorobutadiene	0.565	0.580	-2.7	100	0.00
75 TMP Naphthalene	1.846	2.054	-11.3	100	0.00
76 TMP 1,2,3-Trichlorobenzene	0.804	0.892	-10.9	100	0.00

(#) = Out of Range SPCC's out = 4 CCC's out = 0

Data Path : D:\Proc_GCMS13\11-22-22\
 Data File : 112228.D
 Acq On : 22 Nov 2022 11:51 pm
 Operator : LM
 Sample : 150 ppb 8260 ICAL 68-4T
 Misc : soil/water
 ALS Vial : 22 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 29 16:03:31 2022
 Quant Method : D:\Methods\Inst13\VB112222ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed Nov 23 09:07:37 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	4.73	96	84220	10.000	ppb	-0.01
39) Chlorobenzene-d5	7.41	117	83566	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	51630	10.000	ppb	# 0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.18	113	29025	10.392	ppb	0.00
Spiked Amount	10.000	Range	50 - 150	Recovery	=	103.90%
30) 1,2-Dichloroethane-d4	4.45	102	5414	10.455	ppb	0.00
Spiked Amount	10.000	Range	84 - 120	Recovery	=	104.50%
35) Toluene-d8	6.11	98	85226	10.466	ppb	0.00
Spiked Amount	10.000	Range	73 - 128	Recovery	=	104.70%
57) 4-Bromofluorobenzene	8.51	95	31468	9.595	ppb	0.00
Spiked Amount	10.000	Range	57 - 146	Recovery	=	96.00%
Target Compounds						
2) Ethanol	2.32	45	2754	No Calib		Qvalue
4) Dichlorodifluoromethane	1.11	85	791108	150.368	ppb	99
5) Chloromethane	1.25	50	502457	147.964	ppb	97
6] Vinyl chloride	1.33	62	517171	155.868	ppb	98
7) Bromomethane	1.58	94	500757	155.285	ppb	97
8] Chloroethane	1.64	64	266684	141.871	ppb	98
9) Trichlorofluoromethane	1.86	101	1387333m	155.583	ppb	
10) 2-Propanol	2.32	45	2754	No Calib		
11) Acetone	2.32	58	146318	733.669	ppb	98
12] 1,1-Dichloroethene	2.26	96	314088	148.211	ppb	97
13) Hexane	3.16	57	311050	136.846	ppb	95
14) Methylene chloride	2.68	84	296388	149.118	ppb	94
15) t-Butyl alcohol (TBA)	2.81	59	159984	725.059	ppb	99
16] Methyl t-butyl ether (...)	2.92	73	808734	142.995	ppb	98
17] trans-1,2-Dichloroethene	2.91	96	357230	146.084	ppb	96
18) Diisopropyl ether (DIPE)	3.34	45	751256	155.818	ppb	98
19] 1,1-Dichloroethane	3.27	63	463606	139.634	ppb	99
20) Ethyl t-butyl ether (E...)	3.65	87	384735	149.547	ppb	97
21) 2,2-Dichloropropane	3.76	77	350563	151.087	ppb	95
22] cis-1,2-Dichloroethene	3.77	96	393287	144.165	ppb	83
23) Chloroform	4.04	83	601115	146.477	ppb	99
24) 2-Butanone (MEK)	3.78	43	699202	731.146	ppb	100
25) t-Amyl methyl ether (T...)	4.61	73	741107	143.401	ppb	99
26] 1,2-Dichloroethane (EDC)	4.52	62	427851	149.177	ppb	97
27] 1,1,1-Trichloroethane	4.19	97	642902	146.820	ppb	92
28) 1,1-Dichloropropene	4.33	75	414624	145.857	ppb	94
29) Carbon tetrachloride	4.33	117	716270	154.847	ppb	99
31] Benzene	4.50	78	1126116	141.687	ppb	95
32] Trichloroethene	5.05	95	425975	148.898	ppb	# 81
33) 1,2-Dichloropropane	5.24	63	243856	137.414	ppb	99
34) Bromodichloromethane	5.48	83	469030	149.204	ppb	96
36) Dibromomethane	5.34	93	247715	145.214	ppb	86

Data Path : D:\Proc_GCMS13\11-22-22\
 Data File : 112228.D
 Acq On : 22 Nov 2022 11:51 pm
 Operator : LM
 Sample : 150 ppb 8260 ICAL 68-4T
 Misc : soil/water
 ALS Vial : 22 Sample Multiplier: 1
 InstName : GCMS13

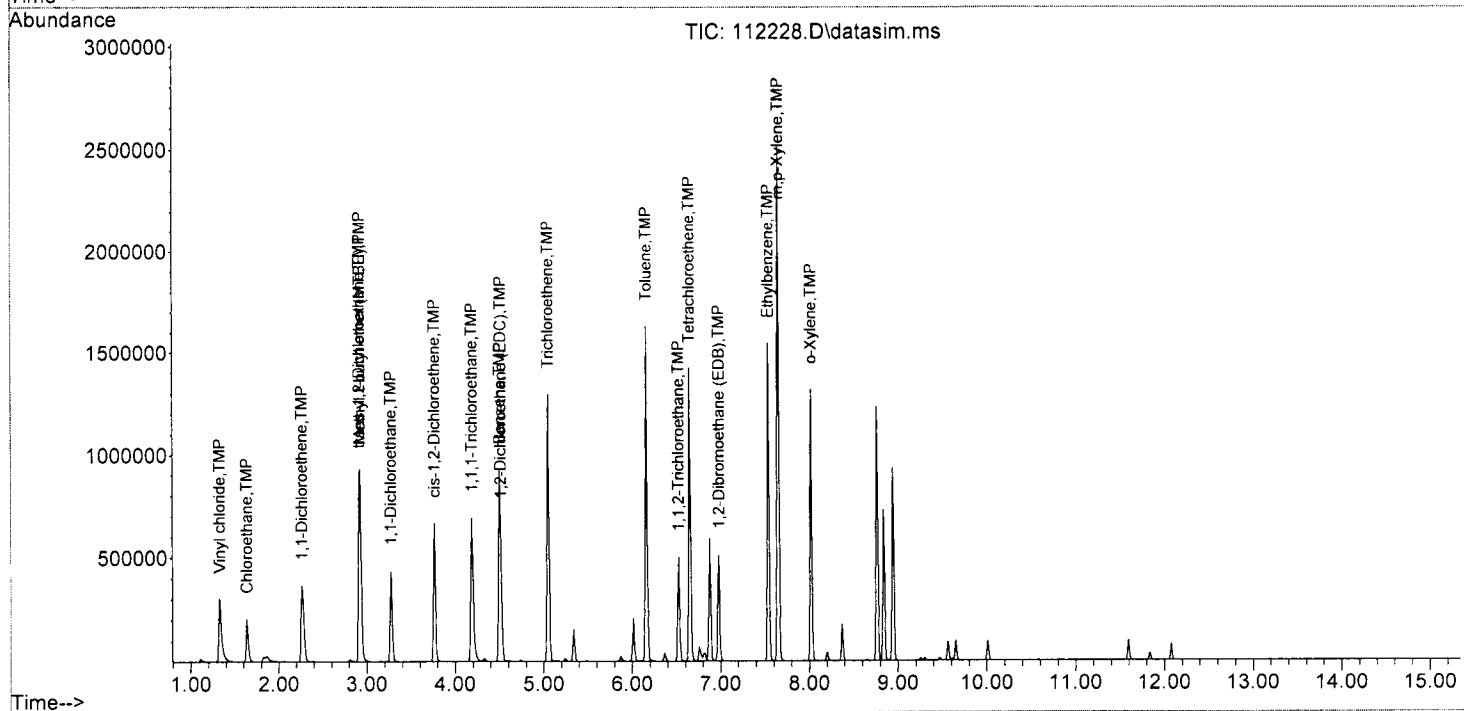
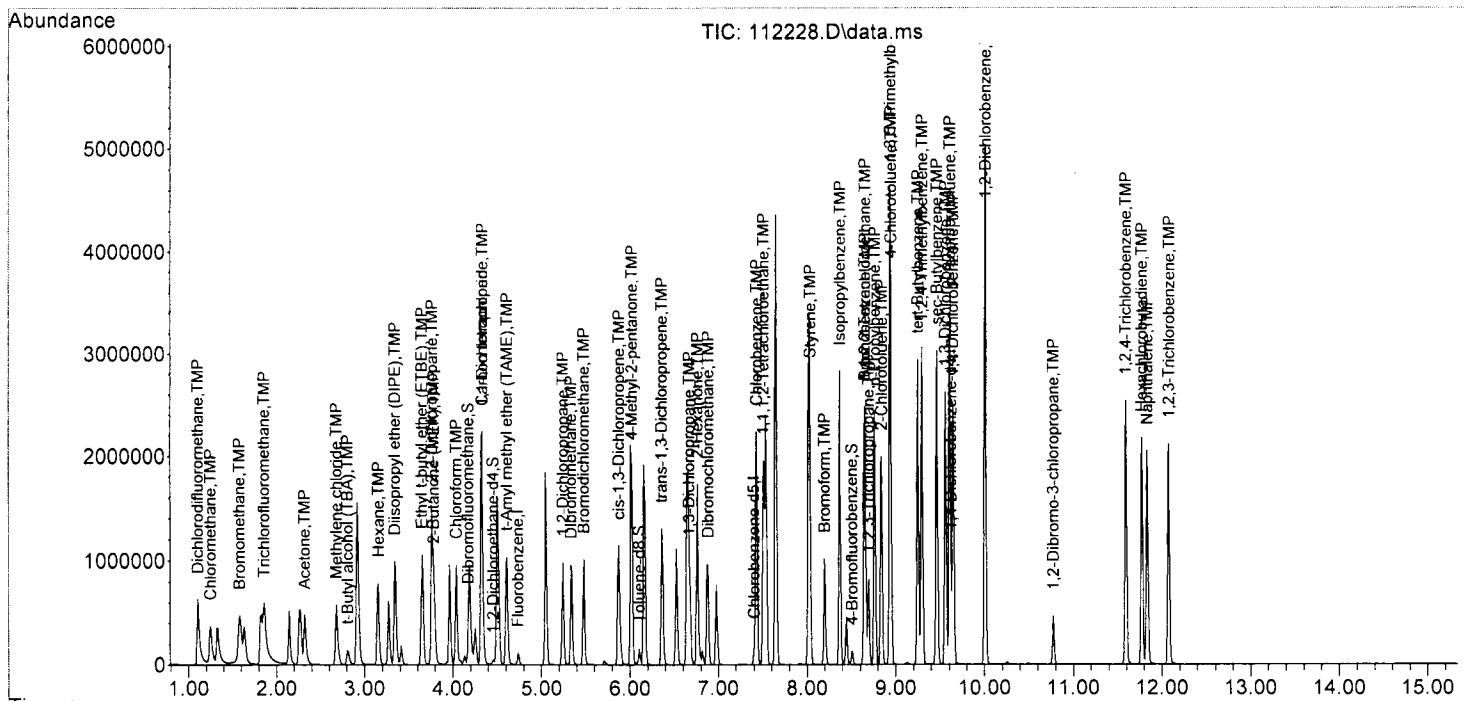
Quant Time: Nov 29 16:03:31 2022
 Quant Method : D:\Methods\Inst13\VB112222ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed Nov 23 09:07:37 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	6.02	85	285483	739.212	ppb	87
38) cis-1,3-Dichloropropene	5.88	75	489879	154.396	ppb	97
40] Toluene	6.16	92	852497	146.150	ppb	95
41) trans-1,3-Dichloropropene	6.36	75	465438	147.754	ppb	96
42] 1,1,2-Trichloroethane	6.53	83	248472	144.120	ppb	93
43) 2-Hexanone	6.76	43	921718	654.964	ppb	98
44) 1,3-Dichloropropane	6.67	76	409368	137.517	ppb	98
45] Tetrachloroethene	6.65	164	505170	151.068	ppb	97
46) Dibromochloromethane	6.89	129	587535	151.919	ppb	97
47] 1,2-Dibromoethane (EDB)	6.98	107	402568	140.100	ppb	98
48) Chlorobenzene	7.43	112	1174351	147.986	ppb	98
49] Ethylbenzene	7.54	91	1506037	139.009	ppb	96
50) 1,1,1,2-Tetrachloroethane	7.51	131	532068	150.547	ppb	99
51] m,p-Xylene	7.65	106	1310234	279.102	ppb	96
52] o-Xylene	8.02	106	665593	142.405	ppb	95
53) Styrene	8.03	104	1036020	144.095	ppb	97
54) Isopropylbenzene	8.37	105	1660329	144.709	ppb	99
55) Bromoform	8.20	173	433635	158.979	ppb	98
58) n-Propylbenzene	8.77	91	1647385	137.570	ppb	97
59) Bromobenzene	8.65	156	638926	146.679	ppb	89
60) 1,3,5-Trimethylbenzene	8.94	105	1367513	139.161	ppb	98
61) 1,1,2,2-Tetrachloroethane	8.65	83	326380	140.538	ppb	98
62) 1,2,3-Trichloropropane	8.70	75	254444	133.118	ppb	97
63) 2-Chlorotoluene	8.84	91	958306	135.111	ppb	92
64) 4-Chlorotoluene	8.95	91	1154134	137.262	ppb	99
65) tert-Butylbenzene	9.25	119	1459199	145.506	ppb	98
66) 1,2,4-Trimethylbenzene	9.30	105	1462569	144.202	ppb	98
67) sec-Butylbenzene	9.46	105	1853465	145.836	ppb	99
68) p-Isopropyltoluene	9.61	119	1857040	149.239	ppb	98
69) 1,3-Dichlorobenzene	9.56	146	1119205	145.390	ppb	99
70) 1,4-Dichlorobenzene	9.64	146	1089877	142.075	ppb	100
71) 1,2-Dichlorobenzene	10.01	146	1071031	146.520	ppb	99
72) 1,2-Dibromo-3-chloropr...	10.77	75	73547	146.195	ppb	81
73) 1,2,4-Trichlorobenzene	11.59	180	803275	164.800	ppb	97
74) Hexachlorobutadiene	11.77	225	449265	154.116	ppb	97
75) Naphthalene	11.83	128	1590521	166.923	ppb	99
76) 1,2,3-Trichlorobenzene	12.08	180	690691	166.410	ppb	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS13\11-22-22\
 Data File : 112228.D
 Acq On : 22 Nov 2022 11:51 pm
 Operator : LM
 Sample : 150 ppb 8260 ICAL 68-4T
 Misc : soil/water
 ALS Vial : 22 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 29 16:03:31 2022
 Quant Method : D:\Methods\Inst13\VB112222ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed Nov 23 09:07:37 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



Data Path : D:\Proc_GCMS13\11-22-22\
 Data File : 112229.D
 Acq On : 23 Nov 2022 12:14 am
 Operator : LM
 Sample : 200 ppb 8260 ICAL 68-4U
 Misc : soil/water
 ALS Vial : 23 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 29 16:03:33 2022
 Quant Method : D:\Methods\Inst13\VB112222ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed Nov 23 09:07:37 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2 TMP	Ethanol	-1.000	0.000	0.0	100	-0.01
3 S	Dibromofluoromethane	10.000	10.623	-6.2	100	0.00
4 TMP	Dichlorodifluoromethane	200.000	202.223	-1.1	100	0.00
5 TMP	Chloromethane	200.000	196.892	1.6	100	0.00
6 TMP	Vinyl chloride	200.000	207.743	-3.9	100	-0.01
7 TMP	Bromomethane	200.000	207.855	-3.9	100	-0.01
8 TMP	Chloroethane	200.000	189.629	5.2	100	-0.02
9 TMP	Trichlorofluoromethane	200.000	207.553	-3.8	100	0.00
10 TMP	2-Propanol	-1.000	0.000	0.0	0	0.00
11 TMP	Acetone	1000.000	1006.516	-0.7	100	0.00
12 TMP	1,1-Dichloroethene	200.000	196.942	1.5	100	0.00
13 TMP	Hexane	200.000	181.684	9.2	100	0.00
14 TMP	Methylene chloride	200.000	201.335	-0.7	100	0.00
15 TMP	t-Butyl alcohol (TBA)	1000.000	929.492	7.1	100	-0.01
16 TMP	Methyl t-butyl ether (MTBE)	200.000	188.453	5.8	100	0.00
17 TMP	trans-1,2-Dichloroethene	200.000	193.024	3.5	100	0.00
18 TMP	Diisopropyl ether (DIPE)	200.000	186.840	6.6	100	0.00
19 TMP	1,1-Dichloroethane	200.000	182.931	8.5	100	0.00
20 TMP	Ethyl t-butyl ether (ETBE)	200.000	201.519	-0.8	100	0.00
21 TMP	2,2-Dichloropropane	200.000	197.289	1.4	100	0.00
22 TMP	cis-1,2-Dichloroethene	200.000	189.171	5.4	100	0.00
23 TMP	Chloroform	200.000	194.383	2.8	100	0.00
24 TMP	2-Butanone (MEK)	1000.000	1013.744	-1.4	100	0.00
25 TMP	t-Amyl methyl ether (TAME)	200.000	192.171	3.9	100	0.00
26 TMP	1,2-Dichloroethane (EDC)	200.000	201.152	-0.6	100	0.00
27 TMP	1,1,1-Trichloroethane	200.000	194.272	2.9	100	0.00
28 TMP	1,1-Dichloropropene	200.000	192.968	3.5	100	0.00
29 TMP	Carbon tetrachloride	200.000	207.715	-3.9	100	0.00
30 S	1,2-Dichloroethane-d4	10.000	10.853	-8.5	100	0.00
31 TMP	Benzene	200.000	185.357	7.3	100	0.00
32 TMP	Trichloroethene	200.000	196.042	2.0	100	0.00
33 TMP	1,2-Dichloropropane	200.000	182.887	8.6	100	0.00
34 TMP	Bromodichloromethane	200.000	197.795	1.1	100	0.00
35 S	Toluene-d8	10.000	10.540	-5.4	100	0.00
36 TMP	Dibromomethane	200.000	192.048	4.0	100	0.00
37 TMP	4-Methyl-2-pentanone	1000.000	989.040	1.1	100	0.00
38 TMP	cis-1,3-Dichloropropene	200.000	203.533	-1.8	100	0.00
39 I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40 TMP	Toluene	200.000	191.362	4.3	100	0.00
41 TMP	trans-1,3-Dichloropropene	200.000	192.855	3.6	100	0.00
42 TMP	1,1,2-Trichloroethane	200.000	187.327	6.3	100	0.00
43 TMP	2-Hexanone	1000.000	851.388	14.9	100	0.00

Data Path : D:\Proc_GCMS13\11-22-22\
 Data File : 112229.D
 Acq On : 23 Nov 2022 12:14 am
 Operator : LM
 Sample : 200 ppb 8260 ICAL 68-4U
 Misc : soil/water
 ALS Vial : 23 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 29 16:03:33 2022
 Quant Method : D:\Methods\Inst13\VB112222ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed Nov 23 09:07:37 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP 1,3-Dichloropropane	200.000	178.098	11.0	100	0.00
45	TMP Tetrachloroethene	200.000	199.793	0.1	100	0.00
46	TMP Dibromochloromethane	200.000	198.162	0.9	100	0.00
47	TMP 1,2-Dibromoethane (EDB)	200.000	182.131	8.9	100	0.00
48	TMP Chlorobenzene	200.000	193.568	3.2	100	0.00
49	TMP Ethylbenzene	200.000	178.307	10.8	100	0.00
50	TMP 1,1,1,2-Tetrachloroethane	200.000	197.547	1.2	100	0.00
51	TMP m,p-Xylene	400.000	362.571	9.4	100	0.00
52	TMP o-Xylene	200.000	184.616	7.7	100	0.00
53	TMP Styrene	200.000	188.515	5.7	100	0.00
54	TMP Isopropylbenzene	200.000	187.947	6.0	100	0.00
55	TMP Bromoform	200.000	208.539	-4.3	100	0.00
56	I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S 4-Bromofluorobenzene	10.000	9.486	5.1	100	0.00
58	TMP n-Propylbenzene	200.000	178.165	10.9	100	0.00
59	TMP Bromobenzene	200.000	191.939	4.0	100	0.00
60	TMP 1,3,5-Trimethylbenzene	200.000	180.774	9.6	100	0.00
61	TMP 1,1,2,2-Tetrachloroethane	200.000	180.608	9.7	100	0.00
62	TMP 1,2,3-Trichloropropane	200.000	173.804	13.1	100	0.00
63	TMP 2-Chlorotoluene	200.000	174.199	12.9	100	0.00
64	TMP 4-Chlorotoluene	200.000	177.095	11.5	100	0.00
65	TMP tert-Butylbenzene	200.000	188.688	5.7	100	0.00
66	TMP 1,2,4-Trimethylbenzene	200.000	188.755	5.6	100	0.00
67	TMP sec-Butylbenzene	200.000	189.449	5.3	100	0.00
68	TMP p-Isopropyltoluene	200.000	193.971	3.0	100	0.00
69	TMP 1,3-Dichlorobenzene	200.000	188.380	5.8	100	0.00
70	TMP 1,4-Dichlorobenzene	200.000	185.853	7.1	100	0.00
71	TMP 1,2-Dichlorobenzene	200.000	191.809	4.1	100	0.00
72	TMP 1,2-Dibromo-3-chloropropane	200.000	190.585	4.7	100	0.00
73	TMP 1,2,4-Trichlorobenzene	200.000	216.061	-8.0	100	0.00
74	TMP Hexachlorobutadiene	200.000	196.841	1.6	100	0.00
75	TMP Naphthalene	200.000	221.564	-10.8	100	0.00
76	TMP 1,2,3-Trichlorobenzene	200.000	220.528	-10.3	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Data Path : D:\Proc_GCMS13\11-22-22\
 Data File : 112229.D
 Acq On : 23 Nov 2022 12:14 am
 Operator : LM
 Sample : 200 ppb 8260 ICAL 68-4U
 Misc : soil/water
 ALS Vial : 23 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 29 16:03:33 2022
 Quant Method : D:\Methods\Inst13\VB112222ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed Nov 23 09:07:37 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2 TMP	Ethanol	0.000	0.000#	0.0	100	-0.01
3 S	Dibromofluoromethane	0.332	0.352	-6.0	100	0.00
4 TMP	Dichlorodifluoromethane	0.625	0.632	-1.1	100	0.00
5 TMP	Chloromethane	0.403	0.397	1.5	100	0.00
6 TMP	Vinyl chloride	0.394	0.409	-3.8	100	-0.01
7 TMP	Bromomethane	0.383	0.398	-3.9	100	-0.01
8 TMP	Chloroethane	0.223	0.212	4.9	100	-0.02
9 TMP	Trichlorofluoromethane	1.059	1.099	-3.8	100	0.00
10 TMP	2-Propanol	0.000	0.000	0.0	0#	0.00
11 TMP	Acetone	0.025	0.023	8.0	100	0.00
12 TMP	1,1-Dichloroethene	0.252	0.248	1.6	100	0.00
13 TMP	Hexane	0.270	0.245	9.3	100	0.00
14 TMP	Methylene chloride	0.298	0.234	21.5#	100	0.00
15 TMP	t-Butyl alcohol (TBA)	0.026	0.024#	7.7	100	-0.01
16 TMP	Methyl t-butyl ether (MTBE)	0.672	0.633	5.8	100	0.00
17 TMP	trans-1,2-Dichloroethene	0.290	0.280	3.4	100	0.00
18 TMP	Diisopropyl ether (DIPE)	0.572	0.535	6.5	100	0.00
19 TMP	1,1-Dichloroethane	0.394	0.361	8.4	100	0.00
20 TMP	Ethyl t-butyl ether (ETBE)	0.305	0.308	-1.0	100	0.00
21 TMP	2,2-Dichloropropane	0.319	0.260	18.5	100	0.00
22 TMP	cis-1,2-Dichloroethene	0.324	0.306	5.6	100	0.00
23 TMP	Chloroform	0.487	0.474	2.7	100	0.00
24 TMP	2-Butanone (MEK)	0.120	0.112	6.7	100	0.00
25 TMP	t-Amyl methyl ether (TAME)	0.614	0.590	3.9	100	0.00
26 TMP	1,2-Dichloroethane (EDC)	0.412	0.329	20.1#	100	0.00
27 TMP	1,1,1-Trichloroethane	0.520	0.505	2.9	100	0.00
28 TMP	1,1-Dichloropropene	0.338	0.326	3.6	100	0.00
29 TMP	Carbon tetrachloride	0.549	0.570	-3.8	100	0.00
30 S	1,2-Dichloroethane-d4	0.061	0.067	-9.8	100	0.00
31 TMP	Benzene	0.944	0.875	7.3	100	0.00
32 TMP	Trichloroethene	0.354	0.333	5.9	100	0.00
33 TMP	1,2-Dichloropropane	0.211	0.193	8.5	100	0.00
34 TMP	Bromodichloromethane	0.373	0.369	1.1	100	0.00
35 S	Toluene-d8	0.967	1.019	-5.4	100	0.00
36 TMP	Dibromomethane	0.203	0.194	4.4	100	0.00
37 TMP	4-Methyl-2-pentanone	0.046	0.045	2.2	100	0.00
38 TMP	cis-1,3-Dichloropropene	0.377	0.383	-1.6	100	0.00
39 I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40 TMP	Toluene	0.750	0.668	10.9	100	0.00
41 TMP	trans-1,3-Dichloropropene	0.377	0.363	3.7	100	0.00
42 TMP	1,1,2-Trichloroethane	0.221	0.193	12.7	100	0.00
43 TMP	2-Hexanone	0.168	0.143	14.9	100	0.00

Data Path : D:\Proc_GCMS13\11-22-22\
 Data File : 112229.D
 Acq On : 23 Nov 2022 12:14 am
 Operator : LM
 Sample : 200 ppb 8260 ICAL 68-4U
 Misc : soil/water
 ALS Vial : 23 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 29 16:03:33 2022
 Quant Method : D:\Methods\Inst13\VB112222ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed Nov 23 09:07:37 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.356	0.317	11.0	100	0.00
45 TMP Tetrachloroethene	0.462	0.395	14.5	100	0.00
46 TMP Dibromochloromethane	0.463	0.459	0.9	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	0.344	0.313	9.0	100	0.00
48 TMP Chlorobenzene	0.950	0.919	3.3	100	0.00
49 TMP Ethylbenzene	1.361	1.156	15.1	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.423	0.418	1.2	100	0.00
51 TMP m,p-Xylene	0.593	0.509	14.2	100	0.00
52 TMP o-Xylene	0.590	0.516	12.5	100	0.00
53 TMP Styrene	0.860	0.811	5.7	100	0.00
54 TMP Isopropylbenzene	1.373	1.290	6.0	100	0.00
55 TMP Bromoform	0.326	0.340	-4.3	100	0.00
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	0.635	0.603	5.0	100	0.00
58 TMP n-Propylbenzene	2.319	2.066	10.9	100	0.00
59 TMP Bromobenzene	0.844	0.810	4.0	100	0.00
60 TMP 1,3,5-Trimethylbenzene	1.903	1.720	9.6	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.473	0.406#	14.2	100	0.00
62 TMP 1,2,3-Trichloropropane	0.370	0.322#	13.0	100	0.00
63 TMP 2-Chlorotoluene	1.374	1.197	12.9	100	0.00
64 TMP 4-Chlorotoluene	1.629	1.442	11.5	100	0.00
65 TMP tert-Butylbenzene	1.942	1.833	5.6	100	0.00
66 TMP 1,2,4-Trimethylbenzene	1.964	1.854	5.6	100	0.00
67 TMP sec-Butylbenzene	2.462	2.332	5.3	100	0.00
68 TMP p-Isopropyltoluene	2.410	2.337	3.0	100	0.00
69 TMP 1,3-Dichlorobenzene	1.491	1.404	5.8	100	0.00
70 TMP 1,4-Dichlorobenzene	1.486	1.381	7.1	100	0.00
71 TMP 1,2-Dichlorobenzene	1.416	1.358	4.1	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	0.097	0.093	4.1	100	0.00
73 TMP 1,2,4-Trichlorobenzene	0.944	1.020	-8.1	100	0.00
74 TMP Hexachlorobutadiene	0.565	0.556	1.6	100	0.00
75 TMP Naphthalene	1.846	2.045	-10.8	100	0.00
76 TMP 1,2,3-Trichlorobenzene	0.804	0.886	-10.2	100	0.00

(#) = Out of Range

SPCC's out = 4 CCC's out = 0

Data Path : D:\Proc_GCMS13\11-22-22\
 Data File : 112229.D
 Acq On : 23 Nov 2022 12:14 am
 Operator : LM
 Sample : 200 ppb 8260 ICAL 68-4U
 Misc : soil/water
 ALS Vial : 23 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 29 16:03:33 2022
 Quant Method : D:\Methods\Inst13\VB112222ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed Nov 23 09:07:37 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	4.75	96	82676	10.000	ppb	0.00
39) Chlorobenzene-d5	7.40	117	83218	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	51380	10.000	ppb	# 0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.17	113	29128	10.623	ppb	0.00
Spiked Amount	10.000	Range	50 - 150	Recovery	=	106.20%
30) 1,2-Dichloroethane-d4	4.45	102	5517	10.853	ppb	0.00
Spiked Amount	10.000	Range	84 - 120	Recovery	=	108.50%
35) Toluene-d8	6.11	98	84255	10.540	ppb	0.00
Spiked Amount	10.000	Range	73 - 128	Recovery	=	105.40%
57) 4-Bromofluorobenzene	8.51	95	30958	9.486	ppb	0.00
Spiked Amount	10.000	Range	57 - 146	Recovery	=	94.90%
Target Compounds						
						Qvalue
2) Ethanol	2.33	45	3588	No Calib		
4) Dichlorodifluoromethane	1.12	85	1044417	202.223	ppb	99
5) Chloromethane	1.26	50	656350	196.892	ppb	95
6] Vinyl chloride	1.34	62	676659	207.743	ppb	97
7) Bromomethane	1.59	94	657994	207.855	ppb	96
8] Chloroethane	1.65	64	349924	189.629	ppb	96
9) Trichlorofluoromethane	1.87	101	1816821	207.553	ppb	90
10) 2-Propanol	2.33	45	3588	No Calib		
11) Acetone	2.33	58	189466	1006.516	ppb	97
12] 1,1-Dichloroethene	2.27	96	409707	196.942	ppb	99
13) Hexane	3.16	57	405396	181.684	ppb	98
14) Methylene chloride	2.69	84	387549	201.335	ppb	94
15) t-Butyl alcohol (TBA)	2.82	59	201332	929.492	ppb	97
16] Methyl t-butyl ether (...)	2.93	73	1046292	188.453	ppb	97
17] trans-1,2-Dichloroethene	2.92	96	463360	193.024	ppb	92
18) Diisopropyl ether (DIPE)	3.35	45	884313	186.840	ppb	97
19] 1,1-Dichloroethane	3.28	63	596224	182.931	ppb	97
20) Ethyl t-butyl ether (E...)	3.66	87	508935	201.519	ppb	93
21) 2,2-Dichloropropane	3.77	77	430105	197.289	ppb	94
22] cis-1,2-Dichloroethene	3.77	96	506602	189.171	ppb	92
23) Chloroform	4.04	83	783090	194.383	ppb	100
24) 2-Butanone (MEK)	3.79	43	928408	1013.744	ppb	98
25) t-Amyl methyl ether (T...)	4.61	73	974944	192.171	ppb	99
26] 1,2-Dichloroethane (EDC)	4.53	62	543895	201.152	ppb	97
27] 1,1,1-Trichloroethane	4.19	97	835091	194.272	ppb	98
28) 1,1-Dichloropropene	4.33	75	538486	192.968	ppb	96
29) Carbon tetrachloride	4.33	117	943204	207.715	ppb	99
31] Benzene	4.50	78	1446195	185.357	ppb	98
32] Trichloroethene	5.05	95	550560	196.042	ppb	94
33) 1,2-Dichloropropane	5.24	63	318602	182.887	ppb	98
34) Bromodichloromethane	5.48	83	610380	197.795	ppb	96
36) Dibromomethane	5.35	93	321601	192.048	ppb	98

Data Path : D:\Proc_GCMS13\11-22-22\
 Data File : 112229.D
 Acq On : 23 Nov 2022 12:14 am
 Operator : LM
 Sample : 200 ppb 8260 ICAL 68-4U
 Misc : soil/water
 ALS Vial : 23 Sample Multiplier: 1
 InstName : GCMS13

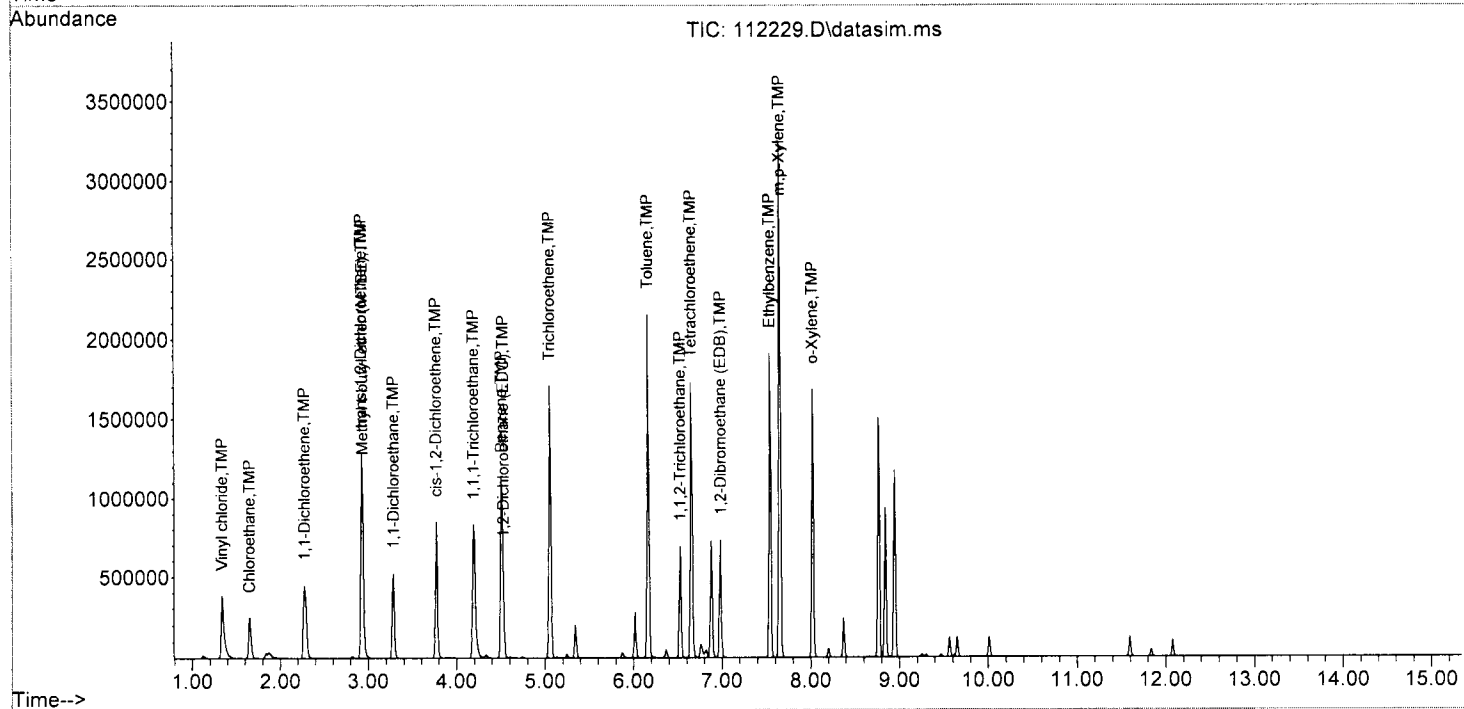
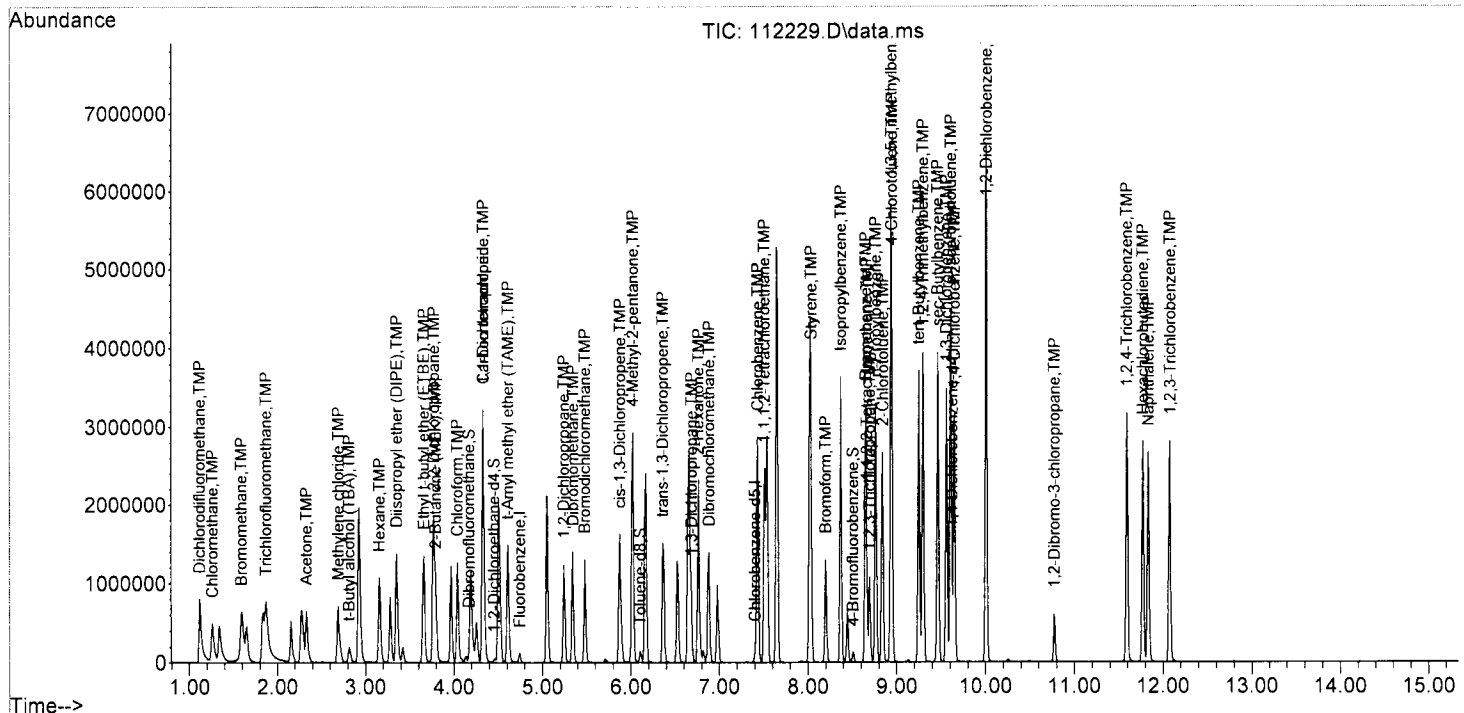
Quant Time: Nov 29 16:03:33 2022
 Quant Method : D:\Methods\Inst13\VB112222ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed Nov 23 09:07:37 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	6.02	85	374964	989.040	ppb	86
38) cis-1,3-Dichloropropene	5.88	75	633943	203.533	ppb	98
40] Toluene	6.16	92	1111550	191.362	ppb	95
41) trans-1,3-Dichloropropene	6.36	75	604981	192.855	ppb	97
42] 1,1,2-Trichloroethane	6.53	83	321613	187.327	ppb	98
43) 2-Hexanone	6.76	43	1193153	851.388	ppb	98
44) 1,3-Dichloropropane	6.68	76	527964	178.098	ppb	98
45] Tetrachloroethene	6.65	164	656835	199.793	ppb	99
46) Dibromochloromethane	6.88	129	763186	198.162	ppb	98
47] 1,2-Dibromoethane (EDB)	6.98	107	521160	182.131	ppb	99
48) Chlorobenzene	7.43	112	1529675	193.568	ppb	99
49] Ethylbenzene	7.54	91	1923738	178.307	ppb	97
50) 1,1,1,2-Tetrachloroethane	7.51	131	695270	197.547	ppb	99
51] m,p-Xylene	7.65	106	1694962	362.571	ppb	98
52] o-Xylene	8.02	106	859282	184.616	ppb	97
53) Styrene	8.03	104	1349745	188.515	ppb	97
54) Isopropylbenzene	8.37	105	2147449	187.947	ppb	99
55) Bromoform	8.20	173	566449	208.539	ppb	99
58) n-Propylbenzene	8.77	91	2123173	178.165	ppb	97
59) Bromobenzene	8.65	156	832027	191.939	ppb	90
60) 1,3,5-Trimethylbenzene	8.94	105	1767834	180.774	ppb	98
61) 1,1,2,2-Tetrachloroethane	8.66	83	417363	180.608	ppb	97
62) 1,2,3-Trichloropropane	8.70	75	330603	173.804	ppb	97
63) 2-Chlorotoluene	8.84	91	1229564	174.199	ppb	92
64) 4-Chlorotoluene	8.95	91	1481855	177.095	ppb	99
65) tert-Butylbenzene	9.25	119	1883085	188.688	ppb	97
66) 1,2,4-Trimethylbenzene	9.30	105	1905170	188.755	ppb	97
67) sec-Butylbenzene	9.46	105	2396087	189.449	ppb	99
68) p-Isopropyltoluene	9.61	119	2401974	193.971	ppb	99
69) 1,3-Dichlorobenzene	9.56	146	1443113	188.380	ppb	99
70) 1,4-Dichlorobenzene	9.65	146	1418804	185.853	ppb	99
71) 1,2-Dichlorobenzene	10.01	146	1395292	191.809	ppb	100
72) 1,2-Dibromo-3-chloropr...	10.77	75	95414	190.585	ppb	81
73) 1,2,4-Trichlorobenzene	11.59	180	1048035	216.061	ppb	97
74) Hexachlorobutadiene	11.77	225	571034	196.841	ppb	98
75) Naphthalene	11.83	128	2100946	221.564	ppb	99
76) 1,2,3-Trichlorobenzene	12.08	180	910879	220.528	ppb	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS13\11-22-22\
 Data File : 112229.D
 Acq On : 23 Nov 2022 12:14 am
 Operator : LM
 Sample : 200 ppb 8260 ICAL 68-4U
 Misc : soil/water
 ALS Vial : 23 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 29 16:03:33 2022
 Quant Method : D:\Methods\Inst13\VB112222ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed Nov 23 09:07:37 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-22-22\
 Data File : 112231.D
 Acq On : 23 Nov 2022 01:00 am
 Operator : LM
 Sample : 10 ppb 8260 SCV 68-7
 Misc : soil/water
 ALS Vial : 25 Sample Multiplier: 1
 InstName : GCMS13

Acetone ca.
 RR 11/23, JLM

Quant Time: Nov 29 16:50:01 2022
 Quant Method : D:\Methods\Inst13\VB112222ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed Nov 23 09:07:37 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	10.000	10.000	0.0	111	-0.01
2 TMP	Ethanol	-1.000	0.000	0.0	26	0.00
3 S	Dibromofluoromethane	10.000	9.457	5.4	99	0.00
4 TMP	Dichlorodifluoromethane	10.000	7.307	26.9#	82	0.00
5 TMP	Chloromethane	10.000	7.796	22.0#	85	0.00
6 TMP	Vinyl chloride	10.000	9.325	6.8	97	-0.02
7 TMP	Bromomethane	10.000	10.828	-8.3	122	-0.01
8 TMP	Chloroethane	10.000	8.917	10.8	100	-0.02
9 TMP	Trichlorofluoromethane	10.000	9.091	9.1	101	0.00
10 TMP	2-Propanol	-1.000	0.000	0.0	0	0.00
11 TMP	Acetone	50.000	30.000	40.0#	65	0.00
12 TMP	1,1-Dichloroethene	10.000	9.670	3.3	107	0.00
13 TMP	Hexane	10.000	8.302	17.0	92	0.00
14 TMP	Methylene chloride	10.000	8.721	12.8	98	0.00
15 TMP	t-Butyl alcohol (TBA)	50.000	48.344	3.3	97	-0.02
16 TMP	Methyl t-butyl ether (MTBE)	10.000	9.469	5.3	99	0.00
17 TMP	trans-1,2-Dichloroethene	10.000	9.359	6.4	100	0.00
18 TMP	Diisopropyl ether (DIPE)	10.000	9.193	8.1	98	0.00
19 TMP	1,1-Dichloroethane	10.000	8.949	10.5	96	-0.01
20 TMP	Ethyl t-butyl ether (ETBE)	10.000	9.431	5.7	102	-0.01
21 TMP	2,2-Dichloropropane	10.000	7.830	21.7#	98	0.00
22 TMP	cis-1,2-Dichloroethene	10.000	9.101	9.0	100	0.00
23 TMP	Chloroform	10.000	8.922	10.8	95	0.00
24 TMP	2-Butanone (MEK)	50.000	38.035	23.9#	79	0.00
25 TMP	t-Amyl methyl ether (TAME)	10.000	9.250	7.5	100	0.00
26 TMP	1,2-Dichloroethane (EDC)	10.000	8.900	11.0	97	-0.01
27 TMP	1,1,1-Trichloroethane	10.000	9.441	5.6	100	0.00
28 TMP	1,1-Dichloropropene	10.000	8.914	10.9	98	0.00
29 TMP	Carbon tetrachloride	10.000	9.107	8.9	96	0.00
30 S	1,2-Dichloroethane-d4	10.000	9.402	6.0	102	0.00
31 TMP	Benzene	10.000	8.968	10.3	98	0.00
32 TMP	Trichloroethene	10.000	9.667	3.3	102	0.00
33 TMP	1,2-Dichloropropane	10.000	8.573	14.3	98	0.00
34 TMP	Bromodichloromethane	10.000	9.069	9.3	100	0.00
35 S	Toluene-d8	10.000	9.579	4.2	102	0.00
36 TMP	Dibromomethane	10.000	9.375	6.3	104	-0.01
37 TMP	4-Methyl-2-pentanone	50.000	47.214	5.6	102	-0.01
38 TMP	cis-1,3-Dichloropropene	10.000	8.964	10.4	98	0.00
39 I	Chlorobenzene-d5	10.000	10.000	0.0	101	0.00
40 TMP	Toluene	10.000	9.901	1.0	99	0.00
41 TMP	trans-1,3-Dichloropropene	10.000	9.478	5.2	99	0.00
42 TMP	1,1,2-Trichloroethane	10.000	9.983	0.2	99	0.00
43 TMP	2-Hexanone	50.000	48.598	2.8	96	0.00

Data Path : D:\Proc_GCMS13\11-22-22\
 Data File : 112231.D
 Acq On : 23 Nov 2022 01:00 am
 Operator : LM
 Sample : 10 ppb 8260 SCV 68-7
 Misc : soil/water
 ALS Vial : 25 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 29 16:50:01 2022
 Quant Method : D:\Methods\Inst13\VB112222ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed Nov 23 09:07:37 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	10.000	9.765	2.3	100	-0.01
45 TMP Tetrachloroethene	10.000	9.903	1.0	99	0.00
46 TMP Dibromochloromethane	10.000	9.824	1.8	103	-0.01
47 TMP 1,2-Dibromoethane (EDB)	10.000	9.724	2.8	100	-0.01
48 TMP Chlorobenzene	10.000	9.956	0.4	101	0.00
49 TMP Ethylbenzene	10.000	10.033	-0.3	99	0.00
50 TMP 1,1,1,2-Tetrachloroethane	10.000	9.755	2.4	98	0.00
51 TMP m,p-Xylene	20.000	19.993	0.0	99	0.00
52 TMP o-Xylene	10.000	9.940	0.6	99	0.00
53 TMP Styrene	10.000	10.004	-0.0	100	0.00
54 TMP Isopropylbenzene	10.000	10.019	-0.2	101	0.00
55 TMP Bromoform	10.000	9.953	0.5	103	0.00
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	102	0.00
57 S 4-Bromofluorobenzene	10.000	9.936	0.6	102	0.00
58 TMP n-Propylbenzene	10.000	9.883	1.2	99	0.00
59 TMP Bromobenzene	10.000	9.703	3.0	103	0.00
60 TMP 1,3,5-Trimethylbenzene	10.000	9.770	2.3	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	10.000	10.279	-2.8	100	0.00
62 TMP 1,2,3-Trichloropropane	10.000	9.419	5.8	98	0.00
63 TMP 2-Chlorotoluene	10.000	9.824	1.8	98	0.00
64 TMP 4-Chlorotoluene	10.000	9.884	1.2	101	0.00
65 TMP tert-Butylbenzene	10.000	9.722	2.8	101	0.00
66 TMP 1,2,4-Trimethylbenzene	10.000	9.730	2.7	99	0.00
67 TMP sec-Butylbenzene	10.000	9.666	3.3	98	0.00
68 TMP p-Isopropyltoluene	10.000	9.746	2.5	101	0.00
69 TMP 1,3-Dichlorobenzene	10.000	9.709	2.9	100	0.00
70 TMP 1,4-Dichlorobenzene	10.000	9.765	2.3	103	0.00
71 TMP 1,2-Dichlorobenzene	10.000	9.875	1.3	101	0.00
72 TMP 1,2-Dibromo-3-chloropropane	10.000	9.880	1.2	104	0.00
73 TMP 1,2,4-Trichlorobenzene	10.000	9.854	1.5	101	0.00
74 TMP Hexachlorobutadiene	10.000	9.627	3.7	99	0.00
75 TMP Naphthalene	10.000	9.772	2.3	105	0.00
76 TMP 1,2,3-Trichlorobenzene	10.000	9.879	1.2	107	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Data Path : D:\Proc_GCMS13\11-22-22\
 Data File : 112231.D
 Acq On : 23 Nov 2022 01:00 am
 Operator : LM
 Sample : 10 ppb 8260 SCV 68-7
 Misc : soil/water
 ALS Vial : 25 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 29 16:50:01 2022
 Quant Method : D:\Methods\Inst13\VB11222ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed Nov 23 09:07:37 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I Fluorobenzene	1.000	1.000	0.0	111	-0.01
2 TMP Ethanol	0.000	0.000#	0.0	26#	0.00
3 S Dibromofluoromethane	0.332	0.314	5.4	99	0.00
4 TMP Dichlorodifluoromethane	0.625	0.456	27.0#	82	0.00
5 TMP Chloromethane	0.403	0.314	22.1#	85	0.00
6 TMP Vinyl chloride	0.394	0.367	6.9	97	-0.02
7 TMP Bromomethane	0.383	0.415	-8.4	122	-0.01
8 TMP Chloroethane	0.223	0.199	10.8	100	-0.02
9 TMP Trichlorofluoromethane	1.059	0.963	9.1	101	0.00
10 TMP 2-Propanol	0.000	0.000	0.0	0#	0.00
11 TMP Acetone	0.025	0.016	36.0#	65	0.00
12 TMP 1,1-Dichloroethene	0.252	0.243	3.6	107	0.00
13 TMP Hexane	0.270	0.224	17.0	92	0.00
14 TMP Methylene chloride	0.298	0.239	19.8	98	0.00
15 TMP t-Butyl alcohol (TBA)	0.026	0.025#	3.8	97	-0.02
16 TMP Methyl t-butyl ether (MTBE)	0.672	0.636	5.4	99	0.00
17 TMP trans-1,2-Dichloroethene	0.290	0.272	6.2	100	0.00
18 TMP Diisopropyl ether (DIPE)	0.572	0.526	8.0	98	0.00
19 TMP 1,1-Dichloroethane	0.394	0.353	10.4	96	-0.01
20 TMP Ethyl t-butyl ether (ETBE)	0.305	0.288	5.6	102	-0.01
21 TMP 2,2-Dichloropropane	0.319	0.246	22.9#	98	0.00
22 TMP cis-1,2-Dichloroethene	0.324	0.295	9.0	100	0.00
23 TMP Chloroform	0.487	0.435	10.7	95	0.00
24 TMP 2-Butanone (MEK)	0.120	0.092	23.3#	79	0.00
25 TMP t-Amyl methyl ether (TAME)	0.614	0.568	7.5	100	0.00
26 TMP 1,2-Dichloroethane (EDC)	0.412	0.336	18.4	97	-0.01
27 TMP 1,1,1-Trichloroethane	0.520	0.491	5.6	100	0.00
28 TMP 1,1-Dichloropropene	0.338	0.301	10.9	98	0.00
29 TMP Carbon tetrachloride	0.549	0.500	8.9	96	0.00
30 S 1,2-Dichloroethane-d4	0.061	0.058	4.9	102	0.00
31 TMP Benzene	0.944	0.846	10.4	98	0.00
32 TMP Trichloroethene	0.354	0.329	7.1	102	0.00
33 TMP 1,2-Dichloropropane	0.211	0.181	14.2	98	0.00
34 TMP Bromodichloromethane	0.373	0.339	9.1	100	0.00
35 S Toluene-d8	0.967	0.926	4.2	102	0.00
36 TMP Dibromomethane	0.203	0.190	6.4	104	-0.01
37 TMP 4-Methyl-2-pentanone	0.046	0.043	6.5	102	-0.01
38 TMP cis-1,3-Dichloropropene	0.377	0.338	10.3	98	0.00
39 I Chlorobenzene-d5	1.000	1.000	0.0	101	0.00
40 TMP Toluene	0.750	0.692	7.7	99	0.00
41 TMP trans-1,3-Dichloropropene	0.377	0.357	5.3	99	0.00
42 TMP 1,1,2-Trichloroethane	0.221	0.206	6.8	99	0.00
43 TMP 2-Hexanone	0.168	0.164	2.4	96	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-22-22\
 Data File : 112231.D
 Acq On : 23 Nov 2022 01:00 am
 Operator : LM
 Sample : 10 ppb 8260 SCV 68-7
 Misc : soil/water
 ALS Vial : 25 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 29 16:50:01 2022
 Quant Method : D:\Methods\Inst13\VB112222ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed Nov 23 09:07:37 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.356	0.348	2.2	100	-0.01
45 TMP Tetrachloroethene	0.462	0.412	10.8	99	0.00
46 TMP Dibromochloromethane	0.463	0.455	1.7	103	-0.01
47 TMP 1,2-Dibromoethane (EDB)	0.344	0.334	2.9	100	-0.01
48 TMP Chlorobenzene	0.950	0.945	0.5	101	0.00
49 TMP Ethylbenzene	1.361	1.302	4.3	99	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.423	0.413	2.4	98	0.00
51 TMP m,p-Xylene	0.593	0.562	5.2	99	0.00
52 TMP o-Xylene	0.590	0.556	5.8	99	0.00
53 TMP Styrene	0.860	0.861	-0.1	100	0.00
54 TMP Isopropylbenzene	1.373	1.376	-0.2	101	0.00
55 TMP Bromoform	0.326	0.325	0.3	103	0.00
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	102	0.00
57 S 4-Bromofluorobenzene	0.635	0.631	0.6	102	0.00
58 TMP n-Propylbenzene	2.319	2.292	1.2	99	0.00
59 TMP Bromobenzene	0.844	0.819	3.0	103	0.00
60 TMP 1,3,5-Trimethylbenzene	1.903	1.860	2.3	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.473	0.465#	1.7	100	0.00
62 TMP 1,2,3-Trichloropropane	0.370	0.349#	5.7	98	0.00
63 TMP 2-Chlorotoluene	1.374	1.350	1.7	98	0.00
64 TMP 4-Chlorotoluene	1.629	1.610	1.2	101	0.00
65 TMP tert-Butylbenzene	1.942	1.888	2.8	101	0.00
66 TMP 1,2,4-Trimethylbenzene	1.964	1.911	2.7	99	0.00
67 TMP sec-Butylbenzene	2.462	2.379	3.4	98	0.00
68 TMP p-Isopropyltoluene	2.410	2.349	2.5	101	0.00
69 TMP 1,3-Dichlorobenzene	1.491	1.448	2.9	100	0.00
70 TMP 1,4-Dichlorobenzene	1.486	1.451	2.4	103	0.00
71 TMP 1,2-Dichlorobenzene	1.416	1.398	1.3	101	0.00
72 TMP 1,2-Dibromo-3-chloropropane	0.097	0.096	1.0	104	0.00
73 TMP 1,2,4-Trichlorobenzene	0.944	0.930	1.5	101	0.00
74 TMP Hexachlorobutadiene	0.565	0.544	3.7	99	0.00
75 TMP Naphthalene	1.846	1.803	2.3	105	0.00
76 TMP 1,2,3-Trichlorobenzene	0.804	0.794	1.2	107	0.00

(#) = Out of Range

SPCC's out = 4 CCC's out = 0

Data Path : D:\Proc_GCMS13\11-22-22\
 Data File : 112231.D
 Acq On : 23 Nov 2022 01:00 am
 Operator : LM
 Sample : 10 ppb 8260 SCV 68-7
 Misc : soil/water
 ALS Vial : 25 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 29 16:50:01 2022
 Quant Method : D:\Methods\Inst13\VB11222ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed Nov 23 09:07:37 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	4.73	96	99134	10.000	ppb	-0.01
39) Chlorobenzene-d5	7.41	117	89104	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	54595	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.18	113	31093	9.457	ppb	0.00
Spiked Amount	10.000	Range	50 - 150	Recovery	=	94.60%
30) 1,2-Dichloroethane-d4	4.46	102	5731	9.402	ppb	0.00
Spiked Amount	10.000	Range	84 - 120	Recovery	=	94.00%
35) Toluene-d8	6.11	98	91818	9.579	ppb	0.00
Spiked Amount	10.000	Range	73 - 128	Recovery	=	95.80%
57) 4-Bromofluorobenzene	8.51	95	34458	9.936	ppb	0.00
Spiked Amount	10.000	Range	57 - 146	Recovery	=	99.40%
Target Compounds						
						Qvalue
2) Ethanol	2.33	45	51	No Calib		
4) Dichlorodifluoromethane	1.11	85	45249	7.307	ppb	97
5) Chloromethane	1.25	50	31161	7.796	ppb	92
6] Vinyl chloride	1.33	62	36418	9.325	ppb	94
7) Bromomethane	1.59	94	41102	10.828	ppb	99
8] Chloroethane	1.65	64	19730	8.917	ppb	96
9) Trichlorofluoromethane	1.86	101	95423	9.091	ppb	88
10) 2-Propanol	2.33	45	51	No Calib	#	
11) Acetone	2.32	58	7799	30.000	ppb	96
12] 1,1-Dichloroethene	2.27	96	24121	9.670	ppb	91
13) Hexane	3.16	57	22212	8.302	ppb	98
14) Methylene chloride	2.68	84	23664	8.721	ppb	93
15) t-Butyl alcohol (TBA)	2.81	59	12556	48.344	ppb	99
16] Methyl t-butyl ether (...)	2.93	73	63039	9.469	ppb	95
17] trans-1,2-Dichloroethene	2.91	96	26940	9.359	ppb	94
18) Diisopropyl ether (DIPE)	3.35	45	52174	9.193	ppb	95
19] 1,1-Dichloroethane	3.27	63	34975	8.949	ppb	96
20) Ethyl t-butyl ether (E...)	3.65	87	28558	9.431	ppb	98
21) 2,2-Dichloropropane	3.76	77	24422	7.830	ppb	94
22] cis-1,2-Dichloroethene	3.77	96	29225	9.101	ppb	89
23) Chloroform	4.04	83	43100	8.922	ppb	97
24) 2-Butanone (MEK)	3.80	43	45578	38.035	ppb	97
25) t-Amyl methyl ether (T...)	4.61	73	56268	9.250	ppb	99
26] 1,2-Dichloroethane (EDC)	4.52	62	33318	8.900	ppb	95
27] 1,1,1-Trichloroethane	4.19	97	48663	9.441	ppb	94
28) 1,1-Dichloropropene	4.33	75	29826	8.914	ppb	95
29) Carbon tetrachloride	4.33	117	49586	9.107	ppb	99
31] Benzene	4.50	78	83900	8.968	ppb	96
32] Trichloroethene	5.05	95	32573	9.667	ppb	85
33) 1,2-Dichloropropane	5.24	63	17908	8.573	ppb	96
34) Bromodichloromethane	5.48	83	33557	9.069	ppb	97
36) Dibromomethane	5.34	93	18825	9.375	ppb	86

Data Path : D:\Proc_GCMS13\11-22-22\
 Data File : 112231.D
 Acq On : 23 Nov 2022 01:00 am
 Operator : LM
 Sample : 10 ppb 8260 SCV 68-7
 Misc : soil/water
 ALS Vial : 25 Sample Multiplier: 1
 InstName : GCMS13

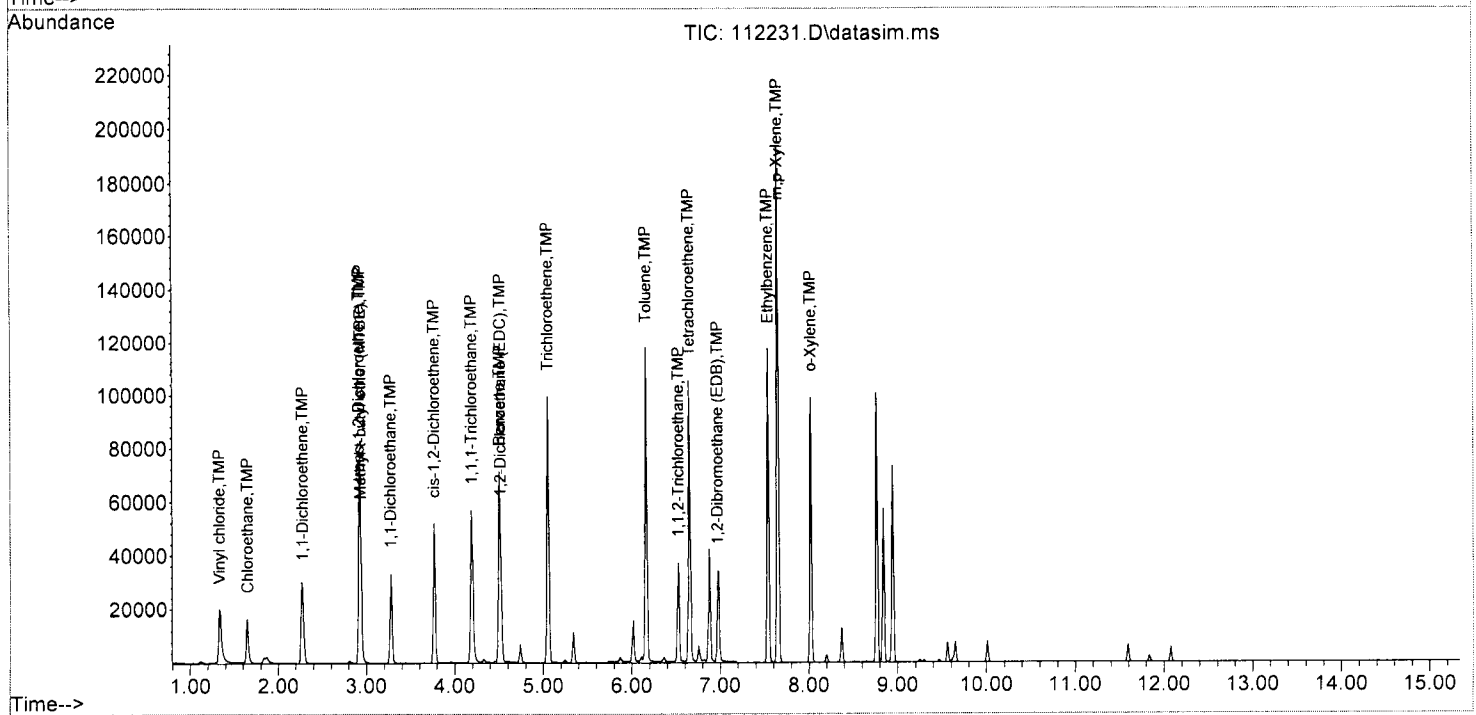
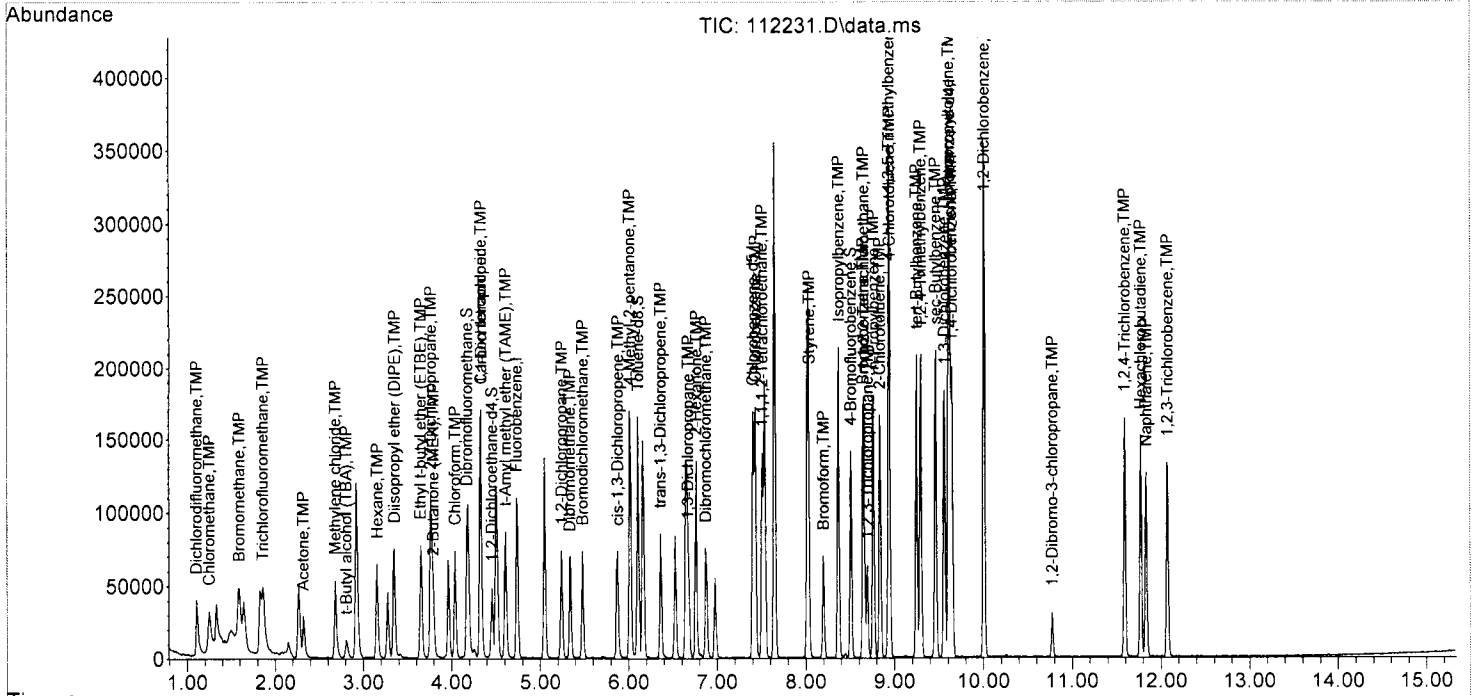
Quant Time: Nov 29 16:50:01 2022
 Quant Method : D:\Methods\Inst13\VB11222ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed Nov 23 09:07:37 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	6.01	85	21463	47.214	ppb	94
38) cis-1,3-Dichloropropene	5.88	75	33477	8.964	ppb	99
40] Toluene	6.16	92	61647	9.901	ppb	97
41) trans-1,3-Dichloropropene	6.36	75	31836	9.478	ppb	95
42] 1,1,2-Trichloroethane	6.53	83	18371	9.983	ppb	93
43) 2-Hexanone	6.76	43	72924	48.598	ppb	99
44) 1,3-Dichloropropane	6.67	76	30997	9.765	ppb	98
45] Tetrachloroethene	6.65	164	36674	9.903	ppb	98
46) Dibromochloromethane	6.87	129	40510	9.824	ppb	97
47] 1,2-Dibromoethane (EDB)	6.97	107	29794	9.724	ppb	91
48) Chlorobenzene	7.43	112	84240	9.956	ppb	98
49] Ethylbenzene	7.54	91	115984	10.033	ppb	98
50) 1,1,1,2-Tetrachloroethane	7.51	131	36763	9.755	ppb	99
51] m,p-Xylene	7.65	106	100155	19.993	ppb	98
52] o-Xylene	8.02	106	49573	9.940	ppb	97
53) Styrene	8.03	104	76695	10.004	ppb	96
54) Isopropylbenzene	8.37	105	122567	10.019	ppb	99
55) Bromoform	8.20	173	28947	9.953	ppb	99
58) n-Propylbenzene	8.77	91	125141	9.883	ppb	98
59) Bromobenzene	8.65	156	44692	9.703	ppb	96
60) 1,3,5-Trimethylbenzene	8.94	105	101521	9.770	ppb	99
61) 1,1,2,2-Tetrachloroethane	8.65	83	25390	10.279	ppb	96
62) 1,2,3-Trichloropropane	8.70	75	19037	9.419	ppb	98
63) 2-Chlorotoluene	8.84	91	73684	9.824	ppb	98
64) 4-Chlorotoluene	8.95	91	87876	9.884	ppb	100
65) tert-Butylbenzene	9.25	119	103097	9.722	ppb	99
66) 1,2,4-Trimethylbenzene	9.30	105	104351	9.730	ppb	99
67) sec-Butylbenzene	9.46	105	129900	9.666	ppb	100
68) p-Isopropyltoluene	9.61	119	128243	9.746	ppb	99
69) 1,3-Dichlorobenzene	9.56	146	79028	9.709	ppb	98
70) 1,4-Dichlorobenzene	9.64	146	79208	9.765	ppb	97
71) 1,2-Dichlorobenzene	10.01	146	76333	9.875	ppb	97
72) 1,2-Dibromo-3-chloropr...	10.77	75	5256	9.880	ppb	93
73) 1,2,4-Trichlorobenzene	11.59	180	50789	9.854	ppb	99
74) Hexachlorobutadiene	11.77	225	29676	9.627	ppb	95
75) Naphthalene	11.83	128	98459	9.772	ppb	98
76) 1,2,3-Trichlorobenzene	12.07	180	43356	9.879	ppb	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS13\11-22-22\
 Data File : 112231.D
 Acq On : 23 Nov 2022 01:00 am
 Operator : LM
 Sample : 10 ppb 8260 SCV 68-7
 Misc : soil/water
 ALS Vial : 25 Sample Multiplier: 1
 InstName : GCMS13

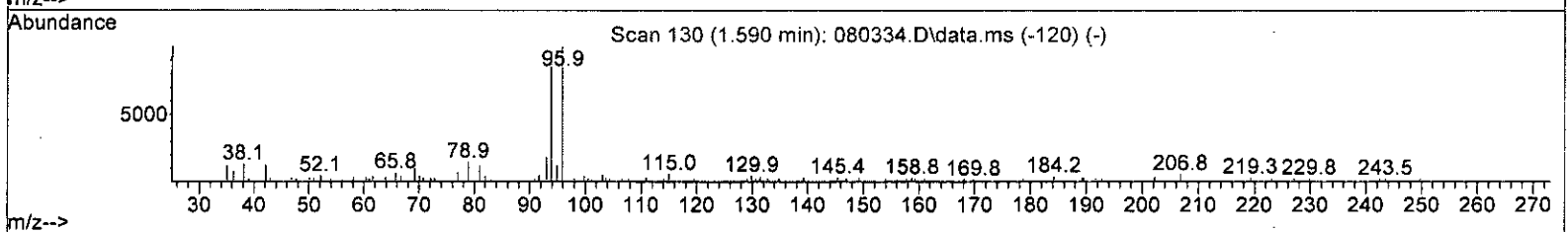
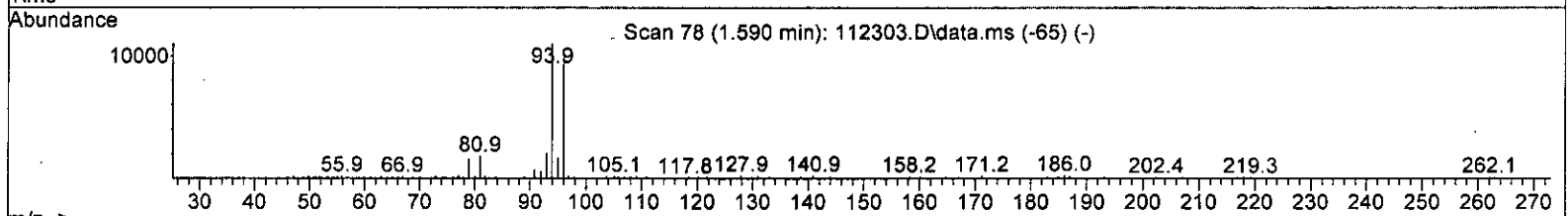
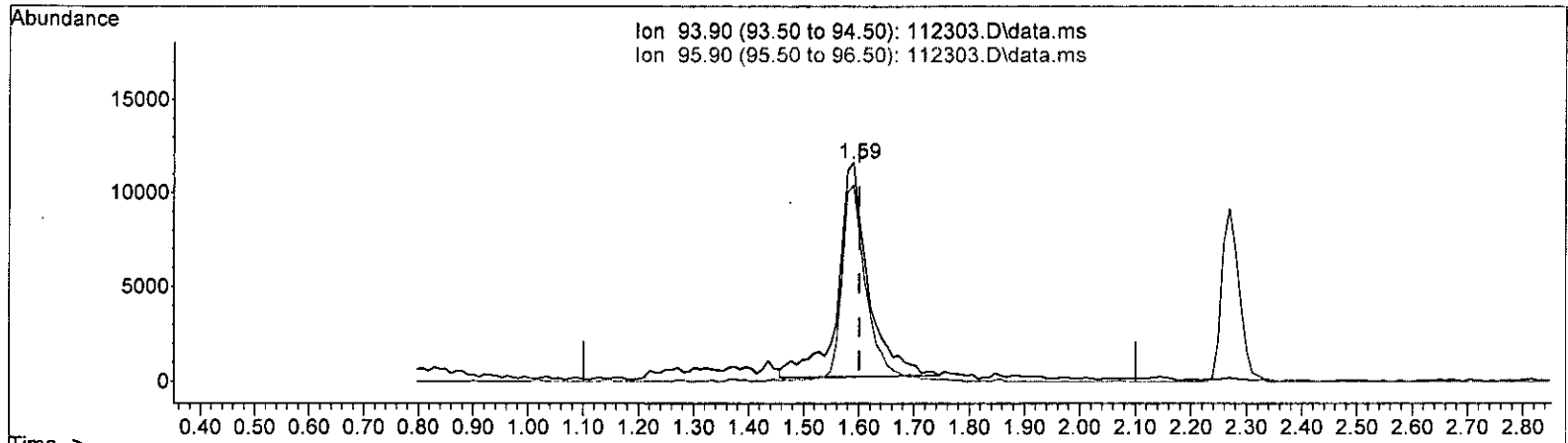
Quant Time: Nov 29 16:50:01 2022
 Quant Method : D:\Methods\Inst13\VB112222ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed Nov 23 09:07:37 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



Quantitation Report (Qedit)

Data Path : Y:\GCMS13\GCMS13_Data\11-23-22\
 Data File : 112303.D
 Acq On : 23 Nov 2022 11:52 am
 Operator : LM
 Sample : 10 ppb 8260 SCV 68-08C
 Misc : soil/water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 23 15:14:06 2022
 Quant Method : D:\Methods\Inst13\VB112222ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed Nov 23 09:07:37 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 112303.D\data.ms

(7) Bromomethane (TMP)

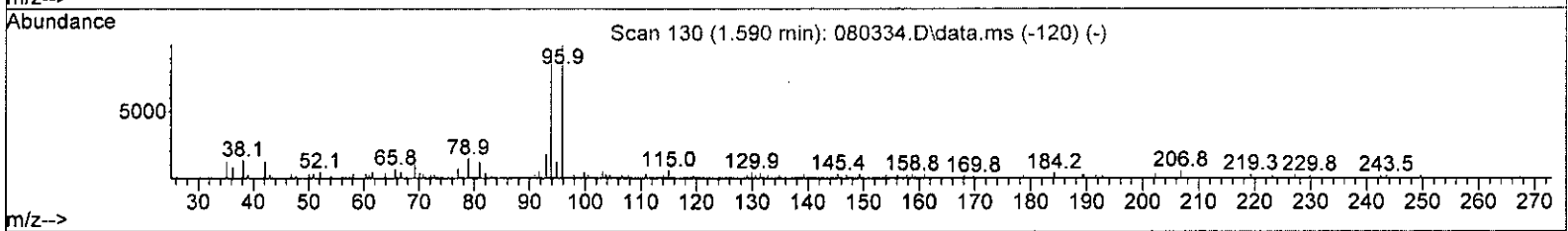
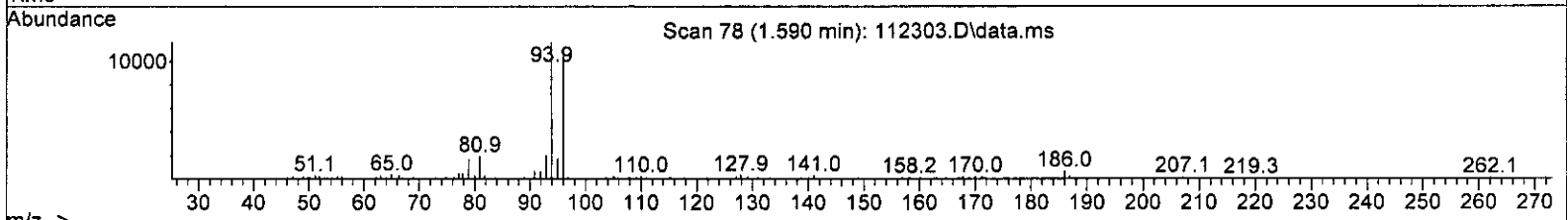
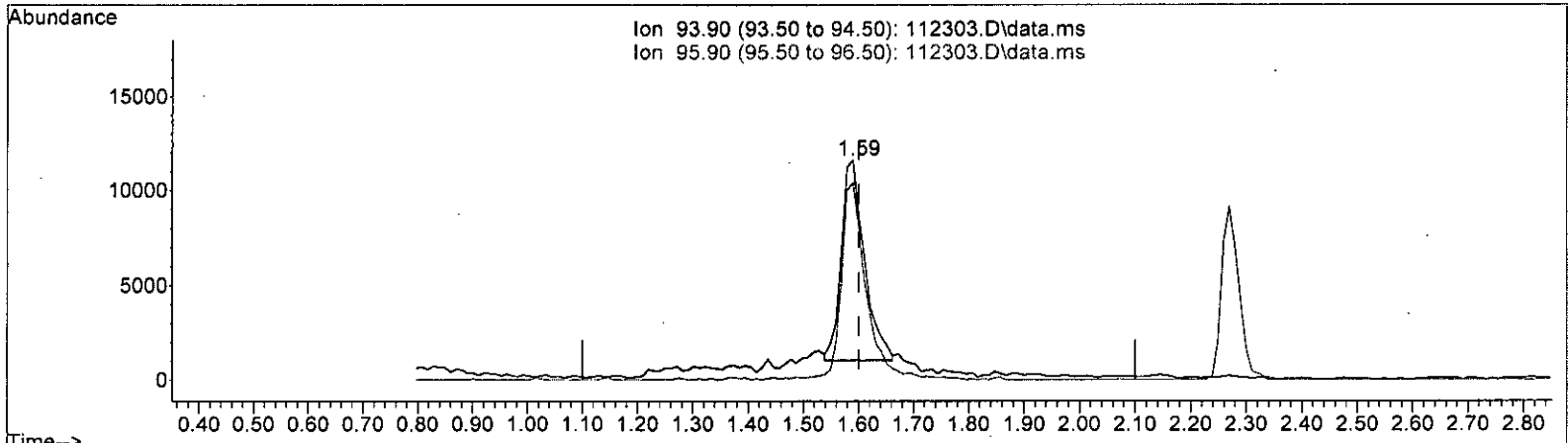
1.590min (-0.011) 12.434 ppb

response	43122
Ion	Exp% Act%
93.90	100.00 100.00
95.90	92.20 91.52
0.00	0.00 0.00
0.00	0.00 0.00

Quantitation Report (Qedit)

Data Path : Y:\GCMS13\GCMS13_Data\11-23-22\
 Data File : 112303.D
 Acq On : 23 Nov 2022 11:52 am
 Operator : LM
 Sample : 10 ppb 8260 SCV 68-08C
 Misc : soil/water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 23 15:14:06 2022
 Quant Method : D:\Methods\Inst13\VB112222ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed Nov 23 09:07:37 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



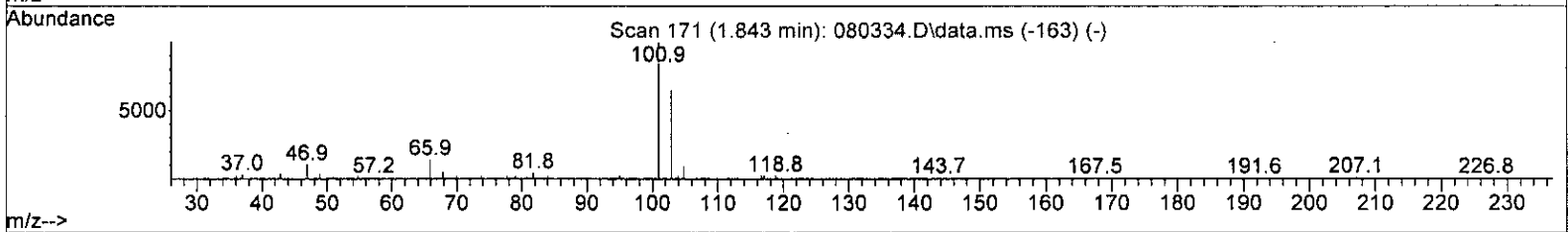
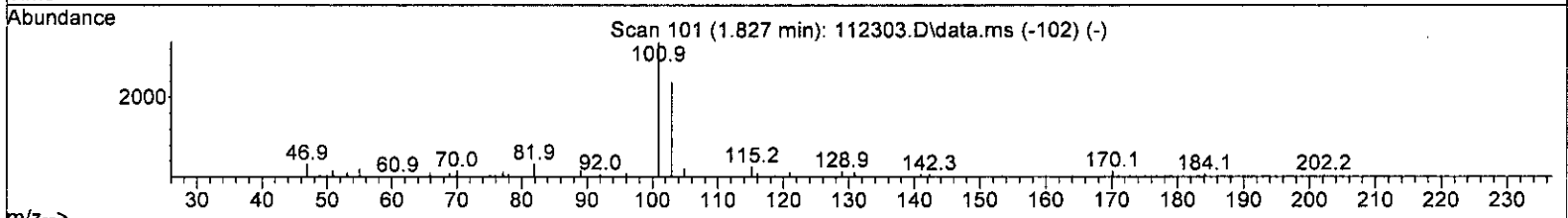
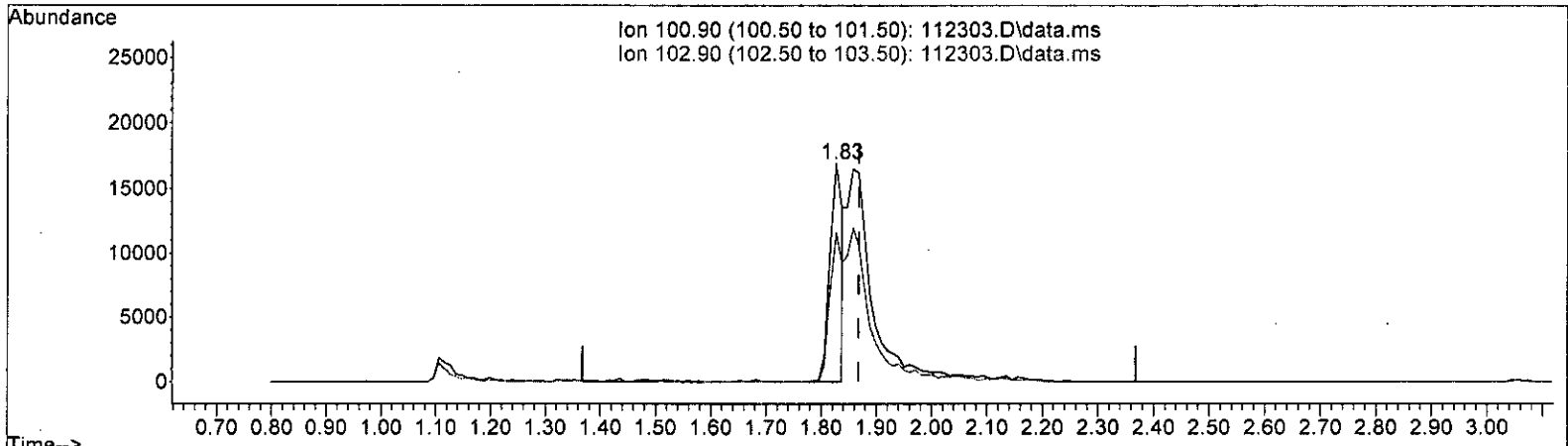
TIC: 112303.D\data.ms

(7) Bromomethane (TMP)			
1.590min (-0.011) 8.795 ppb m			
response	30501		
Ion	Exp%	Act%	
93.90	100.00	100.00	
95.90	92.20	89.55	
0.00	0.00	0.00	
0.00	0.00	0.00	

Quantitation Report (Qedit)

Data Path : Y:\GCMS13\GCMS13_Data\11-23-22\
 Data File : 112303.D
 Acq On : 23 Nov 2022 11:52 am
 Operator : LM
 Sample : 10 ppb 8260 SCV 68-08C
 Misc : soil/water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 23 15:14:06 2022
 Quant Method : D:\Methods\Inst13\VB112222ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed Nov 23 09:07:37 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 112303.D\data.ms

(9) Trichlorofluoromethane (TMP)

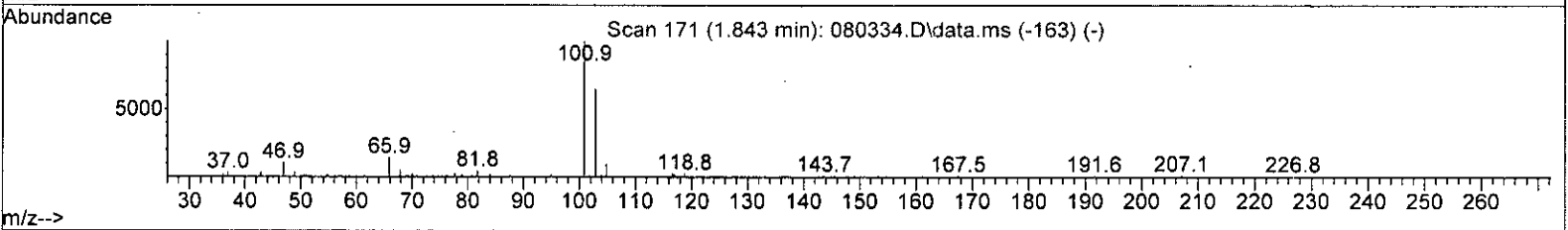
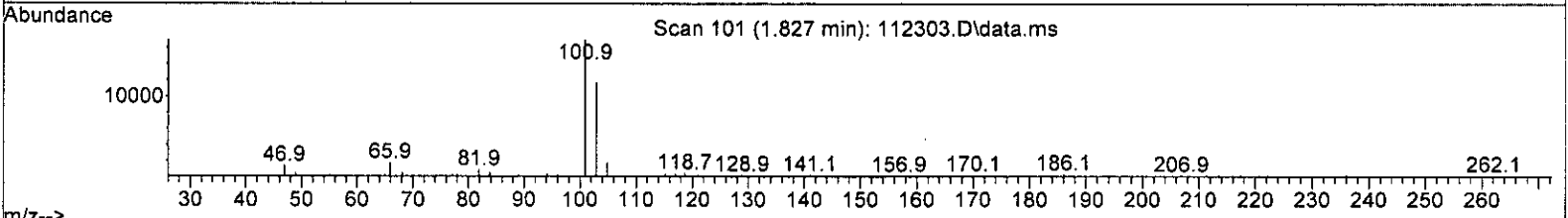
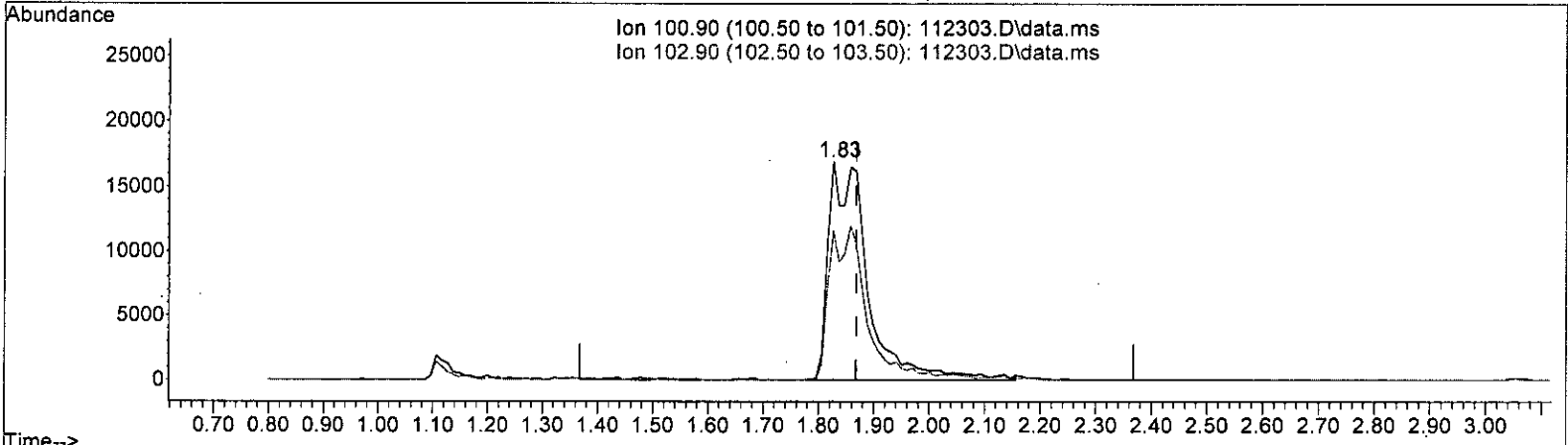
1.827min (-0.041) 2.796 ppb

response	26812
Ion	Exp% Act%
100.90	100.00 100.00
102.90	59.40 68.43
0.00	0.00 0.00
0.00	0.00 0.00

Quantitation Report (Qedit)

Data Path : Y:\GCMS13\GCMS13_Data\11-23-22\
 Data File : 112303.D
 Acq On : 23 Nov 2022 11:52 am
 Operator : LM
 Sample : 10 ppb 8260 SCV 68-08C
 Misc : soil/water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 23 15:14:06 2022
 Quant Method : D:\Methods\Inst13\VB112222ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed Nov 23 09:07:37 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 112303.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.827min (-0.041) 9.048 ppb m

response 86769

Ion	Exp%	Act%
100.90	100.00	100.00
102.90	59.40	68.43
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Y:\GCMS13\GCMS13_Data\11-23-22\
 Data File : 112303.D
 Acq On : 23 Nov 2022 11:52 am
 Operator : LM
 Sample : 10 ppb 8260 SCV 68-08C
 Misc : soil/water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 23 15:14:06 2022
 Quant Method : D:\Methods\Inst13\VB112222ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed Nov 23 09:07:37 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	4.73	96	90573	10.000	ppb	-0.01
39) Chlorobenzene-d5	7.40	117	88869	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	55137	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.17	113	30824	10.262	ppb	0.00
Spiked Amount	10.000	Range	50 - 150	Recovery	=	102.60%
30) 1,2-Dichloroethane-d4	4.45	102	5821	10.452	ppb	0.00
Spiked Amount	10.000	Range	84 - 120	Recovery	=	104.50%
35) Toluene-d8	6.11	98	91168	10.410	ppb	0.00
Spiked Amount	10.000	Range	73 - 128	Recovery	=	104.10%
57) 4-Bromofluorobenzene	8.51	95	33962	9.697	ppb	0.00
Spiked Amount	10.000	Range	57 - 146	Recovery	=	97.00%
Target Compounds						
2) Ethanol	2.31	45	155	No Calib		Qvalue
4) Dichlorodifluoromethane	1.11	85	42131	7.446	ppb	100
5) Chloromethane	1.25	50	28623	7.838	ppb	98
6] Vinyl chloride	1.34	62	33353	9.347	ppb	99
7) Bromomethane	1.59	94	30501m	8.795	ppb	
8] Chloroethane	1.65	64	17990	8.899	ppb	99
9) Trichlorofluoromethane	1.83	101	86769m	9.048	ppb	
10) 2-Propanol	2.31	45	155	No Calib	#	
11) Acetone	2.32	58	8761	36.973	ppb	91
12] 1,1-Dichloroethene	2.27	96	22915	10.055	ppb	94
13) Hexane	3.16	57	23187	9.486	ppb	96
14) Methylene chloride	2.68	84	21737	8.774	ppb	96
15) t-Butyl alcohol (TBA)	2.82	59	11261	47.456	ppb	99
16] Methyl t-butyl ether (...)	2.93	73	57681	9.483	ppb	95
17] trans-1,2-Dichloroethene	2.91	96	24680	9.385	ppb	95
18) Diisopropyl ether (DIPE)	3.35	45	48676	9.388	ppb	96
19] 1,1-Dichloroethane	3.27	63	32427	9.082	ppb	96
20) Ethyl t-butyl ether (E...)	3.66	87	25473	9.207	ppb	95
21) 2,2-Dichloropropane	3.76	77	26581	9.352	ppb	94
22] cis-1,2-Dichloroethene	3.77	96	26030	8.872	ppb	90
23) Chloroform	4.04	83	40902	9.268	ppb	99
24) 2-Butanone (MEK)	3.79	43	45906	41.962	ppb	99
25) t-Amyl methyl ether (T...)	4.61	73	52521	9.450	ppb	98
26] 1,2-Dichloroethane (EDC)	4.52	62	30660	8.965	ppb	96
27] 1,1,1-Trichloroethane	4.19	97	44891	9.533	ppb	95
28) 1,1-Dichloropropene	4.33	75	28166	9.213	ppb	95
29) Carbon tetrachloride	4.33	117	48064	9.662	ppb	97
31] Benzene	4.50	78	77387	9.054	ppb	96
32] Trichloroethene	5.05	95	28008	9.097	ppb	87
33) 1,2-Dichloropropane	5.24	63	16895	8.853	ppb	97
34) Bromodichloromethane	5.48	83	30977	9.163	ppb	95
36) Dibromomethane	5.34	93	16650	9.076	ppb	87

Data Path : Y:\GCMS13\GCMS13_Data\11-23-22\
 Data File : 112303.D
 Acq On : 23 Nov 2022 11:52 am
 Operator : LM
 Sample : 10 ppb 8260 SCV 68-08C
 Misc : soil/water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS13

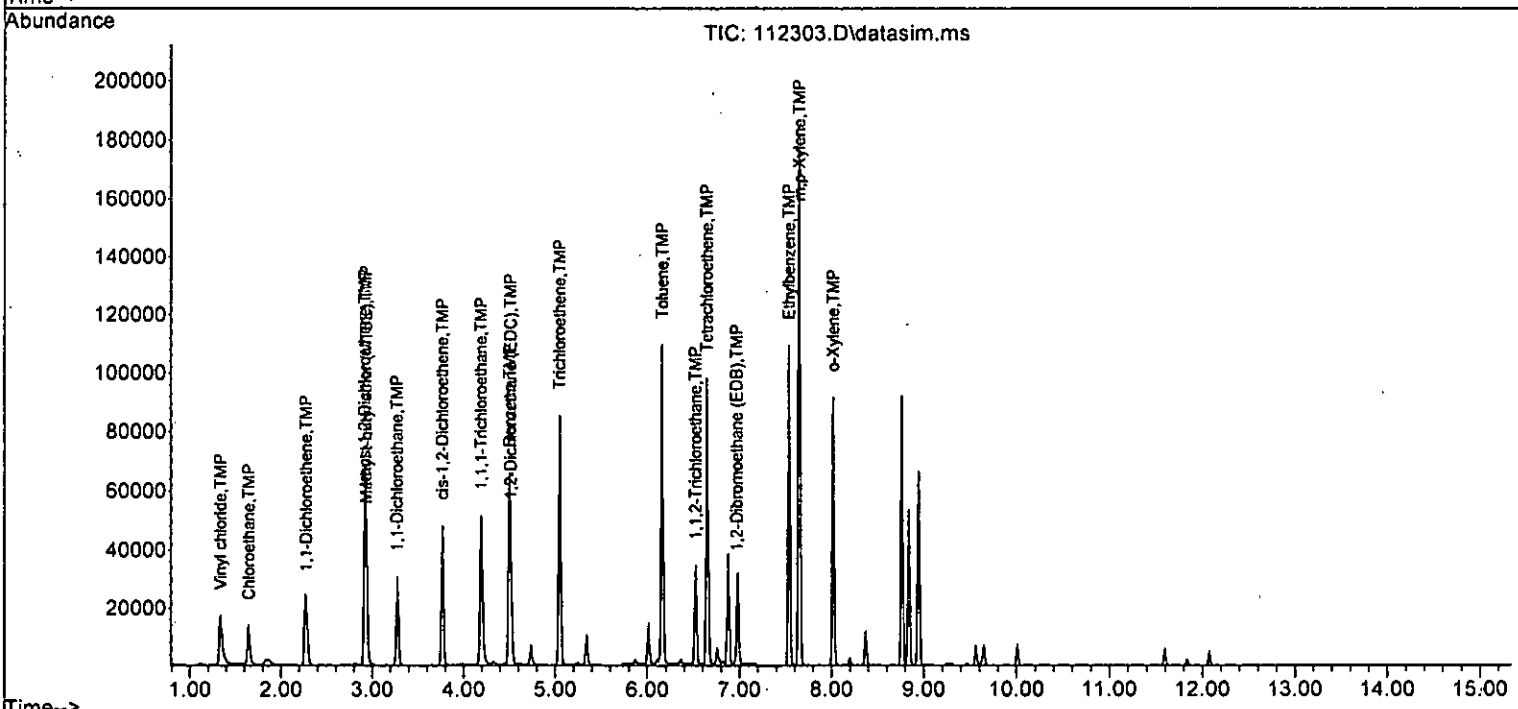
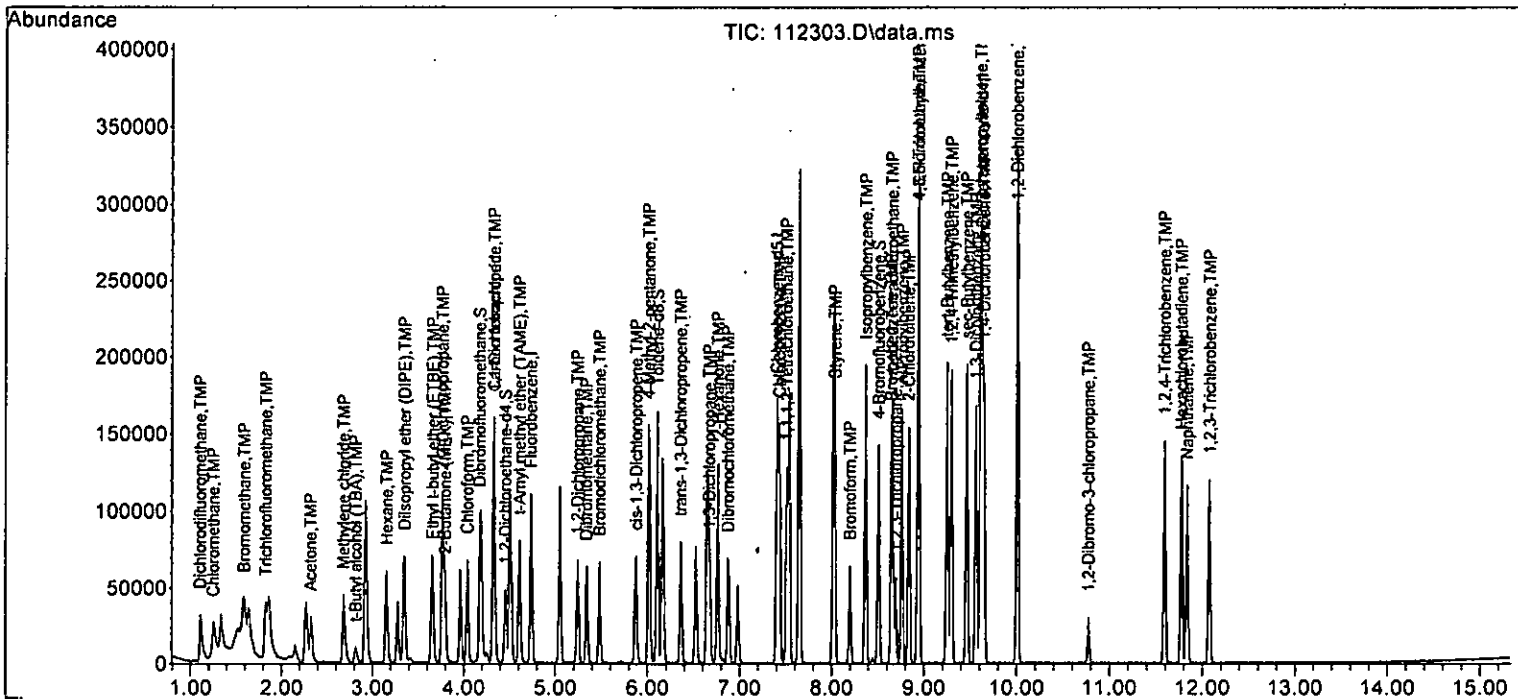
Quant Time: Nov 23 15:14:06 2022
 Quant Method : D:\Methods\Inst13\VB112222ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed Nov 23 09:07:37 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	6.01	85	19736	47.519	ppb	95
38) cis-1,3-Dichloropropene	5.88	75	31741	9.302	ppb	99
40] Toluene	6.16	92	56688	9.128	ppb	99
41) trans-1,3-Dichloropropene	6.36	75	31126	9.291	ppb	96
42] 1,1,2-Trichloroethane	6.53	83	16927	9.222	ppb	93
43) 2-Hexanone	6.76	43	69253	46.274	ppb	99
44) 1,3-Dichloropropane	6.67	76	28889	9.125	ppb	97
45] Tetrachloroethene	6.65	164	34152	9.243	ppb	98
46) Dibromochloromethane	6.87	129	37694	9.165	ppb	98
47] 1,2-Dibromoethane (EDB)	6.97	107	27520	9.006	ppb	91
48) Chlorobenzene	7.43	112	77135	9.140	ppb	100
49] Ethylbenzene	7.54	91	107770	9.347	ppb	97
50] 1,1,1,2-Tetrachloroethane	7.51	131	34042	9.057	ppb	98
51] m,p-Xylene	7.65	106	92728	18.559	ppb	97
52] o-Xylene	8.02	106	45830	9.213	ppb	97
53) Styrene	8.03	104	70944	9.278	ppb	97
54) Isopropylbenzene	8.37	105	114021	9.345	ppb	100
55) Bromoform	8.20	173	26964	9.296	ppb	98
58) n-Propylbenzene	8.77	91	115502	9.032	ppb	97
59) Bromobenzene	8.65	156	40428	8.691	ppb	95
60] 1,3,5-Trimethylbenzene	8.94	105	94264	8.982	ppb	99
61) 1,1,2,2-Tetrachloroethane	8.65	83	25244	10.118	ppb	98
62] 1,2,3-Trichloropropane	8.70	75	17808	8.724	ppb	97
63) 2-Chlorotoluene	8.84	91	68003	8.978	ppb	99
64) 4-Chlorotoluene	8.94	91	79891	8.897	ppb	89
65) tert-Butylbenzene	9.25	119	96658	9.025	ppb	98
66) 1,2,4-Trimethylbenzene	9.30	105	96699	8.928	ppb	99
67) sec-Butylbenzene	9.46	105	117844	8.683	ppb	99
68) p-Isopropyltoluene	9.61	119	118019	8.881	ppb	99
69) 1,3-Dichlorobenzene	9.56	146	72725	8.846	ppb	97
70] 1,4-Dichlorobenzene	9.64	146	73307	8.948	ppb	99
71) 1,2-Dichlorobenzene	10.00	146	69750	8.935	ppb	98
72) 1,2-Dibromo-3-chloropr...	10.77	75	4857	9.041	ppb	93
73) 1,2,4-Trichlorobenzene	11.59	180	46238	8.883	ppb	92
74) Hexachlorobutadiene	11.77	225	27101	8.705	ppb	97
75) Naphthalene	11.83	128	88654	8.712	ppb	99
76) 1,2,3-Trichlorobenzene	12.08	180	38313	8.644	ppb	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\GCMS13\GCMS13_Data\11-23-22\
 Data File : 112303.D
 Acq On : 23 Nov 2022 11:52 am
 Operator : LM
 Sample : 10 ppb 8260 SCV 68-08C
 Misc : soil/water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 23 15:14:06 2022
 Quant Method : D:\Methods\Inst13\VB112222ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed Nov 23 09:07:37 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



Evaluate Continuing Calibration Report

Data Path : Y:\GCMS13\GCMS13_Data\11-23-22\
 Data File : 112303.D
 Acq On : 23 Nov 2022 11:52 am
 Operator : LM
 Sample : 10 ppb 8260 SCV 68-08C
 Misc : soil/water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 23 15:14:06 2022
 Quant Method : D:\Methods\Inst13\VB112222ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed Nov 23 09:07:37 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I Fluorobenzene	10.000	10.000	0.0	101	-0.01
2 TMP Ethanol	-1.000	0.000	0.0	79	-0.03
3 S Dibromofluoromethane	10.000	10.262	-2.6	99	0.00
4 TMP Dichlorodifluoromethane	10.000	7.446	25.5#	76	-0.01
5 TMP Chloromethane	10.000	7.838	21.6#	78	-0.01
6 TMP Vinyl chloride	10.000	9.347	6.5	89	-0.01
7 TMP Bromomethane	10.000	8.795	12.1	90	-0.01
8 TMP Chloroethane	10.000	8.899	11.0	91	-0.02
9 TMP Trichlorofluoromethane	10.000	9.048	9.5	92	-0.04
10 TMP 2-Propanol	-1.000	0.000	0.0	0	-0.03
11 TMP Acetone	50.000	36.973	26.1#	72	-0.01
12 TMP 1,1-Dichloroethene	10.000	10.055	-0.5	102	0.00
13 TMP Hexane	10.000	9.486	5.1	96	0.00
14 TMP Methylene chloride	10.000	8.774	12.3	90	-0.01
15 TMP t-Butyl alcohol (TBA)	50.000	47.456	5.1	87	-0.01
16 TMP Methyl t-butyl ether (MTBE)	10.000	9.483	5.2	90	0.00
17 TMP trans-1,2-Dichloroethene	10.000	9.385	6.2	91	-0.01
18 TMP Diisopropyl ether (DIPE)	10.000	9.388	6.1	92	0.00
19 TMP 1,1-Dichloroethane	10.000	9.082	9.2	89	-0.01
20 TMP Ethyl t-butyl ether (ETBE)	10.000	9.207	7.9	91	0.00
21 TMP 2,2-Dichloropropane	10.000	9.352	6.5	106	-0.01
22 TMP cis-1,2-Dichloroethene	10.000	8.872	11.3	89	0.00
23 TMP Chloroform	10.000	9.268	7.3	90	0.00
24 TMP 2-Butanone (MEK)	50.000	41.962	16.1	80	0.00
25 TMP t-Amyl methyl ether (TAME)	10.000	9.450	5.5	93	0.00
26 TMP 1,2-Dichloroethane (EDC)	10.000	8.965	10.4	89	-0.01
27 TMP 1,1,1-Trichloroethane	10.000	9.533	4.7	93	0.00
28 TMP 1,1-Dichloropropene	10.000	9.213	7.9	93	0.00
29 TMP Carbon tetrachloride	10.000	9.662	3.4	93	0.00
30 S 1,2-Dichloroethane-d4	10.000	10.452	-4.5	103	0.00
31 TMP Benzene	10.000	9.054	9.5	90	0.00
32 TMP Trichloroethene	10.000	9.097	9.0	88	0.00
33 TMP 1,2-Dichloropropane	10.000	8.853	11.5	93	0.00
34 TMP Bromodichloromethane	10.000	9.163	8.4	92	0.00
35 S Toluene-d8	10.000	10.410	-4.1	101	0.00
36 TMP Dibromomethane	10.000	9.076	9.2	92	-0.01
37 TMP 4-Methyl-2-pentanone	50.000	47.519	5.0	94	-0.01
38 TMP cis-1,3-Dichloropropene	10.000	9.302	7.0	93	0.00
39 I Chlorobenzene-d5	10.000	10.000	0.0	101	0.00
40 TMP Toluene	10.000	9.128	8.7	91	0.00
41 TMP trans-1,3-Dichloropropene	10.000	9.291	7.1	97	0.00
42 TMP 1,1,2-Trichloroethane	10.000	9.222	7.8	91	0.00
43 TMP 2-Hexanone	50.000	46.274	7.5	91	0.00

Evaluate Continuing Calibration Report

Data Path : Y:\GCMS13\GCMS13_Data\11-23-22\
 Data File : 112303.D
 Acq On : 23 Nov 2022 11:52 am
 Operator : LM
 Sample : 10 ppb 8260 SCV 68-08C
 Misc : soil/water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 23 15:14:06 2022
 Quant Method : D:\Methods\Inst13\VB112222ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed Nov 23 09:07:37 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	10.000	9.125	8.8	93	-0.01
45 TMP Tetrachloroethene	10.000	9.243	7.6	92	0.00
46 TMP Dibromochloromethane	10.000	9.165	8.4	95	-0.01
47 TMP 1,2-Dibromoethane (EDB)	10.000	9.006	9.9	93	-0.01
48 TMP Chlorobenzene	10.000	9.140	8.6	93	0.00
49 TMP Ethylbenzene	10.000	9.347	6.5	92	0.00
50 TMP 1,1,1,2-Tetrachloroethane	10.000	9.057	9.4	91	0.00
51 TMP m,p-Xylene	20.000	18.559	7.2	92	0.00
52 TMP o-Xylene	10.000	9.213	7.9	92	0.00
53 TMP Styrene	10.000	9.278	7.2	92	0.00
54 TMP Isopropylbenzene	10.000	9.345	6.5	94	0.00
55 TMP Bromoform	10.000	9.296	7.0	96	0.00
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	103	0.00
57 S 4-Bromofluorobenzene	10.000	9.697	3.0	100	0.00
58 TMP n-Propylbenzene	10.000	9.032	9.7	91	0.00
59 TMP Bromobenzene	10.000	8.691	13.1	93	0.00
60 TMP 1,3,5-Trimethylbenzene	10.000	8.982	10.2	93	0.00
61 TMP 1,1,2,2-Tetrachloroethane	10.000	10.118	-1.2	99	0.00
62 TMP 1,2,3-Trichloropropane	10.000	8.724	12.8	92	0.00
63 TMP 2-Chlorotoluene	10.000	8.978	10.2	90	0.00
64 TMP 4-Chlorotoluene	10.000	8.897	11.0	92	0.00
65 TMP tert-Butylbenzene	10.000	9.025	9.7	94	0.00
66 TMP 1,2,4-Trimethylbenzene	10.000	8.928	10.7	92	0.00
67 TMP sec-Butylbenzene	10.000	8.683	13.2	89	0.00
68 TMP p-Isopropyltoluene	10.000	8.881	11.2	92	0.00
69 TMP 1,3-Dichlorobenzene	10.000	8.846	11.5	92	0.00
70 TMP 1,4-Dichlorobenzene	10.000	8.948	10.5	95	0.00
71 TMP 1,2-Dichlorobenzene	10.000	8.935	10.6	92	0.00
72 TMP 1,2-Dibromo-3-chloropropane	10.000	9.041	9.6	96	0.00
73 TMP 1,2,4-Trichlorobenzene	10.000	8.883	11.2	92	0.00
74 TMP Hexachlorobutadiene	10.000	8.705	13.0	91	0.00
75 TMP Naphthalene	10.000	8.712	12.9	94	0.00
76 TMP 1,2,3-Trichlorobenzene	10.000	8.644	13.6	94	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : Y:\GCMS13\GCMS13_Data\11-23-22\
 Data File : 112303.D
 Acq On : 23 Nov 2022 11:52 am
 Operator : LM
 Sample : 10 ppb 8260 SCV 68-08C
 Misc : soil/water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 23 15:14:06 2022
 Quant Method : D:\Methods\Inst13\VB112222ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed Nov 23 09:07:37 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I Fluorobenzene	1.000	1.000	0.0	101	-0.01
2 TMP Ethanol	0.000	0.000#	0.0	79	-0.03
3 S Dibromofluoromethane	0.332	0.340	-2.4	99	0.00
4 TMP Dichlorodifluoromethane	0.625	0.465	25.6#	76	-0.01
5 TMP Chloromethane	0.403	0.316	21.6#	78	-0.01
6 TMP Vinyl chloride	0.394	0.368	6.6	89	-0.01
7 TMP Bromomethane	0.383	0.337	12.0	90	-0.01
8 TMP Chloroethane	0.223	0.199	10.8	91	-0.02
9 TMP Trichlorofluoromethane	1.059	0.958	9.5	92	-0.04
10 TMP 2-Propanol	0.000	0.000	0.0	0#	-0.03
11 TMP Acetone	0.025	0.019	24.0#	72	-0.01
12 TMP 1,1-Dichloroethene	0.252	0.253	-0.4	102	0.00
13 TMP Hexane	0.270	0.256	5.2	96	0.00
14 TMP Methylene chloride	0.298	0.240	19.5	90	-0.01
15 TMP t-Butyl alcohol (TBA)	0.026	0.025#	3.8	87	-0.01
16 TMP Methyl t-butyl ether (MTBE)	0.672	0.637	5.2	90	0.00
17 TMP trans-1,2-Dichloroethene	0.290	0.272	6.2	91	-0.01
18 TMP Diisopropyl ether (DIPE)	0.572	0.537	6.1	92	0.00
19 TMP 1,1-Dichloroethane	0.394	0.358	9.1	89	-0.01
20 TMP Ethyl t-butyl ether (ETBE)	0.305	0.281	7.9	91	0.00
21 TMP 2,2-Dichloropropane	0.319	0.293	8.2	106	-0.01
22 TMP cis-1,2-Dichloroethene	0.324	0.287	11.4	89	0.00
23 TMP Chloroform	0.487	0.452	7.2	90	0.00
24 TMP 2-Butanone (MEK)	0.120	0.101	15.8	80	0.00
25 TMP t-Amyl methyl ether (TAME)	0.614	0.580	5.5	93	0.00
26 TMP 1,2-Dichloroethane (EDC)	0.412	0.339	17.7	89	-0.01
27 TMP 1,1,1-Trichloroethane	0.520	0.496	4.6	93	0.00
28 TMP 1,1-Dichloropropene	0.338	0.311	8.0	93	0.00
29 TMP Carbon tetrachloride	0.549	0.531	3.3	93	0.00
30 S 1,2-Dichloroethane-d4	0.061	0.064	-4.9	103	0.00
31 TMP Benzene	0.944	0.854	9.5	90	0.00
32 TMP Trichloroethene	0.354	0.309	12.7	88	0.00
33 TMP 1,2-Dichloropropane	0.211	0.187	11.4	93	0.00
34 TMP Bromodichloromethane	0.373	0.342	8.3	92	0.00
35 S Toluene-d8	0.967	1.007	-4.1	101	0.00
36 TMP Dibromomethane	0.203	0.184	9.4	92	-0.01
37 TMP 4-Methyl-2-pentanone	0.046	0.044	4.3	94	-0.01
38 TMP cis-1,3-Dichloropropene	0.377	0.350	7.2	93	0.00
39 I Chlorobenzene-d5	1.000	1.000	0.0	101	0.00
40 TMP Toluene	0.750	0.638	14.9	91	0.00
41 TMP trans-1,3-Dichloropropene	0.377	0.350	7.2	97	0.00
42 TMP 1,1,2-Trichloroethane	0.221	0.190	14.0	91	0.00
43 TMP 2-Hexanone	0.168	0.156	7.1	91	0.00

Evaluate Continuing Calibration Report

Data Path : Y:\GCMS13\GCMS13_Data\11-23-22\
 Data File : 112303.D
 Acq On : 23 Nov 2022 11:52 am
 Operator : LM
 Sample : 10 ppb 8260 SCV 68-08C
 Misc : soil/water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 23 15:14:06 2022
 Quant Method : D:\Methods\Inst13\VB112222ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed Nov 23 09:07:37 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.356	0.325	8.7	93	-0.01
45 TMP Tetrachloroethene	0.462	0.384	16.9	92	0.00
46 TMP Dibromochloromethane	0.463	0.424	8.4	95	-0.01
47 TMP 1,2-Dibromoethane (EDB)	0.344	0.310	9.9	93	-0.01
48 TMP Chlorobenzene	0.950	0.868	8.6	93	0.00
49 TMP Ethylbenzene	1.361	1.213	10.9	92	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.423	0.383	9.5	91	0.00
51 TMP m,p-Xylene	0.593	0.522	12.0	92	0.00
52 TMP o-Xylene	0.590	0.516	12.5	92	0.00
53 TMP Styrene	0.860	0.798	7.2	92	0.00
54 TMP Isopropylbenzene	1.373	1.283	6.6	94	0.00
55 TMP Bromoform	0.326	0.303	7.1	96	0.00
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	103	0.00
57 S 4-Bromofluorobenzene	0.635	0.616	3.0	100	0.00
58 TMP n-Propylbenzene	2.319	2.095	9.7	91	0.00
59 TMP Bromobenzene	0.844	0.733	13.2	93	0.00
60 TMP 1,3,5-Trimethylbenzene	1.903	1.710	10.1	93	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.473	0.458#	3.2	99	0.00
62 TMP 1,2,3-Trichloropropane	0.370	0.323#	12.7	92	0.00
63 TMP 2-Chlorotoluene	1.374	1.233	10.3	90	0.00
64 TMP 4-Chlorotoluene	1.629	1.449	11.0	92	0.00
65 TMP tert-Butylbenzene	1.942	1.753	9.7	94	0.00
66 TMP 1,2,4-Trimethylbenzene	1.964	1.754	10.7	92	0.00
67 TMP sec-Butylbenzene	2.462	2.137	13.2	89	0.00
68 TMP p-Isopropyltoluene	2.410	2.140	11.2	92	0.00
69 TMP 1,3-Dichlorobenzene	1.491	1.319	11.5	92	0.00
70 TMP 1,4-Dichlorobenzene	1.486	1.330	10.5	95	0.00
71 TMP 1,2-Dichlorobenzene	1.416	1.265	10.7	92	0.00
72 TMP 1,2-Dibromo-3-chloropropane	0.097	0.088	9.3	96	0.00
73 TMP 1,2,4-Trichlorobenzene	0.944	0.839	11.1	92	0.00
74 TMP Hexachlorobutadiene	0.565	0.492	12.9	91	0.00
75 TMP Naphthalene	1.846	1.608	12.9	94	0.00
76 TMP 1,2,3-Trichlorobenzene	0.804	0.695	13.6	94	0.00

(#) = Out of Range

SPCC's out = 4 CCC's out = 0

EPA 8260D
CCV Summaries

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS13\11-11-22\
 Data File : 111103.D
 Acq On : 11 Nov 2022 08:31 am
 Operator : WE
 Sample : 10 ppb 8260 CCV 66-177N
 Misc : soil/water
 ALS Vial : 1 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 11 11:58:44 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 Qlast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I Fluorobenzene	10.000	10.000	0.0	106	-0.01
2 TMP Ethanol	-1.000	0.000	0.0	0	-0.01
3 S Dibromofluoromethane	10.000	10.000	0.0	107	0.00
4 TMP Dichlorodifluoromethane	10.000	8.899	11.0	96	-0.01
5 TMP Chloromethane	10.000	7.759	22.4#	80	-0.01
6 TMP Vinyl chloride	10.000	8.209	17.9	89	-0.01
7 TMP Bromomethane	10.000	10.817	-8.2	102	0.00
8 TMP Chloroethane	10.000	9.666	3.3	100	-0.01
9 TMP Trichlorofluoromethane	10.000	9.352	6.5	102	0.03
10 TMP 2-Propanol	-1.000	0.000	0.0	0	-0.01
11 TMP Acetone	50.000	49.787	0.4	97	-0.01
12 TMP 1,1-Dichloroethene	10.000	9.065	9.4	98	0.00
13 TMP Hexane	10.000	7.068	29.3#	74	0.00
14 TMP Methylene chloride	10.000	9.405	6.0	99	0.00
15 TMP t-Butyl alcohol (TBA)	50.000	55.932	-11.9	117	0.00
16 TMP Methyl t-butyl ether (MTBE)	10.000	10.619	-6.2	112	0.00
17 TMP trans-1,2-Dichloroethene	10.000	8.907	10.9	96	-0.01
18 TMP Diisopropyl ether (DIPE)	10.000	8.695	13.0	96	0.00
19 TMP 1,1-Dichloroethane	10.000	8.970	10.3	93	0.00
20 TMP Ethyl t-butyl ether (ETBE)	10.000	12.024	-20.2#	133	0.00
21 TMP 2,2-Dichloropropane	10.000	11.673	-16.7	132	-0.01
22 TMP cis-1,2-Dichloroethene	10.000	9.390	6.1	99	0.00
23 TMP Chloroform	10.000	9.079	9.2	98	0.00
24 TMP 2-Butanone (MEK)	50.000	48.059	3.9	97	0.00
25 TMP t-Amyl methyl ether (TAME)	10.000	11.558	-15.6	123	0.00
26 TMP 1,2-Dichloroethane (EDC)	10.000	9.355	6.4	95	-0.01
27 TMP 1,1,1-Trichloroethane	10.000	10.534	-5.3	114	0.00
28 TMP 1,1-Dichloropropene	10.000	9.161	8.4	96	0.00
29 TMP Carbon tetrachloride	10.000	10.233	-2.3	112	0.00
30 S 1,2-Dichloroethane-d4	10.000	9.405	6.0	95	0.00
31 TMP Benzene	10.000	8.359	16.4	91	0.00
32 TMP Trichloroethene	10.000	9.499	5.0	104	0.00
33 TMP 1,2-Dichloropropane	10.000	8.698	13.0	94	0.00
34 TMP Bromodichloromethane	10.000	9.198	8.0	95	0.00
35 S Toluene-d8	10.000	10.014	-0.1	104	0.00
36 TMP Dibromomethane	10.000	8.970	10.3	96	0.00
37 TMP 4-Methyl-2-pentanone	50.000	53.743	-7.5	112	0.00
38 TMP cis-1,3-Dichloropropene	10.000	9.930	0.7	115	0.00
39 I Chlorobenzene-d5	10.000	10.000	0.0	115	0.00
40 TMP Toluene	10.000	9.078	9.2	101	0.00
41 TMP trans-1,3-Dichloropropene	10.000	10.427	-4.3	128	0.00
42 TMP 1,1,2-Trichloroethane	10.000	8.526	14.7	95	0.00
43 TMP 2-Hexanone	50.000	43.872	12.3	100	0.00
44 TMP 1,3-Dichloropropane	10.000	8.171	18.3	94	0.00

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS13\11-11-22\
 Data File : 111103.D
 Acq On : 11 Nov 2022 08:31 am
 Operator : WE
 Sample : 10 ppb 8260 CCV 66-177N
 Misc : soil/water
 ALS Vial : 1 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 11 11:58:44 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
45 TMP Tetrachloroethene	10.000	10.174	-1.7	113	0.00
46 TMP Dibromochloromethane	10.000	9.930	0.7	117	-0.01
47 TMP 1,2-Dibromoethane (EDB)	10.000	9.404	6.0	111	0.00
48 TMP Chlorobenzene	10.000	9.606	3.9	114	0.00
49 TMP Ethylbenzene	10.000	8.764	12.4	103	0.00
50 TMP 1,1,1,2-Tetrachloroethane	10.000	9.993	0.1	121	0.00
51 TMP m,p-Xylene	20.000	18.698	6.5	110	0.00
52 TMP o-Xylene	10.000	9.479	5.2	112	0.00
53 TMP Styrene	10.000	9.683	3.2	111	0.00
54 TMP Isopropylbenzene	10.000	9.801	2.0	112	0.00
55 TMP Bromoform	10.000	9.946	0.5	119	0.00
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	115	0.00
57 S 4-Bromofluorobenzene	10.000	9.583	4.2	110	0.00
58 TMP n-Propylbenzene	10.000	9.216	7.8	103	0.00
59 TMP Bromobenzene	10.000	9.840	1.6	114	0.00
60 TMP 1,3,5-Trimethylbenzene	10.000	10.070	-0.7	115	0.00
61 TMP 1,1,1,2-Tetrachloroethane	10.000	8.368	16.3	91	0.00
62 TMP 1,2,3-Trichloropropane	10.000	8.241	17.6	97	0.00
63 TMP 2-Chlorotoluene	10.000	8.986	10.1	102	0.00
64 TMP 4-Chlorotoluene	10.000	9.232	7.7	107	0.00
65 TMP tert-Butylbenzene	10.000	10.157	-1.6	120	0.00
66 TMP 1,2,4-Trimethylbenzene	10.000	10.007	-0.1	114	0.00
67 TMP sec-Butylbenzene	10.000	9.821	1.8	112	0.00
68 TMP p-Isopropyltoluene	10.000	10.138	-1.4	117	0.00
69 TMP 1,3-Dichlorobenzene	10.000	9.831	1.7	115	0.00
70 TMP 1,4-Dichlorobenzene	10.000	9.743	2.6	114	0.00
71 TMP 1,2-Dichlorobenzene	10.000	10.002	-0.0	114	0.00
72 TMP 1,2-Dibromo-3-chloropropane	10.000	9.274	7.3	110	0.00
73 TMP 1,2,4-Trichlorobenzene	10.000	10.021	-0.2	122	0.00
74 TMP Hexachlorobutadiene	10.000	9.466	5.3	113	0.00
75 TMP Naphthalene	10.000	10.706	-7.1	133	0.00
76 TMP 1,2,3-Trichlorobenzene	10.000	10.389	-3.9	125	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS13\11-11-22\
 Data File : 111103.D
 Acq On : 11 Nov 2022 08:31 am
 Operator : WE
 Sample : 10 ppb 8260 CCV 66-177N
 Misc : soil/water
 ALS Vial : 1 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 11 11:58:44 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 Qlast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I Fluorobenzene	1.000	1.000	0.0	106	-0.01
2 TMP Ethanol	0.000	0.000#	0.0	0#	-0.01
3 S Dibromofluoromethane	0.321	0.321	0.0	107	0.00
4 TMP Dichlorodifluoromethane	0.800	0.712	11.0	96	-0.01
5 TMP Chloromethane	0.488	0.379	22.3#	80	-0.01
6 TMP Vinyl chloride	0.510	0.418	18.0	89	-0.01
7 TMP Bromomethane	0.432	0.467	-8.1	102	0.00
8 TMP Chloroethane	0.229	0.221	3.5	100	-0.01
9 TMP Trichlorofluoromethane	1.123	1.050	6.5	102	0.03
10 TMP 2-Propanol	0.000	0.000	0.0	0#	-0.01
11 TMP Acetone	0.029	0.026	10.3	97	-0.01
12 TMP 1,1-Dichloroethene	0.285	0.258	9.5	98	0.00
13 TMP Hexane	0.323	0.229	29.1#	74	0.00
14 TMP Methylene chloride	0.289	0.284	1.7	99	0.00
15 TMP t-Butyl alcohol (TBA)	0.024	0.027#	-12.5	117	0.00
16 TMP Methyl t-butyl ether (MTBE)	0.666	0.707	-6.2	112	0.00
17 TMP trans-1,2-Dichloroethene	0.318	0.284	10.7	96	-0.01
18 TMP Diisopropyl ether (DIPE)	0.698	0.607	13.0	96	0.00
19 TMP 1,1-Dichloroethane	0.463	0.416	10.2	93	0.00
20 TMP Ethyl t-butyl ether (ETBE)	0.258	0.310	-20.2#	133	0.00
21 TMP 2,2-Dichloropropane	0.258	0.282	-9.3	132	-0.01
22 TMP cis-1,2-Dichloroethene	0.333	0.313	6.0	99	0.00
23 TMP Chloroform	0.539	0.489	9.3	98	0.00
24 TMP 2-Butanone (MEK)	0.132	0.121	8.3	97	0.00
25 TMP t-Amyl methyl ether (TAME)	0.540	0.625	-15.7	123	0.00
26 TMP 1,2-Dichloroethane (EDC)	0.465	0.380	18.3	95	-0.01
27 TMP 1,1,1-Trichloroethane	0.482	0.508	-5.4	114	0.00
28 TMP 1,1-Dichloropropene	0.370	0.331	10.5	96	0.00
29 TMP Carbon tetrachloride	0.485	0.496	-2.3	112	0.00
30 S 1,2-Dichloroethane-d4	0.062	0.058	6.5	95	0.00
31 TMP Benzene	1.118	0.935	16.4	91	0.00
32 TMP Trichloroethene	0.367	0.348	5.2	104	0.00
33 TMP 1,2-Dichloropropane	0.241	0.210	12.9	94	0.00
34 TMP Bromodichloromethane	0.387	0.356	8.0	95	0.00
35 S Toluene-d8	0.954	0.955	-0.1	104	0.00
36 TMP Dibromomethane	0.219	0.197	10.0	96	0.00
37 TMP 4-Methyl-2-pentanone	0.042	0.046	-9.5	112	0.00
38 TMP cis-1,3-Dichloropropene	0.360	0.358	0.6	115	0.00
39 I Chlorobenzene-d5	1.000	1.000	0.0	115	0.00
40 TMP Toluene	0.907	0.728	19.7	101	0.00
41 TMP trans-1,3-Dichloropropene	0.366	0.367	-0.3	128	0.00
42 TMP 1,1,2-Trichloroethane	0.285	0.221	22.5#	95	0.00
43 TMP 2-Hexanone	0.190	0.166	12.6	100	0.00
44 TMP 1,3-Dichloropropane	0.457	0.374	18.2	94	0.00

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS13\11-11-22\
 Data File : 111103.D
 Acq On : 11 Nov 2022 08:31 am
 Operator : WE
 Sample : 10 ppb 8260 CCV 66-177N
 Misc : soil/water
 ALS Vial : 1 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 11 11:58:44 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
45 TMP Tetrachloroethene	0.460	0.402	12.6	113	0.00
46 TMP Dibromochloromethane	0.451	0.427	5.3	117	-0.01
47 TMP 1,2-Dibromoethane (EDB)	0.360	0.338	6.1	111	0.00
48 TMP Chlorobenzene	0.993	0.954	3.9	114	0.00
49 TMP Ethylbenzene	1.557	1.364	12.4	103	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.387	0.386	0.3	121	0.00
51 TMP m,p-Xylene	0.612	0.572	6.5	110	0.00
52 TMP o-Xylene	0.591	0.560	5.2	112	0.00
53 TMP Styrene	0.887	0.859	3.2	111	0.00
54 TMP Isopropylbenzene	1.435	1.407	2.0	112	0.00
55 TMP Bromoform	0.299	0.297	0.7	119	0.00
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	115	0.00
57 S 4-Bromofluorobenzene	0.689	0.660	4.2	110	0.00
58 TMP n-Propylbenzene	2.700	2.488	7.9	103	0.00
59 TMP Bromobenzene	0.837	0.824	1.6	114	0.00
60 TMP 1,3,5-Trimethylbenzene	1.968	1.981	-0.7	115	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.626	0.490#	21.7#	91	0.00
62 TMP 1,2,3-Trichloropropane	0.486	0.401#	17.5	97	0.00
63 TMP 2-Chlorotoluene	1.617	1.453	10.1	102	0.00
64 TMP 4-Chlorotoluene	1.912	1.765	7.7	107	0.00
65 TMP tert-Butylbenzene	1.952	1.983	-1.6	120	0.00
66 TMP 1,2,4-Trimethylbenzene	1.996	1.998	-0.1	114	0.00
67 TMP sec-Butylbenzene	2.624	2.577	1.8	112	0.00
68 TMP p-Isopropyltoluene	2.387	2.420	-1.4	117	0.00
69 TMP 1,3-Dichlorobenzene	1.530	1.504	1.7	115	0.00
70 TMP 1,4-Dichlorobenzene	1.564	1.524	2.6	114	0.00
71 TMP 1,2-Dichlorobenzene	1.455	1.455	0.0	114	0.00
72 TMP 1,2-Dibromo-3-chloropropane	0.108	0.100	7.4	110	0.00
73 TMP 1,2,4-Trichlorobenzene	0.971	0.973	-0.2	122	0.00
74 TMP Hexachlorobutadiene	0.600	0.568	5.3	113	0.00
75 TMP Naphthalene	1.833	1.993	-8.7	133	0.00
76 TMP 1,2,3-Trichlorobenzene	0.846	0.879	-3.9	125	0.00

(#) = Out of Range

SPCC's out = 4 CCC's out = 0

Data Path : Y:\Proc_GCMS13\11-11-22\
 Data File : 111103.D
 Acq On : 11 Nov 2022 08:31 am
 Operator : WE
 Sample : 10 ppb 8260 CCV 66-177N
 Misc : soil/water
 ALS Vial : 1 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 11 11:58:44 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.734	96	110946	10.000	ppb	-0.01
39) Chlorobenzene-d5	7.405	117	100219	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.624	152	58879	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.175	113	35580	10.000	ppb	0.00
Spiked Amount	10.000	Range 50 - 150	Recovery	=	100.00%	
30) 1,2-Dichloroethane-d4	4.455	102	6485	9.405	ppb	0.00
Spiked Amount	10.000	Range 84 - 120	Recovery	=	94.10%	
35) Toluene-d8	6.105	98	105958	10.014	ppb	0.00
Spiked Amount	10.000	Range 73 - 128	Recovery	=	100.10%	
57) 4-Bromofluorobenzene	8.508	95	38879	9.583	ppb	0.00
Spiked Amount	10.000	Range 57 - 146	Recovery	=	95.80%	
Target Compounds						
2) Ethanol	2.321	45	334	No Calib		
4) Dichlorodifluoromethane	1.107	85	78990	8.899	ppb	98
5) Chloromethane	1.251	50	42021	7.759	ppb	88
6] Vinyl chloride	1.328	62	46423	8.209	ppb	92
7) Bromomethane	1.580	94	51846	10.817	ppb	98
8] Chloroethane	1.636	64	24523	9.666	ppb	98
9) Trichlorofluoromethane	1.858	101	116530	9.352	ppb	98
10) 2-Propanol	2.321	45	334	No Calib	#	
11) Acetone	2.321	58	14570	49.787	ppb	97
12] 1,1-Dichloroethene	2.274	96	28655	9.065	ppb	98
13) Hexane	3.156	57	25352	7.068	ppb	97
14) Methylene chloride	2.682	84	31491	9.405	ppb	97
15) t-Butyl alcohol (TBA)	2.816	59	14894	55.932	ppb	97
16] Methyl t-butyl ether (...)	2.934	73	78436	10.619	ppb	97
17] trans-1,2-Dichloroethene	2.914	96	31471	8.907	ppb	84
18) Diisopropyl ether (DIPE)	3.352	45	67314	8.695	ppb	98
19] 1,1-Dichloroethane	3.274	63	46119	8.970	ppb	98
20) Ethyl t-butyl ether (E...)	3.661	87	34366	12.024	ppb	91
21) 2,2-Dichloropropane	3.764	77	31244	11.673	ppb	97
22] cis-1,2-Dichloroethene	3.769	96	34707	9.390	ppb	93
23) Chloroform	4.040	83	54257	9.079	ppb	99
24) 2-Butanone (MEK)	3.795	43	66923	48.059	ppb	95
25) t-Amyl methyl ether (T...)	4.611	73	69298	11.558	ppb	91
26] 1,2-Dichloroethane (EDC)	4.515	62	42196	9.355	ppb	93
27] 1,1,1-Trichloroethane	4.191	97	56311	10.534	ppb	96
28) 1,1-Dichloropropene	4.331	75	36735	9.161	ppb	91
29) Carbon tetrachloride	4.331	117	55078	10.233	ppb	98
31] Benzene	4.504	78	103715	8.359	ppb	100
32] Trichloroethene	5.052	95	38629	9.499	ppb	# 66
33) 1,2-Dichloropropane	5.244	63	23251	8.698	ppb	95
34) Bromodichloromethane	5.481	83	39452	9.198	ppb	93
36) Dibromomethane	5.347	93	21840	8.970	ppb	# 68
37) 4-Methyl-2-pentanone	6.024	85	25296	53.743	ppb	84

Data Path : Y:\Proc_GCMS13\11-11-22\
 Data File : 111103.D
 Acq On : 11 Nov 2022 08:31 am
 Operator : WE
 Sample : 10 ppb 8260.CCV 66-177N
 Misc : soil/water
 ALS Vial : 1 Sample Multiplier: 1
 InstName : GCMS13

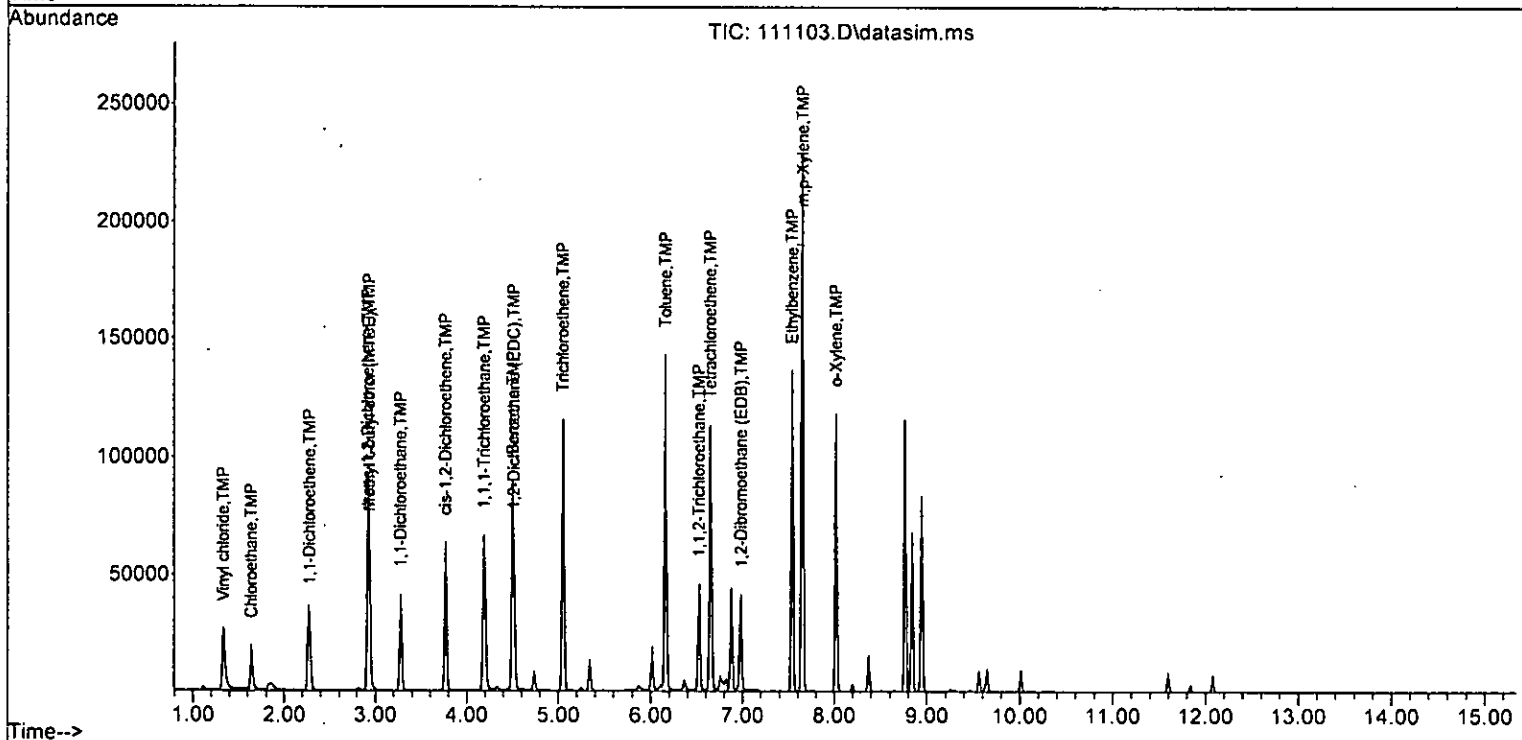
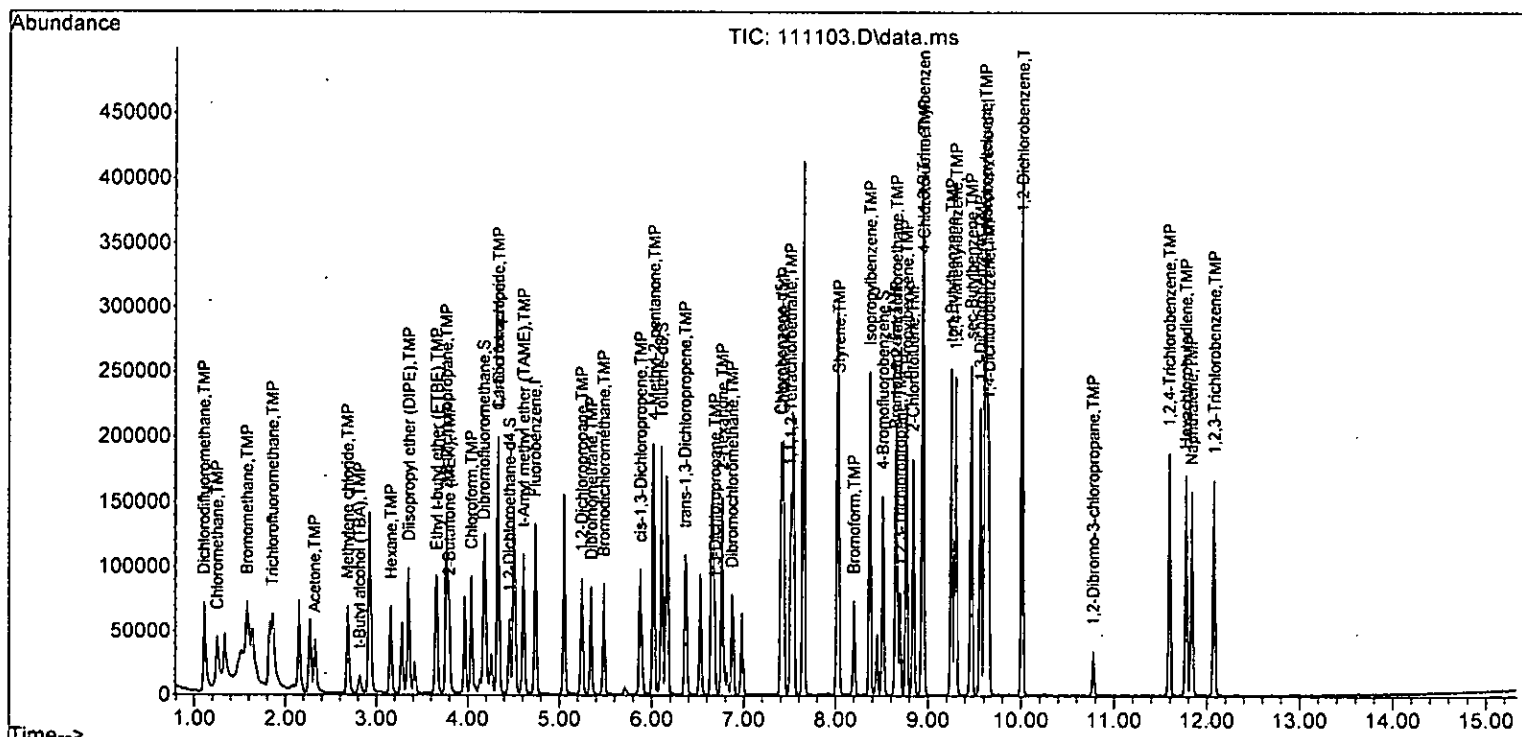
Quant Time: Nov 11 11:58:44 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
38) cis-1,3-Dichloropropene	5.876	75	39672	9.930	ppb	90
40] Toluene	6.164	92	72940	9.078	ppb	93
41) trans-1,3-Dichloropropene	6.360	75	36825	10.427	ppb	87
42] 1,1,2-Trichloroethane	6.527	83	22121	8.526	ppb	84
43) 2-Hexanone	6.764	43	83344	43.872	ppb	95
44) 1,3-Dichloropropane	6.683	76	37440	8.171	ppb	96
45] Tetrachloroethene	6.648	164	40271	10.174	ppb	95
46) Dibromochloromethane	6.871	129	42808	9.930	ppb	99
47] 1,2-Dibromoethane (EDB)	6.984	107	33884	9.404	ppb	97
48) Chlorobenzene	7.431	112	95591	9.606	ppb	92
49] Ethylbenzene	7.539	91	136748	8.764	ppb	90
50) 1,1,1,2-Tetrachloroethane	7.508	131	38715	9.993	ppb	97
51] m,p-Xylene	7.651	106	114645	18.698	ppb	# 80
52] o-Xylene	8.021	106	56120	9.479	ppb	# 79
53) Styrene	8.034	104	86100	9.683	ppb	93
54) Isopropylbenzene	8.370	105	140988	9.801	ppb	93
55) Bromoform	8.197	173	29804	9.946	ppb	97
58) n-Propylbenzene	8.766	91	146497	9.216	ppb	86
59) Bromobenzene	8.646	156	48518	9.840	ppb	# 85
60) 1,3,5-Trimethylbenzene	8.939	105	116665	10.070	ppb	92
61) 1,1,2,2-Tetrachloroethane	8.654	83	28827	8.368	ppb	96
62) 1,2,3-Trichloropropane	8.697	75	23592	8.241	ppb	89
63) 2-Chlorotoluene	8.835	91	85542	8.986	ppb	85
64) 4-Chlorotoluene	8.947	91	103934	9.232	ppb	79
65) tert-Butylbenzene	9.250	119	116732	10.157	ppb	89
66) 1,2,4-Trimethylbenzene	9.298	105	117625	10.007	ppb	89
67) sec-Butylbenzene	9.464	105	151720	9.821	ppb	89
68) p-Isopropyltoluene	9.610	119	142476	10.138	ppb	94
69) 1,3-Dichlorobenzene	9.561	146	88533	9.831	ppb	95
70) 1,4-Dichlorobenzene	9.651	146	89720	9.743	ppb	95
71) 1,2-Dichlorobenzene	10.012	146	85661	10.002	ppb	96
72) 1,2-Dibromo-3-chloropr...	10.774	75	5892	9.274	ppb	77
73) 1,2,4-Trichlorobenzene	11.592	180	57260	10.021	ppb	96
74) Hexachlorobutadiene	11.772	225	33426	9.466	ppb	98
75) Naphthalene	11.834	128	117328	10.706	ppb	100
76) 1,2,3-Trichlorobenzene	12.077	180	51747	10.389	ppb	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS13\11-11-22\
 Data File : 111103.D
 Acq On : 11 Nov 2022 08:31 am
 Operator : WE
 Sample : 10 ppb 8260 CCV 66-177N
 Misc : soil/water
 ALS Vial : 1 Sample Multiplier: 1
 InstName : GCMS13

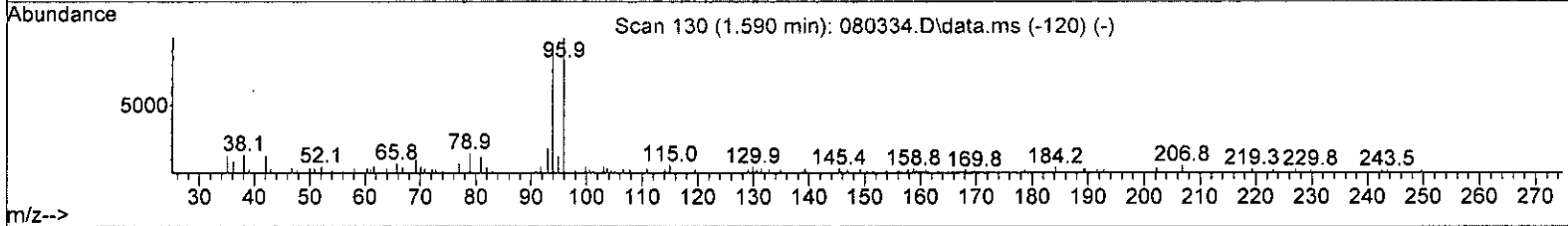
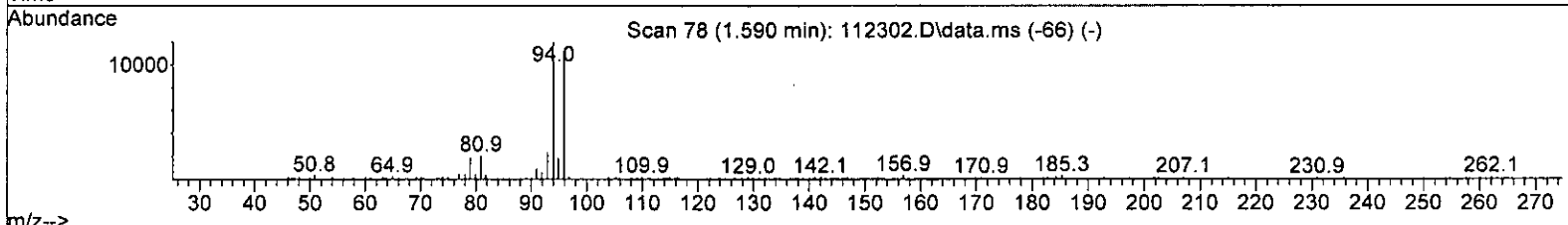
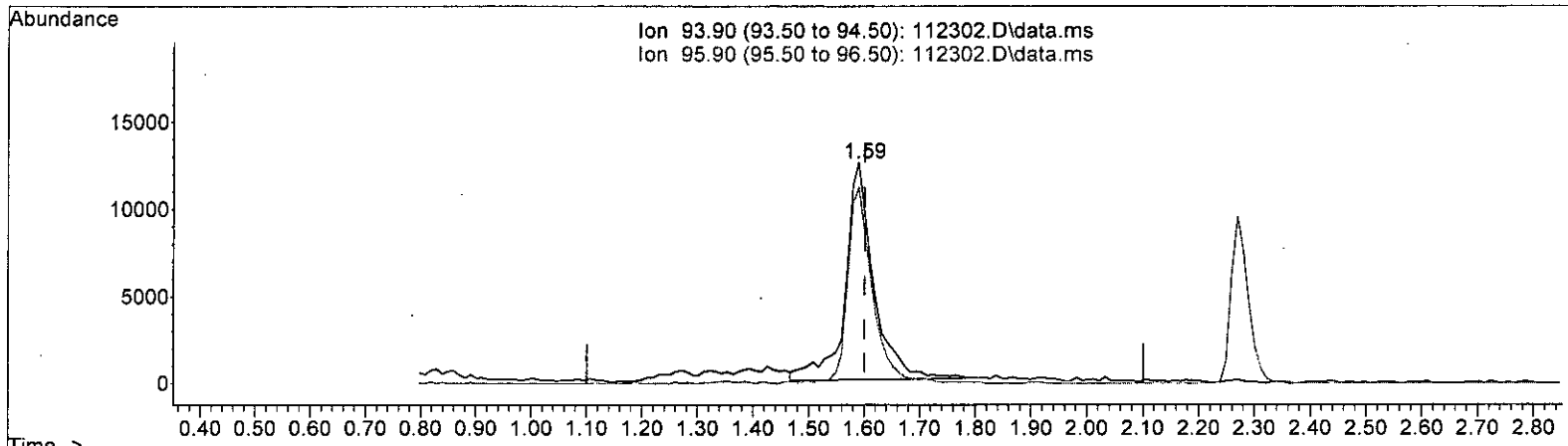
Quant Time: Nov 11 11:58:44 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : Y:\GCMS13\GCMS13_Data\11-23-22\
 Data File : 112302.D
 Acq On : 23 Nov 2022 11:29 am
 Operator : LM
 Sample : 10 ppb 8260 CCV 68-04N
 Misc : soil/water
 ALS Vial : 1 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 23 12:03:06 2022
 Quant Method : D:\Methods\Inst13\VB112222ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed Nov 23 09:07:37 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 112302.D\data.ms

(7) Bromomethane (TMP)

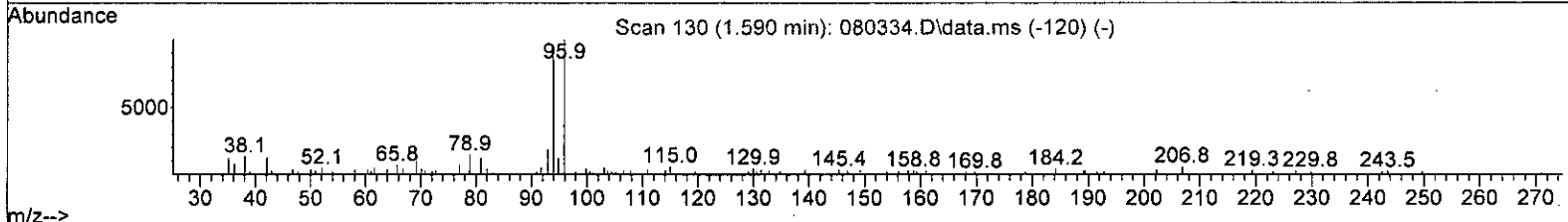
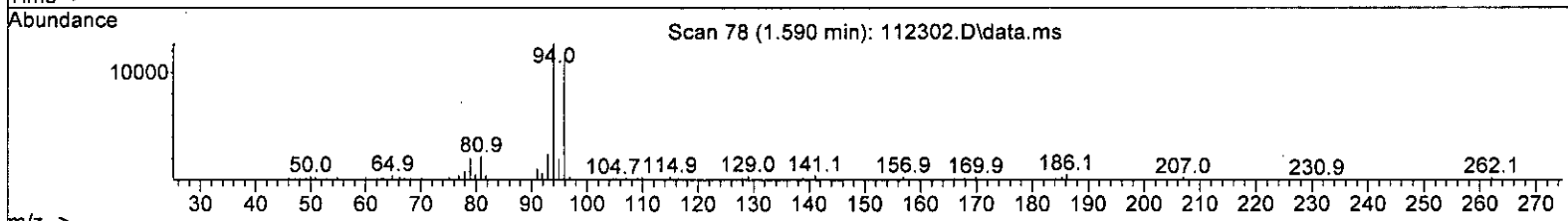
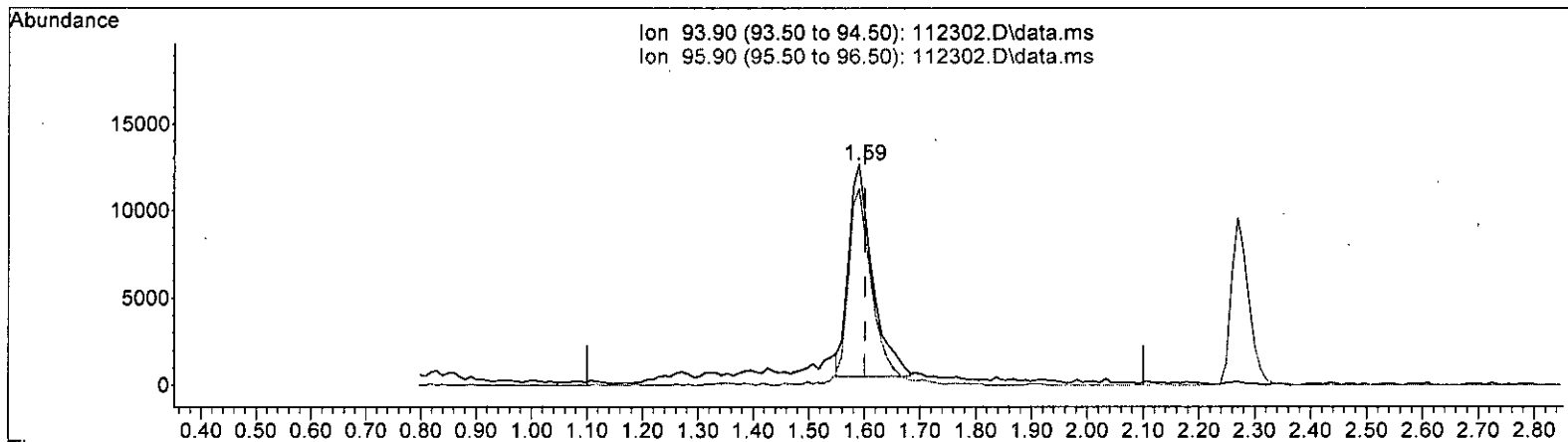
1.590min (-0.011) 12.846 ppb

response	44754
Ion	Exp% Act%
93.90	100.00 100.00
95.90	92.20 90.23
0.00	0.00 0.00
0.00	0.00 0.00

Quantitation Report (Qedit)

Data Path : Y:\GCMS13\GCMS13_Data\11-23-22\
 Data File : 112302.D
 Acq On : 23 Nov 2022 11:29 am
 Operator : LM
 Sample : 10 ppb 8260 CCV 68-04N
 Misc : soil/water
 ALS Vial : 1 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 23 12:03:06 2022
 Quant Method : D:\Methods\Inst13\VB112222ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed Nov 23 09:07:37 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 112302.D\data.ms

(7) Bromomethane (TMP)

1.590min (-0.011) 10.332 ppb m

response	35995
Ion	Exp% Act%
93.90	100.00 100.00
95.90	92.20 88.91
0.00	0.00 0.00
0.00	0.00 0.00

Data Path : Y:\GCMS13\GCMS13_Data\11-23-22\
 Data File : 112302.D
 Acq On : 23 Nov 2022 11:29 am
 Operator : LM
 Sample : 10 ppb 8260 CCV 68-04N
 Misc : soil/water
 ALS Vial : 1 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 23 12:03:06 2022
 Quant Method : D:\Methods\Inst13\VB112222ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed Nov 23 09:07:37 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	4.75	96	90988	10.000	ppb	0.00
39) Chlorobenzene-d5	7.40	117	90223	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	55869	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.17	113	31164	10.328	ppb	0.00
Spiked Amount	10.000	Range 50 - 150	Recovery	=	103.30%	
30) 1,2-Dichloroethane-d4	4.45	102	5834	10.428	ppb	0.00
Spiked Amount	10.000	Range 84 - 120	Recovery	=	104.30%	
35) Toluene-d8	6.11	98	90402	10.276	ppb	0.00
Spiked Amount	10.000	Range 73 - 128	Recovery	=	102.80%	
57) 4-Bromofluorobenzene	8.51	95	34613	9.753	ppb	0.00
Spiked Amount	10.000	Range 57 - 146	Recovery	=	97.50%	
Target Compounds						
2) Ethanol	2.32	45	198	No Calib		Qvalue
4) Dichlorodifluoromethane	1.12	85	56311	9.907	ppb	96
5) Chloromethane	1.25	50	32180	8.771	ppb	94
6] Vinyl chloride	1.34	62	37101	10.350	ppb	100
7) Bromomethane	1.59	94	35995m	10.332	ppb	
8] Chloroethane	1.65	64	19263	9.485	ppb	98
9) Trichlorofluoromethane	1.86	101	90447	9.389	ppb	87
10) 2-Propanol	2.32	45	198	No Calib		
11) Acetone	2.33	58	11534	48.601	ppb	99
12] 1,1-Dichloroethene	2.27	96	22981	10.038	ppb	94
13) Hexane	3.16	57	22715	9.250	ppb	95
14) Methylene chloride	2.68	84	22983	9.297	ppb	96
15) t-Butyl alcohol (TBA)	2.82	59	11260	47.235	ppb	96
16] Methyl t-butyl ether (...)	2.93	73	59196	9.688	ppb	96
17] trans-1,2-Dichloroethene	2.92	96	25352	9.596	ppb	90
18) Diisopropyl ether (DIPE)	3.35	45	48110	9.236	ppb	95
19] 1,1-Dichloroethane	3.27	63	33332	9.293	ppb	95
20) Ethyl t-butyl ether (E...)	3.66	87	26579	9.563	ppb	93
21) 2,2-Dichloropropane	3.76	77	28455	9.975	ppb	94
22] cis-1,2-Dichloroethene	3.77	96	28456	9.655	ppb	92
23) Chloroform	4.04	83	41394	9.336	ppb	99
24) 2-Butanone (MEK)	3.79	43	51001	46.442	ppb	98
25) t-Amyl methyl ether (T...)	4.61	73	51444	9.214	ppb	99
26] 1,2-Dichloroethane (EDC)	4.52	62	31779	9.252	ppb	95
27] 1,1,1-Trichloroethane	4.19	97	44941	9.500	ppb	95
28) 1,1-Dichloropropene	4.33	75	28103	9.151	ppb	95
29) Carbon tetrachloride	4.33	117	49444	9.894	ppb	93
31] Benzene	4.50	78	79433	9.251	ppb	97
32] Trichloroethene	5.05	95	28498	9.214	ppb	87
33) 1,2-Dichloropropane	5.24	63	16737	8.730	ppb	98
34) Bromodichloromethane	5.48	83	31277	9.209	ppb	95
36) Dibromomethane	5.34	93	17051	9.252	ppb	84

Data Path : Y:\GCMS13\GCMS13_Data\11-23-22\
 Data File : 112302.D
 Acq On : 23 Nov 2022 11:29 am
 Operator : LM
 Sample : 10 ppb 8260 CCV 68-04N
 Misc : soil/water
 ALS Vial : 1 Sample Multiplier: 1
 InstName : GCMS13

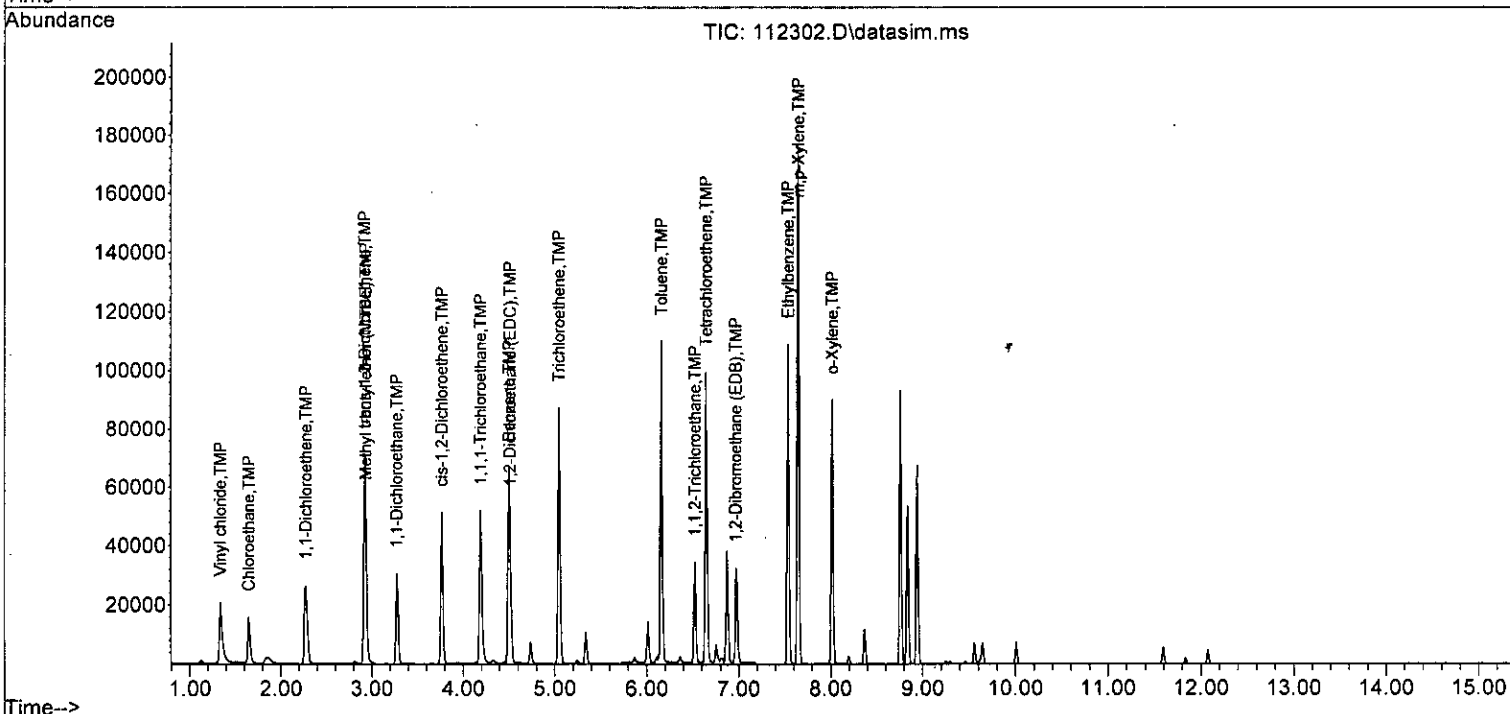
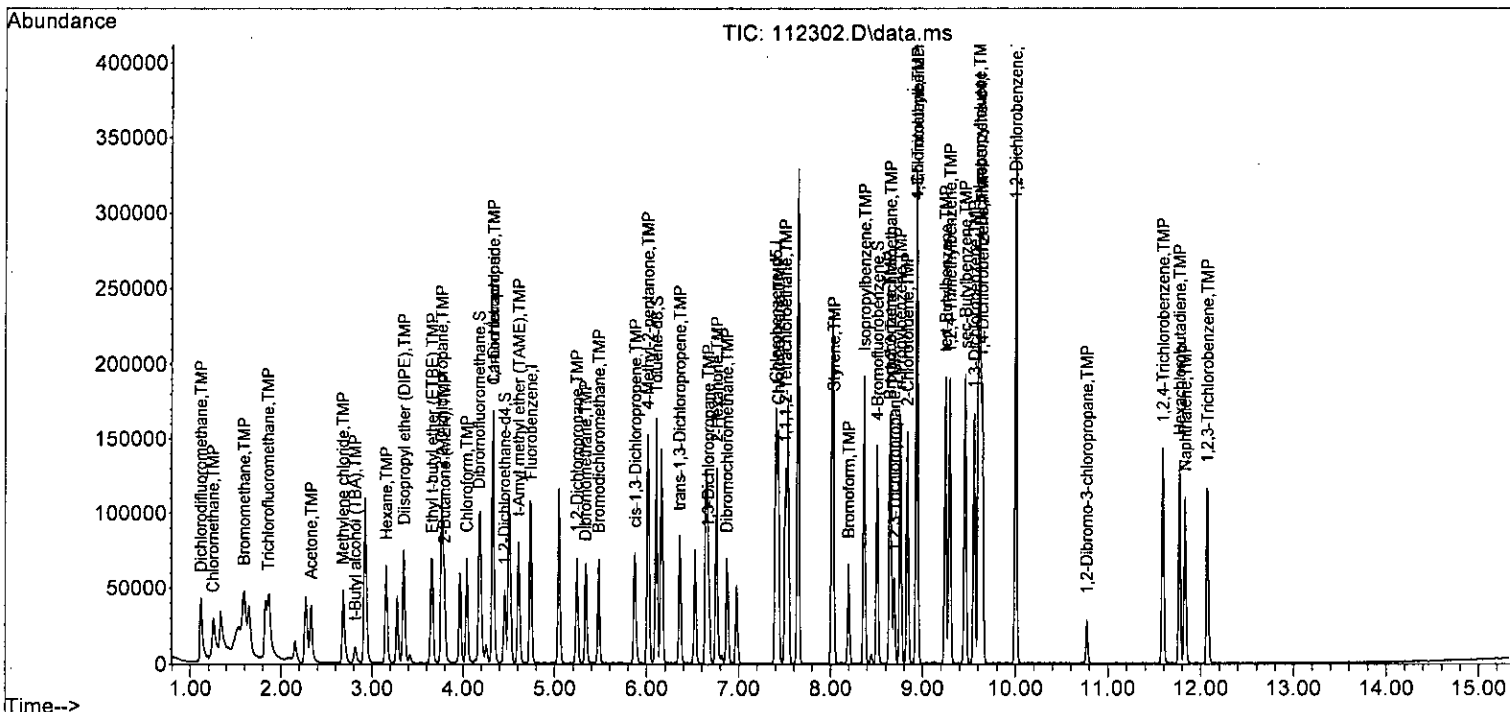
Quant Time: Nov 23 12:03:06 2022
 Quant Method : D:\Methods\Inst13\VB112222ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed Nov 23 09:07:37 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	6.01	85	19607	46.993	ppb	91
38) cis-1,3-Dichloropropene	5.88	75	32359	9.440	ppb	96
40] Toluene	6.16	92	57269	9.083	ppb	97
41) trans-1,3-Dichloropropene	6.36	75	30960	9.103	ppb	96
42] 1,1,2-Trichloroethane	6.53	83	17013	9.130	ppb	95
43) 2-Hexanone	6.76	43	72437	47.675	ppb	100
44) 1,3-Dichloropropane	6.67	76	27957	8.699	ppb	100
45] Tetrachloroethene	6.65	164	34496	9.196	ppb	97
46) Dibromochloromethane	6.87	129	37055	8.874	ppb	100
47] 1,2-Dibromoethane (EDB)	6.97	107	27596	8.895	ppb	91
48) Chlorobenzene	7.43	112	77559	9.052	ppb	100
49] Ethylbenzene	7.54	91	108009	9.227	ppb	97
50] 1,1,1,2-Tetrachloroethane	7.51	131	34172	8.955	ppb	99
51] m,p-Xylene	7.65	106	93282	18.389	ppb	95
52] o-Xylene	8.02	106	46025	9.113	ppb	95
53) Styrene	8.03	104	70364	9.065	ppb	98
54) Isopropylbenzene	8.37	105	109729	8.858	ppb	99
55) Bromoform	8.20	173	27321	9.277	ppb	97
58) n-Propylbenzene	8.76	91	115666	8.926	ppb	99
59) Bromobenzene	8.65	156	40766	8.649	ppb	96
60] 1,3,5-Trimethylbenzene	8.94	105	93697	8.811	ppb	99
61) 1,1,2,2-Tetrachloroethane	8.65	83	24522	9.697	ppb	97
62] 1,2,3-Trichloropropane	8.70	75	18394	8.893	ppb	98
63) 2-Chlorotoluene	8.84	91	66743	8.696	ppb	97
64) 4-Chlorotoluene	8.94	91	80703	8.870	ppb	89
65) tert-Butylbenzene	9.25	119	95712	8.820	ppb	97
66) 1,2,4-Trimethylbenzene	9.30	105	97982	8.928	ppb	99
67) sec-Butylbenzene	9.46	105	120487	8.761	ppb	100
68) p-Isopropyltoluene	9.61	119	117592	8.733	ppb	99
69) 1,3-Dichlorobenzene	9.56	146	72605	8.716	ppb	98
70] 1,4-Dichlorobenzene	9.64	146	72790	8.769	ppb	97
71) 1,2-Dichlorobenzene	10.01	146	68682	8.683	ppb	99
72) 1,2-Dibromo-3-chloropr...	10.77	75	4605	8.459	ppb	86
73) 1,2,4-Trichlorobenzene	11.59	180	46528	8.821	ppb	98
74) Hexachlorobutadiene	11.77	225	27132	8.601	ppb	97
75) Naphthalene	11.83	128	89834	8.713	ppb	98
76) 1,2,3-Trichlorobenzene	12.07	180	38765	8.631	ppb	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\GCMS13\GCMS13_Data\11-23-22\
 Data File : 112302.D
 Acq On : 23 Nov 2022 11:29 am
 Operator : LM
 Sample : 10 ppb 8260 CCV 68-04N
 Misc : soil/water
 ALS Vial : 1 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 23 12:03:06 2022
 Quant Method : D:\Methods\Inst13\VB112222ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed Nov 23 09:07:37 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



Evaluate Continuing Calibration Report

Data Path : Y:\GCMS13\GCMS13_Data\11-23-22\
 Data File : 112302.D
 Acq On : 23 Nov 2022 11:29 am
 Operator : LM
 Sample : 10 ppb 8260 CCV 68-04N
 Misc : soil/water
 ALS Vial : 1 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 23 12:03:06 2022
 Quant Method : D:\Methods\Inst13\VB112222ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed Nov 23 09:07:37 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I Fluorobenzene	10.000	10.000	0.0	102	0.00
2 TMP Ethanol	-1.000	0.000	0.0	101	-0.02
3 S Dibromofluoromethane	10.000	10.328	-3.3	100	0.00
4 TMP Dichlorodifluoromethane	10.000	9.907	0.9	102	0.00
5 TMP Chloromethane	10.000	8.771	12.3	88	-0.01
6 TMP Vinyl chloride	10.000	10.350	-3.5	99	0.00
7 TMP Bromomethane	10.000	10.332	-3.3	106	-0.01
8 TMP Chloroethane	10.000	9.485	5.2	97	-0.02
9 TMP Trichlorofluoromethane	10.000	9.389	6.1	96	-0.01
10 TMP 2-Propanol	-1.000	0.000	0.0	0	-0.02
11 TMP Acetone	50.000	48.601	2.8	95	0.00
12 TMP 1,1-Dichloroethene	10.000	10.038	-0.4	102	0.00
13 TMP Hexane	10.000	9.250	7.5	94	0.00
14 TMP Methylene chloride	10.000	9.297	7.0	95	-0.01
15 TMP t-Butyl alcohol (TBA)	50.000	47.235	5.5	87	0.00
16 TMP Methyl t-butyl ether (MTBE)	10.000	9.688	3.1	93	0.00
17 TMP trans-1,2-Dichloroethene	10.000	9.596	4.0	94	0.00
18 TMP Diisopropyl ether (DIPE)	10.000	9.236	7.6	91	0.00
19 TMP 1,1-Dichloroethane	10.000	9.293	7.1	92	-0.01
20 TMP Ethyl t-butyl ether (ETBE)	10.000	9.563	4.4	95	0.00
21 TMP 2,2-Dichloropropane	10.000	9.975	0.3	114	-0.01
22 TMP cis-1,2-Dichloroethene	10.000	9.655	3.5	97	0.00
23 TMP Chloroform	10.000	9.336	6.6	91	0.00
24 TMP 2-Butanone (MEK)	50.000	46.442	7.1	89	0.00
25 TMP t-Amyl methyl ether (TAME)	10.000	9.214	7.9	91	0.00
26 TMP 1,2-Dichloroethane (EDC)	10.000	9.252	7.5	92	-0.01
27 TMP 1,1,1-Trichloroethane	10.000	9.500	5.0	93	0.00
28 TMP 1,1-Dichloropropene	10.000	9.151	8.5	92	0.00
29 TMP Carbon tetrachloride	10.000	9.894	1.1	95	0.00
30 S 1,2-Dichloroethane-d4	10.000	10.428	-4.3	104	0.00
31 TMP Benzene	10.000	9.251	7.5	93	0.00
32 TMP Trichloroethene	10.000	9.214	7.9	89	0.00
33 TMP 1,2-Dichloropropane	10.000	8.730	12.7	92	0.00
34 TMP Bromodichloromethane	10.000	9.209	7.9	93	0.00
35 S Toluene-d8	10.000	10.276	-2.8	101	0.00
36 TMP Dibromomethane	10.000	9.252	7.5	94	-0.01
37 TMP 4-Methyl-2-pentanone	50.000	46.993	6.0	93	-0.01
38 TMP cis-1,3-Dichloropropene	10.000	9.440	5.6	95	0.00
39 I Chlorobenzene-d5	10.000	10.000	0.0	102	0.00
40 TMP Toluene	10.000	9.083	9.2	92	0.00
41 TMP trans-1,3-Dichloropropene	10.000	9.103	9.0	96	0.00
42 TMP 1,1,2-Trichloroethane	10.000	9.130	8.7	92	0.00
43 TMP 2-Hexanone	50.000	47.675	4.7	95	0.00

Evaluate Continuing Calibration Report

Data Path : Y:\GCMS13\GCMS13_Data\11-23-22\
 Data File : 112302.D
 Acq On : 23 Nov 2022 11:29 am
 Operator : LM
 Sample : 10 ppb 8260 CCV 68-04N
 Misc : soil/water
 ALS Vial : 1 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 23 12:03:06 2022
 Quant Method : D:\Methods\Inst13\VB112222ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed Nov 23 09:07:37 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	10.000	8.699	13.0	90	-0.01
45 TMP Tetrachloroethene	10.000	9.196	8.0	93	0.00
46 TMP Dibromochloromethane	10.000	8.874	11.3	94	-0.01
47 TMP 1,2-Dibromoethane (EDB)	10.000	8.895	11.1	93	-0.01
48 TMP Chlorobenzene	10.000	9.052	9.5	93	0.00
49 TMP Ethylbenzene	10.000	9.227	7.7	92	0.00
50 TMP 1,1,1,2-Tetrachloroethane	10.000	8.955	10.4	91	0.00
51 TMP m,p-Xylene	20.000	18.389	8.1	92	0.00
52 TMP o-Xylene	10.000	9.113	8.9	92	0.00
53 TMP Styrene	10.000	9.065	9.4	92	0.00
54 TMP Isopropylbenzene	10.000	8.858	11.4	91	0.00
55 TMP Bromoform	10.000	9.277	7.2	97	0.00
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	104	0.00
57 S 4-Bromofluorobenzene	10.000	9.753	2.5	102	0.00
58 TMP n-Propylbenzene	10.000	8.926	10.7	91	0.00
59 TMP Bromobenzene	10.000	8.649	13.5	94	0.00
60 TMP 1,3,5-Trimethylbenzene	10.000	8.811	11.9	93	0.00
61 TMP 1,1,2,2-Tetrachloroethane	10.000	9.697	3.0	96	0.00
62 TMP 1,2,3-Trichloropropane	10.000	8.893	11.1	95	0.00
63 TMP 2-Chlorotoluene	10.000	8.696	13.0	89	0.00
64 TMP 4-Chlorotoluene	10.000	8.870	11.3	93	0.00
65 TMP tert-Butylbenzene	10.000	8.820	11.8	93	0.00
66 TMP 1,2,4-Trimethylbenzene	10.000	8.928	10.7	93	0.00
67 TMP sec-Butylbenzene	10.000	8.761	12.4	91	0.00
68 TMP p-Isopropyltoluene	10.000	8.733	12.7	92	0.00
69 TMP 1,3-Dichlorobenzene	10.000	8.716	12.8	92	0.00
70 TMP 1,4-Dichlorobenzene	10.000	8.769	12.3	94	0.00
71 TMP 1,2-Dichlorobenzene	10.000	8.683	13.2	91	0.00
72 TMP 1,2-Dibromo-3-chloropropane	10.000	8.459	15.4	91	0.00
73 TMP 1,2,4-Trichlorobenzene	10.000	8.821	11.8	92	0.00
74 TMP Hexachlorobutadiene	10.000	8.601	14.0	91	0.00
75 TMP Naphthalene	10.000	8.713	12.9	96	0.00
76 TMP 1,2,3-Trichlorobenzene	10.000	8.631	13.7	95	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : Y:\GCMS13\GCMS13_Data\11-23-22\
 Data File : 112302.D
 Acq On : 23 Nov 2022 11:29 am
 Operator : LM
 Sample : 10 ppb 8260 CCV 68-04N
 Misc : soil/water
 ALS Vial : 1 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 23 12:03:06 2022
 Quant Method : D:\Methods\Inst13\VB112222ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed Nov 23 09:07:37 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	1.000	1.000	0.0	102	0.00
2 TMP	Ethanol	0.000	0.000#	0.0	101	-0.02
3 S	Dibromofluoromethane	0.332	0.343	-3.3	100	0.00
4 TMP	Dichlorodifluoromethane	0.625	0.619	1.0	102	0.00
5 TMP	Chloromethane	0.403	0.354	12.2	88	-0.01
6 TMP	Vinyl chloride	0.394	0.408	-3.6	99	0.00
7 TMP	Bromomethane	0.383	0.396	-3.4	106	-0.01
8 TMP	Chloroethane	0.223	0.212	4.9	97	-0.02
9 TMP	Trichlorofluoromethane	1.059	0.994	6.1	96	-0.01
10 TMP	2-Propanol	0.000	0.000	0.0	0#	-0.02
11 TMP	Acetone	0.025	0.025	0.0	95	0.00
12 TMP	1,1-Dichloroethene	0.252	0.253	-0.4	102	0.00
13 TMP	Hexane	0.270	0.250	7.4	94	0.00
14 TMP	Methylene chloride	0.298	0.253	15.1	95	-0.01
15 TMP	t-Butyl alcohol (TBA)	0.026	0.025#	3.8	87	0.00
16 TMP	Methyl t-butyl ether (MTBE)	0.672	0.651	3.1	93	0.00
17 TMP	trans-1,2-Dichloroethene	0.290	0.279	3.8	94	0.00
18 TMP	Diisopropyl ether (DIPE)	0.572	0.529	7.5	91	0.00
19 TMP	1,1-Dichloroethane	0.394	0.366	7.1	92	-0.01
20 TMP	Ethyl t-butyl ether (ETBE)	0.305	0.292	4.3	95	0.00
21 TMP	2,2-Dichloropropane	0.319	0.313	1.9	114	-0.01
22 TMP	cis-1,2-Dichloroethene	0.324	0.313	3.4	97	0.00
23 TMP	Chloroform	0.487	0.455	6.6	91	0.00
24 TMP	2-Butanone (MEK)	0.120	0.112	6.7	89	0.00
25 TMP	t-Amyl methyl ether (TAME)	0.614	0.565	8.0	91	0.00
26 TMP	1,2-Dichloroethane (EDC)	0.412	0.349	15.3	92	-0.01
27 TMP	1,1,1-Trichloroethane	0.520	0.494	5.0	93	0.00
28 TMP	1,1-Dichloropropane	0.338	0.309	8.6	92	0.00
29 TMP	Carbon tetrachloride	0.549	0.543	1.1	95	0.00
30 S	1,2-Dichloroethane-d4	0.061	0.064	-4.9	104	0.00
31 TMP	Benzene	0.944	0.873	7.5	93	0.00
32 TMP	Trichloroethene	0.354	0.313	11.6	89	0.00
33 TMP	1,2-Dichloropropane	0.211	0.184	12.8	92	0.00
34 TMP	Bromodichloromethane	0.373	0.344	7.8	93	0.00
35 S	Toluene-d8	0.967	0.994	-2.8	101	0.00
36 TMP	Dibromomethane	0.203	0.187	7.9	94	-0.01
37 TMP	4-Methyl-2-pentanone	0.046	0.043	6.5	93	-0.01
38 TMP	cis-1,3-Dichloropropene	0.377	0.356	5.6	95	0.00
39 I	Chlorobenzene-d5	1.000	1.000	0.0	102	0.00
40 TMP	Toluene	0.750	0.635	15.3	92	0.00
41 TMP	trans-1,3-Dichloropropene	0.377	0.343	9.0	96	0.00
42 TMP	1,1,2-Trichloroethane	0.221	0.189	14.5	92	0.00
43 TMP	2-Hexanone	0.168	0.161	4.2	95	0.00

Evaluate Continuing Calibration Report

Data Path : Y:\GCMS13\GCMS13_Data\11-23-22\
 Data File : 112302.D
 Acq On : 23 Nov 2022 11:29 am
 Operator : LM
 Sample : 10 ppb 8260 CCV 68-04N
 Misc : soil/water
 ALS Vial : 1 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 23 12:03:06 2022
 Quant Method : D:\Methods\Inst13\VB112222ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed Nov 23 09:07:37 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.356	0.310	12.9	90	-0.01
45 TMP Tetrachloroethene	0.462	0.382	17.3	93	0.00
46 TMP Dibromochloromethane	0.463	0.411	11.2	94	-0.01
47 TMP 1,2-Dibromoethane (EDB)	0.344	0.306	11.0	93	-0.01
48 TMP Chlorobenzene	0.950	0.860	9.5	93	0.00
49 TMP Ethylbenzene	1.361	1.197	12.0	92	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.423	0.379	10.4	91	0.00
51 TMP m,p-Xylene	0.593	0.517	12.8	92	0.00
52 TMP o-Xylene	0.590	0.510	13.6	92	0.00
53 TMP Styrene	0.860	0.780	9.3	92	0.00
54 TMP Isopropylbenzene	1.373	1.216	11.4	91	0.00
55 TMP Bromoform	0.326	0.303	7.1	97	0.00
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	104	0.00
57 S 4-Bromofluorobenzene	0.635	0.620	2.4	102	0.00
58 TMP n-Propylbenzene	2.319	2.070	10.7	91	0.00
59 TMP Bromobenzene	0.844	0.730	13.5	94	0.00
60 TMP 1,3,5-Trimethylbenzene	1.903	1.677	11.9	93	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.473	0.439#	7.2	96	0.00
62 TMP 1,2,3-Trichloropropane	0.370	0.329#	11.1	95	0.00
63 TMP 2-Chlorotoluene	1.374	1.195	13.0	89	0.00
64 TMP 4-Chlorotoluene	1.629	1.445	11.3	93	0.00
65 TMP tert-Butylbenzene	1.942	1.713	11.8	93	0.00
66 TMP 1,2,4-Trimethylbenzene	1.964	1.754	10.7	93	0.00
67 TMP sec-Butylbenzene	2.462	2.157	12.4	91	0.00
68 TMP p-Isopropyltoluene	2.410	2.105	12.7	92	0.00
69 TMP 1,3-Dichlorobenzene	1.491	1.300	12.8	92	0.00
70 TMP 1,4-Dichlorobenzene	1.486	1.303	12.3	94	0.00
71 TMP 1,2-Dichlorobenzene	1.416	1.229	13.2	91	0.00
72 TMP 1,2-Dibromo-3-chloropropane	0.097	0.082	15.5	91	0.00
73 TMP 1,2,4-Trichlorobenzene	0.944	0.833	11.8	92	0.00
74 TMP Hexachlorobutadiene	0.565	0.486	14.0	91	0.00
75 TMP Naphthalene	1.846	1.608	12.9	96	0.00
76 TMP 1,2,3-Trichlorobenzene	0.804	0.694	13.7	95	0.00

(#) = Out of Range

SPCC's out = 4 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : X:\GCMS11\GCMS11_Data\11-23-22\
 Data File : 112303.D
 Acq On : 23 Nov 2022 06:03 am
 Operator : LM
 Sample : 10 ppb 8260 CCV 67-150N
 Misc : soil/water
 ALS Vial : 1 Sample Multiplier: 1
 InstName : GCMS11

OTEXN + SHORT LIST

11/23 JLM

Quant Time: Nov 23 09:14:11 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 14:08:49 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I Fluorobenzene	10.000	10.000	0.0	64	0.00
2 TMP Ethanol	-1.000	0.000	0.0	0	-1.86#
3 S Dibromofluoromethane	10.000	9.336	6.6	60	0.00
4 TMP Dichlorodifluoromethane	10.000	7.188	28.1#	45	0.00
5 TMP Chloromethane	10.000	6.339	36.6#	42	0.00
6 TMP Vinyl chloride	10.000	7.188	28.1#	46	0.00
7 TMP Bromomethane	10.000	8.489	15.1	55	0.02
8 TMP Chloroethane	10.000	7.072	29.3#	45	0.00
9 TMP Trichlorofluoromethane	10.000	3.082	69.2#	20	0.00
10 TMP 2-Propanol	-1.000	0.000	0.0	0	-0.03
11 TMP Acetone	50.000	49.590	0.8	64	0.00
12 TMP 1,1-Dichloroethene	10.000	9.098	9.0	59	0.00
13 TMP Hexane	10.000	7.204	28.0#	46	0.00
14 TMP Methylene chloride	10.000	8.286	17.1	57	0.00
15 TMP t-Butyl alcohol (TBA)	50.000	51.289	-2.6	68	0.02
16 TMP Methyl t-butyl ether (MTBE)	10.000	9.812	1.9	61	0.00
17 TMP trans-1,2-Dichloroethene	10.000	9.082	9.2	59	0.00
18 TMP Diisopropyl ether (DIPE)	10.000	7.477	25.2#	44	0.00
19 TMP 1,1-Dichloroethane	10.000	8.145	18.6	51	0.00
20 TMP Ethyl t-butyl ether (ETBE)	10.000	9.758	2.4	63	0.00
21 TMP 2,2-Dichloropropane	10.000	7.979	20.2#	53	0.00
22 TMP cis-1,2-Dichloroethene	10.000	9.198	8.0	59	0.00
23 TMP Chloroform	10.000	8.399	16.0	56	0.00
24 TMP 2-Butanone (MEK)	50.000	45.200	9.6	57	0.00
25 TMP t-Amyl methyl ether (TAME)	10.000	9.617	3.8	62	0.00
26 TMP 1,2-Dichloroethane (EDC)	10.000	8.721	12.8	57	0.00
27 TMP 1,1,1-Trichloroethane	10.000	9.218	7.8	59	0.00
28 TMP 1,1-Dichloropropene	10.000	8.967	10.3	58	0.00
29 TMP Carbon tetrachloride	10.000	9.259	7.4	59	0.00
30 S 1,2-Dichloroethane-d4	10.000	9.683	3.2	61	0.00
31 TMP Benzene	10.000	9.319	6.8	57	0.00
32 TMP Trichloroethene	10.000	9.127	8.7	61	0.00
33 TMP 1,2-Dichloropropane	10.000	9.102	9.0	57	0.00
34 TMP Bromodichloromethane	10.000	9.743	2.6	62	0.00
35 S Toluene-d8	10.000	10.534	-5.3	65	0.00
36 TMP Dibromomethane	10.000	9.977	0.2	62	0.00
37 TMP 4-Methyl-2-pentanone	50.000	53.260	-6.5	68	0.00
38 TMP cis-1,3-Dichloropropene	10.000	10.202	-2.0	69	0.00
39 I Chlorobenzene-d5	10.000	10.000	0.0	70	0.00
40 TMP Toluene	10.000	8.967	10.3	64	0.00
41 TMP trans-1,3-Dichloropropene	10.000	10.390	-3.9	71	0.00
42 TMP 1,1,2-Trichloroethane	10.000	10.417	-4.2	68	0.00
43 TMP 2-Hexanone	50.000	47.683	4.6	62	0.00

Evaluate Continuing Calibration Report

Data Path : X:\GCMS11\GCMS11_Data\11-23-22\
 Data File : 112303.D
 Acq On : 23 Nov 2022 06:03 am
 Operator : LM
 Sample : 10 ppb 8260 CCV 67-150N
 Misc : soil/water
 ALS Vial : 1 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 23 09:14:11 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 14:08:49 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	10.000	10.080	-0.8	68	0.00
45 TMP Tetrachloroethene	10.000	9.680	3.2	65	0.00
46 TMP Dibromochloromethane	10.000	10.684	-6.8	76	0.00
47 TMP 1,2-Dibromoethane (EDB)	10.000	9.836	1.6	69	0.00
48 TMP Chlorobenzene	10.000	9.570	4.3	66	0.00
49 TMP Ethylbenzene	10.000	8.942	10.6	64	0.00
50 TMP 1,1,1,2-Tetrachloroethane	10.000	9.729	2.7	69	0.00
51 TMP m,p-Xylene	20.000	18.069	9.7	65	0.00
52 TMP o-Xylene	10.000	9.140	8.6	66	0.00
53 TMP Styrene	10.000	9.818	1.8	68	0.00
54 TMP Isopropylbenzene	10.000	8.686	13.1	61	0.00
55 TMP Bromoform	10.000	10.759	-7.6	79	0.00
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	69	0.00
57 S 4-Bromofluorobenzene	10.000	9.719	2.8	68	0.00
58 TMP n-Propylbenzene	10.000	9.074	9.3	61	0.00
59 TMP Bromobenzene	10.000	10.316	-3.2	70	0.00
60 TMP 1,3,5-Trimethylbenzene	10.000	9.245	7.6	63	0.00
61 TMP 1,1,2,2-Tetrachloroethane	10.000	9.391	6.1	65	0.00
62 TMP 1,2,3-Trichloropropane	10.000	9.005	9.9	62	0.00
63 TMP 2-Chlorotoluene	10.000	9.002	10.0	62	0.00
64 TMP 4-Chlorotoluene	10.000	9.453	5.5	61	0.00
65 TMP tert-Butylbenzene	10.000	9.376	6.2	65	0.00
66 TMP 1,2,4-Trimethylbenzene	10.000	9.435	5.6	65	0.00
67 TMP sec-Butylbenzene	10.000	8.877	11.2	60	0.00
68 TMP p-Isopropyltoluene	10.000	9.302	7.0	65	0.00
69 TMP 1,3-Dichlorobenzene	10.000	9.692	3.1	66	0.00
70 TMP 1,4-Dichlorobenzene	10.000	9.446	5.5	66	0.00
71 TMP 1,2-Dichlorobenzene	10.000	9.253	7.5	64	0.00
72 TMP 1,2-Dibromo-3-chloropropane	10.000	9.108	8.9	65	0.00
73 TMP 1,2,4-Trichlorobenzene	10.000	8.990	10.1	65	0.00
74 TMP Hexachlorobutadiene	10.000	8.513	14.9	62	0.00
75 TMP Naphthalene	10.000	8.490	15.1	62	0.00
76 TMP 1,2,3-Trichlorobenzene	10.000	8.609	13.9	61	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : X:\GCMS11\GCMS11_Data\11-23-22\
 Data File : 112303.D
 Acq On : 23 Nov 2022 06:03 am
 Operator : LM
 Sample : 10 ppb 8260 CCV 67-150N
 Misc : soil/water
 ALS Vial : 1 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 23 09:14:11 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 14:08:49 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I Fluorobenzene	1.000	1.000	0.0	64	0.00
2 TMP Ethanol	0.000	0.000#	0.0	0#	-1.86#
3 S Dibromofluoromethane	0.283	0.264	6.7	60	0.00
4 TMP Dichlorodifluoromethane	0.771	0.554	28.1#	45#	0.00
5 TMP Chloromethane	0.937	0.594	36.6#	42#	0.00
6 TMP Vinyl chloride	0.838	0.602	28.2#	46#	0.00
7 TMP Bromomethane	0.490	0.416	15.1	55	0.02
8 TMP Chloroethane	0.420	0.297	29.3#	45#	0.00
9 TMP Trichlorofluoromethane	0.910	0.281	69.1#	20#	0.00
10 TMP 2-Propanol	0.000	0.000	0.0	0#	-0.03
11 TMP Acetone	0.046	0.046	0.0	64	0.00
12 TMP 1,1-Dichloroethene	0.262	0.238	9.2	59	0.00
13 TMP Hexane	0.408	0.294	27.9#	46#	0.00
14 TMP Methylene chloride	0.307	0.295	3.9	57	0.00
15 TMP t-Butyl alcohol (TBA)	0.034	0.035	-2.9	68	0.02
16 TMP Methyl t-butyl ether (MTBE)	0.698	0.685	1.9	61	0.00
17 TMP trans-1,2-Dichloroethene	0.296	0.269	9.1	59	0.00
18 TMP Diisopropyl ether (DIPE)	0.862	0.644	25.3#	44#	0.00
19 TMP 1,1-Dichloroethane	0.527	0.429	18.6	51	0.00
20 TMP Ethyl t-butyl ether (ETBE)	0.290	0.283	2.4	63	0.00
21 TMP 2,2-Dichloropropane	0.356	0.284	20.2#	53	0.00
22 TMP cis-1,2-Dichloroethene	0.316	0.290	8.2	59	0.00
23 TMP Chloroform	0.496	0.417	15.9	56	0.00
24 TMP 2-Butanone (MEK)	0.170	0.154	9.4	57	0.00
25 TMP t-Amyl methyl ether (TAME)	0.673	0.647	3.9	62	0.00
26 TMP 1,2-Dichloroethane (EDC)	0.375	0.327	12.8	57	0.00
27 TMP 1,1,1-Trichloroethane	0.428	0.395	7.7	59	0.00
28 TMP 1,1-Dichloropropene	0.346	0.311	10.1	58	0.00
29 TMP Carbon tetrachloride	0.372	0.344	7.5	59	0.00
30 S 1,2-Dichloroethane-d4	0.063	0.061	3.2	61	0.00
31 TMP Benzene	1.078	0.945	12.3	57	0.00
32 TMP Trichloroethene	0.311	0.284	8.7	61	0.00
33 TMP 1,2-Dichloropropane	0.266	0.242	9.0	57	0.00
34 TMP Bromodichloromethane	0.319	0.311	2.5	62	0.00
35 S Toluene-d8	0.888	0.935	-5.3	65	0.00
36 TMP Dibromomethane	0.162	0.162	0.0	62	0.00
37 TMP 4-Methyl-2-pentanone	0.045	0.048	-6.7	68	0.00
38 TMP cis-1,3-Dichloropropene	0.364	0.371	-1.9	69	0.00
39 I Chlorobenzene-d5	1.000	1.000	0.0	70	0.00
40 TMP Toluene	0.869	0.779	10.4	64	0.00
41 TMP trans-1,3-Dichloropropene	0.405	0.421	-4.0	71	0.00
42 TMP 1,1,2-Trichloroethane	0.260	0.246	5.4	68	0.00
43 TMP 2-Hexanone	0.268	0.256	4.5	62	0.00

Evaluate Continuing Calibration Report

Data Path : X:\GCMS11\GCMS11_Data\11-23-22\
 Data File : 112303.D
 Acq On : 23 Nov 2022 06:03 am
 Operator : LM
 Sample : 10 ppb 8260 CCV 67-150N
 Misc : soil/water
 ALS Vial : 1 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 23 09:14:11 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 14:08:49 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.430	0.433	-0.7	68	0.00
45 TMP Tetrachloroethene	0.406	0.335	17.5	65	0.00
46 TMP Dibromochloromethane	0.344	0.368	-7.0	76	0.00
47 TMP 1,2-Dibromoethane (EDB)	0.317	0.312	1.6	69	0.00
48 TMP Chlorobenzene	0.922	0.883	4.2	66	0.00
49 TMP Ethylbenzene	1.605	1.435	10.6	64	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.356	0.346	2.8	69	0.00
51 TMP m,p-Xylene	0.626	0.566	9.6	65	0.00
52 TMP o-Xylene	0.622	0.569	8.5	66	0.00
53 TMP Styrene	0.907	0.890	1.9	68	0.00
54 TMP Isopropylbenzene	1.561	1.356	13.1	61	0.00
55 TMP Bromoform	0.258	0.277	-7.4	79	0.00
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	69	0.00
57 S 4-Bromofluorobenzene	0.748	0.727	2.8	68	0.00
58 TMP n-Propylbenzene	3.027	2.747	9.3	61	0.00
59 TMP Bromobenzene	0.740	0.764	-3.2	70	0.00
60 TMP 1,3,5-Trimethylbenzene	2.224	2.056	7.6	63	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.717	0.673	6.1	65	0.00
62 TMP 1,2,3-Trichloropropane	0.549	0.495#	9.8	62	0.00
63 TMP 2-Chlorotoluene	1.828	1.646	10.0	62	0.00
64 TMP 4-Chlorotoluene	1.994	1.885	5.5	61	0.00
65 TMP tert-Butylbenzene	1.953	1.831	6.2	65	0.00
66 TMP 1,2,4-Trimethylbenzene	2.250	2.122	5.7	65	0.00
67 TMP sec-Butylbenzene	2.892	2.567	11.2	60	0.00
68 TMP p-Isopropyltoluene	2.502	2.327	7.0	65	0.00
69 TMP 1,3-Dichlorobenzene	1.434	1.390	3.1	66	0.00
70 TMP 1,4-Dichlorobenzene	1.430	1.351	5.5	66	0.00
71 TMP 1,2-Dichlorobenzene	1.428	1.322	7.4	64	0.00
72 TMP 1,2-Dibromo-3-chloropropane	0.145	0.132	9.0	65	0.00
73 TMP 1,2,4-Trichlorobenzene	1.063	0.956	10.1	65	0.00
74 TMP Hexachlorobutadiene	0.623	0.530	14.9	62	0.00
75 TMP Naphthalene	2.362	2.006	15.1	62	0.00
76 TMP 1,2,3-Trichlorobenzene	0.987	0.850	13.9	61	0.00

(#) = Out of Range

SPCC's out = 2 CCC's out = 0

Data Path : X:\GCMS11\GCMS11_Data\11-23-22\
 Data File : 112303.D
 Acq On : 23 Nov 2022 06:03 am
 Operator : LM
 Sample : 10 ppb 8260 CCV 67-150N
 Misc : soil/water
 ALS Vial : 1 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 23 09:14:11 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 14:08:49 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	4.63	96	37237	10.000	ppb	0.00
39) Chlorobenzene-d5	7.27	117	30273	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	17281	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.08	113	9844	9.336	ppb	0.00
Spiked Amount	10.000	Range 50 - 150	Recovery	=	93.40%	
30) 1,2-Dichloroethane-d4	4.36	102	2272	9.683	ppb	0.00
Spiked Amount	10.000	Range 79 - 128	Recovery	=	96.80%	
35) Toluene-d8	5.98	98	34820	10.534	ppb	0.00
Spiked Amount	10.000	Range 84 - 121	Recovery	=	105.30%	
57) 4-Bromofluorobenzene	8.38	95	12560	9.719	ppb	0.00
Spiked Amount	10.000	Range 84 - 116	Recovery	=	97.20%	
Target Compounds						
2) Ethanol	0.00		0	N.D.		
4) Dichlorodifluoromethane	1.09	85	20645	7.188	ppb	99
5) Chloromethane	1.23	50	22120	6.339	ppb	94
6] Vinyl chloride	1.30	62	22429	7.188	ppb	99
7) Bromomethane	1.54	94	15504	8.489	ppb	96
8] Chloroethane	1.60	64	11073	7.072	ppb	95
9) Trichlorofluoromethane	1.77	101	10450	3.082	ppb	92
10) 2-Propanol	2.40	45	139	No Calib		
11) Acetone	2.26	58	8503	49.590	ppb	# 79
12] 1,1-Dichloroethene	2.19	96	8880	9.098	ppb	89
13) Hexane	3.05	57	10943	7.204	ppb	95
14) Methylene chloride	2.61	84	10985	8.286	ppb	88
15) t-Butyl alcohol (TBA)	2.74	59	6477	51.289	ppb	88
16] Methyl t-butyl ether (...)	2.84	73	25501	9.812	ppb	99
17] trans-1,2-Dichloroethene	2.83	96	10021	9.082	ppb	94
18) Diisopropyl ether (DIPE)	3.24	45	23990	7.477	ppb	93
19] 1,1-Dichloroethane	3.18	63	15972	8.145	ppb	99
20) Ethyl t-butyl ether (E...)	3.55	87	10539	9.758	ppb	# 83
21) 2,2-Dichloropropane	3.67	77	10588	7.979	ppb	97
22] cis-1,2-Dichloroethene	3.67	96	10807	9.198	ppb	93
23) Chloroform	3.94	83	15528	8.399	ppb	95
24) 2-Butanone (MEK)	3.70	43	28680	45.200	ppb	93
25) t-Amyl methyl ether (T...)	4.49	73	24089	9.617	ppb	97
26] 1,2-Dichloroethane (EDC)	4.41	62	12173	8.721	ppb	98
27] 1,1,1-Trichloroethane	4.08	97	14695	9.218	ppb	96
28) 1,1-Dichloropropene	4.22	75	11570	8.967	ppb	92
29) Carbon tetrachloride	4.21	117	12827	9.259	ppb	96
31] Benzene	4.39	78	35174	9.319	ppb	98
32] Trichloroethene	4.93	95	10569	9.127	ppb	89
33) 1,2-Dichloropropane	5.13	63	9027	9.102	ppb	97
34) Bromodichloromethane	5.37	83	11578	9.743	ppb	88
36) Dibromomethane	5.23	93	6028	9.977	ppb	96

Data Path : X:\GCMS11\GCMS11_Data\11-23-22\
 Data File : 112303.D
 Acq On : 23 Nov 2022 06:03 am
 Operator : LM
 Sample : 10 ppb 8260 CCV 67-150N
 Misc : soil/water
 ALS Vial : 1 Sample Multiplier: 1
 InstName : GCMS11

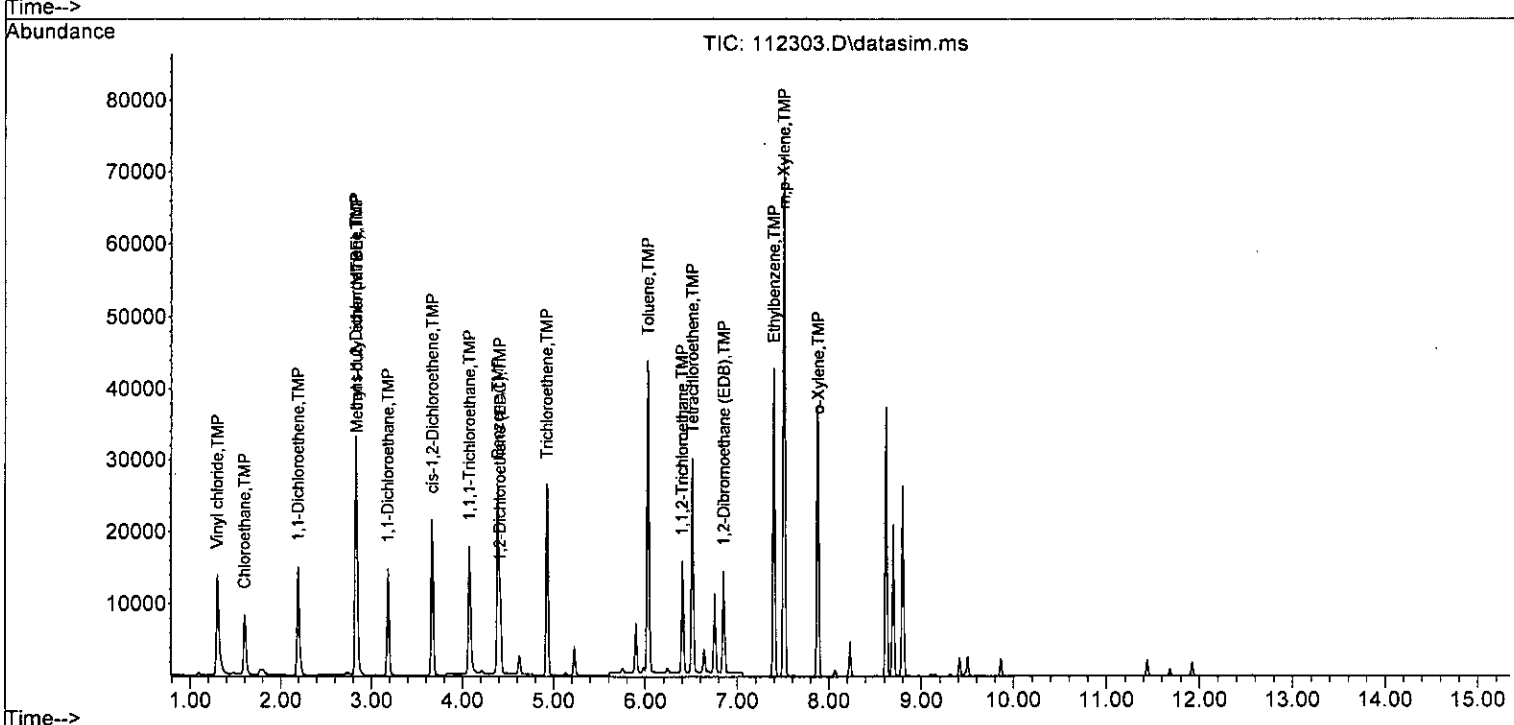
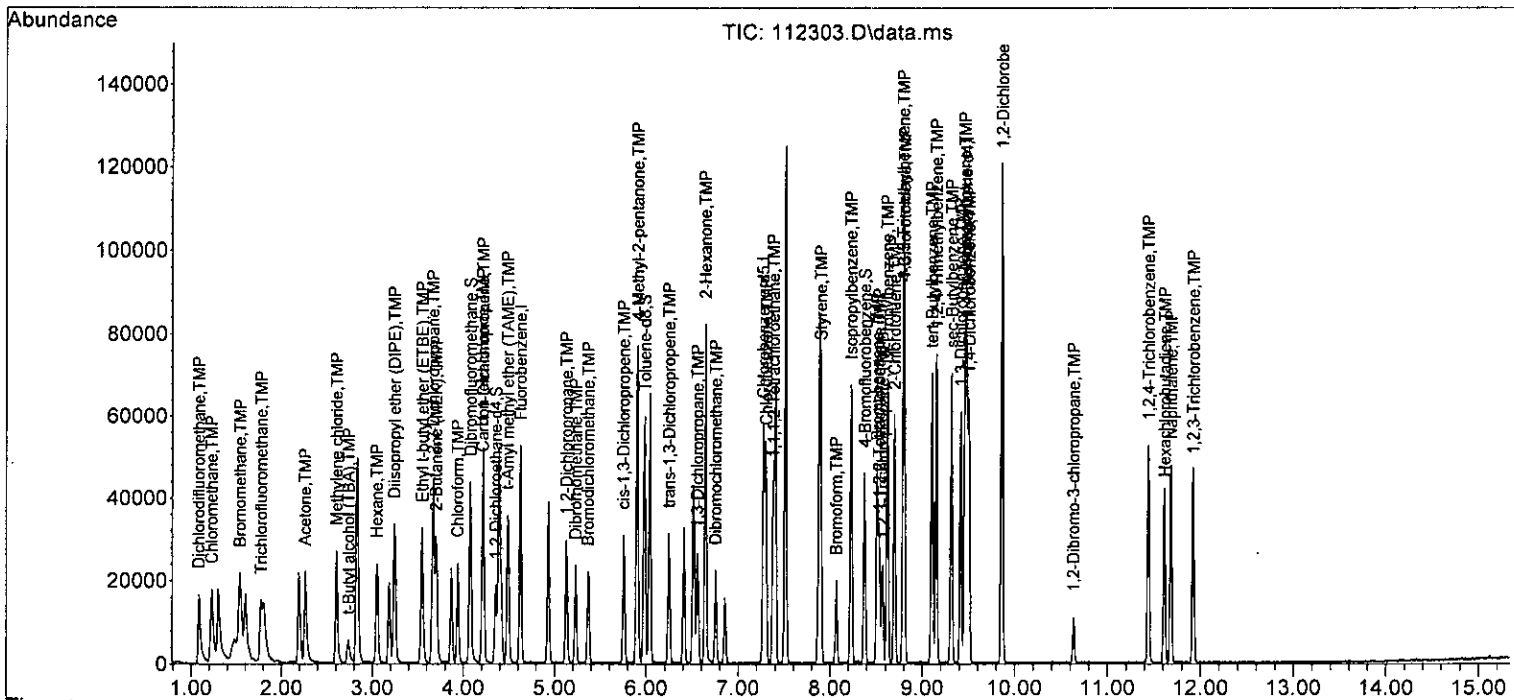
Quant Time: Nov 23 09:14:11 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 14:08:49 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	5.91	85	8987	53.260	ppb	93
38) cis-1,3-Dichloropropene	5.75	75	13813	10.202	ppb	96
40] Toluene	6.03	92	23586	8.967	ppb	92
41) trans-1,3-Dichloropropene	6.25	75	12753	10.390	ppb	91
42] 1,1,2-Trichloroethane	6.40	83	7446	10.417	ppb	89
43) 2-Hexanone	6.64	43	38685	47.683	ppb	88
44) 1,3-Dichloropropane	6.55	76	13118	10.080	ppb	98
45] Tetrachloroethene	6.51	164	10152	9.680	ppb	95
46) Dibromochloromethane	6.75	129	11129	10.684	ppb	91
47] 1,2-Dibromoethane (EOB)	6.85	107	9434	9.836	ppb	96
48) Chlorobenzene	7.30	112	26716	9.570	ppb	98
49] Ethylbenzene	7.40	91	43447	8.942	ppb	92
50) 1,1,1,2-Tetrachloroethane	7.38	131	10478	9.729	ppb	94
51] m,p-Xylene	7.51	106	34250	18.069	ppb	82
52] o-Xylene	7.88	106	17218	9.140	ppb	87
53) Styrene	7.90	104	26949	9.818	ppb	94
54) Isopropylbenzene	8.23	105	41050	8.686	ppb	96
55) Bromoform	8.07	173	8395	10.759	ppb	94
58) n-Propylbenzene	8.62	91	47474	9.074	ppb	100
59) Bromobenzene	8.51	156	13197	10.316	ppb	97
60) 1,3,5-Trimethylbenzene	8.79	105	35529	9.245	ppb	97
61) 1,1,2,2-Tetrachloroethane	8.53	83	11636	9.391	ppb	100
62) 1,2,3-Trichloropropane	8.57	75	8550	9.005	ppb	96
63) 2-Chlorotoluene	8.70	91	28438	9.002	ppb	98
64) 4-Chlorotoluene	8.81	91	32580	9.453	ppb	93
65) tert-Butylbenzene	9.10	119	31639	9.376	ppb	98
66) 1,2,4-Trimethylbenzene	9.15	105	36678	9.435	ppb	100
67) sec-Butylbenzene	9.32	105	44359	8.877	ppb	96
68) p-Isopropyltoluene	9.46	119	40218	9.302	ppb	97
69) 1,3-Dichlorobenzene	9.42	146	24018	9.692	ppb	98
70) 1,4-Dichlorobenzene	9.50	146	23344	9.446	ppb	93
71) 1,2-Dichlorobenzene	9.86	146	22840	9.253	ppb	97
72) 1,2-Dibromo-3-chloropr...	10.63	75	2288	9.108	ppb	98
73) 1,2,4-Trichlorobenzene	11.44	180	16514	8.990	ppb	98
74) Hexachlorobutadiene	11.61	225	9165	8.513	ppb	93
75) Naphthalene	11.68	128	34658	8.490	ppb	99
76) 1,2,3-Trichlorobenzene	11.92	180	14686	8.609	ppb	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : X:\GCMS11\GCMS11_Data\11-23-22\
 Data File : 112303.D
 Acq On : 23 Nov 2022 06:03 am
 Operator : LM
 Sample : 10 ppb 8260 CCV 67-150N
 Misc : soil/water
 ALS Vial : 1 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 23 09:14:11 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 14:08:49 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

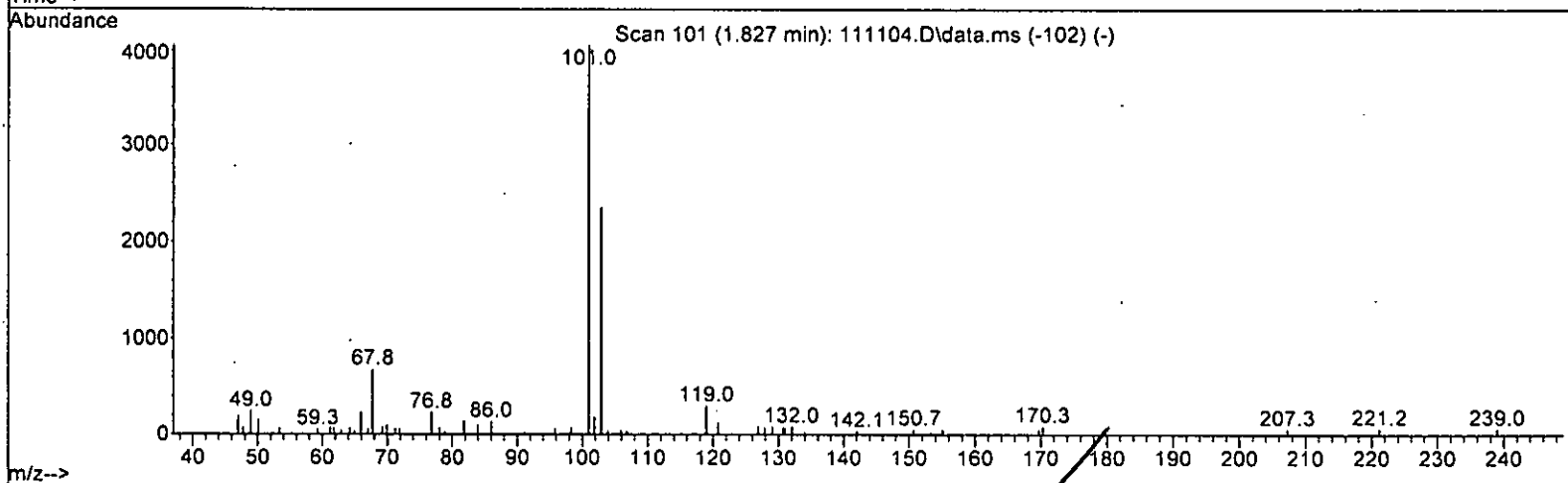
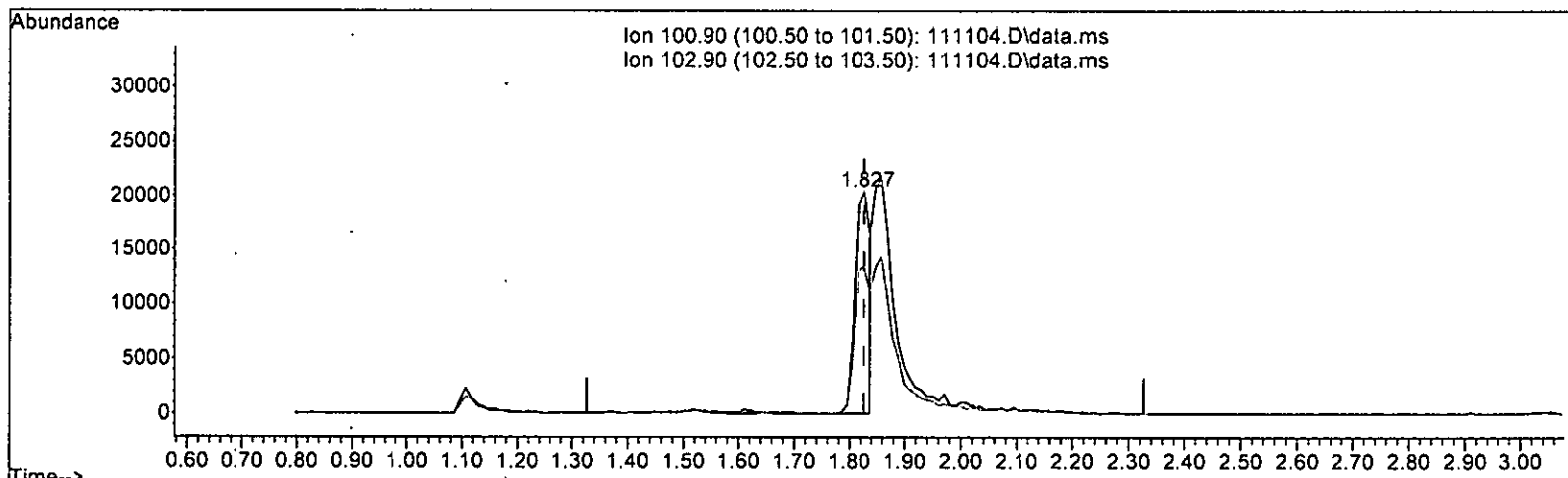


EPA 8260D
Quality Assurance Data

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-11-22\
 Data File : 111104.D
 Acq On : 11 Nov 2022 08:54 am
 Operator : WE
 Sample : 02-2752 lcs
 Misc : soil
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 11 12:13:28 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration



TIC: 111104.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.827min (-0.000) 3.221 ppb

response 39555

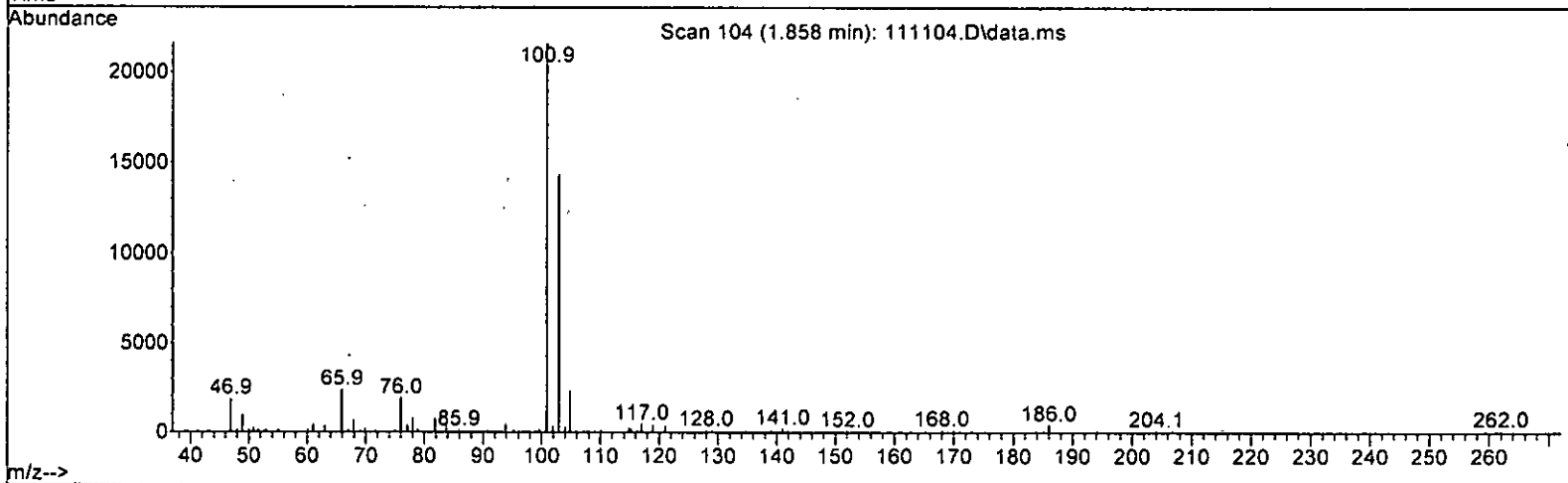
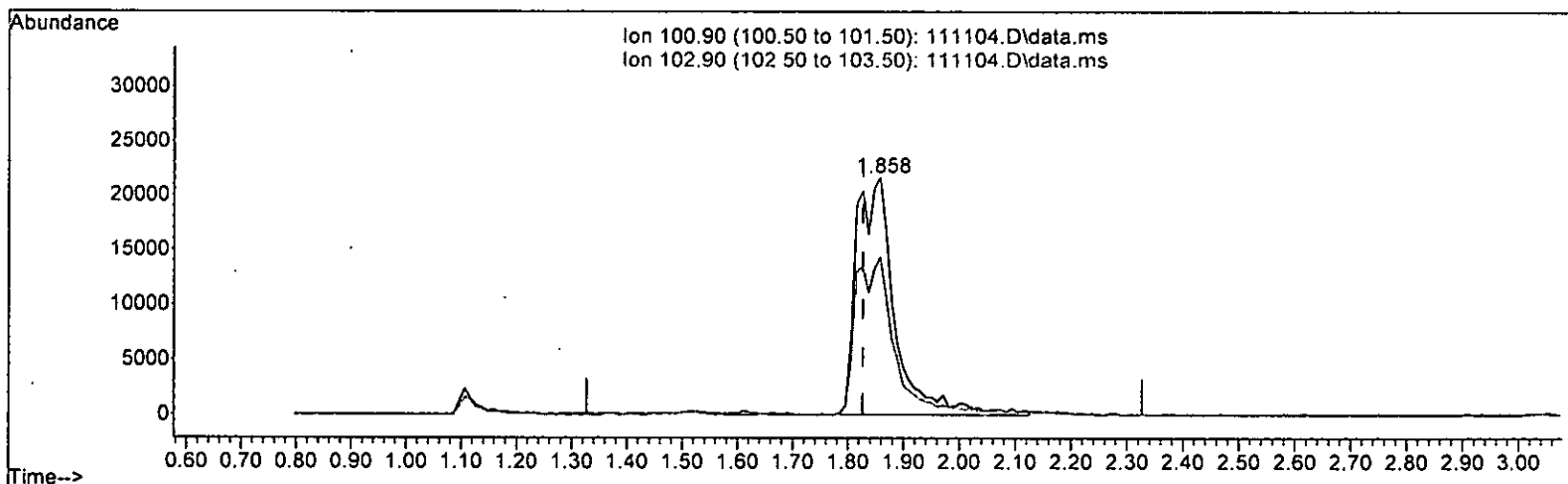
Ion	Exp%	Act%
100.90	100.00	100.00
102.90	65.30	65.61
0.00	0.00	0.00
0.00	0.00	0.00

m 11/11/22

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-11-22\
 Data File : 111104.D
 Acq On : 11 Nov 2022 08:54 am
 Operator : WE
 Sample : 02-2752 lcs
 Misc : soil
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 11 12:13:28 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 Qlast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration



TIC: 111104.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.858min (+ 0.031) 8.820 ppb m

response 108301

Ion	Exp%	Act%
100.90	100.00	100.00
102.90	65.30	66.19
0.00	0.00	0.00
0.00	0.00	0.00

W 11/11/22

Data Path : Y:\Proc_GCMS13\11-11-22\
 Data File : 111104.D
 Acq On : 11 Nov 2022 08:54 am
 Operator : WE
 Sample : 02-2752 lcs
 Misc : soil
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 11 12:13:28 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 Qlast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	4.734	96	109331	10.000	ppb	-0.01
39) Chlorobenzene-d5	7.405	117	99376	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.624	152	59195	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.175	113	36449	10.396	ppb	0.00
Spiked Amount	10.000	Range 50 - 150	Recovery	=	104.00%	
30) 1,2-Dichloroethane-d4	4.455	102	6999	10.301	ppb	0.00
Spiked Amount	10.000	Range 84 - 120	Recovery	=	103.00%	
35) Toluene-d8	6.105	98	105239	10.093	ppb	0.00
Spiked Amount	10.000	Range 73 - 128	Recovery	=	100.90%	
57) 4-Bromofluorobenzene	8.508	95	38423	9.420	ppb	0.00
Spiked Amount	10.000	Range 57 - 146	Recovery	=	94.20%	
Target Compounds						
2) Ethanol	2.331	45	373	No Calib		Qvalue
4) Dichlorodifluoromethane	1.107	85	39714	4.540	ppb	98
5) Chloromethane	1.251	50	32164	6.026	ppb	91
6] Vinyl chloride	1.328	62	37542	6.737	ppb	95
7) Bromomethane	1.580	94	47931	10.147	ppb	97
8] Chloroethane	1.636	64	21749	8.699	ppb	98
9) Trichlorofluoromethane	1.858	101	108301m	8.820	ppb	
10) 2-Propanol	2.331	45	373	No Calib	#	
11) Acetone	2.321	58	12657	43.810	ppb	98
12] 1,1-Dichloroethene	2.264	96	28530	9.159	ppb	89
13) Hexane	3.156	57	30815	8.718	ppb	97
14) Methylene chloride	2.682	84	30019	9.058	ppb	99
15) t-Butyl alcohol (TBA)	2.816	59	15759	60.055	ppb	99
16] Methyl t-butyl ether (...)	2.924	73	83280	11.441	ppb	98
17] trans-1,2-Dichloroethene	2.914	96	33717	9.684	ppb	92
18) Diisopropyl ether (DIPE)	3.342	45	71268	9.342	ppb	99
19] 1,1-Dichloroethane	3.275	63	49365	9.744	ppb	95
20) Ethyl t-butyl ether (E...)	3.651	87	36983	13.131	ppb	92
21) 2,2-Dichloropropane	3.764	77	34971	13.239	ppb	99
22] cis-1,2-Dichloroethene	3.769	96	37757	10.366	ppb	90
23) Chloroform	4.041	83	57840	9.822	ppb	99
24) 2-Butanone (MEK)	3.795	43	64256	46.822	ppb	99
25) t-Amyl methyl ether (T...)	4.611	73	74079	12.538	ppb	90
26] 1,2-Dichloroethane (EDC)	4.516	62	46026	10.360	ppb	94
27] 1,1,1-Trichloroethane	4.191	97	60563	11.497	ppb	94
28) 1,1-Dichloropropene	4.332	75	39793	10.070	ppb	89
29) Carbon tetrachloride	4.332	117	59718	11.259	ppb	99
31] Benzene	4.504	78	112028	9.162	ppb	99
32] Trichloroethene	5.053	95	40804	10.183	ppb	# 61
33) 1,2-Dichloropropane	5.244	63	24915	9.458	ppb	94
34) Bromodichloromethane	5.481	83	43172	10.214	ppb	90
36) Dibromomethane	5.337	93	23009	9.590	ppb	# 79
37) 4-Methyl-2-pentanone	6.024	85	26061	56.186	ppb	86

Data Path : Y:\Proc_GCMS13\11-11-22\
 Data File : 111104.D
 Acq On : 11 Nov 2022 08:54 am
 Operator : WE
 Sample : 02-2752 lcs
 Misc : soil
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS13

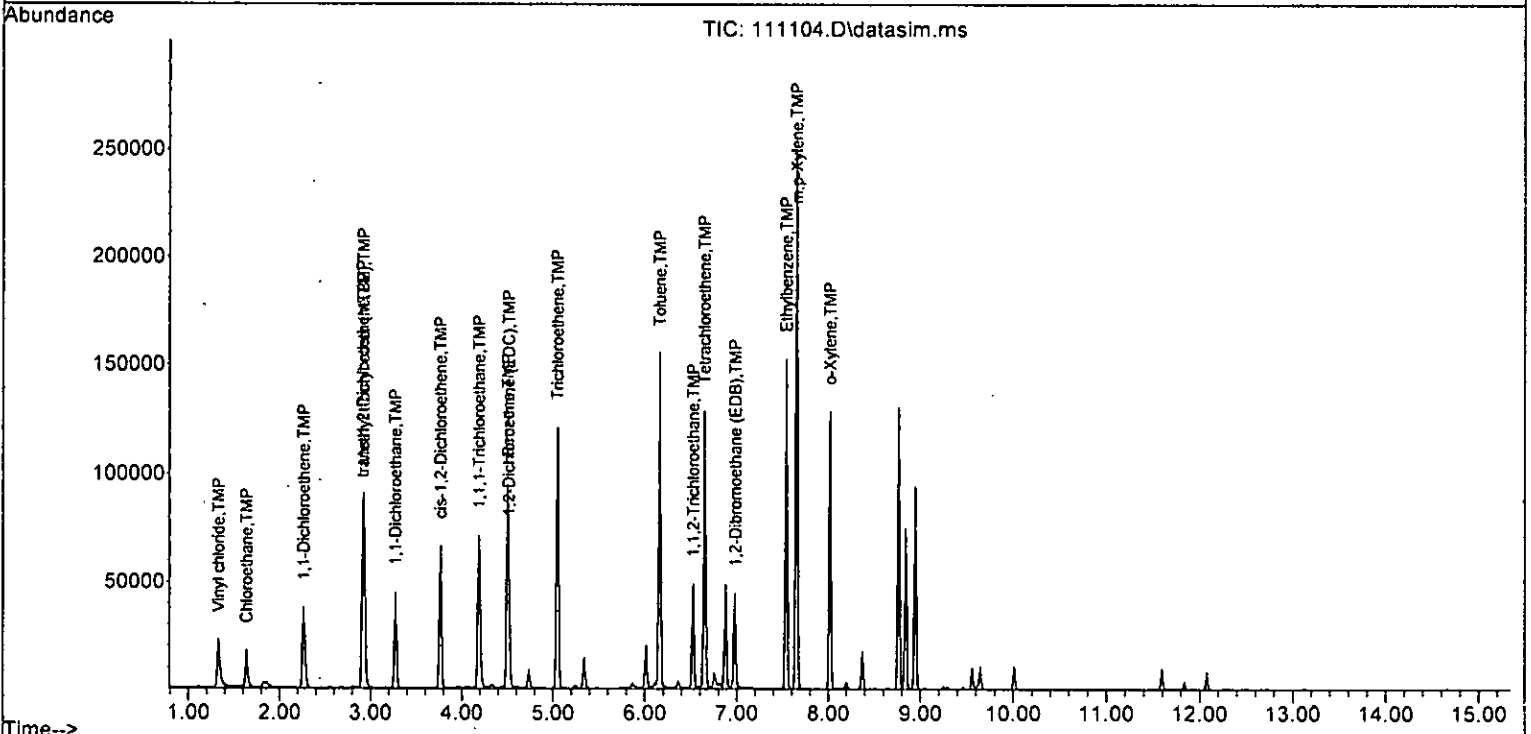
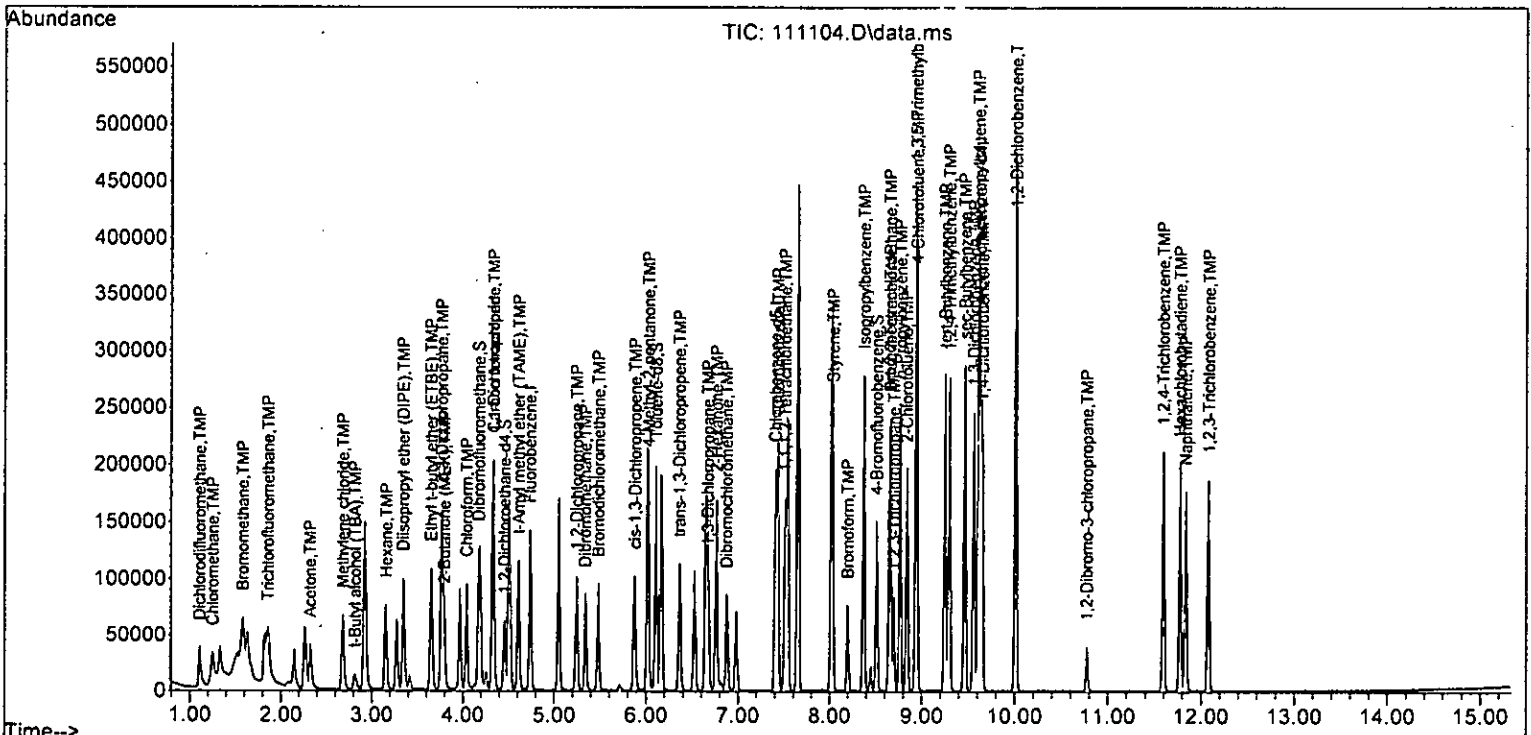
Quant Time: Nov 11 12:13:28 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
38) cis-1,3-Dichloropropene	5.877	75	43448	11.036	ppb	89
40] Toluene	6.164	92	80068	10.051	ppb	93
41) trans-1,3-Dichloropropene	6.361	75	40419	11.524	ppb	88
42] 1,1,2-Trichloroethane	6.527	83	24093	9.368	ppb	83
43) 2-Hexanone	6.764	43	93176	49.464	ppb	95
44) 1,3-Dichloropropane	6.670	76	43458	9.565	ppb	100
45] Tetrachloroethene	6.648	164	45345	11.551	ppb	94
46) Dibromochloromethane	6.871	129	46584	10.892	ppb	98
47] 1,2-Dibromoethane (EDB)	6.984	107	36829	10.308	ppb	96
48) Chlorobenzene	7.431	112	104172	10.557	ppb	92
49] Ethylbenzene	7.539	91	150882	9.752	ppb	90
50) 1,1,1,2-Tetrachloroethane	7.508	131	44947	11.700	ppb	96
51] m,p-Xylene	7.651	106	126064	20.734	ppb	81
52] o-Xylene	8.022	106	61710	10.512	ppb #	79
53) Styrene	8.034	104	96352	10.928	ppb	94
54) Isopropylbenzene	8.370	105	157149	11.017	ppb	91
55) Bromoform	8.198	173	31577	10.627	ppb	97
58) n-Propylbenzene	8.766	91	165046	10.328	ppb	84
59) Bromobenzene	8.654	156	54012	10.895	ppb #	76
60) 1,3,5-Trimethylbenzene	8.939	105	128206	11.007	ppb	90
61) 1,1,2,2-Tetrachloroethane	8.654	83	32028	9.259	ppb	97
62) 1,2,3-Trichloropropane	8.697	75	25635	8.907	ppb	87
63) 2-Chlorotoluene	8.835	91	95306	9.958	ppb	85
64) 4-Chlorotoluene	8.947	91	111951	9.892	ppb	80
65) tert-Butylbenzene	9.250	119	130010	11.252	ppb	88
66) 1,2,4-Trimethylbenzene	9.298	105	131100	11.094	ppb	94
67) sec-Butylbenzene	9.464	105	169157	10.891	ppb	93
68) p-Isopropyltoluene	9.610	119	161309	11.417	ppb	94
69) 1,3-Dichlorobenzene	9.561	146	97593	10.779	ppb	96
70) 1,4-Dichlorobenzene	9.652	146	98247	10.612	ppb	97
71) 1,2-Dichlorobenzene	10.012	146	93641	10.875	ppb	95
72) 1,2-Dibromo-3-chloropr...	10.774	75	6672	10.445	ppb	86
73) 1,2,4-Trichlorobenzene	11.592	180	65771	11.448	ppb	99
74) Hexachlorobutadiene	11.772	225	39185	11.038	ppb	97
75) Naphthalene	11.835	128	130410	11.810	ppb	99
76) 1,2,3-Trichlorobenzene	12.077	180	57847	11.552	ppb	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS13\11-11-22\
 Data File : 111104.D
 Acq On : 11 Nov 2022 08:54 am
 Operator : WE
 Sample : 02-2752 lcs
 Misc : soil
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS13

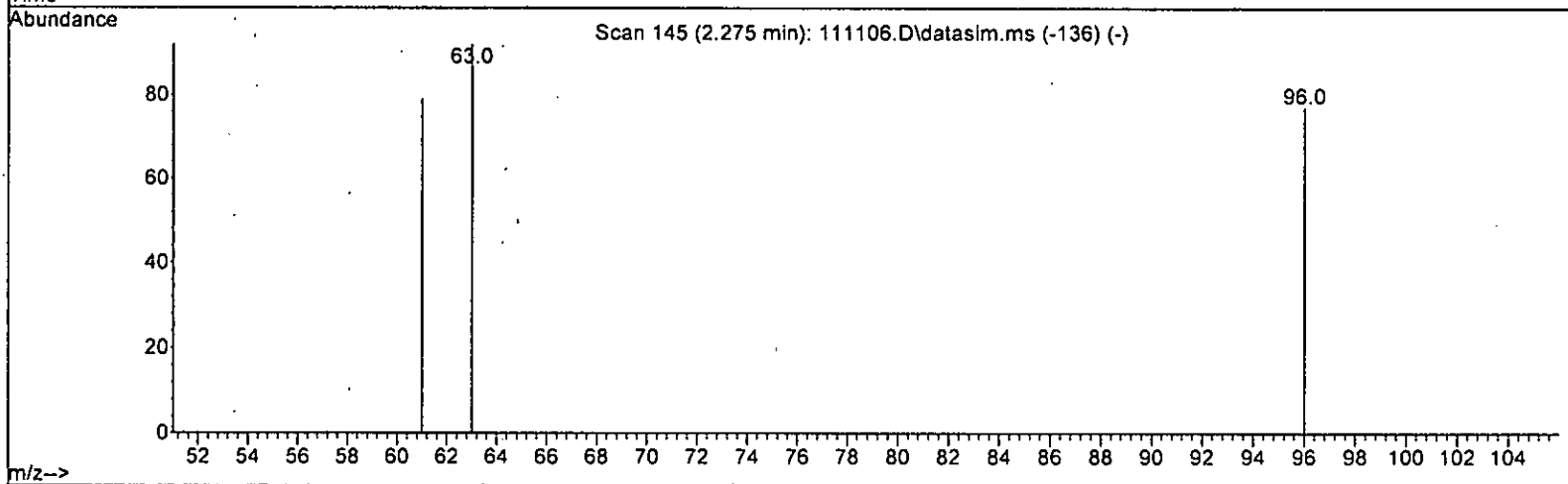
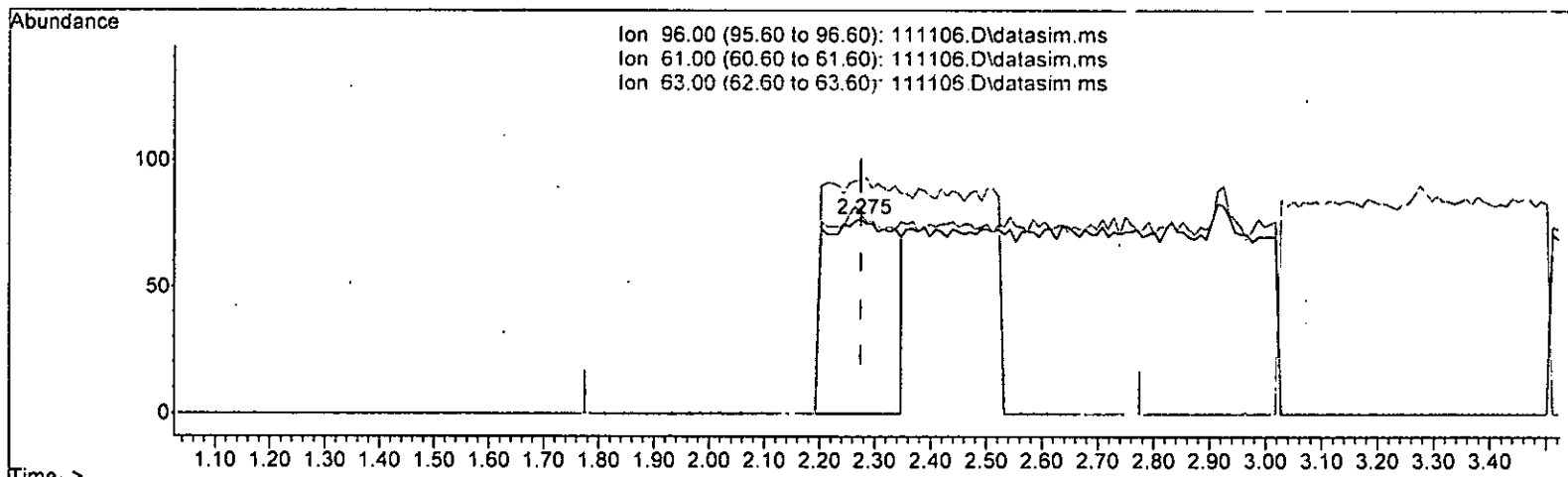
Quant Time: Nov 11 12:13:28 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purgé & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-11-22\
 Data File : 111106.D
 Acq On : 11 Nov 2022 09:40 am
 Operator : WE
 Sample : 02-2752 mb
 Misc : soil
 ALS Vial : 3 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 11 12:13:32 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration



TIC: 111106.D\data.ms

(12) 1,1-Dichloroethene (TMP)

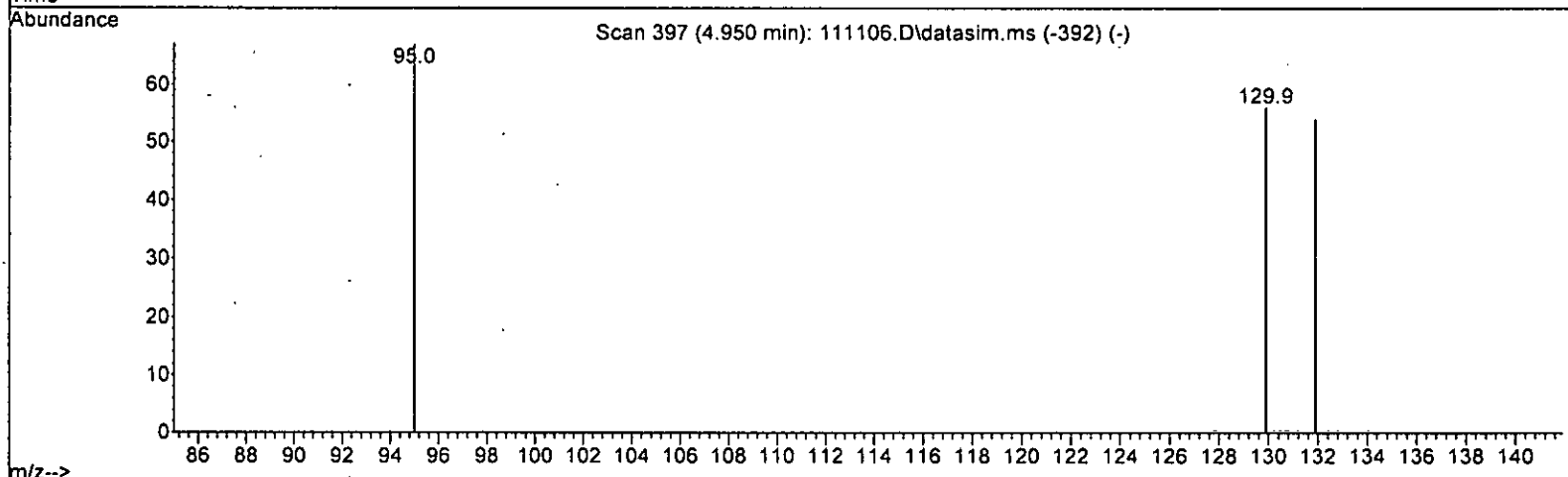
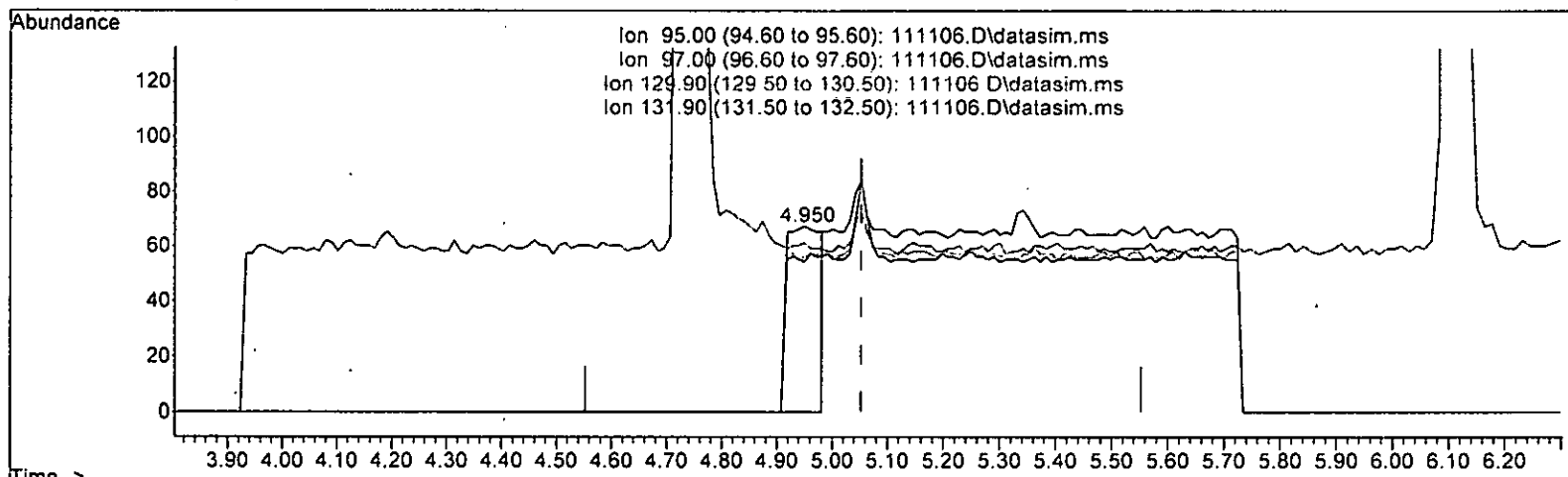
2.275min (-0.000) 0.186 ppb

response	678
Ion	Exp% Act%
96.00	100.00 100.00
61.00	120.90 102.60
63.00	43.90 119.48#
0.00	0.00 0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-11-22\
 Data File : 111106.D
 Acq On : 11 Nov 2022 09:40 am
 Operator : WE
 Sample : 02-2752 mb
 Misc : soil
 ALS Vial : 3 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 11 12:13:32 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 Qlast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration



TIC: 111106.D\data.ms

(32) Trichloroethene (TME)

4.950min (-0.103) 0.062 ppb

response 290

Ion	Exp%	Act%
95.00	100.00	100.00
97.00	64.60	2.99#
129.90	103.40	83.58
131.90	95.80	80.60

Data Path : Y:\Proc_GCMS13\11-11-22\
 Data File : 111106.D
 Acq On : 11 Nov 2022 09:40 am
 Operator : WE
 Sample : 02-2752 mb
 Misc : soil
 ALS Vial : 3 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 11 12:13:32 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration

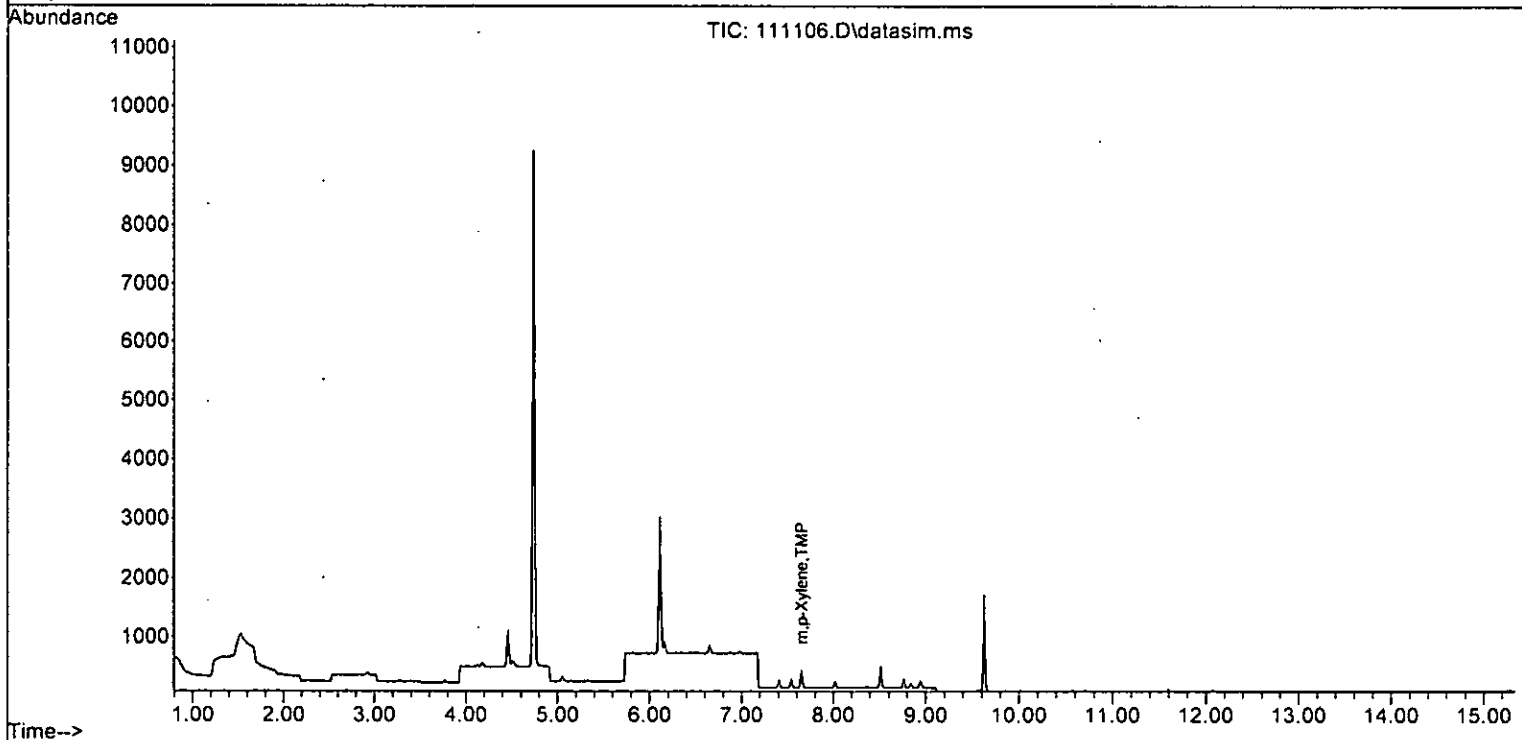
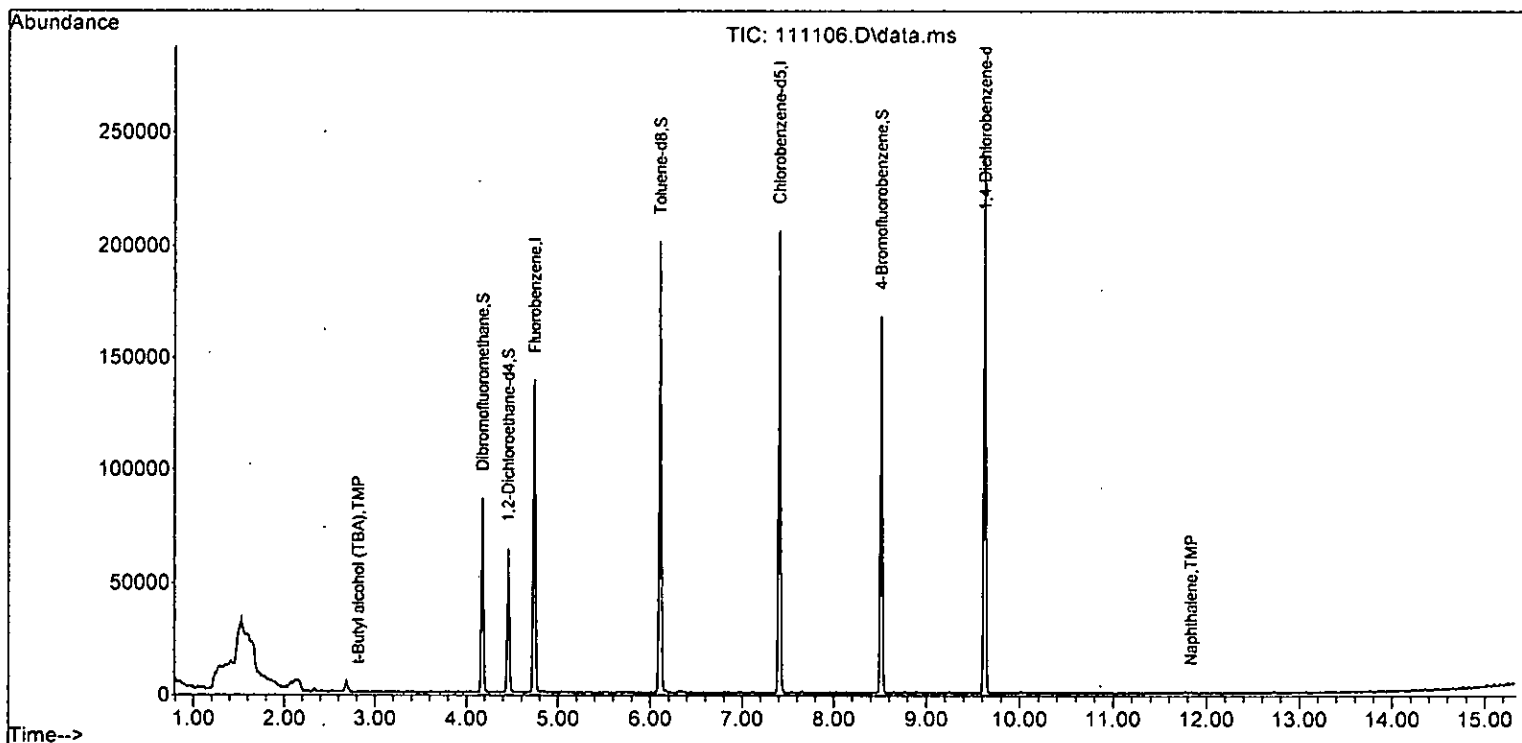
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

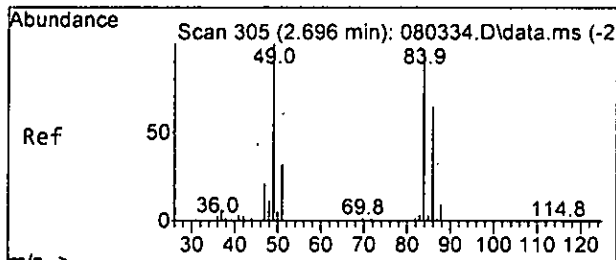
Internal Standards						
1) Fluorobenzene	4.746	96	128202	10.000	ppb	0.00
39) Chlorobenzene-d5	7.405	117	105335	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.624	152	62535	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.175	113	38224	9.297	ppb	0.00
Spiked Amount	10.000	Range	50 - 150	Recovery	=	93.00%
30) 1,2-Dichloroethane-d4	4.455	102	7064	8.866	ppb	0.00
Spiked Amount	10.000	Range	84 - 120	Recovery	=	88.70%
35) Toluene-d8	6.105	98	110915	9.071	ppb	0.00
Spiked Amount	10.000	Range	73 - 128	Recovery	=	90.70%
57) 4-Bromofluorobenzene	8.508	95	42046	9.758	ppb	0.00
Spiked Amount	10.000	Range	57 - 146	Recovery	=	97.60%
Target Compounds						
						Qvalue
11) Acetone	2.331	58	310	Below Cal	#	84
14) Methylene chloride	2.682	84	2305	Below Cal		92
15) t-Butyl alcohol (TBA)	2.816	59	35	0.114	ppb	53
24) 2-Butanone (MEK)	3.795	43	375	Below Cal		55
26] 1,2-Dichloroethane (EDC)	4.516	62	104	Below Cal		99
40] Toluene	6.164	92	97	Below Cal		87
42] 1,1,2-Trichloroethane	6.527	83	21	Below Cal		86
45] Tetrachloroethene	6.648	164	51	Below Cal	#	78
51] m,p-Xylene	7.651	106	148	0.023	ppb	87
75) Naphthalene	11.835	128	588	0.129	ppb	85

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS13\11-11-22\
 Data File : 111106.D
 Acq On : 11 Nov 2022 09:40 am
 Operator : WE
 Sample : 02-2752 mb
 Misc : soil
 ALS Vial : 3 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 11 12:13:32 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration

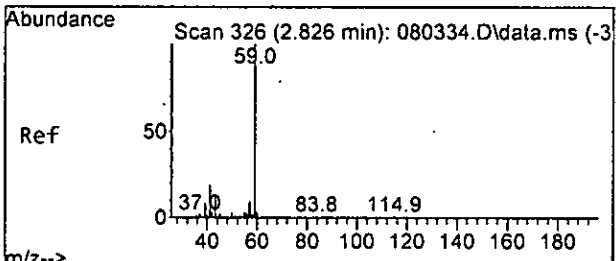
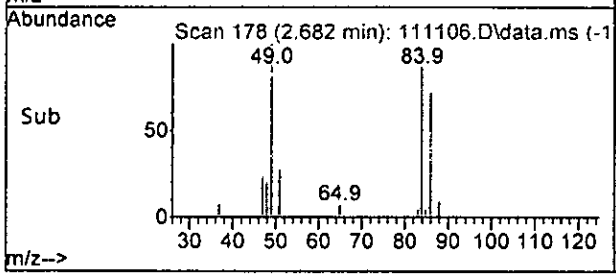
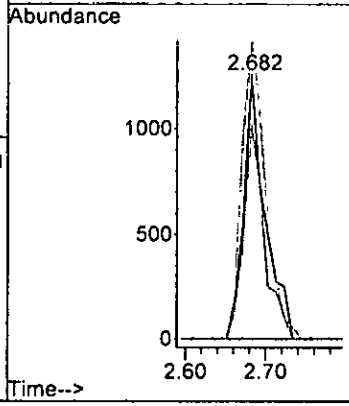
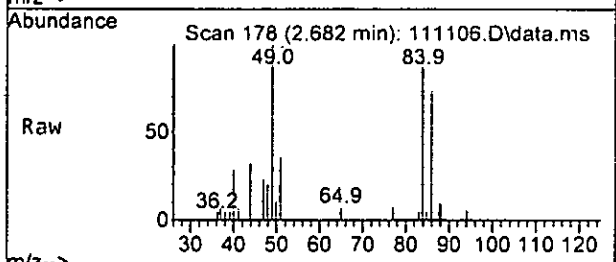




#14
 Methylene chloride
 Concen: Below Cal
 RT: 2.682 min Scan# 178
 Delta R.T. -0.000 min
 Lab File: 111106.D
 Acq: 11 Nov 2022 09:40 am

Tgt Ion: 84 Resp: 2305

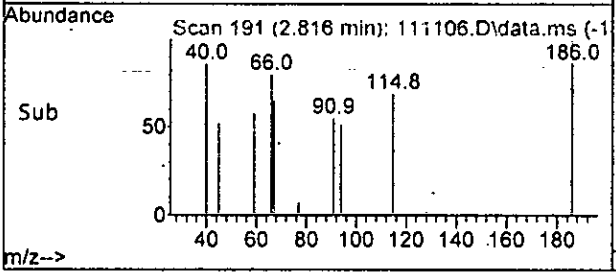
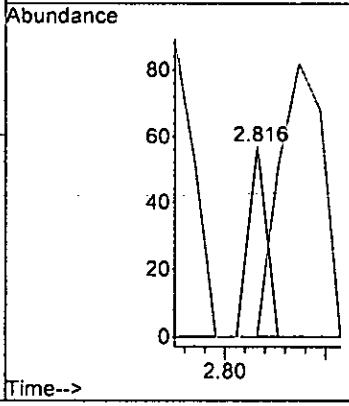
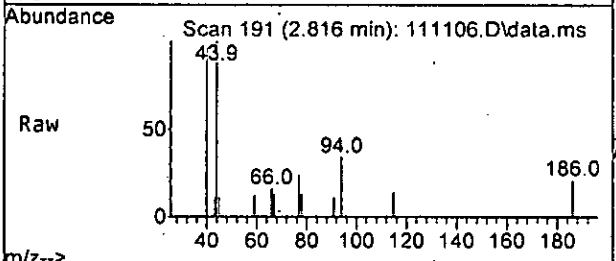
Ion	Ratio	Lower	Upper
84	100		
86	81.3	37.1	97.1
49	112.8	81.3	141.3

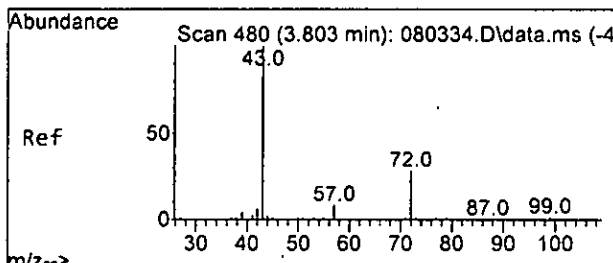


#15
 t-Butyl alcohol (TBA)
 Concen: 0.114 ppb
 RT: 2.816 min Scan# 191
 Delta R.T. 0.000 min
 Lab File: 111106.D
 Acq: 11 Nov 2022 09:40 am

Tgt Ion: 59 Resp: 35

Ion	Ratio	Lower	Upper
59	100		
41	0.0	0.0	52.9

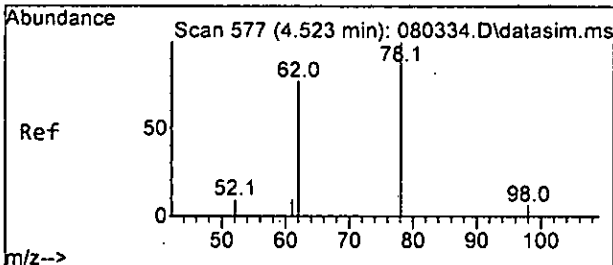
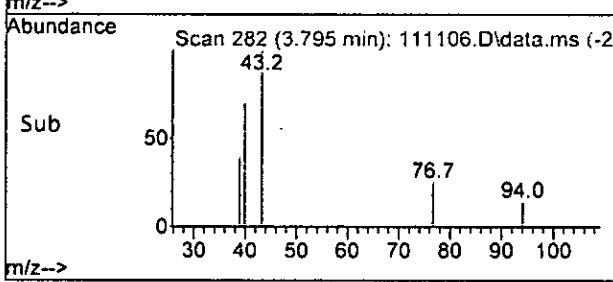
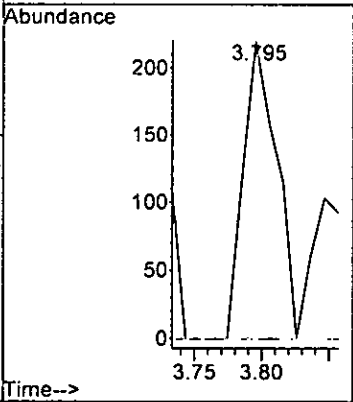
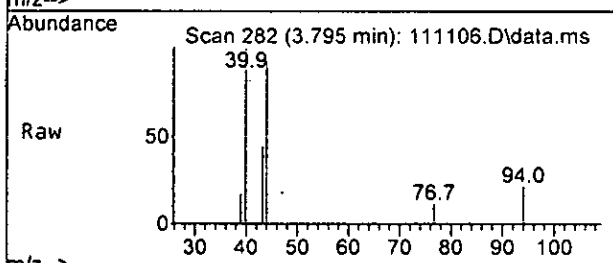




#24
 2-Butanone (MEK)
 Concen: Below Cal
 RT: 3.795 min Scan# 282
 Delta R.T. 0.000 min
 Lab File: 111106.D
 Acq: 11 Nov 2022 09:40 am

Tgt Ion: 43 Resp: 375

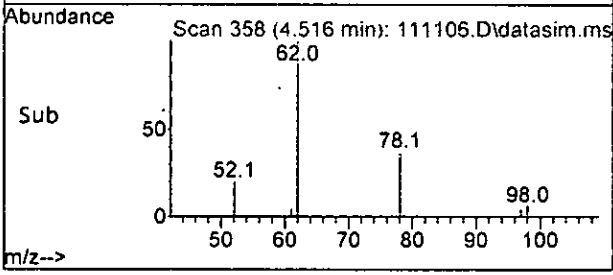
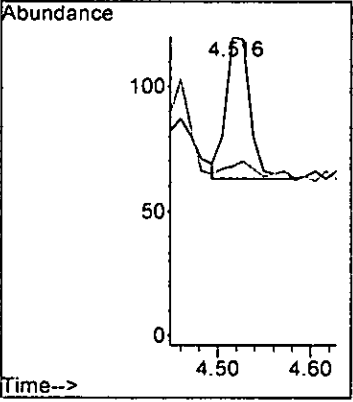
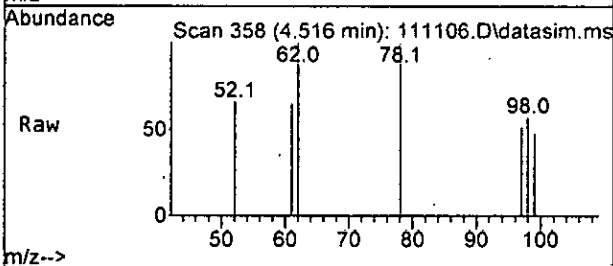
Ion	Ratio	Lower	Upper
43	100		
72	0.0	0.0	57.0
57	0.0	0.0	28.0

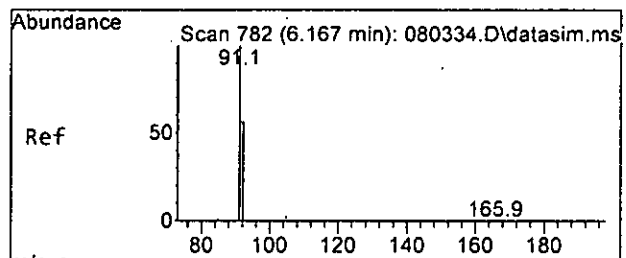


#26
 1,2-Dichloroethane (EDC)
 Concen: Below Cal
 RT: 4.516 min Scan# 358
 Delta R.T. -0.011 min
 Lab File: 111106.D
 Acq: 11 Nov 2022 09:40 am

Tgt Ion: 62 Resp: 104

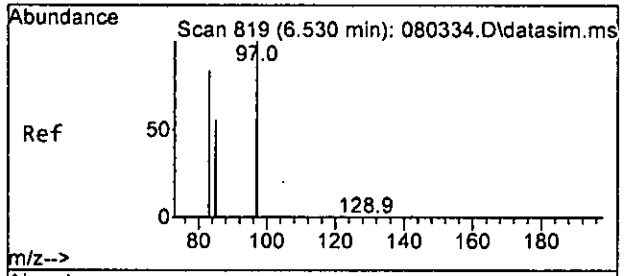
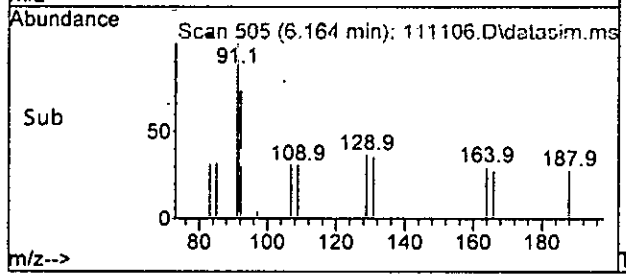
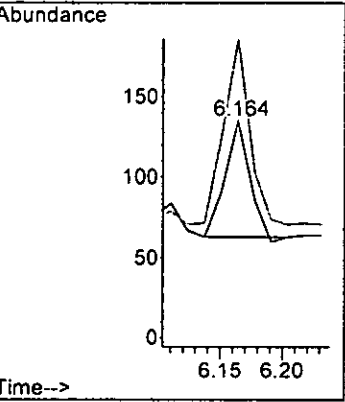
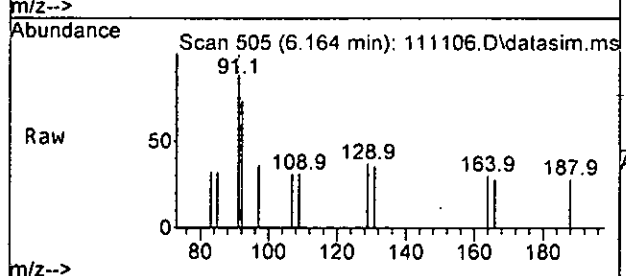
Ion	Ratio	Lower	Upper
62	100		
98	10.5	0.0	40.1





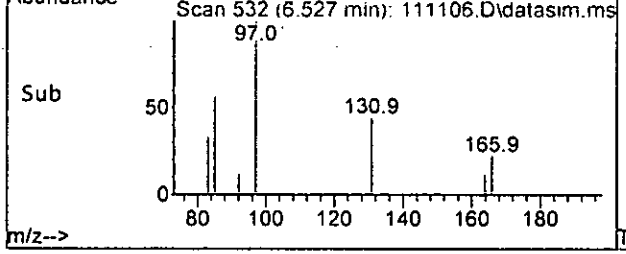
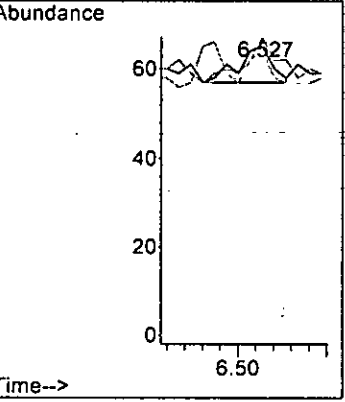
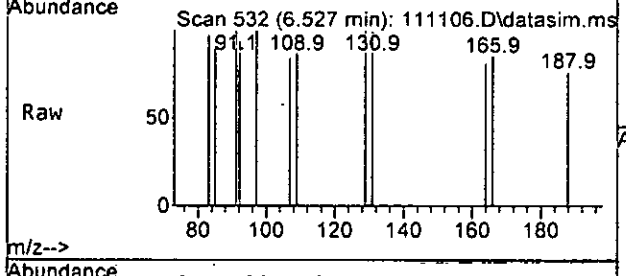
#40
 Toluene
 Concen: Below Cal
 RT: 6.164 min Scan# 505
 Delta R.T. 0.000 min
 Lab File: 111106.D
 Acq: 11 Nov 2022 09:40 am

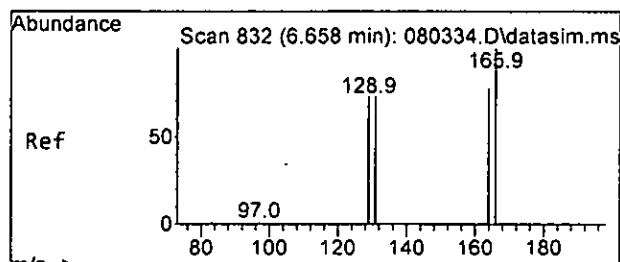
Tgt Ion	Resp	Lower	Upper
92	100		
91	159.7	148.5	208.5



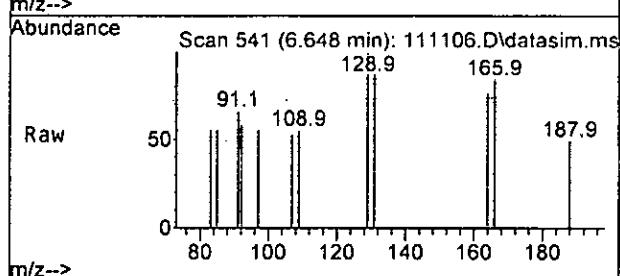
#42
 1,1,2-Trichloroethane
 Concen: Below Cal
 RT: 6.527 min Scan# 532
 Delta R.T. 0.000 min
 Lab File: 111106.D
 Acq: 11 Nov 2022 09:40 am

Tgt Ion	Resp	Lower	Upper
83	100		
97	125.0	88.0	148.0
85	87.5	35.3	95.3



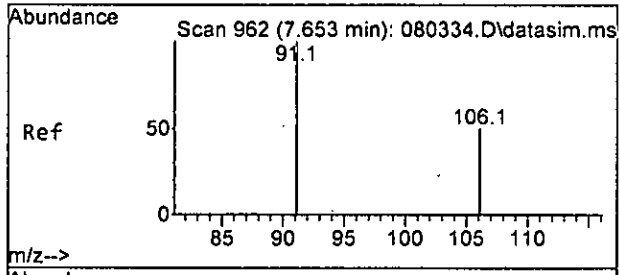
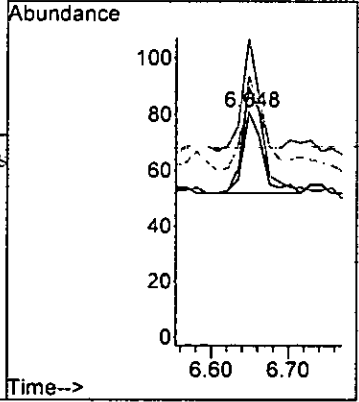
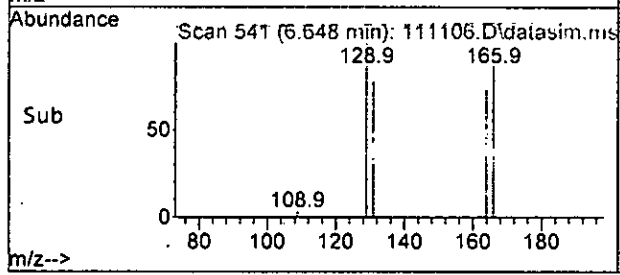


#45
 Tetrachloroethene
 Concen: Below Cal
 RT: 6.648 min Scan# 541
 Delta R.T. 0.000 min
 Lab File: 111106.D
 Acq: 11 Nov 2022 09:40 am

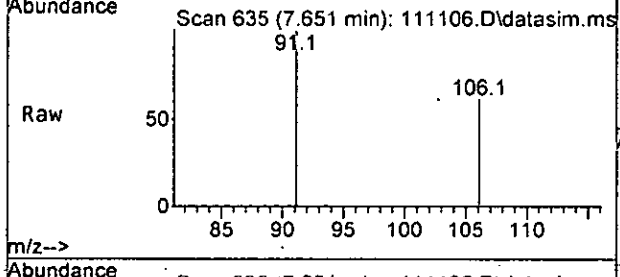


Tgt Ion: 164 Resp: 51

Ion	Ratio	Lower	Upper
164	100		
129	137.9	72.1	132.1#
131	117.2	64.8	124.8
166	131.0	90.0	150.0

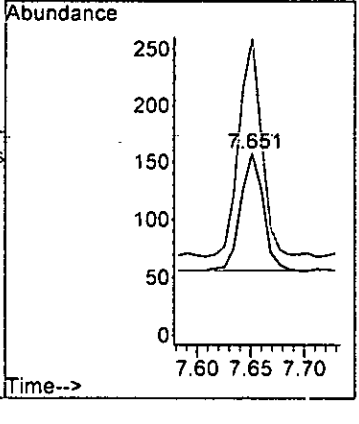
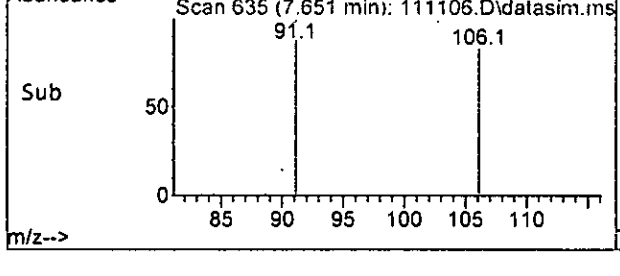


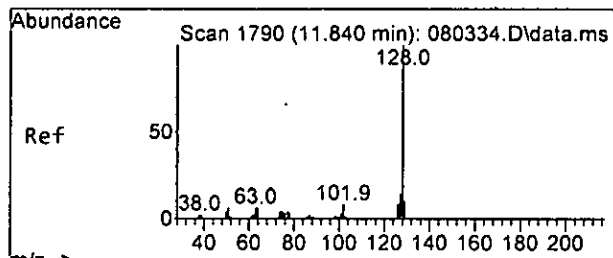
#51
 m,p-Xylene
 Concen: 0.023 ppb
 RT: 7.651 min Scan# 635
 Delta R.T. 0.000 min
 Lab File: 111106.D
 Acq: 11 Nov 2022 09:40 am



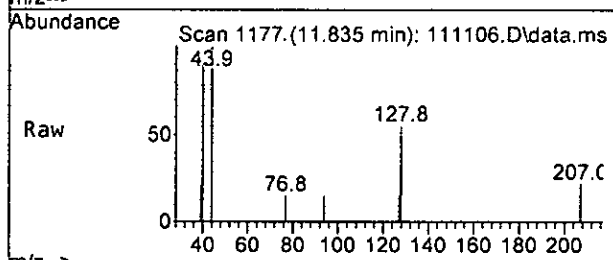
Tgt Ion: 106 Resp: 148

Ion	Ratio	Lower	Upper
106	100		
91	186.3	175.7	235.7



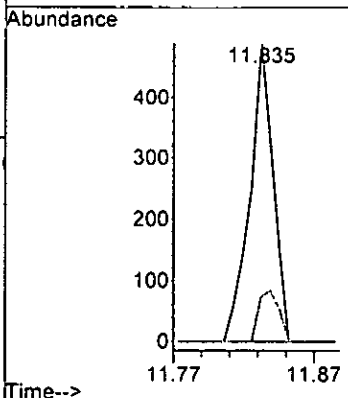
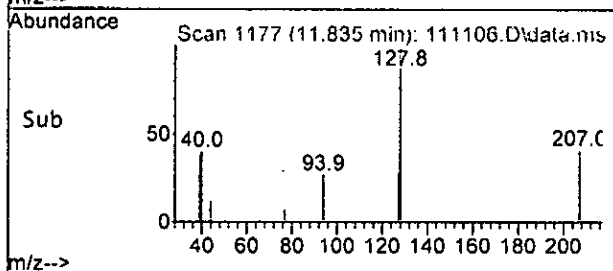


#75
 Naphthalene
 Concen: 0.129 ppb
 RT: 11.835 min Scan# 1177
 Delta R.T. -0.000 min
 Lab File: 111106.D
 Acq: 11 Nov 2022 09:40 am



Tgt Ion: 128 Resp: 588

Ion	Ratio	Lower	Upper
128	100		
129	0.0	0.0	40.8
127	14.9	0.0	43.1



Data Path : Y:\Proc_GCMS13\11-11-22\
 Data File : 111106.D
 Acq On : 11 Nov 2022 09:40 am
 Operator : WE
 Sample : 02-2752 mb
 Misc : soil
 ALS Vial : 3 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 11 12:13:32 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 Qlast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	4.746	96	128202	10.000	ppb	0.00
39) Chlorobenzene-d5	7.405	117	105335	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.624	152	62535	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.175	113	38224	9.297	ppb	0.00
Spiked Amount	10.000	Range 50 - 150	Recovery	=	93.00%	
30) 1,2-Dichloroethane-d4	4.455	102	7064	8.866	ppb	0.00
Spiked Amount	10.000	Range 84 - 120	Recovery	=	88.70%	
35) Toluene-d8	6.105	98	110915	9.071	ppb	0.00
Spiked Amount	10.000	Range 73 - 128	Recovery	=	90.70%	
57) 4-Bromofluorobenzene	8.508	95	42046	9.758	ppb	0.00
Spiked Amount	10.000	Range 57 - 146	Recovery	=	97.60%	
Target Compounds						
2) Ethanol	2.331	45	105	No Calib		Qvalue
4) Dichlorodifluoromethane	1.107	85	123	N.D.		
5) Chloromethane	1.272	50	523	N.D.		
6) Vinyl chloride	0.000		0	N.D.		
7) Bromomethane	0.000		0	N.D.		
8) Chloroethane	0.000		0	N.D.		
9) Trichlorofluoromethane	0.000		0	N.D.		
10) 2-Propanol	2.331	45	105	No Calib	#	
11) Acetone	2.331	58	310	Below Cal	#	84
12) 1,1-Dichloroethene	0.000		0	N.D.	d	
13) Hexane	3.157	57	39	N.D.		
14) Methylene chloride	2.682	84	2305	Below Cal		92
15) t-Butyl alcohol (TBA)	2.816	59	35	0.114 ppb		53
16) Methyl t-butyl ether (...)	0.000		0	N.D.		
17) trans-1,2-Dichloroethene	0.000		0	N.D.		
18) Diisopropyl ether (DIPE)	3.435	45	39	N.D.		
19) 1,1-Dichloroethane	0.000		0	N.D.		
20) Ethyl t-butyl ether (E...)	0.000		0	N.D.		
21) 2,2-Dichloropropane	3.774	77	156	N.D.		
22) cis-1,2-Dichloroethene	0.000		0	N.D.		
23) Chloroform	0.000		0	N.D.		
24) 2-Butanone (MEK)	3.795	43	375	Below Cal		55
25) t-Amyl methyl ether (T...)	0.000		0	N.D.		
26] 1,2-Dichloroethane (EDC)	4.516	62	104	Below Cal		99
27) 1,1,1-Trichloroethane	0.000		0	N.D.		
28) 1,1-Dichloropropene	0.000		0	N.D.		
29) Carbon tetrachloride	0.000		0	N.D.		
31) Benzene	4.505	78	64	N.D.		
32) Trichloroethene	0.000		0	N.D.	d	
33) 1,2-Dichloropropane	5.306	63	36	N.D.		
34) Bromodichloromethane	0.000		0	N.D.		
36) Dibromomethane	0.000		0	N.D.		
37) 4-Methyl-2-pentanone	0.000		0	N.D.		

Data Path : Y:\Proc_GCMS13\11-11-22\
 Data File : 111106.D
 Acq On : 11 Nov 2022 09:40 am
 Operator : WE
 Sample : 02-2752 mb
 Misc : soil
 ALS Vial : 3 Sample Multiplier: 1
 InstName : GCMS13

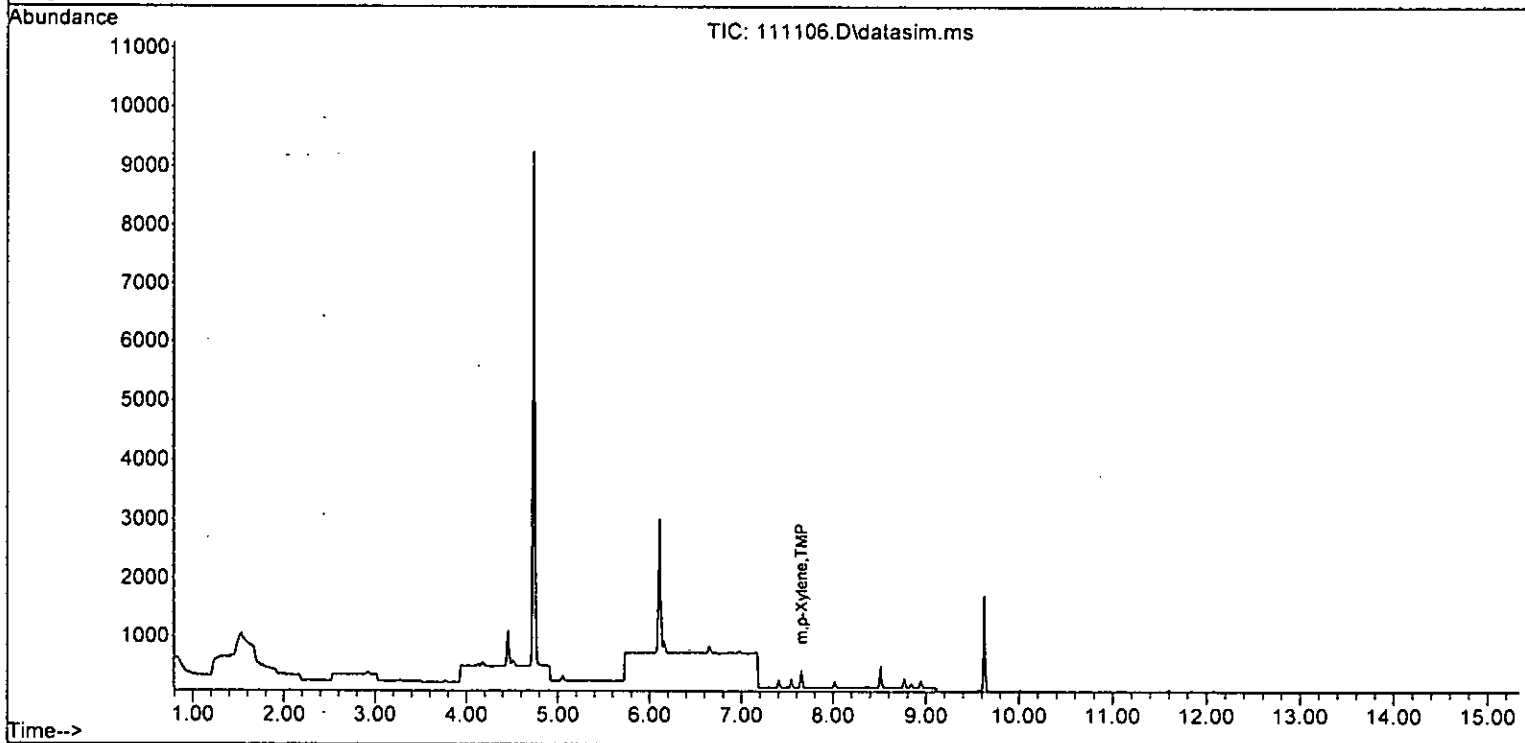
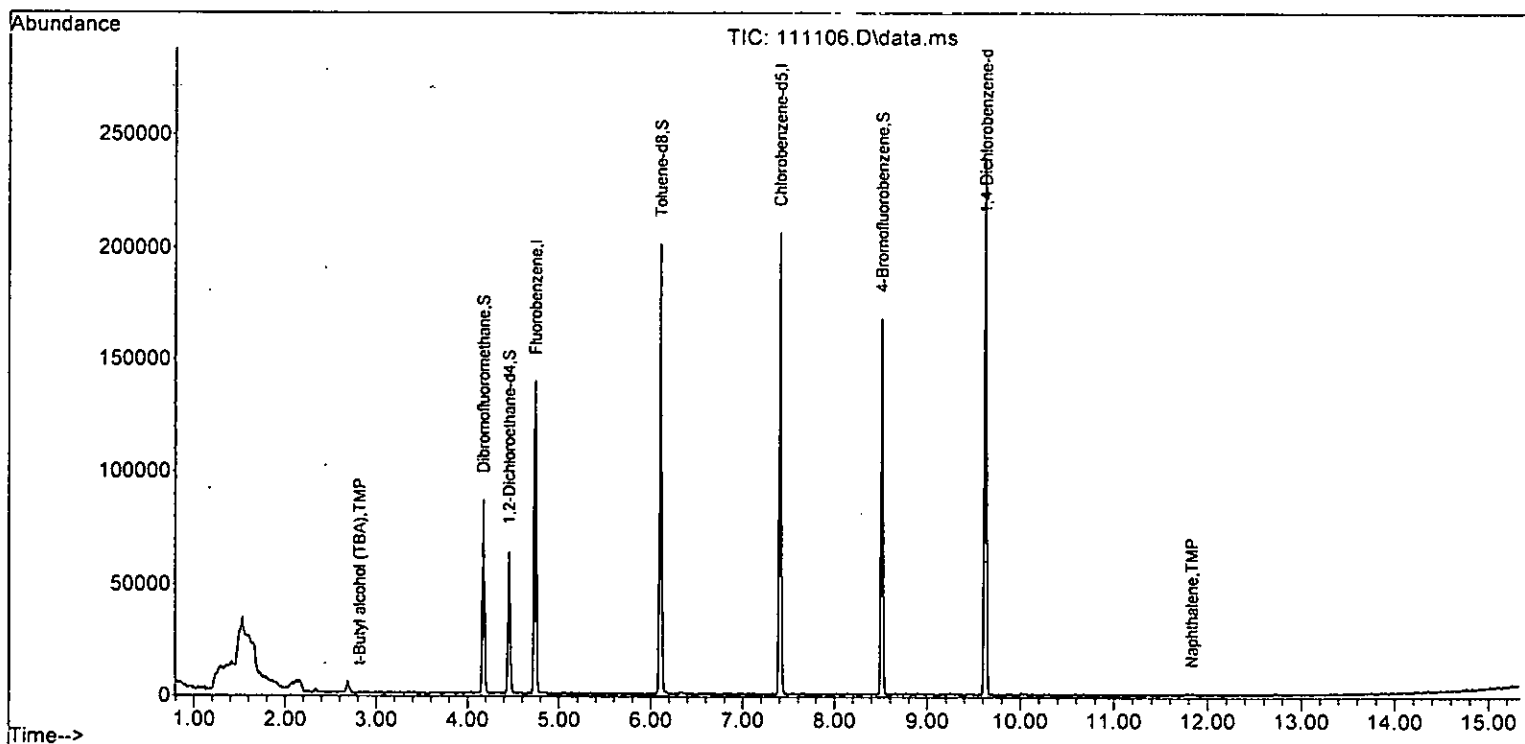
Quant Time: Nov 11 12:13:32 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
38) cis-1,3-Dichloropropene	0.000		0	N.D.	
40] Toluene	6.164	92	97	Below Cal	87
41) trans-1,3-Dichloropropene	6.267	75	123	N.D.	
42] 1,1,2-Trichloroethane	6.527	83	21	Below Cal	86
43) 2-Hexanone	6.724	43	42	N.D.	
44) 1,3-Dichloropropane	0.000		0	N.D.	
45] Tetrachloroethene	6.648	164	51	Below Cal #	78
46) Dibromochloromethane	0.000		0	N.D.	
47) 1,2-Dibromoethane (EDB)	6.984	107	36	N.D.	
48) Chlorobenzene	7.439	112	36	N.D.	
49) Ethylbenzene	7.539	91	161	N.D.	
50) 1,1,1,2-Tetrachloroethane	0.000		0	N.D.	
51] m,p-Xylene	7.651	106	148	0.023 ppb	87
52) o-Xylene	8.022	106	56	N.D.	
53) Styrene	8.034	104	99	N.D.	
54) Isopropylbenzene	8.370	105	147	N.D.	
55) Bromoform	0.000		0	N.D.	
58) n-Propylbenzene	8.758	91	279	N.D.	
59) Bromobenzene	0.000		0	N.D.	
60) 1,3,5-Trimethylbenzene	8.939	105	184	N.D.	
61) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.	
62) 1,2,3-Trichloropropane	8.887	75	120	N.D.	
63) 2-Chlorotoluene	8.844	91	245	N.D.	
64) 4-Chlorotoluene	8.844	91	245	N.D.	
65) tert-Butylbenzene	9.250	119	121	N.D.	
66) 1,2,4-Trimethylbenzene	9.298	105	210	N.D.	
67) sec-Butylbenzene	9.472	105	213	N.D.	
68) p-Isopropyltoluene	9.610	119	277	N.D.	
69) 1,3-Dichlorobenzene	9.555	146	237	N.D.	
70) 1,4-Dichlorobenzene	9.645	146	175	N.D.	
71) 1,2-Dichlorobenzene	10.012	146	137	N.D.	
72) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.	
73) 1,2,4-Trichlorobenzene	11.592	180	237	N.D.	
74) Hexachlorobutadiene	11.772	225	156	N.D.	
75) Naphthalene	11.835	128	588	0.129 ppb	85
76) 1,2,3-Trichlorobenzene	12.077	180	207	N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS13\11-11-22\
 Data File : 111106.D
 Acq On : 11 Nov 2022 09:40 am
 Operator : WE
 Sample : 02-2752 mb
 Misc : soil
 ALS Vial : 3 Sample Multiplier: 1
 InstName : GCMS13

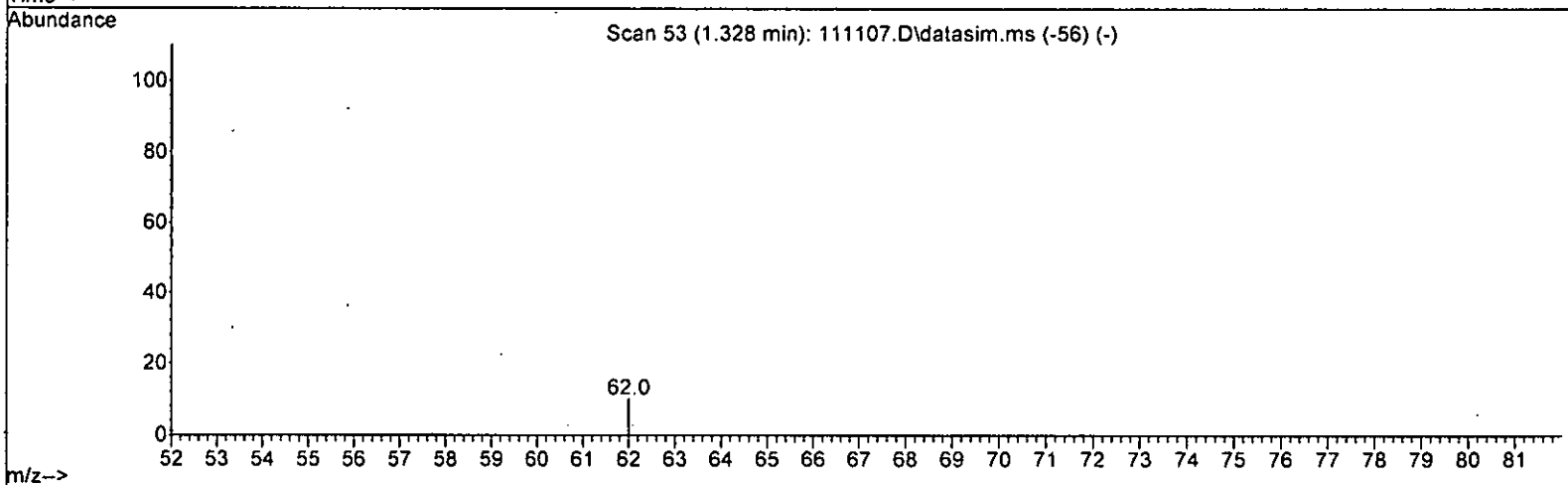
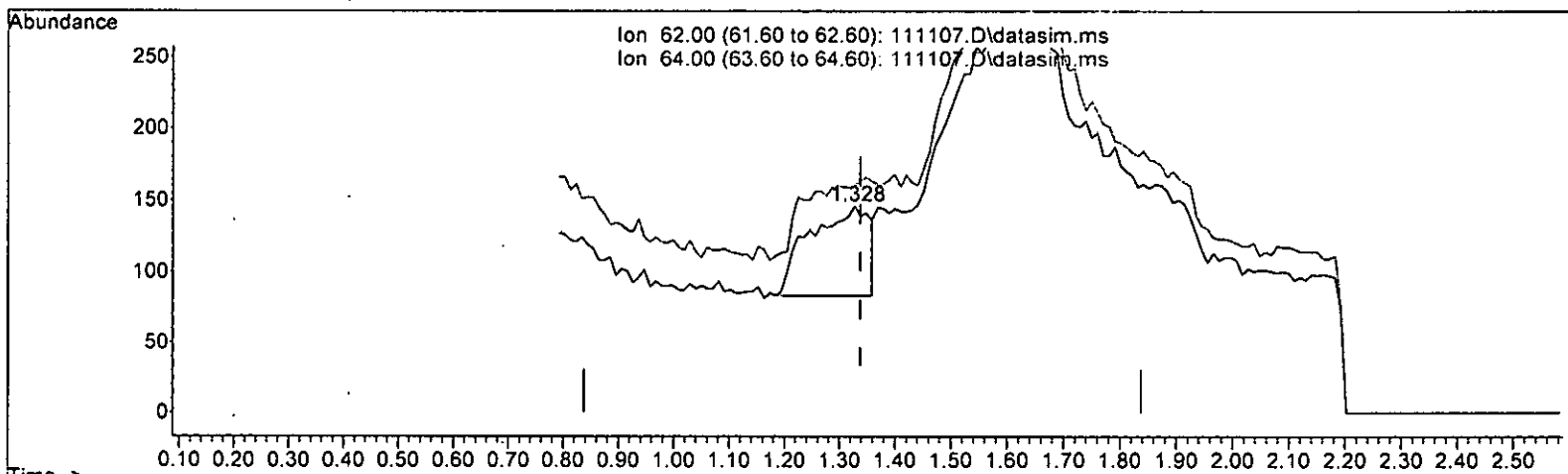
Quant Time: Nov 11 12:13:32 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-11-22\
 Data File : 111107.D
 Acq On : 11 Nov 2022 10:03 am
 Operator : WE
 Sample : 02-2752 mb 1/0.25
 Misc : soil
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 11 12:13:36 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration



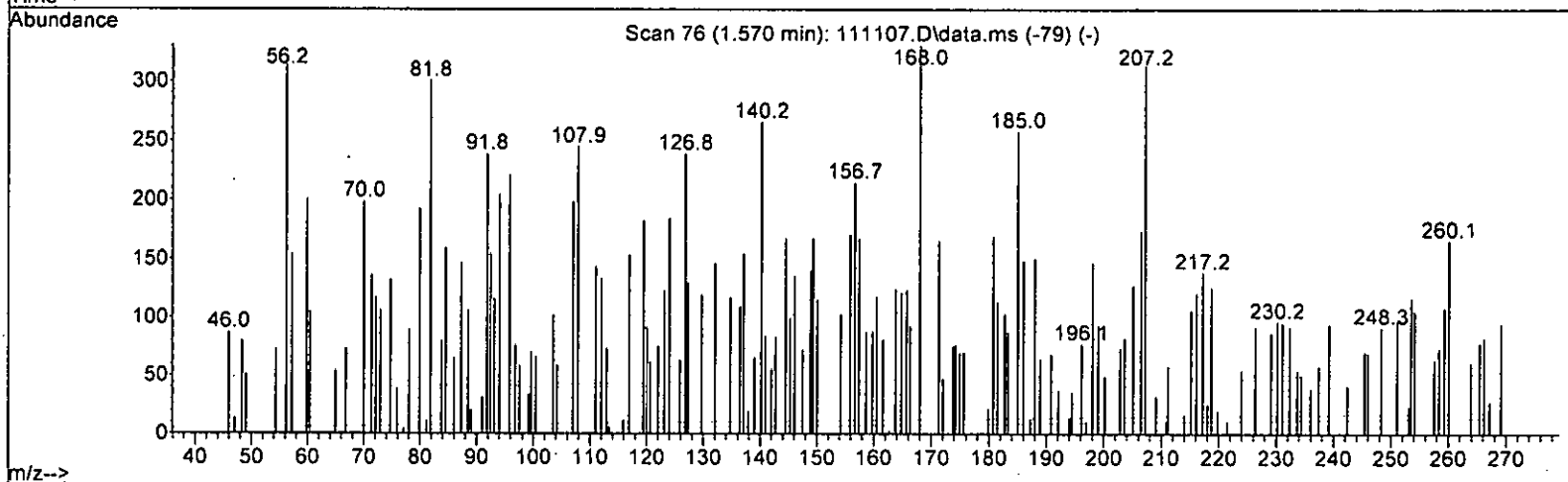
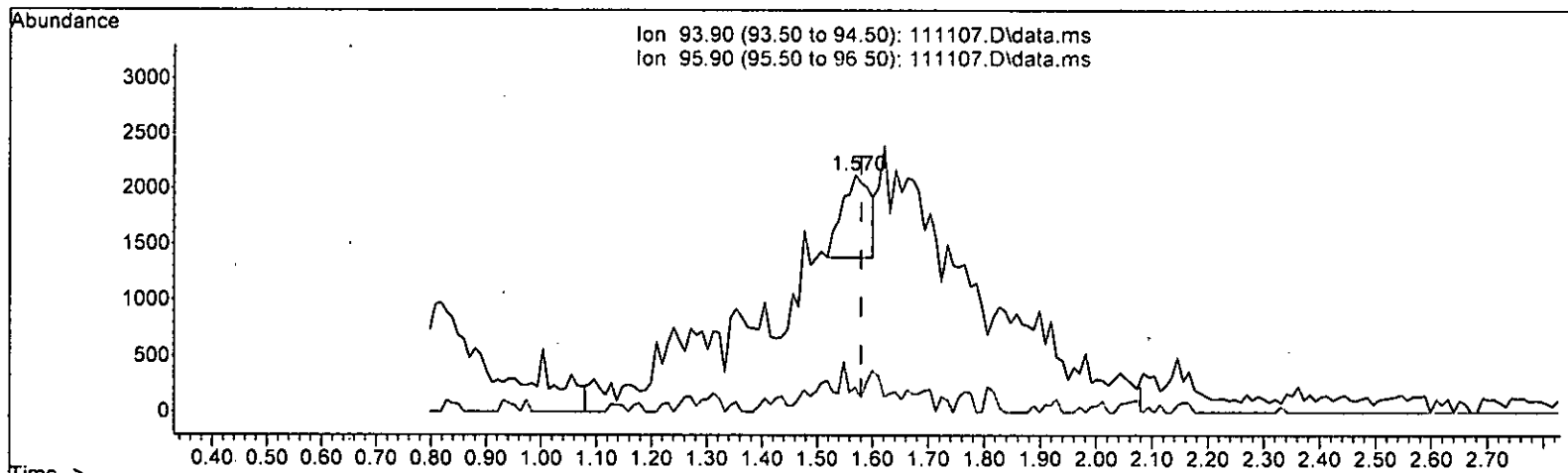
TIC: 111107.D\data.ms

(6) Vinyl chloride (TMP)		
1.328min (-0.010) 0.072 ppb		
response	470	
Ion	Expt%	Act%
62.00	100.00	100.00
64.00	34.40	77.78#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-11-22\
 Data File : 111107.D
 Acq On : 11 Nov 2022 10:03 am
 Operator : WE
 Sample : 02-2752 mb 1/0.25
 Misc : soil
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 11 12:13:36 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration



TIC: 111107.D\data.ms

(7) . Bromomethane (TMP)

1.570min (-0.010) 0.476 ppb

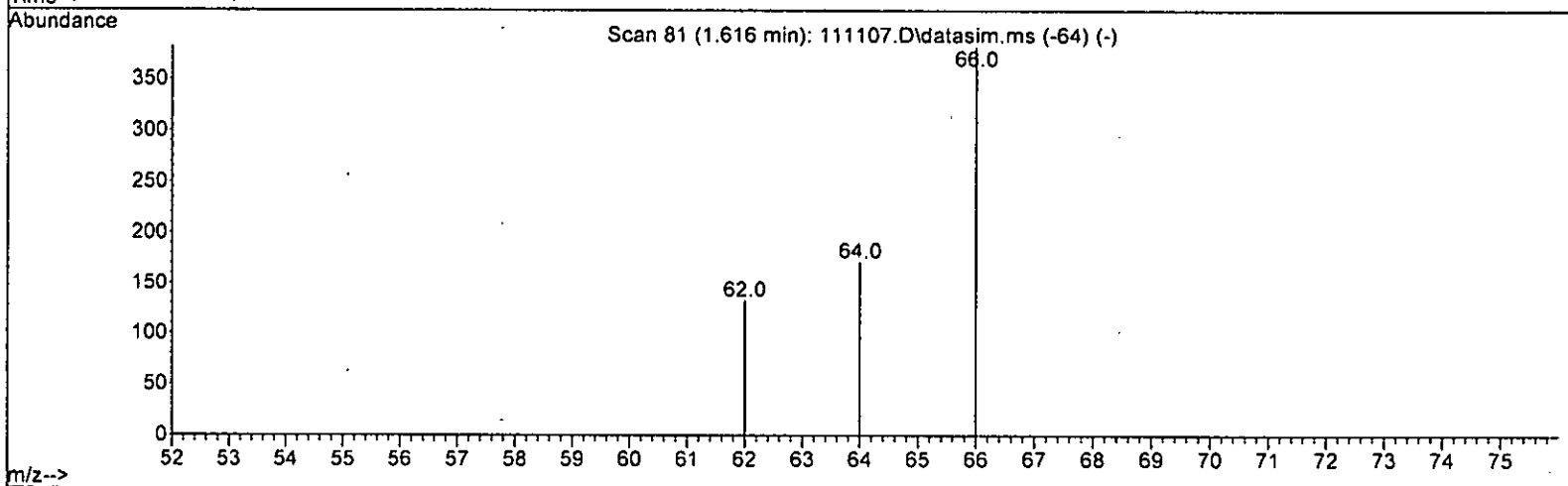
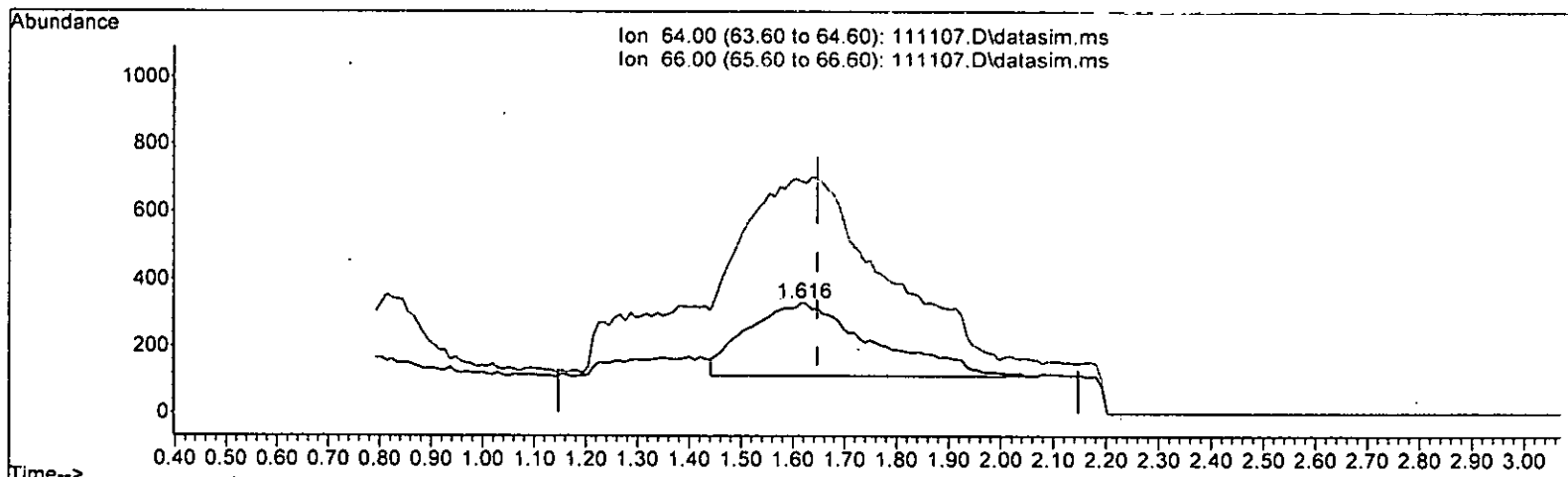
response 2630

Ion	Exp%	Act%
93.90	100.00	100.00
95.90	93.50	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-11-22\
 Data File : 111107.D
 Acq On : 11 Nov 2022 10:03 am
 Operator : WE
 Sample : 02-2752 mb 1/0.25
 Misc : soil
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 11 12:13:36 2022
 Quant Method : .Y:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration



TIC: 111107.D\data.ms

(8) Chloroethane (TMP)

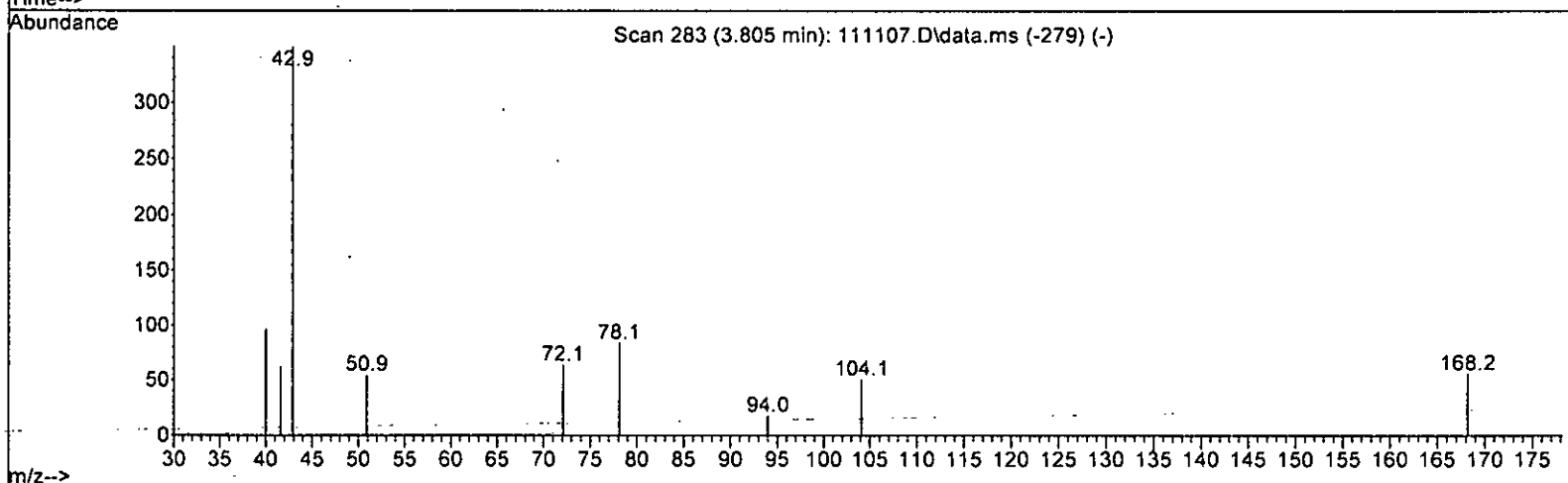
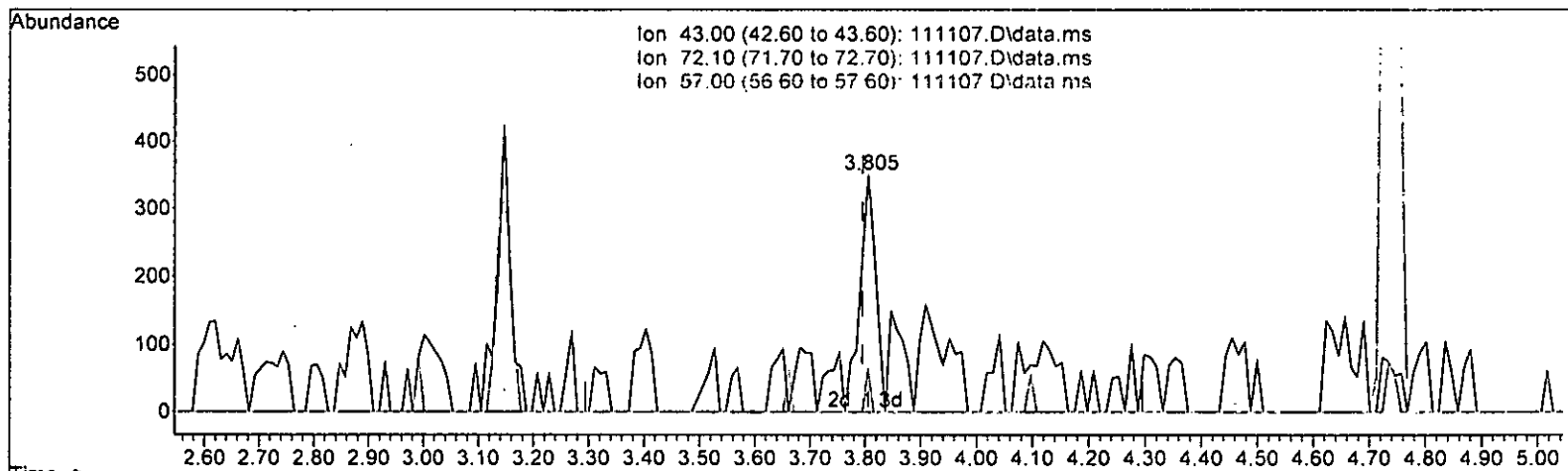
1.616min (-0.031) 1.256 ppb

response	3673	
Ion	Exp%	Act%
64.00	100.00	100.00
66.00	30.90	242.01#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-11-22\
 Data File : 111107.D
 Acq On : 11 Nov 2022 10:03 am
 Operator : WE
 Sample : 02-2752 mb 1/0.25
 Misc : soil
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 11 12:13:36 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration



TIC: 111107.D\data.ms

(24) 2-Butanone (MEK) (TMP)

3.805min (+ 0.010) 0.172 ppb

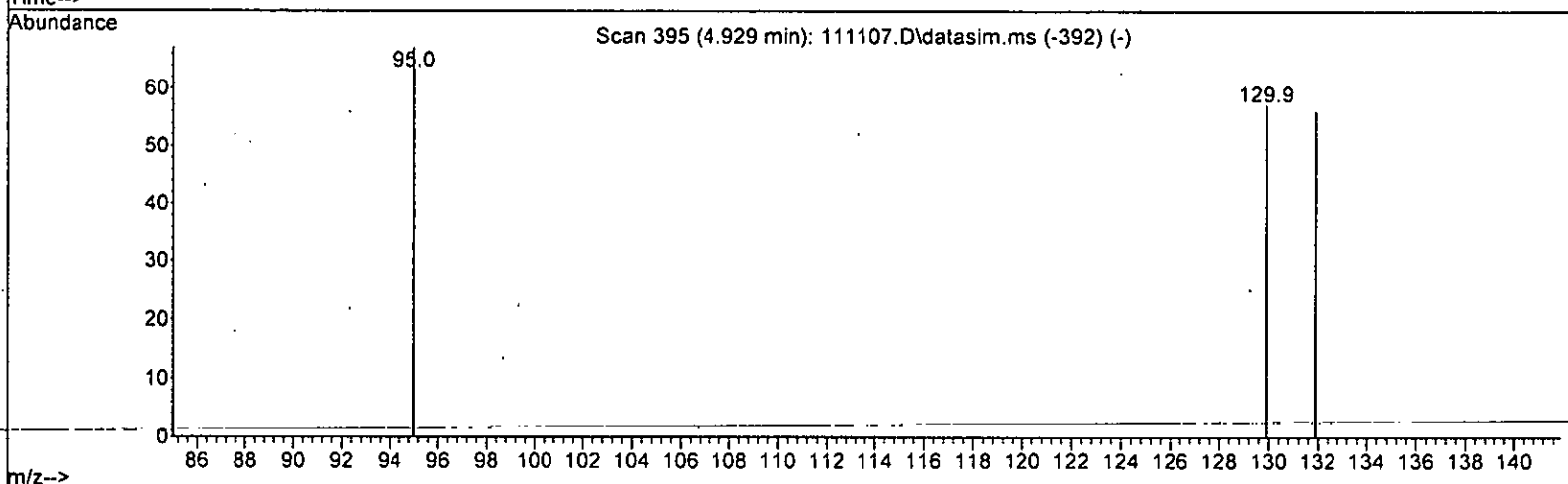
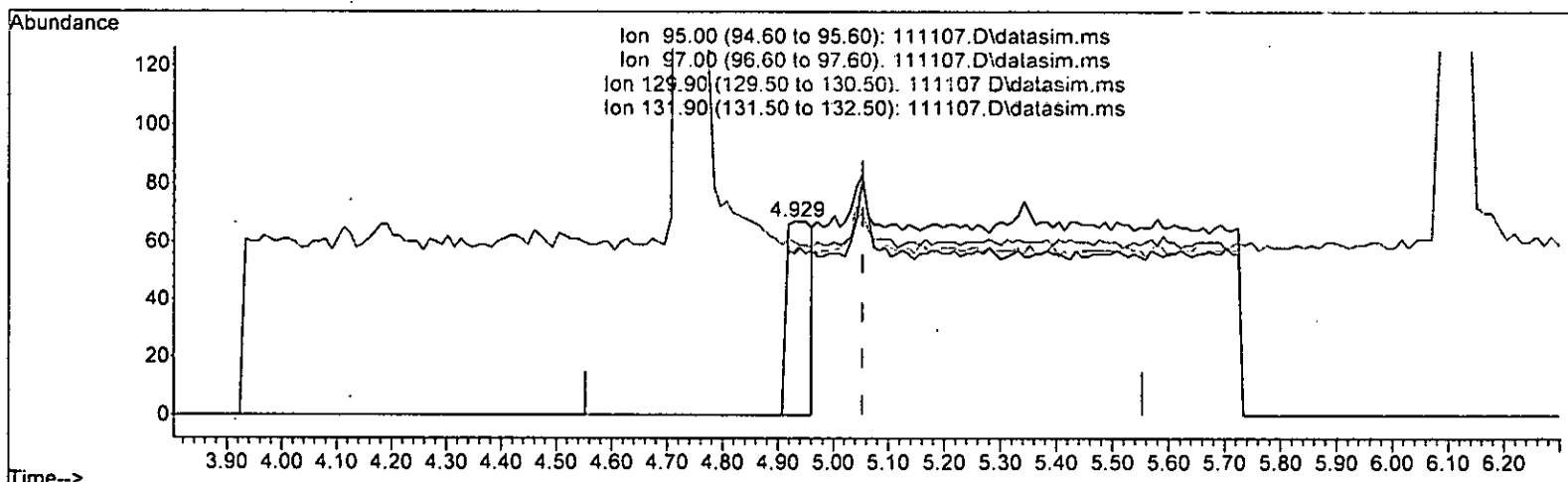
response 687

Ion	Exp%	Act%
43.00	100.00	100.00
72.10	27.00	18.00
57.00	8.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-11-22\
 Data File : 111107.D
 Acq On : 11 Nov 2022 10:03 am
 Operator : WE
 Sample : 02-2752 mb 1/0.25
 Misc : soil
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 11 12:13:36 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration



TIC: 111107.D\data.ms

(32) Trichloroethene (TMP)

4.929min (-0.124) 0.045 ppb

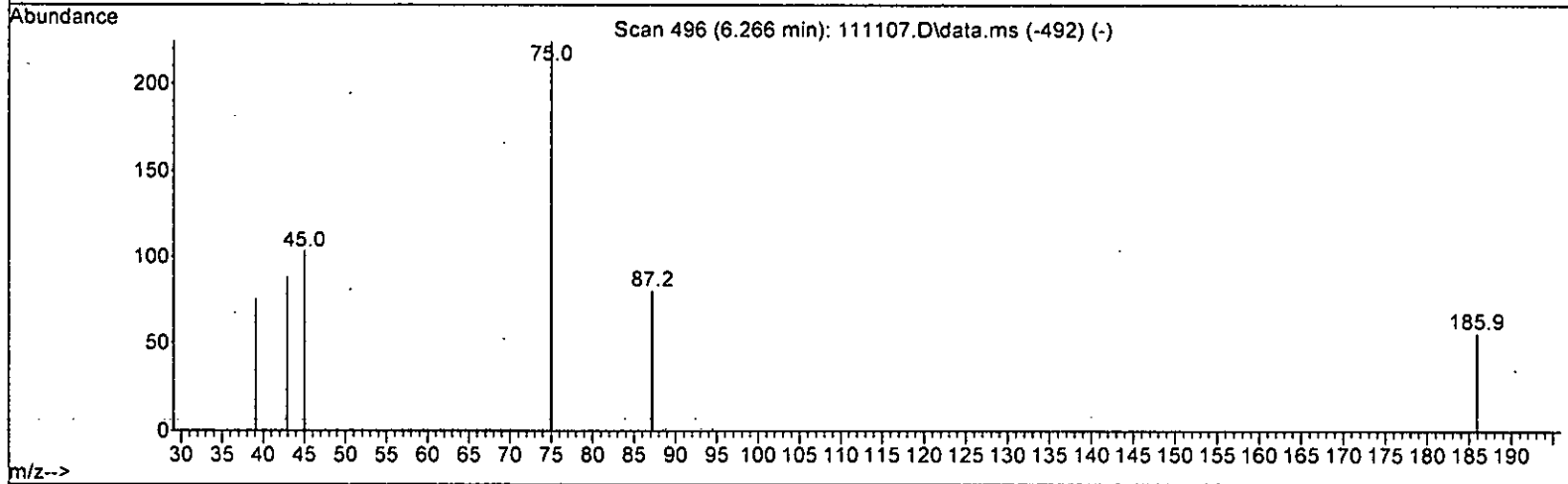
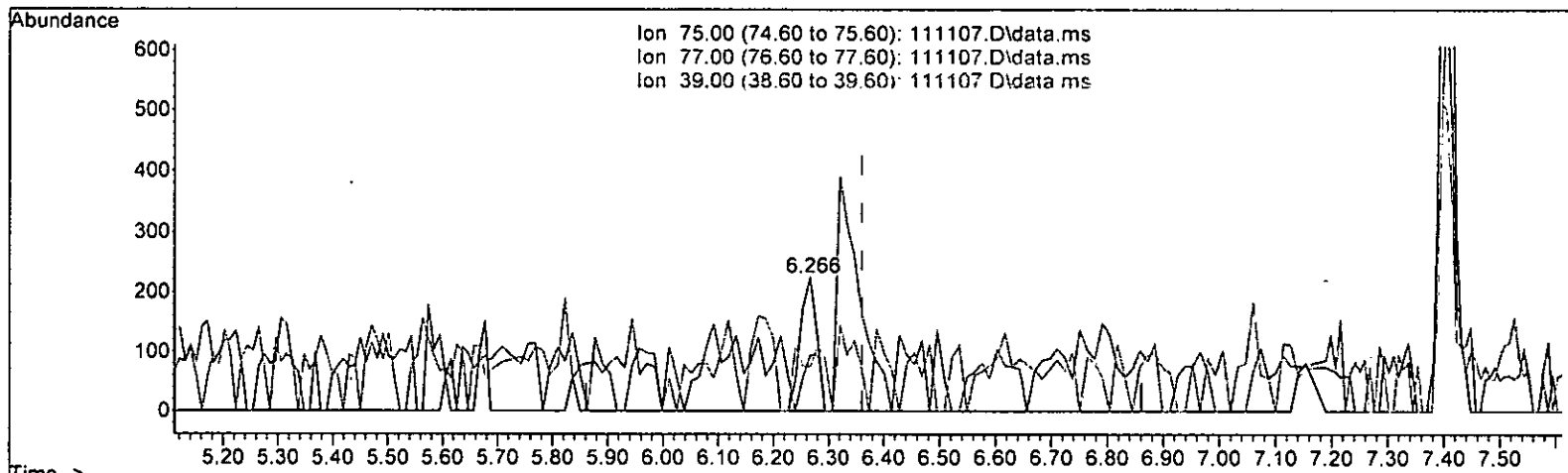
response 211

Ion	Exp%	Act%
95.00	100.00	100.00
97.00	64.60	2.99#
129.90	103.40	85.07
131.90	95.80	83.58

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-11-22\
 Data File : 111107.D
 Acq On : 11 Nov 2022 10:03 am
 Operator : WE
 Sample : 02-2752 mb 1/0.25
 Misc : soil
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 11 12:13:36 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration



TIC: 111107.D\data.ms

(41) trans-1,3-Dichloropropene (TMP)

6.266min (-0.095) 0.130 ppb

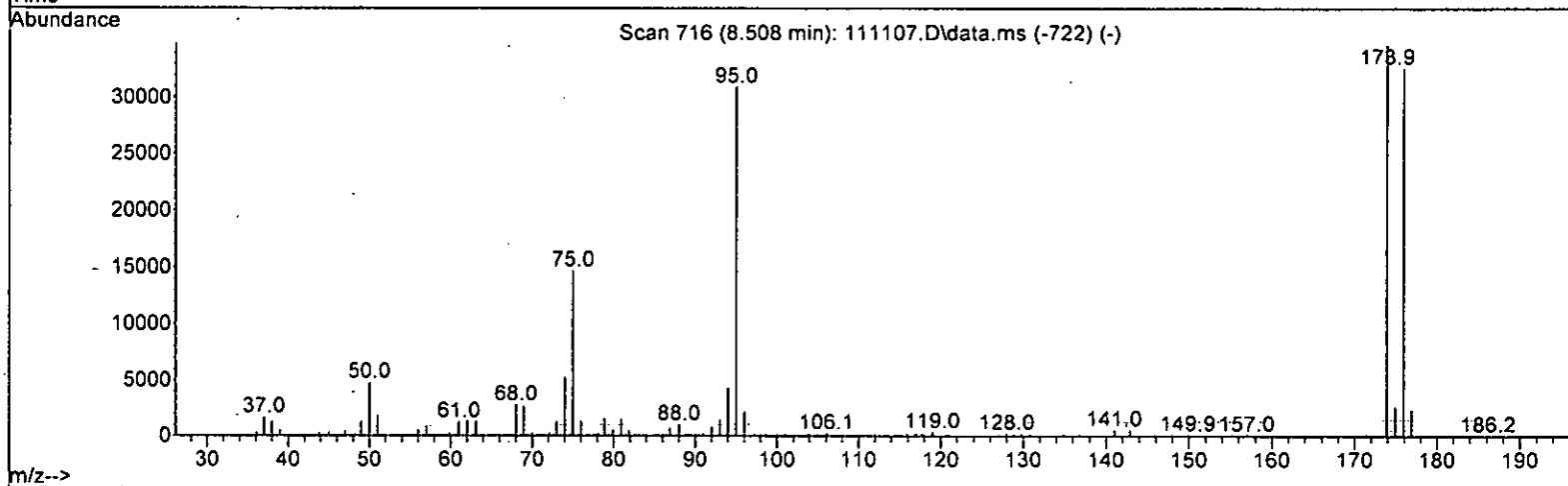
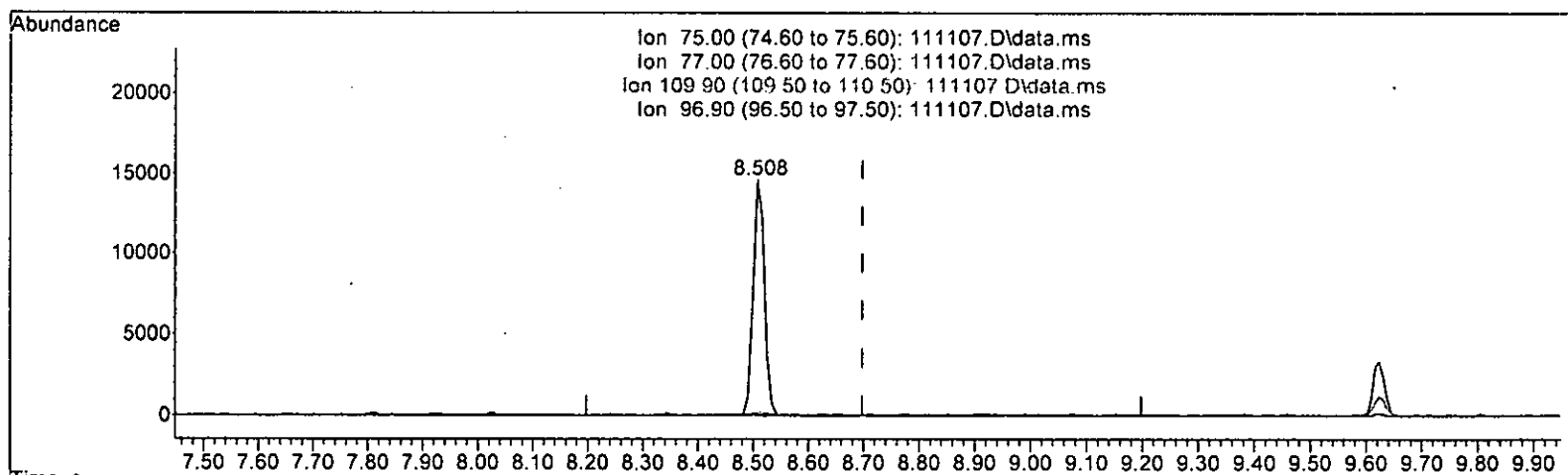
response 459

Ion	Exp%	Act%
75.00	100.00	100.00
77.00	32.60	41.96
39.00	46.30	33.48
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-11-22\
 Data File : 111107.D
 Acq On : 11 Nov 2022 10:03 am
 Operator : WE
 Sample : 02-2752 mb 1/0.25
 Misc : soil
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 11 12:13:36 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration



TIC: 111107.D\data.ms

(62) 1,2,3-Trichloropropane (TMP)

8.508min (-0.190) 6.789 ppb

response 20599

Ion	Exp%	Act%
75.00	100.00	100.00
77.00	34.00	0.52#
109.90	36.50	0.00#
96.90	22.60	0.37

Data Path : Y:\Proc_GCMS13\11-11-22\
 Data File : 111107.D
 Acq On : 11 Nov 2022 10:03 am
 Operator : WE
 Sample : 02-2752 mb 1/0.25
 Misc : soil
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 11 12:13:36 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration

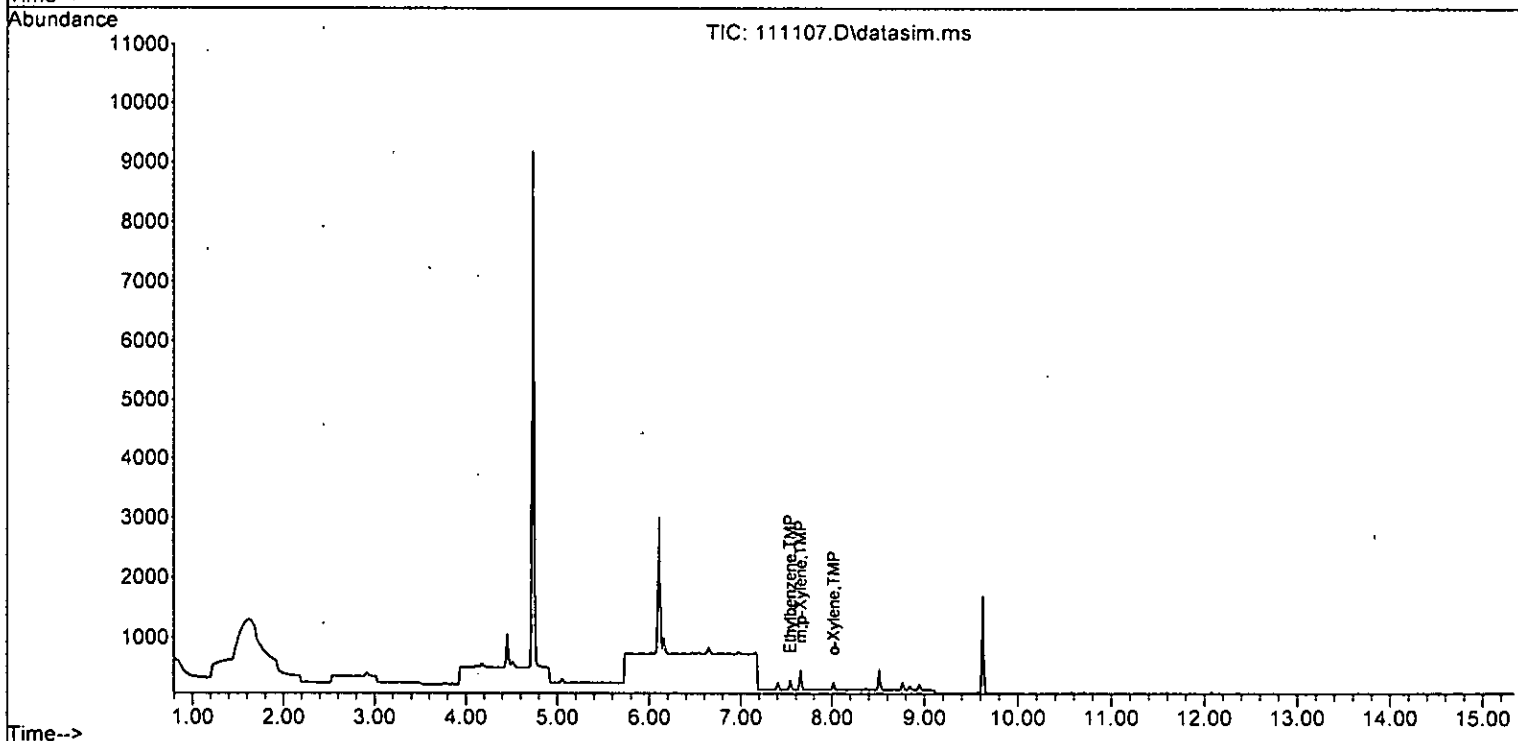
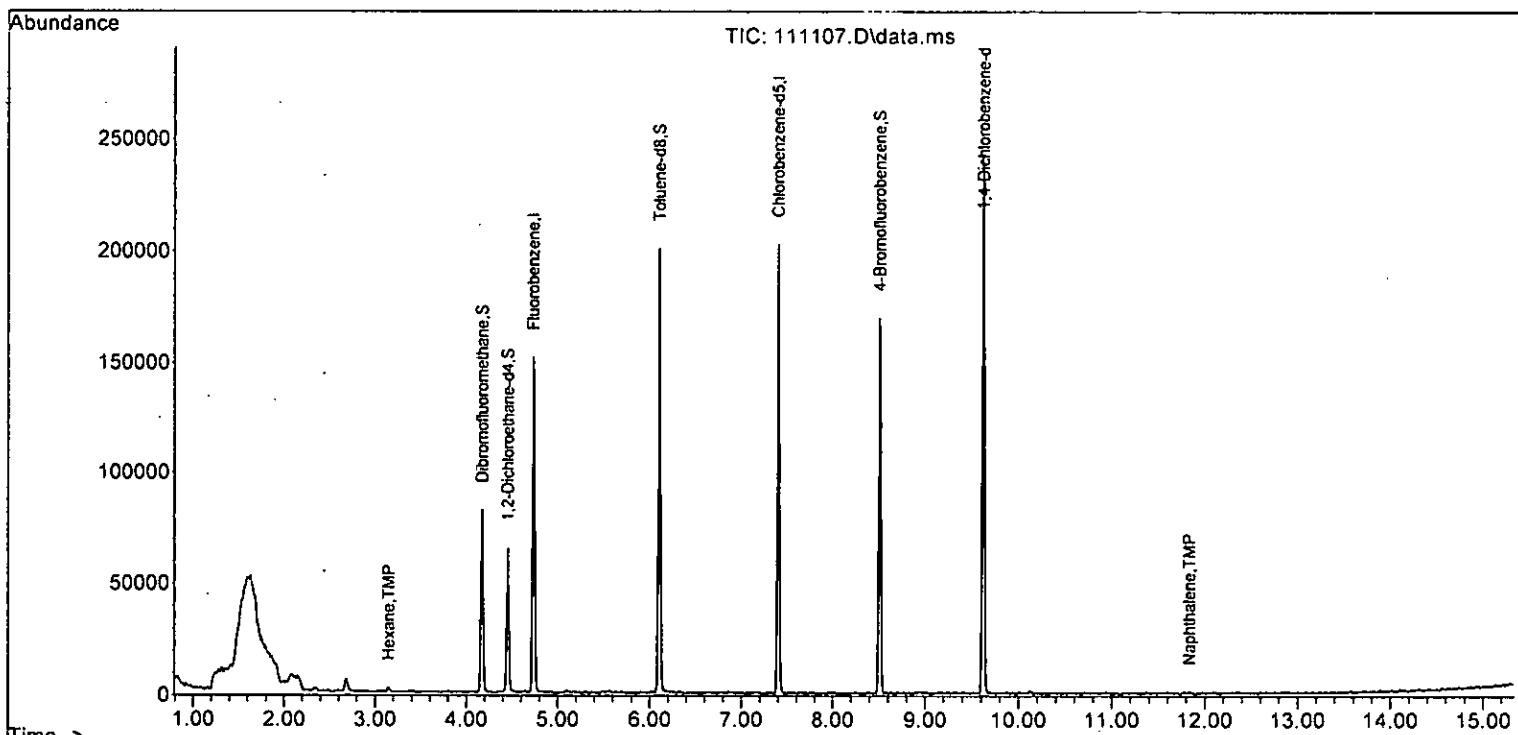
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

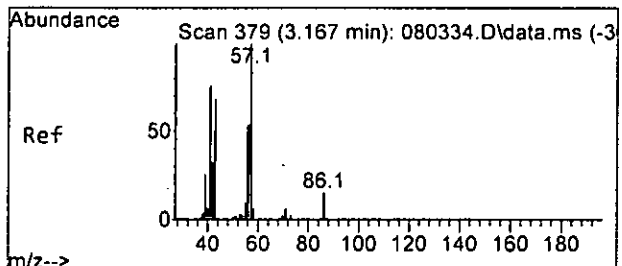
Internal Standards						
1) Fluorobenzene	4.734	96	127851	10.000	ppb	-0.01
39) Chlorobenzene-d5	7.405	117	105126	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.624	152	62407	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.175	113	37596	9.170	ppb	0.00
Spiked Amount	10.000	Range 50 - 150	Recovery	=	91.70%	
30) 1,2-Dichloroethane-d4	4.455	102	7320	9.213	ppb	0.00
Spiked Amount	10.000	Range 84 - 120	Recovery	=	92.10%	
35) Toluene-d8	6.105	98	110725	9.081	ppb	0.00
Spiked Amount	10.000	Range 73 - 128	Recovery	=	90.80%	
57) 4-Bromofluorobenzene	8.508	95	42200	9.814	ppb	0.00
Spiked Amount	10.000	Range 57 - 146	Recovery	=	98.10%	
Target Compounds						
						Qvalue
11) Acetone	2.341	58	326	Below Cal	#	27
13) Hexane	3.146	57	607	0.147	ppb #	23
14) Methylene chloride	2.682	84	3246	Below Cal		84
26] 1,2-Dichloroethane (EDC)	4.516	62	101	Below Cal		100
40] Toluene	6.164	92	142	Below Cal		90
45] Tetrachloroethene	6.648	164	43	Below Cal		87
49] Ethylbenzene	7.539	91	166	0.010	ppb	90
51] m,p-Xylene	7.651	106	170	0.026	ppb #	80
52] o-Xylene	8.022	106	68	0.011	ppb #	76
75) Naphthalene	11.835	128	415	0.114	ppb	69

(#) = qualifier out of range (m) = manual integration (+) = signals summed

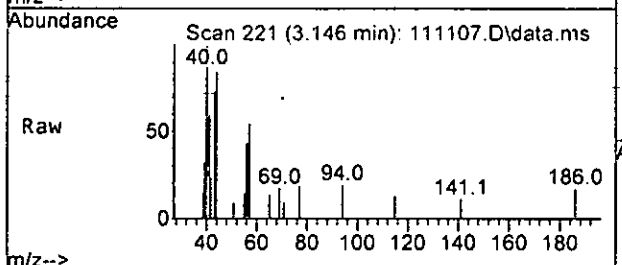
Data Path : Y:\Proc_GCMS13\11-11-22\
Data File : 111107.D
Acq On : 11 Nov 2022 10:03 am
Operator : WE
Sample : 02-2752 mb 1/0.25
Misc : soil
ALS Vial : 4 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Nov 11 12:13:36 2022
Quant Method : Y:\Methods\Inst13\VB110522ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Mon Nov 07 15:16:10 2022
Response via : Initial Calibration

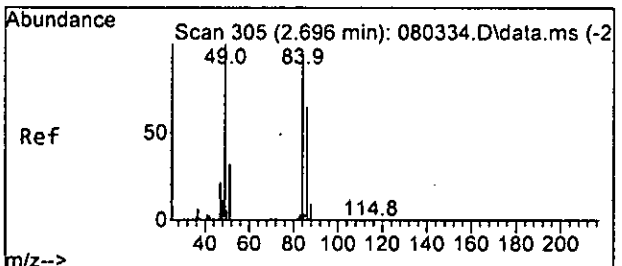
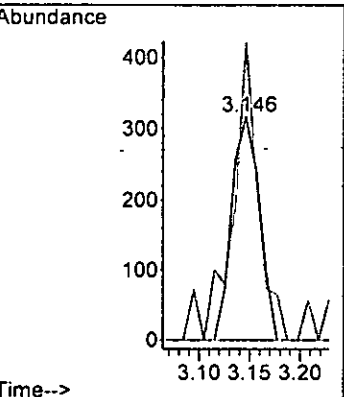
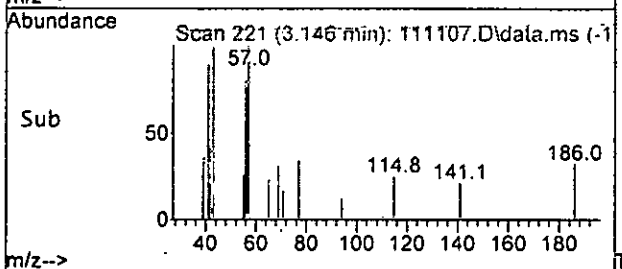




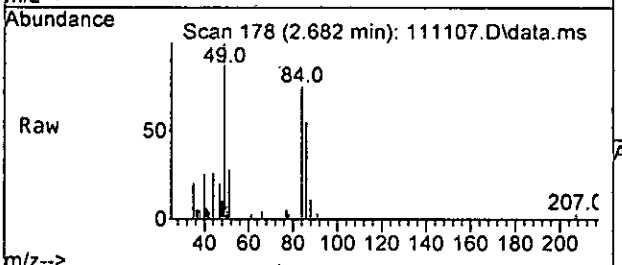
#13
 Hexane
 Concen: 0.147 ppb
 RT: 3.146 min Scan# 221
 Delta R.T. -0.011 min
 Lab File: 111107.D
 Acq: 11 Nov 2022 10:03 am



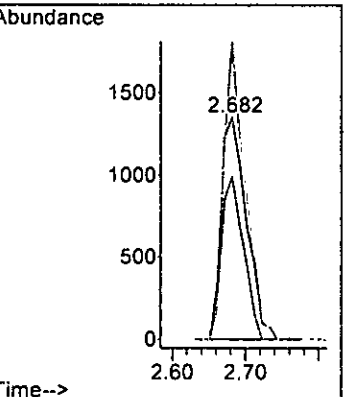
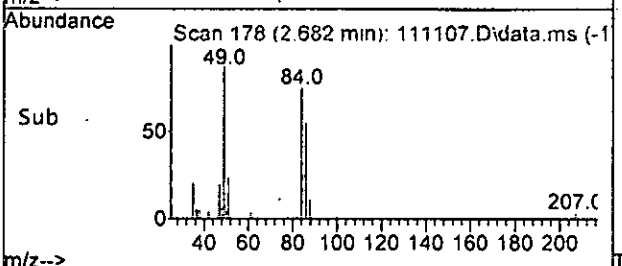
Tgt Ion: 57 Resp: 607
 Ion Ratio Lower Upper
 57 100
 43 133.4 35.4 95.4#
 86 0.0 0.0 44.8

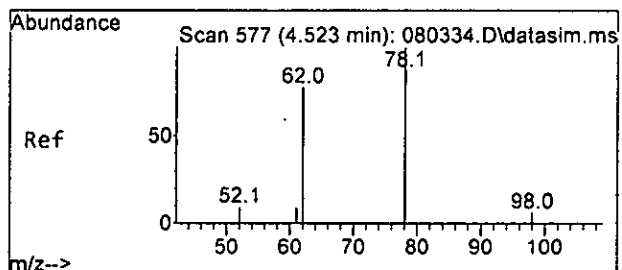


#14
 Methylene chloride
 Concen: Below Cal
 RT: 2.682 min Scan# 178
 Delta R.T. -0.000 min
 Lab File: 111107.D
 Acq: 11 Nov 2022 10:03 am



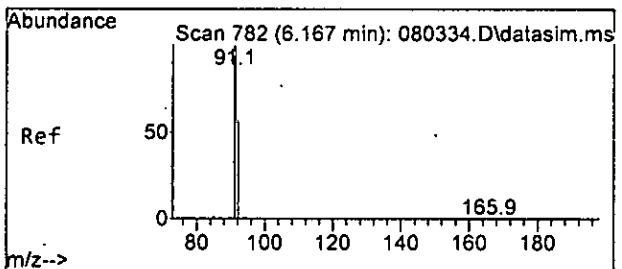
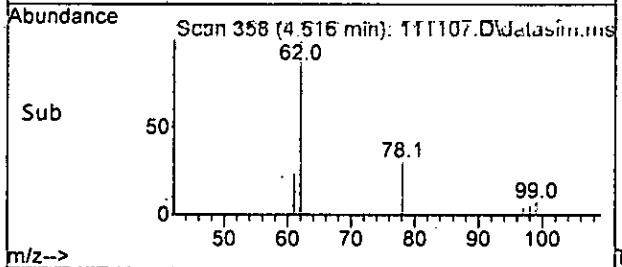
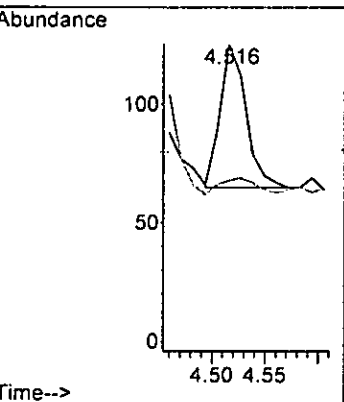
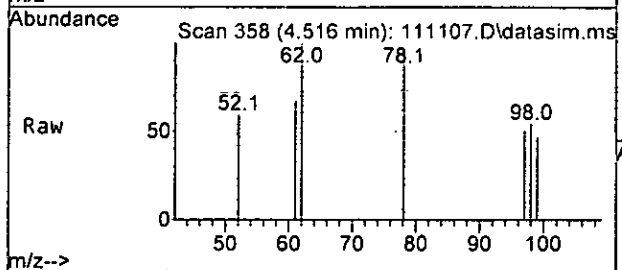
Tgt Ion: 84 Resp: 3246
 Ion Ratio Lower Upper
 84 100
 86 73.2 37.1 97.1
 49 133.5 81.3 141.3





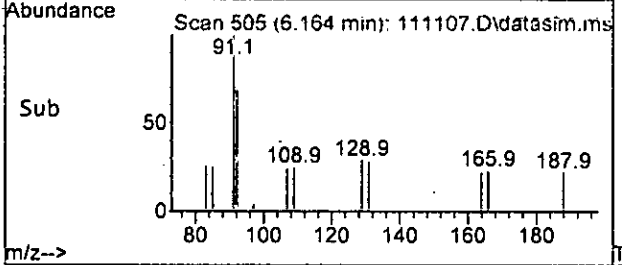
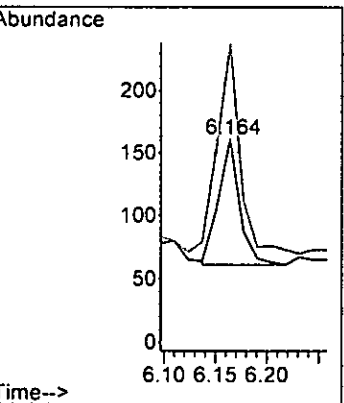
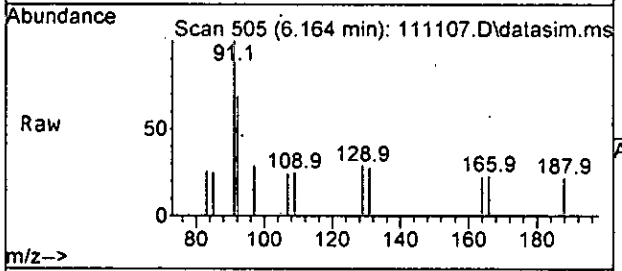
#26
 1,2-Dichloroethane (EDC)
 Concen: Below Cal
 RT: 4.516 min Scan# 358
 Delta R.T. -0.011 min
 Lab File: 111107.D
 Acq: 11 Nov 2022 10:03 am

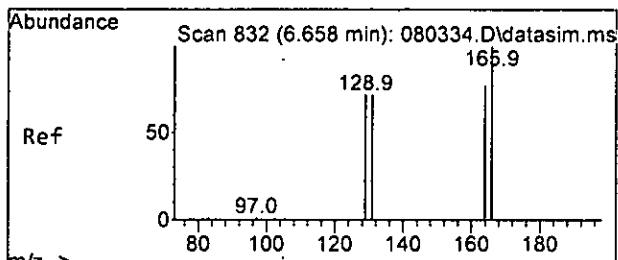
Tgt Ion: 62 Resp: 101
 Ion Ratio Lower Upper
 62 100
 98 10.0 0.0 40.1



#40
 Toluene
 Concen: Below Cal
 RT: 6.164 min Scan# 505
 Delta R.T. -0.000 min
 Lab File: 111107.D
 Acq: 11 Nov 2022 10:03 am

Tgt Ion: 92 Resp: 142
 Ion Ratio Lower Upper
 92 100
 91 165.0 148.5 208.5

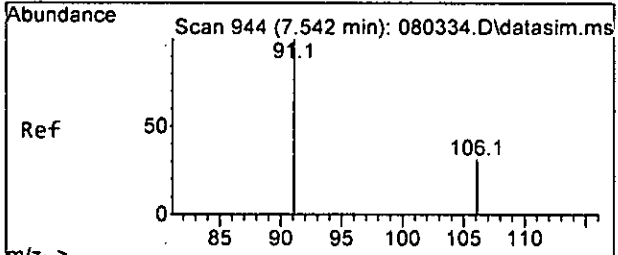
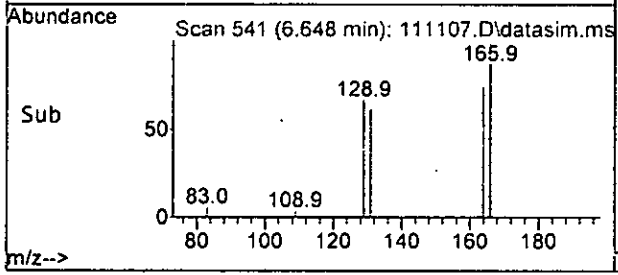
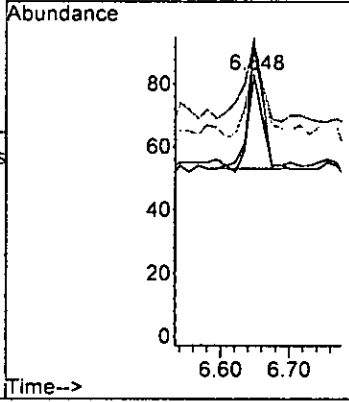
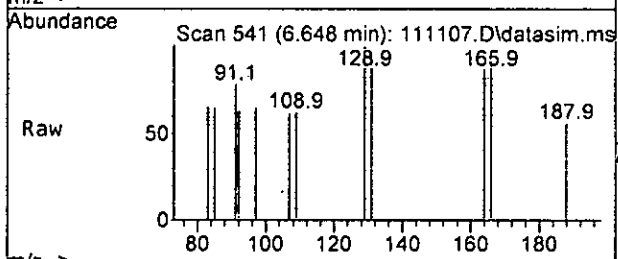




#45
 Tetrachloroethene
 Concen: Below Cal
 RT: 6.648 min Scan# 541
 Delta R.T. -0.000 min
 Lab File: 111107.D
 Acq: 11 Nov 2022 10:03 am

Tgt Ion: 164 Resp: 43

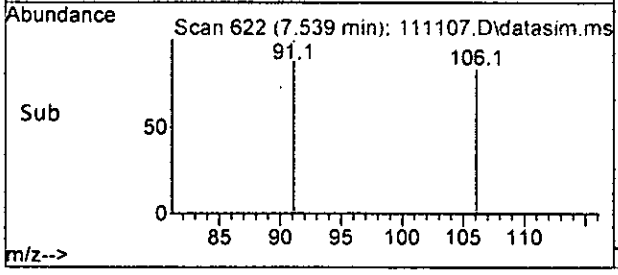
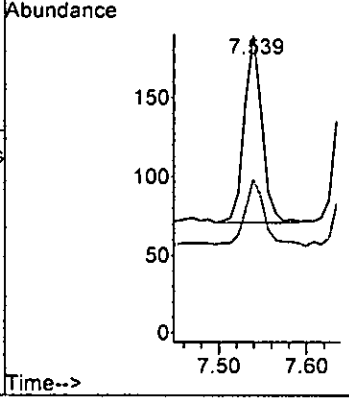
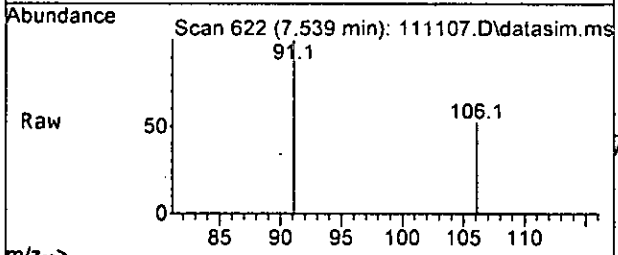
Ion	Ratio	Lower	Upper
164	100		
129	86.7	72.1	132.1
131	80.0	64.8	124.8
166	130.0	90.0	150.0

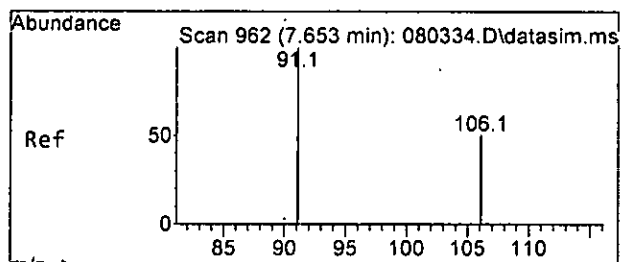


#49
 Ethylbenzene
 Concen: 0.010 ppb
 RT: 7.539 min Scan# 622
 Delta R.T. -0.000 min
 Lab File: 111107.D
 Acq: 11 Nov 2022 10:03 am

Tgt Ion: 91 Resp: 166

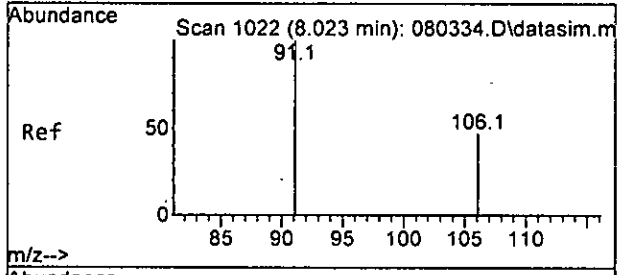
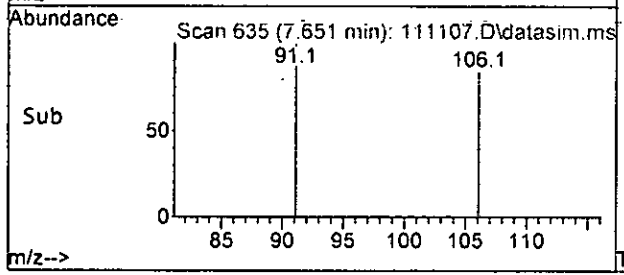
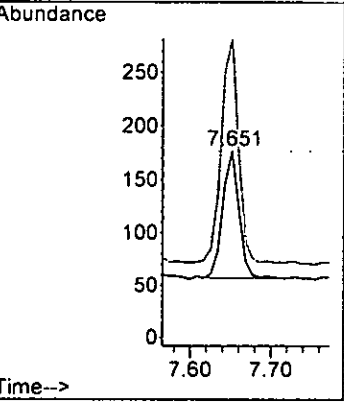
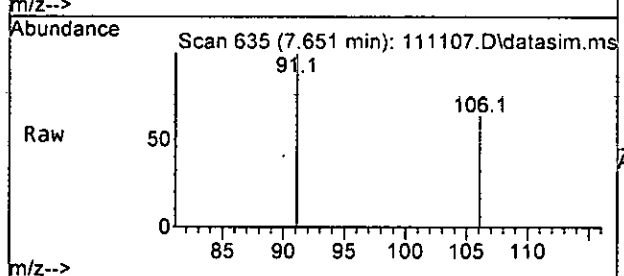
Ion	Ratio	Lower	Upper
91	100		
106	35.3	0.0	59.7





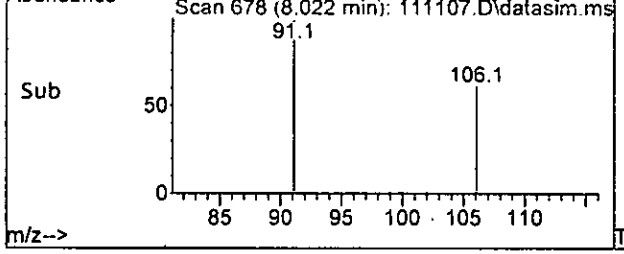
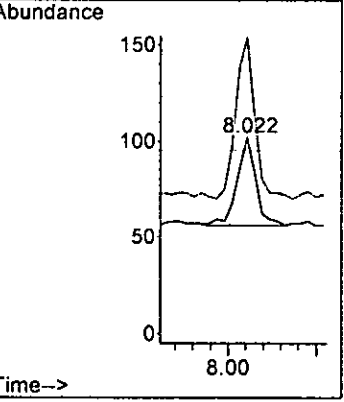
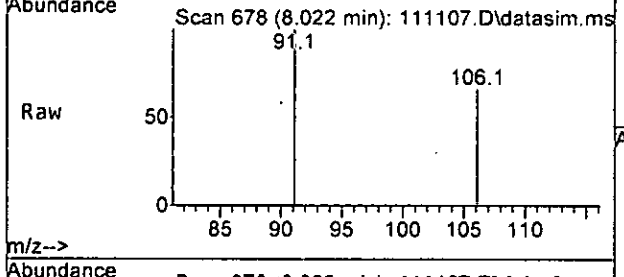
#51
 m,p-Xylene
 Concen: 0.026 ppb
 RT: 7.651 min Scan# 635
 Delta R.T. 0.000 min
 Lab File: 111107.D
 Acq: 11 Nov 2022 10:03 am

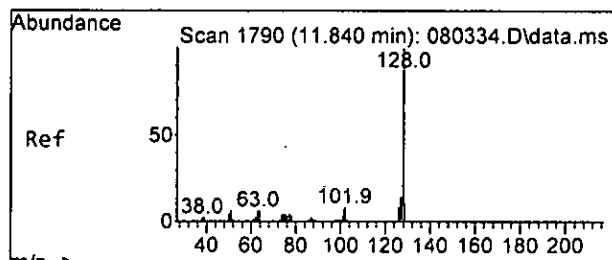
Tgt Ion:106 Resp: 170
 Ion Ratio Lower Upper
 106 100
 91 175.0 175.7 235.7#



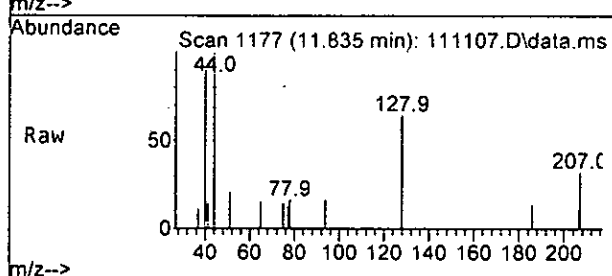
#52
 o-Xylene
 Concen: 0.011 ppb
 RT: 8.022 min Scan# 678
 Delta R.T. -0.000 min
 Lab File: 111107.D
 Acq: 11 Nov 2022 10:03 am

Tgt Ion:106 Resp: 68
 Ion Ratio Lower Upper
 106 100
 91 178.3 186.4 246.4#



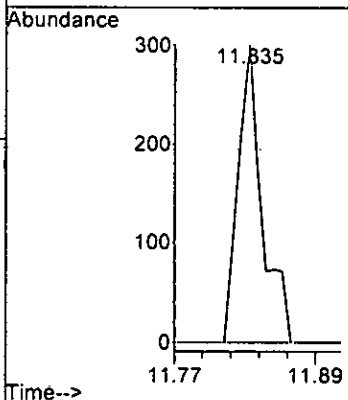
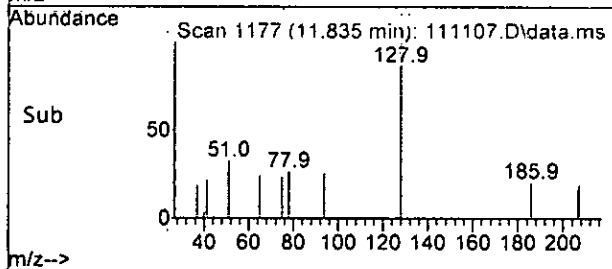


#75
 Naphthalene
 Concen: 0.114 ppb
 RT: 11.835 min Scan# 1177
 Delta R.T. -0.001 min
 Lab File: 111107.D
 Acq: 11 Nov 2022 10:03 am



Tgt Ion:128 Resp: 415

Ion	Ratio	Lower	Upper
128	100		
129	0.0	0.0	40.8
127	0.0	0.0	43.1



Data Path : Y:\Proc_GCMS13\11-11-22\
 Data File : 111107.D
 Acq On : 11 Nov 2022 10:03 am
 Operator : WE
 Sample : 02-2752 mb 1/0.25
 Misc : soil
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 11 12:13:36 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 Qlast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	4.734	96	127851	10.000	ppb	-0.01	
39) Chlorobenzene-d5	7.405	117	105126	10.000	ppb	0.00	
56) 1,4-Dichlorobenzene-d4	9.624	152	62407	10.000	ppb	0.00	
System Monitoring Compounds							
3) Dibromofluoromethane	4.175	113	37596	9.170	ppb	0.00	
Spiked Amount	10.000	Range	50 - 150	Recovery	=	91.70%	
30) 1,2-Dichloroethane-d4	4.455	102	7320	9.213	ppb	0.00	
Spiked Amount	10.000	Range	84 - 120	Recovery	=	92.10%	
35) Toluene-d8	6.105	98	110725	9.081	ppb	0.00	
Spiked Amount	10.000	Range	73 - 128	Recovery	=	90.80%	
57) 4-Bromofluorobenzene	8.508	95	42200	9.814	ppb	0.00	
Spiked Amount	10.000	Range	57 - 146	Recovery	=	98.10%	
Target Compounds							
							Qvalue
2) Ethanol	2.352	45	227	No Calib			
4) Dichlorodifluoromethane	0.000		0	N.D.			
5) Chloromethane	1.230	50	490	N.D.			
6) Vinyl chloride	0.000		0	N.D. d			
7) Bromomethane	0.000		0	N.D. d			
8) Chloroethane	0.000		0	N.D. d			
9) Trichlorofluoromethane	1.817	101	127	N.D.			
10) 2-Propanol	2.352	45	227	No Calib	#		
11) Acetone	2.341	58	326	Below Cal	#	27	
12) 1,1-Dichloroethene	0.000		0	N.D.			
13) Hexane	3.146	57	607	0.147 ppb	#	23	
14) Methylene chloride	2.682	84	3246	Below Cal		84	
15) t-Butyl alcohol (TBA)	0.000		0	N.D.			
16) Methyl t-butyl ether (...)	0.000		0	N.D.			
17) trans-1,2-Dichloroethene	0.000		0	N.D.			
18) Diisopropyl ether (DIPE)	0.000		0	N.D.			
19) 1,1-Dichloroethane	0.000		0	N.D.			
20) Ethyl t-butyl ether (E...)	0.000		0	N.D.			
21) 2,2-Dichloropropane	3.743	77	186	N.D.			
22) cis-1,2-Dichloroethene	0.000		0	N.D.			
23) Chloroform	4.029	83	38	N.D.			
24) 2-Butanone (MEK)	0.000		0	N.D. d			
25) t-Amyl methyl ether (T...)	0.000		0	N.D.			
26] 1,2-Dichloroethane (EDC)	4.516	62	101	Below Cal		100	
27) 1,1,1-Trichloroethane	0.000		0	N.D.			
28) 1,1-Dichloropropene	0.000		0	N.D.			
29) Carbon tetrachloride	0.000		0	N.D.			
31) Benzene	4.504	78	95	N.D.			
32) Trichloroethene	0.000		0	N.D. d			
33) 1,2-Dichloropropane	5.182	63	33	N.D.			
34) Bromodichloromethane	0.000		0	N.D.			
36) Dibromomethane	0.000		0	N.D.			
37) 4-Methyl-2-pentanone	0.000		0	N.D.			

Data Path : Y:\Proc_GCMS13\11-11-22\
 Data File : 111107.D
 Acq On : 11 Nov 2022 10:03 am
 Operator : WE
 Sample : 02-2752 mb 1/0.25
 Misc : soil
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

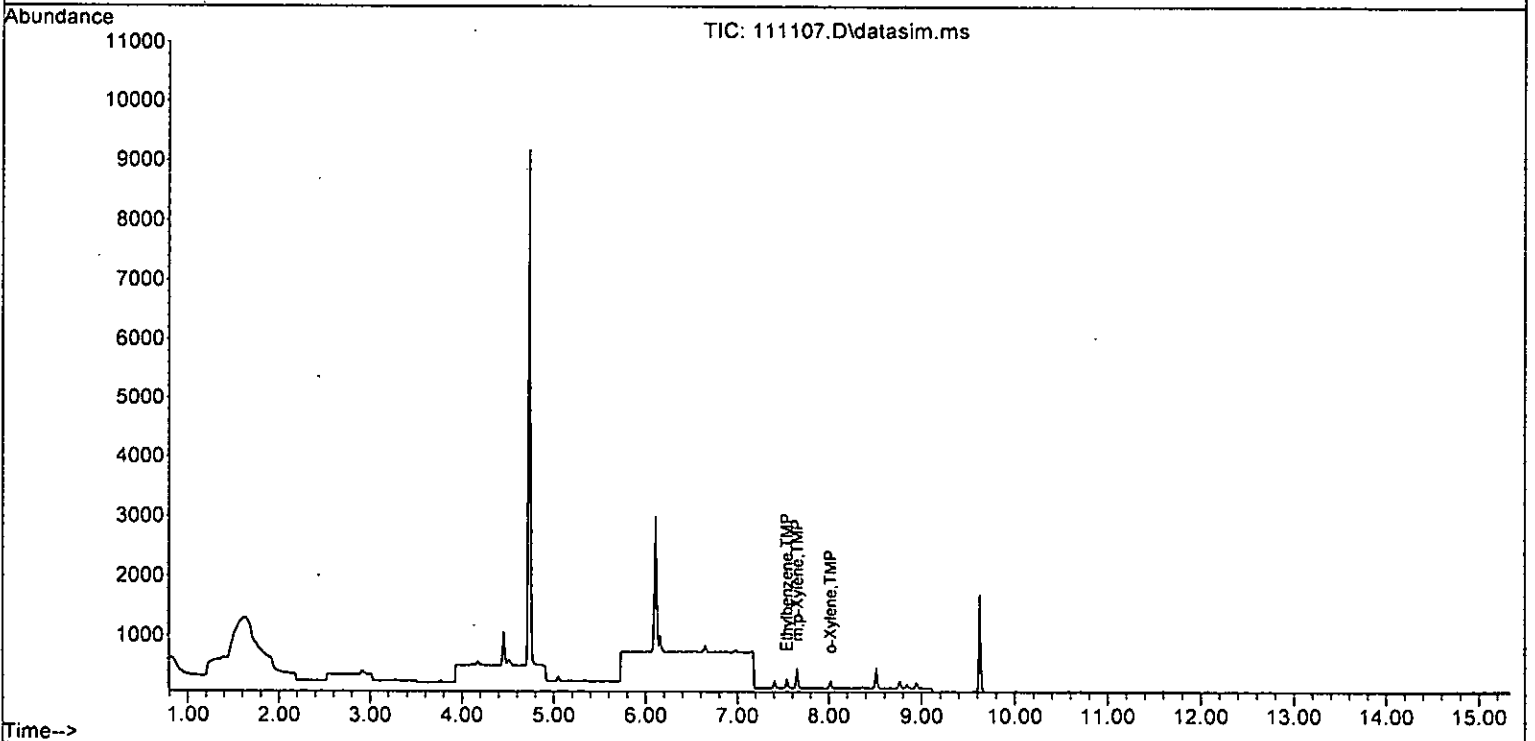
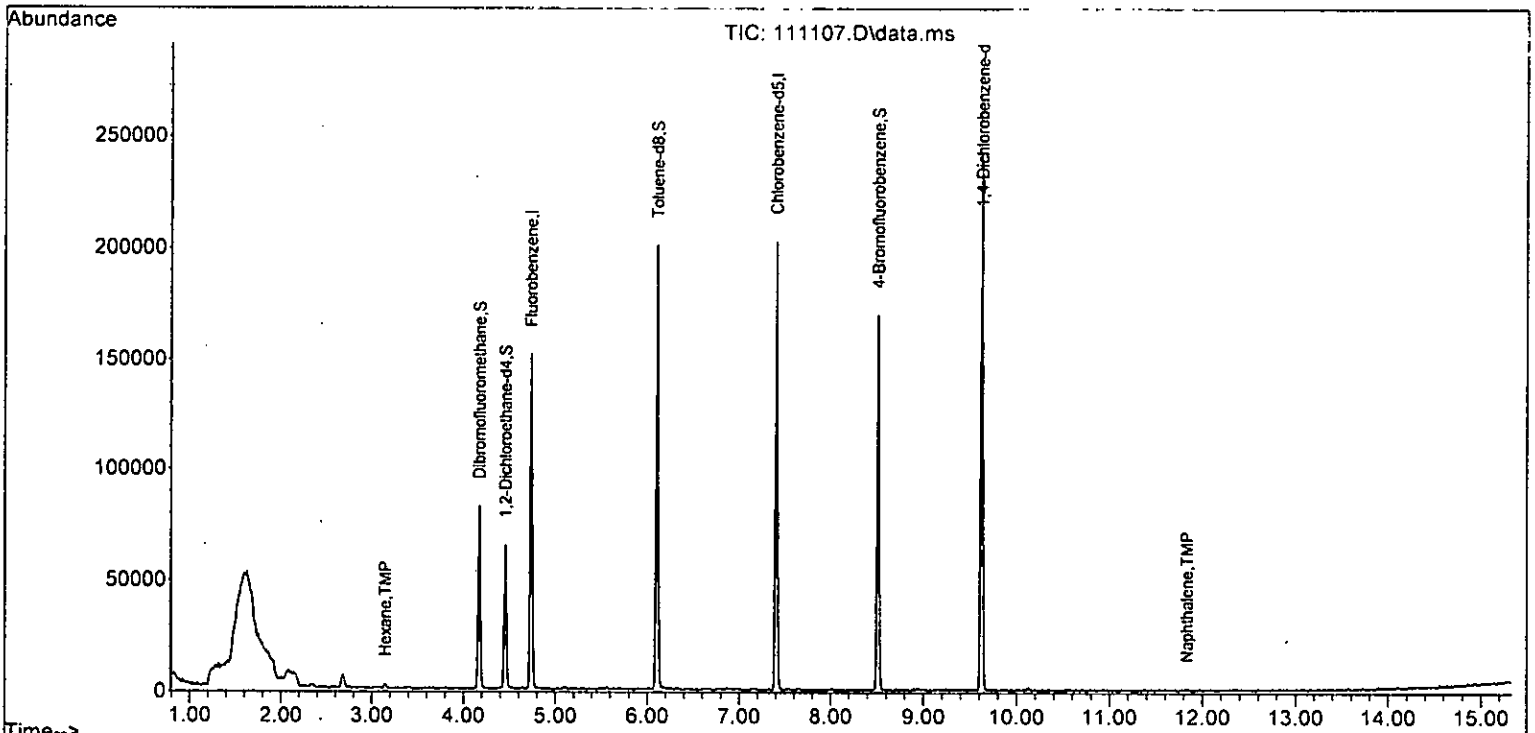
Quant Time: Nov 11 12:13:36 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 Qlast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
38) cis-1,3-Dichloropropene	5.836	75	45		N.D.	
40] Toluene	6.164	92	142	Below Cal		90
41) trans-1,3-Dichloropropene	0.000		0		N.D. d	
42) 1,1,2-Trichloroethane	0.000		0		N.D.	
43) 2-Hexanone	6.764	43	126		N.D.	
44) 1,3-Dichloropropane	0.000		0		N.D.	
45] Tetrachloroethene	6.648	164	43	Below Cal		87
46) Dibromochloromethane	0.000		0		N.D.	
47) 1,2-Dibromoethane (EDB)	0.000		0		N.D.	
48) Chlorobenzene	7.431	112	80		N.D.	
49] Ethylbenzene	7.539	91	166	0.010	ppb	90
50) 1,1,1,2-Tetrachloroethane	0.000		0		N.D.	
51] m,p-Xylene	7.651	106	170	0.026	ppb #	80
52] o-Xylene	8.022	106	68	0.011	ppb #	76
53) Styrene	8.034	104	35		N.D.	
54) Isopropylbenzene	8.370	105	162		N.D.	
55) Bromoform	0.000		0		N.D.	
58) n-Propylbenzene	8.758	91	248		N.D.	
59) Bromobenzene	0.000		0		N.D.	
60) 1,3,5-Trimethylbenzene	8.939	105	137		N.D.	
61) 1,1,2,2-Tetrachloroethane	0.000		0		N.D.	
62) 1,2,3-Trichloropropane	0.000		0		N.D. d	
63) 2-Chlorotoluene	8.835	91	90		N.D.	
64) 4-Chlorotoluene	8.947	91	59		N.D.	
65) tert-Butylbenzene	9.236	119	26		N.D.	
66) 1,2,4-Trimethylbenzene	9.298	105	254		N.D.	
67) sec-Butylbenzene	9.471	105	166		N.D.	
68) p-Isopropyltoluene	9.617	119	215		N.D.	
69) 1,3-Dichlorobenzene	9.652	146	169		N.D.	
70) 1,4-Dichlorobenzene	9.652	146	169		N.D.	
71) 1,2-Dichlorobenzene	0.000		0		N.D.	
72) 1,2-Dibromo-3-chloropr...	0.000		0		N.D.	
73) 1,2,4-Trichlorobenzene	11.592	180	22		N.D.	
74) Hexachlorobutadiene	11.772	225	22		N.D.	
75) Naphthalene	11.835	128	415	0.114	ppb	69
76) 1,2,3-Trichlorobenzene	12.070	180	72		N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS13\11-11-22\
 Data File : 111107.D
 Acq On : 11 Nov 2022 10:03 am
 Operator : WE
 Sample : 02-2752 mb 1/0.25
 Misc : soil
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

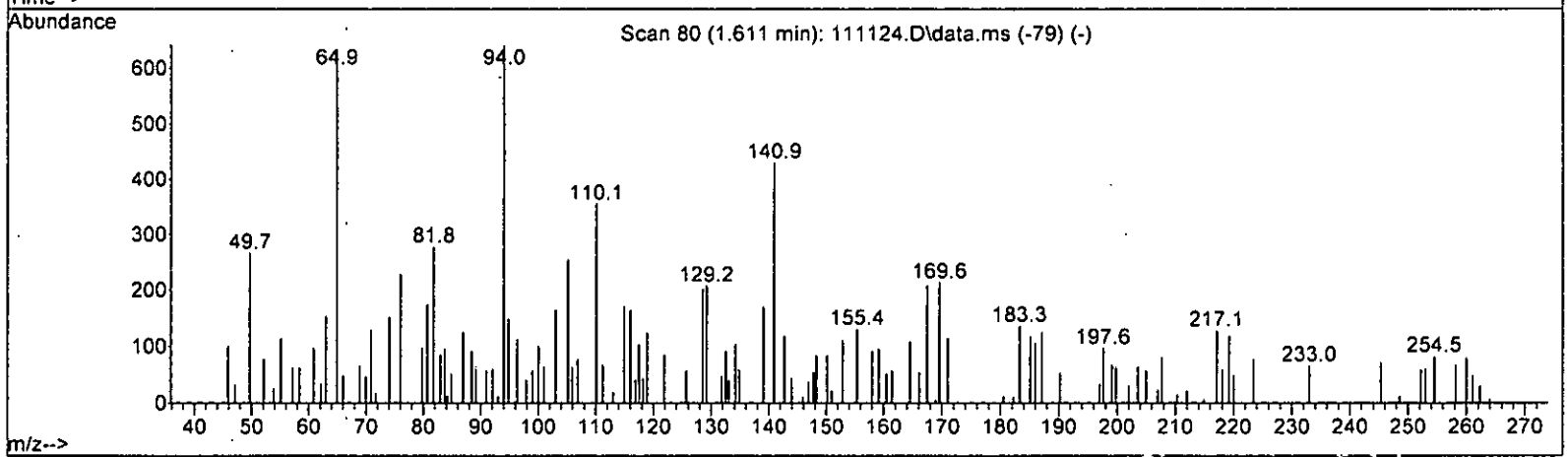
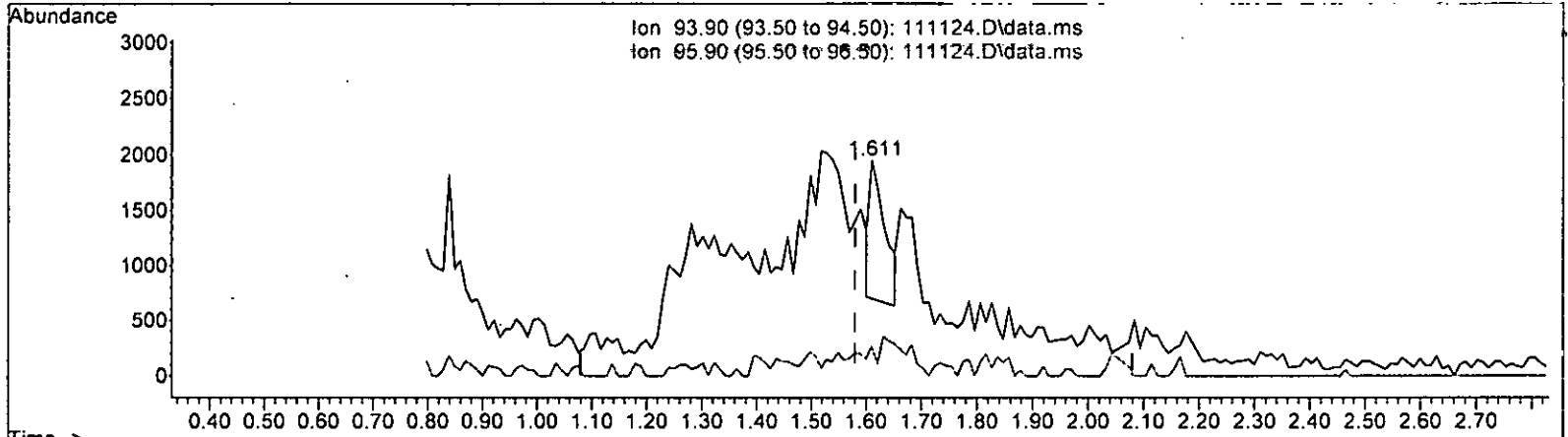
Quant Time: Nov 11 12:13:36 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-11-22\
 Data File : 111124.D
 Acq On : 11 Nov 2022 04:37 pm
 Operator : WE
 Sample : 211163-01
 Misc : soil
 ALS Vial : 21 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 14 08:02:13 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260-Purge-&-Trap-Volatiles-Dual-Acquisition
~~QLastUpdate: Mon=Nov=07=15:16:10=2022~~
 Response via : Initial Calibration
 DataAcq Meth: VM080322.M



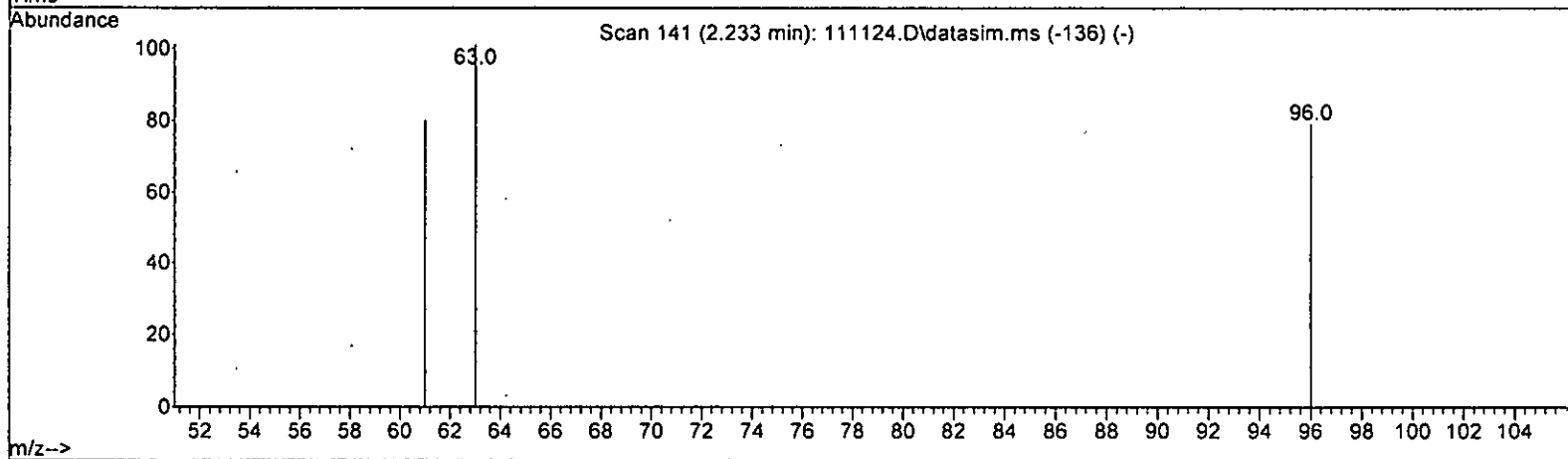
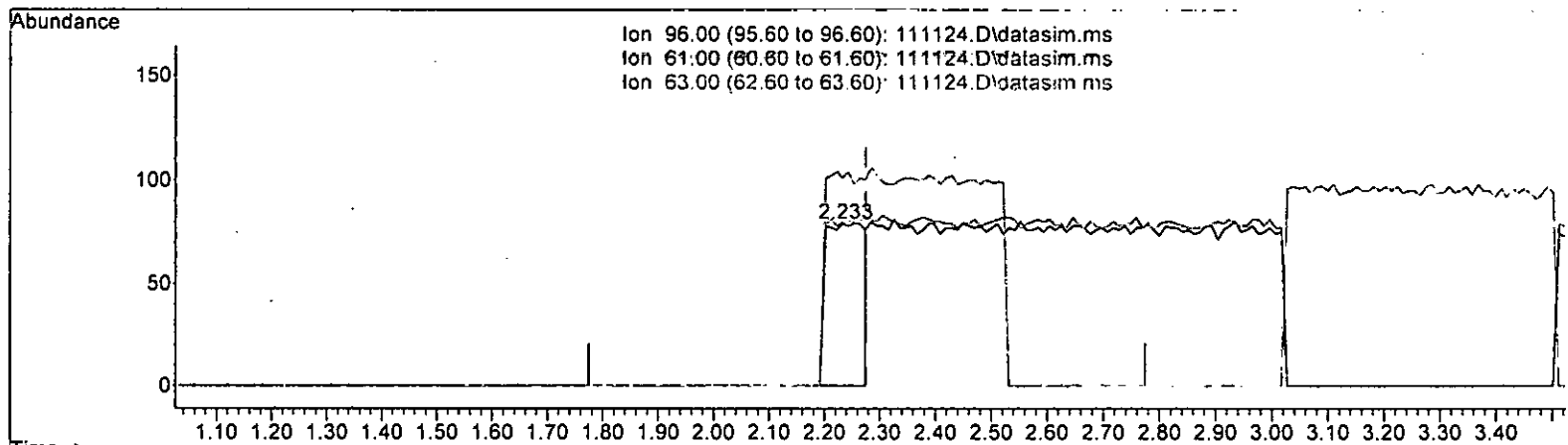
TIC: 111124.D\data.ms

(7) Bromomethane (TMP)		
1.611min (+ 0.031)	0.495	ppb
response	2424	
Ion	Exp%	Act%
93.90	100.00	100.00
95.90	93.50	13.52#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-11-22\
 Data File : 111124.D
 Acq On : 11 Nov 2022 04:37 pm
 Operator : WE
 Sample : 211163-01
 Misc : soil
 ALS Vial : 21 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 14 08:02:13 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 Last Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth: VM080322.M



TIC: 111124.D\data.ms

(12) 1,1-Dichloroethene (TMP)

2.233min (-0.042) 0.119 ppb

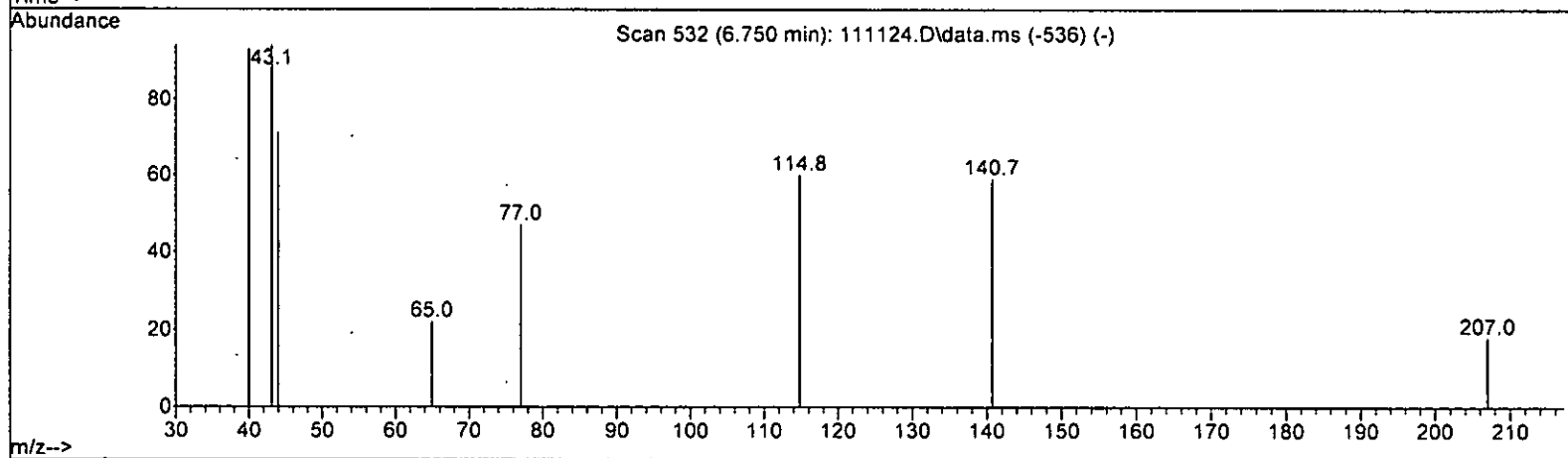
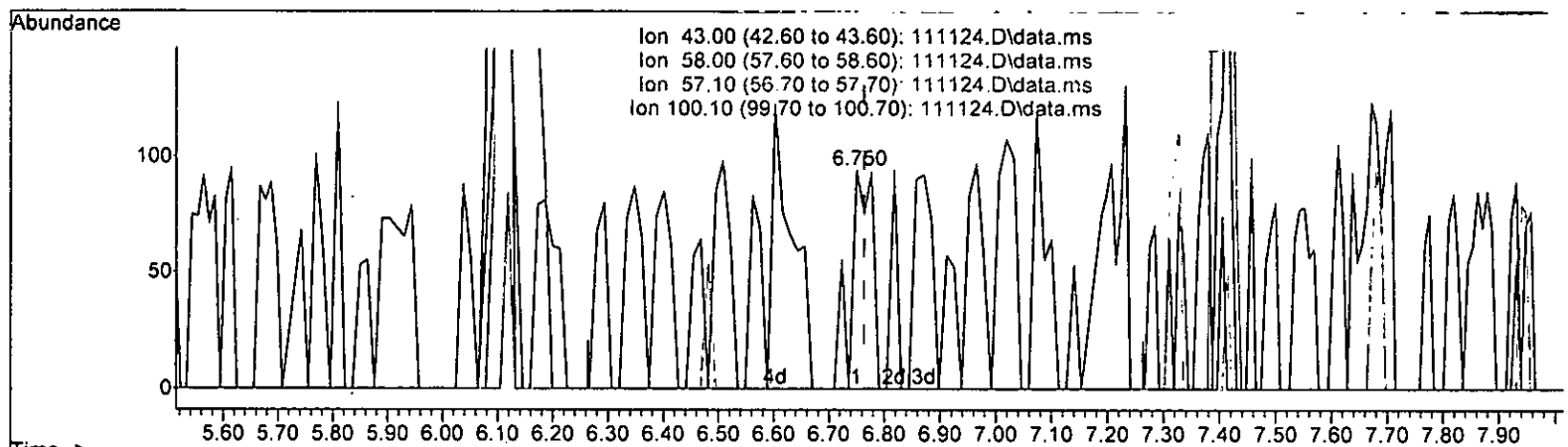
response 384

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	120.90	101.27
63.00	43.90	127.85#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-11-22\
 Data File : 111124.D
 Acq On : 11 Nov 2022 04:37 pm
 Operator : WE
 Sample : 211163-01
 Misc : soil
 ALS Vial : 21 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 14 08:02:13 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles-Dual-Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth: VM080322.M



TIC: 111124.D\data.ms

(43) 2-Hexanone (TMP)

6.750min (-0.014) 0.130 ppb

response 256

Ion	Exp%	Act%
43.00	100.00	100.00
58.00	51.50	0.00#
57.10	16.30	0.00
100.10	10.20	0.00

Data Path : Y:\Proc_GCMS13\11-11-22\
 Data File : 111124.D
 Acq On : 11 Nov 2022 04:37 pm
 Operator : WE
 Sample : 211163-01
 Misc : soil
 ALS Vial : 21 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 14 08:02:13 2022

Quant Method : Y:\Methods\Inst13\VB110522ms13.M

~~Quant Title : 8260-Purge & Trap Volatiles-Dual Acquisition~~

QLast Update : Mon Nov 07 15:16:10 2022

Response via : Initial Calibration

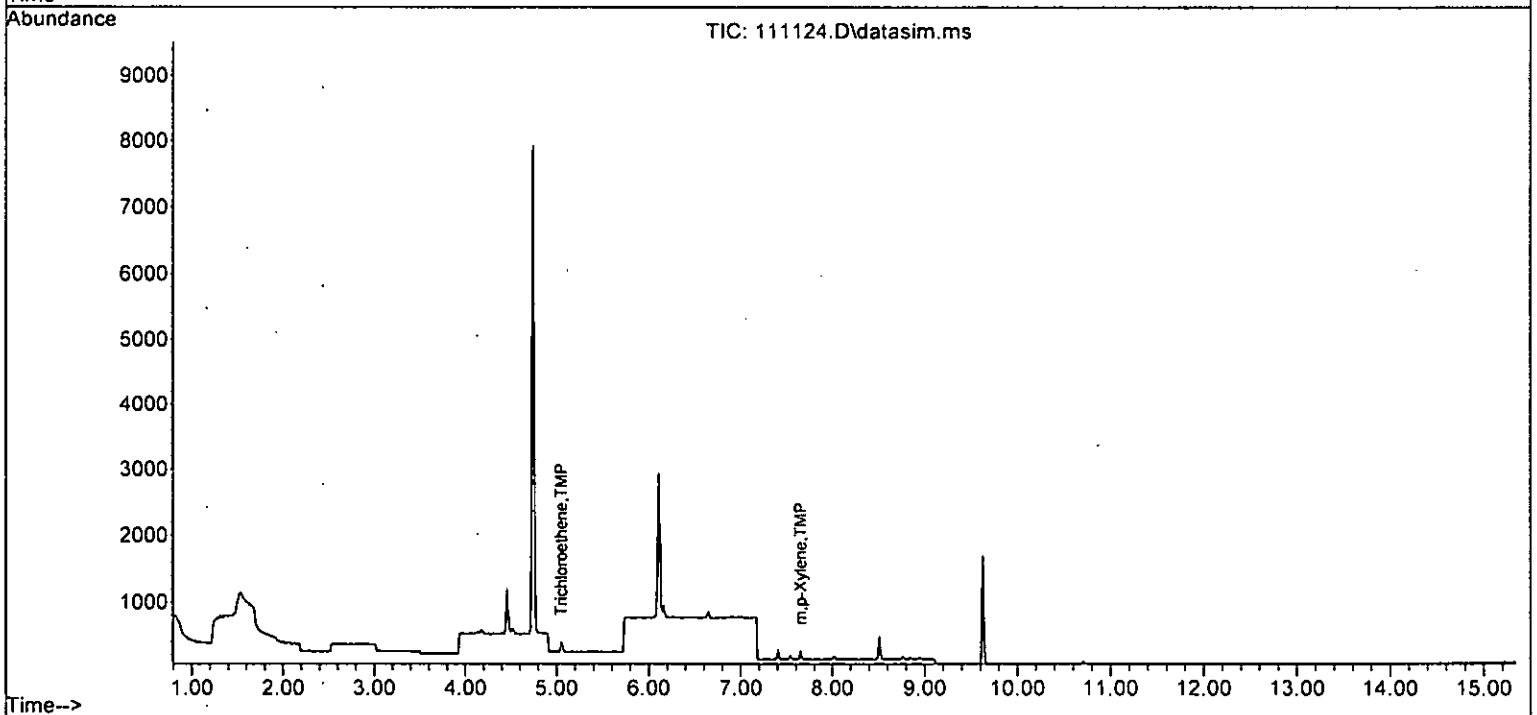
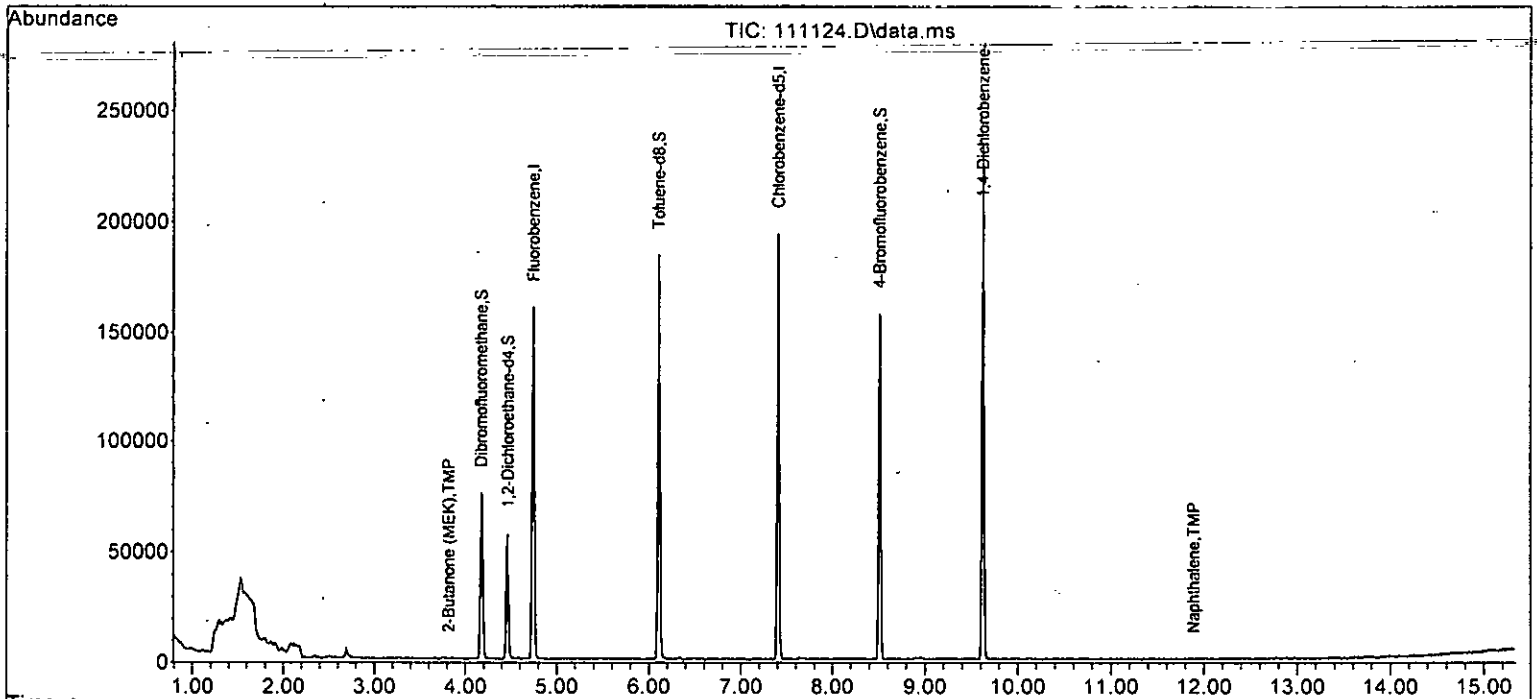
DataAcq Meth:VM080322.M

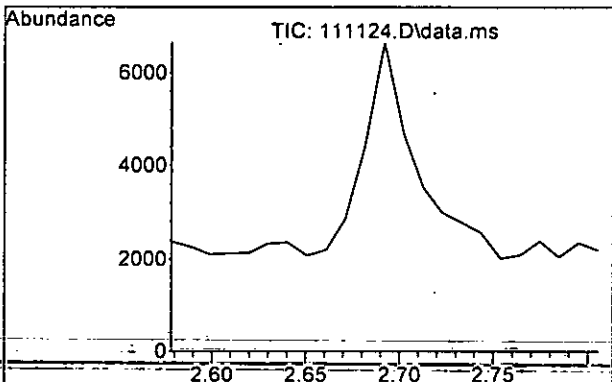
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.745	96	113428	10.000	ppb	0.00
39) Chlorobenzene-d5	7.405	117	103822	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.624	152	60283	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.175	113	38115	10.478	ppb	0.00
Spiked Amount	10.000	Range	50 - 150	Recovery	=	104.80%
30) 1,2-Dichloroethane-d4	4.466	102	6837	9.699	ppb	0.01
Spiked Amount	10.000	Range	84 - 120	Recovery	=	97.00%
35) Toluene-d8	6.105	98	106956	9.887	ppb	0.00
Spiked Amount	10.000	Range	73 - 128	Recovery	=	98.90%
57) 4-Bromofluorobenzene	8.508	95	41771	10.056	ppb	0.00
Spiked Amount	10.000	Range	57 - 146	Recovery	=	100.60%
Target Compounds						
14) Methylene chloride	2.692	84	1982	Below Cal		95
24) 2-Butanone (MEK)	3.815	43	638	0.192	ppb	55
26] 1,2-Dichloroethane (EDC)	4.527	62	91	Below Cal		96
32] Trichloroethene	5.052	95	54	0.013	ppb	88
40] Toluene	6.164	92	102	Below Cal		99
45] Tetrachloroethene	6.648	164	44	Below Cal		97
46) Dibromochloromethane	6.831	129	99	Below Cal	#	11
51] m,p-Xylene	7.651	106	68	0.011	ppb	82
75) Naphthalene	11.890	128	31	0.081	ppb	69

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS13\11-11-22\
 Data File : 111124.D
 Acq On : 11 Nov 2022 04:37 pm
 Operator : WE
 Sample : 211163-01
 Misc : soil
 ALS Vial : 21 Sample Multiplier: 1
 InstName : GCMS13

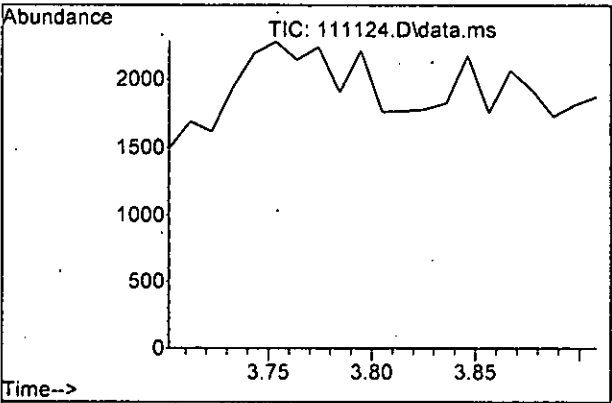
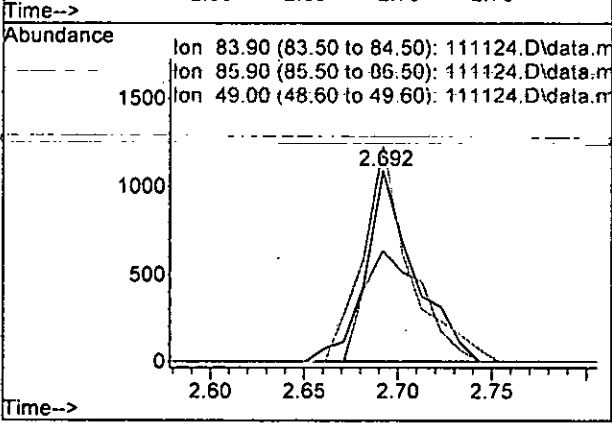
Quant Time: Nov 14 08:02:13 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 Last Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth: VM080322.M





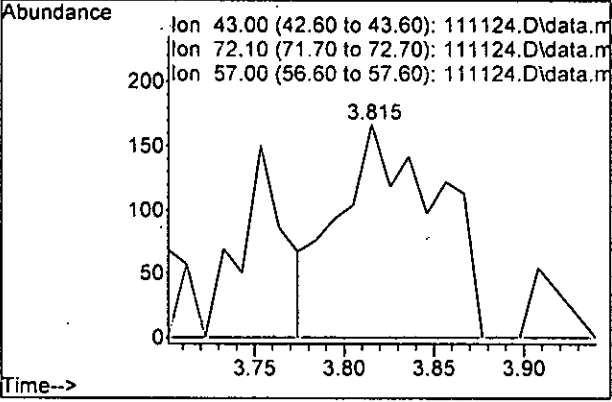
#14.
 Methylene chloride
 Concen: Below Cal
 RT: 2.692 min Scan# 179
 Delta R.T. 0.010 min
 Lab File: 111124.D
 Acq: 11 Nov 2022 04:37 pm

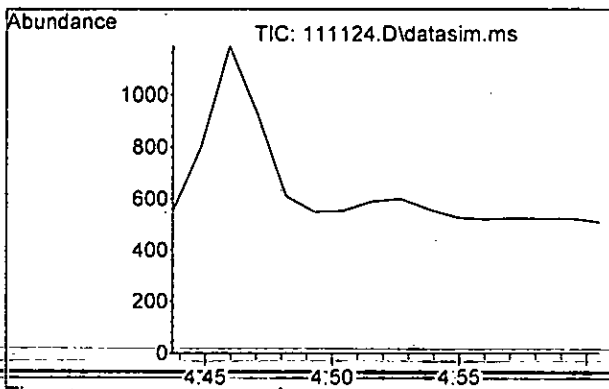
Tgt Ion:	84	Resp:	1982
Ion Ratio	Lower	Upper	
84	100		
86	58.5	37.1	97.1
49	112.9	81.3	141.3



#24
 2-Butanone (MEK)
 Concen: 0.192 ppb
 RT: 3.815 min Scan# 284
 Delta R.T. 0.020 min
 Lab File: 111124.D
 Acq: 11 Nov 2022 04:37 pm

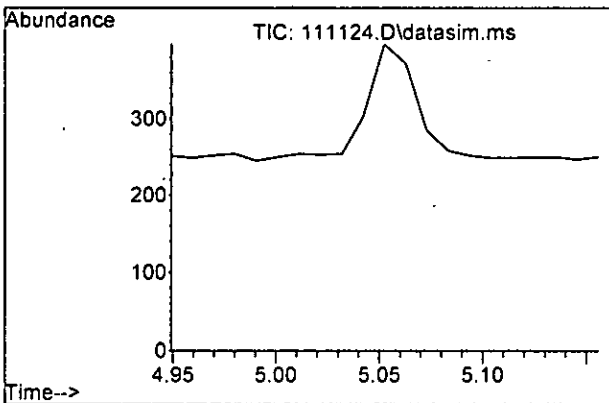
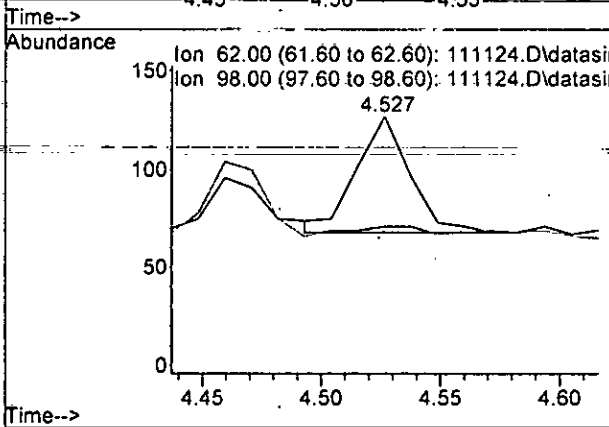
Tgt Ion:	43	Resp:	638
Ion Ratio	Lower	Upper	
43	100		
72	0.0	0.0	57.0
57	0.0	0.0	28.0





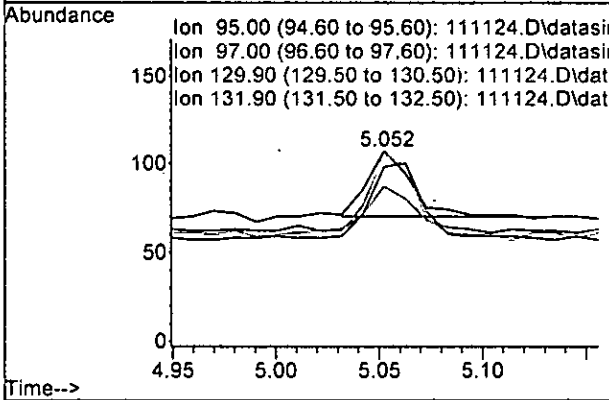
#26
 1,2-Dichloroethane (EDC)
 Concen: Below Cal
 RT: 4.527 min Scan# 359
 Delta R.T. -0.000 min
 Lab File: 111124.D
 Acq: 11 Nov 2022 04:37 pm

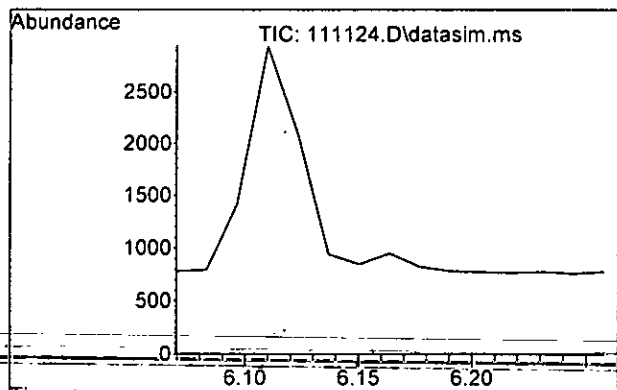
Tgt Ion:	62	Resp:	91
Ion Ratio	Lower	Upper	
62	100		
98	8.5	0.0	40.1



#32
 Trichloroethene
 Concen: 0.013 ppb
 RT: 5.052 min Scan# 407
 Delta R.T. -0.001 min
 Lab File: 111124.D
 Acq: 11 Nov 2022 04:37 pm

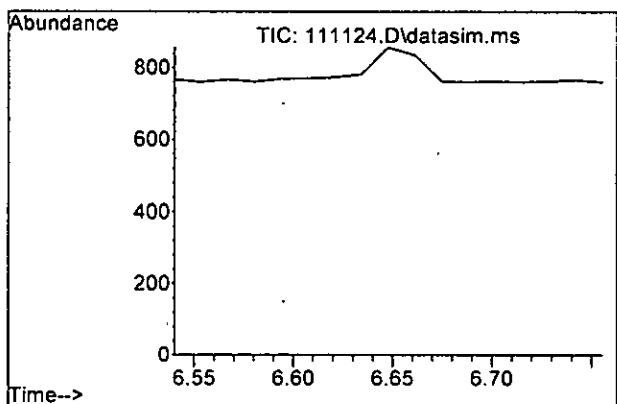
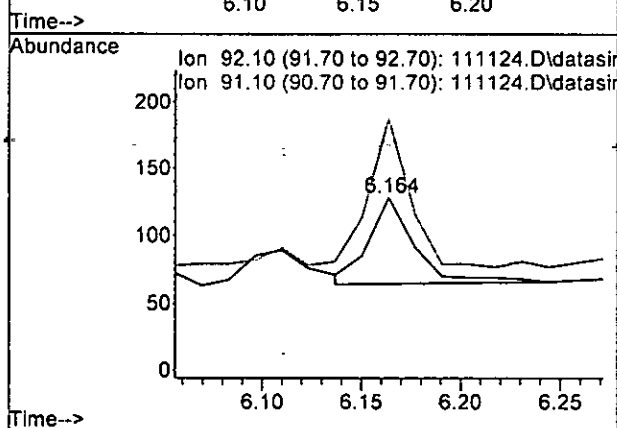
Tgt Ion:	95	Resp:	54
Ion Ratio	Lower	Upper	
95	100		
97	67.6	34.6	94.6
130	118.9	73.4	133.4
132	110.8	65.8	125.8





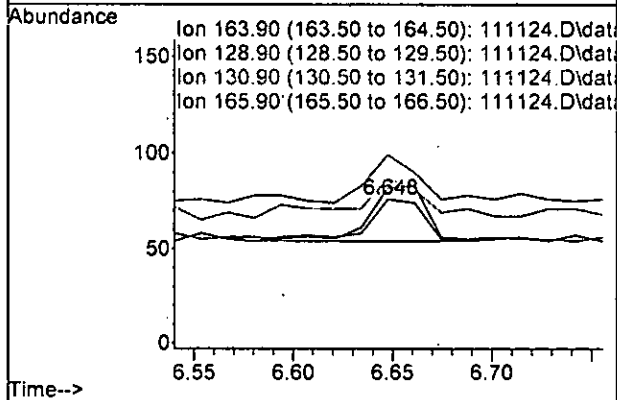
#40
 Toluene
 Concen: Below Cal
 RT: 6.164 min Scan# 505
 Delta R.T. -0.000 min
 Lab File: 111124.D
 Acq: 11 Nov 2022 04:37 pm

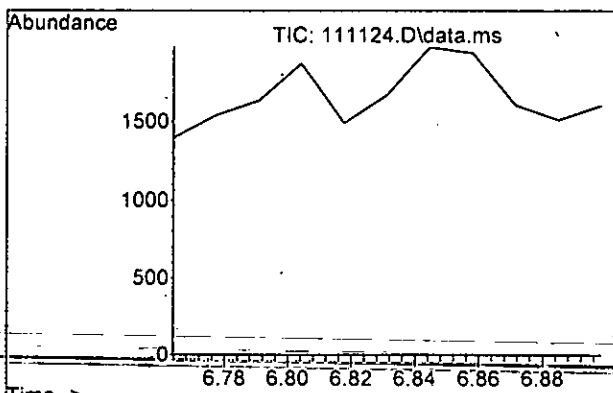
Tgt Ion: 92 Resp: 102
 Ion Ratio Lower Upper
 92 100
 91 177.4 148.5 208.5



#45
 Tetrachloroethene
 Concen: Below Cal
 RT: 6.648 min Scan# 541
 Delta R.T. -0.000 min
 Lab File: 111124.D
 Acq: 11 Nov 2022 04:37 pm

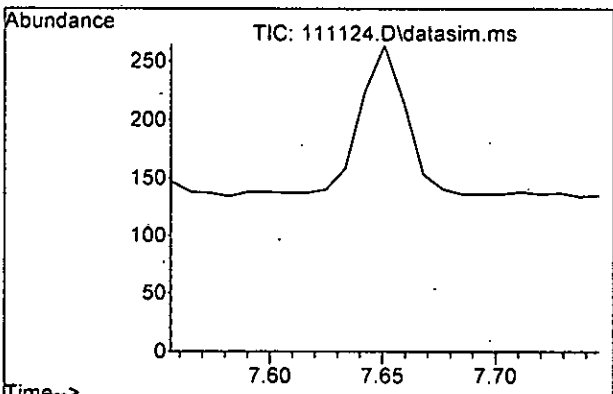
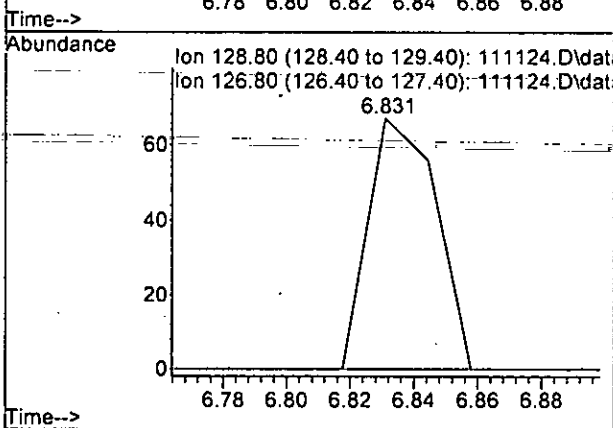
Tgt Ion:164 Resp: 44
 Ion Ratio Lower Upper
 164 100
 129 95.5 72.1 132.1
 131 95.5 64.8 124.8
 166 122.7 90.0 150.0





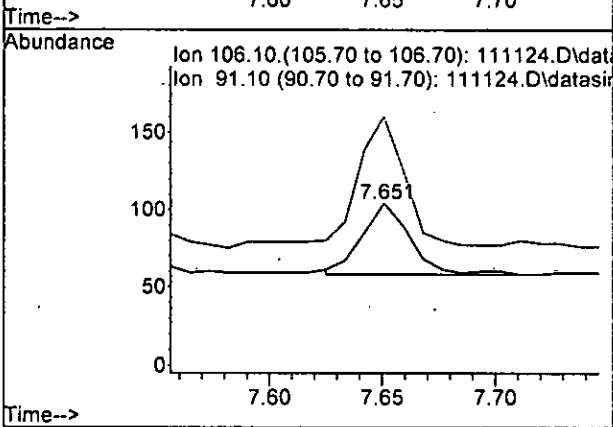
#46
 Dibromochloromethane
 Concen: Below Cal
 RT: 6.831 min Scan# 538
 Delta R.T. -0.054 min
 Lab File: 111124.D
 Acq: 11 Nov 2022 04:37 pm

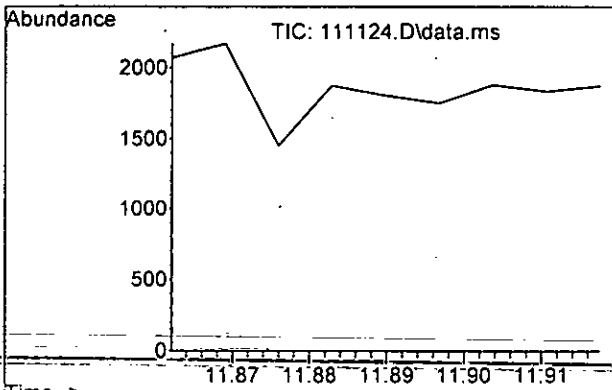
Tgt Ion:129 Resp: 99
 Ion Ratio Lower Upper
 129 100
 127 0.0 46.8 106.8#



#51
 m,p-Xylene
 Concen: 0.011 ppb
 RT: 7.651 min Scan# 635
 Delta R.T. -0.000 min
 Lab File: 111124.D
 Acq: 11 Nov 2022 04:37 pm

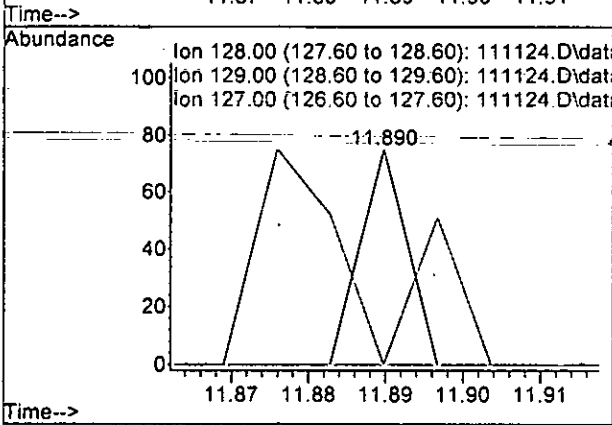
Tgt Ion:106 Resp: 68
 Ion Ratio Lower Upper
 106 100
 91 178.3 175.7 235.7





#75
 Naphthalene
 Concen: 0.081 ppb
 RT: 11.890 min Scan# 1185
 Delta R.T. 0.055 min
 Lab File: 111124.D
 Acq: 11 Nov 2022 04:37 pm

Tgt Ion	Ratio	Lower	Upper
128	100		
129	0.0	0.0	40.8
127	0.0	0.0	43.1



Data Path : Y:\Proc_GCMS13\11-11-22\
 Data File : 111124.D
 Acq On : 11 Nov 2022 04:37 pm
 Operator : WE
 Sample : 211163-01
 Misc : soil
 ALS Vial : 21 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 14 08:02:13 2022

Quant Method: Y:\Methods\Inst13\VB110522ms13.M

Quant Title: 8260=Purge=&=Trap=Volatiles=Dual=Acquisition

QLast Update: Mon Nov 07 15:16:10 2022

Response via: Initial Calibration

DataAcq Meth: VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) Fluorobenzene	4.745	96	113428	10.000	ppb	0.00	
39) Chlorobenzene-d5	7.405	117	103822	10.000	ppb	0.00	
56) 1,4-Dichlorobenzene-d4	9.624	152	60283	10.000	ppb	0.00	
System Monitoring Compounds							
3) Dibromofluoromethane	4.175	113	38115	10.478	ppb	0.00	
Spiked Amount	10.000	Range 50 - 150	Recovery	=	104.80%		
30) 1,2-Dichloroethane-d4	4.466	102	6837	9.699	ppb	0.01	
Spiked Amount	10.000	Range 84 - 120	Recovery	=	97.00%		
35) Toluene-d8	6.105	98	106956	9.887	ppb	0.00	
Spiked Amount	10.000	Range 73 - 128	Recovery	=	98.90%		
57) 4-Bromofluorobenzene	8.508	95	41771	10.056	ppb	0.00	
Spiked Amount	10.000	Range 57 - 146	Recovery	=	100.60%		
Target Compounds							
2) Ethanol	2.362	45	179	No Calib			Qvalue
4) Dichlorodifluoromethane	0.000		0	N.D.			
5) Chloromethane	1.261	50	57	N.D.			
6) Vinyl chloride	0.000		0	N.D.			
7) Bromomethane	0.000		0	N.D. d			
8) Chloroethane	0.000		0	N.D.			
9) Trichlorofluoromethane	1.786	101	113	N.D.			
10) 2-Propanol	2.362	45	179	No Calib	#		
11) Acetone	2.341	58	305	N.D.			
12) 1,1-Dichloroethene	0.000		0	N.D. d			
13) Hexane	3.177	57	158	N.D.			
14) Methylene chloride	2.692	84	1982	Below Cal		95	
15) t-Butyl alcohol (TBA)	0.000		0	N.D.			
16) Methyl t-butyl ether (...)	0.000		0	N.D.			
17) trans-1,2-Dichloroethene	0.000		0	N.D.			
18) Diisopropyl ether (DIPE)	3.290	45	37	N.D.			
19) 1,1-Dichloroethane	0.000		0	N.D.			
20) Ethyl t-butyl ether (E...)	0.000		0	N.D.			
21) 2,2-Dichloropropane	3.764	77	188	N.D.			
22) cis-1,2-Dichloroethene	0.000		0	N.D.			
23) Chloroform	0.000		0	N.D.			
24) 2-Butanone (MEK)	3.815	43	638	0.192	ppb	55	
25) t-Amyl methyl ether (T...)	0.000		0	N.D.			
26] 1,2-Dichloroethane (EDC)	4.527	62	91	Below Cal		96	
27) 1,1,1-Trichloroethane	0.000		0	N.D.			
28) 1,1-Dichloropropene	0.000		0	N.D.			
29) Carbon tetrachloride	0.000		0	N.D.			
31) Benzene	0.000		0	N.D.			
32] Trichloroethene	5.052	95	54	0.013	ppb	88	
33) 1,2-Dichloropropane	5.326	63	74	N.D.			
34) Bromodichloromethane	5.429	83	35	N.D.			
36) Dibromomethane	0.000		0	N.D.			

Data Path : Y:\Proc_GCMS13\11-11-22\
 Data File : 111124.D
 Acq On : 11 Nov 2022 04:37 pm
 Operator : WE
 Sample : 211163-01
 Misc : soil
 ALS Vial : 21 Sample Multiplier: 1
 InstName : GCMS13

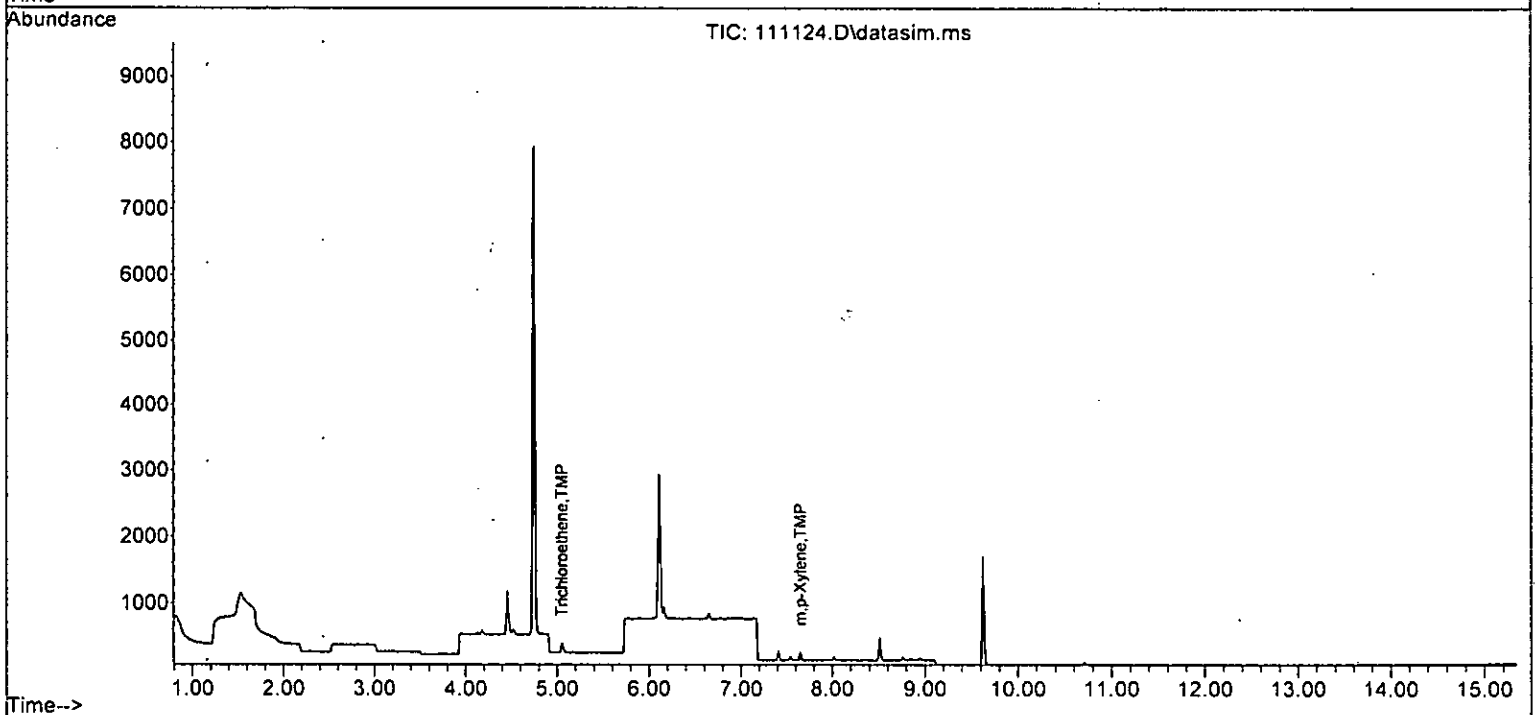
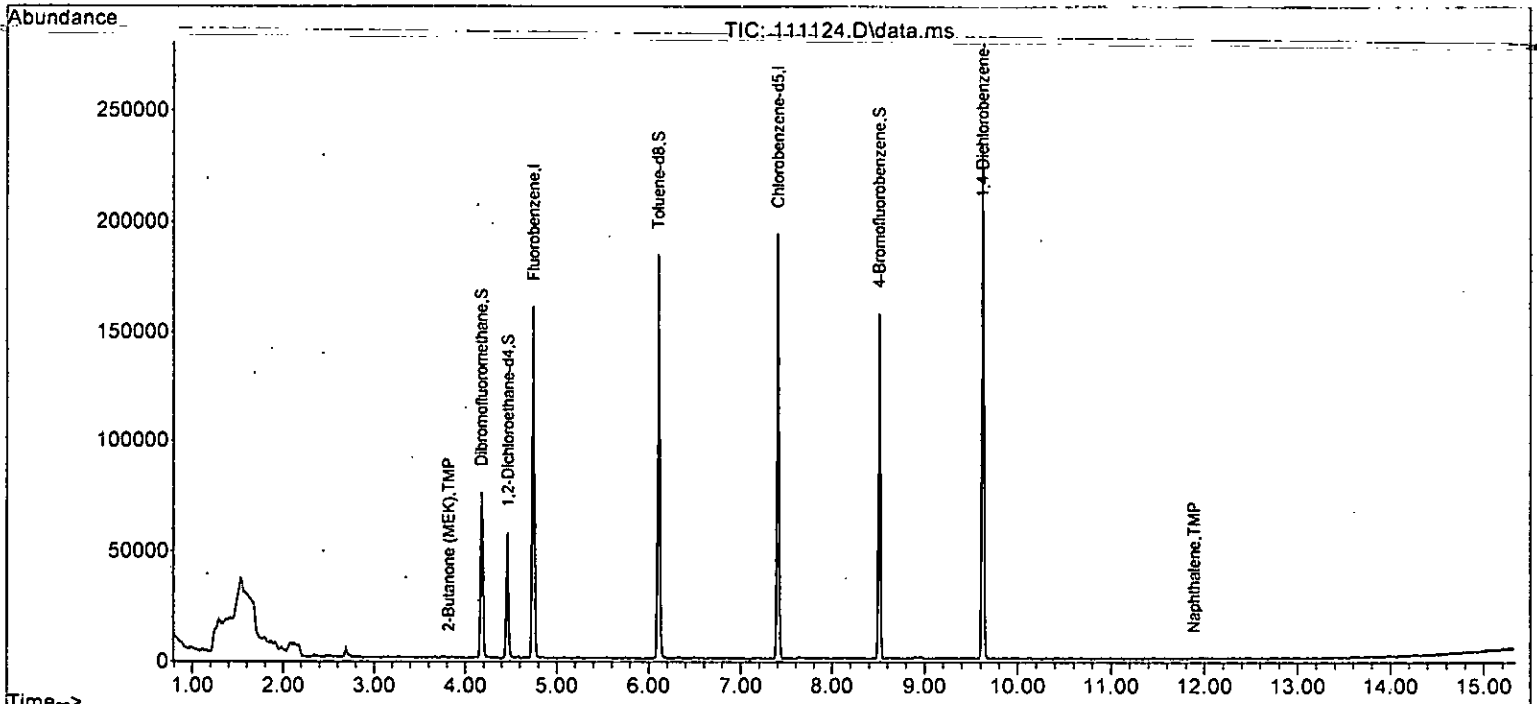
Quant Time: Nov 14 08:02:13 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth: VM080322.M

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.000		0	N.D.	
38) cis-1,3-Dichloropropene	0.000		0	N.D.	
40] Toluene	6.164	92	102	Below Cal	99
41) trans-1,3-Dichloropropene	6.266	75	121	N.D.	
42) 1,1,2-Trichloroethane	0.000		0	N.D.	
43) 2-Hexanone	0.000		0	N.D. d	
44) 1,3-Dichloropropane	0.000		0	N.D.	
45] Tetrachloroethene	6.648	164	44	Below Cal	97
46) Dibromochloromethane	6.831	129	99	Below Cal #	11
47) 1,2-Dibromoethane (EDB)	0.000		0	N.D.	
48) Chlorobenzene	0.000		0	N.D.	
49) Ethylbenzene	7.539	91	64	N.D.	
50) 1,1,1,2-Tetrachloroethane	0.000		0	N.D.	
51] m,p-Xylene	7.651	106	68	0.011 ppb	82
52) o-Xylene	8.021	106	23	N.D.	
53) Styrene	0.000		0	N.D.	
54) Isopropylbenzene	8.223	105	33	N.D.	
55) Bromoform	0.000		0	N.D.	
58) n-Propylbenzene	8.766	91	86	N.D.	
59) Bromobenzene	8.706	156	34	N.D.	
60) 1,3,5-Trimethylbenzene	8.844	105	55	N.D.	
61) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.	
62) 1,2,3-Trichloropropane	8.809	75	36	N.D.	
63) 2-Chlorotoluene	8.870	91	30	N.D.	
64) 4-Chlorotoluene	8.982	91	28	N.D.	
65) tert-Butylbenzene	0.000		0	N.D.	
66) 1,2,4-Trimethylbenzene	9.298	105	154	N.D.	
67) sec-Butylbenzene	9.471	105	82	N.D.	
68) p-Isopropyltoluene	9.603	119	29	N.D.	
69) 1,3-Dichlorobenzene	9.638	146	48	N.D.	
70) 1,4-Dichlorobenzene	9.638	146	48	N.D.	
71) 1,2-Dichlorobenzene	0.000		0	N.D.	
72) 1,2-Dibromo-3-chloropr...	10.989	75	35	N.D.	
73) 1,2,4-Trichlorobenzene	0.000		0	N.D.	
74) Hexachlorobutadiene	0.000		0	N.D.	
75) Naphthalene	11.890	128	31	0.081 ppb	69
76) 1,2,3-Trichlorobenzene	0.000		0	N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS13\11-11-22\
 Data File : 111124.D
 Acq On : 11 Nov 2022 04:37 pm
 Operator : WE
 Sample : 211163-01
 Misc : soil
 ALS Vial : 21 Sample Multiplier: 1
 InstName : GCMS13

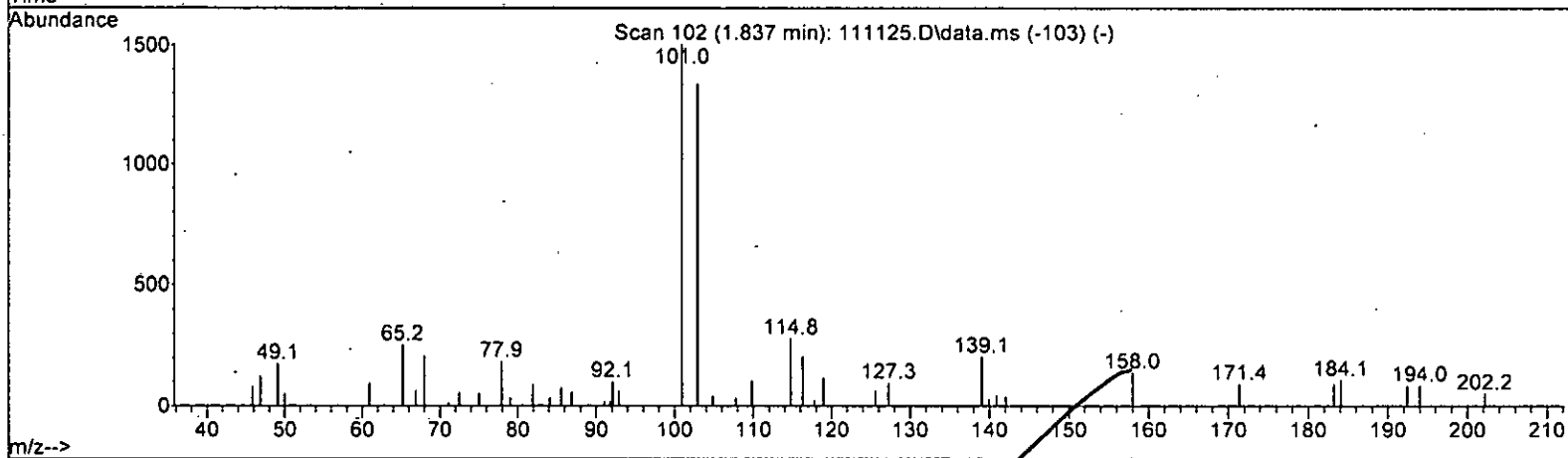
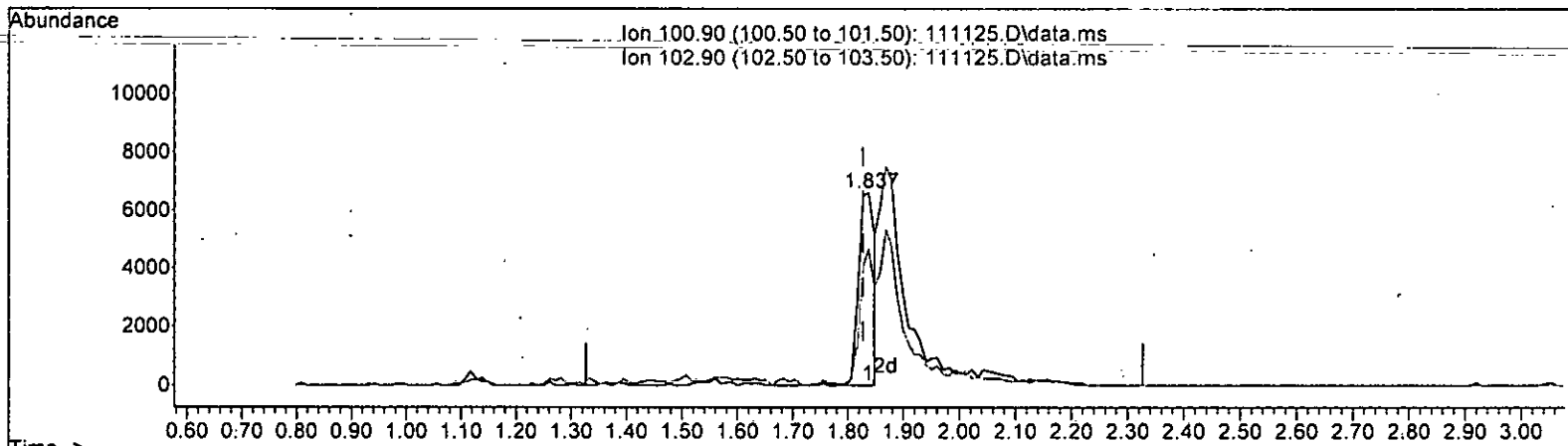
Quant Time: Nov 14 08:02:13 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13.M
 Quant Title : =8260=Purge=&=Trap=Volatiles=Dual=Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth: VM080322.M



Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-11-22\
 Data File : 111125.D
 Acq On : 11 Nov 2022 05:00 pm
 Operator : WE
 Sample : 211163-01 ms
 Misc : soil
 ALS Vial : 22 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 14 08:02:17 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13.M
~~Quant Title : 8260-Purge & Trap Volatiles Dual Acquisition~~
 Qlast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq.Meth:VM080322.M



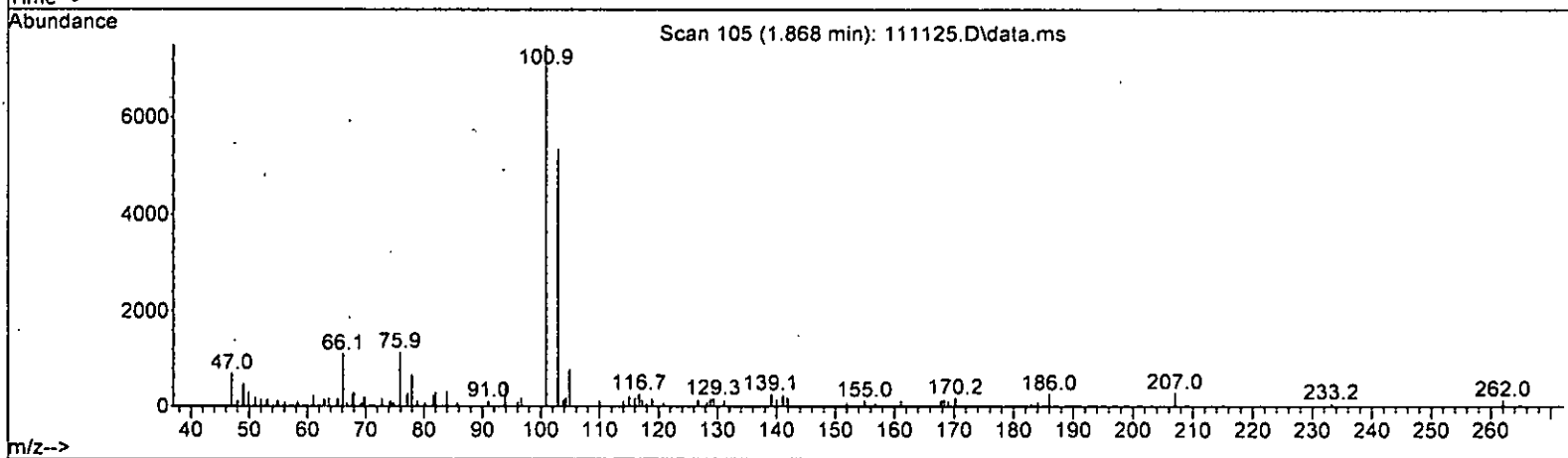
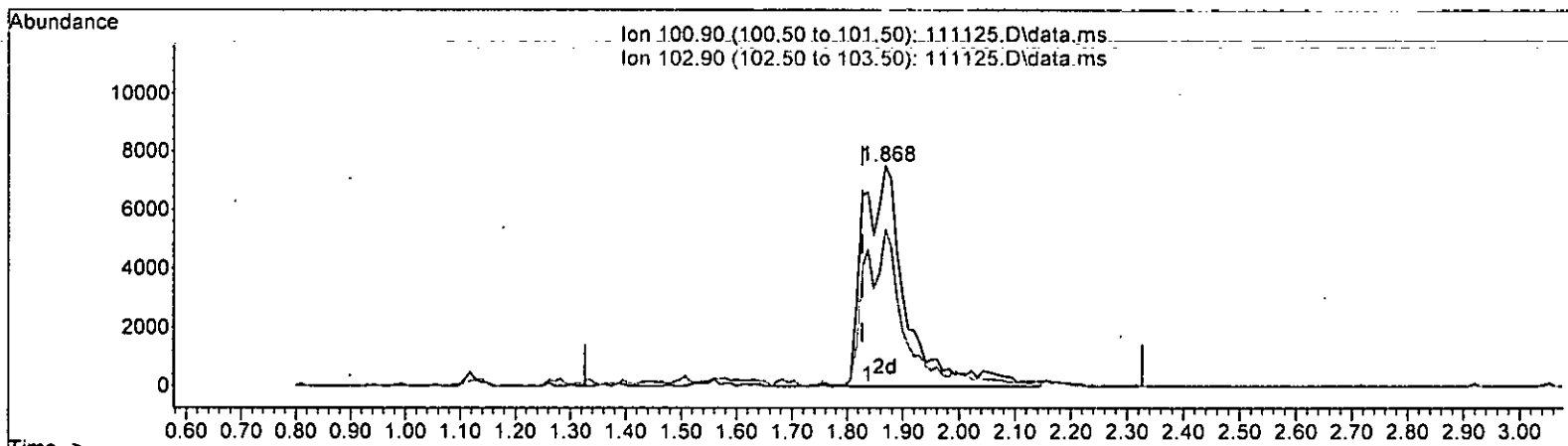
TIC: 111125.D\data.ms *m 11.14.22*

(9) Trichlorofluoromethane (TMP)		
1.837min (+ 0.010)	0.989 ppb	
response	13082	
Ion	Exp%	Act%
100.90	100.00	100.00
102.90	65.30	69.45
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-11-22\
 Data File : 111125.D
 Acq On : 11 Nov 2022 05:00 pm
 Operator : WE
 Sample : 211163-01 ms
 Misc : soil
 ALS Vial : 22 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 14 08:02:17 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260_Purge & Trap Volatiles_Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth: VM080322.M



TIC: 111125.D\data.ms

11.14.22

(9) Trichlorofluoromethane (TMP)

1.868min (+ 0.041) 3.107 ppb m

response	41105
Ion	Exp% Act%
100.90	100.00 100.00
102.90	65.30 71.04
0.00	0.00 0.00
0.00	0.00 0.00

Data Path : Y:\Proc_GCMS13\11-11-22\
 Data File : 111125.D
 Acq On : 11 Nov 2022 . 05:00 pm
 Operator : WE
 Sample : 211163-01 ms
 Misc : soil
 ALS Vial : 22 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 14 08:02:17 2022

Quant Method: Y:\Methods\Inst13\VB110522ms13.M

Quant Title: 8260-Purge=&=Trap-Volatiles-Dual-Acquisition

QLast Update : Mon Nov 07 15:16:10 2022

Response via : Initial Calibration

DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) Fluorobenzene	4.746	96	117791	10.000	ppb	0.00	
39) Chlorobenzene-d5	7.405	117	99270	10.000	ppb	0.00	
56) 1,4-Dichlorobenzene-d4	9.624	152	58229	10.000	ppb	0.00	
System Monitoring Compounds							
3) Dibromofluoromethane	4.175	113	36422	9.642	ppb	0.00	
Spiked Amount	10.000	Range	50 - 150	Recovery	=	96.40%	
30) 1,2-Dichloroethane-d4	4.466	102	6927	9.463	ppb	0.01	
Spiked Amount	10.000	Range	84 - 120	Recovery	=	94.60%	
35) Toluene-d8	6.105	98	104677	9.318	ppb	0.00	
Spiked Amount	10.000	Range	73 - 128	Recovery	=	93.20%	
57) 4-Bromofluorobenzene	8.508	95	39547	9.857	ppb	0.00	
Spiked Amount	10.000	Range	57 - 146	Recovery	=	98.60%	
Target Compounds							
2) Ethanol	2.342	45	390	No Calib			Qvalue
4) Dichlorodifluoromethane	1.117	85	6466	N.D.			
5) Chloromethane	1.261	50	14984	2.606	ppb	100	
6] Vinyl chloride	1.338	62	14633	2.437	ppb	95	
7) Bromomethane	1.590	94	27203	5.346	ppb	87	
8] Chloroethane	1.647	64	11348	4.213	ppb	98	
9) Trichlorofluoromethane	1.868	101	41105m	3.107	ppb		
10) 2-Propanol	2.342	45	390	No Calib			
11) Acetone	2.331	58	9520	30.342	ppb	95	
12] 1,1-Dichloroethene	2.274	96	14791	4.407	ppb	86	
13) Hexane	3.156	57	7393	1.941	ppb	95	
14) Methylene chloride	2.692	84	20963	5.446	ppb	96	
15) t-Butyl alcohol (TBA)	2.816	59	12840	45.416	ppb	98	
16] Methyl t-butyl ether (...)	2.935	73	62600	7.982	ppb	99	
17] trans-1,2-Dichloroethene	2.924	96	21309	5.681	ppb	96	
18) Diisopropyl ether (DIPE)	3.352	45	52802	6.424	ppb	98	
19] 1,1-Dichloroethane	3.285	63	32635	5.979	ppb	92	
20) Ethyl t-butyl ether (E...)	3.661	87	27126	8.939	ppb	90	
21) 2,2-Dichloropropane	3.774	77	22584	7.970	ppb	97	
22] cis-1,2-Dichloroethene	3.769	96	26030	6.633	ppb	99	
23) Chloroform	4.041	83	42041	6.626	ppb	96	
24) 2-Butanone (MEK)	3.795	43	52443	35.430	ppb	97	
25) t-Amyl methyl ether (T...)	4.611	73	57157	8.979	ppb	95	
26] 1,2-Dichloroethane (EDC)	4.527	62	33858	7.058	ppb	98	
27] 1,1,1-Trichloroethane	4.191	97	40380	7.115	ppb	100	
28) 1,1-Dichloropropene	4.332	75	27217	6.391	ppb	96	
29) Carbon tetrachloride	4.332	117	38432	6.726	ppb	96	
31] Benzene	4.504	78	79439	6.030	ppb	96	
32] Trichloroethene	5.053	95	30312	7.021	ppb	# 77	
33) 1,2-Dichloropropane	5.244	63	18392	6.480	ppb	93	
34) Bromodichloromethane	5.481	83	31980	7.023	ppb	93	
36) Dibromomethane	5.347	93	17333	6.705	ppb	# 67	

Data Path : Y:\Proc_GCMS13\11-11-22\
 Data File : 111125.D
 Acq On : 11 Nov 2022 05:00 pm
 Operator : WE
 Sample : 211163-01 ms
 Misc : soil
 ALS Vial : 22 Sample Multiplier: 1
 InstName : GCMS13

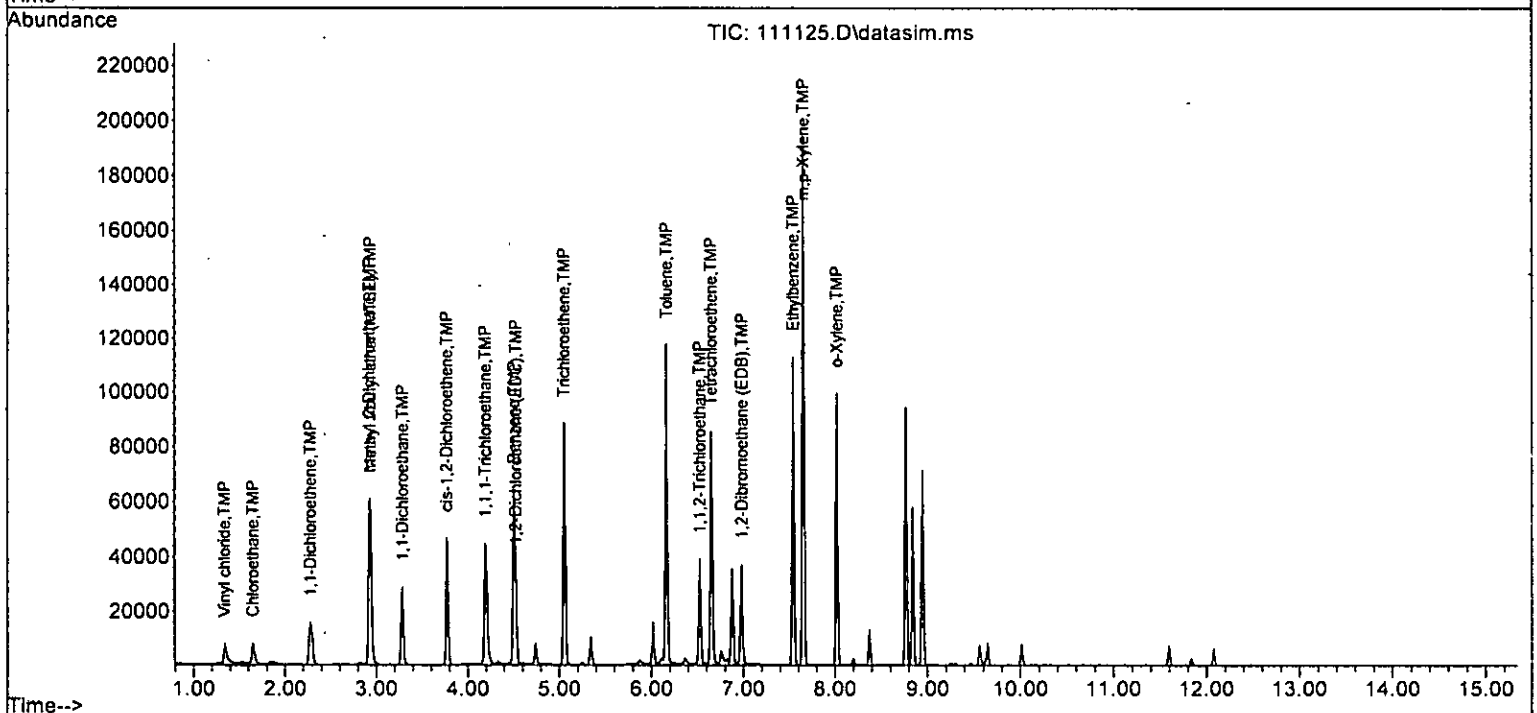
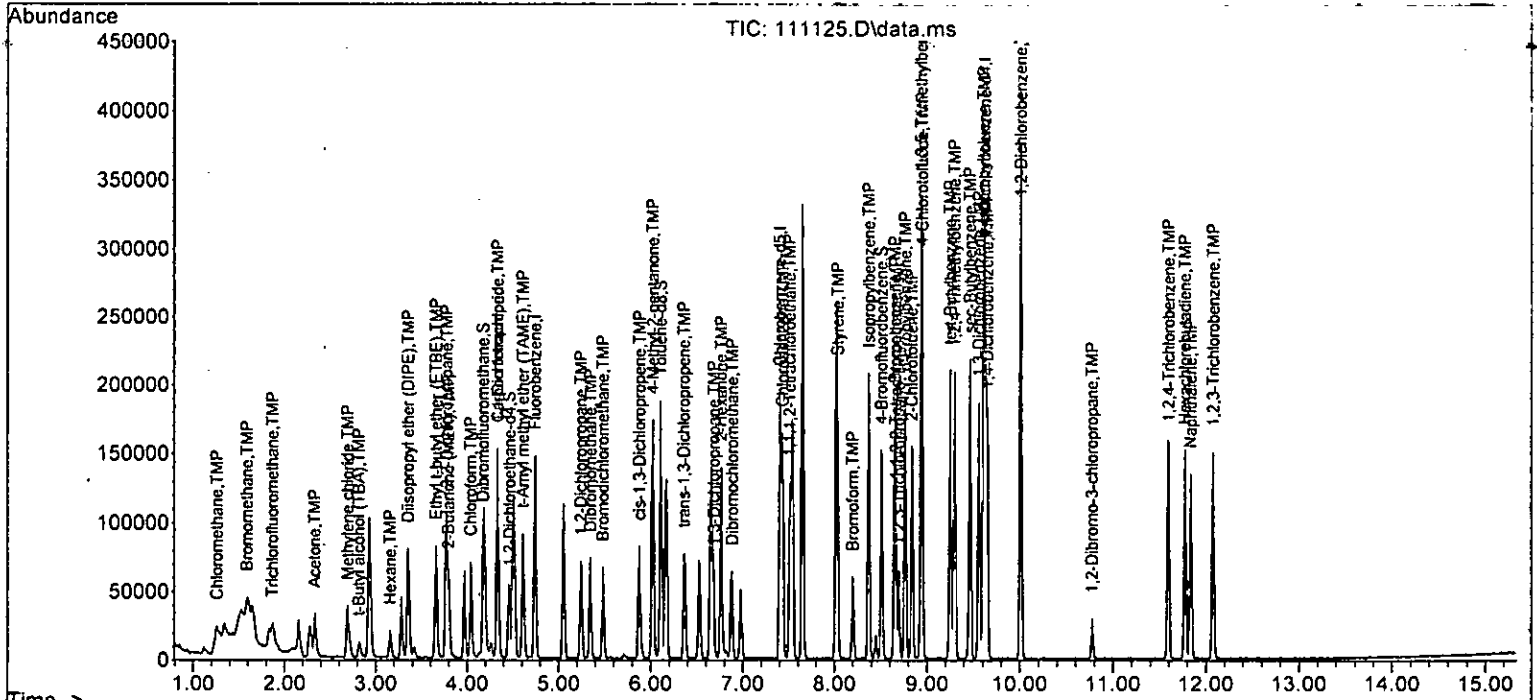
Quant Time: Nov 14 08:02:17 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13.M
~~Quant Title : 8260-Purge-&-Trap-Volatiles-Dual-Acquisition~~
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	6.025	85	21329	42.682	ppb #	81
38) cis-1,3-Dichloropropene	5.877	75	32473	7.656	ppb	91
40] Toluene	6.164	92	58662	7.368	ppb	95
41) trans-1,3-Dichloropropene	6.361	75	30852	8.838	ppb	88
42] 1,1,2-Trichloroethane	6.527	83	18134	7.052	ppb	88
43) 2-Hexanone	6.764	43	72638	38.602	ppb	95
44) 1,3-Dichloropropane	6.683	76	31462	6.932	ppb	98
45] Tetrachloroethene	6.648	164	32287	8.236	ppb	96
46) Dibromochloromethane	6.885	129	34930	8.186	ppb	99
47] 1,2-Dibromoethane (EDB)	6.984	107	27801	7.789	ppb	98
48) Chlorobenzene	7.431	112	78944	8.009	ppb	90
49] Ethylbenzene	7.539	91	113364	7.335	ppb	91
50) 1,1,1,2-Tetrachloroethane	7.508	131	32068	8.357	ppb	95
51] m,p-Xylene	7.651	106	94809	15.610	ppb	83
52] o-Xylene	8.022	106	46666	7.958	ppb	81
53) Styrene	8.034	104	72960	8.284	ppb	94
54) Isopropylbenzene	8.370	105	119741	8.403	ppb	91
55) Bromoform	8.198	173	24290	8.183	ppb	99
58) n-Propylbenzene	8.766	91	123579	7.861	ppb	82
59) Bromobenzene	8.654	156	41846	8.581	ppb #	77
60) 1,3,5-Trimethylbenzene	8.939	105	98418	8.590	ppb	93
61) 1,1,2,2-Tetrachloroethane	8.663	83	24639	7.217	ppb	95
62) 1,2,3-Trichloropropane	8.697	75	19431	6.863	ppb	90
63) 2-Chlorotoluene	8.835	91	73941	7.854	ppb	87
64) 4-Chlorotoluene	8.947	91	87287	7.840	ppb	82
65) tert-Butylbenzene	9.250	119	97886	8.612	ppb	89
66) 1,2,4-Trimethylbenzene	9.298	105	99183	8.532	ppb	90
67) sec-Butylbenzene	9.465	105	128331	8.400	ppb	90
68) p-Isopropyltoluene	9.610	119	122354	8.803	ppb	94
69) 1,3-Dichlorobenzene	9.562	146	74301	8.343	ppb	96
70) 1,4-Dichlorobenzene	9.652	146	74657	8.198	ppb	97
71) 1,2-Dichlorobenzene	10.012	146	72928	8.610	ppb	97
72) 1,2-Dibromo-3-chloropr...	10.774	75	5123	8.153	ppb	74
73) 1,2,4-Trichlorobenzene	11.599	180	51513	9.115	ppb	98
74) Hexachlorobutadiene	11.772	225	29665	8.495	ppb	98
75) Naphthalene	11.835	128	102223	9.458	ppb	99
76) 1,2,3-Trichlorobenzene	12.077	180	45366	9.210	ppb	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS13\11-11-22\
 Data File : 111125.D
 Acq On : 11 Nov 2022 05:00 pm
 Operator : WE
 Sample : 211163-01 ms
 Misc : soil
 ALS Vial : 22 Sample Multiplier: 1
 InstName : GCMS13

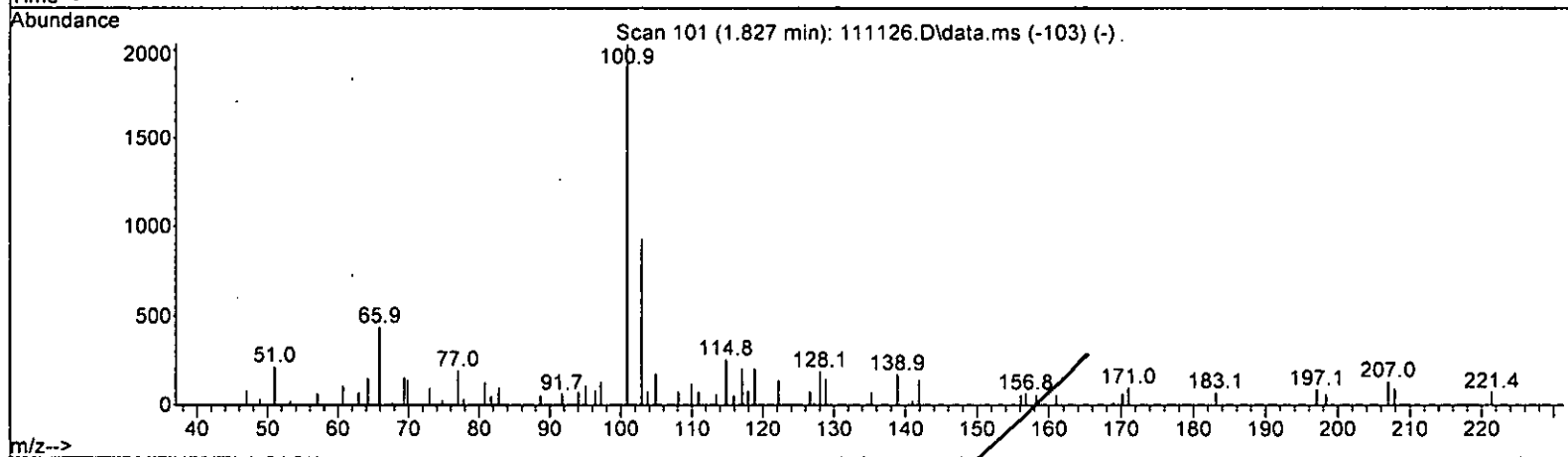
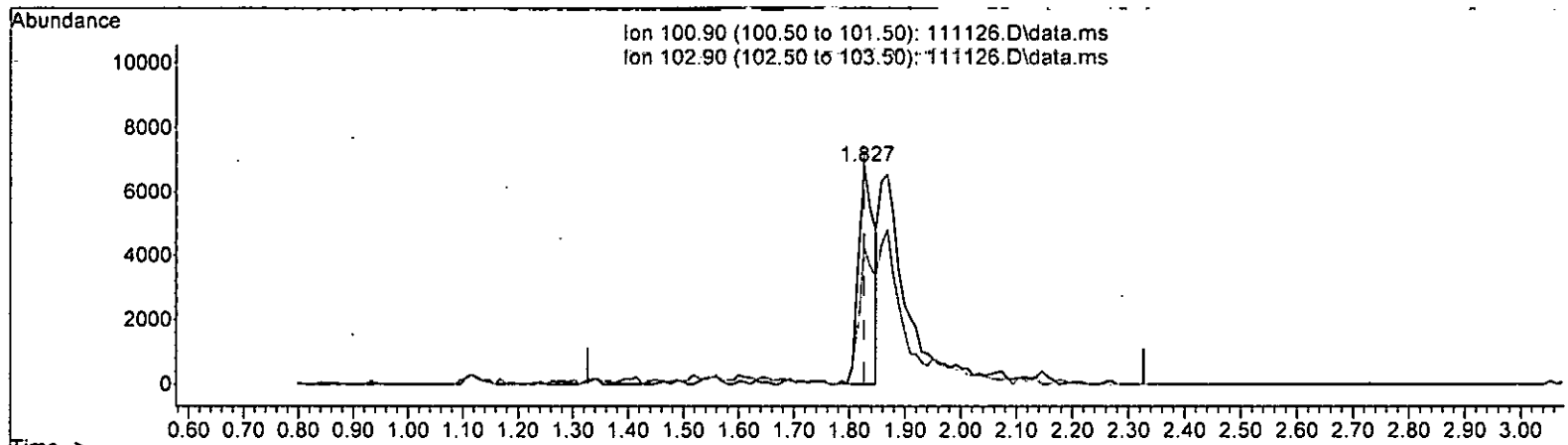
Quant Time: Nov 14 08:02:17 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth: VM080322.M



Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-11-22\
 Data File : 111126.D
 Acq On : 11 Nov 2022 05:23 pm
 Operator : WE
 Sample : 211163-01 msd
 Misc : soil
 ALS Vial : 23 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 14 08:02:21 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth: VM080322.M



TIC: 111126.D\data.ms

u 11.14.22

(9) Trichlorofluoromethane (TMP)

1.827min (-0.000) 1.008 ppb

response 13410

Ion	Exp%	Act%
100.90	100.00	100.00
102.90	65.30	62.57
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-11-22\
 Data File : 111126.D
 Acq On : 11 Nov 2022 05:23 pm
 Operator : WE
 Sample : 211163-01 msd
 Misc : soil
 ALS Vial : 23 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 14 08:02:21 2022

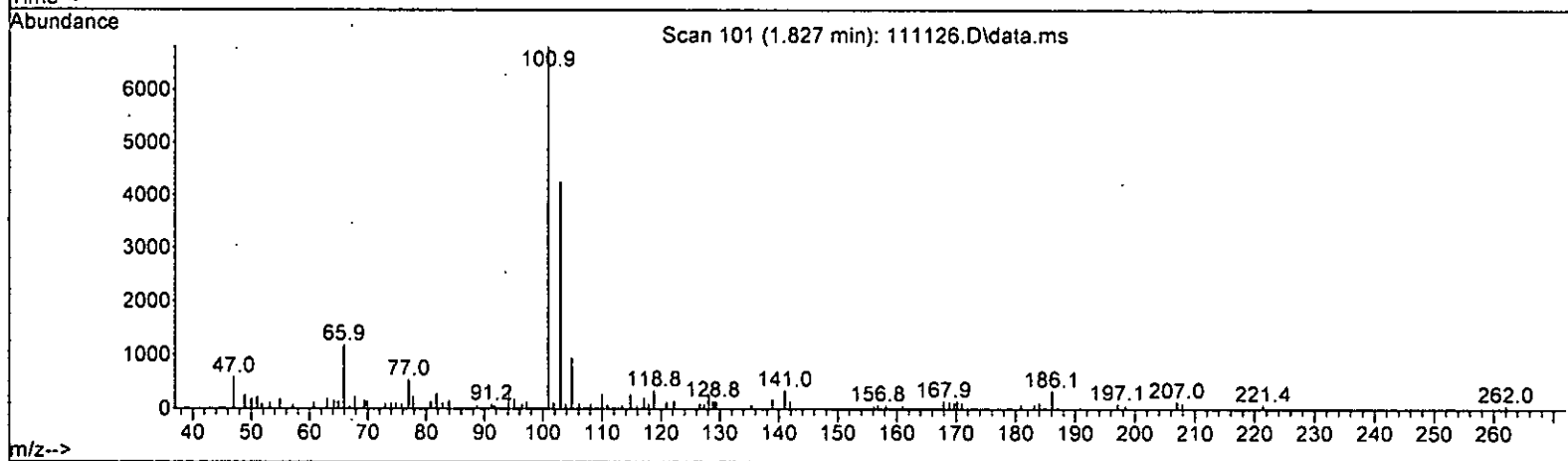
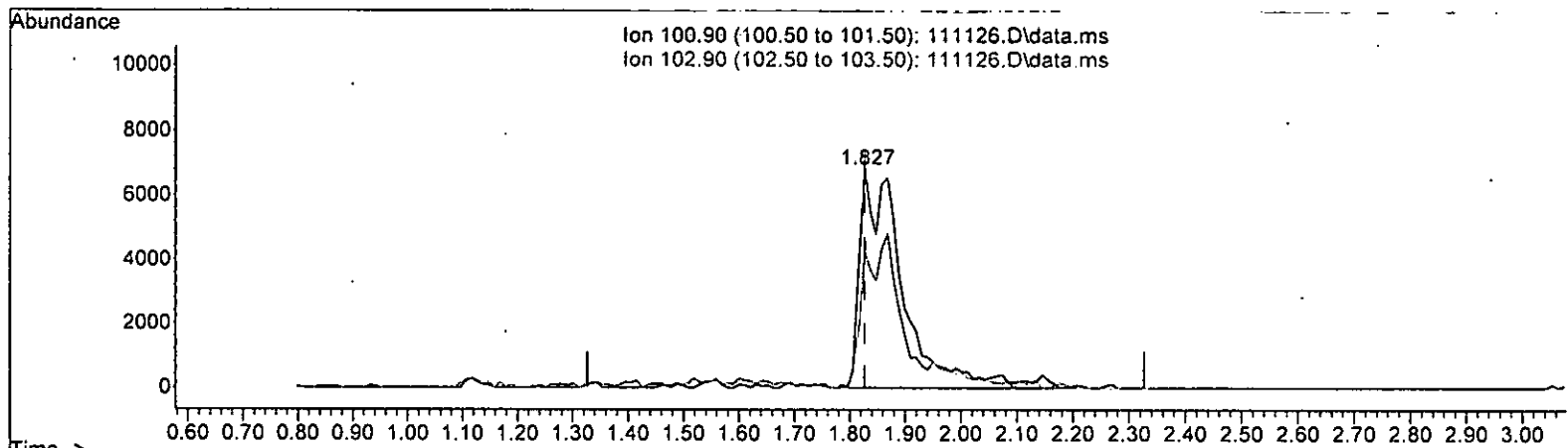
Quant Method : Y:\Methods\Inst13\VB110522ms13.M

Quant Title : 8260-Purge-&-Trap-Volatiles-Dual=Acquisition

QLast Update : Mon Nov 07 15:16:10 2022

Response via : Initial Calibration

DataAcq Meth:VM080322.M



TIC: 111126.D\data.ms *W 11.14.22*

(9) Trichlorofluoromethane (TMP)

1.827min (-0.000) 3.027 ppb m

response	40259
Ion	Exp% Act%
100.90	100.00 100.00
102.90	65.30 62.57
0.00	0.00 0.00
0.00	0.00 0.00

Data Path : Y:\Proc_GCMS13\11-11-22\
 Data File : 111126.D
 Acq On : 11 Nov 2022 05:23 pm
 Operator : WE
 Sample : 211163-01 msd
 Misc : soil
 ALS Vial : 23 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 14 08:02:21 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13.M

~~Quant Title : 8260=Purge=&Trap=Volatiles-Dual-Acquisition~~

~~QLast Update : Mon Nov 07 15:16:10 2022~~

Response via : Initial Calibration

DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) Fluorobenzene	4.746	96	118429	10.000	ppb	0.00	
39) Chlorobenzene-d5	7.405	117	97417	10.000	ppb	0.00	
56) 1,4-Dichlorobenzene-d4	9.624	152	58546	10.000	ppb	0.00	
System Monitoring Compounds							
3) Dibromofluoromethane	4.175	113	36647	9.649	ppb	0.00	
Spiked Amount	10.000	Range	50 - 150	Recovery	=	96.50%	
30) 1,2-Dichloroethane-d4	4.455	102	7090	9.633	ppb	0.00	
Spiked Amount	10.000	Range	84 - 120	Recovery	=	96.30%	
35) Toluene-d8	6.105	98	102842	9.105	ppb	0.00	
Spiked Amount	10.000	Range	73 - 128	Recovery	=	91.10%	
57) 4-Bromofluorobenzene	8.508	95	38839	9.628	ppb	0.00	
Spiked Amount	10.000	Range	57 - 146	Recovery	=	96.30%	
Target Compounds							
2) Ethanol	2.331	45	266	No Calib			Qvalue
4) Dichlorodifluoromethane	1.117	85	5939	N.D.			
5) Chloromethane	1.251	50	15227	2.634	ppb	98	
6] Vinyl chloride	1.338	62	13611	2.255	ppb	98	
7) Bromomethane	1.590	94	36512	7.136	ppb	97	
8] Chloroethane	1.647	64	10739	3.965	ppb	99	
9) Trichlorofluoromethane	1.827	101	40259m	3.027	ppb		
10) 2-Propanol	2.331	45	266	No Calib	#		
11) Acetone	2.331	58	9632	30.539	ppb	96	
12] 1,1-Dichloroethene	2.274	96	13980	4.143	ppb	89	
13) Hexane	3.156	57	7367	1.924	ppb	94	
14) Methylene chloride	2.682	84	19799	5.043	ppb	92	
15) t-Butyl alcohol (TBA)	2.816	59	12790	44.996	ppb	92	
16] Methyl t-butyl ether (...)	2.935	73	61949	7.857	ppb	99	
17] trans-1,2-Dichloroethene	2.924	96	20711	5.491	ppb	99	
18) Diisopropyl ether (DIPE)	3.352	45	52962	6.409	ppb	98	
19] 1,1-Dichloroethane	3.275	63	31830	5.800	ppb	99	
20) Ethyl t-butyl ether (E...)	3.661	87	27167	8.905	ppb	89	
21) 2,2-Dichloropropane	3.774	77	21477	7.540	ppb	100	
22] cis-1,2-Dichloroethene	3.769	96	26807	6.795	ppb	96	
23) Chloroform	4.041	83	41084	6.441	ppb	99	
24) 2-Butanone (MEK)	3.795	43	52148	35.039	ppb	97	
25) t-Amyl methyl ether (T...)	4.611	73	56579	8.840	ppb	94	
26] 1,2-Dichloroethane (EDC)	4.527	62	33485	6.942	ppb	99	
27] 1,1,1-Trichloroethane	4.191	97	39721	6.961	ppb	98	
28) 1,1-Dichloropropene	4.332	75	25896	6.048	ppb	91	
29) Carbon tetrachloride	4.332	117	38504	6.702	ppb	98	
31] Benzene	4.504	78	77889	5.881	ppb	98	
32] Trichloroethene	5.053	95	30742	7.082	ppb	#	73
33) 1,2-Dichloropropane	5.244	63	17874	6.264	ppb	93	
34) Bromodichloromethane	5.481	83	32114	7.014	ppb	90	
36) Dibromomethane	5.347	93	17522	6.742	ppb	#	74

Data Path : Y:\Proc_GCMS13\11-11-22\
 Data File : 111126.D
 Acq On : 11 Nov 2022 05:23 pm
 Operator : WE
 Sample : 211163-01 msd
 Misc : soil
 ALS Vial : 23 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 14 08:02:21 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast-Update: Mon-Nov-07-15:16:10-2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	6.024	85	20377	40.557	ppb	89
38) cis-1,3-Dichloropropene	5.877	75	31456	7.376	ppb	87
40] Toluene	6.164	92	58076	7.433	ppb	95
41) trans-1,3-Dichloropropene	6.361	75	31594	9.218	ppb	91
42] 1,1,2-Trichloroethane	6.527	83	18193	7.210	ppb	86
43) 2-Hexanone	6.764	43	72995	39.530	ppb	98
44) 1,3-Dichloropropane	6.683	76	32038	7.193	ppb	100
45] Tetrachloroethene	6.648	164	32028	8.325	ppb	95
46) Dibromochloromethane	6.885	129	35428	8.460	ppb	99
47] 1,2-Dibromoethane (EDB)	6.984	107	27966	7.985	ppb	98
48) Chlorobenzene	7.431	112	78770	8.143	ppb	92
49] Ethylbenzene	7.539	91	113756	7.500	ppb	91
50) 1,1,1,2-Tetrachloroethane	7.508	131	33671	8.941	ppb	97
51] m,p-Xylene	7.651	106	95372	16.002	ppb	81
52] o-Xylene	8.022	106	46748	8.123	ppb	82
53) Styrene	8.034	104	73937	8.554	ppb	92
54) Isopropylbenzene	8.370	105	119882	8.573	ppb	93
55) Bromoform	8.198	173	24256	8.327	ppb	94
58) n-Propylbenzene	8.766	91	126260	7.988	ppb	84
59) Bromobenzene	8.654	156	40884	8.339	ppb #	75
60) 1,3,5-Trimethylbenzene	8.939	105	97821	8.492	ppb	89
61) 1,1,2,2-Tetrachloroethane	8.663	83	24525	7.143	ppb	96
62) 1,2,3-Trichloropropane	8.697	75	19705	6.922	ppb	89
63) 2-Chlorotoluene	8.835	91	74371	7.857	ppb	85
64) 4-Chlorotoluene	8.947	91	87570	7.823	ppb	82
65) tert-Butylbenzene	9.250	119	100249	8.773	ppb	91
66) 1,2,4-Trimethylbenzene	9.298	105	100412	8.591	ppb	91
67) sec-Butylbenzene	9.464	105	128424	8.360	ppb	89
68) p-Isopropyltoluene	9.610	119	125239	8.962	ppb	95
69) 1,3-Dichlorobenzene	9.562	146	76440	8.536	ppb	94
70) 1,4-Dichlorobenzene	9.645	146	76750	8.382	ppb	95
71) 1,2-Dichlorobenzene	10.012	146	72544	8.519	ppb	94
72) 1,2-Dibromo-3-chloropr...	10.774	75	5467	8.654	ppb	89
73) 1,2,4-Trichlorobenzene	11.592	180	52301	9.205	ppb	98
74) Hexachlorobutadiene	11.772	225	30800	8.772	ppb	97
75) Naphthalene	11.835	128	104009	9.568	ppb	99
76) 1,2,3-Trichlorobenzene	12.077	180	46282	9.345	ppb	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : X:\GCMS11\GCMS11_Data\11-23-22\
 Data File : 112304.D
 Acq On : 23 Nov 2022 06:26 am
 Operator : LM
 Sample : 02-2819 LCS
 Misc : water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 23 11:44:20 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 14:08:49 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	4.63	96	37470	10.000	ppb	0.00
39) Chlorobenzene-d5	7.27	117	30002	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	16863	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.08	113	9905	9.335	ppb	0.00
Spiked Amount	10.000	Range	50 - 150	Recovery	=	93.40%
30) 1,2-Dichloroethane-d4	4.36	102	2375	10.059	ppb	0.00
Spiked Amount	10.000	Range	78 - 126	Recovery	=	100.60%
35) Toluene-d8	5.98	98	35656	10.720	ppb	0.00
Spiked Amount	10.000	Range	84 - 115	Recovery	=	107.20%
57) 4-Bromofluorobenzene	8.38	95	12804	10.153	ppb	0.00
Spiked Amount	10.000	Range	72 - 130	Recovery	=	101.50%
Target Compounds						
						Qvalue
2) Ethanol	0.00		0	N.D.		
4) Dichlorodifluoromethane	1.09	85	22697	7.853	ppb	95
5) Chloromethane	1.23	50	23043	6.563	ppb	95
6] Vinyl chloride	1.30	62	24080	7.669	ppb	100
7) Bromomethane	1.55	94	18205	9.905	ppb	100
8] Chloroethane	1.60	64	12367	7.850	ppb	99
9) Trichlorofluoromethane	1.77	101	29672	8.698	ppb	98
10) 2-Propanol	0.00		0	N.D.		
11) Acetone	2.26	58	4082	23.658	ppb	# 85
12] 1,1-Dichloroethene	2.19	96	9592	9.767	ppb	97
13) Hexane	3.05	57	12809	8.380	ppb	90
14) Methylene chloride	2.61	84	11445	8.671	ppb	90
15) t-Butyl alcohol (TBA)	2.73	59	6482	51.010	ppb	91
16] Methyl t-butyl ether (...)	2.84	73	26048	9.960	ppb	98
17] trans-1,2-Dichloroethene	2.83	96	10540	9.493	ppb	96
18) Diisopropyl ether (DIPE)	3.24	45	24837	7.692	ppb	93
19] 1,1-Dichloroethane	3.18	63	16693	8.460	ppb	98
20) Ethyl t-butyl ether (E...)	3.55	87	10423	9.591	ppb	91
21) 2,2-Dichloropropane	3.67	77	11743	8.794	ppb	93
22] cis-1,2-Dichloroethene	3.67	96	11283	9.544	ppb	95
23) Chloroform	3.94	83	16180	8.697	ppb	100
24) 2-Butanone (MEK)	3.70	43	20330	31.841	ppb	93
25) t-Amyl methyl ether (T...)	4.49	73	24289	9.637	ppb	97
26] 1,2-Dichloroethane (EDC)	4.42	62	12601	8.971	ppb	92
27] 1,1,1-Trichloroethane	4.08	97	15652	9.757	ppb	96
28) 1,1-Dichloropropene	4.22	75	13385	10.310	ppb	98
29) Carbon tetrachloride	4.21	117	14182	10.173	ppb	95
31] Benzene	4.39	78	37037	9.753	ppb	93
32] Trichloroethene	4.93	95	11174	9.589	ppb	88
33) 1,2-Dichloropropane	5.13	63	9559	9.579	ppb	100
34) Bromodichloromethane	5.37	83	12364	10.340	ppb	89
36) Dibromomethane	5.23	93	6143	10.104	ppb	87

Data Path : X:\GCMS11\GCMS11_Data\11-23-22\
 Data File : 112304.D
 Acq On : 23 Nov 2022 06:26 am
 Operator : LM
 Sample : 02-2819 LCS
 Misc : water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS11

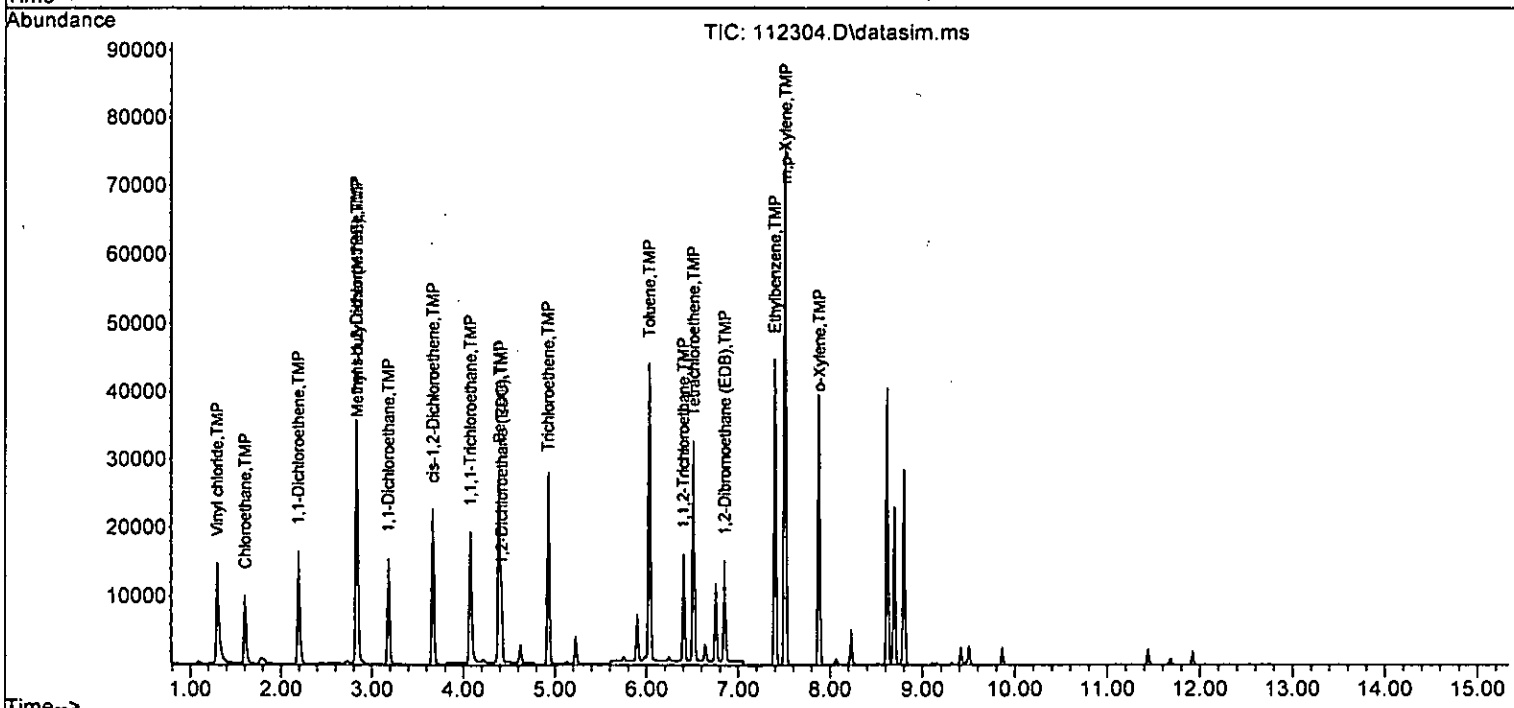
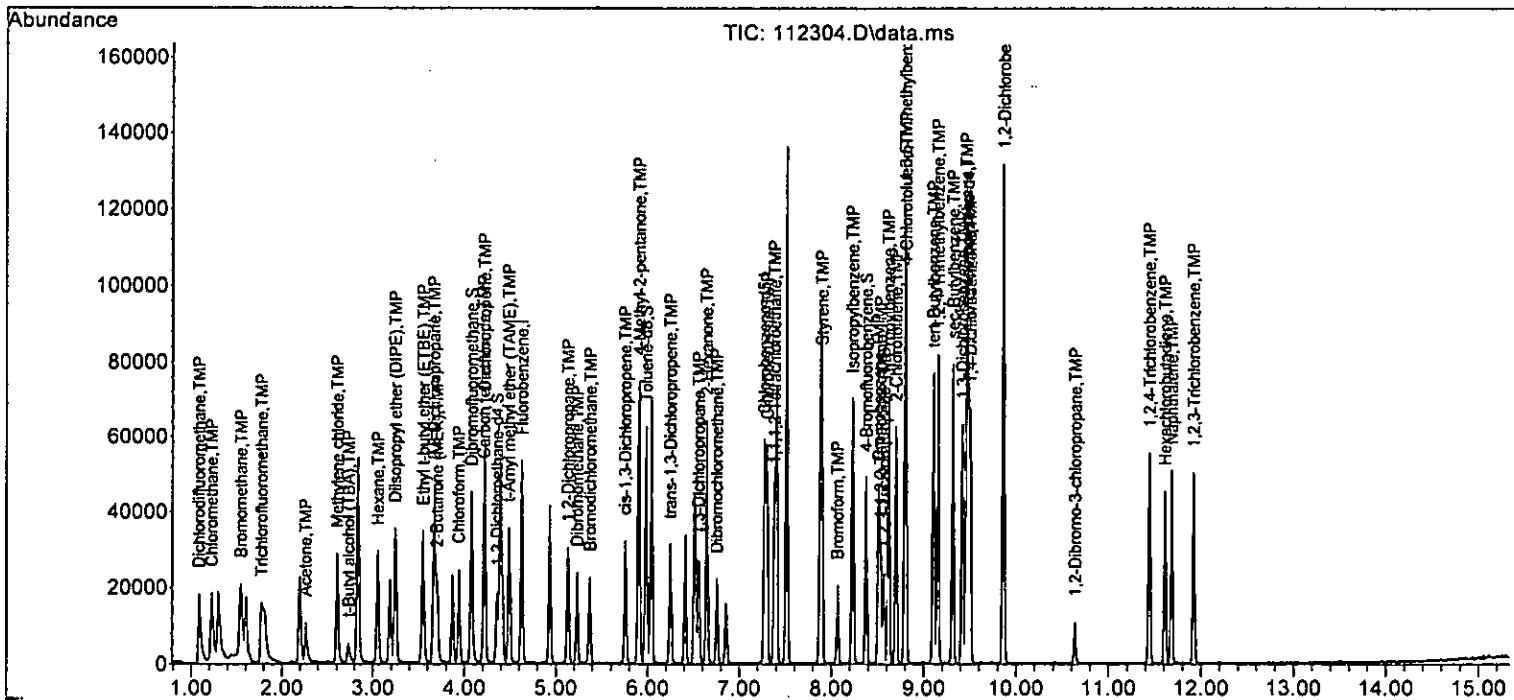
Quant Time: Nov 23 11:44:20 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 14:08:49 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	5.91	85	8837	52.046	ppb	90
38) cis-1,3-Dichloropropene	5.75	75	14841	10.894	ppb	93
40] Toluene	6.03	92	25100	9.628	ppb	92
41) trans-1,3-Dichloropropene	6.25	75	13126	10.790	ppb	94
42] 1,1,2-Trichloroethane	6.40	83	7730	10.914	ppb	91
43) 2-Hexanone	6.64	43	30471	37.898	ppb	87
44) 1,3-Dichloropropane	6.55	76	13412	10.400	ppb	99
45] Tetrachloroethene	6.51	164	11050	10.639	ppb	95
46) Dibromochloromethane	6.75	129	11131	10.783	ppb	94
47] 1,2-Dibromoethane (EDB)	6.85	107	9841	10.353	ppb	97
48) Chlorobenzene	7.30	112	28562	10.324	ppb	100
49] Ethylbenzene	7.40	91	46891	9.738	ppb	90
50) 1,1,1,2-Tetrachloroethane	7.38	131	10873	10.187	ppb	95
51] m,p-Xylene	7.52	106	36892	19.638	ppb	89
52] o-Xylene	7.88	106	18292	9.798	ppb	89
53) Styrene	7.90	104	28606	10.515	ppb	97
54) Isopropylbenzene	8.23	105	44682	9.540	ppb	94
55) Bromoform	8.07	173	8582	11.098	ppb	97
58) n-Propylbenzene	8.62	91	52000	10.186	ppb	100
59) Bromobenzene	8.51	156	13652	10.936	ppb	96
60) 1,3,5-Trimethylbenzene	8.80	105	38287	10.210	ppb	95
61) 1,1,2,2-Tetrachloroethane	8.53	83	12101	10.008	ppb	95
62) 1,2,3-Trichloropropane	8.57	75	8691	9.380	ppb	94
63) 2-Chlorotoluene	8.70	91	30523	9.902	ppb	97
64) 4-Chlorotoluene	8.81	91	35061	10.425	ppb	99
65) tert-Butylbenzene	9.10	119	34744	10.551	ppb	99
66) 1,2,4-Trimethylbenzene	9.15	105	39661	10.455	ppb	99
67) sec-Butylbenzene	9.32	105	49890	10.232	ppb	97
68) p-Isopropyltoluene	9.46	119	43374	10.281	ppb	96
69) 1,3-Dichlorobenzene	9.42	146	25357	10.487	ppb	96
70) 1,4-Dichlorobenzene	9.50	146	24361	10.102	ppb	96
71) 1,2-Dichlorobenzene	9.86	146	24501	10.172	ppb	97
72) 1,2-Dibromo-3-chloropr...	10.64	75	2091	8.530	ppb	88
73) 1,2,4-Trichlorobenzene	11.44	180	17111	9.546	ppb	92
74) Hexachlorobutadiene	11.61	225	10099	9.613	ppb	98
75) Naphthalene	11.68	128	35984	9.033	ppb	99
76) 1,2,3-Trichlorobenzene	11.92	180	15408	9.257	ppb	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : X:\GCMS11\GCMS11_Data\11-23-22\
 Data File : 112304.D
 Acq On : 23 Nov 2022 06:26 am
 Operator : LM
 Sample : 02-2819 LCS
 Misc : water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 23 11:44:20 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 14:08:49 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M



Data Path : X:\GCMS11\GCMS11_Data\11-23-22\
 Data File : 112305.D
 Acq On : 23 Nov 2022 06:49 am
 Operator : LM
 Sample : 02-2819 LCSD
 Misc : water
 ALS Vial : 3 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 23 11:45:24 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 14:08:49 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	4.63	96	37068	10.000	ppb	0.00
39) Chlorobenzene-d5	7.27	117	29737	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	16758	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.08	113	9792	9.329	ppb	0.00
Spiked Amount	10.000	Range	50 - 150	Recovery	=	93.30%
30) 1,2-Dichloroethane-d4	4.36	102	2159	9.244	ppb	0.00
Spiked Amount	10.000	Range	78 - 126	Recovery	=	92.40%
35) Toluene-d8	5.98	98	34753	10.562	ppb	0.00
Spiked Amount	10.000	Range	84 - 115	Recovery	=	105.60%
57) 4-Bromofluorobenzene	8.38	95	12687	10.124	ppb	0.00
Spiked Amount	10.000	Range	72 - 130	Recovery	=	101.20%
Target Compounds						
						Qvalue
2) Ethanol	0.00		0	N.D.		
4) Dichlorodifluoromethane	1.09	85	21517	7.526	ppb	100
5) Chloromethane	1.23	50	22776	6.557	ppb	95
6] Vinyl chloride	1.29	62	23762	7.649	ppb	95
7) Bromomethane	1.54	94	16259	8.942	ppb	94
8] Chloroethane	1.60	64	12212	7.835	ppb	96
9) Trichlorofluoromethane	1.77	101	29255	8.669	ppb	92
10) 2-Propanol	0.00		0	N.D.		
11) Acetone	2.26	58	3961	23.206	ppb	86
12] 1,1-Dichloroethene	2.19	96	9206	9.476	ppb	90
13) Hexane	3.05	57	12297	8.132	ppb	89
14) Methylene chloride	2.61	84	10916	8.267	ppb	90
15) t-Butyl alcohol (TBA)	2.73	59	6425	51.109	ppb	90
16] Methyl t-butyl ether (...)	2.84	73	25623	9.904	ppb	97
17] trans-1,2-Dichloroethene	2.83	96	10374	9.445	ppb	93
18) Diisopropyl ether (DIPE)	3.24	45	23940	7.495	ppb	94
19] 1,1-Dichloroethane	3.18	63	16293	8.347	ppb	99
20) Ethyl t-butyl ether (E...)	3.55	87	10479	9.747	ppb	87
21) 2,2-Dichloropropane	3.67	77	11125	8.421	ppb	95
22] cis-1,2-Dichloroethene	3.67	96	10983	9.391	ppb	93
23) Chloroform	3.94	83	15948	8.666	ppb	96
24) 2-Butanone (MEK)	3.70	43	20251	32.061	ppb	91
25) t-Amyl methyl ether (T...)	4.49	73	23618	9.472	ppb	98
26] 1,2-Dichloroethane (EDC)	4.41	62	12343	8.883	ppb	99
27] 1,1,1-Trichloroethane	4.08	97	15312	9.649	ppb	97
28) 1,1-Dichloropropene	4.22	75	12867	10.018	ppb	96
29) Carbon tetrachloride	4.21	117	13697	9.932	ppb	99
31] Benzene	4.39	78	36132	9.618	ppb	93
32] Trichloroethene	4.93	95	10884	9.442	ppb	89
33) 1,2-Dichloropropane	5.13	63	9548	9.671	ppb	99
34) Bromodichloromethane	5.37	83	11626	9.828	ppb	96
36) Dibromomethane	5.23	93	6412	10.661	ppb	88

Data Path : X:\GCMS11\GCMS11_Data\11-23-22\
 Data File : 112305.D
 Acq On : 23 Nov 2022 06:49 am
 Operator : LM
 Sample : 02-2819 LCSD
 Misc : water
 ALS Vial : 3 Sample Multiplier: 1
 InstName : GCMS11

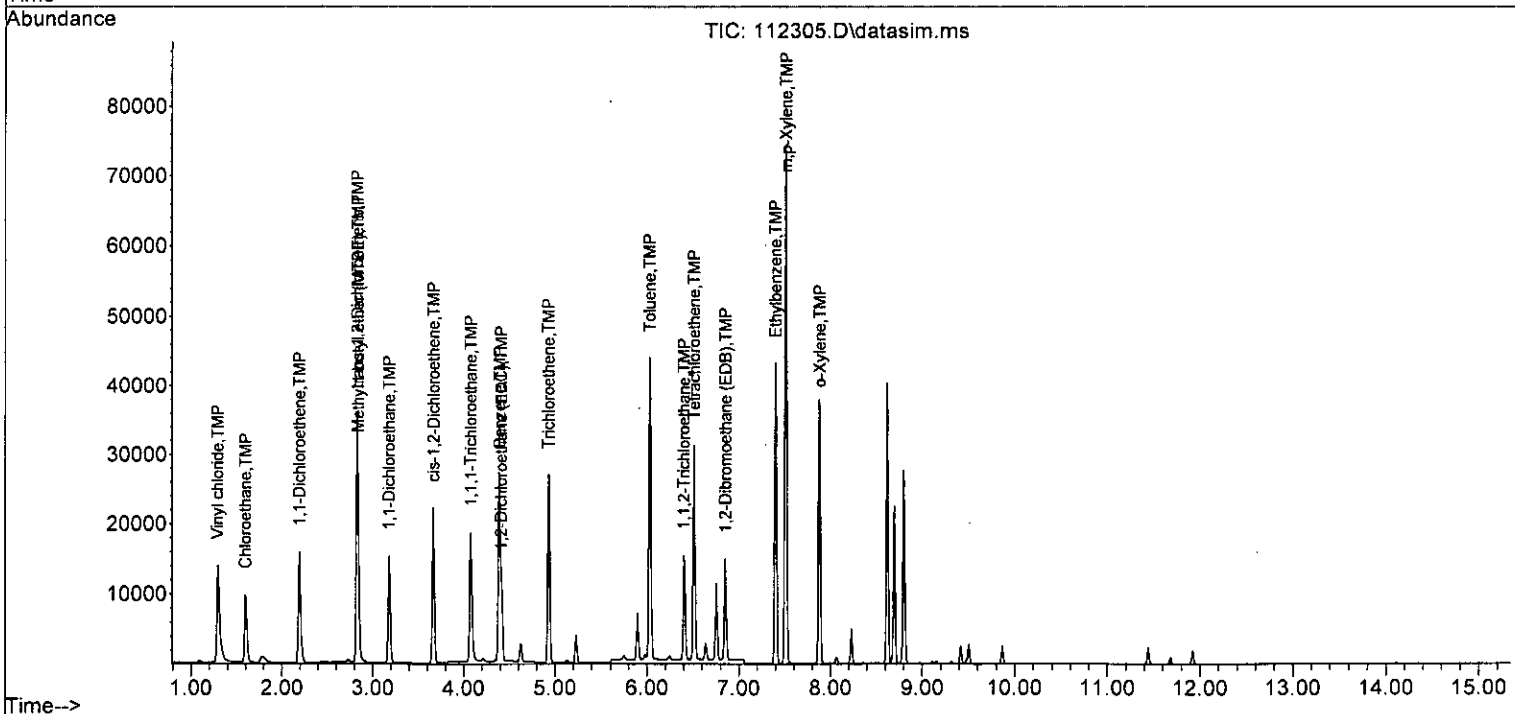
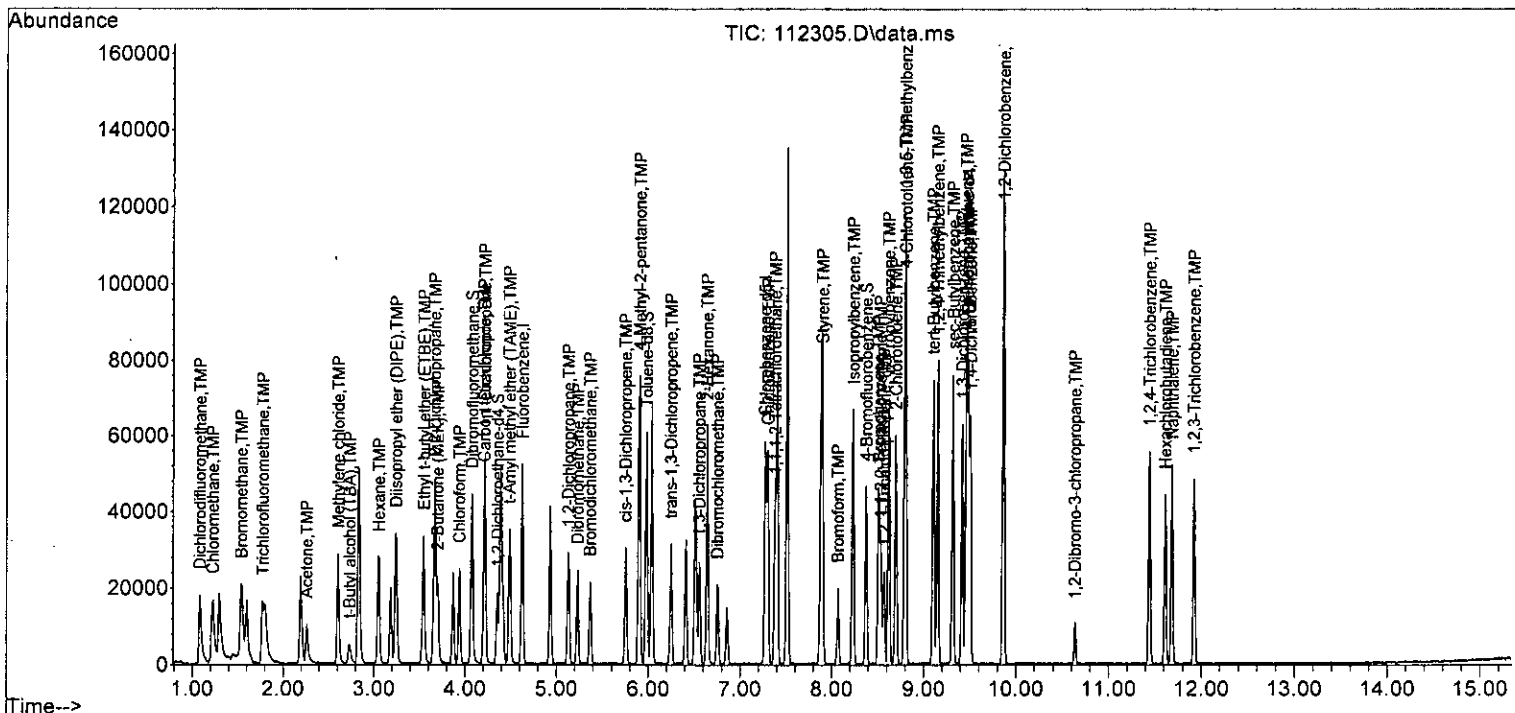
Quant Time: Nov 23 11:45:24 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 14:08:49 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	5.91	85	8905	53.015	ppb	96
38) cis-1,3-Dichloropropene	5.75	75	14338	10.638	ppb	96
40] Toluene	6.03	92	24538	9.497	ppb	91
41) trans-1,3-Dichloropropene	6.25	75	13137	10.895	ppb	91
42] 1,1,2-Trichloroethane	6.40	83	7570	10.783	ppb	91
43) 2-Hexanone	6.64	43	29792	37.384	ppb	85
44) 1,3-Dichloropropane	6.55	76	13312	10.414	ppb	94
45] Tetrachloroethene	6.51	164	10799	10.489	ppb	96
46) Dibromochloromethane	6.75	129	10754	10.510	ppb	94
47] 1,2-Dibromoethane (EDB)	6.85	107	9646	10.238	ppb	97
48) Chlorobenzene	7.30	112	27683	10.096	ppb	97
49] Ethylbenzene	7.40	91	45790	9.594	ppb	89
50) 1,1,1,2-Tetrachloroethane	7.38	131	10662	10.079	ppb	97
51] m,p-Xylene	7.52	106	36015	19.342	ppb	90
52] o-Xylene	7.88	106	17908	9.678	ppb	90
53) Styrene	7.90	104	27849	10.328	ppb	97
54) Isopropylbenzene	8.23	105	42169	9.084	ppb	97
55) Bromoform	8.07	173	8369	10.919	ppb	97
58) n-Propylbenzene	8.62	91	49989	9.853	ppb	98
59) Bromobenzene	8.51	156	13449	10.841	ppb	98
60) 1,3,5-Trimethylbenzene	8.80	105	36697	9.847	ppb	96
61) 1,1,2,2-Tetrachloroethane	8.53	83	11711	9.746	ppb	95
62) 1,2,3-Trichloropropane	8.57	75	8294	9.008	ppb	96
63) 2-Chlorotoluene	8.70	91	30470	9.946	ppb	97
64) 4-Chlorotoluene	8.81	91	34927	10.450	ppb	96
65) tert-Butylbenzene	9.10	119	34049	10.405	ppb	98
66) 1,2,4-Trimethylbenzene	9.15	105	38521	10.218	ppb	96
67) sec-Butylbenzene	9.32	105	48235	9.954	ppb	97
68) p-Isopropyltoluene	9.46	119	42730	10.192	ppb	96
69) 1,3-Dichlorobenzene	9.42	146	24146	10.048	ppb	99
70) 1,4-Dichlorobenzene	9.50	146	24011	10.020	ppb	97
71) 1,2-Dichlorobenzene	9.86	146	23511	9.822	ppb	96
72) 1,2-Dibromo-3-chloropr...	10.63	75	2082	8.547	ppb	77
73) 1,2,4-Trichlorobenzene	11.44	180	17251	9.685	ppb	99
74) Hexachlorobutadiene	11.61	225	9669	9.262	ppb	97
75) Naphthalene	11.68	128	36977	9.341	ppb	99
76) 1,2,3-Trichlorobenzene	11.92	180	15797	9.550	ppb	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : X:\GCMS11\GCMS11_Data\11-23-22\
 Data File : 112305.D
 Acq On : 23 Nov 2022 06:49 am
 Operator : LM
 Sample : 02-2819 LCSD
 Misc : water
 ALS Vial : 3 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 23 11:45:24 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 14:08:49 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M



Data Path : X:\GCMS11\GCMS11_Data\11-23-22\
 Data File : 112307.D
 Acq On : 23 Nov 2022 07:33 am
 Operator : LM
 Sample : 02-2819 MB
 Misc : water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 23 11:45:41 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 14:08:49 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

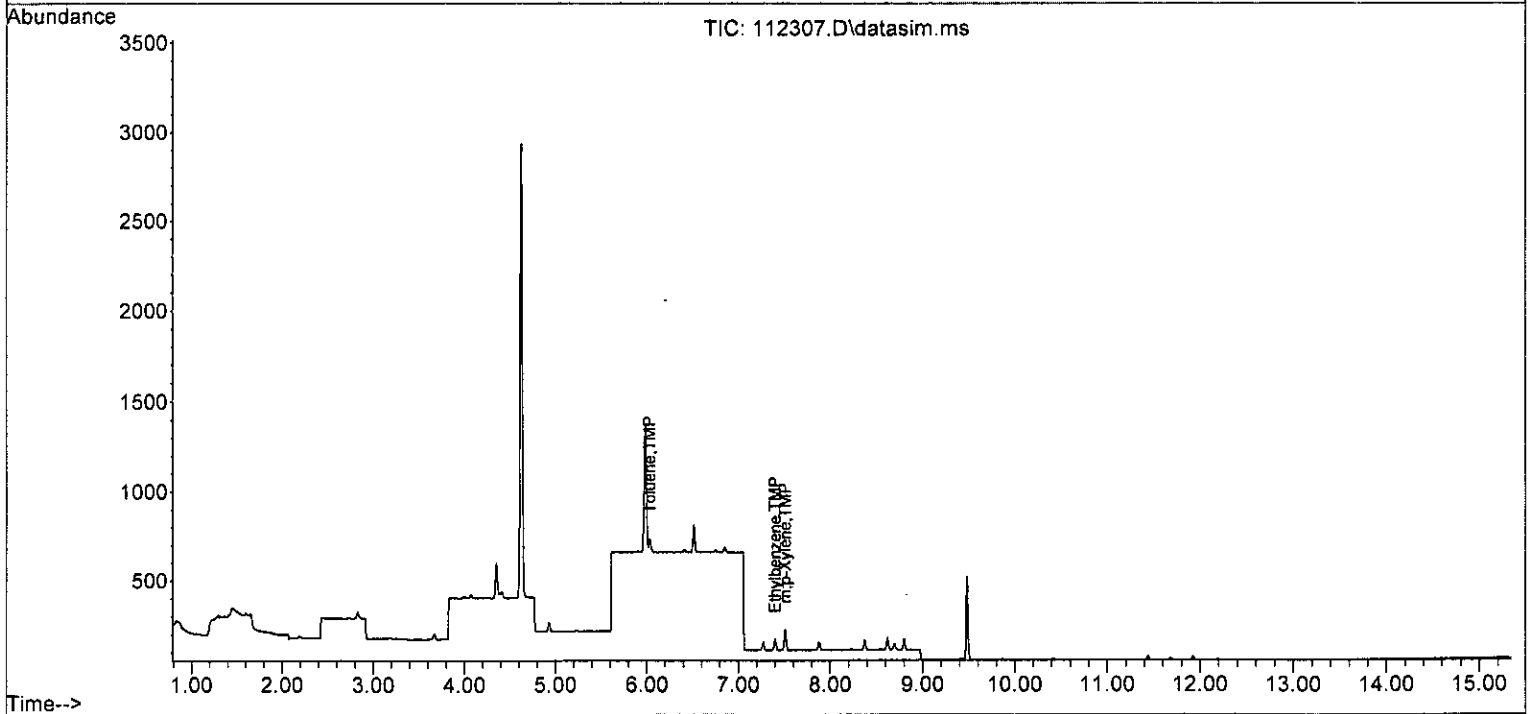
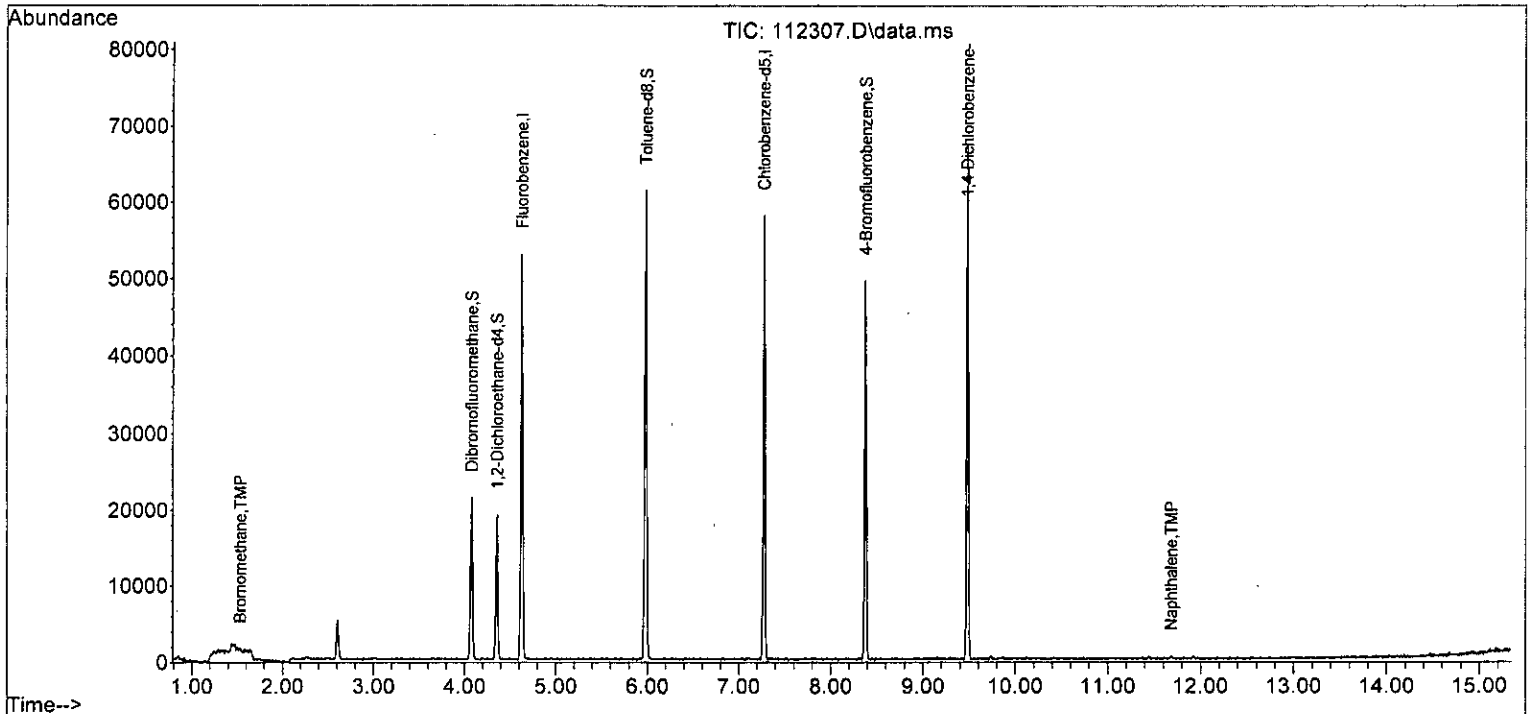
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

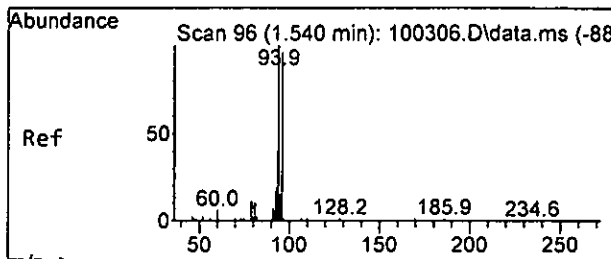
Internal Standards						
1) Fluorobenzene	4.63	96	38612	10.000	ppb	0.00
39) Chlorobenzene-d5	7.27	117	30000	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	16943	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.08	113	10241	9.367	ppb	0.00
Spiked Amount	10.000	Range 50 - 150	Recovery	=	93.70%	
30) 1,2-Dichloroethane-d4	4.36	102	2612	10.736	ppb	0.00
Spiked Amount	10.000	Range 78 - 126	Recovery	=	107.40%	
35) Toluene-d8	5.98	98	35583	10.382	ppb	0.00
Spiked Amount	10.000	Range 84 - 115	Recovery	=	103.80%	
57) 4-Bromofluorobenzene	8.38	95	13082	10.325	ppb	0.00
Spiked Amount	10.000	Range 72 - 130	Recovery	=	103.20%	
Target Compounds						
7) Bromomethane	1.53	94	328	0.173	ppb	# 7
14) Methylene chloride	2.61	84	1916	Below Cal		89
40] Toluene	6.03	92	51	0.020	ppb	97
45] Tetrachloroethene	6.51	164	55	Below Cal		91
49] Ethylbenzene	7.40	91	68	0.014	ppb	91
51] m,p-Xylene	7.51	106	54	0.029	ppb	81
75) Naphthalene	11.68	128	410	0.102	ppb	68

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : X:\GCMS11\GCMS11_Data\11-23-22\
 Data File : 112307.D
 Acq On : 23 Nov 2022 07:33 am
 Operator : LM
 Sample : 02-2819 MB
 Misc : water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS11

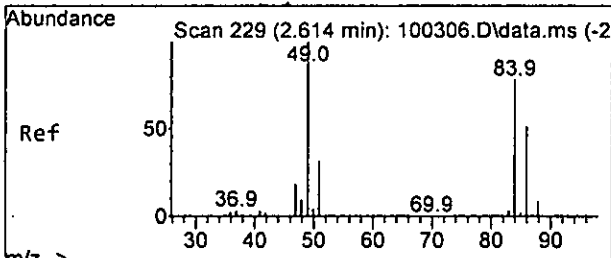
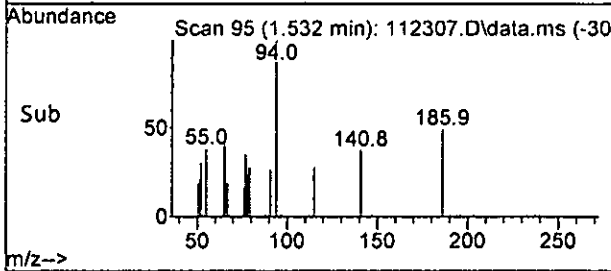
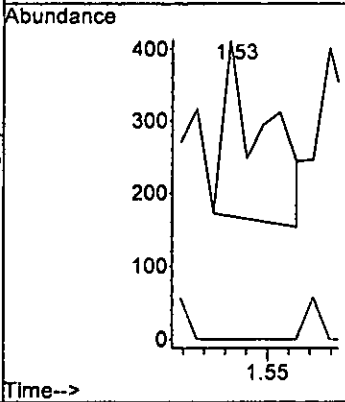
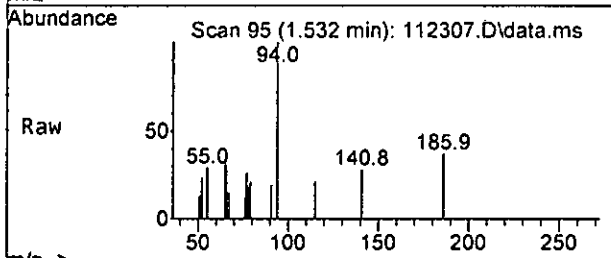
Quant Time: Nov 23 11:45:41 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 14:08:49 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M





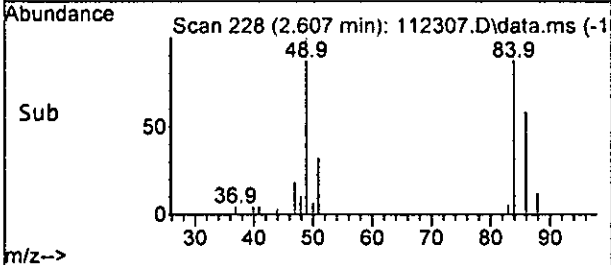
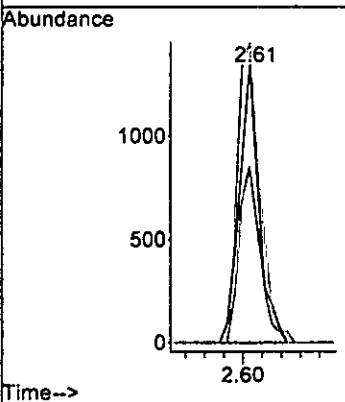
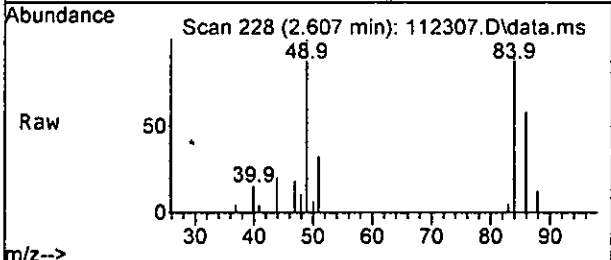
#7
 Bromomethane
 Concen: 0.173 ppb
 RT: 1.53 min Scan# 95
 Delta R.T. 0.008 min
 Lab File: 112307.D
 Acq: 23 Nov 2022 07:33 am

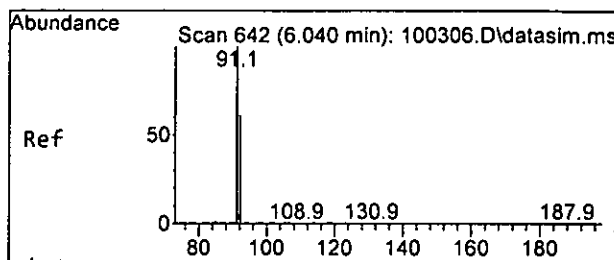
Tgt Ion: 94 Resp: 328
 Ion Ratio Lower Upper
 94 100
 96 0.0 55.6 115.6#



#14
 Methylene chloride
 Concen: Below Cal
 RT: 2.61 min Scan# 228
 Delta R.T. 0.008 min
 Lab File: 112307.D
 Acq: 23 Nov 2022 07:33 am

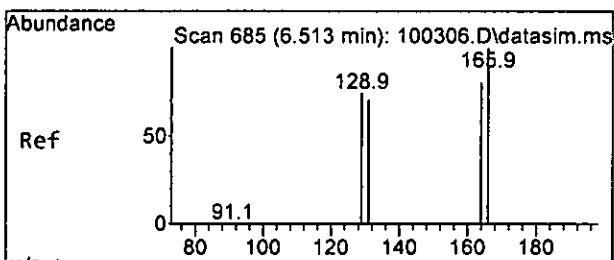
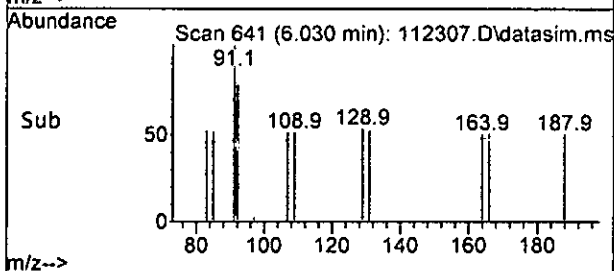
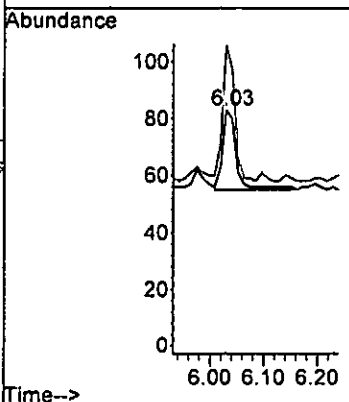
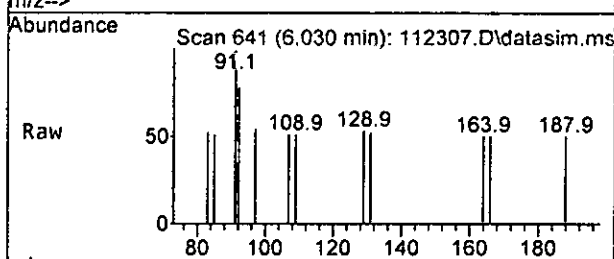
Tgt Ion: 84 Resp: 1916
 Ion Ratio Lower Upper
 84 100
 86 63.2 32.4 92.4
 49 108.2 96.9 156.9





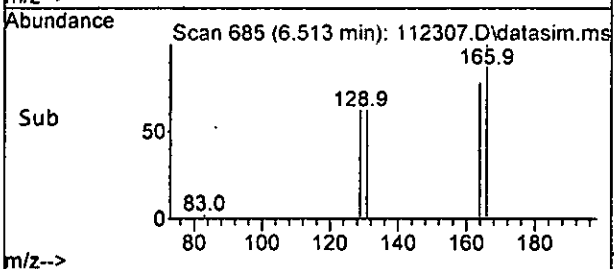
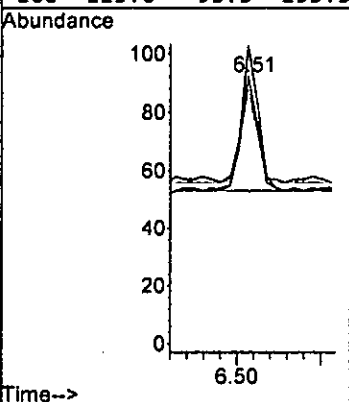
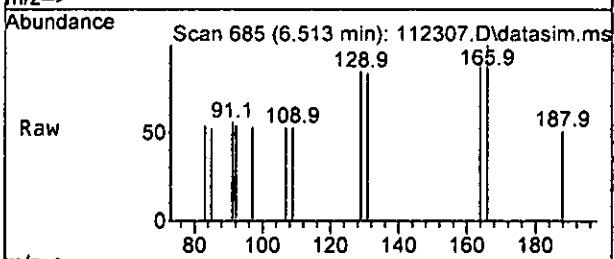
#40
 Toluene
 Concen: 0.020 ppb
 RT: 6.03 min Scan# 641
 Delta R.T. 0.001 min
 Lab File: 112307.D
 Acq: 23 Nov 2022 07:33 am

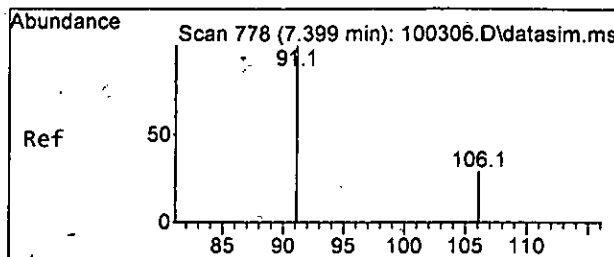
Tgt Ion: 92 Resp: 51
 Ion Ratio Lower Upper
 92 100
 91 171.4 136.9 196.9



#45
 Tetrachloroethene
 Concen: Below Cal
 RT: 6.51 min Scan# 685
 Delta R.T. 0.000 min
 Lab File: 112307.D
 Acq: 23 Nov 2022 07:33 am

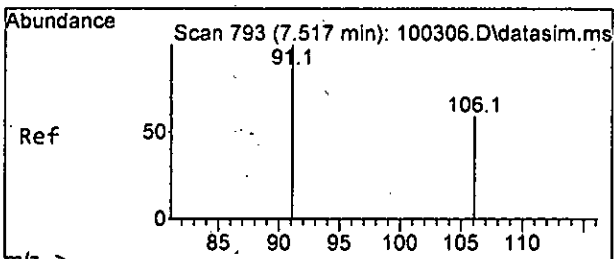
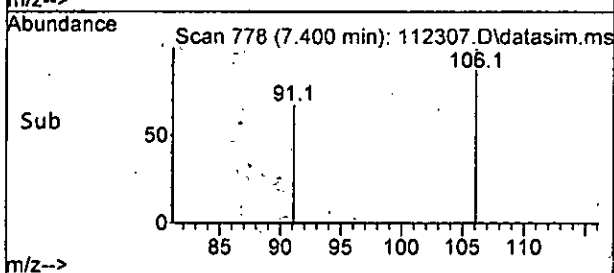
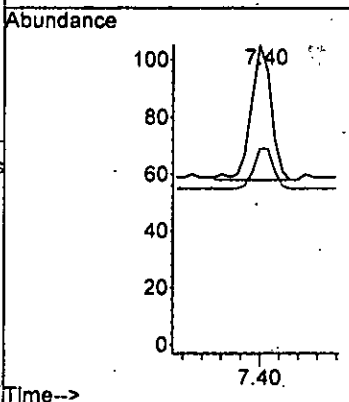
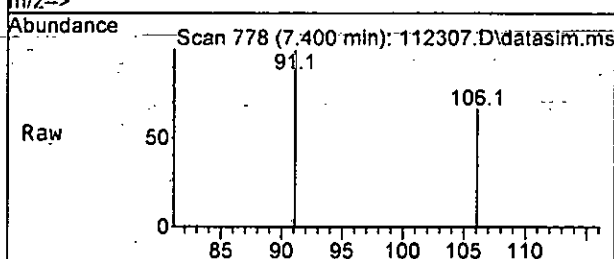
Tgt Ion: 164 Resp: 55
 Ion Ratio Lower Upper
 164 100
 129 79.5 64.7 124.7
 131 79.5 58.7 118.7
 166 125.6 93.3 153.3





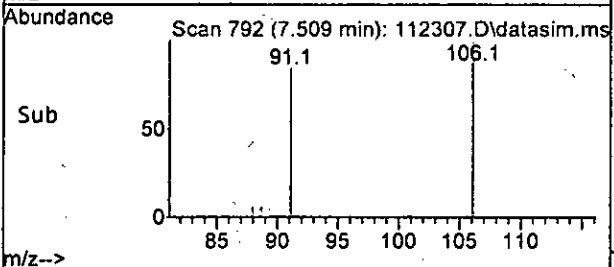
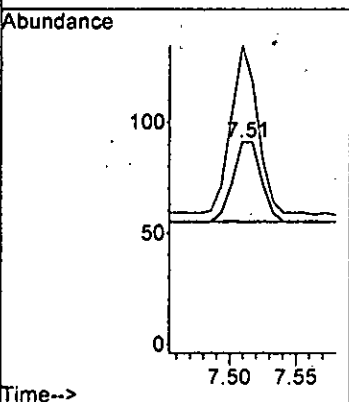
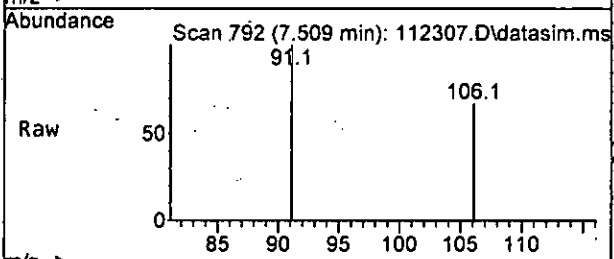
#49
 Ethylbenzene
 Concen: 0.014 ppb
 RT: 7.40 min Scan# 778
 Delta R.T. 0.001 min
 Lab File: 112307.D
 Acq: 23 Nov 2022 07:33 am

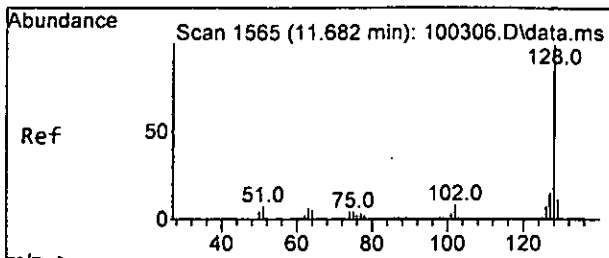
Tgt Ion: 91 Resp: 68
 Ion Ratio Lower Upper
 91 100
 106 29.8 4.9 64.9



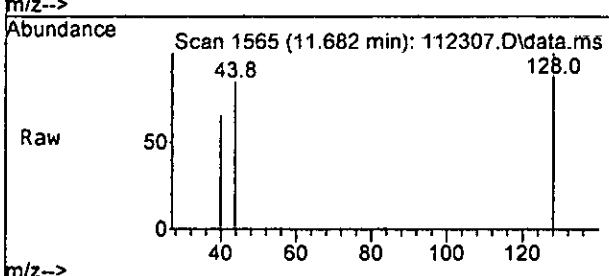
#51
 m,p-Xylene
 Concen: 0.029 ppb
 RT: 7.51 min Scan# 792
 Delta R.T. 0.000 min
 Lab File: 112307.D
 Acq: 23 Nov 2022 07:33 am

Tgt Ion: 106 Resp: 54
 Ion Ratio Lower Upper
 106 100
 91 211.1 154.2 214.2



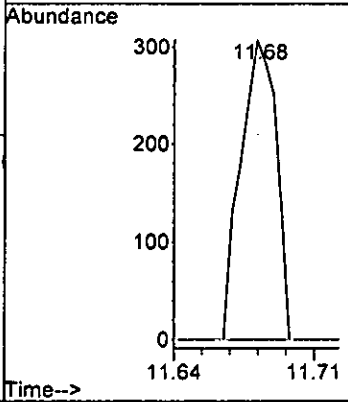
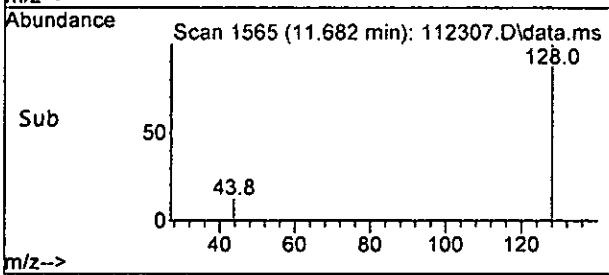


#75
 Naphthalene
 Concen: 0.102 ppb
 RT: 11.68 min Scan# 1565
 Delta R.T. 0.001 min
 Lab File: 112307.D
 Acq: 23 Nov 2022 07:33 am



Tgt Ion: 128 Resp: 410

Ion	Ratio	Lower	Upper
128	100		
129	0.0	0.0	41.2
127	0.0	0.0	43.5



Data Path : X:\GCMS11\GCMS11_Data\11-23-22\
 Data File : 112307.D
 Acq On : 23 Nov 2022 07:33 am
 Operator : LM
 Sample : 02-2819 MB
 Misc : water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 23 11:45:41 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 14:08:49 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	4.63	96	38612	10.000	ppb	0.00
39) Chlorobenzene-d5	7.27	117	30000	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	16943	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.08	113	10241	9.367	ppb	0.00
Spiked Amount	10.000	Range 50 - 150	Recovery	=	93.70%	
30) 1,2-Dichloroethane-d4	4.36	102	2612	10.736	ppb	0.00
Spiked Amount	10.000	Range 78 - 126	Recovery	=	107.40%	
35) Toluene-d8	5.98	98	35583	10.382	ppb	0.00
Spiked Amount	10.000	Range 84 - 115	Recovery	=	103.80%	
57) 4-Bromofluorobenzene	8.38	95	13082	10.325	ppb	0.00
Spiked Amount	10.000	Range 72 - 130	Recovery	=	103.20%	
Target Compounds						
						Qvalue
2) Ethanol	0.00		0			N.D.
4) Dichlorodifluoromethane	0.00		0			N.D.
5) Chloromethane	1.23	50	342			N.D.
6) Vinyl chloride	0.00		0			N.D. d
7) Bromomethane	1.53	94	328	0.173	ppb	# 7
8) Chloroethane	0.00		0			N.D.
9) Trichlorofluoromethane	0.00		0			N.D.
10) 2-Propanol	0.00		0			N.D.
11) Acetone	2.28	58	90			N.D.
12) 1,1-Dichloroethene	0.00		0			N.D.
13) Hexane	0.00		0			N.D.
14) Methylene chloride	2.61	84	1916	Below Cal		89
15) t-Butyl alcohol (TBA)	0.00		0			N.D.
16) Methyl t-butyl ether (...)	0.00		0			N.D.
17) trans-1,2-Dichloroethene	0.00		0			N.D.
18) Diisopropyl ether (DIPE)	0.00		0			N.D.
19) 1,1-Dichloroethane	0.00		0			N.D.
20) Ethyl t-butyl ether (E...)	0.00		0			N.D.
21) 2,2-Dichloropropane	0.00		0			N.D.
22) cis-1,2-Dichloroethene	0.00		0			N.D.
23) Chloroform	0.00		0			N.D.
24) 2-Butanone (MEK)	0.00		0			N.D.
25) t-Amyl methyl ether (T...)	0.00		0			N.D.
26) 1,2-Dichloroethane (EDC)	0.00		0			N.D.
27) 1,1,1-Trichloroethane	0.00		0			N.D.
28) 1,1-Dichloropropene	0.00		0			N.D.
29) Carbon tetrachloride	0.00		0			N.D.
31) Benzene	0.00		0			N.D.
32) Trichloroethene	0.00		0			N.D.
33) 1,2-Dichloropropane	0.00		0			N.D.
34) Bromodichloromethane	0.00		0			N.D.
36) Dibromomethane	0.00		0			N.D.

Data Path : X:\GCMS11\GCMS11_Data\11-23-22\
 Data File : 112307.D
 Acq On : 23 Nov 2022 07:33 am
 Operator : LM
 Sample : 02-2819 MB
 Misc : water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS11

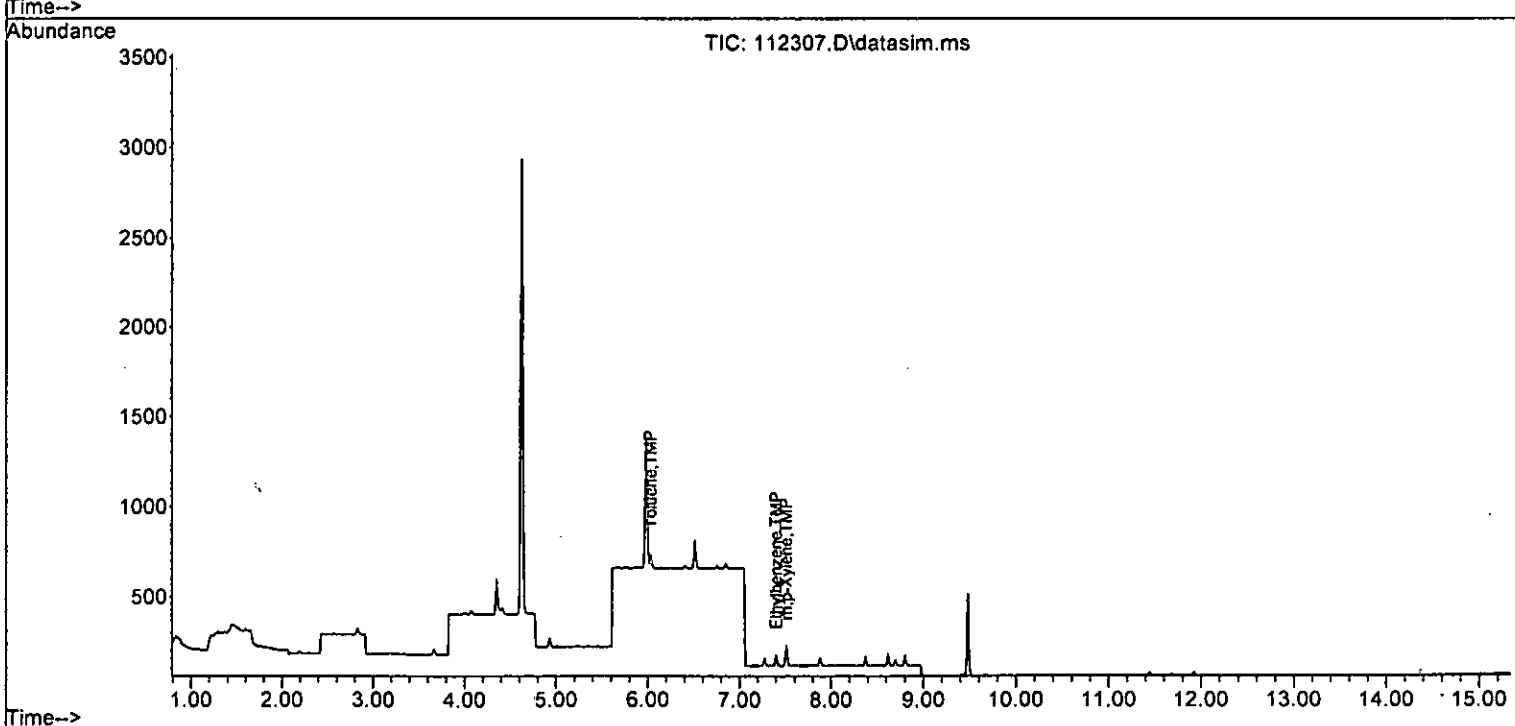
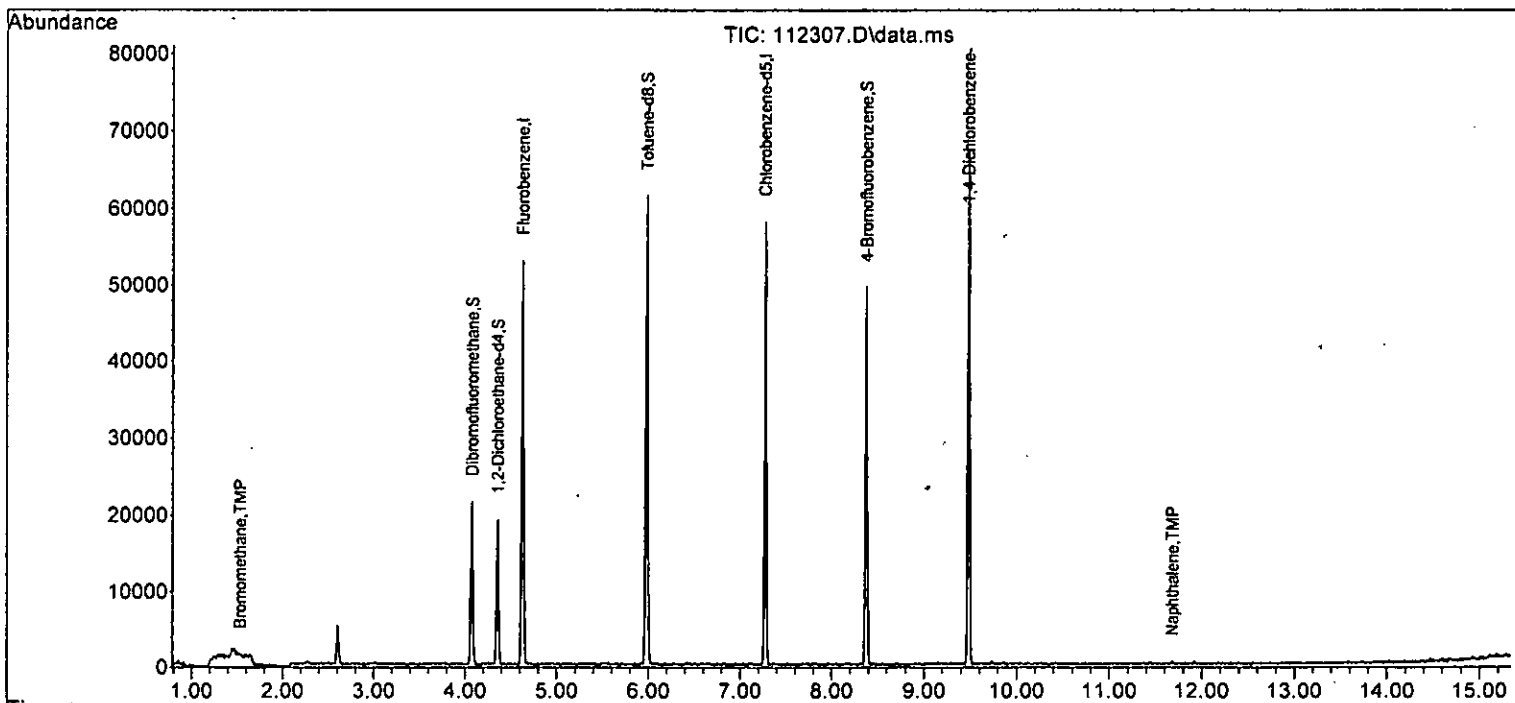
Quant Time: Nov 23 11:45:41 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 14:08:49 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.00		0	N.D.	
38) cis-1,3-Dichloropropene	0.00		0	N.D.	
40] Toluene	6.03	92	51	0.020 ppb	97
41) trans-1,3-Dichloropropene	0.00		0	N.D.	
42) 1,1,2-Trichloroethane	0.00		0	N.D.	
43) 2-Hexanone	0.00		0	N.D.	
44) 1,3-Dichloropropane	0.00		0	N.D.	
45] Tetrachloroethene	6.51	164	55	Below Cal	91
46) Dibromochloromethane	0.00		0	N.D.	
47) 1,2-Dibromoethane (EDB)	0.00		0	N.D.	
48) Chlorobenzene	0.00		0	N.D.	
49] Ethylbenzene	7.40	91	68	0.014 ppb	91
50) 1,1,1,2-Tetrachloroethane	0.00		0	N.D.	
51] m,p-Xylene	7.51	106	54	0.029 ppb	81
52) o-Xylene	0.00		0	N.D.	
53) Styrene	0.00		0	N.D.	
54) Isopropylbenzene	0.00		0	N.D.	
55) Bromoform	0.00		0	N.D.	
58) n-Propylbenzene	0.00		0	N.D.	
59) Bromobenzene	0.00		0	N.D.	
60) 1,3,5-Trimethylbenzene	0.00		0	N.D.	
61) 1,1,2,2-Tetrachloroethane	0.00		0	N.D.	
62) 1,2,3-Trichloropropane	0.00		0	N.D. d	
63) 2-Chlorotoluene	0.00		0	N.D.	
64) 4-Chlorotoluene	0.00		0	N.D.	
65) tert-Butylbenzene	0.00		0	N.D.	
66) 1,2,4-Trimethylbenzene	9.15	105	109	N.D.	
67) sec-Butylbenzene	9.15	105	109	N.D.	
68) p-Isopropyltoluene	9.47	119	94	N.D.	
69) 1,3-Dichlorobenzene	9.41	146	58	N.D.	
70) 1,4-Dichlorobenzene	9.41	146	58	N.D.	
71) 1,2-Dichlorobenzene	0.00		0	N.D.	
72) 1,2-Dibromo-3-chloropr...	0.00		0	N.D.	
73) 1,2,4-Trichlorobenzene	11.44	180	131	N.D.	
74) Hexachlorobutadiene	0.00		0	N.D.	
75) Naphthalene	11.68	128	410	0.102 ppb	68
76) 1,2,3-Trichlorobenzene	11.92	180	169	N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : X:\GCMS11\GCMS11_Data\11-23-22\
 Data File : 112307.D
 Acq On : 23 Nov 2022 07:33 am
 Operator : LM
 Sample : 02-2819 MB
 Misc : water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 23 11:45:41 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 14:08:49 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

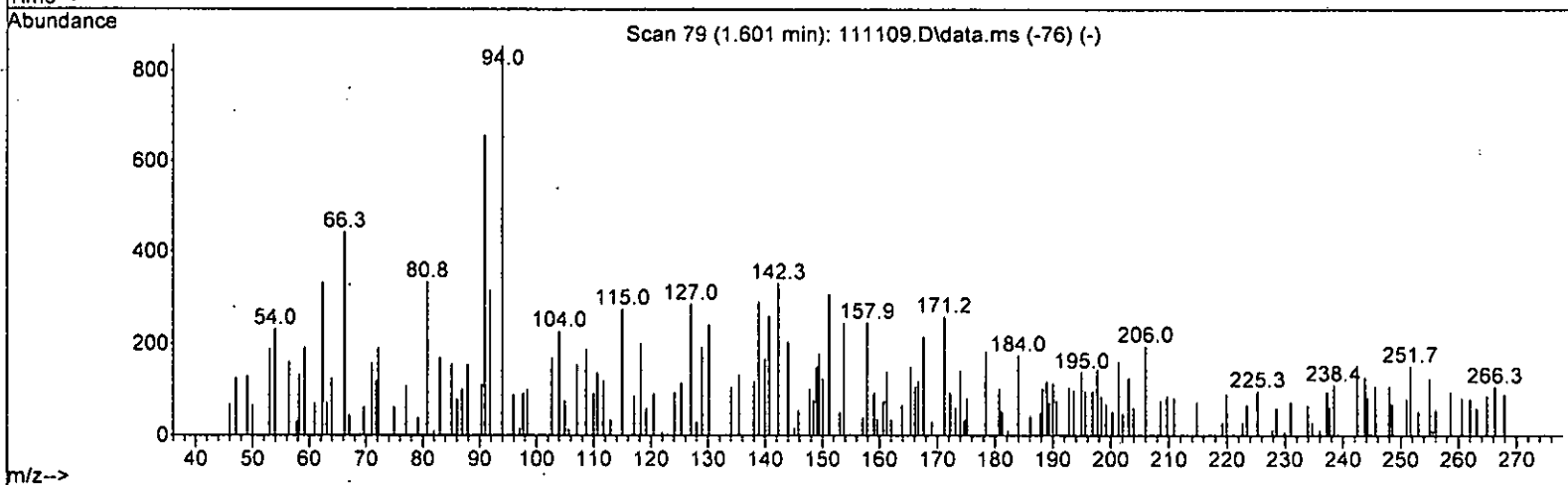
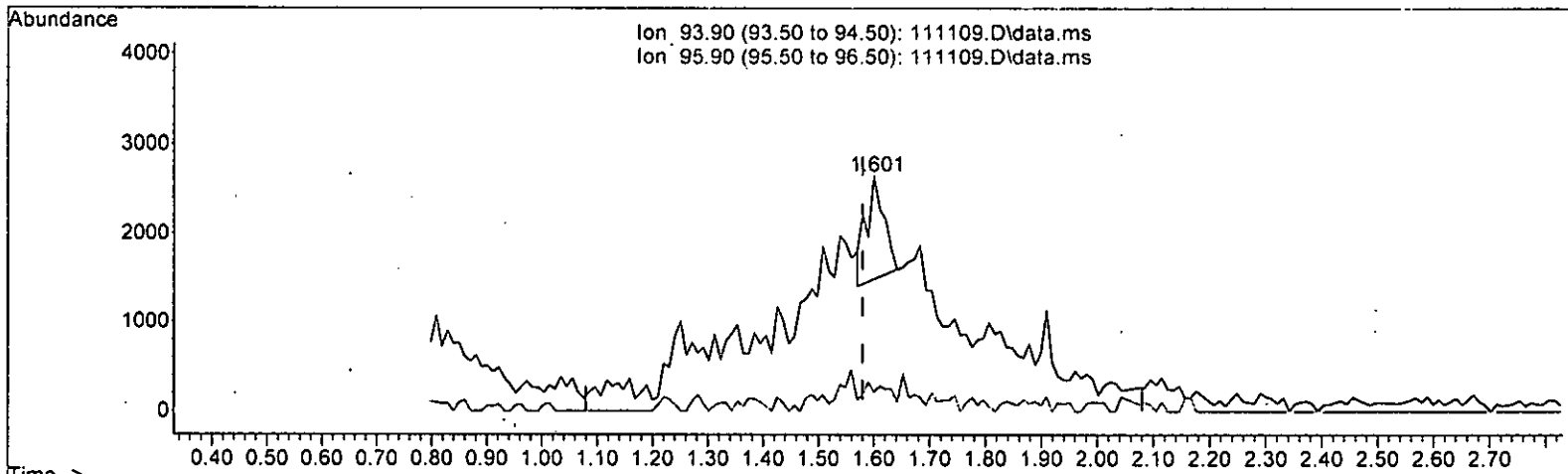


EPA 8260D
Sample Data

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-11-22\
 Data File : 111109.D
 Acq On : 11 Nov 2022 10:49 am
 Operator : WE
 Sample : 211162-01 1/0.25
 Misc : soil
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 14 08:07:47 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration



TIC: 111109.D\data.ms

(7) Bromomethane (TMP)

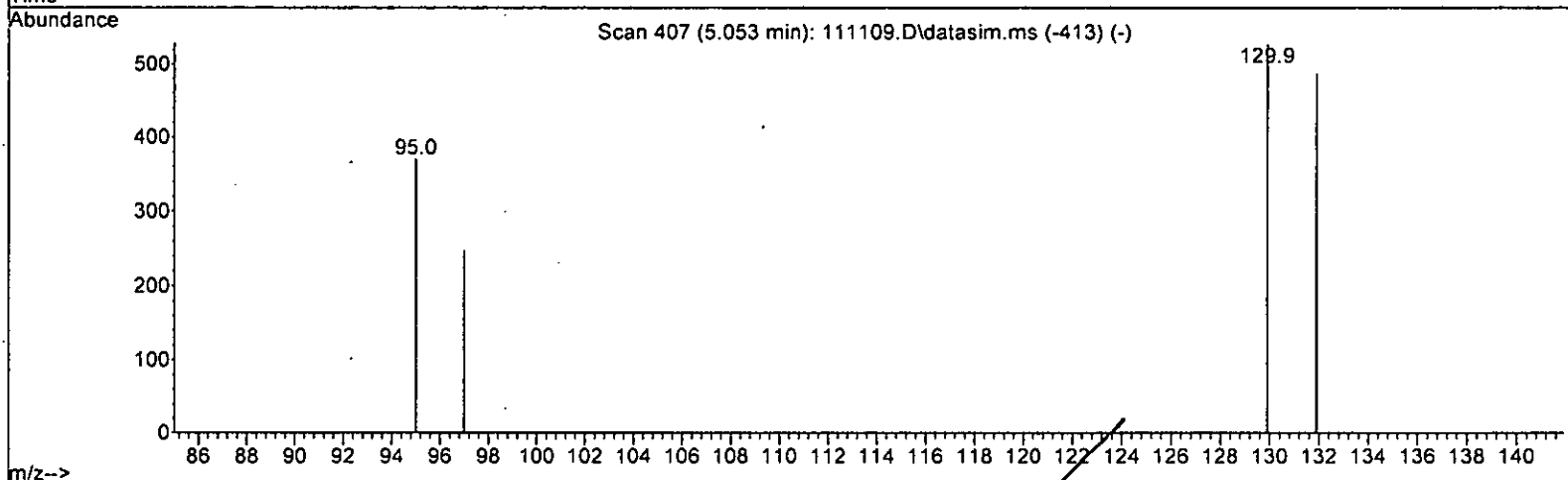
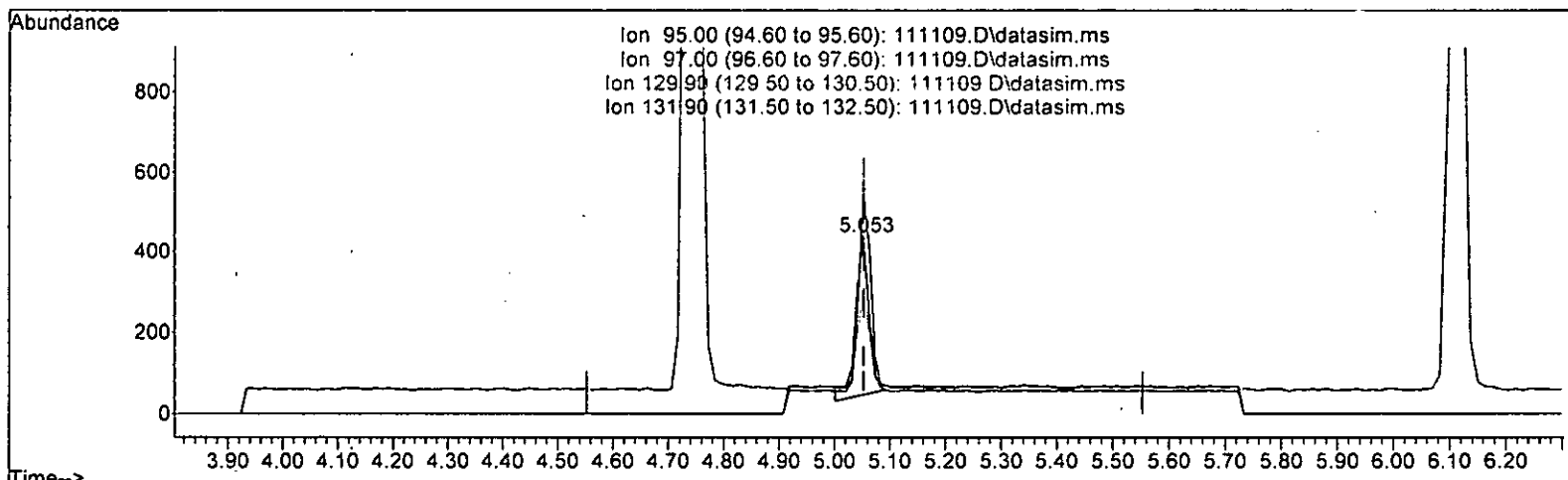
1.601min (+ 0.021) 0.470 ppb

response	2585	
Ion	Exp%	Act%
93.90	100.00	100.00
95.90	93.50	8.72#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-11-22\
 Data File : 111109.D
 Acq On : 11 Nov 2022 10:49 am
 Operator : WE
 Sample : 211162-01 1/0.25
 Misc : soil
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 14 08:07:47 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 Qlast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration



TIC: 111109.D\data.ms

(32) Trichloroethene (TMP)

5.053min (-0.000) 0.143 ppb

response 666

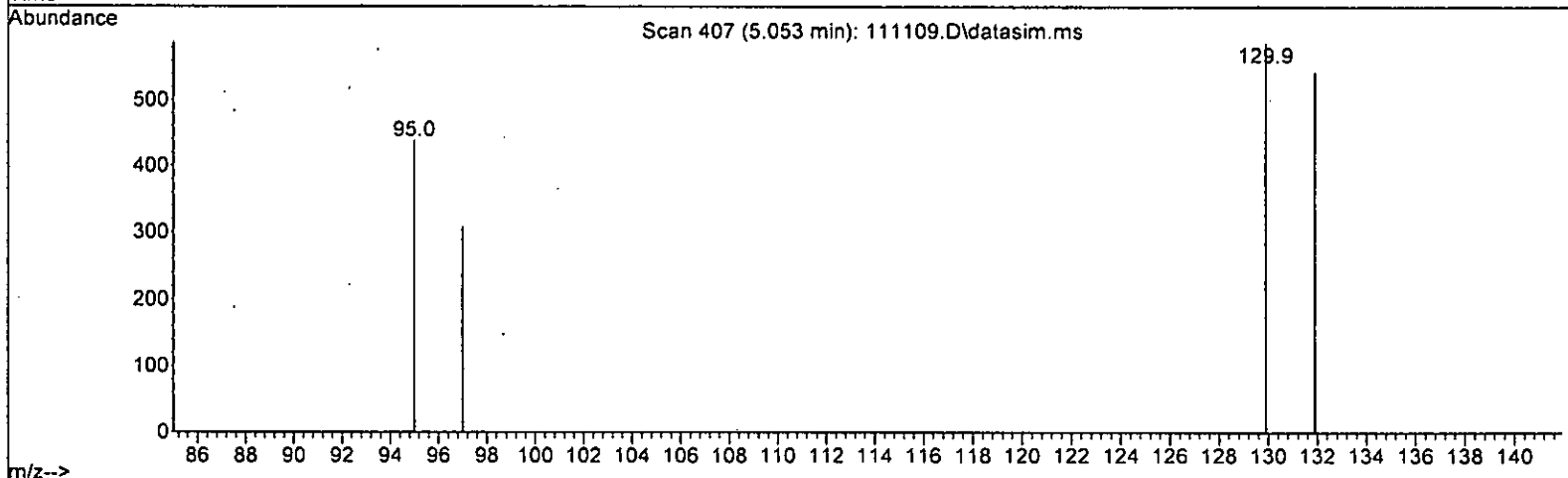
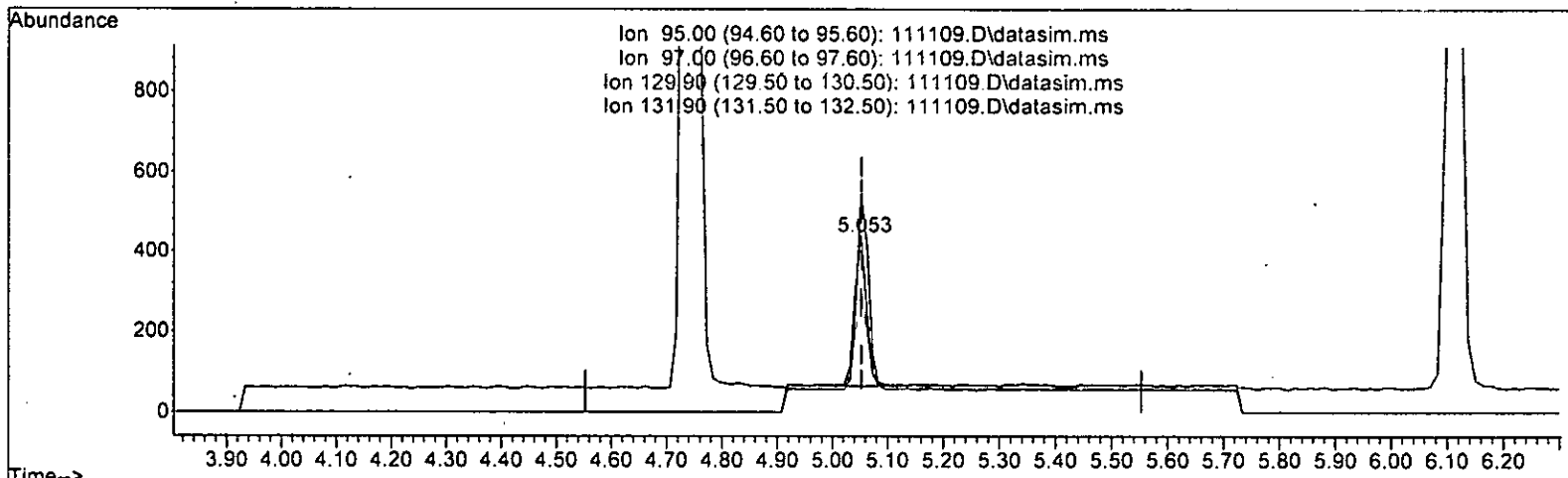
Ion	Exp%	Act%
95.00	100.00	100.00
97.00	64.60	66.85
129.90	103.40	142.59#
131.90	95.80	131.27#

M 11.14.22

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-11-22\
 Data File : 111109.D
 Acq On : 11 Nov 2022 10:49 am
 Operator : WE
 Sample : 211162-01 1/0.25
 Misc : soil
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 14 08:07:47 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration



TIC: 111109.D\data.ms

(32) Trichloroethene (TMP)

5.053min (-0.000) 0.120 ppb m

response 558

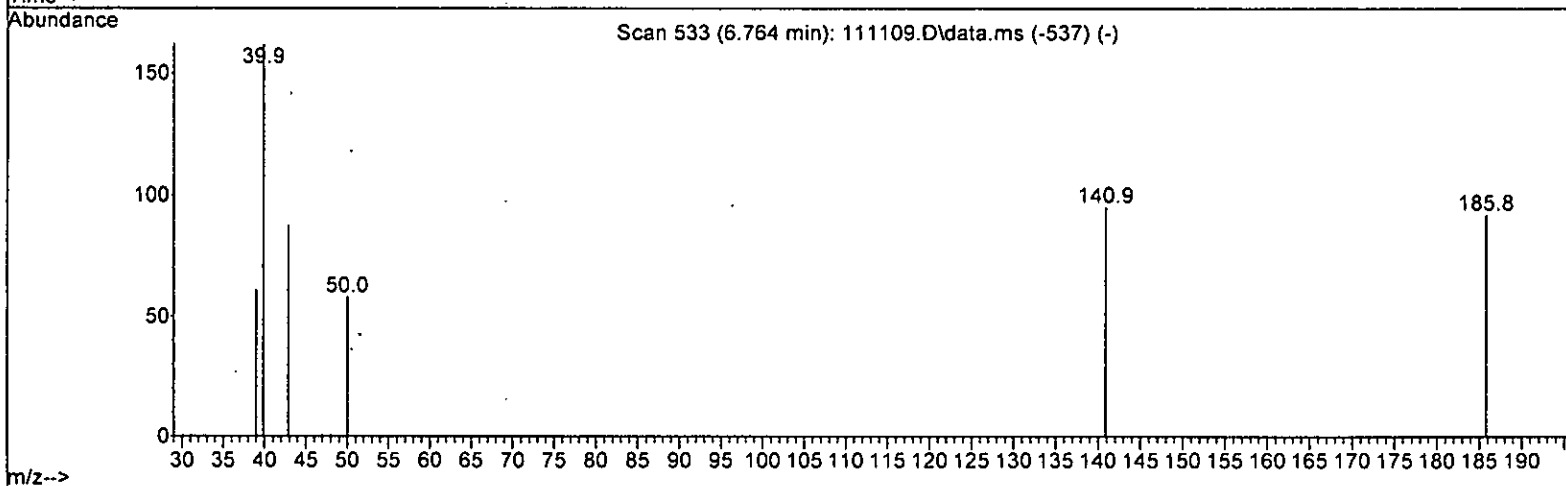
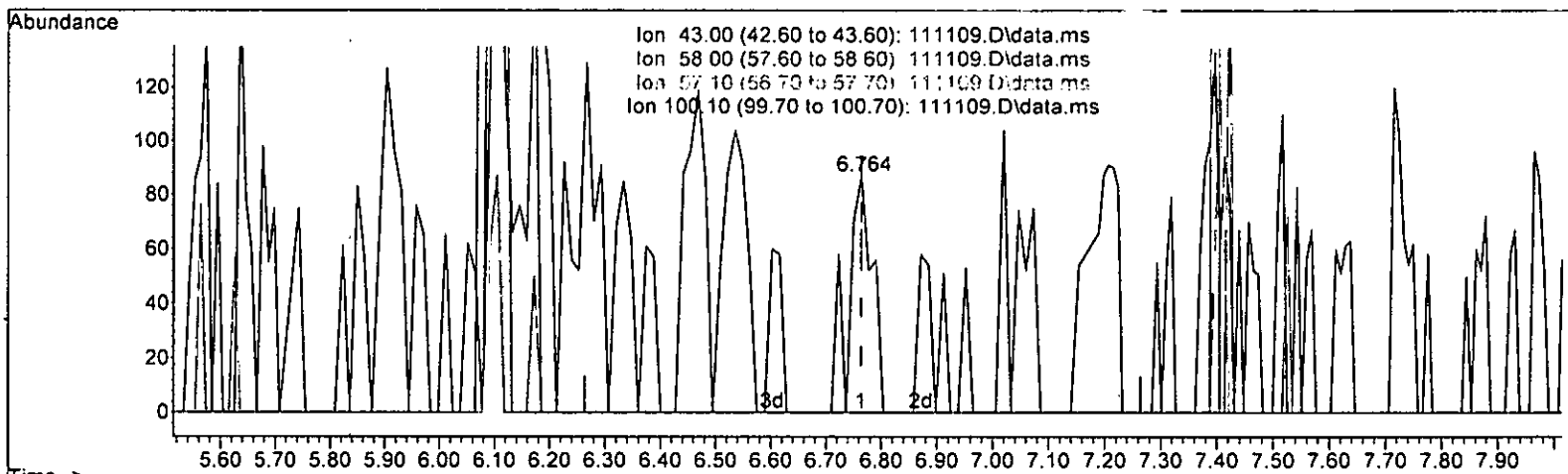
Ion	Exp%	Act%
95.00	100.00	100.00
97.00	64.60	70.25
129.90	103.40	134.32#
131.90	95.80	124.26

m 11.14.22

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-11-22\
 Data File : 111109.D
 Acq On : 11 Nov 2022 10:49 am
 Operator : WE
 Sample : 211162-01 1/0.25
 Misc : soil
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 14 08:07:47 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration



TIC: 111109.D\data.ms

(43) 2-Hexanone (TMP)

6.764min (-0.000) 0.133 ppb

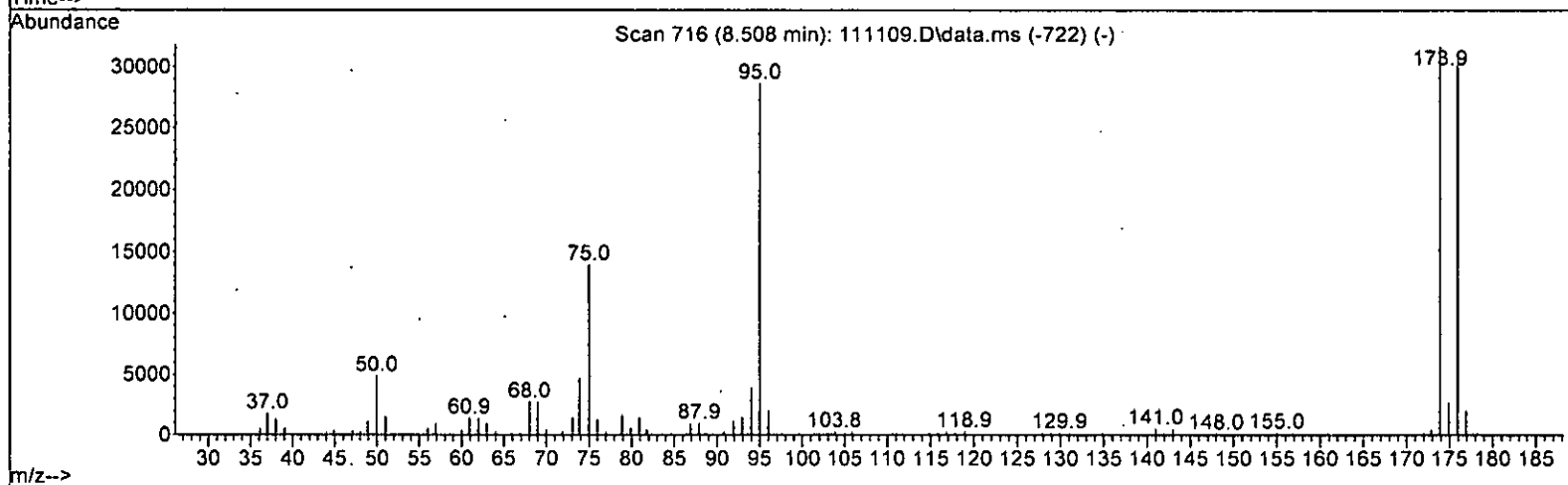
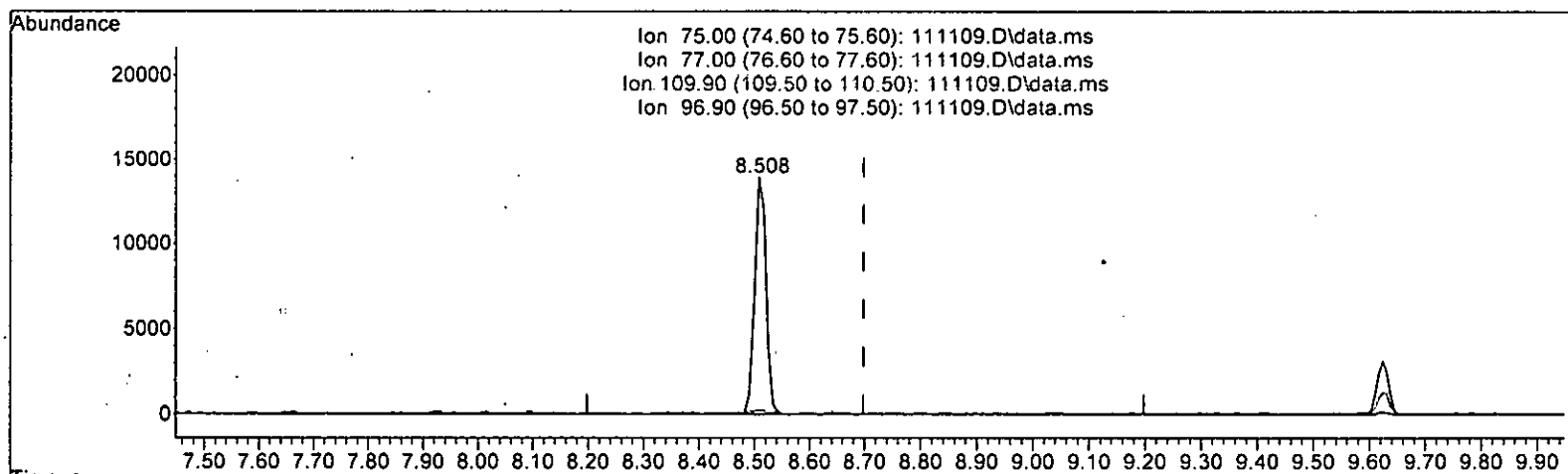
response 261

Ion	Exp%	Act%
43.00	100.00	100.00
58.00	51.50	0.00#
57.10	16.30	0.00
100.10	10.20	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-11-22\
 Data File : 111109.D
 Acq On : 11 Nov 2022 10:49 am
 Operator : WE
 Sample : 211162-01 1/0.25
 Misc : soil
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 14 08:07:47 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration



TIC: 111109.D\data.ms

(62) 1,2,3-Trichloropropane (TMP)

8.508min (-0.190) 6.485 ppb

response . 19840

Ion	Exp%	Act%
75.00	100.00	100.00
77.00	34.00	1.69#
109.90	36.50	0.00#
96.90	22.60	0.00

Data Path : Y:\Proc_GCMS13\11-11-22\
 Data File : 111109.D
 Acq On : 11 Nov 2022 10:49 am
 Operator : WE
 Sample : 211162-01 1/0.25
 Misc : soil
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 14 08:07:47 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 Qlast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration

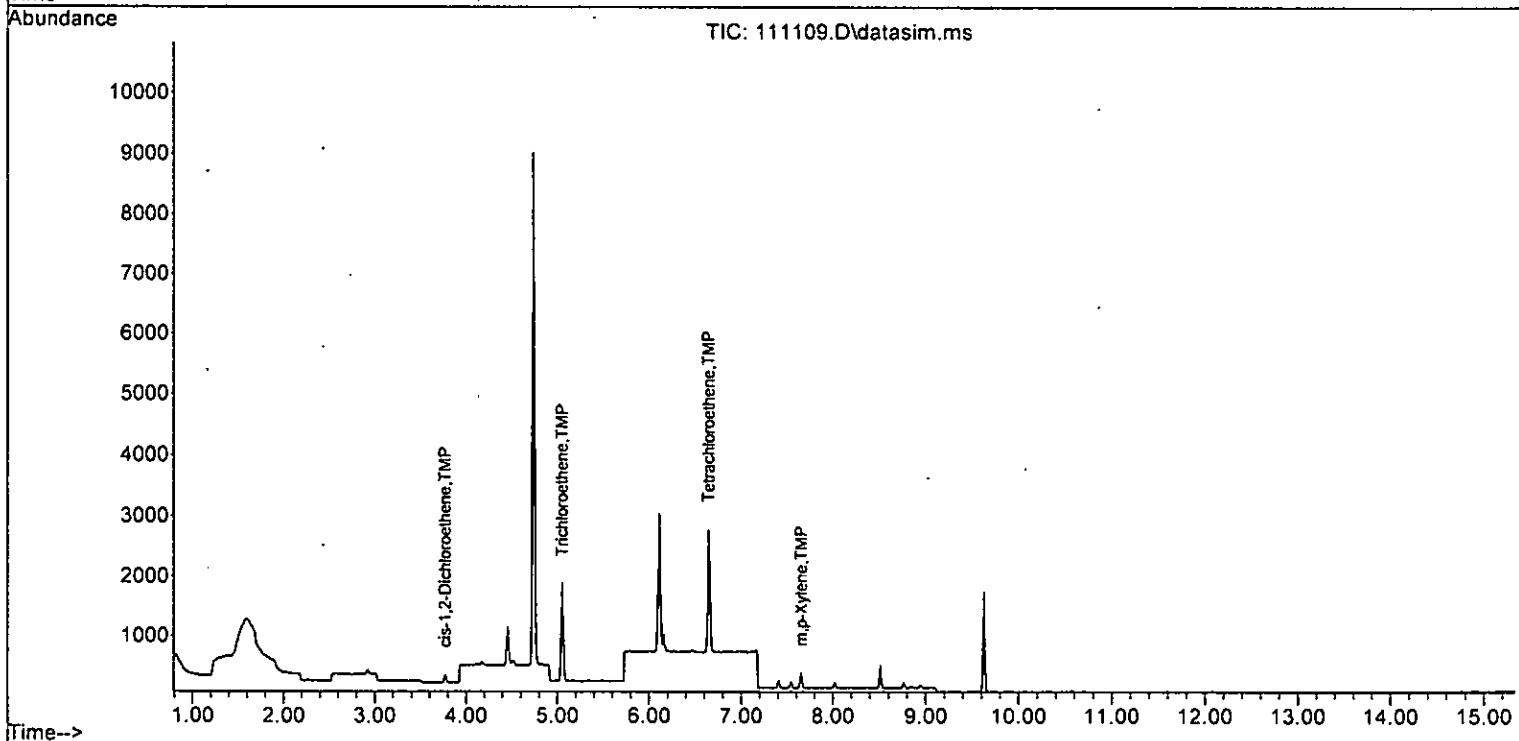
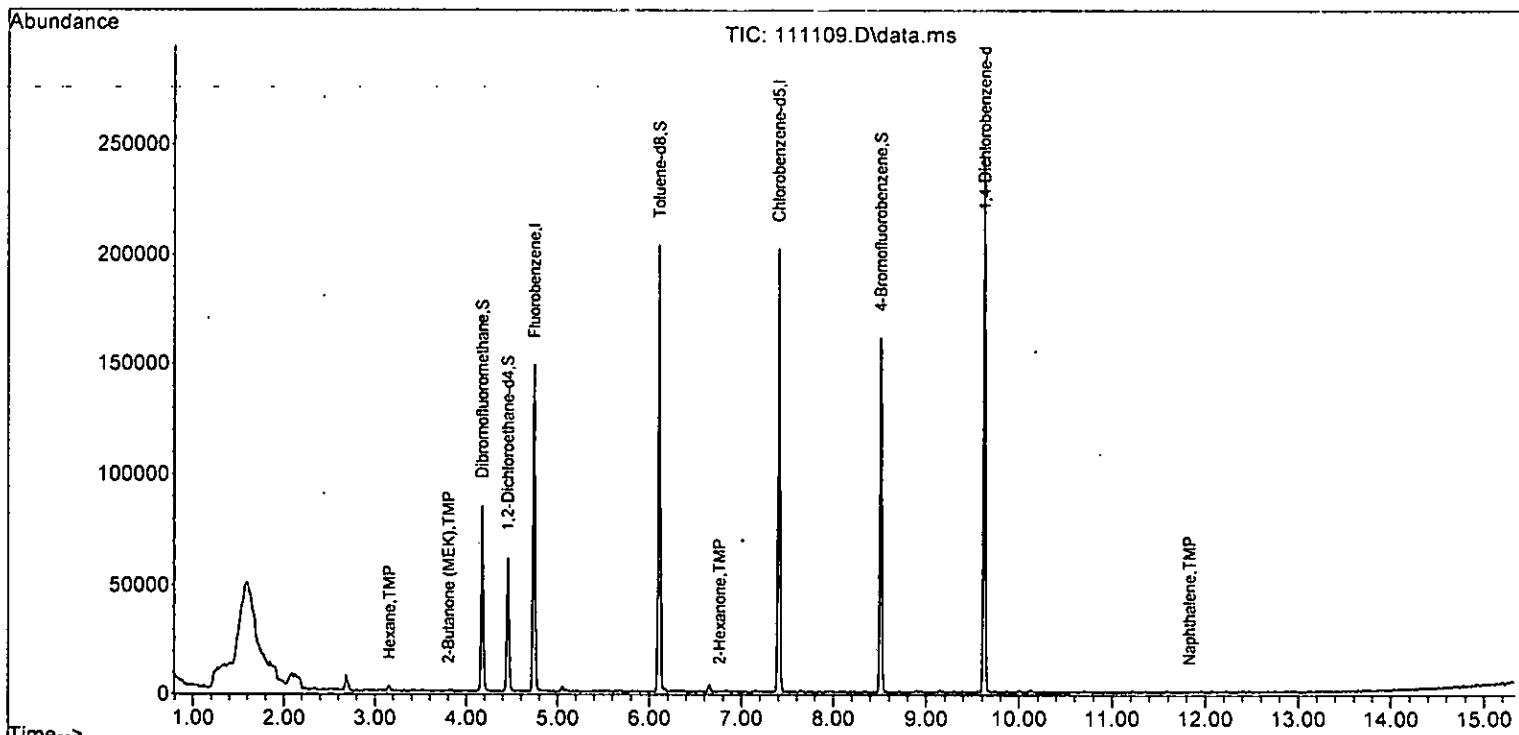
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

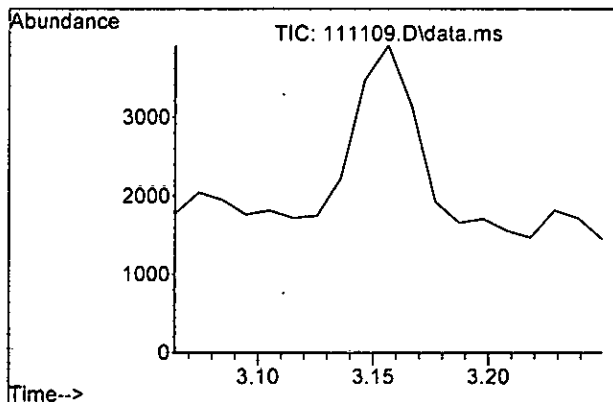
Internal Standards						
1) Fluorobenzene	4.746	96	127269	10.000	ppb	0.00
39) Chlorobenzene-d5	7.405	117	103802	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.624	152	62923	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.175	113	37611	9.215	ppb	0.00
Spiked Amount	10.000	Range 50 - 150	Recovery	=	92.20%	
30) 1,2-Dichloroethane-d4	4.455	102	7275	9.198	ppb	0.00
Spiked Amount	10.000	Range 84 - 120	Recovery	=	92.00%	
35) Toluene-d8	6.105	98	111379	9.176	ppb	0.00
Spiked Amount	10.000	Range 73 - 128	Recovery	=	91.80%	
57) 4-Bromofluorobenzene	8.508	95	42135	9.718	ppb	0.00
Spiked Amount	10.000	Range 57 - 146	Recovery	=	97.20%	
Target Compounds						
						Qvalue
11) Acetone	2.342	58	227	Below Cal	#	1
13) Hexane	3.156	57	931	0.226	ppb	92
14) Methylene chloride	2.682	84	3584	Below Cal		93
22] cis-1,2-Dichloroethene	3.769	96	79	0.019	ppb	82
24) 2-Butanone (MEK)	3.805	43	661	0.158	ppb	81
26] 1,2-Dichloroethane (EDC)	4.527	62	95	Below Cal		83
32] Trichloroethene	5.053	95	558m	0.120	ppb	
42] 1,1,2-Trichloroethane	6.648	83	28	Below Cal	#	54
43) 2-Hexanone	6.764	43	261	0.133	ppb	# 40
45] Tetrachloroethene	6.648	164	772	0.169	ppb	94
46) Dibromochloromethane	6.898	129	95	Below Cal	#	11
51] m,p-Xylene	7.651	106	134	0.021	ppb	# 73
61) 1,1,2,2-Tetrachloroethane	8.516	83	26	Below Cal	#	1
75) Naphthalene	11.828	128	274	0.102	ppb	69

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS13\11-11-22\
 Data File : 111109.D
 Acq On : 11 Nov 2022 10:49 am
 Operator : WE
 Sample : 211162-01 1/0.25
 Misc : soil
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS13

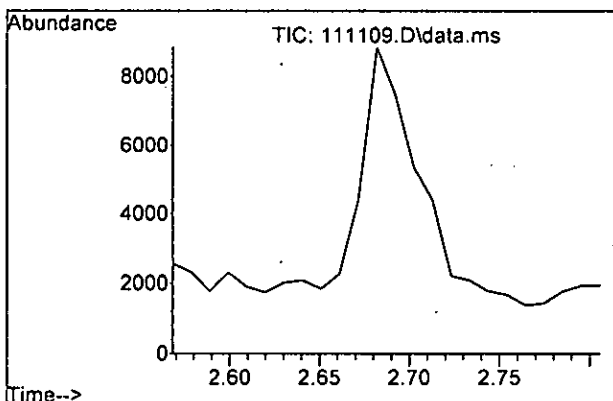
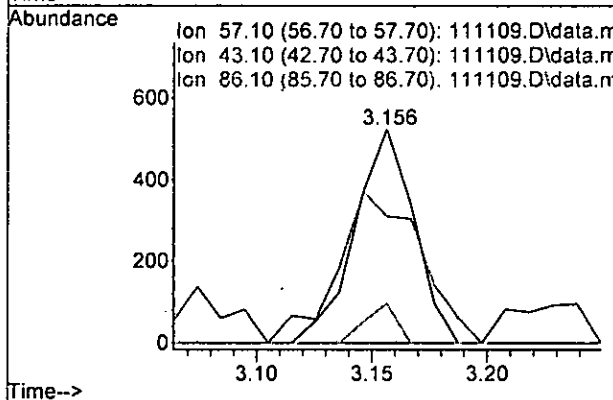
Quant Time: Nov 14 08:07:47 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration





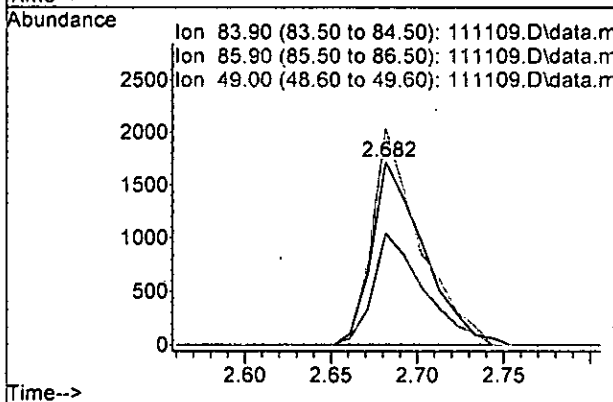
#13
 Hexane
 Concen: 0.226 ppb
 RT: 3.156 min Scan# 222
 Delta R.T. -0.001 min
 Lab File: 111109.D
 Acq: 11 Nov 2022 10:49 am

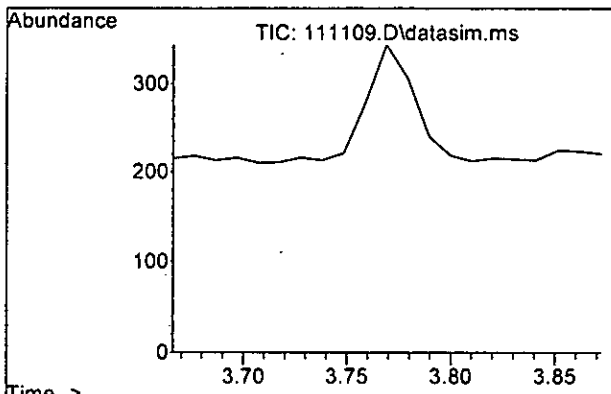
Tgt Ion	Resp	Lower	Upper
57	100		
43	59.3	35.4	95.4
86	18.4	0.0	44.8



#14
 Methylene chloride
 Concen: Below Cal
 RT: 2.682 min Scan# 178
 Delta R.T. -0.000 min
 Lab File: 111109.D
 Acq: 11 Nov 2022 10:49 am

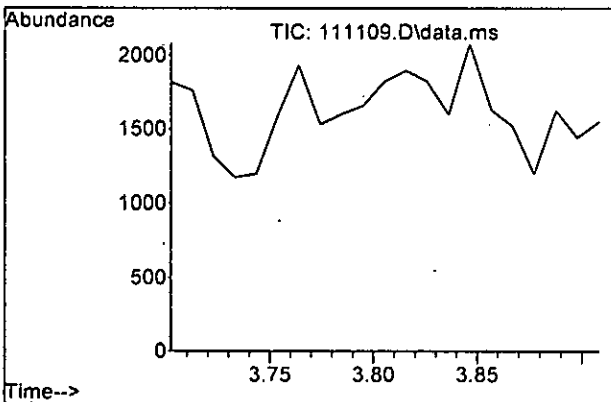
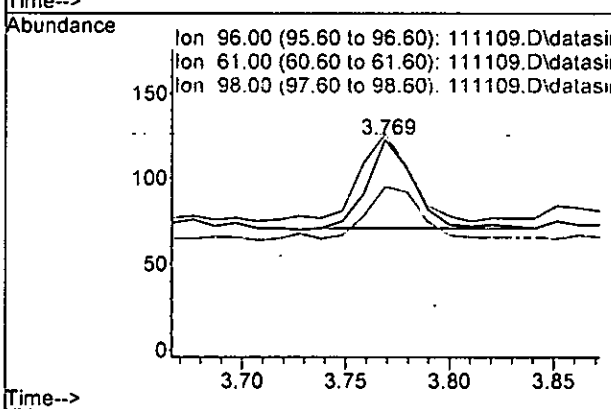
Tgt Ion	Resp	Lower	Upper
84	100		
86	60.8	37.1	97.1
49	118.1	81.3	141.3





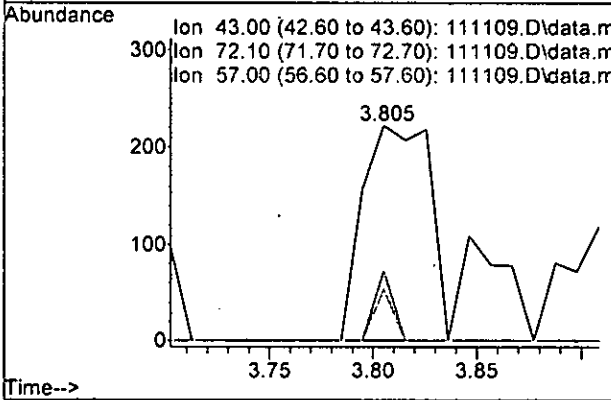
#22
 cis-1,2-Dichloroethene
 Concen: 0.019 ppb
 RT: 3.769 min Scan# 290
 Delta R.T. -0.000 min
 Lab File: 111109.D
 Acq: 11 Nov 2022 10:49 am

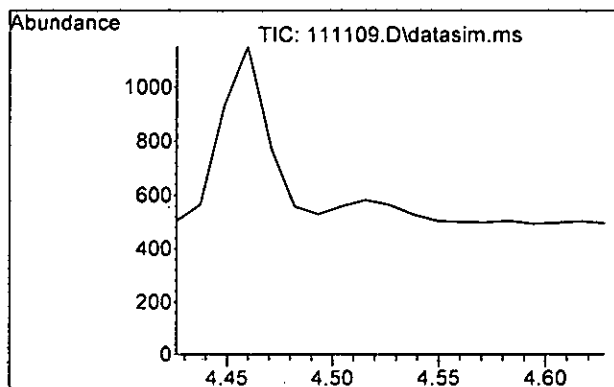
Tgt Ion	Ratio	Lower	Upper
96	100		
61	94.2	92.3	152.3
98	57.7	32.0	92.0



#24
 2-Butanone (MEK)
 Concen: 0.158 ppb
 RT: 3.805 min Scan# 283
 Delta R.T. 0.010 min
 Lab File: 111109.D
 Acq: 11 Nov 2022 10:49 am

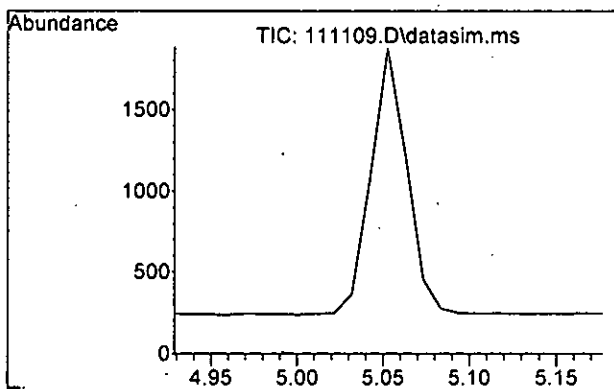
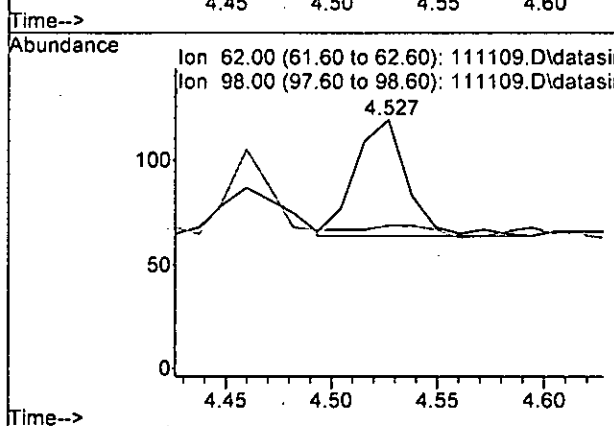
Tgt Ion	Ratio	Lower	Upper
43	100		
72	32.9	0.0	57.0
57	24.3	0.0	28.0





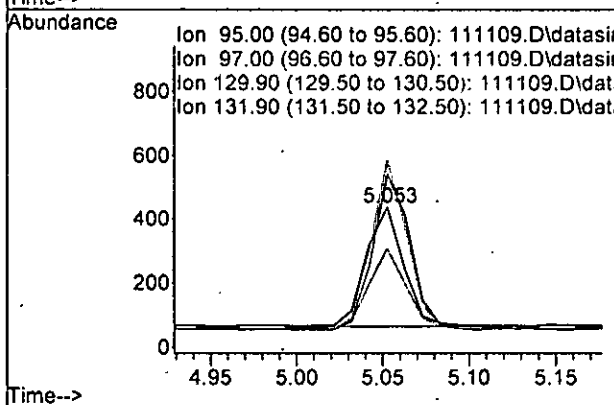
#26
 1,2-Dichloroethane (EDC)
 Concen: Below Cal
 RT: 4.527 min Scan# 359
 Delta R.T. -0.000 min
 Lab File: 111109.D
 Acq: 11 Nov 2022 10:49 am

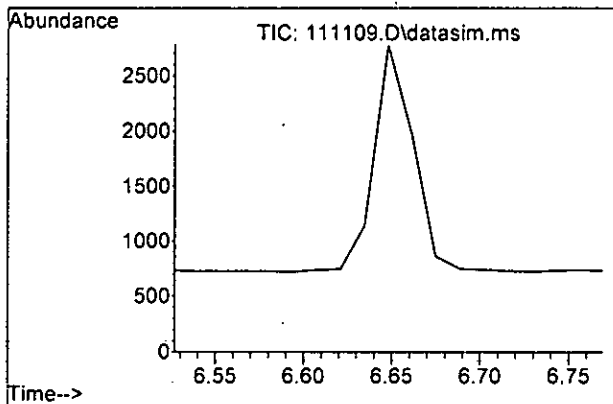
Tgt Ion	Ratio	Lower	Upper
62	100		
98	3.6	0.0	40.1



#32
 Trichloroethene
 Concen: 0.120 ppb m
 RT: 5.053 min Scan# 407
 Delta R.T. -0.000 min
 Lab File: 111109.D
 Acq: 11 Nov 2022 10:49 am

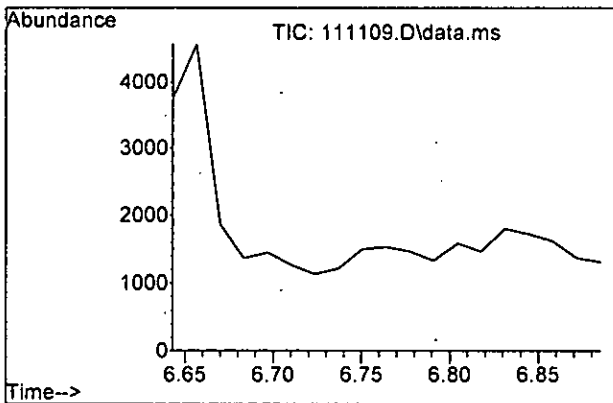
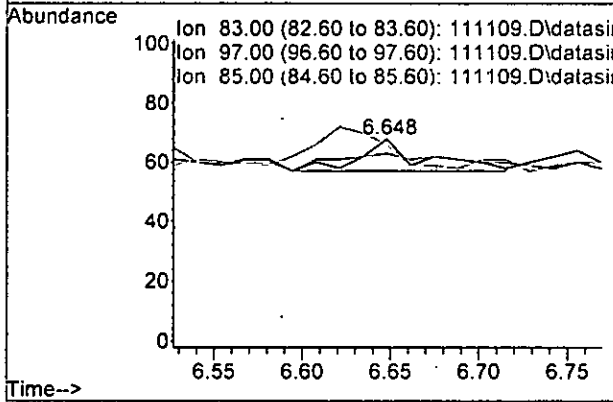
Tgt Ion	Ratio	Lower	Upper
95	100		
97	70.3	34.6	94.6
130	134.3	73.4	133.4#
132	124.3	65.8	125.8





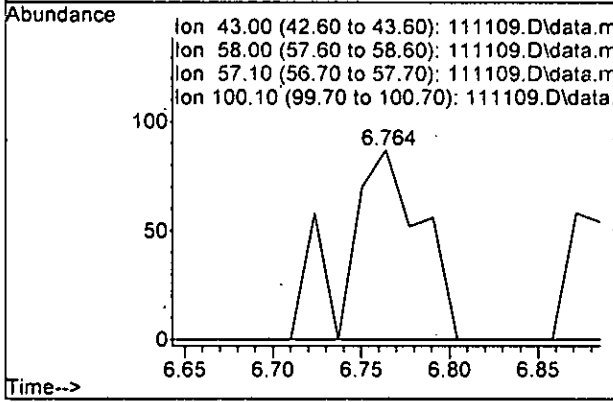
#42
 1,1,2-Trichloroethane
 Concen: Below Cal
 RT: 6.648 min Scan# 541
 Delta R.T. 0.121 min
 Lab File: 111109.D
 Acq: 11 Nov 2022 10:49 am

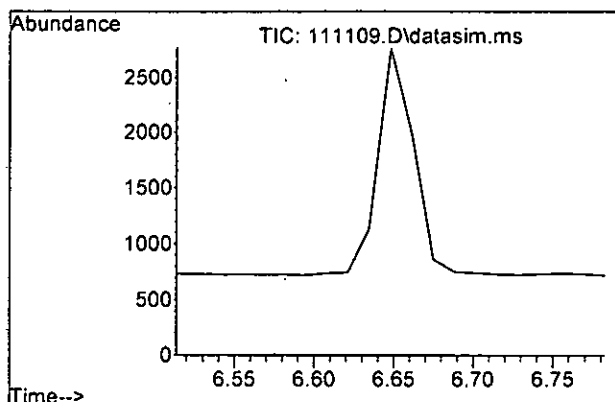
Tgt Ion	Ratio	Lower	Upper
83	100		
97	54.5	88.0	148.0#
85	45.5	35.3	95.3



#43
 2-Hexanone
 Concen: 0.133 ppb
 RT: 6.764 min Scan# 533
 Delta R.T. -0.000 min
 Lab File: 111109.D
 Acq: 11 Nov 2022 10:49 am

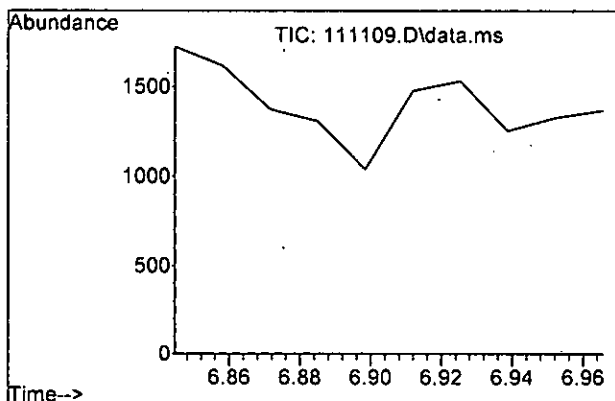
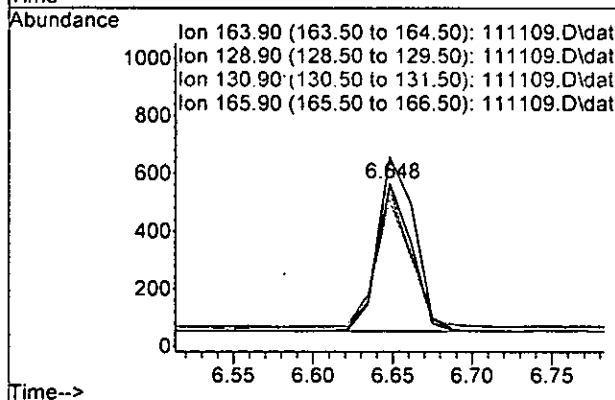
Tgt Ion	Ratio	Lower	Upper
43	100		
58	0.0	21.5	81.5#
57	0.0	0.0	46.3
100	0.0	0.0	40.2





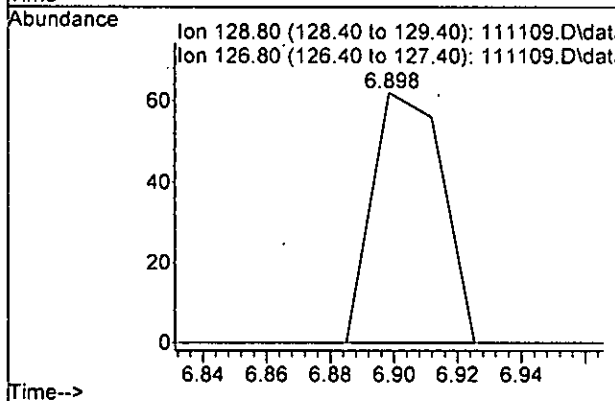
#45
 Tetrachloroethene
 Concen: 0.169 ppb
 RT: 6.648 min Scan# 541
 Delta R.T. -0.000 min
 Lab File: 111109.D
 Acq: 11 Nov 2022 10:49 am

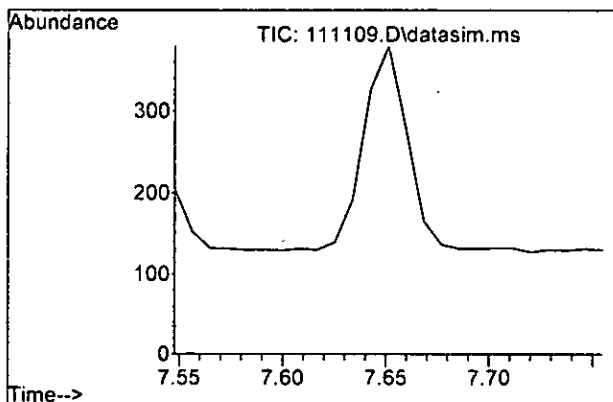
Tgt Ion	Ratio	Lower	Upper
164	100		
129	92.2	72.1	132.1
131	86.5	64.8	124.8
166	117.9	90.0	150.0



#46
 Dibromochloromethane
 Concen: Below Cal
 RT: 6.898 min Scan# 543
 Delta R.T. 0.013 min
 Lab File: 111109.D
 Acq: 11 Nov 2022 10:49 am

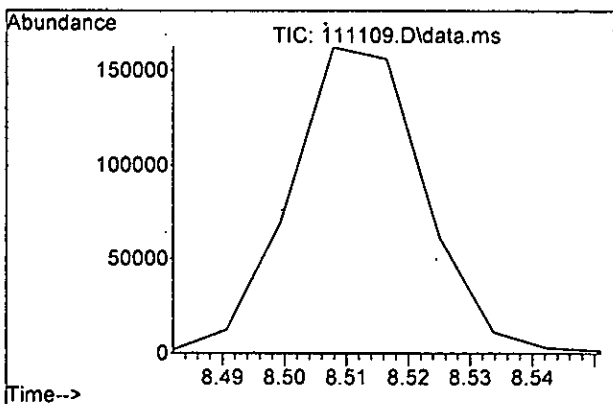
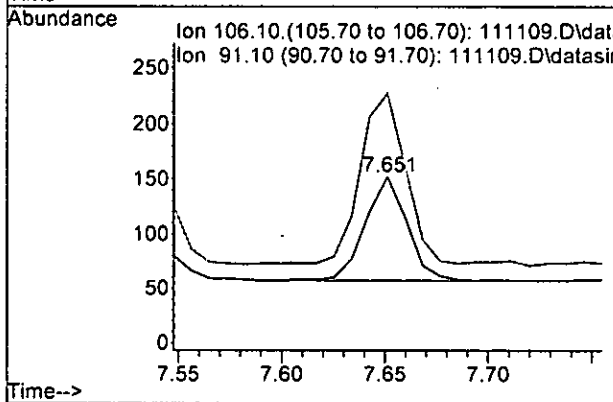
Tgt Ion	Ratio	Lower	Upper
129	100		
127	0.0	46.8	106.8#





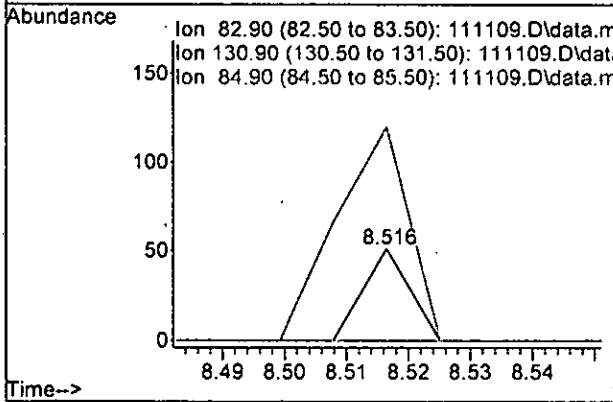
#51
 m,p-Xylene
 Concen: 0.021 ppb
 RT: 7.651 min Scan# 635
 Delta R.T. 0.000 min
 Lab File: 111109.D
 Acq: 11 Nov 2022 10:49 am

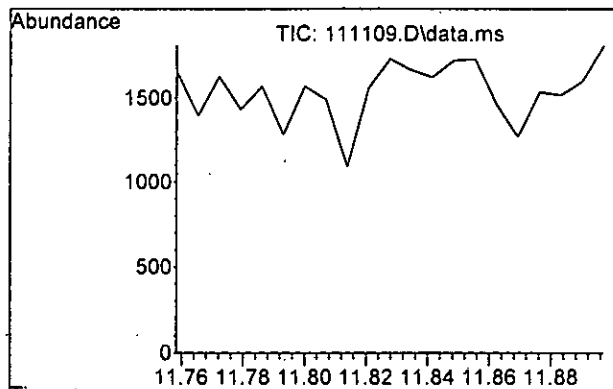
Tgt Ion	Ratio	Lower	Upper
106	100		
91	164.2	175.7	235.7#



#61
 1,1,2,2-Tetrachloroethane
 Concen: Below Cal
 RT: 8.516 min Scan# 717
 Delta R.T. -0.139 min
 Lab File: 111109.D
 Acq: 11 Nov 2022 10:49 am

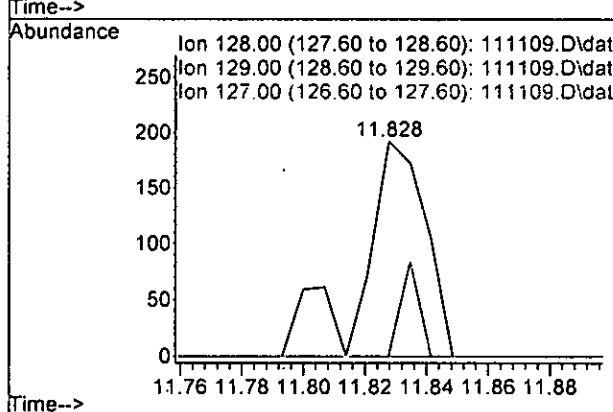
Tgt Ion	Ratio	Lower	Upper
83	100		
131	235.3	0.0	40.8#
85	0.0	36.2	96.2#





#75
 Naphthalene
 Concen: 0.102 ppb
 RT: 11.828 min Scan# 1176
 Delta R.T. -0.007 min
 Lab File: 111109.D
 Acq: 11 Nov 2022 10:49 am

Tgt Ion	Ratio	Lower	Upper
128	100		
129	0.0	0.0	40.8
127	0.0	0.0	43.1



Data Path : Y:\Proc_GCMS13\11-11-22\
 Data File : 111109.D
 Acq On : 11 Nov 2022 10:49 am
 Operator : WE
 Sample : 211162-01 1/0.25
 Misc : soil
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 14 08:07:47 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 Qlast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	4.746	96	127269	10.000	ppb	0.00
39) Chlorobenzene-d5	7.405	117	103802	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.624	152	62923	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.175	113	37611	9.215	ppb	0.00
Spiked Amount	10.000	Range 50 - 150	Recovery	=	92.20%	
30) 1,2-Dichloroethane-d4	4.455	102	7275	9.198	ppb	0.00
Spiked Amount	10.000	Range 84 - 120	Recovery	=	92.00%	
35) Toluene-d8	6.105	98	111379	9.176	ppb	0.00
Spiked Amount	10.000	Range 73 - 128	Recovery	=	91.80%	
57) 4-Bromofluorobenzene	8.508	95	42135	9.718	ppb	0.00
Spiked Amount	10.000	Range 57 - 146	Recovery	=	97.20%	
Target Compounds						
						Qvalue
2) Ethanol	2.342	45	396	No Calib		
4) Dichlorodifluoromethane	0.000		0	N.D.		
5) Chloromethane	1.251	50	696	N.D.		
6) Vinyl chloride	0.000		0	N.D.		
7) Bromomethane	0.000		0	N.D. d		
8) Chloroethane	0.000		0	N.D.		
9) Trichlorofluoromethane	1.848	101	129	N.D.		
10) 2-Propanol	2.342	45	396	No Calib #		
11) Acetone	2.342	58	227	Below Cal #		1
12) 1,1-Dichloroethene	0.000		0	N.D.		
13) Hexane	3.156	57	931	0.226 ppb		92
14) Methylene chloride	2.682	84	3584	Below Cal		93
15) t-Butyl alcohol (TBA)	0.000		0	N.D.		
16) Methyl t-butyl ether (...)	0.000		0	N.D.		
17) trans-1,2-Dichloroethene	0.000		0	N.D.		
18) Diisopropyl ether (DIPE)	0.000		0	N.D.		
19) 1,1-Dichloroethane	0.000		0	N.D.		
20) Ethyl t-butyl ether (E...)	0.000		0	N.D.		
21) 2,2-Dichloropropane	3.764	77	220	N.D.		
22] cis-1,2-Dichloroethene	3.769	96	79	0.019 ppb		82
23) Chloroform	0.000		0	N.D.		
24) 2-Butanone (MEK)	3.805	43	661	0.158 ppb		81
25) t-Amyl methyl ether (T...)	0.000		0	N.D.		
26] 1,2-Dichloroethane (EDC)	4.527	62	95	Below Cal		83
27) 1,1,1-Trichloroethane	0.000		0	N.D.		
28) 1,1-Dichloropropene	0.000		0	N.D.		
29) Carbon tetrachloride	0.000		0	N.D.		
31) Benzene	4.504	78	48	N.D.		
32] Trichloroethene	5.053	95	558m	0.120 ppb		
33) 1,2-Dichloropropane	5.285	63	31	N.D.		
34) Bromodichloromethane	0.000		0	N.D.		
36) Dibromomethane	0.000		0	N.D.		
37) 4-Methyl-2-pentanone	0.000		0	N.D.		

Data Path : Y:\Proc_GCMS13\11-11-22\
 Data File : 111109.D
 Acq On : 11 Nov 2022 10:49 am
 Operator : WE
 Sample : 211162-01 1/0.25
 Misc : soil
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS13

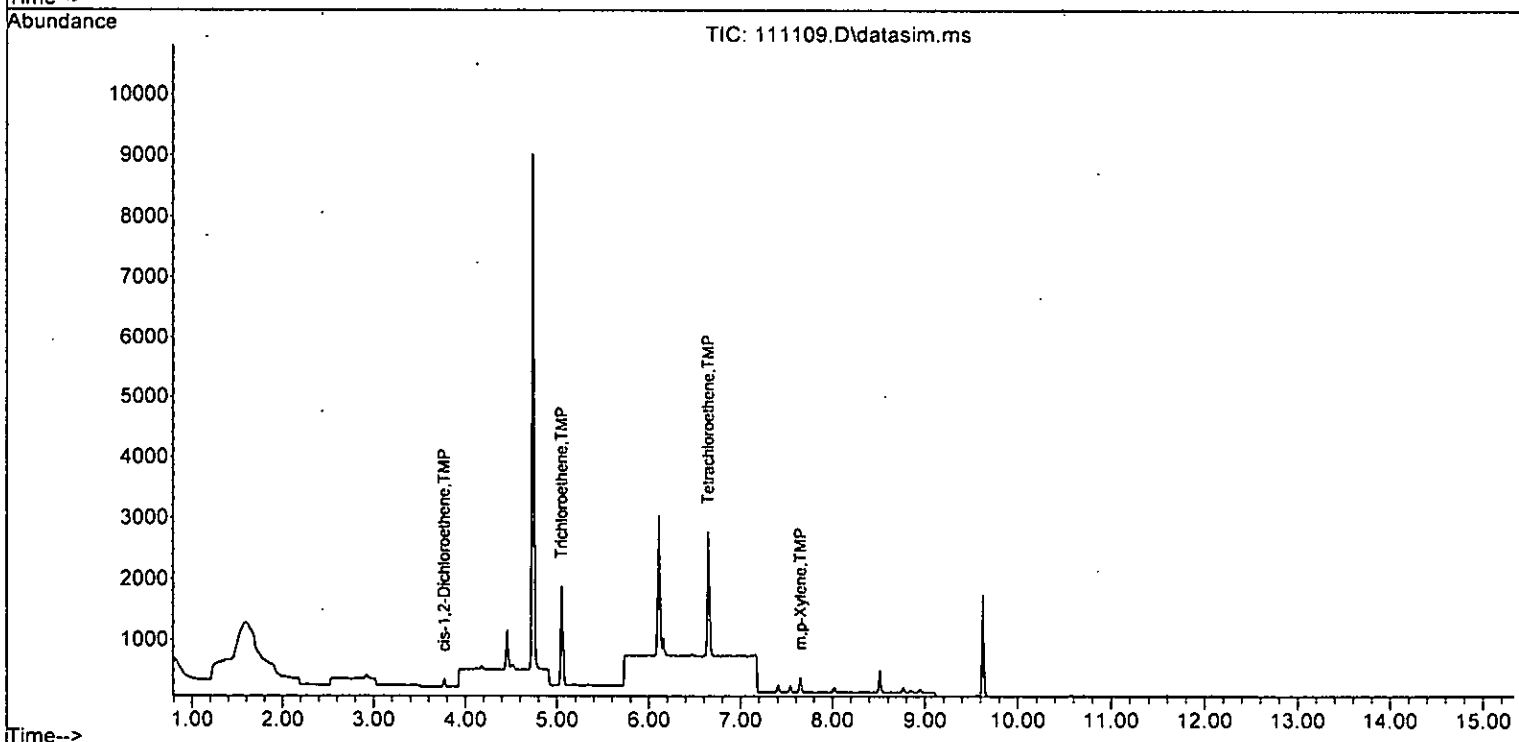
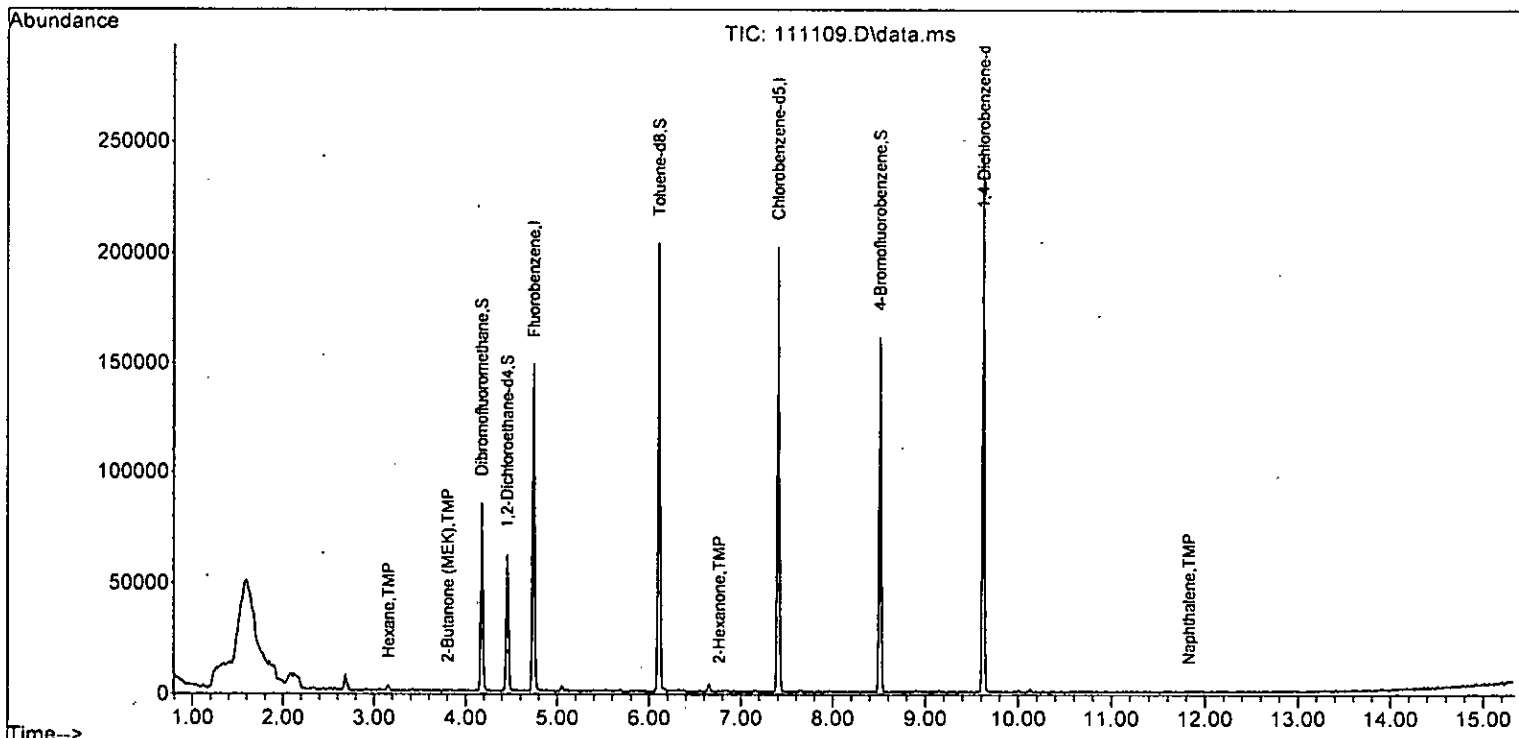
Quant Time: Nov 14 08:07:47 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
38) cis-1,3-Dichloropropene	0.000		0		N.D.	
40) Toluene	6.164	92	144		N.D.	
41) trans-1,3-Dichloropropene	6.267	75	250		N.D.	
42] 1,1,2-Trichloroethane	6.648	83	28		Below Cal #	54
43) 2-Hexanone	6.764	43	261		0.133 ppb #	40
44) 1,3-Dichloropropane	0.000		0		N.D.	
45] Tetrachloroethene	6.648	164	772		0.169 ppb	94
46) Dibromochloromethane	6.898	129	95		Below Cal #	11
47) 1,2-Dibromoethane (EDB)	0.000		0		N.D.	
48) Chlorobenzene	0.000		0		N.D.	
49) Ethylbenzene	7.539	91	115		N.D.	
50) 1,1,1,2-Tetrachloroethane	7.586	131	34		N.D.	
51] m,p-Xylene	7.651	106	134		0.021 ppb #	73
52) o-Xylene	8.022	106	55		N.D.	
53) Styrene	8.025	104	60		N.D.	
54) Isopropylbenzene	8.353	105	63		N.D.	
55) Bromoform	0.000		0		N.D.	
58) n-Propylbenzene	8.766	91	98		N.D.	
59) Bromobenzene	0.000		0		N.D.	
60) 1,3,5-Trimethylbenzene	8.930	105	110		N.D.	
61) 1,1,2,2-Tetrachloroethane	8.516	83	26		Below Cal #	1
62) 1,2,3-Trichloropropane	0.000		0		N.D. d	
63) 2-Chlorotoluene	8.766	91	98		N.D.	
64) 4-Chlorotoluene	8.939	91	84		N.D.	
65) tert-Butylbenzene	0.000		0		N.D.	
66) 1,2,4-Trimethylbenzene	9.298	105	328		N.D.	
67) sec-Butylbenzene	9.465	105	104		N.D.	
68) p-Isopropyltoluene	9.610	119	181		N.D.	
69) 1,3-Dichlorobenzene	9.555	146	80		N.D.	
70) 1,4-Dichlorobenzene	9.555	146	80		N.D.	
71) 1,2-Dichlorobenzene	0.000		0		N.D.	
72) 1,2-Dibromo-3-chloropr...	10.781	75	23		N.D.	
73) 1,2,4-Trichlorobenzene	11.592	180	72		N.D.	
74) Hexachlorobutadiene	0.000		0		N.D.	
75) Naphthalene	11.828	128	274		0.102 ppb	69
76) 1,2,3-Trichlorobenzene	12.077	180	61		N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS13\11-11-22\
Data File : 111109.D
Acq On : 11 Nov 2022 10:49 am
Operator : WE
Sample : 211162-01 1/0.25
Misc : soil
ALS Vial : 6 Sample Multiplier: 1
InstName : GCMS13

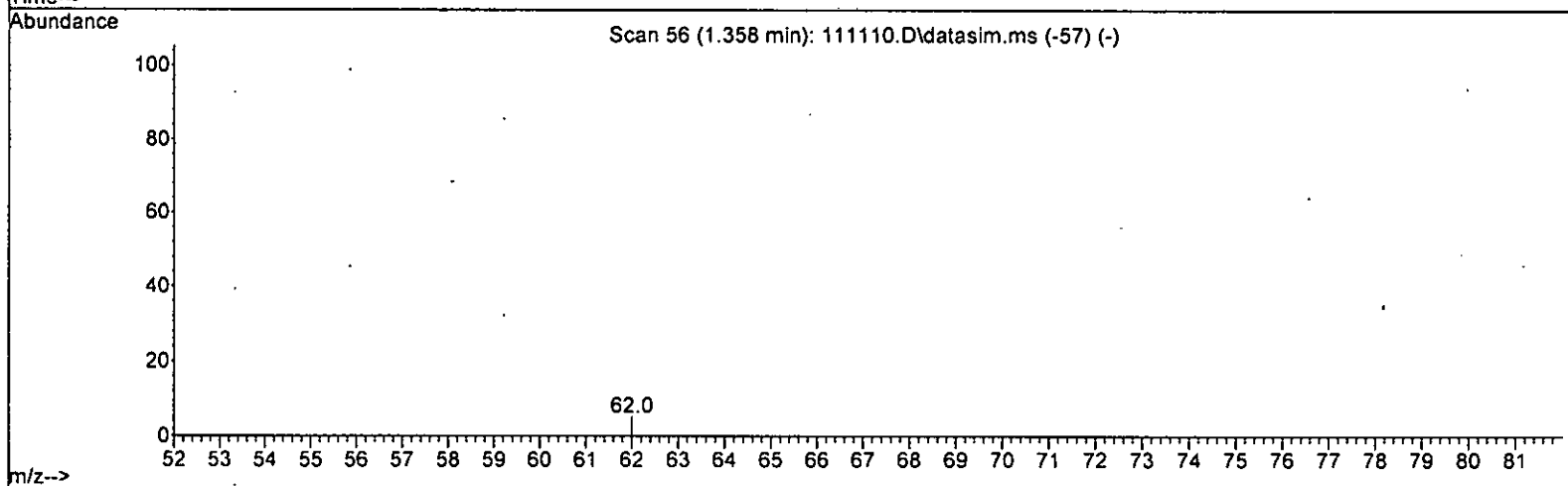
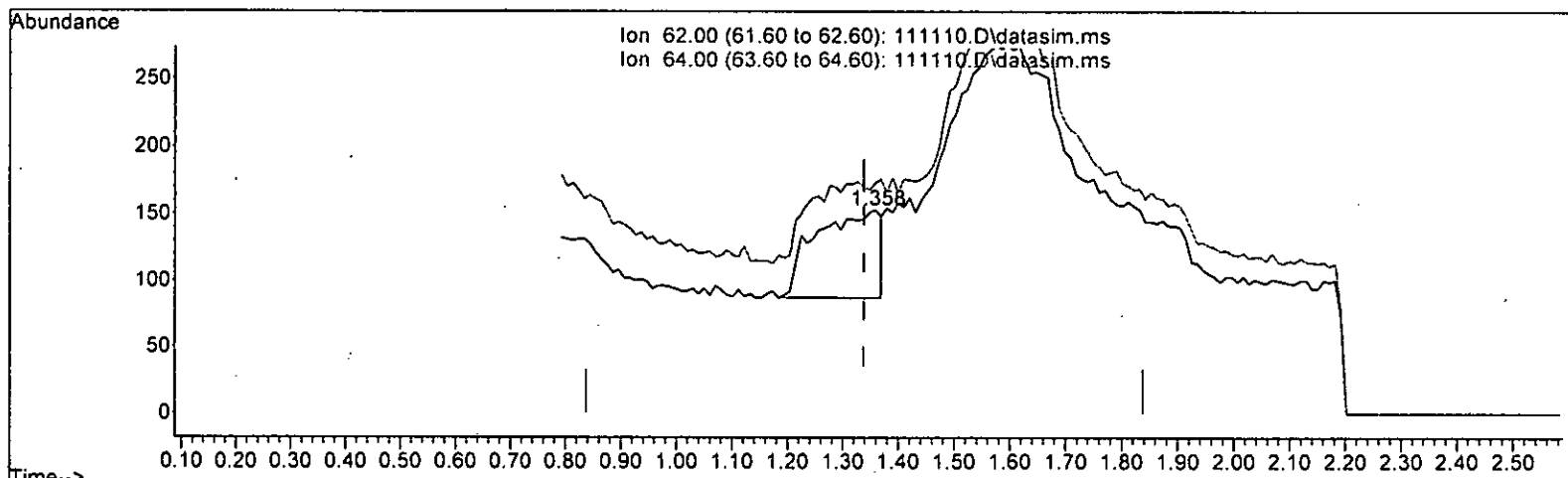
Quant Time: Nov 14 08:07:47 2022
Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
QLast Update : Mon Nov 07 15:16:10 2022
Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-11-22\
 Data File : 111110.D
 Acq On : 11 Nov 2022 11:12 am
 Operator : WE
 Sample : 211162-02 1/0.25
 Misc : soil
 ALS Vial : 7 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 14 08:07:51 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration



TIC: 111110.D\data.ms

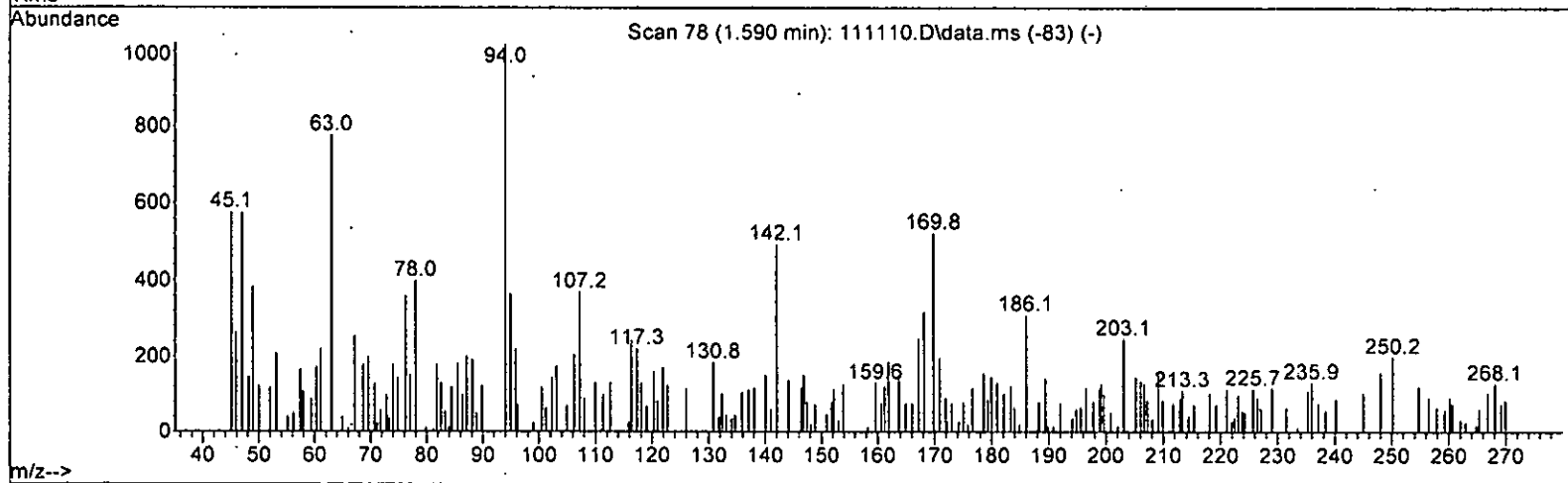
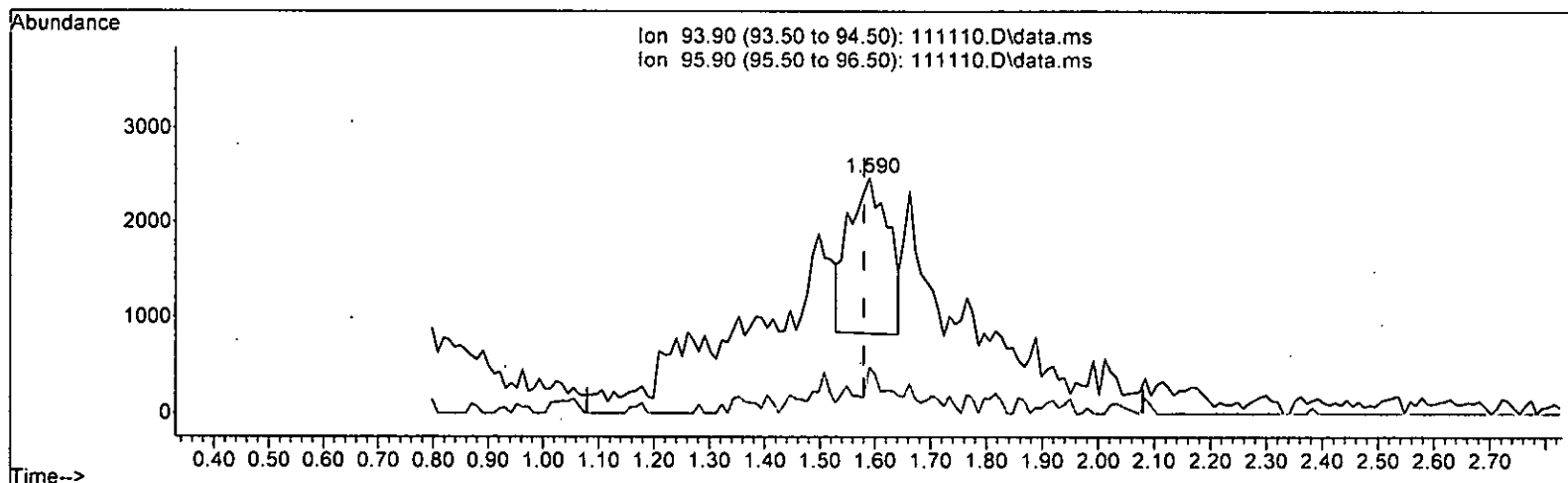
(6) Vinyl chloride (TMP)

1.358min (+ 0.020)	0.082 ppb	
response	529	
Ion	Exp%	Act%
62.00	100.00	100.00
64.00	34.40	81.82#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-11-22\
 Data File : 111110.D
 Acq On : 11 Nov 2022 11:12 am
 Operator : WE
 Sample : 211162-02 1/0.25
 Misc : soil
 ALS Vial : 7 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 14 08:07:51 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration.



TIC: 111110.D\data.ms

(7) Bromomethane (TMP)

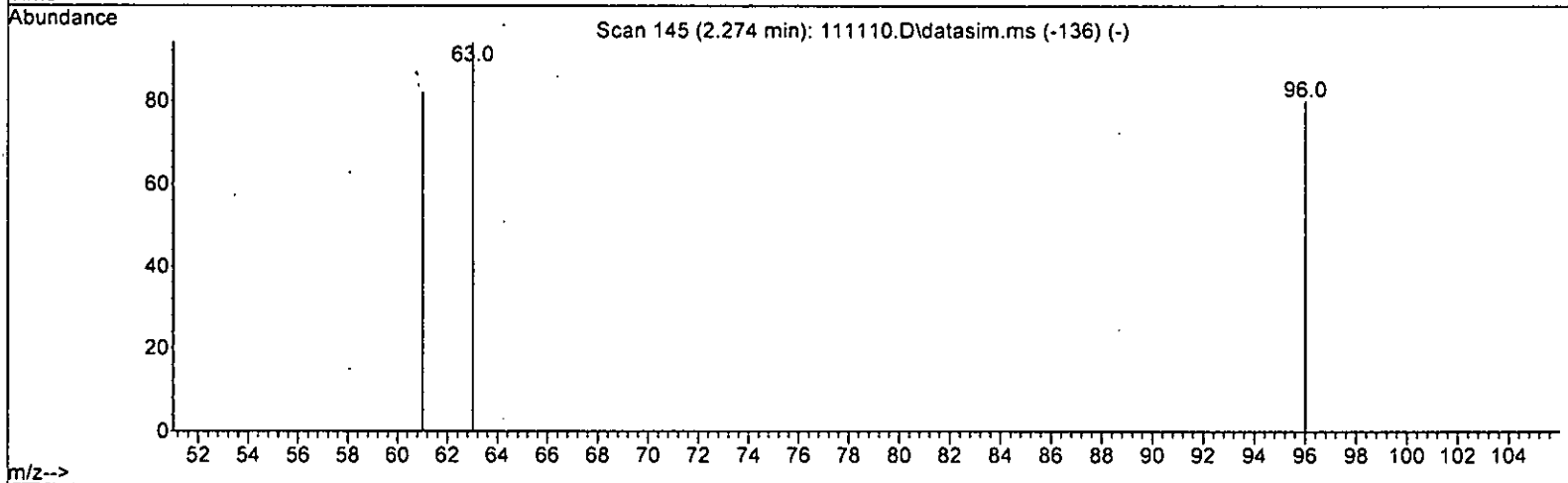
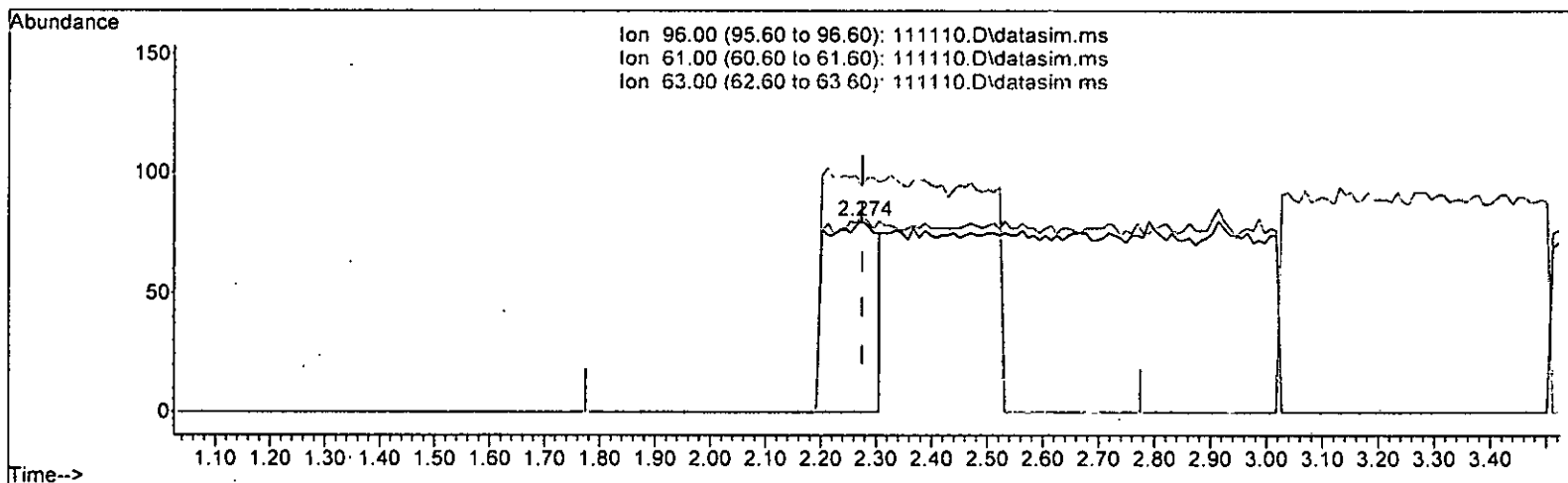
1.590min (+ 0.010) 1.479 ppb

response	8118	
Ion	Exp%	Act%
93.90	100.00	100.00
95.90	93.50	36.37#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-11-22\
 Data File : 111110.D
 Acq On : 11 Nov 2022 11:12 am
 Operator : WE.
 Sample : 211162-02 1/0.25
 Misc : soil
 ALS Vial : 7 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 14 08:07:51 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration



TIC: 111110.D\data.ms

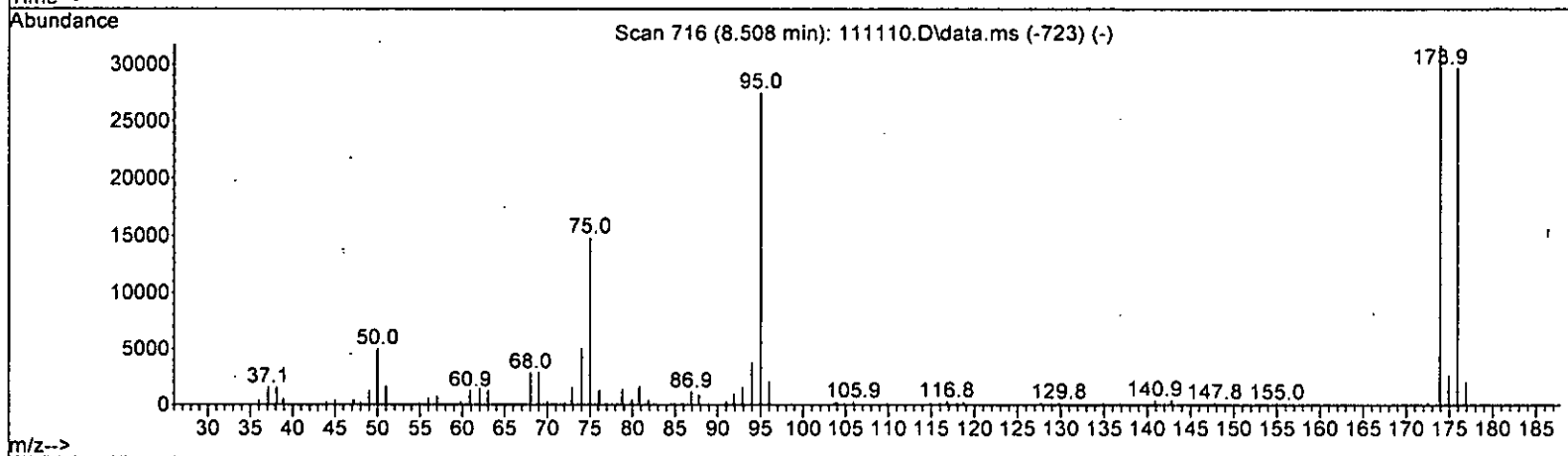
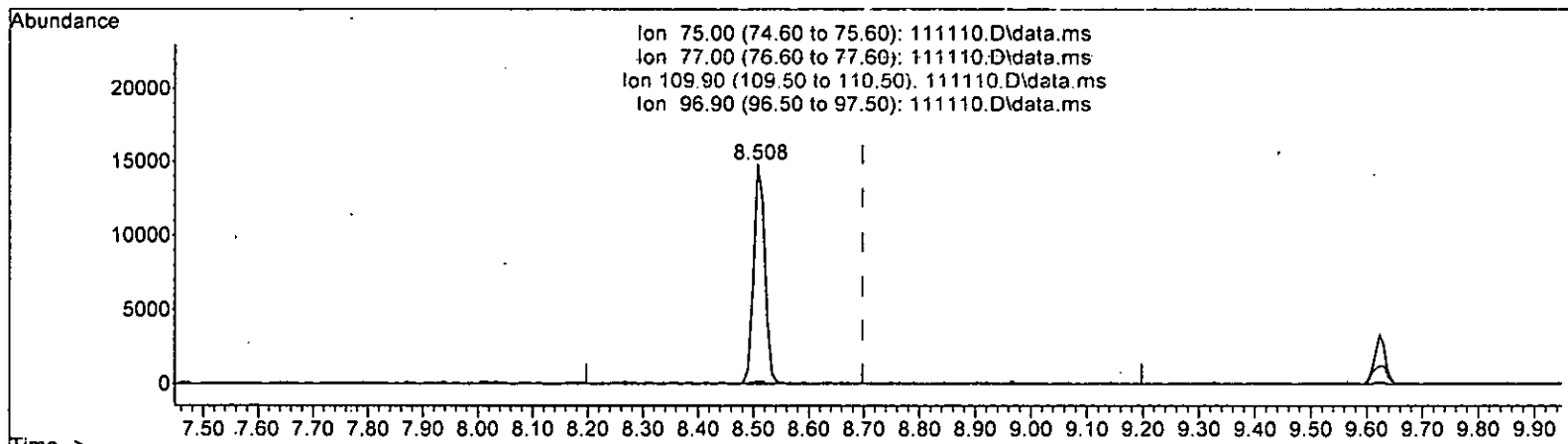
(12) 1,1-Dichloroethene (TMP)
 2.274min (-0.001) 0.143 ppb
 response 518

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	120.90	102.50
63.00	43.90	117.50#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-11-22\
 Data File : 111110.D
 Acq On : 11 Nov 2022 11:12 am
 Operator : WE
 Sample : 211162-02 1/0.25
 Misc : soil
 ALS Vial : 7 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 14 08:07:51 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 111110.D\data.ms

(62) 1,2,3-Trichloropropane (TMP)

8.508min (-0.190) 6.762 ppb

response	20526	
Ion	Exp%	Act%
75.00	100.00	100.00
77.00	34.00	1.34#
109.90	36.50	0.38#
96.90	22.60	0.00

Data Path : Y:\Proc_GCMS13\11-11-22\
 Data File : 111110.D
 Acq On : 11 Nov 2022 11:12 am
 Operator : WE
 Sample : 211162-02 1/0.25
 Misc : soil
 ALS Vial : 7 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 14 08:07:51 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

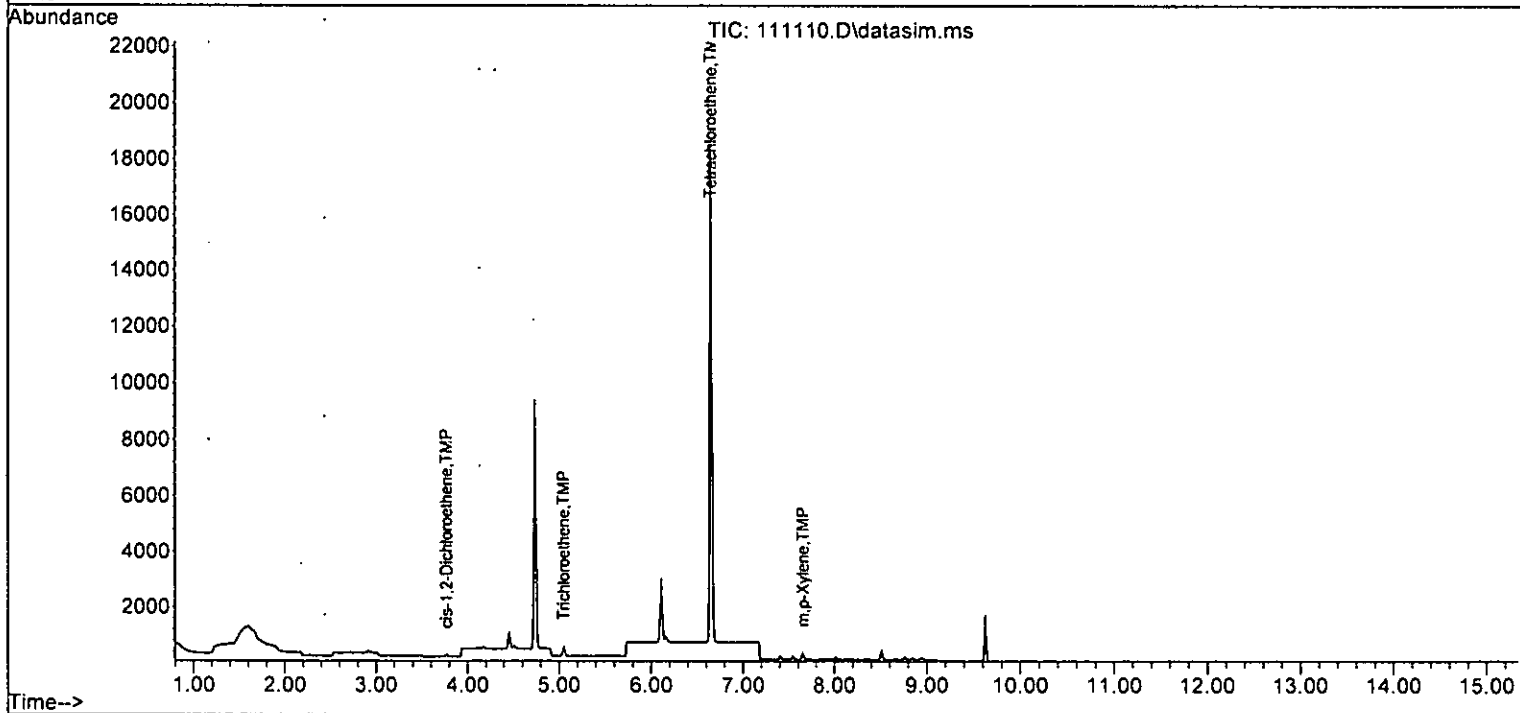
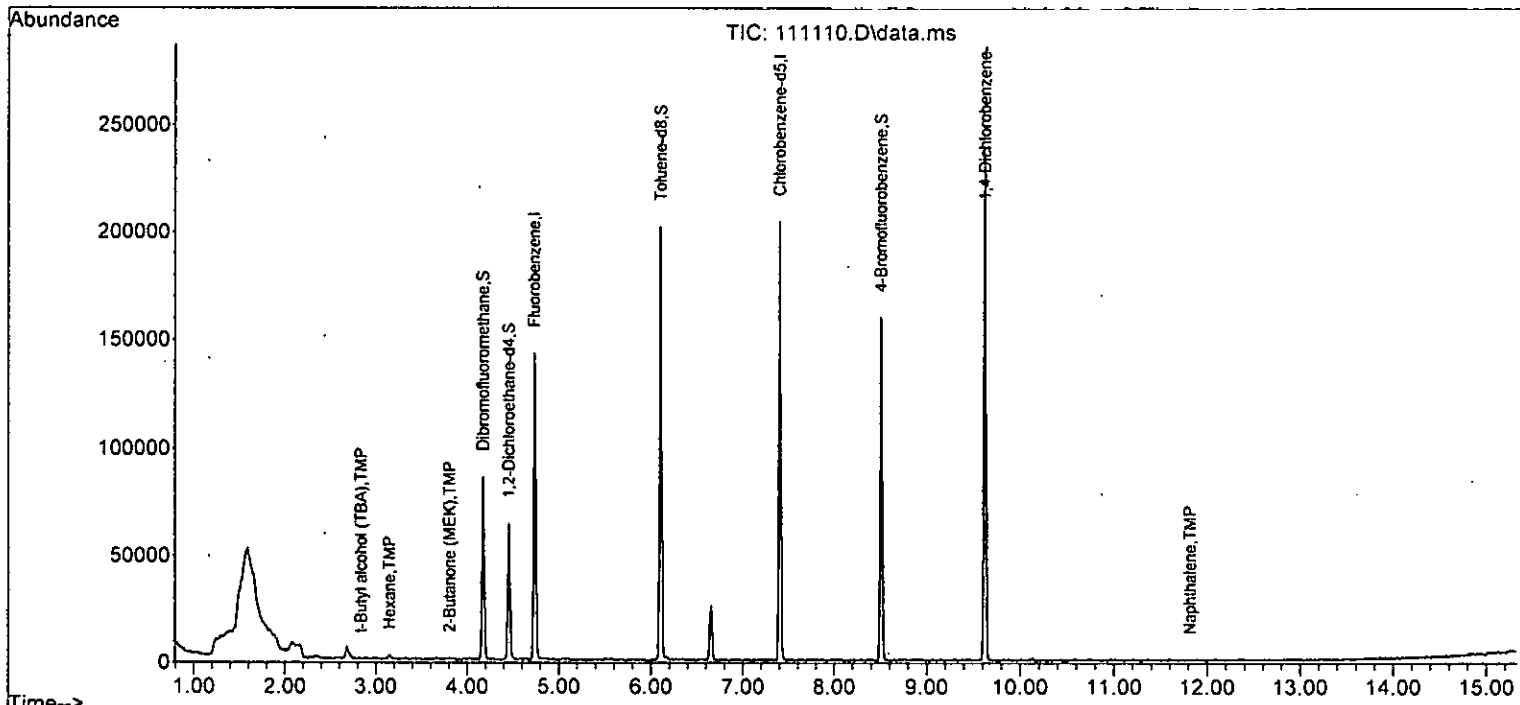
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

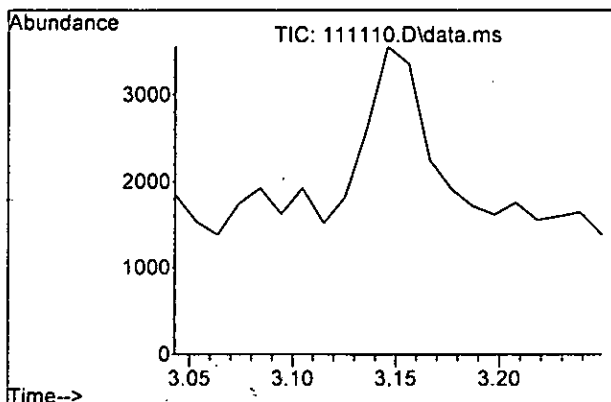
Internal Standards						
1) Fluorobenzene	4.734	96	127070	10.000	ppb	-0.01
39) Chlorobenzene-d5	7.405	117	103942	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.624	152	62435	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.175	113	37912	9.304	ppb	0.00
Spiked Amount	10.000	Range	50 - 150	Recovery	=	93.00%
30) 1,2-Dichloroethane-d4	4.454	102	7367	9.329	ppb	0.00
Spiked Amount	10.000	Range	84 - 120	Recovery	=	93.30%
35) Toluene-d8	6.105	98	111776	9.223	ppb	0.00
Spiked Amount	10.000	Range	73 - 128	Recovery	=	92.20%
57) 4-Bromofluorobenzene	8.508	95	41225	9.583	ppb	0.00
Spiked Amount	10.000	Range	57 - 146	Recovery	=	95.80%
Target Compounds						
11) Acetone	2.331	58	307	Below Cal	#	21
13) Hexane	3.146	57	826	0.201	ppb	79
14) Methylene chloride	2.682	84	3299	Below Cal		95
15) t-Butyl alcohol (TBA)	2.836	59	130	0.426	ppb	56
22] cis-1,2-Dichloroethene	3.769	96	44	0.010	ppb	96
24) 2-Butanone (MEK)	3.805	43	969	0.353	ppb	92
26] 1,2-Dichloroethane (EDC)	4.527	62	99	Below Cal		84
32] Trichloroethene	5.052	95	120	0.026	ppb	# 72
45] Tetrachloroethene	6.648	164	6484	1.566	ppb	96
51] m,p-Xylene	7.651	106	132	0.021	ppb	# 77
75) Naphthalene	11.814	128	270	0.102	ppb	69

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS13\11-11-22\
 Data File : 111110.D
 Acq On : 11 Nov 2022 11:12 am
 Operator : WE
 Sample : 211162-02 1/0.25
 Misc : soil
 ALS Vial : 7 Sample Multiplier: 1
 InstName : GCMS13

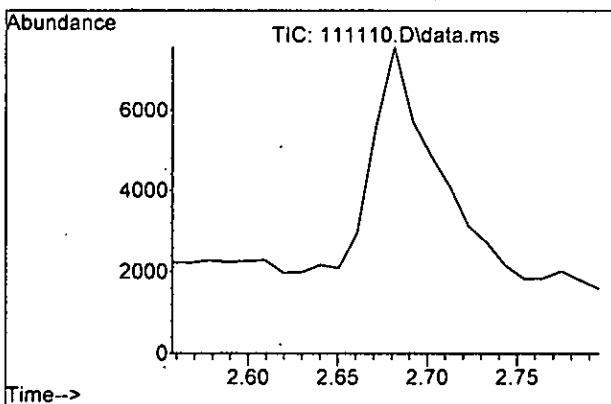
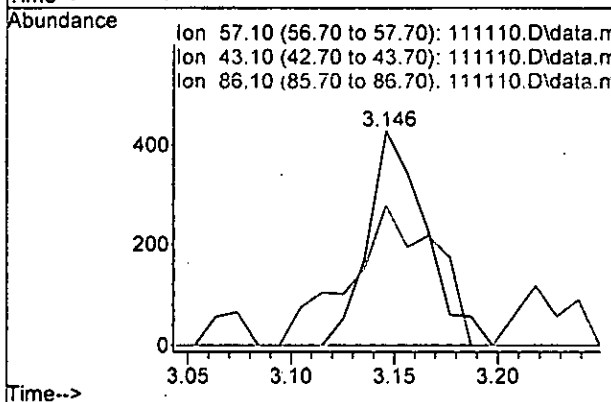
Quant Time: Nov 14 08:07:51 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M





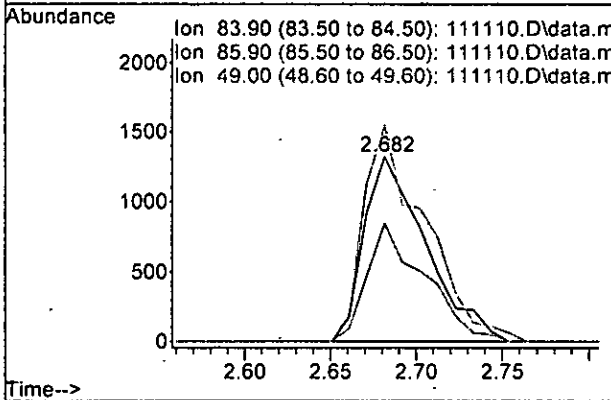
#13
 Hexane
 Concen: 0.201 ppb
 RT: 3.146 min Scan# 221
 Delta R.T. -0.011 min
 Lab File: 111110.D
 Acq: 11 Nov 2022 11:12 am

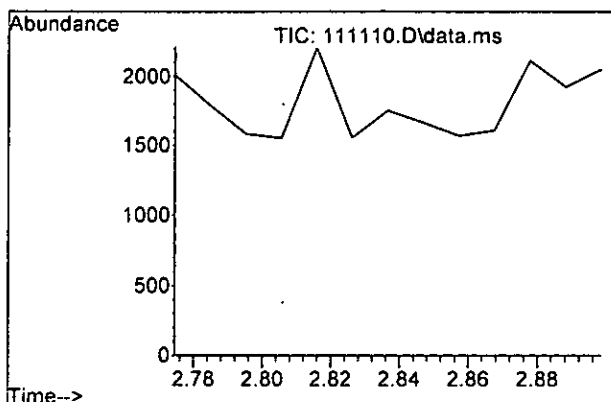
Tgt Ion	Resp	Lower	Upper
57	100		
43	51.4	35.4	95.4
86	0.0	0.0	44.8



#14
 Methylene chloride
 Concen: Below Cal
 RT: 2.682 min Scan# 178
 Delta R.T. -0.000 min
 Lab File: 111110.D
 Acq: 11 Nov 2022 11:12 am

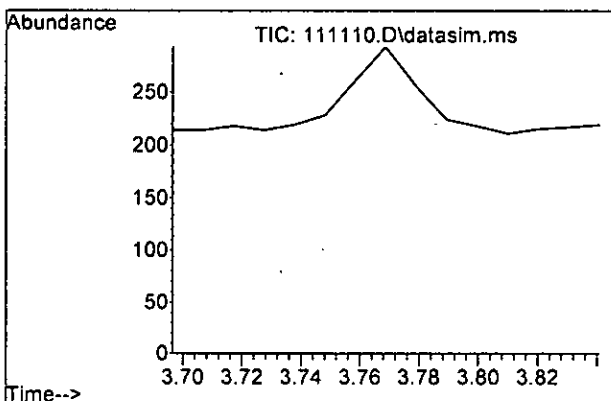
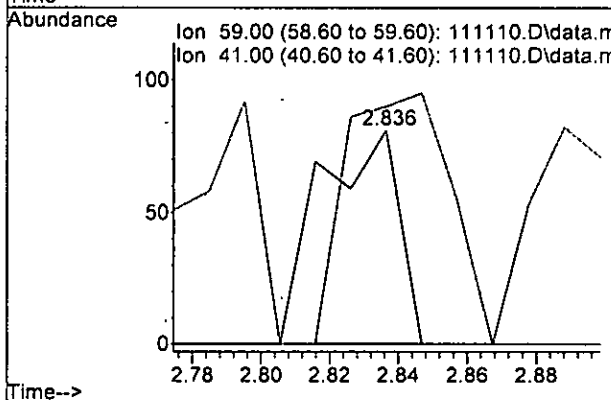
Tgt Ion	Resp	Lower	Upper
84	100		
86	64.0	37.1	97.1
49	117.1	81.3	141.3





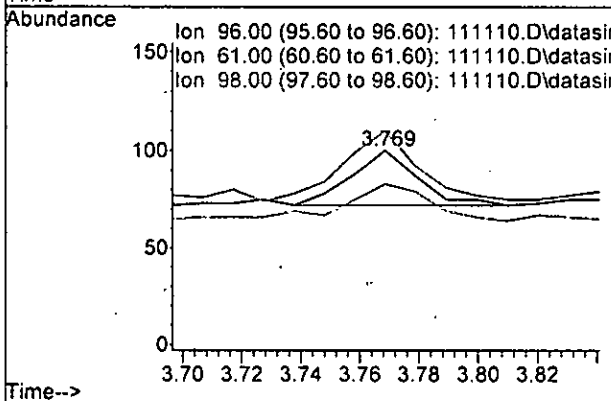
#15
 t-Butyl alcohol (TBA)
 Concen: 0.426 ppb
 RT: 2.836 min Scan# 193
 Delta R.T. 0.020 min
 Lab File: 111110.D
 Acq: 11 Nov 2022 11:12 am

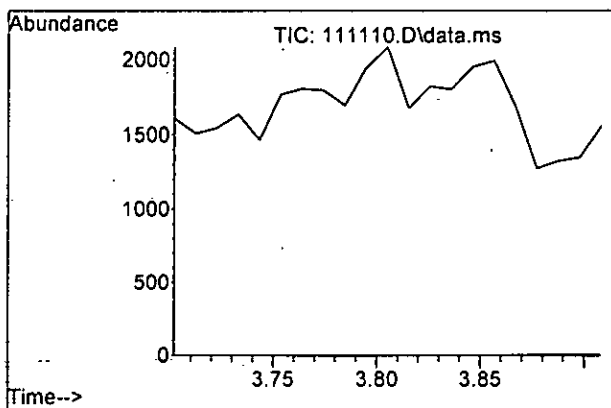
Tgt Ion: 59 Resp: 130
 Ion Ratio Lower Upper
 59 100
 41 44.4 0.0 52.9



#22
 cis-1,2-Dichloroethene
 Concen: 0.010 ppb
 RT: 3.769 min Scan# 290
 Delta R.T. -0.000 min
 Lab File: 111110.D
 Acq: 11 Nov 2022 11:12 am

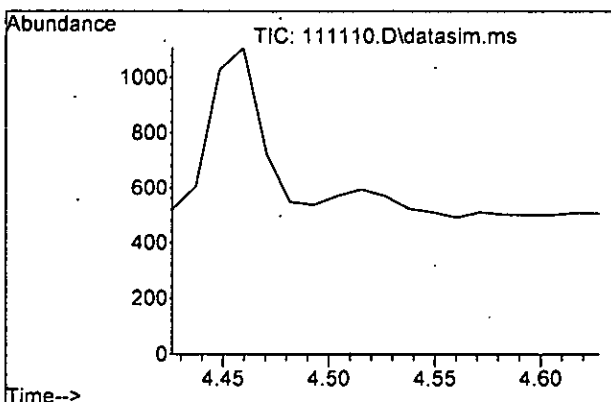
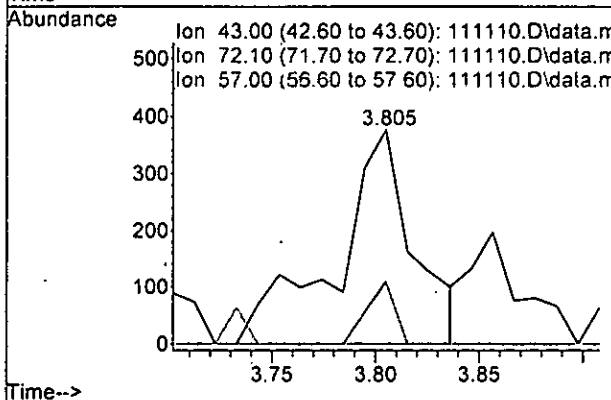
Tgt Ion: 96 Resp: 44
 Ion Ratio Lower Upper
 96 100
 61 125.0 92.3 152.3
 98 67.9 32.0 92.0





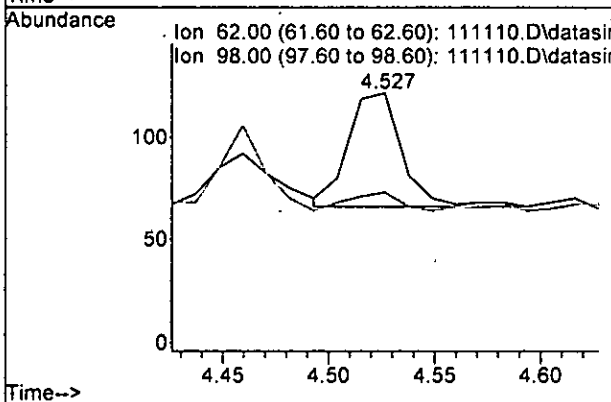
#24
 2-Butanone (MEK)
 Concen: 0.353 ppb
 RT: 3.805 min Scan# 283
 Delta R.T. 0.010 min
 Lab File: 111110.D
 Acq: 11 Nov 2022 11:12 am

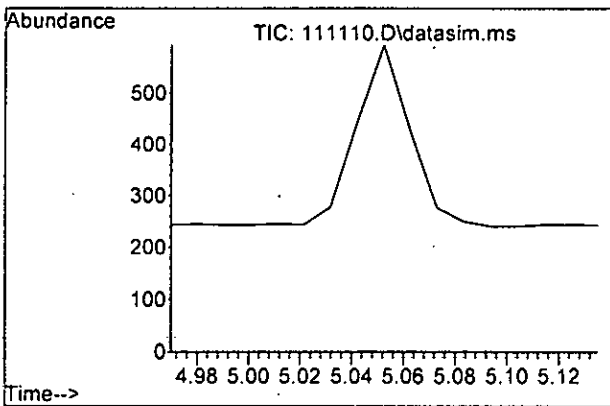
Tgt Ion	Ratio	Lower	Upper
43	100		
72	29.0	0.0	57.0
57	0.0	0.0	28.0



#26
 1,2-Dichloroethane (EDC)
 Concen: Below Cal
 RT: 4.527 min Scan# 359
 Delta R.T. -0.000 min
 Lab File: 111110.D
 Acq: 11 Nov 2022 11:12 am

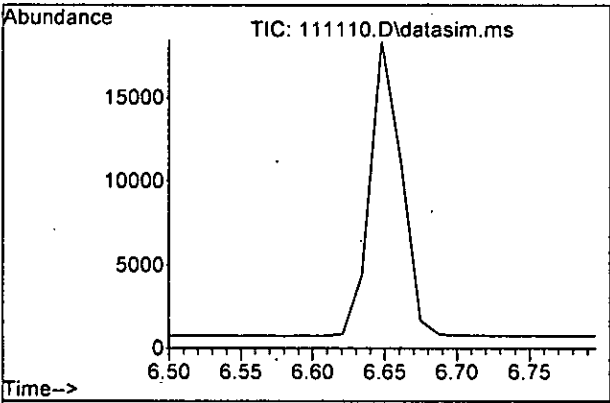
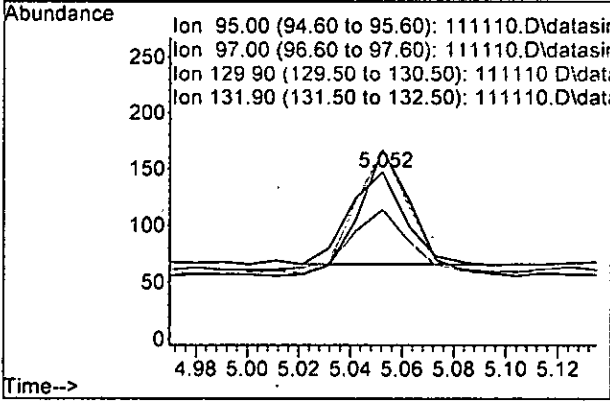
Tgt Ion	Ratio	Lower	Upper
62	100		
98	16.1	0.0	40.1





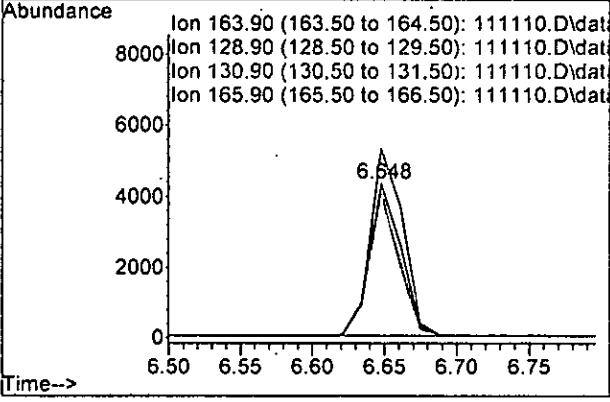
#32
 Trichloroethene
 Concen: 0.026 ppb
 RT: 5.052 min Scan# 407
 Delta R.T. -0.001 min
 Lab File: 111110.D
 Acq: 11 Nov 2022 11:12 am

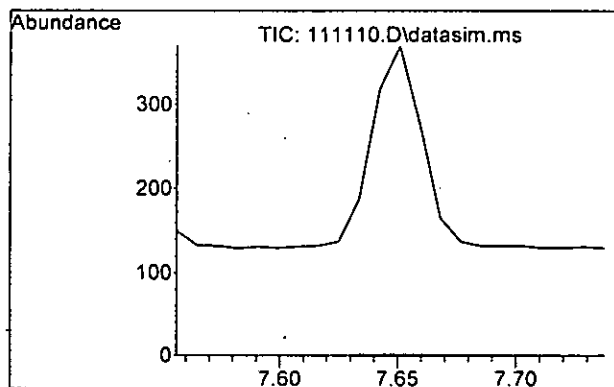
Tgt Ion	Resp	Lower	Upper
95	100		
97	67.9	34.6	94.6
130	133.3	73.4	133.4
132	137.0	65.8	125.8#



#45
 Tetrachloroethene
 Concen: 1.566 ppb
 RT: 6.648 min Scan# 541
 Delta R.T. -0.000 min
 Lab File: 111110.D
 Acq: 11 Nov 2022 11:12 am

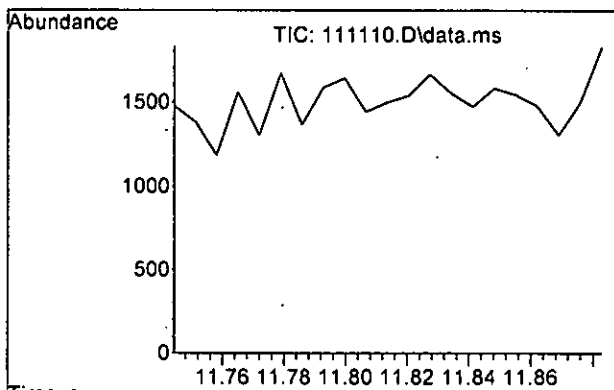
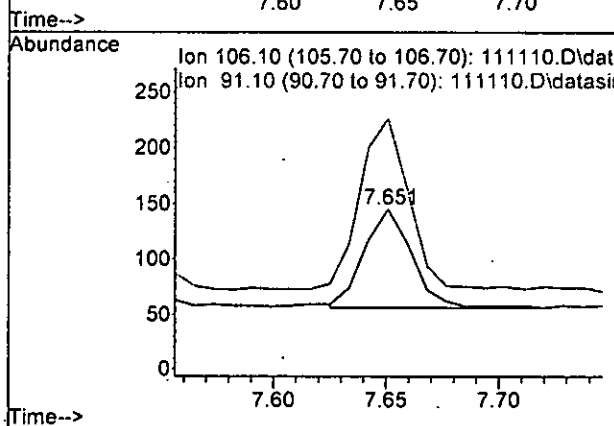
Tgt Ion	Resp	Lower	Upper
164	100		
129	94.6	72.1	132.1
131	91.7	64.8	124.8
166	122.7	90.0	150.0





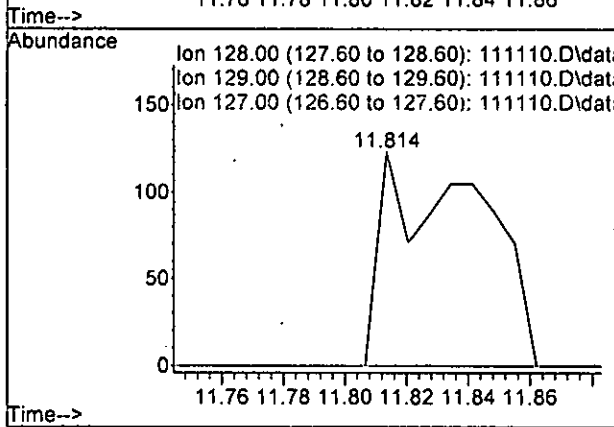
#51
 m,p-Xylene
 Concen: 0.021 ppb
 RT: 7.651 min Scan# 635
 Delta R.T. -0.000 min
 Lab File: 111110.D
 Acq: 11 Nov 2022 11:12 am

Tgt Ion	Ratio	Lower	Upper
106	100		
91	169.7	175.7	235.7#



#75
 Naphthalene
 Concen: 0.102 ppb
 RT: 11.814 min Scan# 1174
 Delta R.T. -0.021 min
 Lab File: 111110.D
 Acq: 11 Nov 2022 11:12 am

Tgt Ion	Ratio	Lower	Upper
128	100		
129	0.0	0.0	40.8
127	0.0	0.0	43.1



Data Path : Y:\Proc_GCMS13\11-11-22\
 Data File : 111110.D
 Acq On : 11 Nov 2022 11:12 am
 Operator : WE
 Sample : 211162-02 1/0.25
 Misc : soil
 ALS Vial : 7 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 14 08:07:51 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 Qlast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	4.734	96	127070	10.000	ppb	-0.01	
39) Chlorobenzene-d5	7.405	117	103942	10.000	ppb	0.00	
56) 1,4-Dichlorobenzene-d4	9.624	152	62435	10.000	ppb	0.00	
System Monitoring Compounds							
3) Dibromofluoromethane	4.175	113	37912	9.304	ppb	0.00	
Spiked Amount	10.000	Range	50 - 150	Recovery	=	93.00%	
30) 1,2-Dichloroethane-d4	4.454	102	7367	9.329	ppb	0.00	
Spiked Amount	10.000	Range	84 - 120	Recovery	=	93.30%	
35) Toluene-d8	6.105	98	111776	9.223	ppb	0.00	
Spiked Amount	10.000	Range	73 - 128	Recovery	=	92.20%	
57) 4-Bromofluorobenzene	8.508	95	41225	9.583	ppb	0.00	
Spiked Amount	10.000	Range	57 - 146	Recovery	=	95.80%	
Target Compounds							
2) Ethanol	2.321	45	418	No Calib			Qvalue
4) Dichlorodifluoromethane	1.137	85	33	N.D.			
5) Chloromethane	1.281	50	149	N.D.			
6) Vinyl chloride	0.000		0	N.D. d			
7) Bromomethane	0.000		0	N.D. d			
8) Chloroethane	0.000		0	N.D.			
9) Trichlorofluoromethane	0.000		0	N.D.			
10) 2-Propanol	2.321	45	418	No Calib	#		
11) Acetone	2.331	58	307	Below Cal	#	21	
12) 1,1-Dichloroethene	0.000		0	N.D. d			
13) Hexane	3.146	57	826	0.201	ppb	79	
14) Methylene chloride	2.682	84	3299	Below Cal		95	
15) t-Butyl alcohol (TBA)	2.836	59	130	0.426	ppb	56	
16) Methyl t-butyl ether (...)	0.000		0	N.D.			
17) trans-1,2-Dichloroethene	0.000		0	N.D.			
18) Diisopropyl ether (DIPE)	0.000		0	N.D.			
19) 1,1-Dichloroethane	0.000		0	N.D.			
20) Ethyl t-butyl ether (E...)	0.000		0	N.D.			
21) 2,2-Dichloropropane	3.774	77	380	N.D.			
22] cis-1,2-Dichloroethene	3.769	96	44	0.010	ppb	96	
23) Chloroform	0.000		0	N.D.			
24) 2-Butanone (MEK)	3.805	43	969	0.353	ppb	92	
25) t-Amyl methyl ether (T...)	4.544	73	36	N.D.			
26] 1,2-Dichloroethane (EDC)	4.527	62	99	Below Cal		84	
27) 1,1,1-Trichloroethane	0.000		0	N.D.			
28) 1,1-Dichloropropene	0.000		0	N.D.			
29) Carbon tetrachloride	0.000		0	N.D.			
31) Benzene	4.504	78	77	N.D.			
32] Trichloroethene	5.052	95	120	0.026	ppb	# 72	
33) 1,2-Dichloropropane	5.182	63	35	N.D.			
34) Bromodichloromethane	0.000		0	N.D.			
36) Dibromomethane	0.000		0	N.D.			

Data Path : Y:\Proc_GCMS13\11-11-22\
 Data File : 111110.D
 Acq On : 11 Nov 2022 11:12 am
 Operator : WE
 Sample : 211162-02 1/0.25
 Misc : soil
 ALS Vial : 7 Sample Multiplier: 1
 InstName : GCMS13

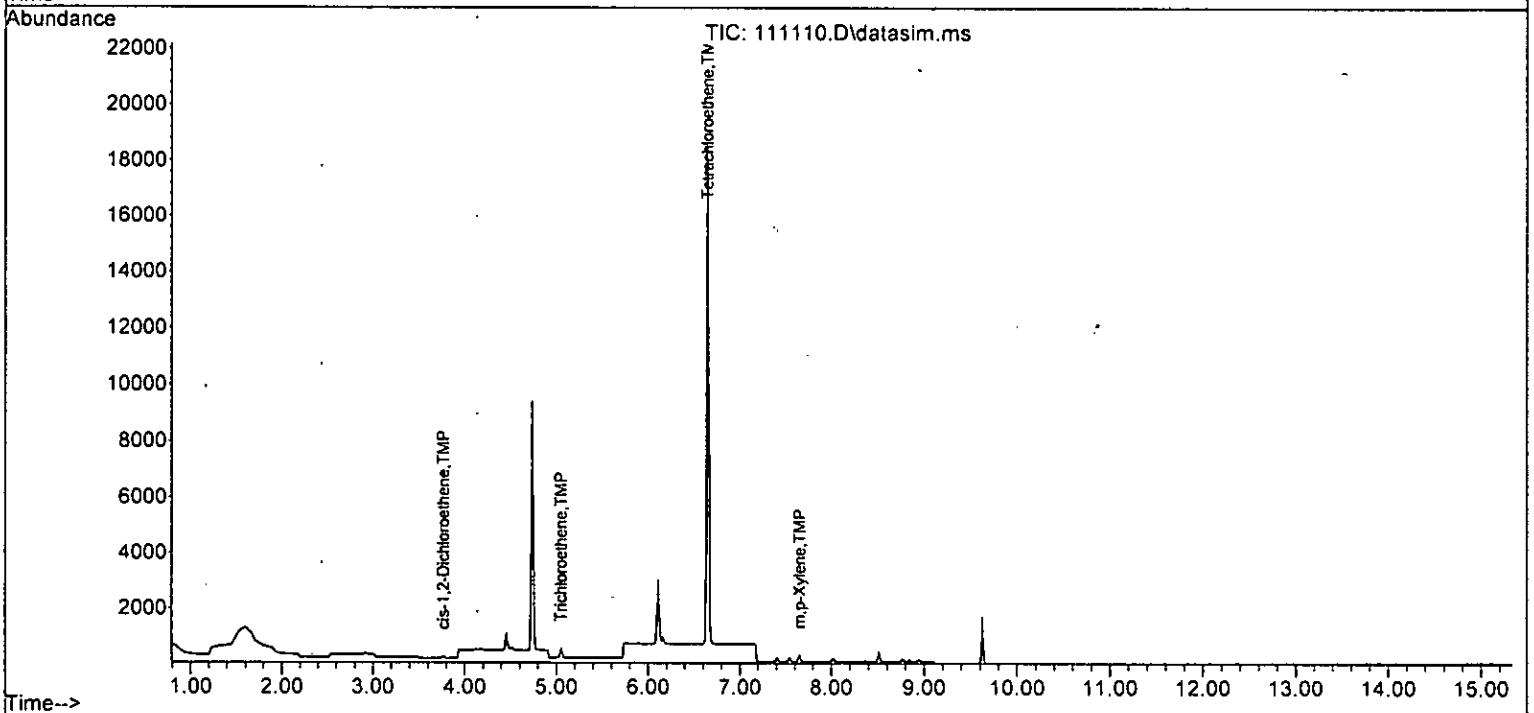
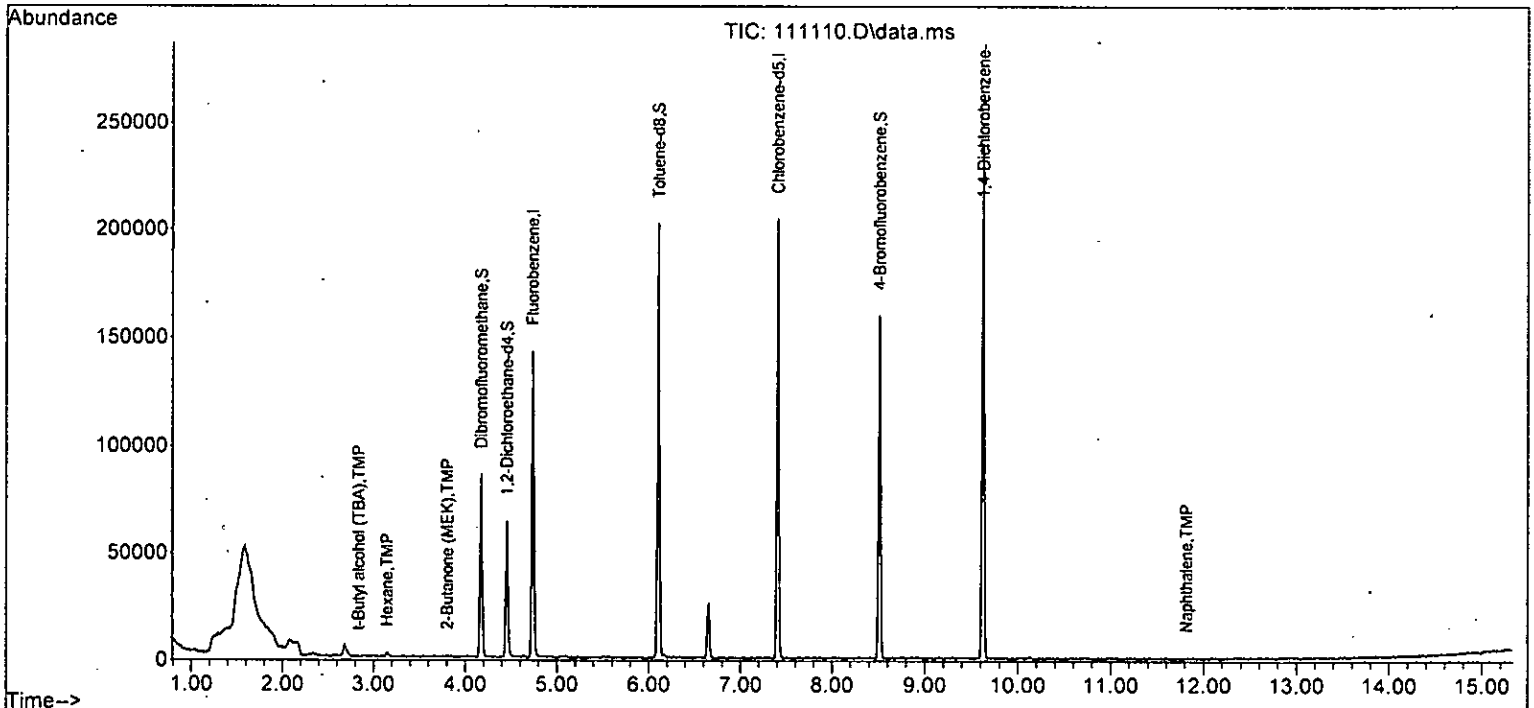
Quant Time: Nov 14 08:07:51 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.000		0		N.D.	
38) cis-1,3-Dichloropropene	5.769	75	56		N.D.	
40) Toluene	6.164	92	144		N.D.	
41) trans-1,3-Dichloropropene	6.266	75	248		N.D.	
42) 1,1,2-Trichloroethane	6.648	83	100		N.D.	
43) 2-Hexanone	6.723	43	165		N.D.	
44) 1,3-Dichloropropane	0.000		0		N.D.	
45] Tetrachloroethene	6.648	164	6484	1.566	ppb	96
46) Dibromochloromethane	0.000		0		N.D.	
47) 1,2-Dibromoethane (EDB)	0.000		0		N.D.	
48) Chlorobenzene	7.439	112	30		N.D.	
49) Ethylbenzene	7.539	91	130		N.D.	
50) 1,1,1,2-Tetrachloroethane	7.448	131	36		N.D.	
51] m,p-Xylene	7.651	106	132	0.021	ppb #	77
52) o-Xylene	8.021	106	52		N.D.	
53) Styrene	8.034	104	62		N.D.	
54) Isopropylbenzene	8.370	105	86		N.D.	
55) Bromoform	0.000		0		N.D.	
58) n-Propylbenzene	8.749	91	153		N.D.	
59) Bromobenzene	8.499	156	27		N.D.	
60) 1,3,5-Trimethylbenzene	8.921	105	101		N.D.	
61) 1,1,2,2-Tetrachloroethane	0.000		0		N.D.	
62) 1,2,3-Trichloropropane	0.000		0		N.D. d	
63) 2-Chlorotoluene	8.749	91	153		N.D.	
64) 4-Chlorotoluene	8.956	91	125		N.D.	
65) tert-Butylbenzene	0.000		0		N.D.	
66) 1,2,4-Trimethylbenzene	9.298	105	225		N.D.	
67) sec-Butylbenzene	9.457	105	87		N.D.	
68) p-Isopropyltoluene	9.617	119	74		N.D.	
69) 1,3-Dichlorobenzene	9.561	146	54		N.D.	
70) 1,4-Dichlorobenzene	9.644	146	87		N.D.	
71) 1,2-Dichlorobenzene	10.019	146	77		N.D.	
72) 1,2-Dibromo-3-chloropr...	10.684	75	28		N.D.	
73) 1,2,4-Trichlorobenzene	11.599	180	54		N.D.	
74) Hexachlorobutadiene	0.000		0		N.D.	
75) Naphthalene	11.814	128	270	0.102	ppb	69
76) 1,2,3-Trichlorobenzene	12.077	180	25		N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS13\11-11-22\
 Data File : 111110.D
 Acq On : 11 Nov 2022 11:12 am
 Operator : WE
 Sample : 211162-02 1/0.25
 Misc : soil
 ALS Vial : 7 Sample Multiplier: 1
 InstName : GCMS13

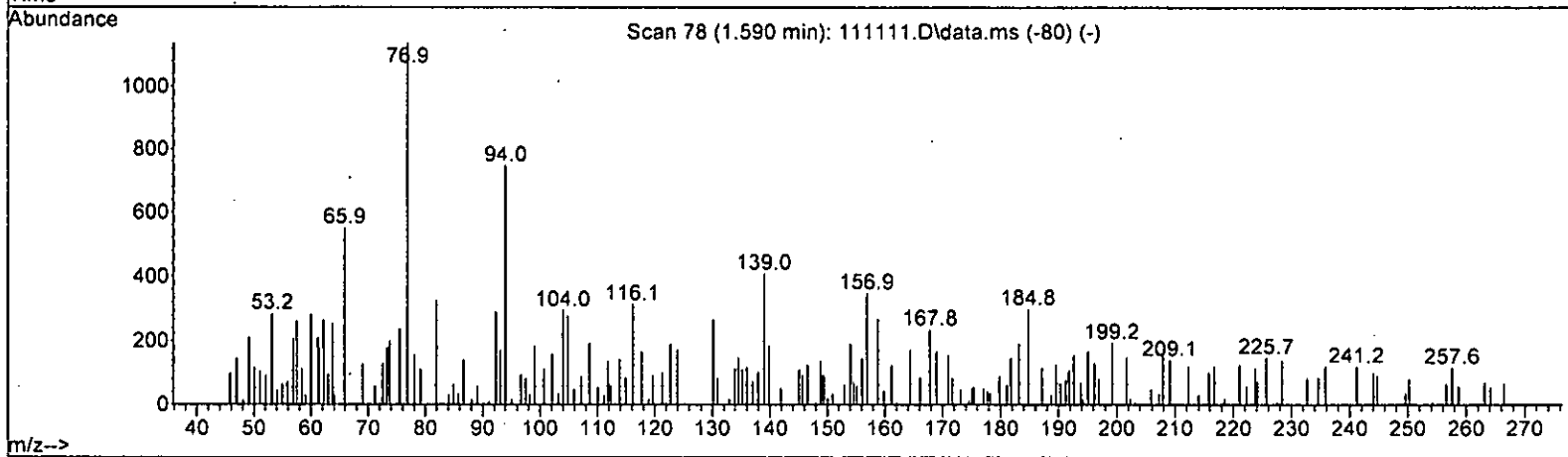
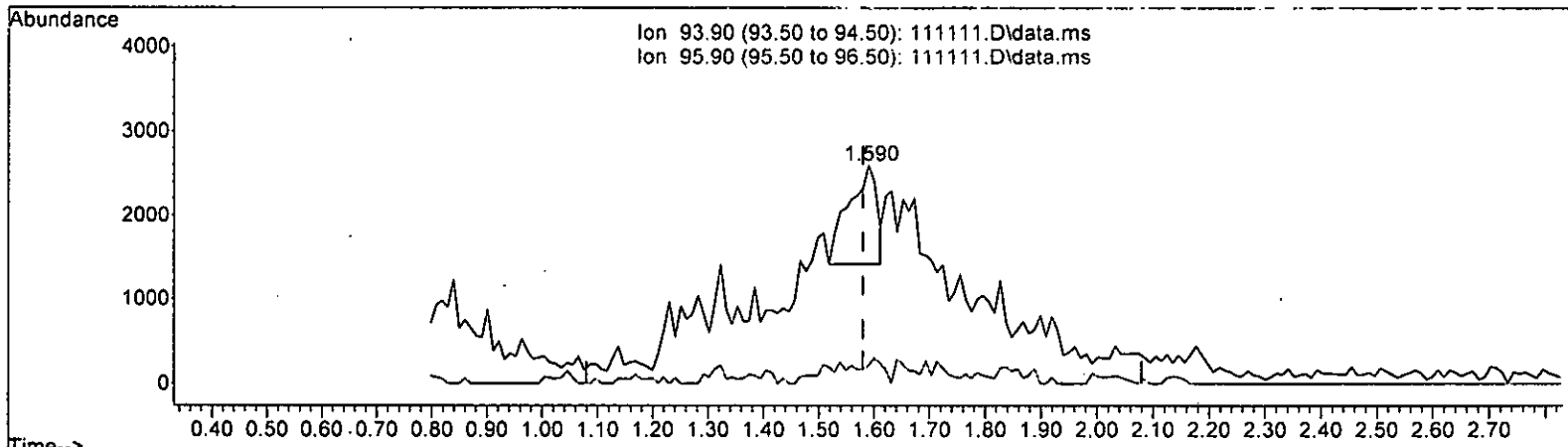
Quant Time: Nov 14 08:07:51 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-11-22\
 Data File : 111111.D
 Acq On : 11 Nov 2022 11:36 am
 Operator : WE
 Sample : 211162-03 1/0.25
 Misc : soil
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 14 08:07:55 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 111111.D\data.ms

(7) Bromomethane (TMP)

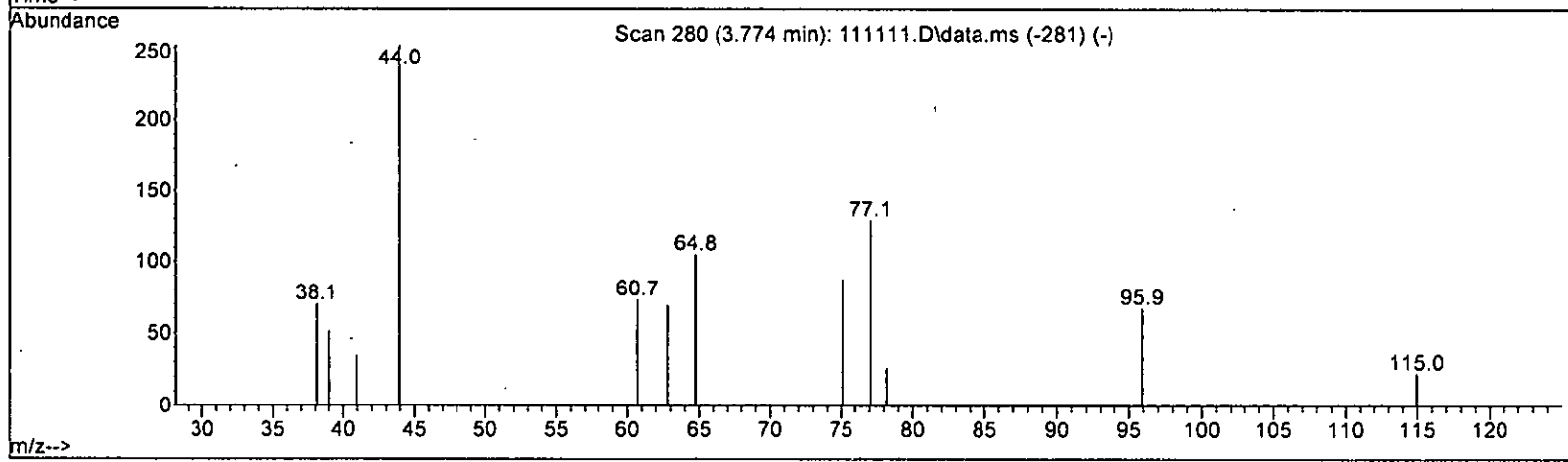
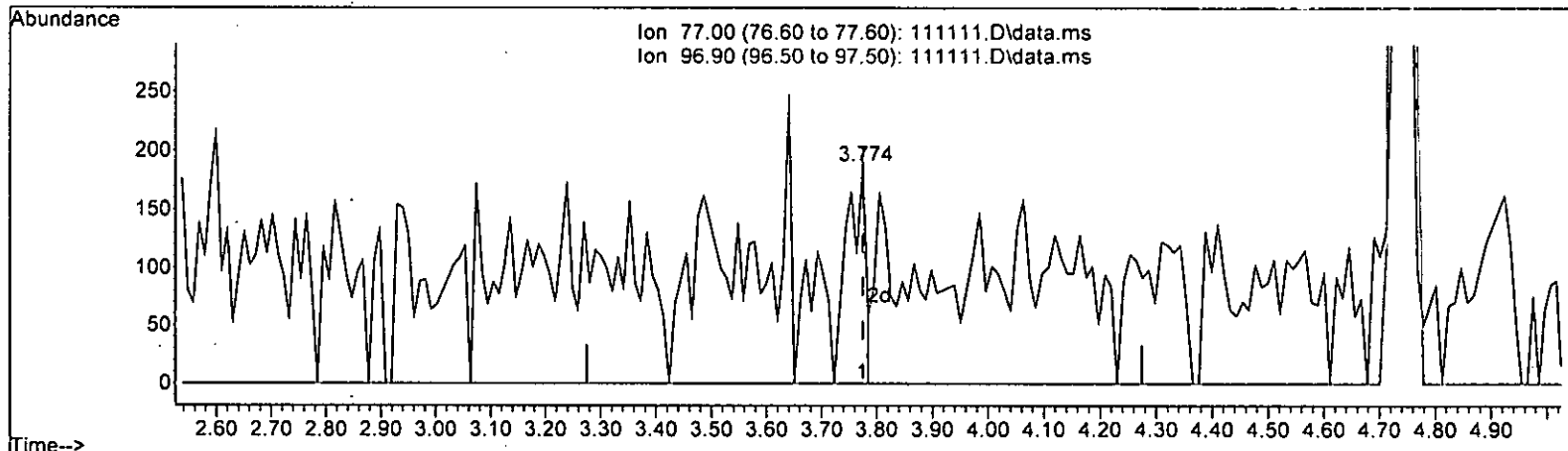
1.590min (+ 0.010) 0.844 ppb

response	4196
Ion	Exp% Act%
93.90	100.00 100.00
95.90	.93.50 1.69#
0.00	0.00 0.00
0.00	0.00 0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-11-22\
 Data File : 111111.D
 Acq On : 11.Nov 2022 11:36 am
 Operator : WE
 Sample : 211162-03 1/0.25
 Misc : soil
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 14 08:07:55 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 Qlast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 111111.D\data.ms

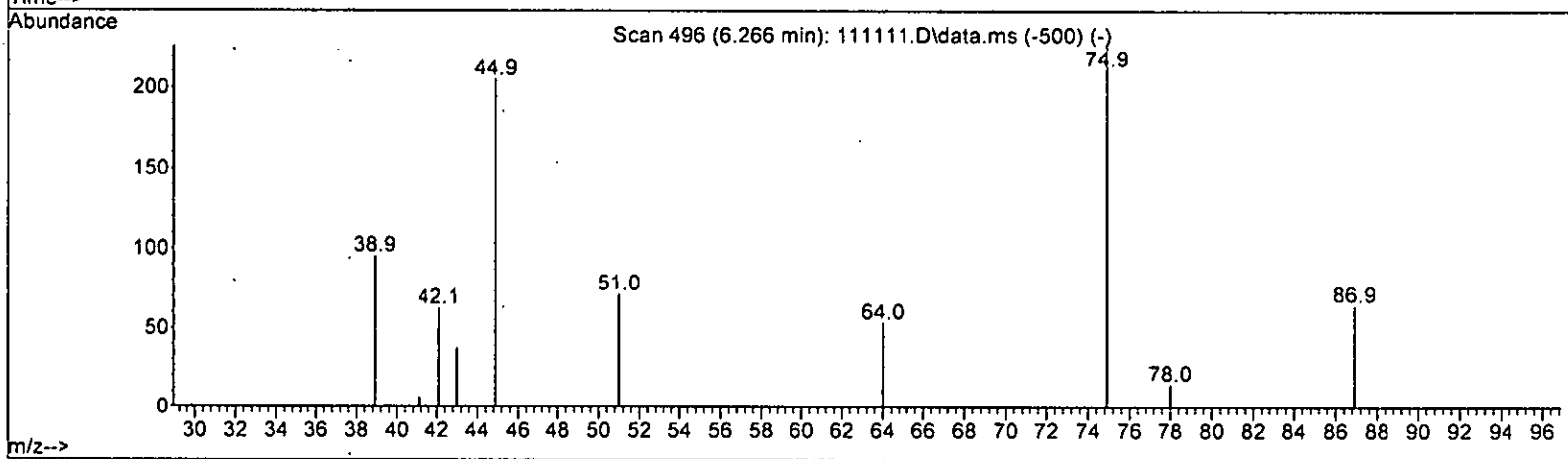
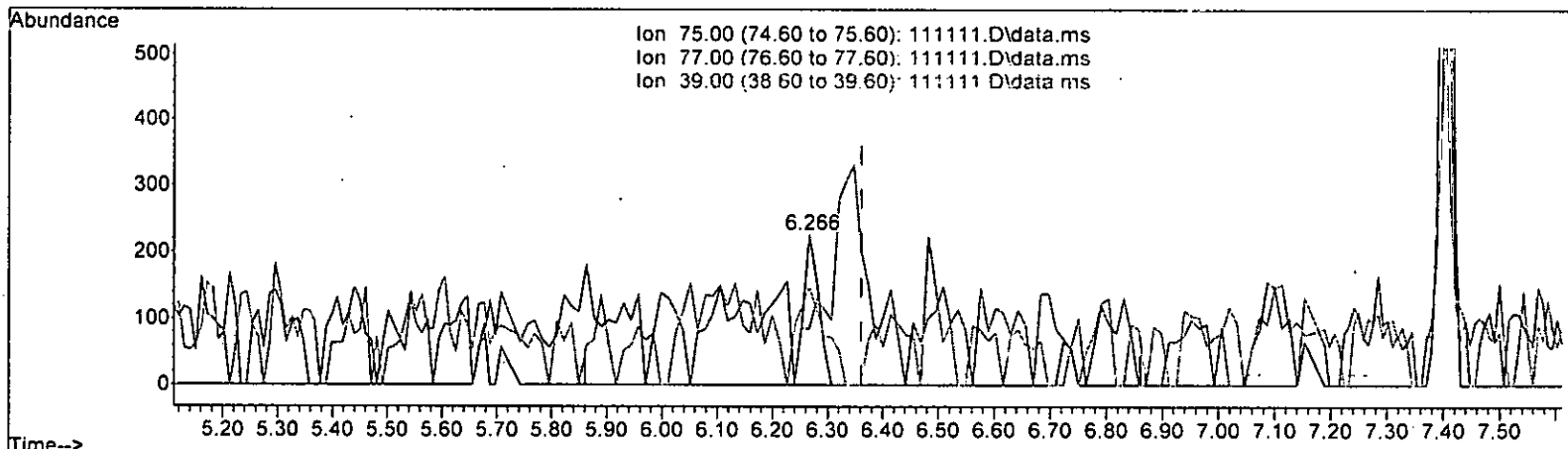
(21) 2,2-Dichloropropane (TMP)
 3.774min (-0.001) 0.124 ppb
 response 446

Ion	Exp%	Act%
77.00	100.00	100.00
96.90	26.80	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-11-22\
 Data File : 111111.D
 Acq On : 11 Nov 2022 11:36 am
 Operator : WE
 Sample : 211162-03 1/0.25
 Misc : soil
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 14 08:07:55 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 Qlast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 111111.D\data.ms

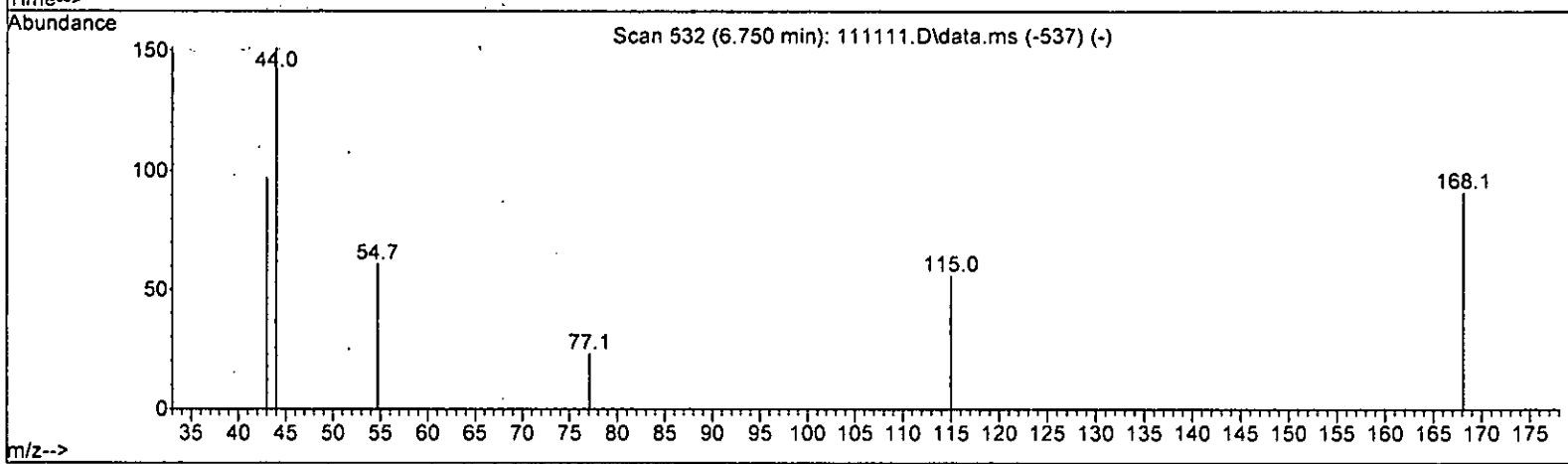
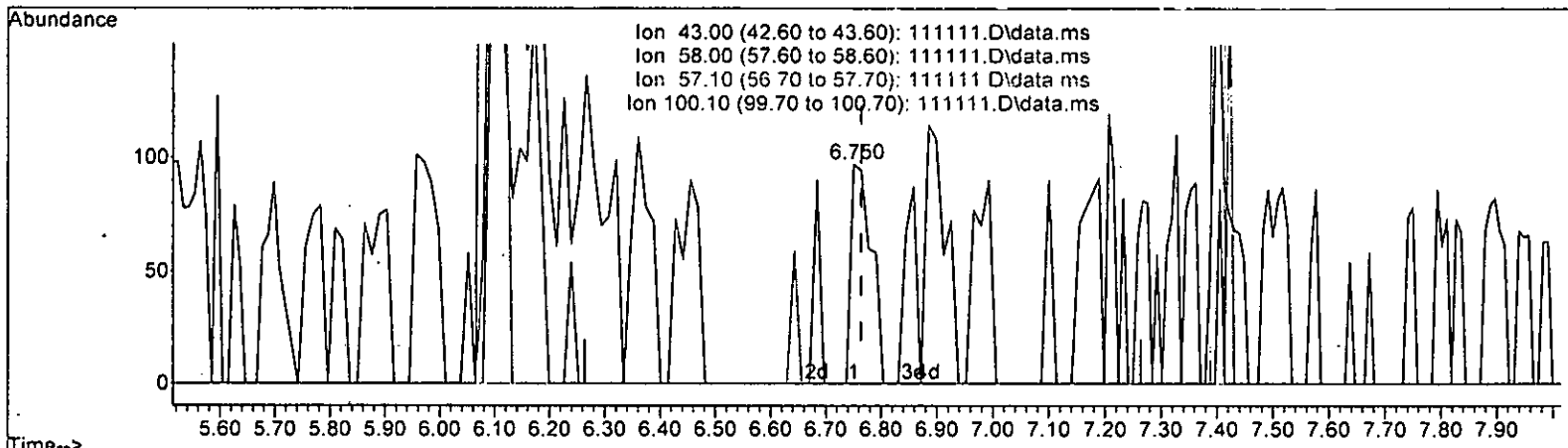
(41) trans-1,3-Dichloropropene (TMP)
 6.266min (-0.095) 0.124 ppb
 response 426

Ion	Exp%	Act%
75.00	100.00	100.00
77.00	32.60	0.00#
39.00	46.30	65.49
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-11-22\
 Data File : 111111.D
 Acq On : 11 Nov 2022 11:36 am
 Operator : WE
 Sample : 211162-03 1/0.25
 Misc : soil
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 14 08:07:55 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 111111.D\data.ms

(43) 2-Hexanone (TMP)

6.750min (-0.014) 0.128 ppb

response 249

Ion	Exp%	Act%
43.00	100.00	100.00
58.00	51.50	0.00#
57.10	16.30	0.00
100.10	10.20	0.00

Data Path : Y:\Proc_GCMS13\11-11-22\
 Data File : 111111.D
 Acq On : 11 Nov 2022 11:36 am
 Operator : WE
 Sample : 211162-03 1/0.25
 Misc : soil
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 14 08:07:55 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

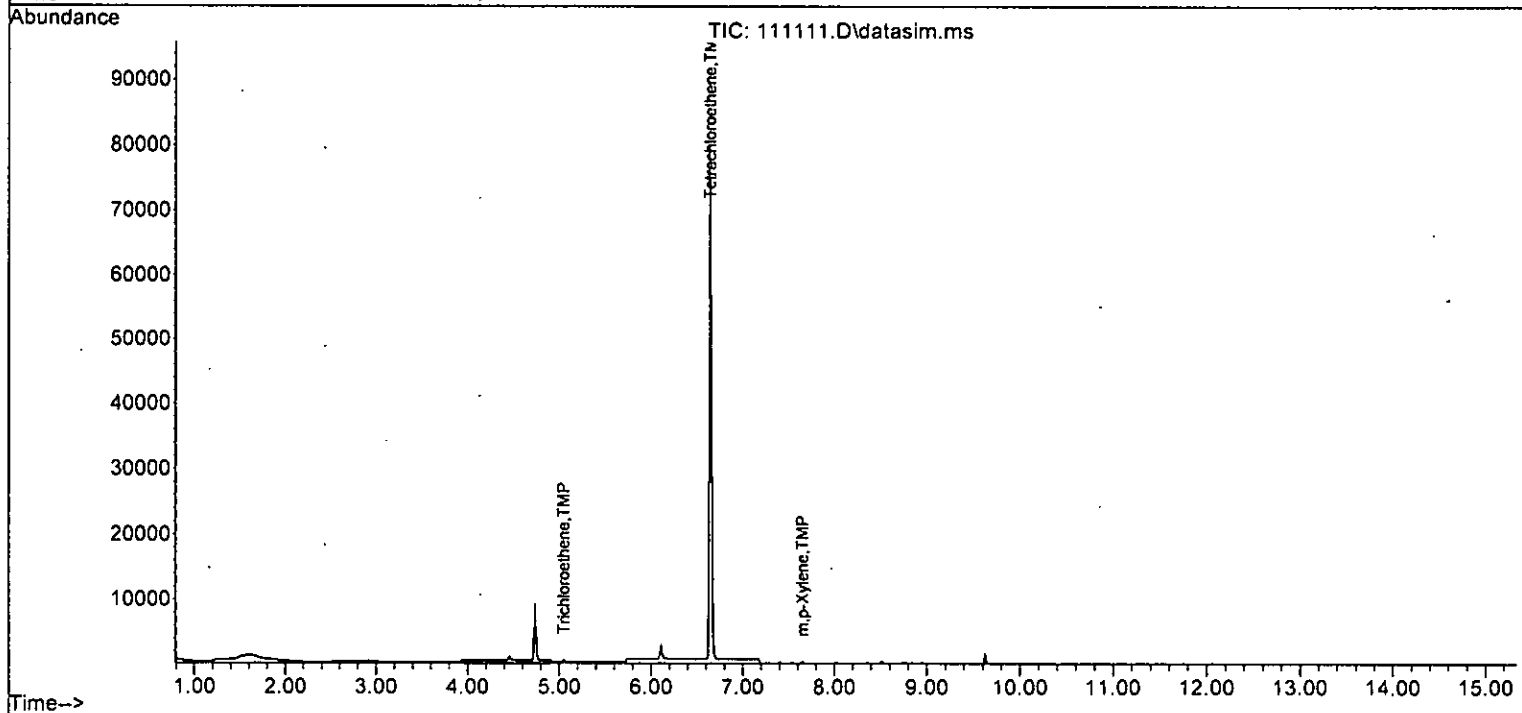
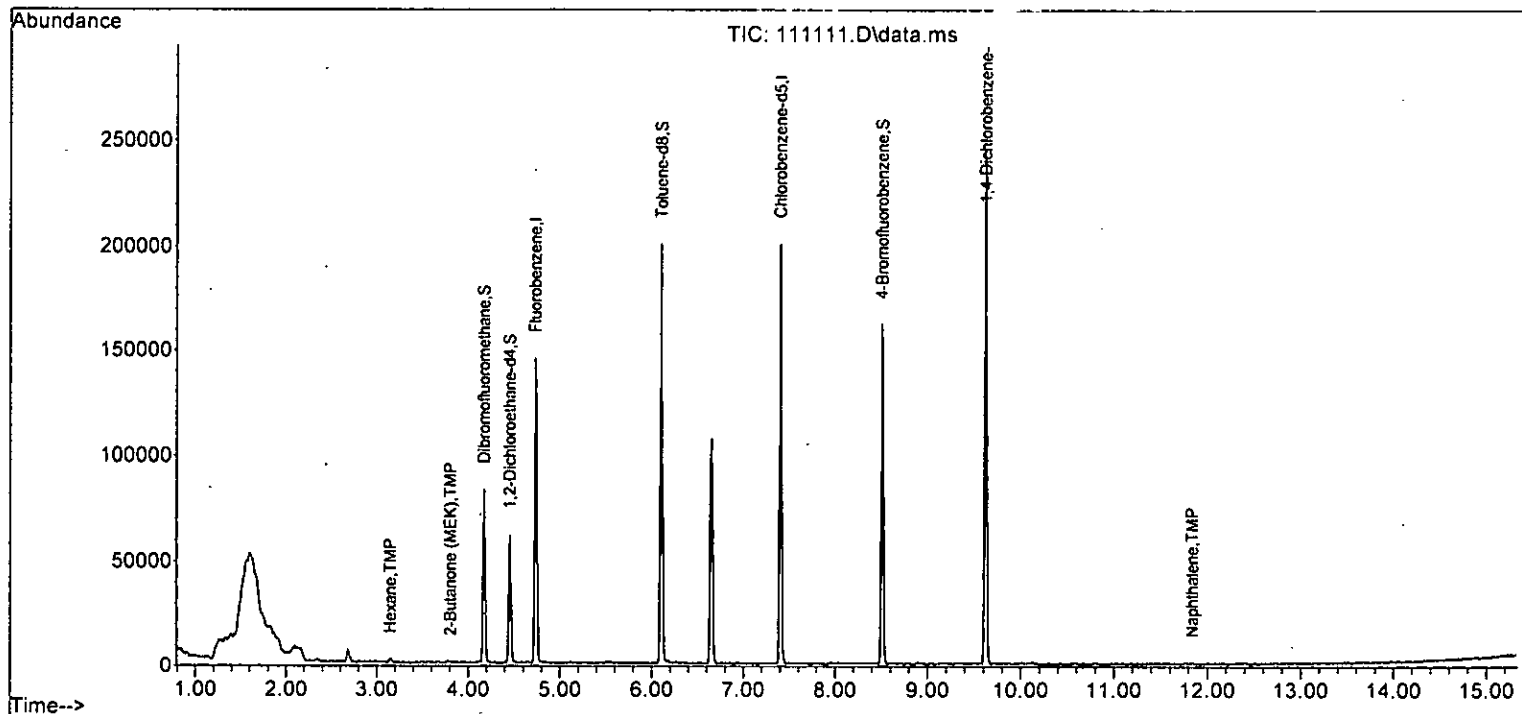
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

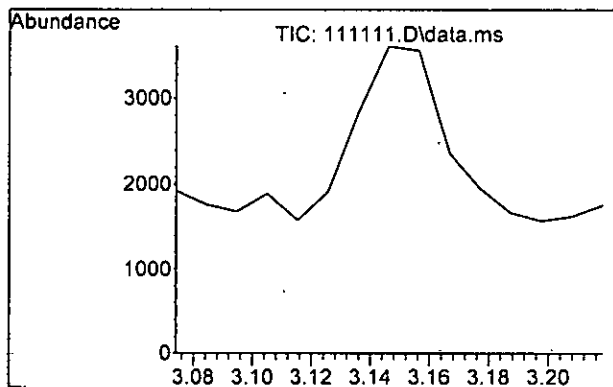
Internal Standards						
1) Fluorobenzene	4.734	96	115075	10.000	ppb	-0.01
39) Chlorobenzene-d5	7.405	117	102241	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.624	152	62618	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.175	113	37233	10.089	ppb	0.00
Spiked Amount	10.000	Range 50 - 150	Recovery	=	100.90%	
30) 1,2-Dichloroethane-d4	4.455	102	6860	9.592	ppb	0.00
Spiked Amount	10.000	Range 84 - 120	Recovery	=	95.90%	
35) Toluene-d8	6.105	98	109214	9.951	ppb	0.00
Spiked Amount	10.000	Range 73 - 128	Recovery	=	99.50%	
57) 4-Bromofluorobenzene	8.508	95	41008	9.504	ppb	0.00
Spiked Amount	10.000	Range 57 - 146	Recovery	=	95.00%	
Target Compounds						
						Qvalue
13) Hexane	3.146	57	761	0.205	ppb	78
14) Methylene chloride	2.682	84	3017	Below Cal		78
24) 2-Butanone (MEK)	3.805	43	719	0.242	ppb	55
26] 1,2-Dichloroethane (EDC)	4.516	62	97	Below Cal		96
32] Trichloroethene	5.053	95	126	0.030	ppb #	55
40] Toluene	6.164	92	119	Below Cal		92
42] 1,1,2-Trichloroethane	6.527	83	29	Below Cal	#	44
45] Tetrachloroethene	6.648	164	28306	7.010	ppb	95
46) Dibromochloromethane	6.925	129	81	Below Cal	#	11
51] m,p-Xylene	7.651	106	112	0.018	ppb #	79
75) Naphthalene	11.841	128	170	0.093	ppb	69

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS13\11-11-22\
 Data File : 111111.D
 Acq On : 11 Nov 2022 11:36 am
 Operator : WE
 Sample : 211162-03 1/0.25
 Misc : soil
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS13

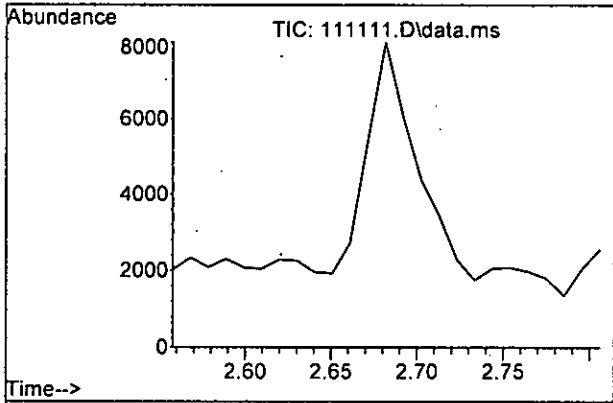
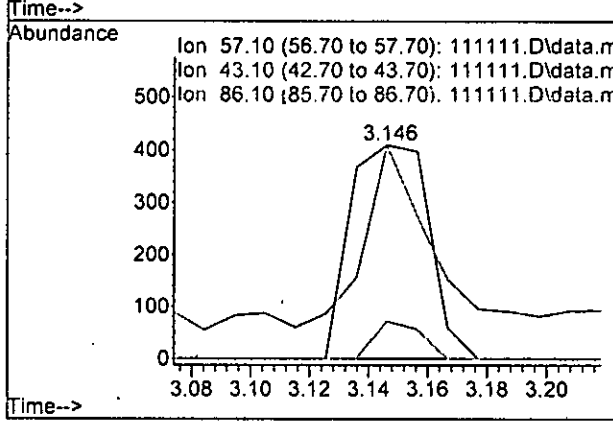
Quant Time: Nov 14 08:07:55 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth: VM080322.M





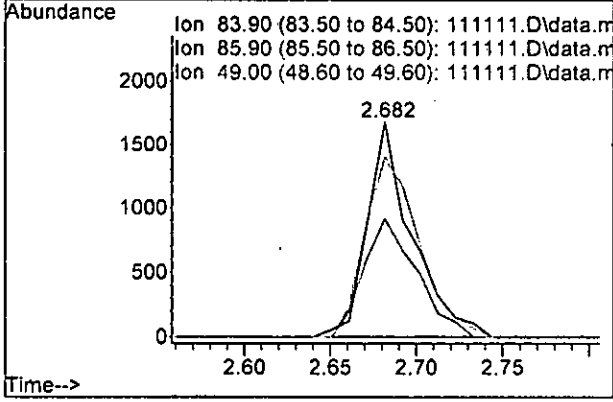
#13
 Hexane
 Concen: 0.205 ppb
 RT: 3.146 min Scan# 221
 Delta R.T. -0.011 min
 Lab File: 111111.D
 Acq: 11 Nov 2022 11:36 am

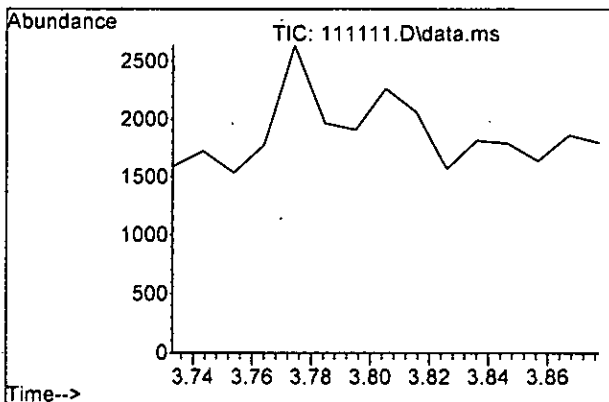
Tgt Ion	Resp	Lower	Upper
57	100		
43	85.3	35.4	95.4
86	17.6	0.0	44.8



#14
 Methylene chloride
 Concen: Below Cal
 RT: 2.682 min Scan# 178
 Delta R.T. -0.000 min
 Lab File: 111111.D
 Acq: 11 Nov 2022 11:36 am

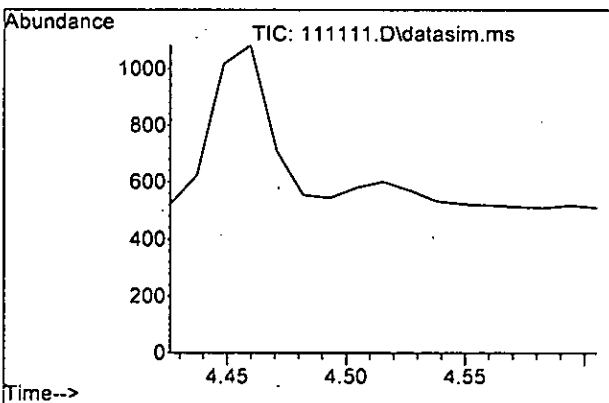
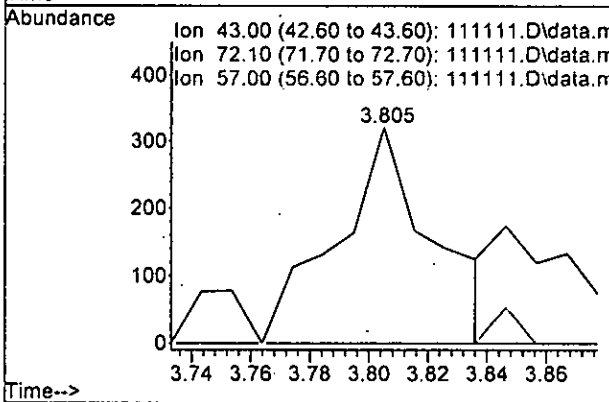
Tgt Ion	Resp	Lower	Upper
84	100		
86	54.7	37.1	97.1
49	83.2	81.3	141.3





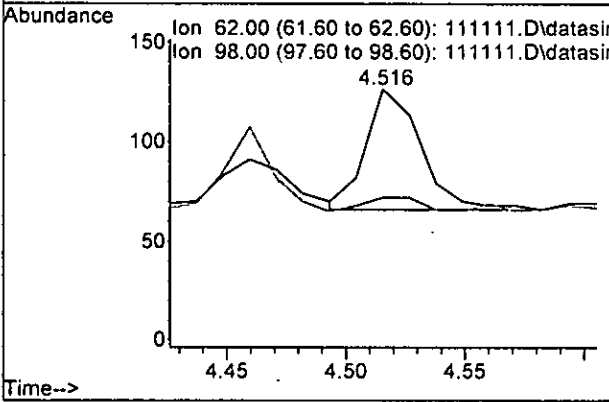
#24
 2-Butanone (MEK)
 Concen: 0.242 ppb
 RT: 3.805 min Scan# 283
 Delta R.T. 0.010 min
 Lab File: 111111.D
 Acq: 11 Nov 2022 11:36 am

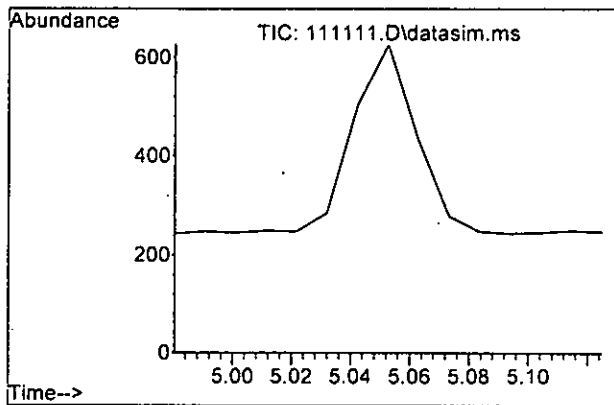
Tgt Ion	Ratio	Lower	Upper
43	100		
72	0.0	0.0	57.0
57	0.0	0.0	28.0



#26
 1,2-Dichloroethane (EDC)
 Concen: Below Cal
 RT: 4.516 min Scan# 358
 Delta R.T. -0.011 min
 Lab File: 111111.D
 Acq: 11 Nov 2022 11:36 am

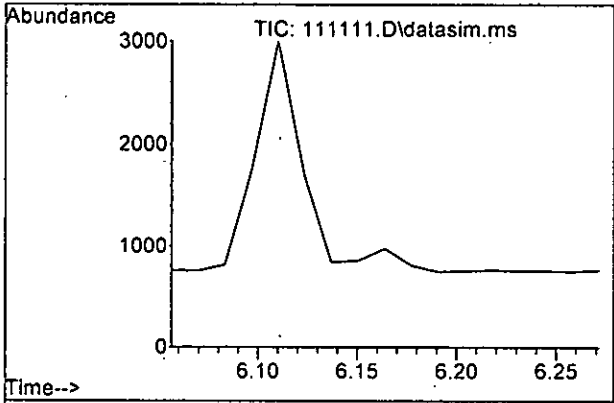
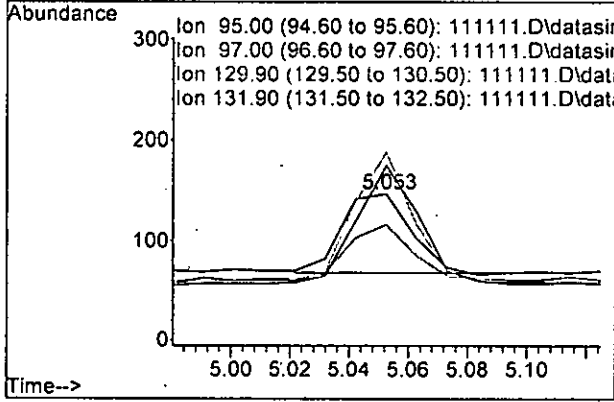
Tgt Ion	Ratio	Lower	Upper
62	100		
98	11.7	0.0	40.1





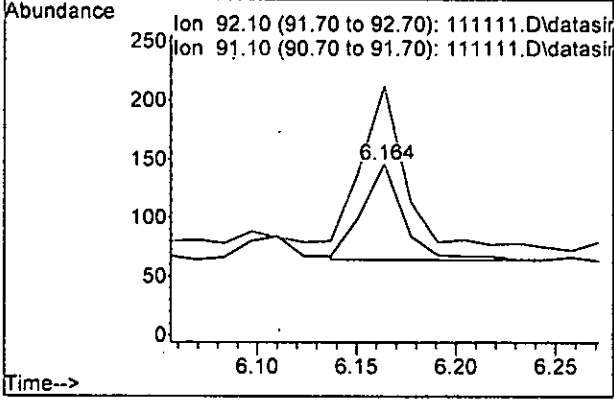
#32
 Trichloroethene
 Concen: 0.030 ppb
 RT: 5.053 min Scan# 407
 Delta R.T. -0.000 min
 Lab File: 111111.D
 Acq: 11 Nov 2022 11:36 am

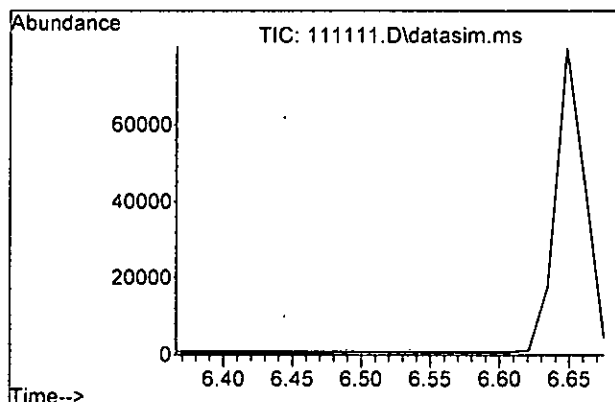
Tgt Ion	Ratio	Lower	Upper
95	100		
97	69.6	34.6	94.6
130	163.3	73.4	133.4#
132	149.4	65.8	125.8#



#40
 Toluene
 Concen: Below Cal
 RT: 6.164 min Scan# 505
 Delta R.T. -0.000 min
 Lab File: 111111.D
 Acq: 11 Nov 2022 11:36 am

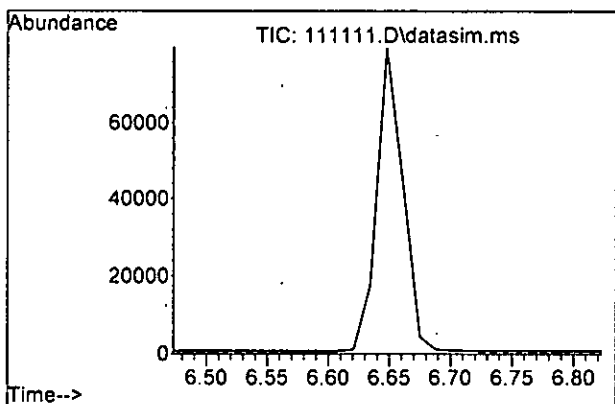
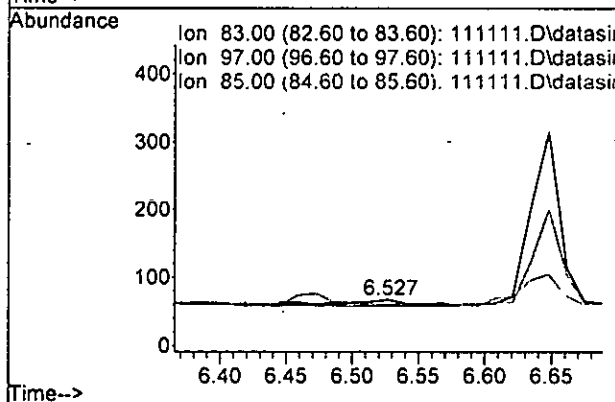
Tgt Ion	Ratio	Lower	Upper
92	100		
91	167.1	148.5	208.5





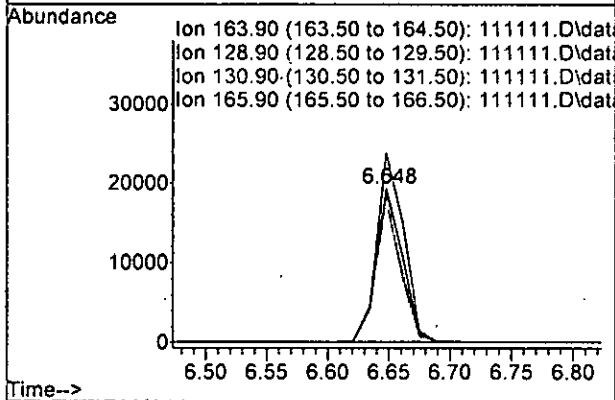
#42
 1,1,2-Trichloroethane
 Concen: Below Cal
 RT: 6.527 min Scan# 532
 Delta R.T. -0.000 min
 Lab File: 111111.D
 Acq: 11 Nov 2022 11:36 am

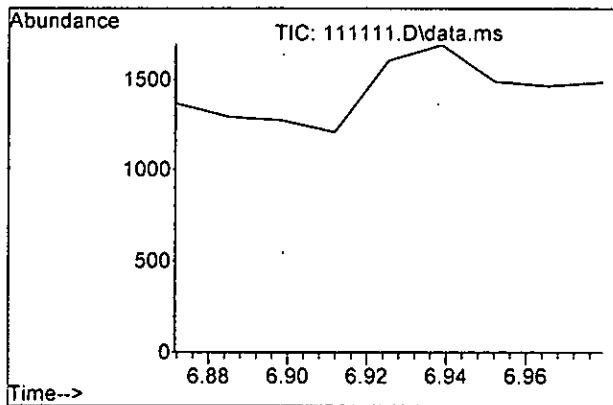
Tgt Ion	Resp	Lower	Upper
83	100		
97	62.5	88.0	148.0#
85	12.5	35.3	95.3#



#45
 Tetrachloroethene
 Concen: 7.010 ppb
 RT: 6.648 min Scan# 541
 Delta R.T. -0.000 min
 Lab File: 111111.D
 Acq: 11 Nov 2022 11:36 am

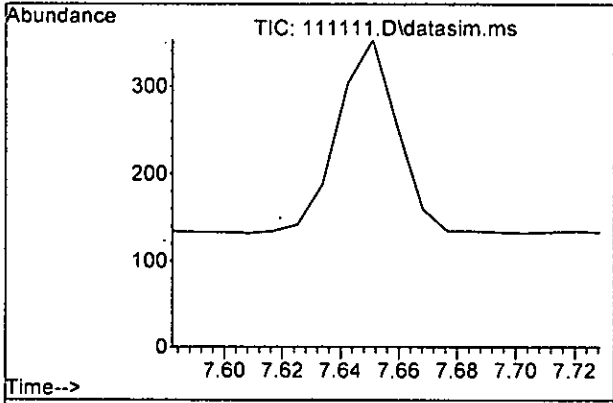
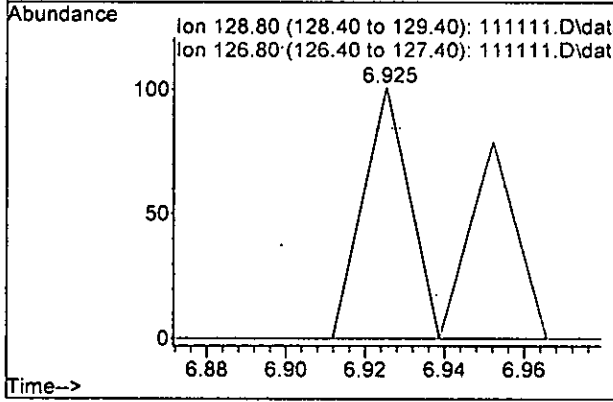
Tgt Ion	Resp	Lower	Upper
164	100		
129	94.0	72.1	132.1
131	89.9	64.8	124.8
166	123.3	90.0	150.0





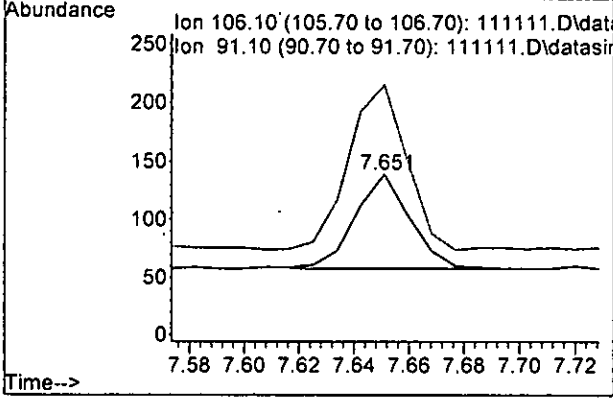
#46
 Dibromochloromethane
 Concen: Below Cal
 RT: 6.925 min Scan# 545
 Delta R.T. 0.040 min
 Lab File: 111111.D
 Acq: 11 Nov 2022 11:36 am

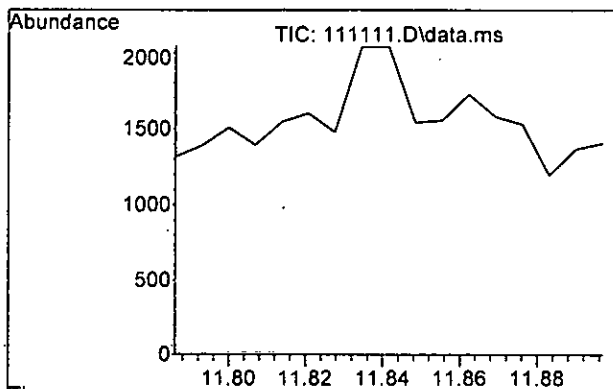
Tgt Ion	Ratio	Lower	Upper
129	100		
127	0.0	46.8	106.8#



#51
 m,p-Xylene
 Concen: 0.018 ppb
 RT: 7.651 min Scan# 635
 Delta R.T. 0.000 min
 Lab File: 111111.D
 Acq: 11 Nov 2022 11:36 am

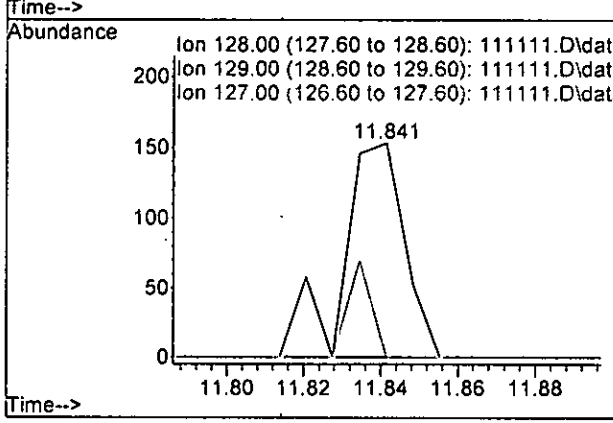
Tgt Ion	Ratio	Lower	Upper
106	100		
91	172.8	175.7	235.7#





#75
 Naphthalene
 Concen: 0.093 ppb
 RT: 11.841 min Scan# 1178
 Delta R.T: 0.006 min
 Lab File: 111111.D
 Acq: 11 Nov 2022 11:36 am

Tgt Ion	Ratio	Lower	Upper
128	100		
129	0.0	0.0	40.8
127	0.0	0.0	43.1



Data Path : Y:\Proc_GCMS13\11-11-22\
 Data File : 111111.D
 Acq On : 11 Nov 2022 11:36 am
 Operator : WE
 Sample : 211162-03 1/0.25
 Misc : soil
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 14 08:07:55 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 Qlast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	4.734	96	115075	10.000	ppb	-0.01	
39) Chlorobenzene-d5	7.405	117	102241	10.000	ppb	0.00	
56) 1,4-Dichlorobenzene-d4	9.624	152	62618	10.000	ppb	0.00	
System Monitoring Compounds							
3) Dibromofluoromethane	4.175	113	37233	10.089	ppb	0.00	
Spiked Amount	10.000	Range 50 - 150	Recovery	=	100.90%		
30) 1,2-Dichloroethane-d4	4.455	102	6860	9.592	ppb	0.00	
Spiked Amount	10.000	Range 84 - 120	Recovery	=	95.90%		
35) Toluene-d8	6.105	98	109214	9.951	ppb	0.00	
Spiked Amount	10.000	Range 73 - 128	Recovery	=	99.50%		
57) 4-Bromofluorobenzene	8.508	95	41008	9.504	ppb	0.00	
Spiked Amount	10.000	Range 57 - 146	Recovery	=	95.00%		
Target Compounds							
							Qvalue
2) Ethanol	2.341	45	232	No Calib			
4) Dichlorodifluoromethane	0.000		0	N.D.			
5) Chloromethane	1.271	50	1357	N.D.			
6) Vinyl chloride	0.000		0	N.D.			
7) Bromomethane	0.000		0	N.D. d			
8) Chloroethane	0.000		0	N.D.			
9) Trichlorofluoromethane	0.000		0	N.D.			
10) 2-Propanol	2.341	45	232	No Calib #			
11) Acetone	2.341	58	354	N.D.			
12) 1,1-Dichloroethene	0.000		0	N.D.			
13) Hexane	3.146	57	761	0.205 ppb		78	
14) Methylene chloride	2.682	84	3017	Below Cal		78	
15) t-Butyl alcohol (TBA)	0.000		0	N.D.			
16) Methyl t-butyl ether (...)	0.000		0	N.D.			
17) trans-1,2-Dichloroethene	0.000		0	N.D.			
18) Diisopropyl ether (DIPE)	0.000		0	N.D.			
19) 1,1-Dichloroethane	0.000		0	N.D.			
20) Ethyl t-butyl ether (E...)	0.000		0	N.D.			
21) 2,2-Dichloropropane	0.000		0	N.D. d			
22) cis-1,2-Dichloroethene	0.000		0	N.D.			
23) Chloroform	0.000		0	N.D.			
24) 2-Butanone (MEK)	3.805	43	719	0.242 ppb		55	
25) t-Amyl methyl ether (T...)	0.000		0	N.D.			
26] 1,2-Dichloroethane (EDC)	4.516	62	97	Below Cal		96	
27) 1,1,1-Trichloroethane	0.000		0	N.D.			
28) 1,1-Dichloropropene	0.000		0	N.D.			
29) Carbon tetrachloride	0.000		0	N.D.			
31) Benzene	4.504	78	79	N.D.			
32] Trichloroethene	5.053	95	126	0.030 ppb #		55	
33) 1,2-Dichloropropane	5.264	63	113	N.D.			
34) Bromodichloromethane	0.000		0	N.D.			
36) Dibromomethane	0.000		0	N.D.			

Data Path : Y:\Proc_GCMS13\11-11-22\
 Data File : 111111.D
 Acq On : 11 Nov 2022 11:36 am
 Operator : WE
 Sample : 211162-03 1/0.25
 Misc : soil
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS13

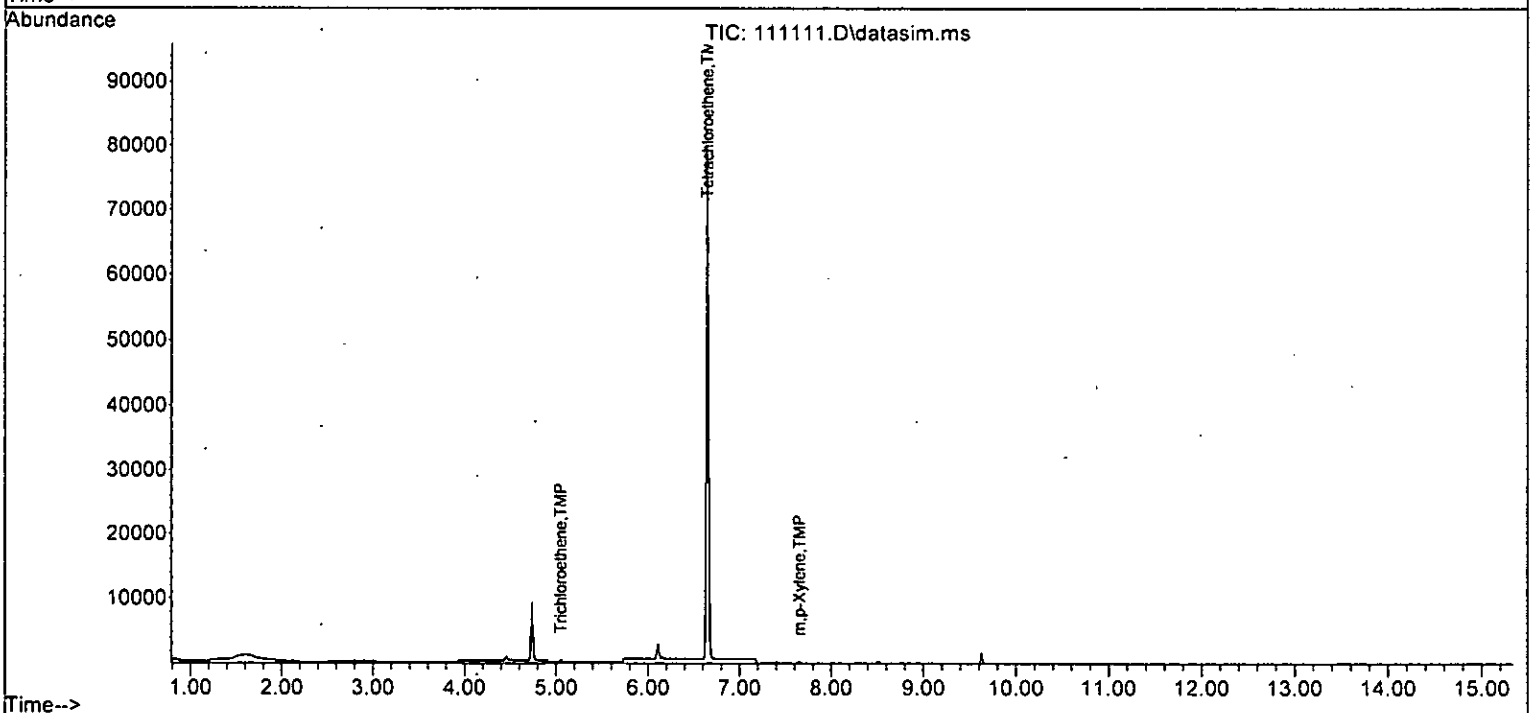
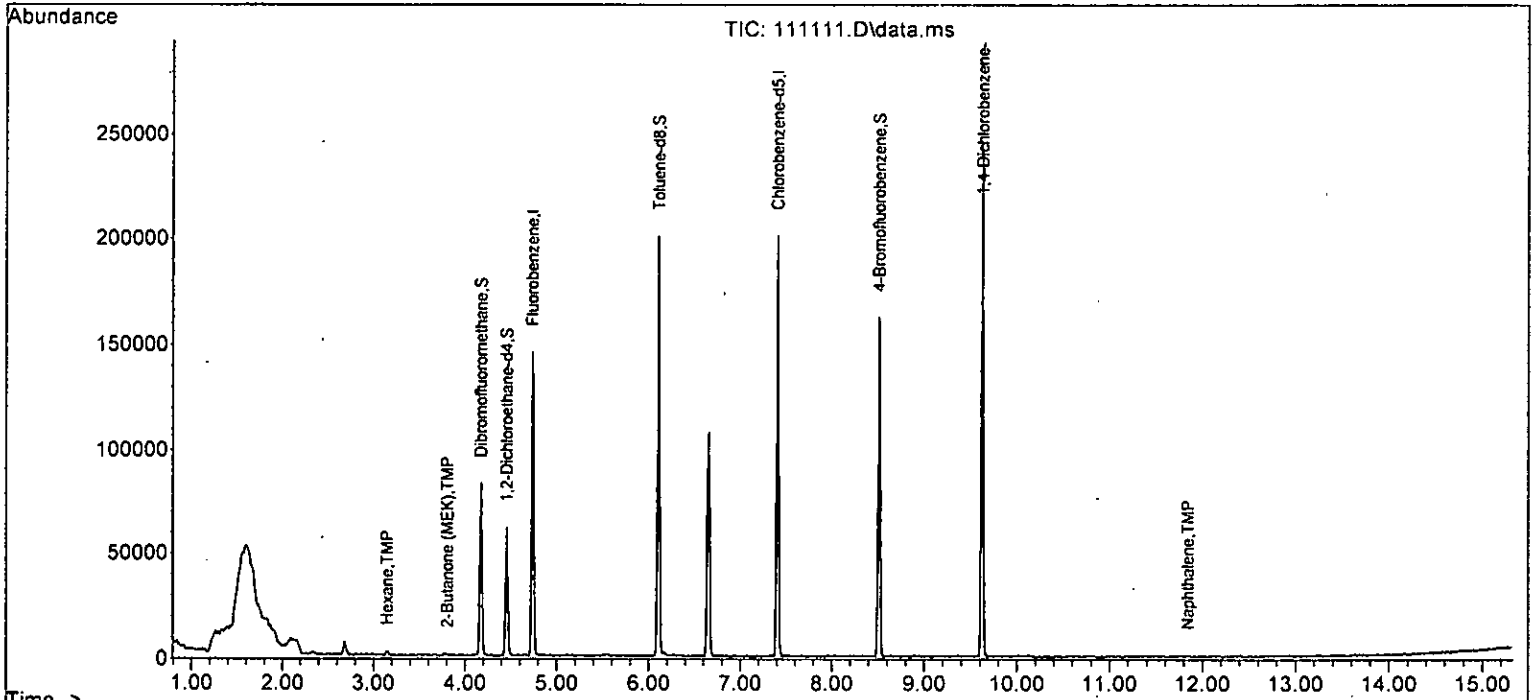
Quant Time: Nov 14 08:07:55 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.000		0		N.D.	
38) cis-1,3-Dichloropropene	0.000		0		N.D.	
40] Toluene	6.164	92	119		Below Cal	92
41) trans-1,3-Dichloropropene	0.000		0		N.D. d	
42] 1,1,2-Trichloroethane	6.527	83	29		Below Cal #	44
43) 2-Hexanone	0.000		0		N.D. d	
44) 1,3-Dichloropropane	0.000		0		N.D.	
45] Tetrachloroethene	6.648	164	28306		7.010 ppb	95
46) Dibromochloromethane	6.925	129	81		Below Cal #	11
47) 1,2-Dibromoethane (EDB)	0.000		0		N.D.	
48) Chlorobenzene	0.000		0		N.D.	
49) Ethylbenzene	7.539	91	106		N.D.	
50) 1,1,1,2-Tetrachloroethane	0.000		0		N.D.	
51] m,p-Xylene	7.651	106	112		0.018 ppb #	79
52) o-Xylene	8.022	106	44		N.D.	
53) Styrene	8.025	104	28		N.D.	
54) Isopropylbenzene	8.370	105	90		N.D.	
55) Bromoform	0.000		0		N.D.	
58) n-Propylbenzene	8.758	91	156		N.D.	
59) Bromobenzene	0.000		0		N.D.	
60) 1,3,5-Trimethylbenzene	8.939	105	107		N.D.	
61) 1,1,2,2-Tetrachloroethane	0.000		0		N.D.	
62) 1,2,3-Trichloropropane	8.878	75	64		N.D.	
63) 2-Chlorotoluene	8.758	91	156		N.D.	
64) 4-Chlorotoluene	8.947	91	143		N.D.	
65) tert-Butylbenzene	9.257	119	49		N.D.	
66) 1,2,4-Trimethylbenzene	9.298	105	168		N.D.	
67) sec-Butylbenzene	9.464	105	183		N.D.	
68) p-Isopropyltoluene	9.617	119	79		N.D.	
69) 1,3-Dichlorobenzene	9.561	146	131		N.D.	
70) 1,4-Dichlorobenzene	9.645	146	81		N.D.	
71) 1,2-Dichlorobenzene	0.000		0		N.D.	
72) 1,2-Dibromo-3-chloropr...	10.622	75	25		N.D.	
73) 1,2,4-Trichlorobenzene	11.585	180	24		N.D.	
74) Hexachlorobutadiene	0.000		0		N.D.	
75) Naphthalene	11.841	128	170		0.093 ppb	69
76) 1,2,3-Trichlorobenzene	12.077	180	61		N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS13\11-11-22\
 Data File : 111111.D
 Acq On : 11 Nov 2022 11:36 am
 Operator : WE
 Sample : 211162-03 1/0.25
 Misc : soil
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS13

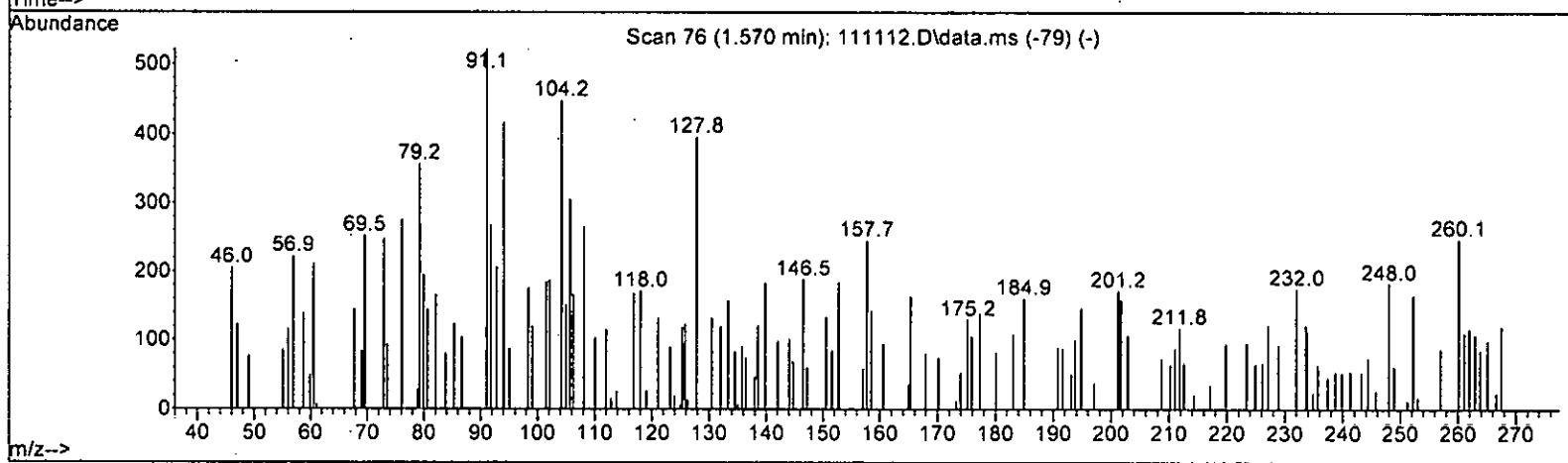
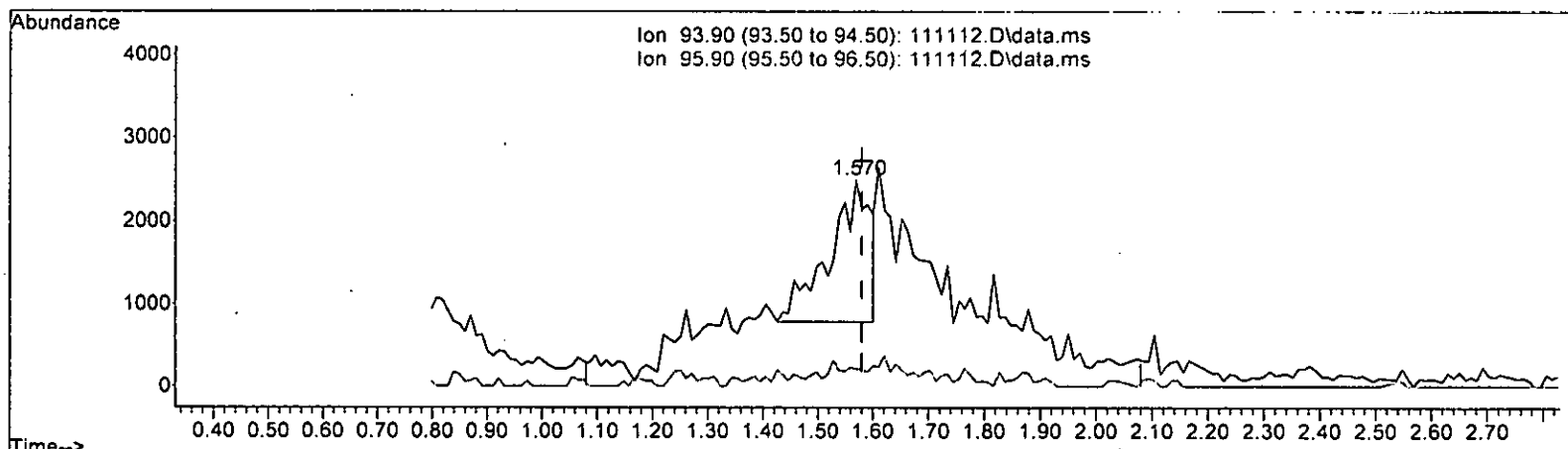
Quant Time: Nov 14 08:07:55 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-11-22\
 Data File : 111112.D
 Acq On : 11 Nov 2022 11:59 am
 Operator : WE
 Sample : 211162-04 1/0.25
 Misc : soil
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 14 08:07:59 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth: VM080322.M



TIC: 111112.D\data.ms

(7) Bromomethane (TMP)

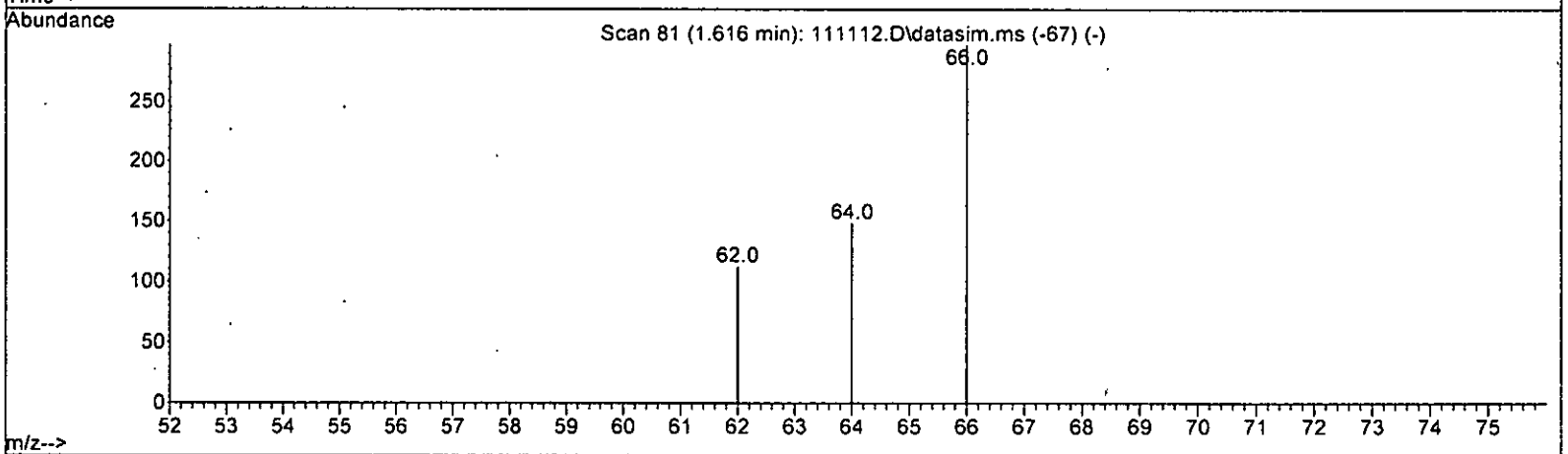
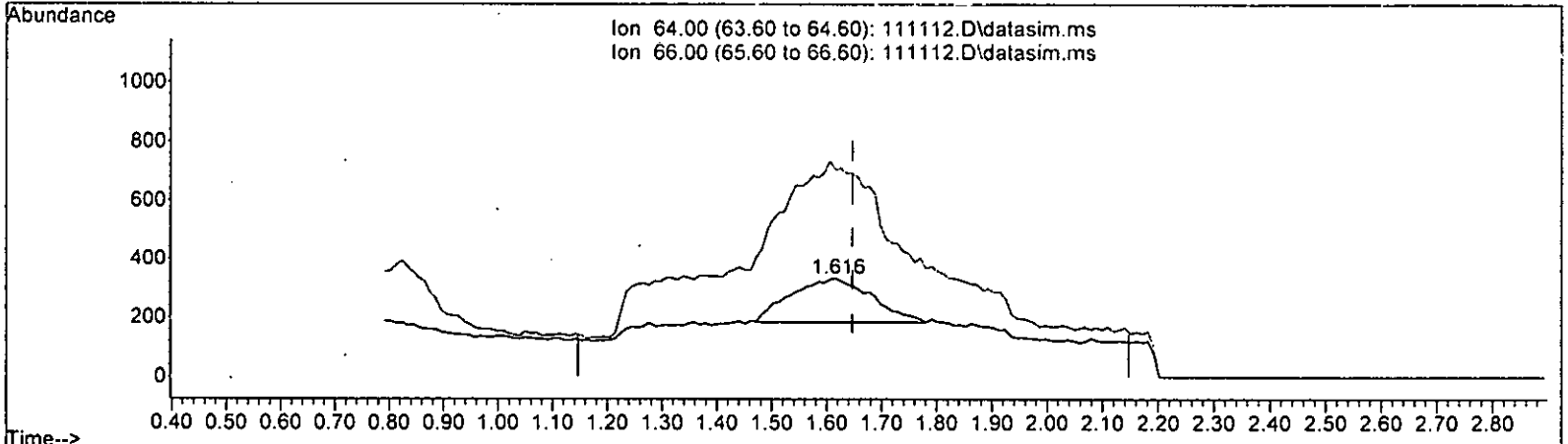
1.570min (-0.010) 1.729 ppb

response	8745
Ion	Exp% Act%
93.90	100.00 100.00
95.90	93.50 0.94#
0.00	0.00 0.00
0.00	0.00 0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-11-22\
 Data File : 111112.D
 Acq On : 11 Nov 2022 11:59 am
 Operator : WE
 Sample : 211162-04 1/0.25
 Misc : soil
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 14 08:07:59 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 Qlast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth: VM080322.M



TIC: 111112.D\data.ms

(8) Chloroethane (TMP)

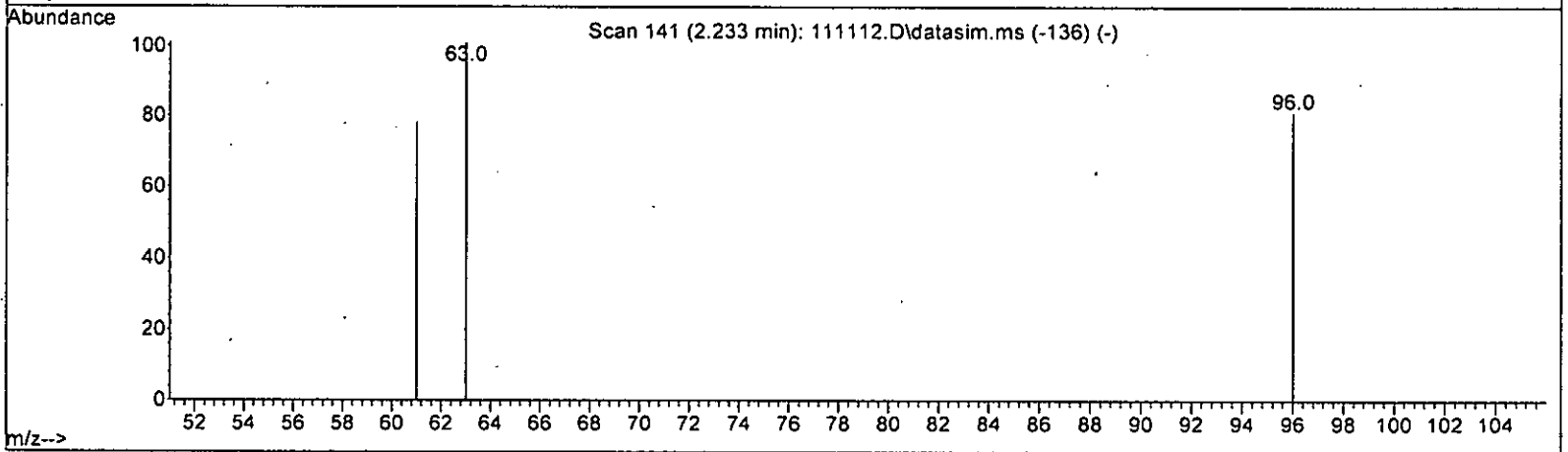
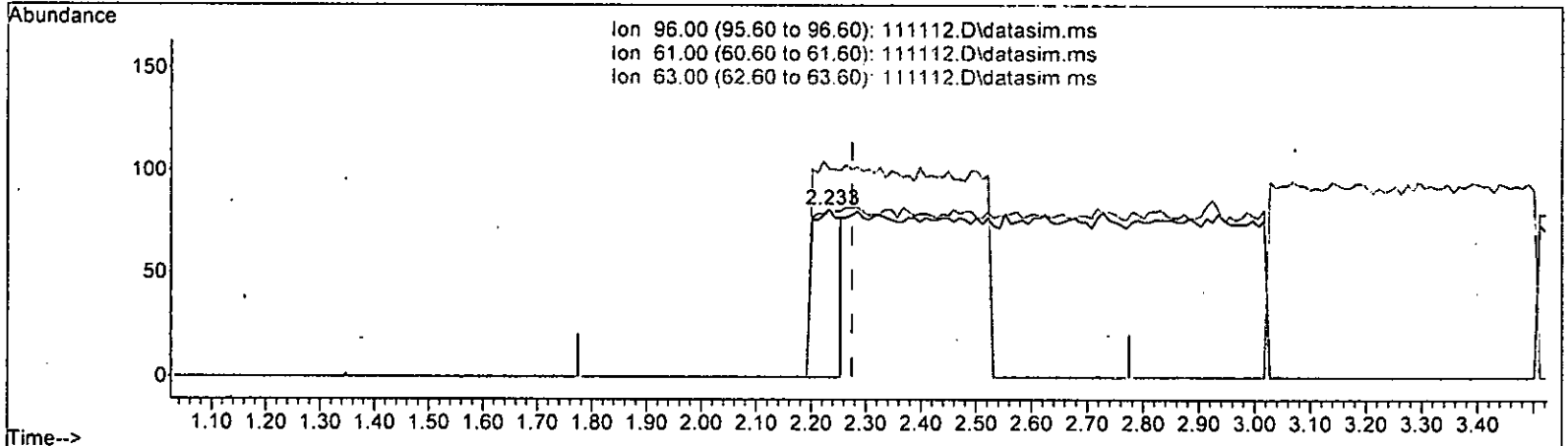
1.616min (-0.031) 0.570 ppb

response	1525	
Ion	Exp%	Act%
64.00	100.00	100.00
66.00	30.90	223.33#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-11-22\
 Data File : 111112.D
 Acq On : 11 Nov 2022 11:59 am
 Operator : WE
 Sample : 211162-04 1/0.25
 Misc : soil
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 14 08:07:59 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 111112.D\data.ms

(12) 1,1-Dichloroethene (TMP)

2.233min (-0.042) 0.086 ppb

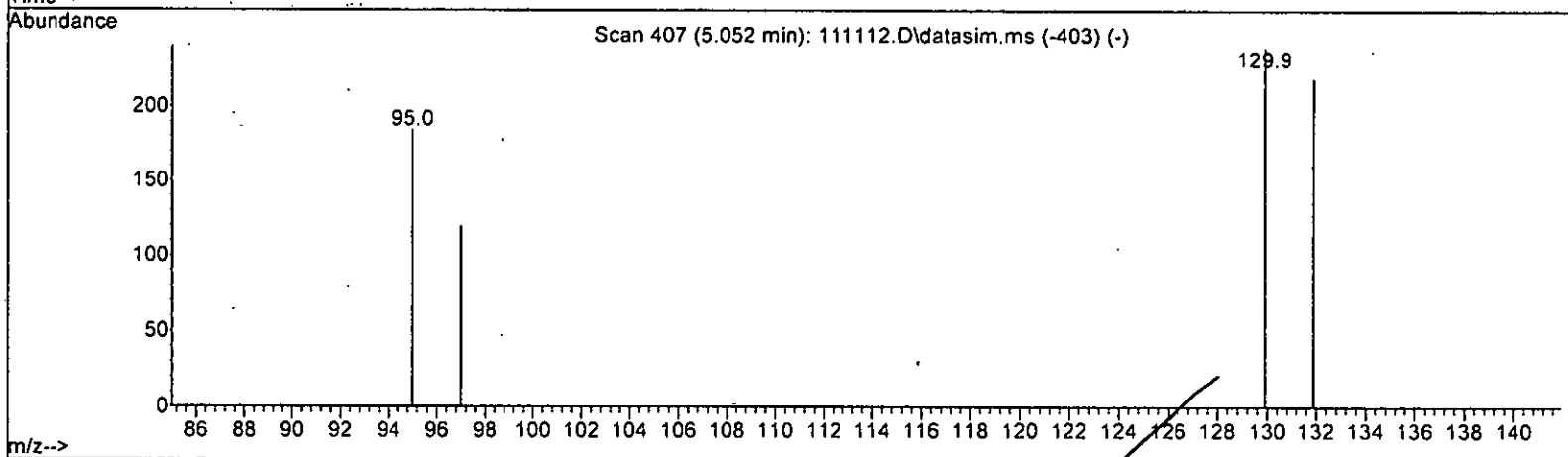
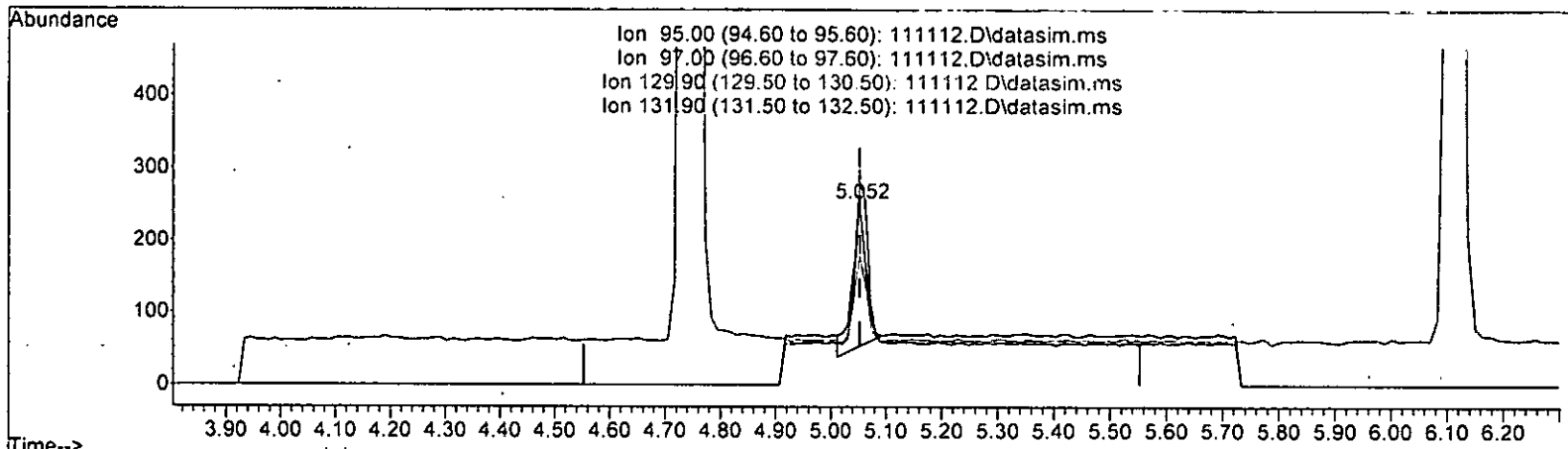
response 287

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	120.90	96.30
63.00	43.90	124.69#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-11-22\
 Data File : 111112.D
 Acq On : 11 Nov 2022 11:59 am
 Operator : WE
 Sample : 211162-04 1/0.25
 Misc : soil
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 14 08:07:59 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 111112.D\data.ms

11.14.22

(32) Trichloroethene (TME)

5.052min (-0.001) 0.078 ppb

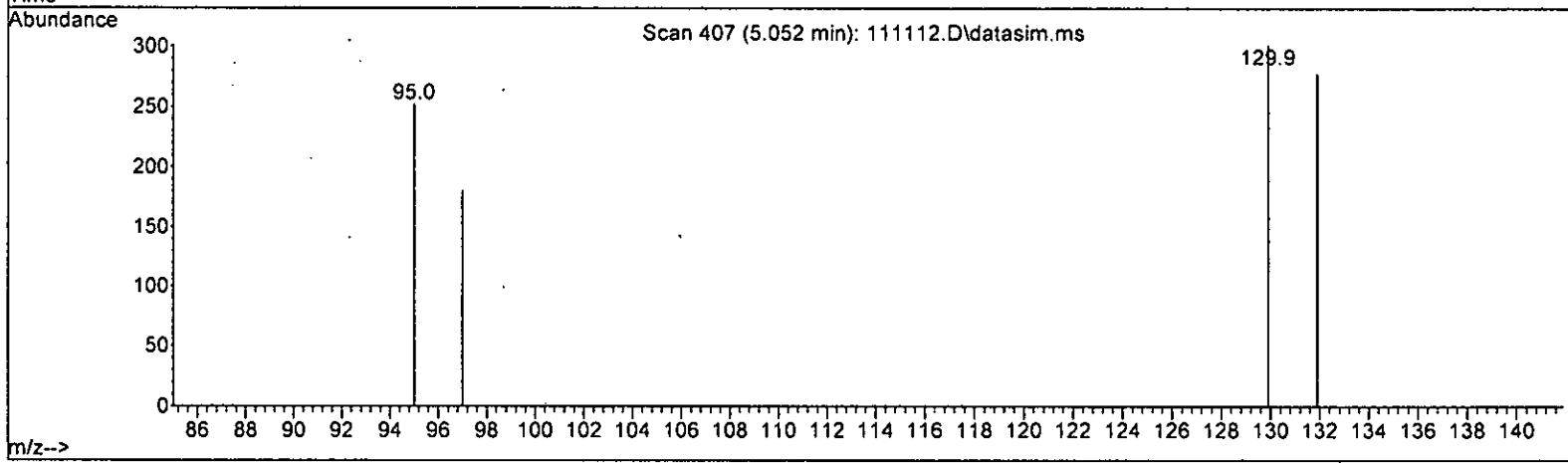
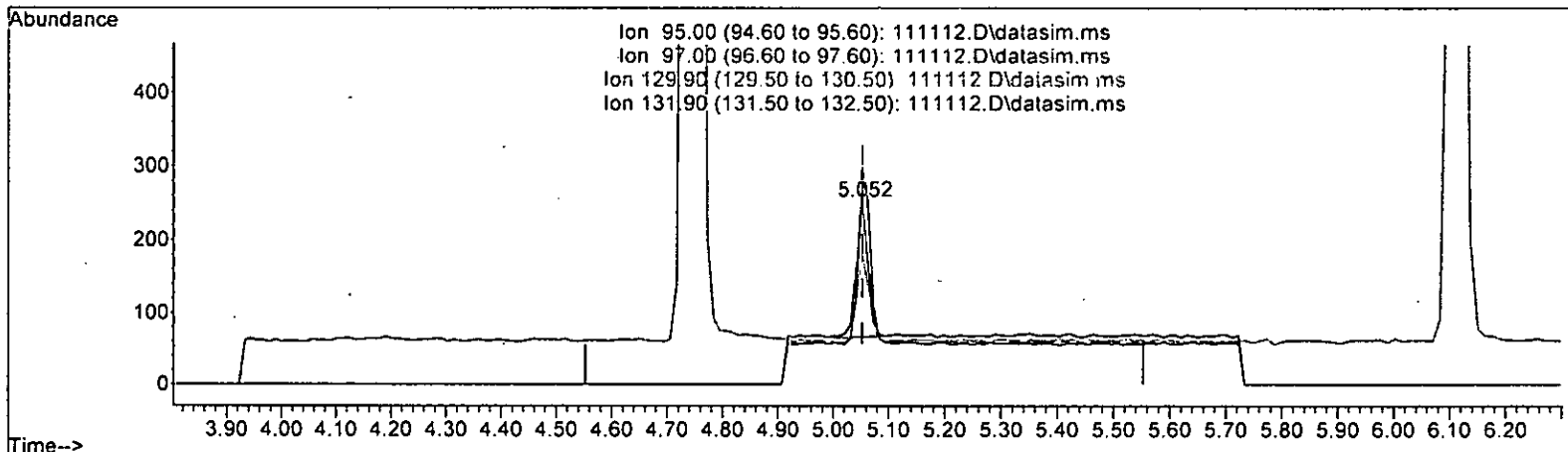
response 333

Ion	Exp%	Act%
95.00	100.00	100.00
97.00	64.60	65.22
129.90	103.40	130.98
131.90	95.80	119.02

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-11-22\
 Data File : 111112.D
 Acq On : 11 Nov 2022 11:59 am
 Operator : WE
 Sample : 211162-04 1/0.25
 Misc : soil
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 14 08:07:59 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 111112.D\data.ms

(32) Trichloroethene (TME) *us 11.14.22*

5.052min (-0.001) 0.063 ppb m

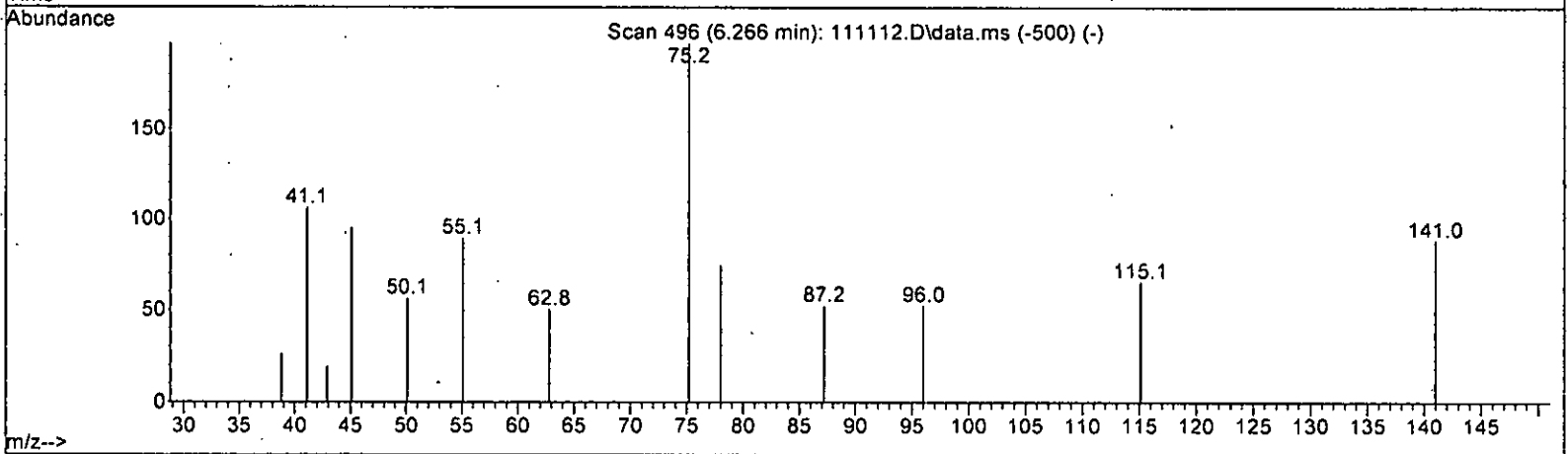
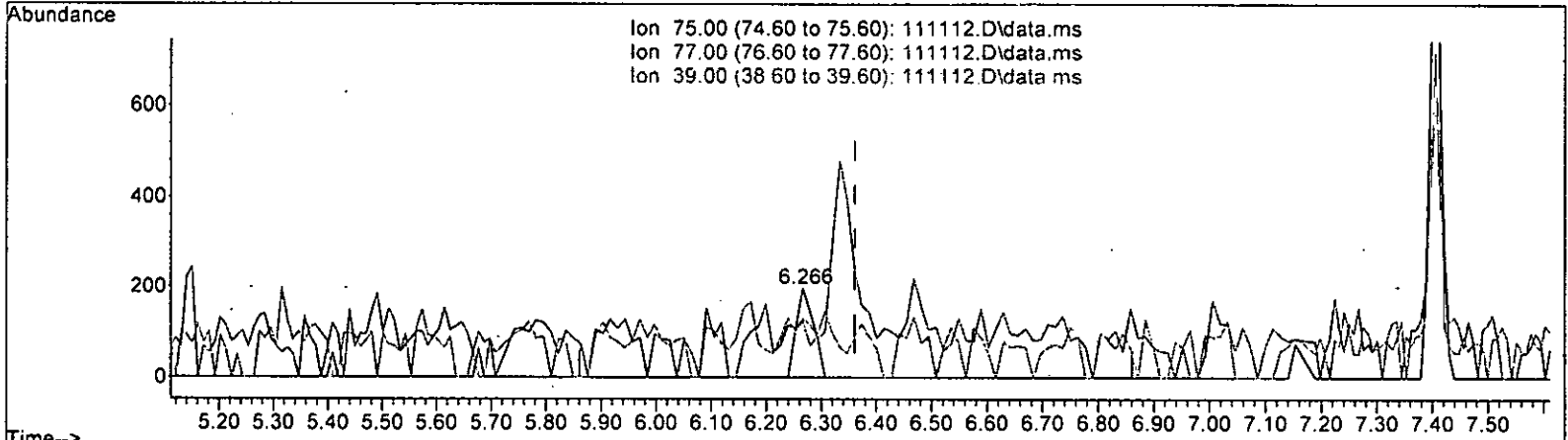
response 271

Ion	Exp%	Act%
95.00	100.00	100.00
97.00	64.60	71.43
129.90	103.40	119.44
131.90	95.80	109.92

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-11-22\
 Data File : 111112.D
 Acq On : 11 Nov 2022 11:59 am
 Operator : WE
 Sample : 211162-04 1/0.25
 Misc : soil
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 14 08:07:59 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 111112.D\data.ms

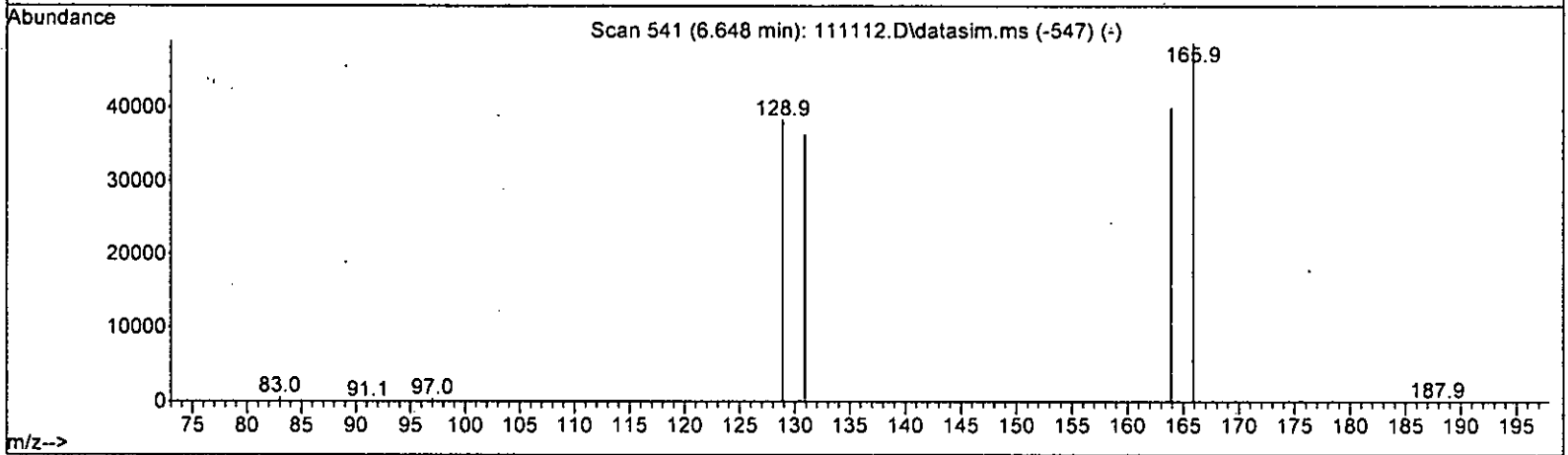
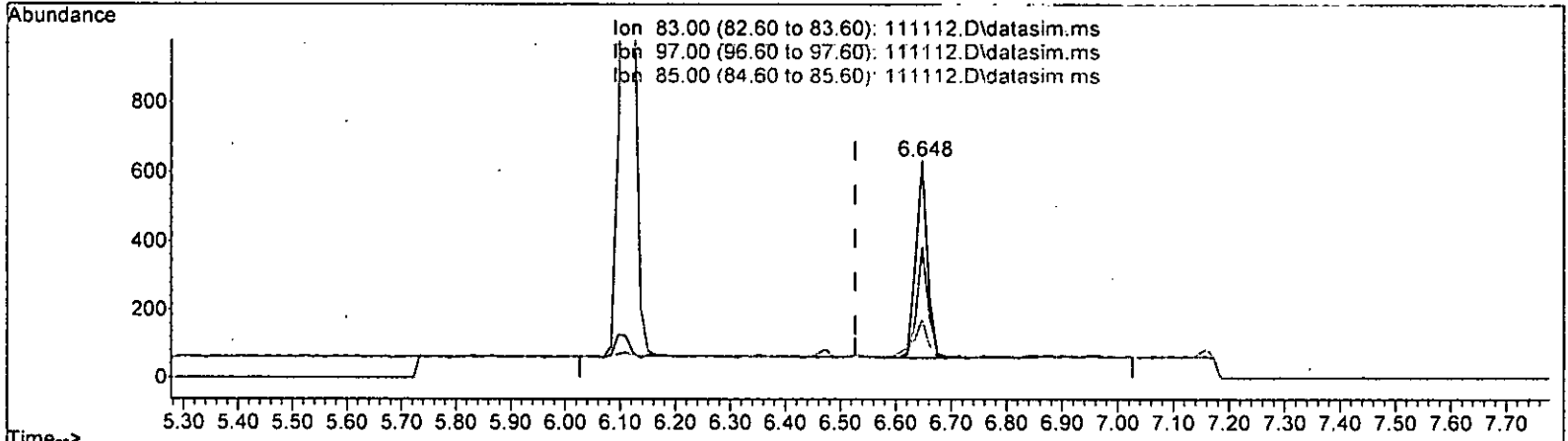
(41) trans-1,3-Dichloropropene (TMP)
 6.266min (-0.095) 0.125 ppb

response	426	
Ion	Exp%	Act%
75.00	100.00	100.00
77.00	32.60	28.93
39.00	46.30	18.27
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-11-22\
 Data File : 111112.D
 Acq On : 11 Nov 2022 11:59 am
 Operator : WE
 Sample : 211162-04 1/0.25
 Misc : soil
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 14 08:07:59 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 111112.D\data.ms

(42) 1,1,2-Trichloroethane (TMP)

6.648min (+ 0.121) 0.307 ppb

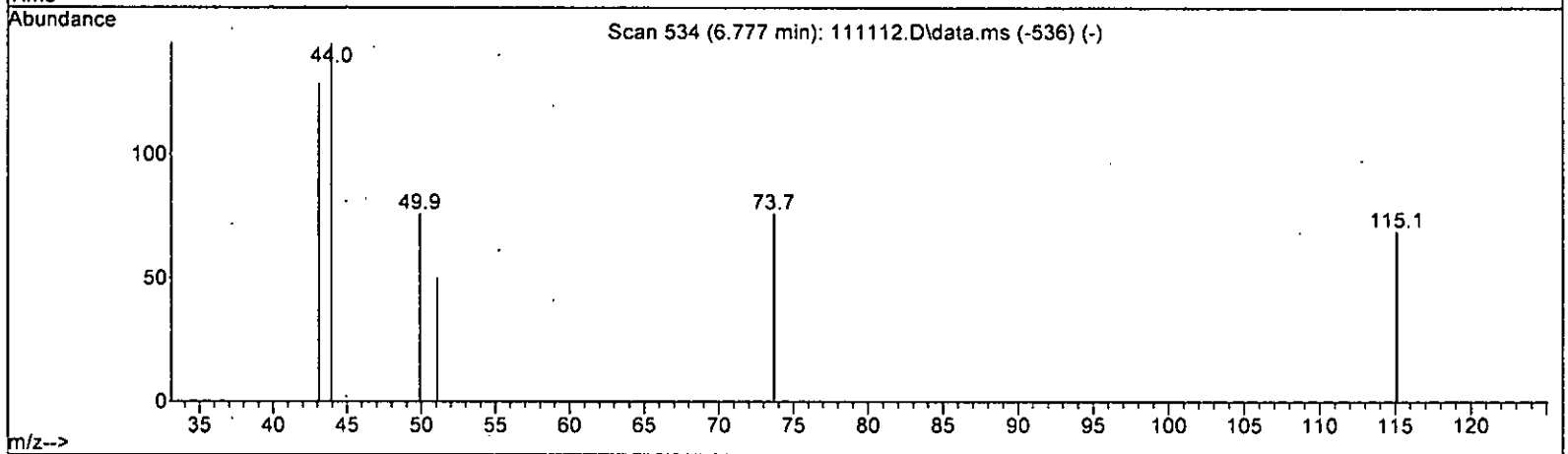
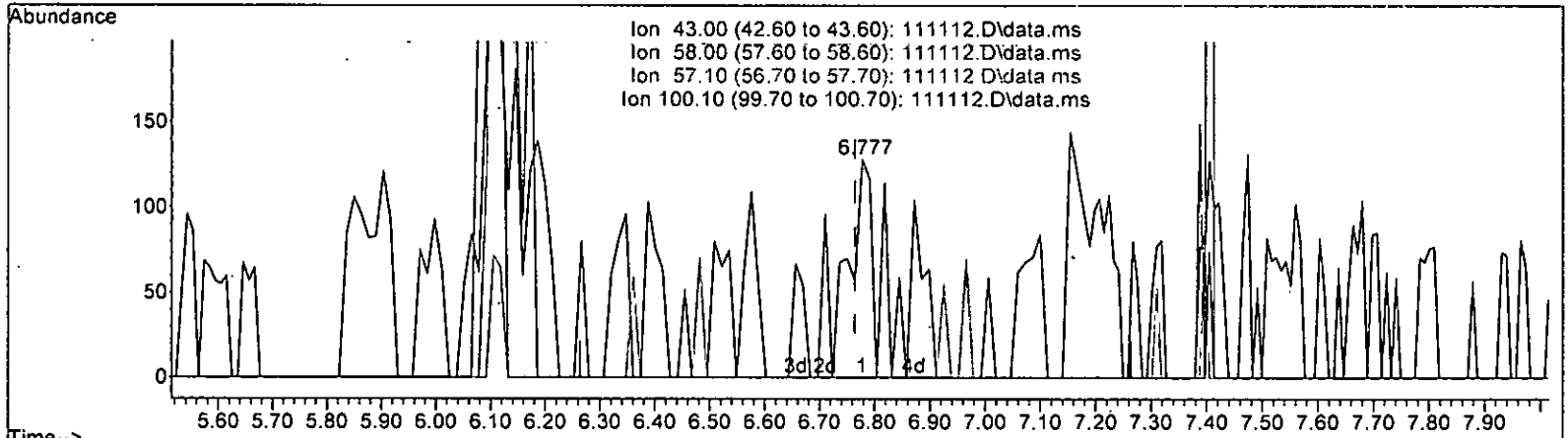
response 843

Ion	Exp%	Act%
83.00	100.00	100.00
97.00	118.00	56.20#
85.00	65.30	19.37#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-11-22\
 Data File : 111112.D
 Acq On : 11 Nov 2022 11:59 am
 Operator : WE
 Sample : 211162-04 1/0.25
 Misc : soil
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 14 08:07:59 2022
 Quant Method : Y:\Method5\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 111112.D\data.ms

(43) 2-Hexanonè (TMP)		
6.777min (+ 0.013)	0.184	ppb
response	354	
Ion	Exp%	Act%
43.00	100.00	100.00
58.00	51.50	0.00#
57.10	16.30	0.00
100.10	10.20	0.00

Data Path : Y:\Proc_GCMS13\11-11-22\
 Data File : 111112.D
 Acq On : 11 Nov 2022 11:59 am
 Operator : WE
 Sample : 211162-04 1/0.25
 Misc : soil
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 14 08:07:59 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

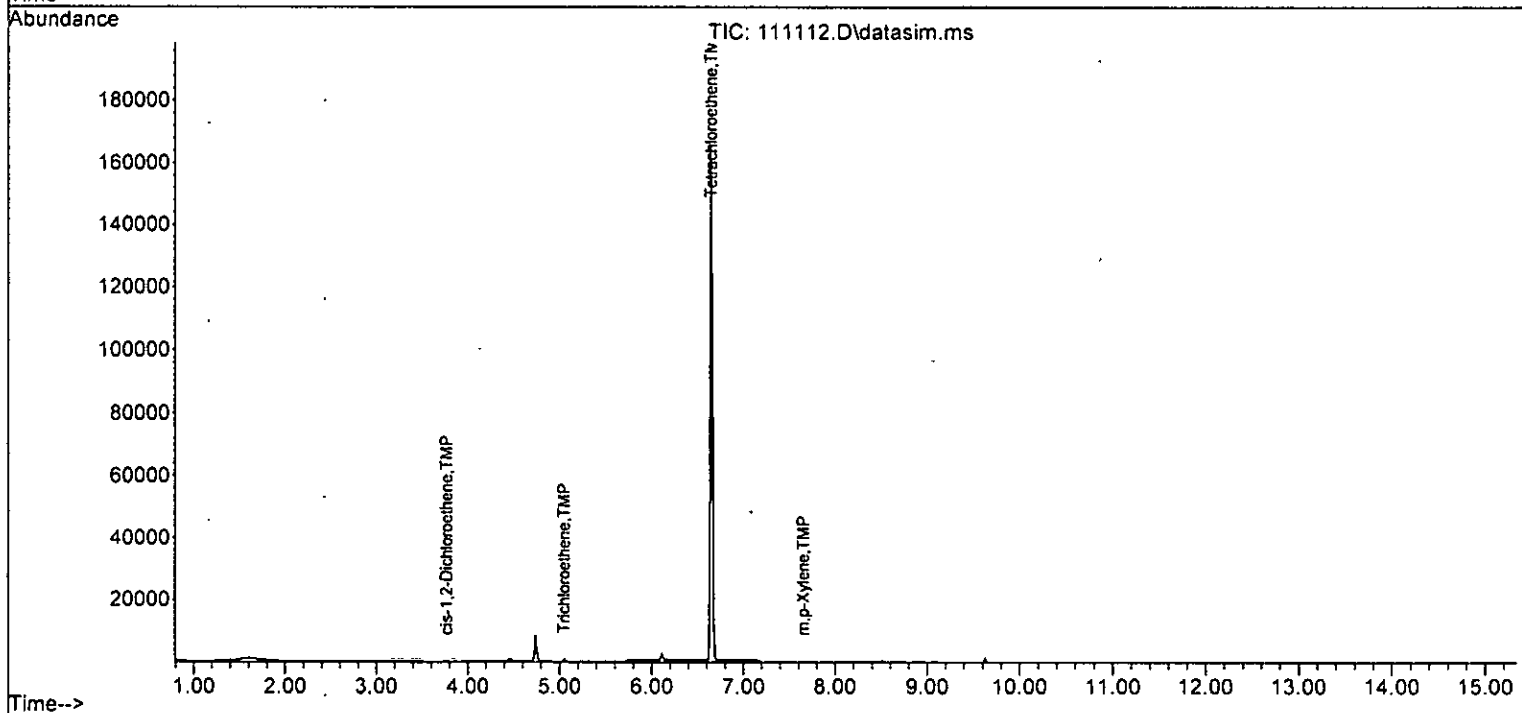
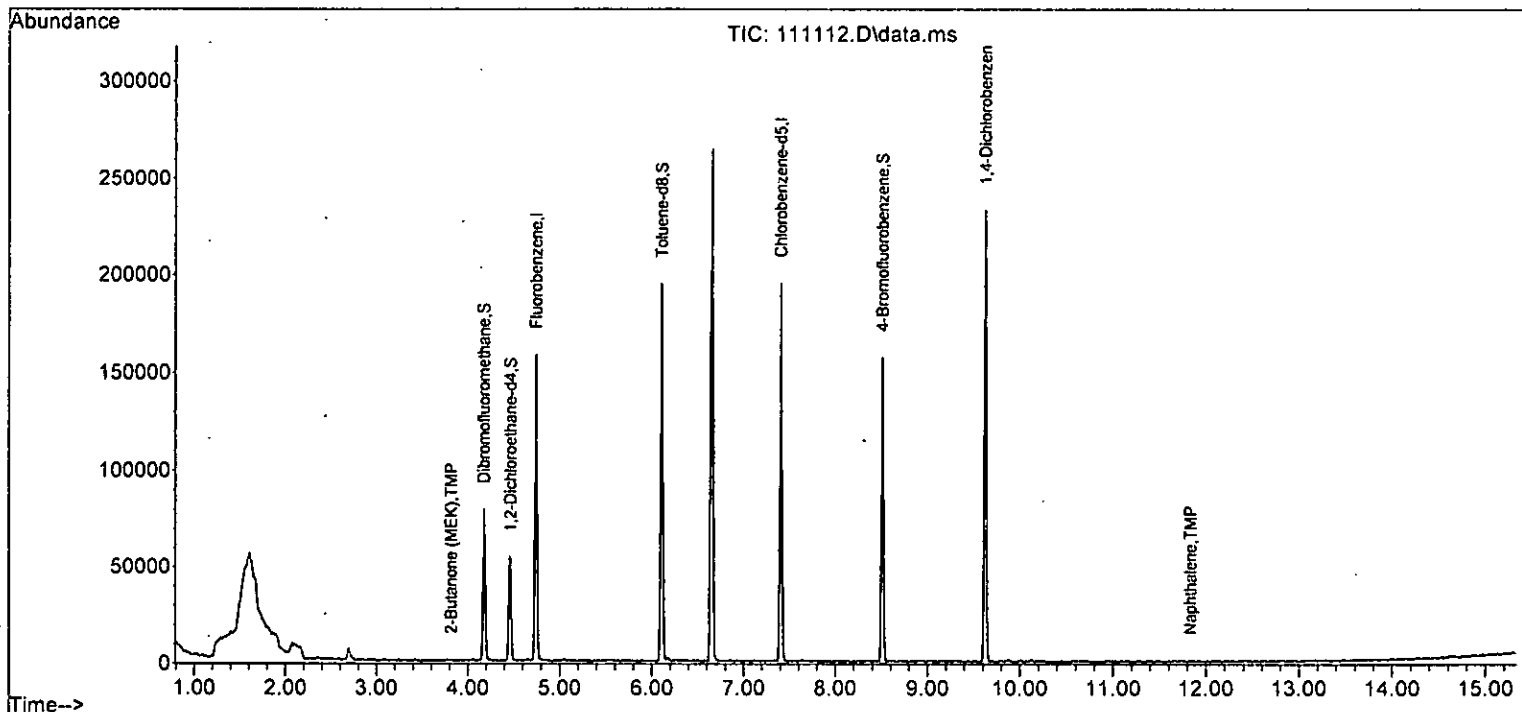
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

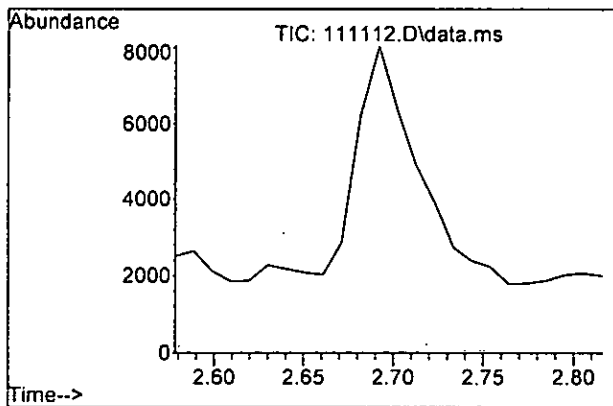
Internal Standards						
1) Fluorobenzene	4.745	96	117076	10.000	ppb	0.00
39) Chlorobenzene-d5	7.405	117	101597	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.624	152	61227	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.175	113	37392	9.959	ppb	0.00
Spiked Amount	10.000	Range	50 - 150	Recovery	=	99.60%
30) 1,2-Dichloroethane-d4	4.466	102	6817	9.369	ppb	0.01
Spiked Amount	10.000	Range	84 - 120	Recovery	=	93.70%
35) Toluene-d8	6.105	98	112249	10.053	ppb	0.00
Spiked Amount	10.000	Range	73 - 128	Recovery	=	100.50%
57) 4-Bromofluorobenzene	8.508	95	41924	9.937	ppb	0.00
Spiked Amount	10.000	Range	57 - 146	Recovery	=	99.40%
Target Compounds						
14) Methylene chloride	2.692	84	3037	Below Cal		95
22] cis-1,2-Dichloroethene	3.769	96	110	0.028	ppb	91
24) 2-Butanone (MEK)	3.815	43	692	0.215	ppb	55
26] 1,2-Dichloroethane (EDC)	4.527	62	95	Below Cal		95
32] Trichloroethene	5.052	95	271m	0.063	ppb	
40] Toluene	6.164	92	117	Below Cal		90
45] Tetrachloroethene	6.648	164	64015	15.935	ppb	96
46) Dibromochloromethane	6.818	129	41	Below Cal	#	11
51] m,p-Xylene	7.651	106	126	0.020	ppb	83
75) Naphthalene	11.834	128	203	0.096	ppb	69

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS13\11-11-22\
Data File : 111112.D
Acq On : 11 Nov 2022 11:59 am
Operator : WE
Sample : 211162-04 1/0.25
Misc : soil
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS13

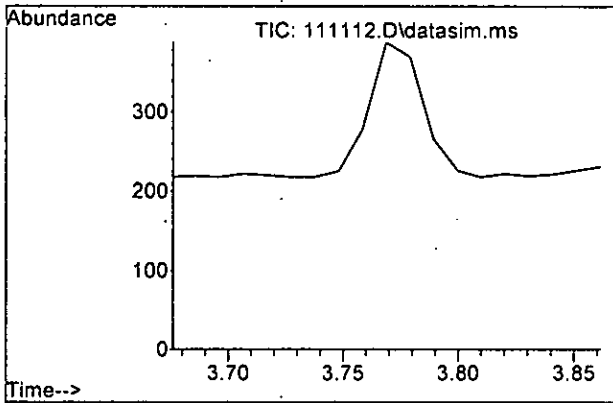
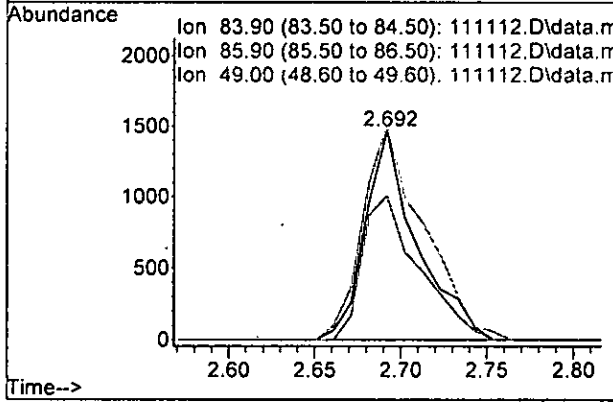
Quant Time: Nov 14 08:07:59 2022
Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
QLast Update : Mon Nov 07 15:16:10 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M





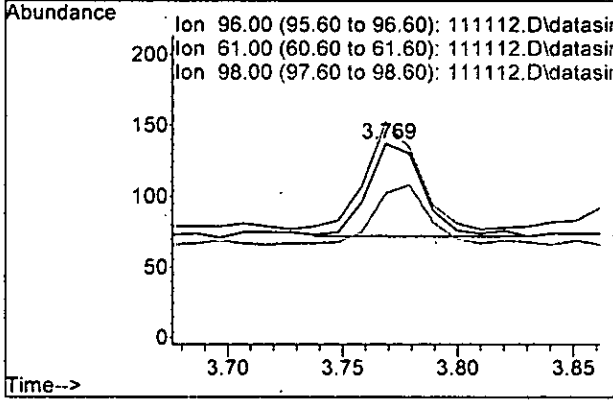
#14
 Methylene chloride
 Concen: Below Cal
 RT: 2.692 min Scan# 179
 Delta R.T. 0.010 min
 Lab File: 111112.D
 Acq: 11 Nov 2022 11:59 am

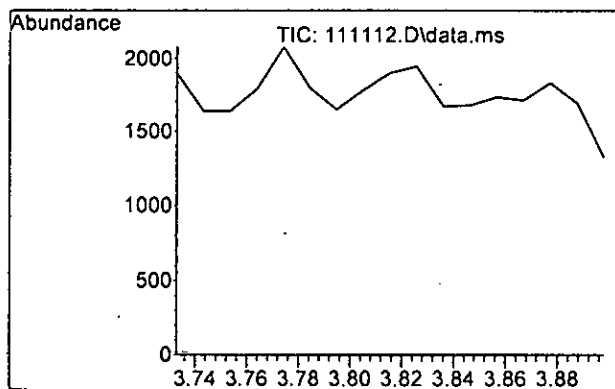
Tgt Ion	Ratio	Lower	Upper
84	100		
86	68.8	37.1	97.1
49	103.3	81.3	141.3



#22
 cis-1,2-Dichloroethene
 Concen: 0.028 ppb
 RT: 3.769 min Scan# 290
 Delta R.T. -0.000 min
 Lab File: 111112.D
 Acq: 11 Nov 2022 11:59 am

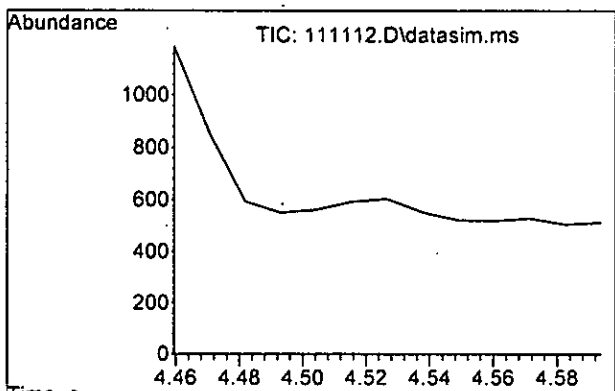
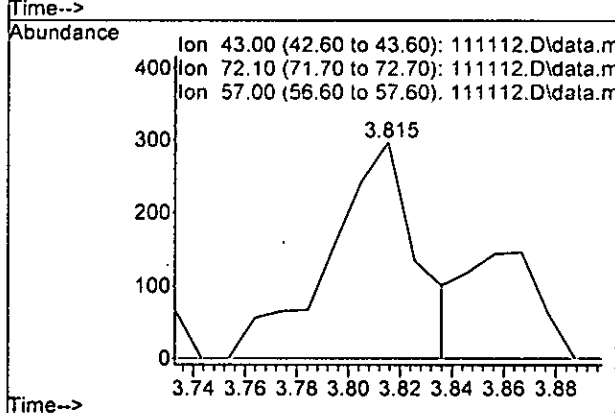
Tgt Ion	Ratio	Lower	Upper
96	100		
61	112.3	92.3	152.3
98	53.8	32.0	92.0





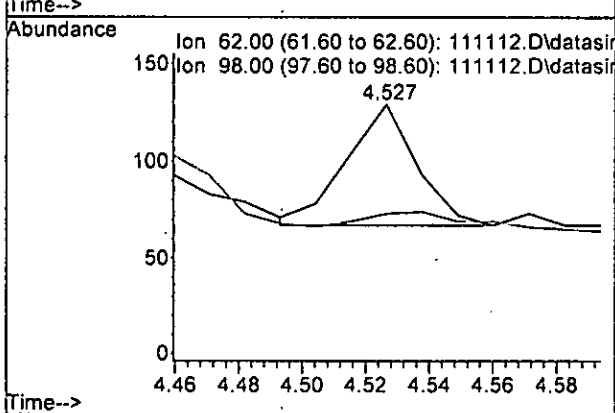
#24
 2-Butanone (MEK)
 Concen: 0.215 ppb
 RT: 3.815 min Scan# 284
 Delta R.T. 0.020 min
 Lab File: 111112.D
 Acq: 11 Nov 2022 11:59 am

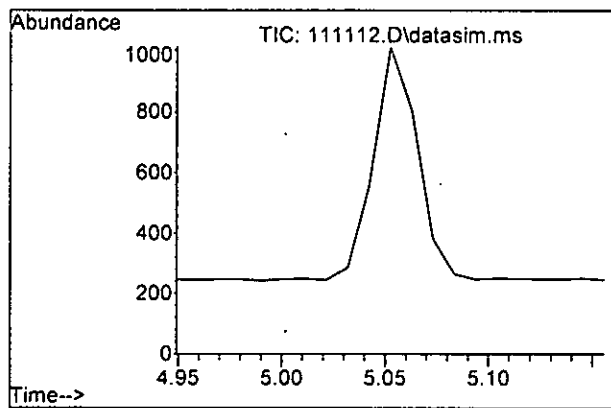
Tgt Ion	Ratio	Lower	Upper
43	100		
72	0.0	0.0	57.0
57	0.0	0.0	28.0



#26
 1,2-Dichloroethane (EDC)
 Concen: Below Cal
 RT: 4.527 min Scan# 359
 Delta R.T. -0.000 min
 Lab File: 111112.D
 Acq: 11 Nov 2022 11:59 am

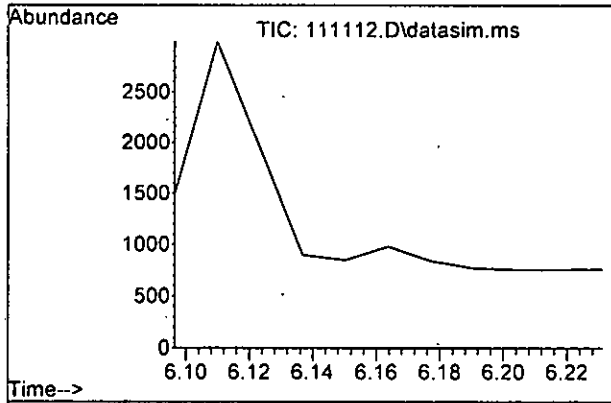
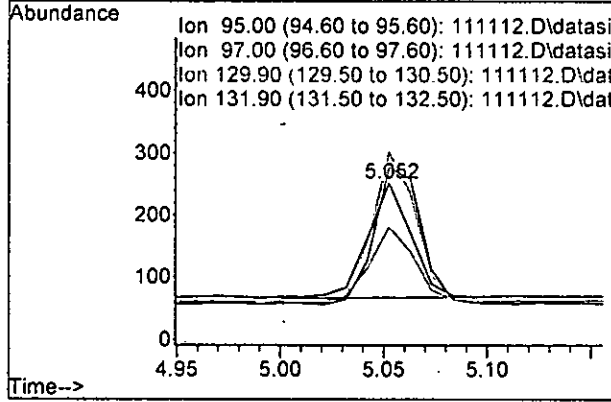
Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.1	0.0	40.1





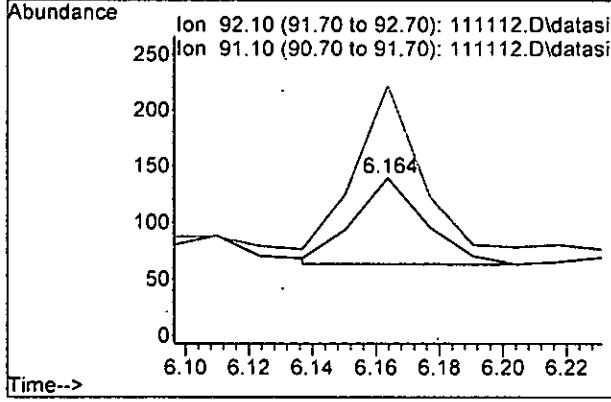
#32
 Trichloroethene
 Concen: 0.063 ppb m
 RT: 5.052 min Scan# 407
 Delta R.T. -0.001 min
 Lab File: 111112.D
 Acq: 11 Nov 2022 11:59 am

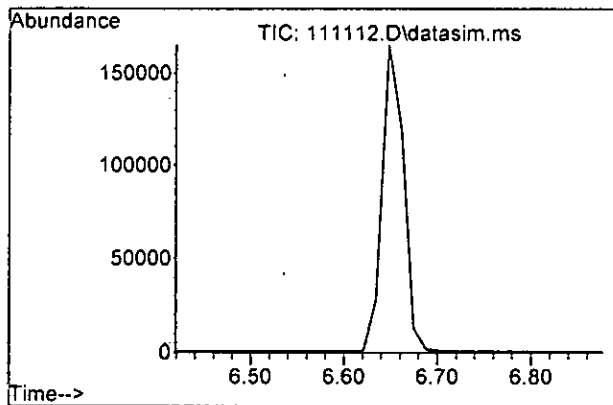
Tgt Ion	Ratio	Lower	Upper
95	100		
97	71.4	34.6	94.6
130	119.4	73.4	133.4
132	109.9	65.8	125.8



#40
 Toluene
 Concen: Below Cal
 RT: 6.164 min Scan# 505
 Delta R.T. -0.000 min
 Lab File: 111112.D
 Acq: 11 Nov 2022 11:59 am

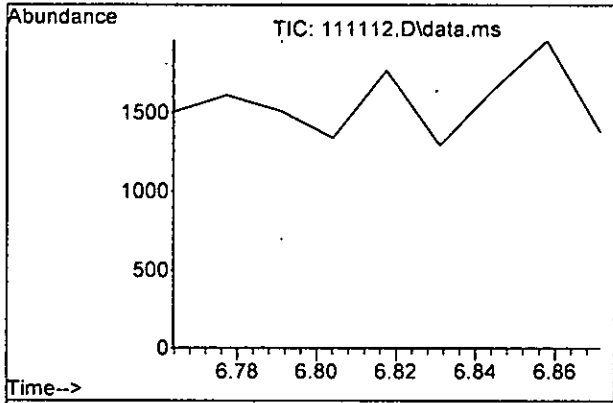
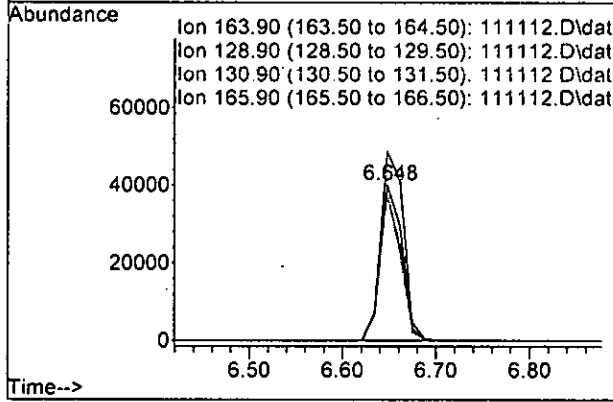
Tgt Ion	Ratio	Lower	Upper
92	100		
91	192.1	148.5	208.5





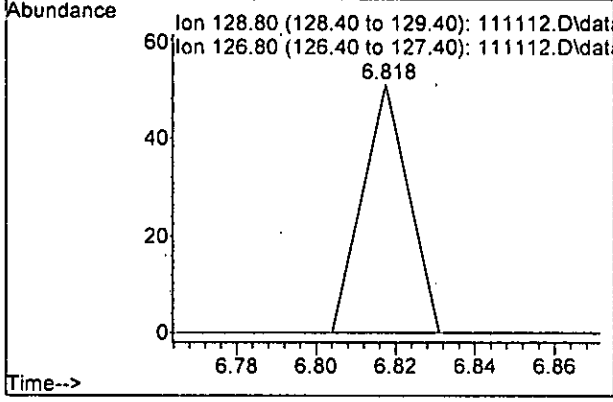
#45
 Tetrachloroethene
 Concen: 15.935 ppb
 RT: 6.648 min Scan# 541
 Delta R.T. -0.000 min
 Lab File: 111112.D
 Acq: 11 Nov 2022 11:59 am

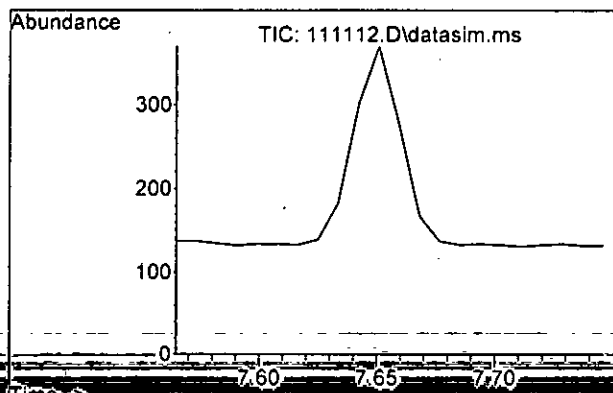
Tgt Ion	Ratio	Lower	Upper
164	100		
129	95.7	72.1	132.1
131	90.7	64.8	124.8
166	121.9	90.0	150.0



#46
 Dibromochloromethane
 Concen: Below Cal
 RT: 6.818 min Scan# 537
 Delta R.T. -0.067 min
 Lab File: 111112.D
 Acq: 11 Nov 2022 11:59 am

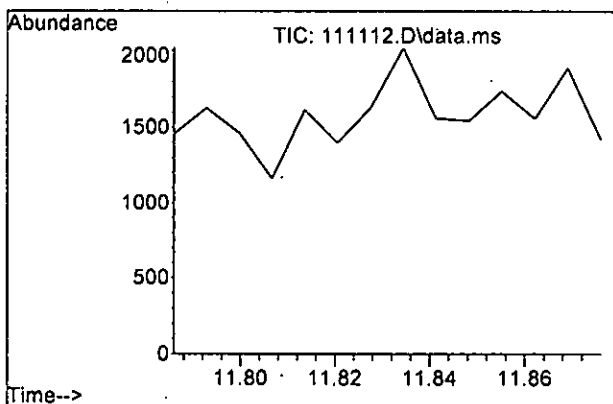
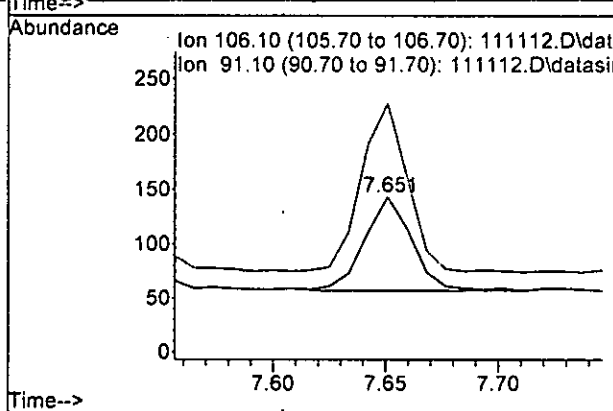
Tgt Ion	Ratio	Lower	Upper
129	100		
127	0.0	46.8	106.8#





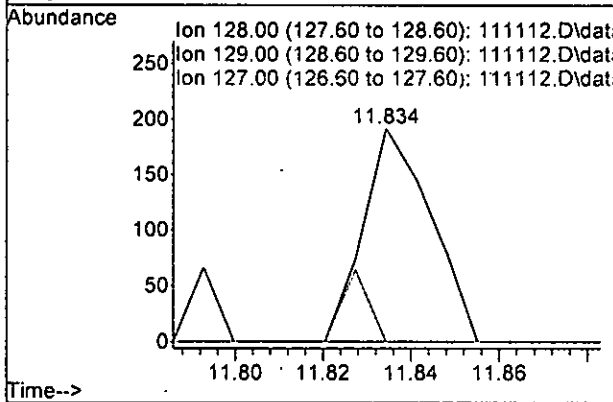
#51
 m,p-Xylene
 Concen: 0.020 ppb
 RT: 7.651 min Scan# 635
 Delta R.T. -0.000 min
 Lab File: 111112.D
 Acq: 11 Nov 2022 11:59 am

Tgt Ion:106 Resp: 126
 Ion Ratio Lower Upper
 106 100
 91 179.1 175.7 235.7



#75
 Naphthalene
 Concen: 0.096 ppb
 RT: 11.834 min Scan# 1177
 Delta R.T. -0.001 min
 Lab File: 111112.D
 Acq: 11 Nov 2022 11:59 am

Tgt Ion:128 Resp: 203
 Ion Ratio Lower Upper
 128 100
 129 0.0 0.0 40.8
 127 0.0 0.0 43.1



Data Path : Y:\Proc_GCMS13\11-11-22\
 Data File : 111112.D
 Acq On : 11 Nov 2022 11:59 am
 Operator : WE
 Sample : 211162-04 1/0.25
 Misc : soil
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 14 08:07:59 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	4.745	96	117076	10.000	ppb	0.00	
39) Chlorobenzene-d5	7.405	117	101597	10.000	ppb	0.00	
56) 1,4-Dichlorobenzene-d4	9.624	152	61227	10.000	ppb	0.00	
System Monitoring Compounds							
3) Dibromofluoromethane	4.175	113	37392	9.959	ppb	0.00	
Spiked Amount	10.000	Range	50 - 150	Recovery	=	99.60%	
30) 1,2-Dichloroethane-d4	4.466	102	6817	9.369	ppb	0.01	
Spiked Amount	10.000	Range	84 - 120	Recovery	=	93.70%	
35) Toluene-d8	6.105	98	112249	10.053	ppb	0.00	
Spiked Amount	10.000	Range	73 - 128	Recovery	=	100.50%	
57) 4-Bromofluorobenzene	8.508	95	41924	9.937	ppb	0.00	
Spiked Amount	10.000	Range	57 - 146	Recovery	=	99.40%	
Target Compounds							
2) Ethanol	2.352	45	246	No Calib			Qvalue
4) Dichlorodifluoromethane	1.107	85	69	N.D.			
5) Chloromethane	1.261	50	564	N.D.			
6) Vinyl chloride	0.000		0	N.D.			
7) Bromomethane	0.000		0	N.D. d			
8) Chloroethane	0.000		0	N.D. d			
9) Trichlorofluoromethane	1.868	101	102	N.D.			
10) 2-Propanol	2.352	45	246	No Calib	#		
11) Acetone	2.352	58	378	N.D.			
12) 1,1-Dichloroethene	0.000		0	N.D. d			
13) Hexane	3.156	57	144	N.D.			
14) Methylene chloride	2.692	84	3037	Below Cal		95	
15) t-Butyl alcohol (TBA)	0.000		0	N.D.			
16) Methyl t-butyl ether (...)	0.000		0	N.D.			
17) trans-1,2-Dichloroethene	0.000		0	N.D.			
18) Diisopropyl ether (DIPE)	3.434	45	78	N.D.			
19) 1,1-Dichloroethane	0.000		0	N.D.			
20) Ethyl t-butyl ether (E...)	0.000		0	N.D.			
21) 2,2-Dichloropropane	3.774	77	155	N.D.			
22] cis-1,2-Dichloroethene	3.769	96	110	0.028	ppb		91
23) Chloroform	0.000		0	N.D.			
24) 2-Butanone (MEK)	3.815	43	692	0.215	ppb		55
25) t-Amyl methyl ether (T...)	0.000		0	N.D.			
26] 1,2-Dichloroethane (EDC)	4.527	62	95	Below Cal			95
27) 1,1,1-Trichloroethane	0.000		0	N.D.			
28) 1,1-Dichloropropene	0.000		0	N.D.			
29) Carbon tetrachloride	0.000		0	N.D.			
31) Benzene	4.504	78	60	N.D.			
32] Trichloroethene	5.052	95	271m	0.063	ppb		
33) 1,2-Dichloropropane	5.316	63	43	N.D.			
34) Bromodichloromethane	5.419	83	65	N.D.			
36) Dibromomethane	0.000		0	N.D.			

Data Path : Y:\Proc_GCMS13\11-11-22\
 Data File : 111112.D
 Acq On : 11 Nov 2022 11:59 am
 Operator : WE
 Sample : 211162-04 1/0.25
 Misc : soil
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS13

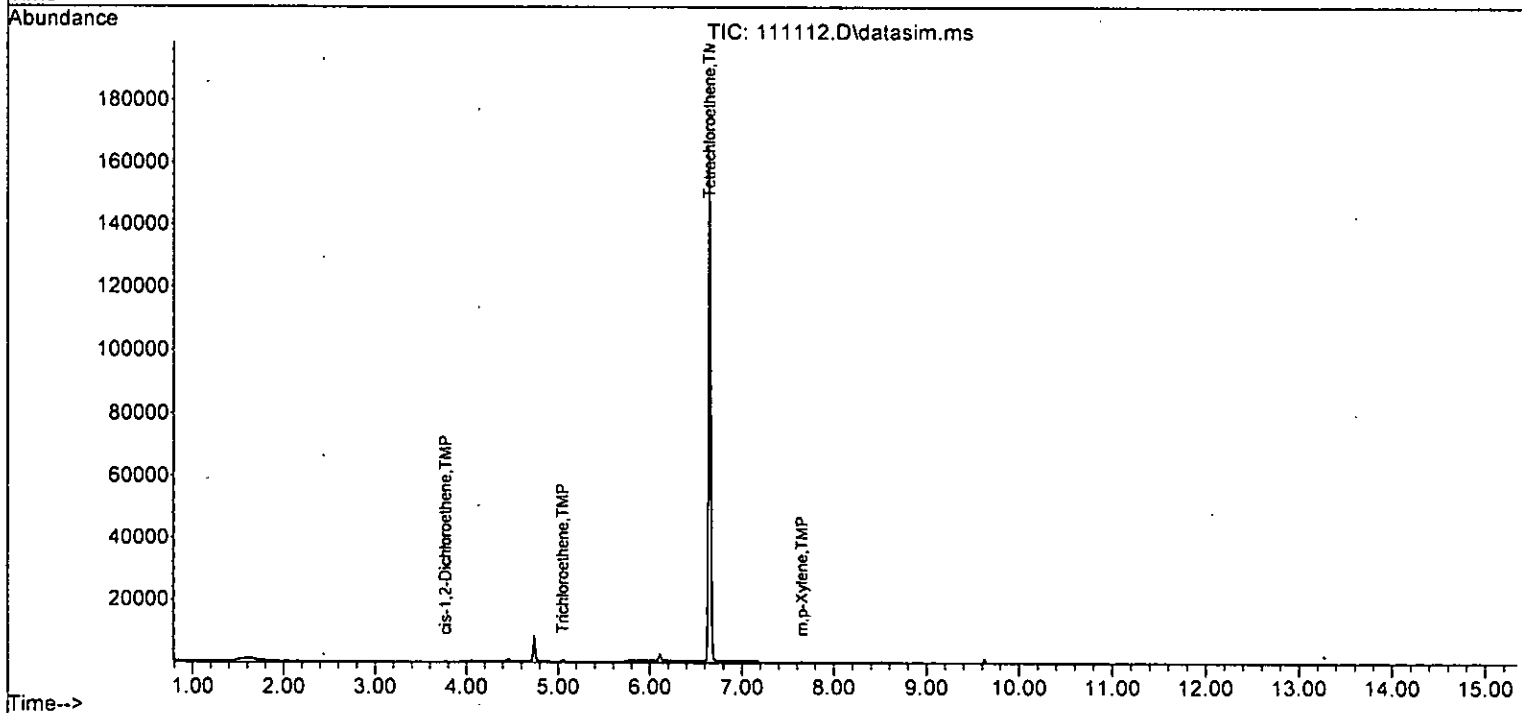
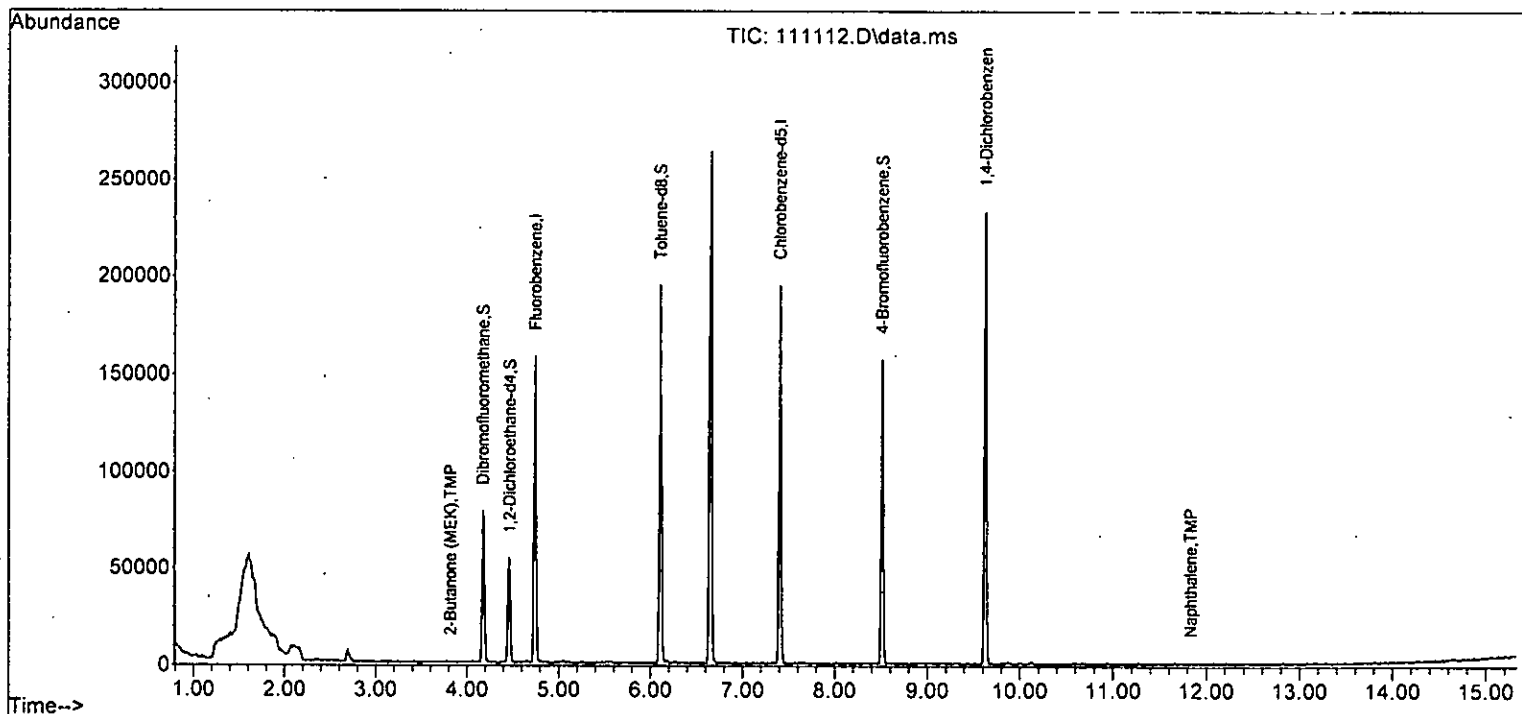
Quant Time: Nov 14 08:07:59 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.000		0	N.D.	
38) cis-1,3-Dichloropropene	0.000		0	N.D.	
40] Toluene	6.164	92	117	Below Cal	90
41) trans-1,3-Dichloropropene	0.000		0	N.D. d	
42) 1,1,2-Trichloroethane	0.000		0	N.D. d	
43) 2-Hexanone	0.000		0	N.D. d	
44) 1,3-Dichloropropane	0.000		0	N.D.	
45] Tetrachloroethene	6.648	164	64015	15.935 ppb	96
46) Dibromochloromethane	6.818	129	41	Below Cal #	11
47) 1,2-Dibromoethane (EDB)	0.000		0	N.D.	
48) Chlorobenzene	0.000		0	N.D.	
49) Ethylbenzene	7.539	91	118	N.D.	
50) 1,1,1,2-Tetrachloroethane	0.000		0	N.D.	
51] m,p-Xylene	7.651	106	126	0.020 ppb	83
52) o-Xylene	8.021	106	49	N.D.	
53) Styrene	8.034	104	158	N.D.	
54) Isopropylbenzene	8.378	105	62	N.D.	
55) Bromoform	0.000		0	N.D.	
58) n-Propylbenzene	8.766	91	111	N.D.	
59) Bromobenzene	0.000		0	N.D.	
60) 1,3,5-Trimethylbenzene	8.939	105	74	N.D.	
61) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.	
62) 1,2,3-Trichloropropane	8.887	75	63	N.D.	
63) 2-Chlorotoluene	8.835	91	27	N.D.	
64) 4-Chlorotoluene	8.947	91	127	N.D.	
65) tert-Butylbenzene	0.000		0	N.D.	
66) 1,2,4-Trimethylbenzene	9.305	105	186	N.D.	
67) sec-Butylbenzene	9.464	105	77	N.D.	
68) p-Isopropyltoluene	9.617	119	95	N.D.	
69) 1,3-Dichlorobenzene	9.645	146	90	N.D.	
70) 1,4-Dichlorobenzene	9.645	146	90	N.D.	
71) 1,2-Dichlorobenzene	10.012	146	79	N.D.	
72) 1,2-Dibromo-3-chloropr...	10.559	75	22	N.D.	
73) 1,2,4-Trichlorobenzene	11.599	180	62	N.D.	
74) Hexachlorobutadiene	0.000		0	N.D.	
75) Naphthalene	11.834	128	203	0.096 ppb	69
76) 1,2,3-Trichlorobenzene	12.084	180	64	N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS13\11-11-22\
 Data File : 111112.D
 Acq On : 11 Nov 2022 11:59 am
 Operator : WE
 Sample : 211162-04 1/0.25
 Misc : soil
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS13

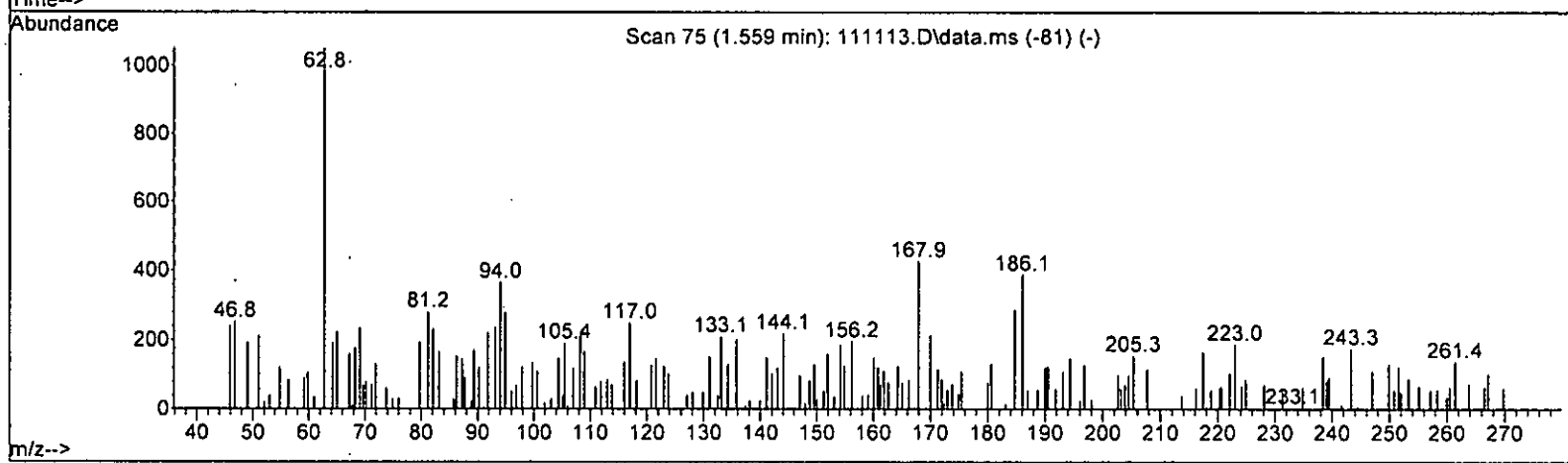
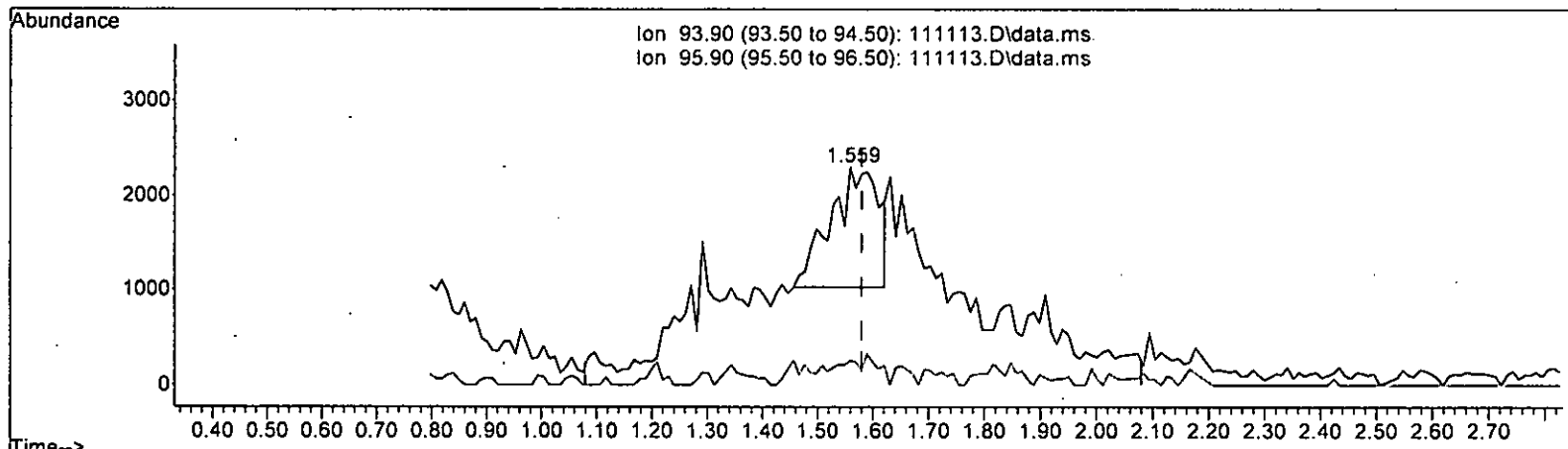
Quant Time: Nov 14 08:07:59 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-11-22\
 Data File : 111113.D
 Acq On : 11 Nov 2022 12:22 pm
 Operator : WE
 Sample : 211162-05 1/0.25
 Misc : soil
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 14 08:08:03 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 111113.D\data.ms

(7) Bromomethane (TMP)

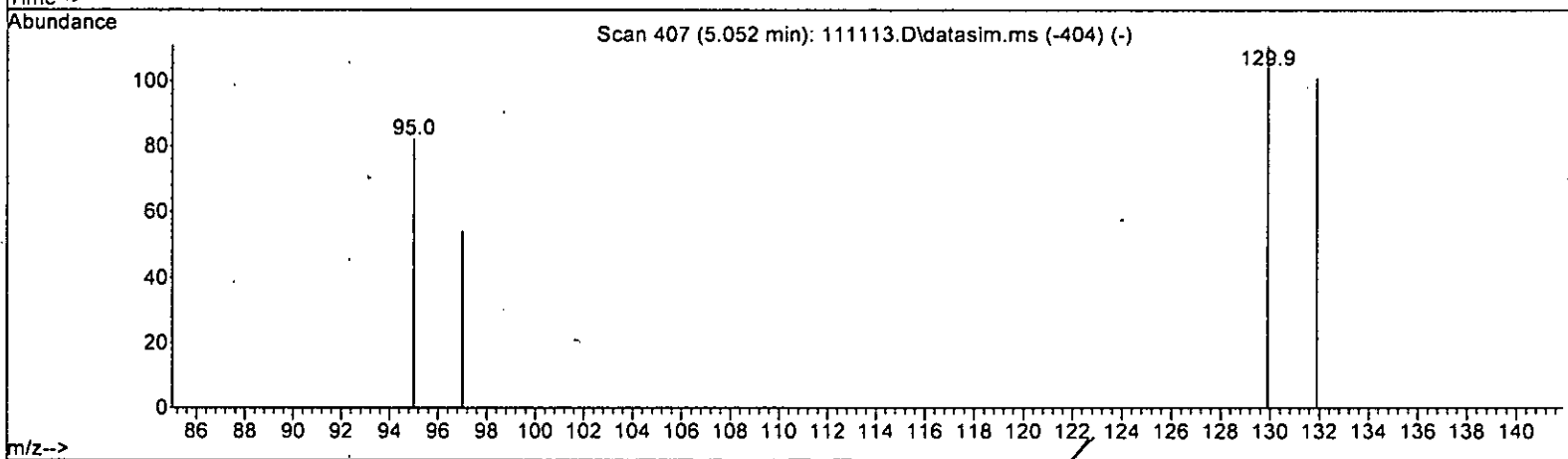
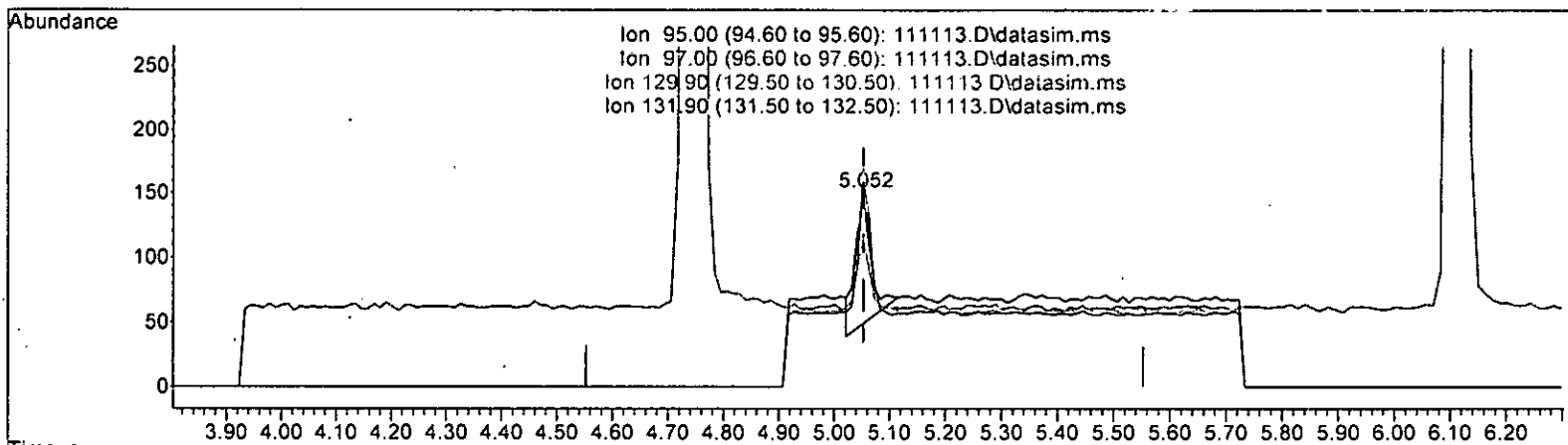
1.559min (-0.021) 1.551 ppb

response	7685
Ion	Exp% Act%
93.90	100.00 100.00
95.90	93.50 3.99#
0.00	0.00 0.00
0.00	0.00 0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-11-22\
 Data File : 111113.D
 Acq On : 11 Nov 2022 12:22 pm
 Operator : WE
 Sample : 211162-05 1/0.25
 Misc : soil
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 14 08:08:03 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 111113.D\data.ms

m 11.14.22

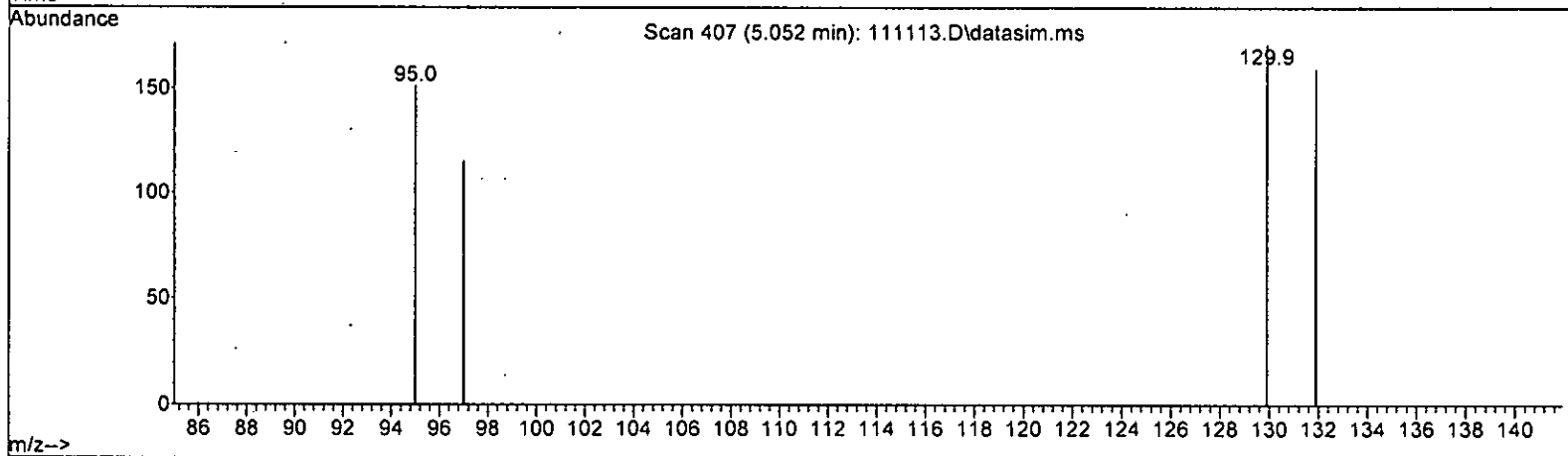
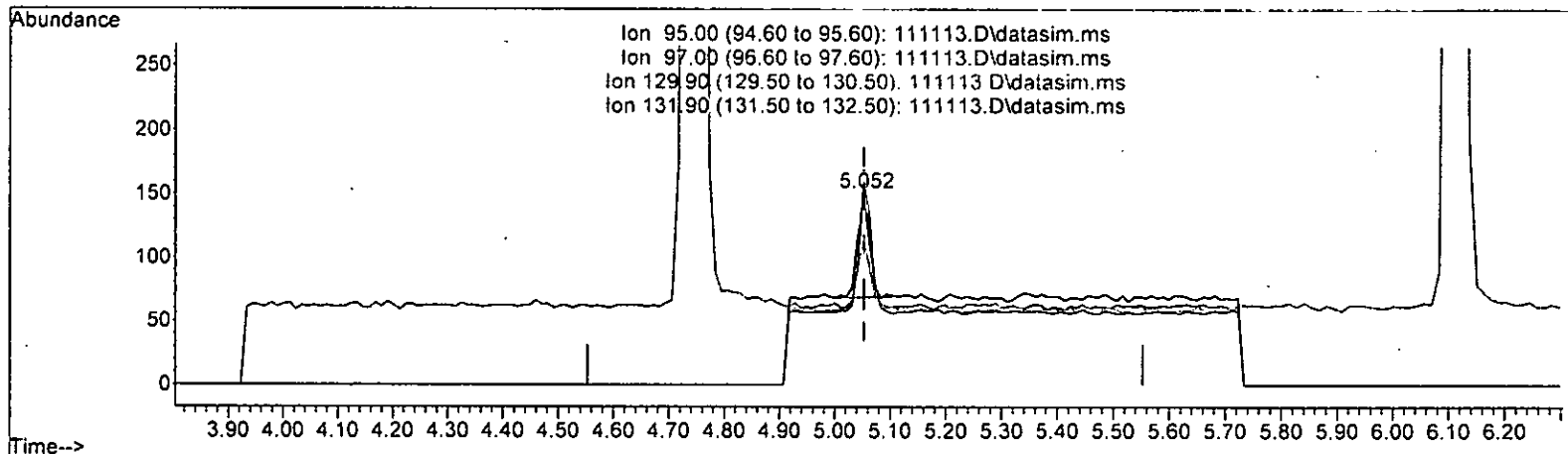
(32) Trichloroethene (TMP)
 5.052min (-0.001) 0.048 ppb
 response 200

Ion	Exp%	Act%
95.00	100.00	100.00
97.00	64.60	65.85
129.90	103.40	136.59#
131.90	.95.80	124.39

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-11-22\
 Data File : 111113.D
 Acq On : 11 Nov 2022 12:22 pm
 Operator : WE
 Sample : 211162-05 1/0.25
 Misc : soil
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 14 08:08:03 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 111113.D\data.ms

(32) Trichloroethene (TMP) *m* 11.14.22

5.052min (-0.001) 0.029 ppb m

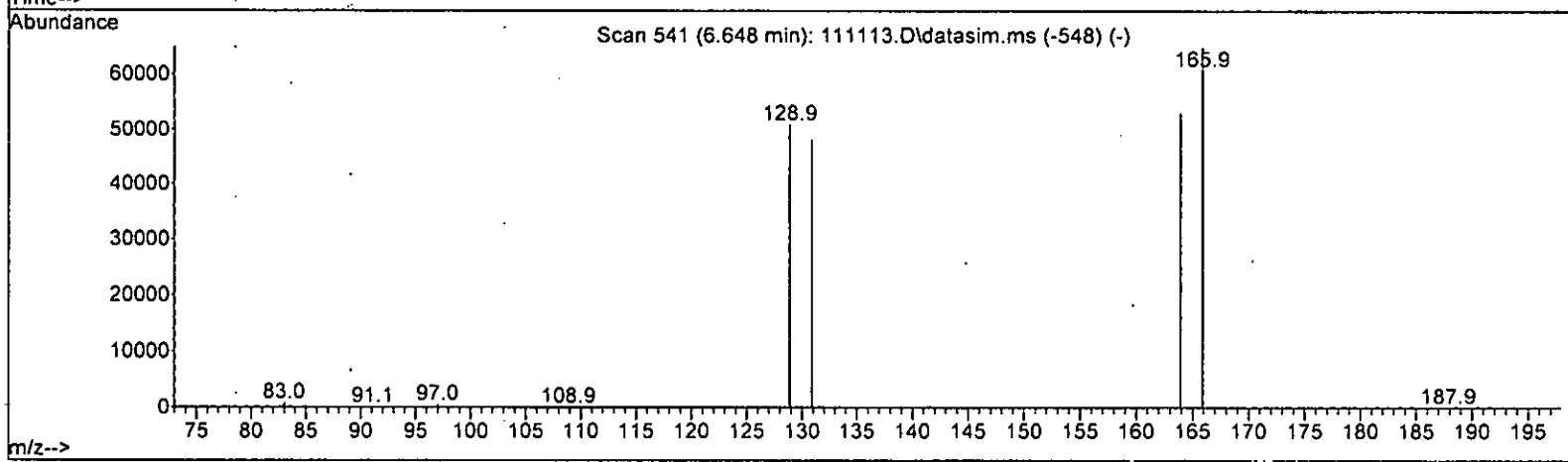
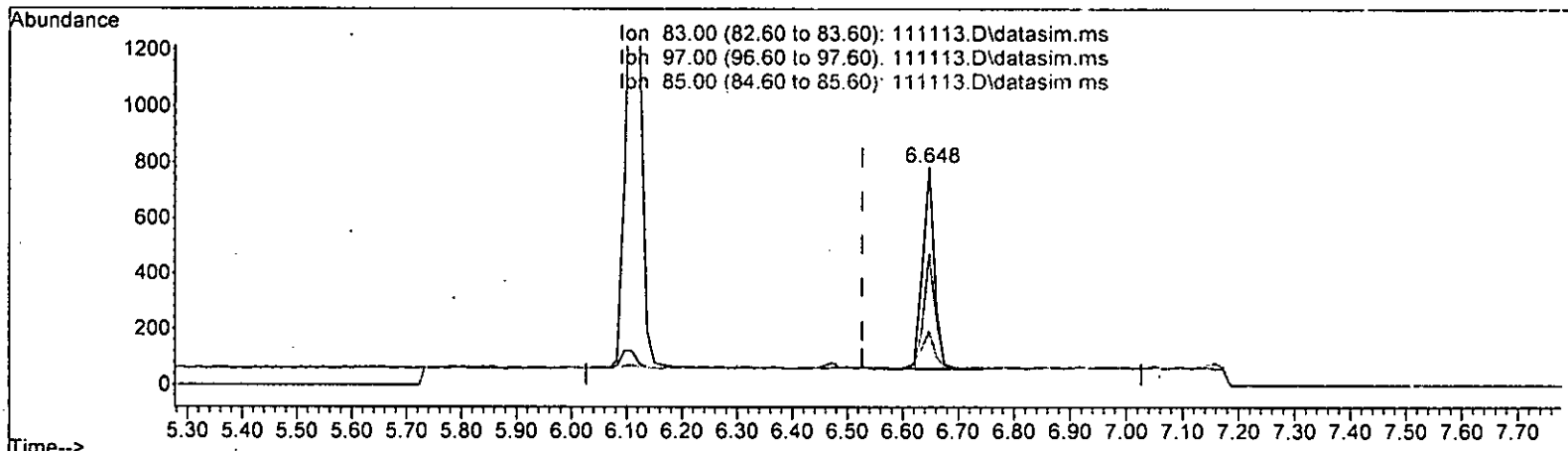
response 120

Ion	Exp%	Act%
95.00	100.00	100.00
97.00	64.60	76.16
129.90	103.40	113.25
131.90	95.80	105.30

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-11-22\
 Data File : 111113.D
 Acq On : 11 Nov 2022 12:22 pm
 Operator : WE
 Sample : 211162-05 1/0.25
 Misc : soil
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 14 08:08:03 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth: VM080322.M



TIC: 111113.D\data.ms

(42) 1,1,2-Trichloroethane (TMP)

6.648min (+ 0.121) 0.386 ppb

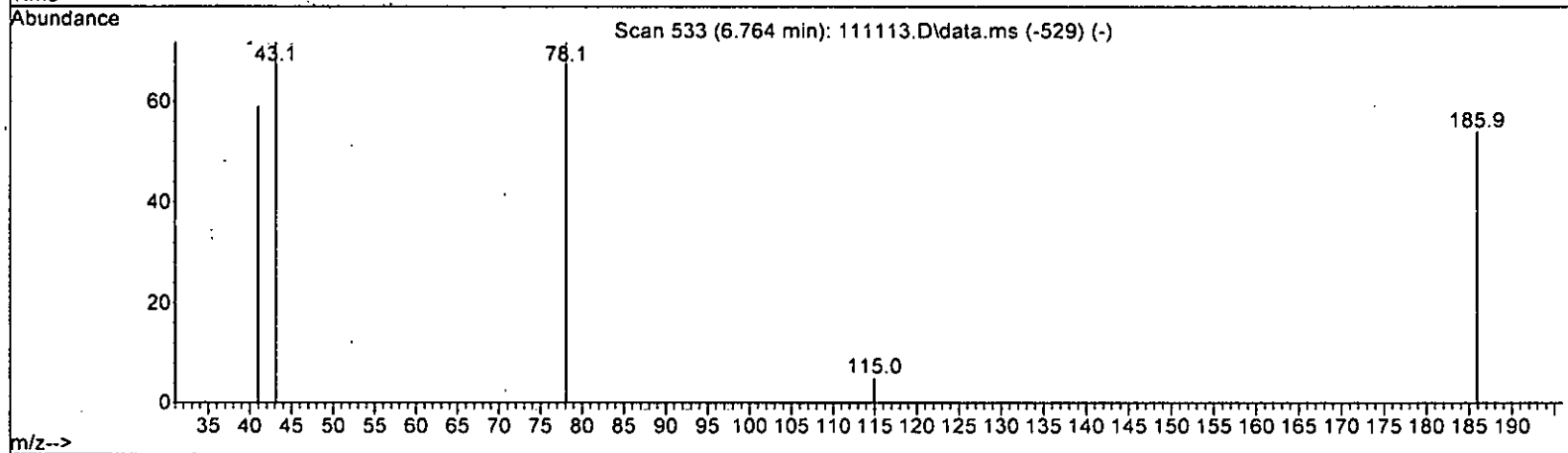
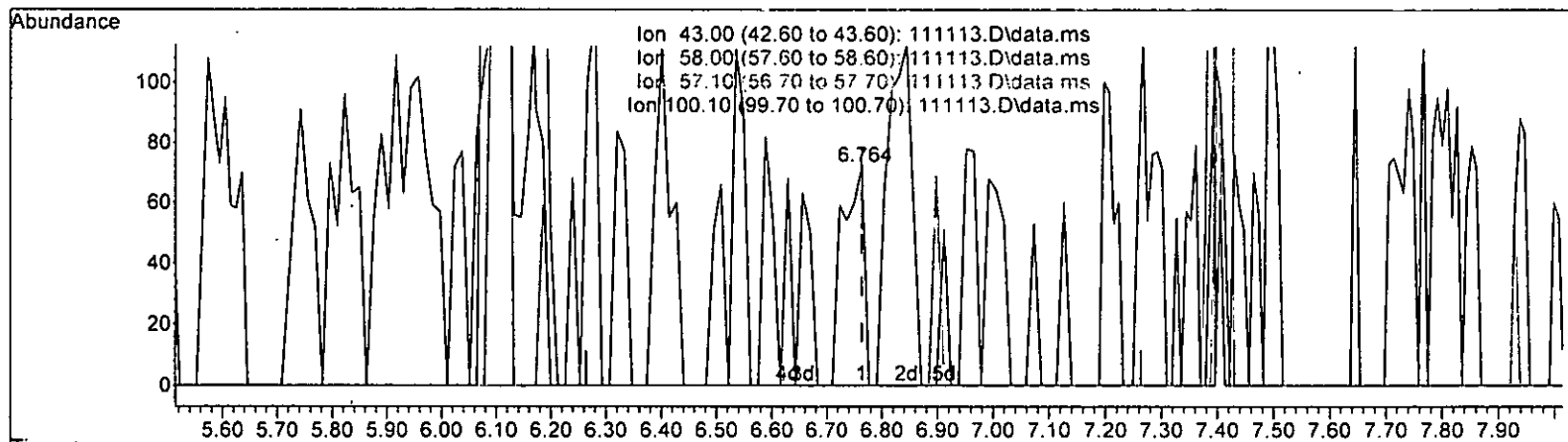
response 1073

Ion	Exp%	Act%
83.00	100.00	100.00
97.00	118.00	56.63#
85.00	65.30	18.09#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-11-22\
 Data File : 111113.D
 Acq On : 11 Nov 2022 12:22 pm
 Operator : WE
 Sample : 211162-05 1/0.25
 Misc : soil
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 14 08:08:03 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 111113.D\data.ms

(43) 2-Hexanone (TMP)

6.764min (-0.000) 0.101 ppb

response	198	
Ion	Exp%	Act%
43.00	100.00	100.00
58.00	51.50	0.00#
57.10	16.30	0.00
100.10	10.20	0.00

Data Path : Y:\Proc_GCMS13\11-11-22\
 Data File : 111113.D
 Acq On : 11 Nov 2022 12:22 pm
 Operator : WE
 Sample : 211162-05 1/0.25
 Misc : soil
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 14 08:08:03 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

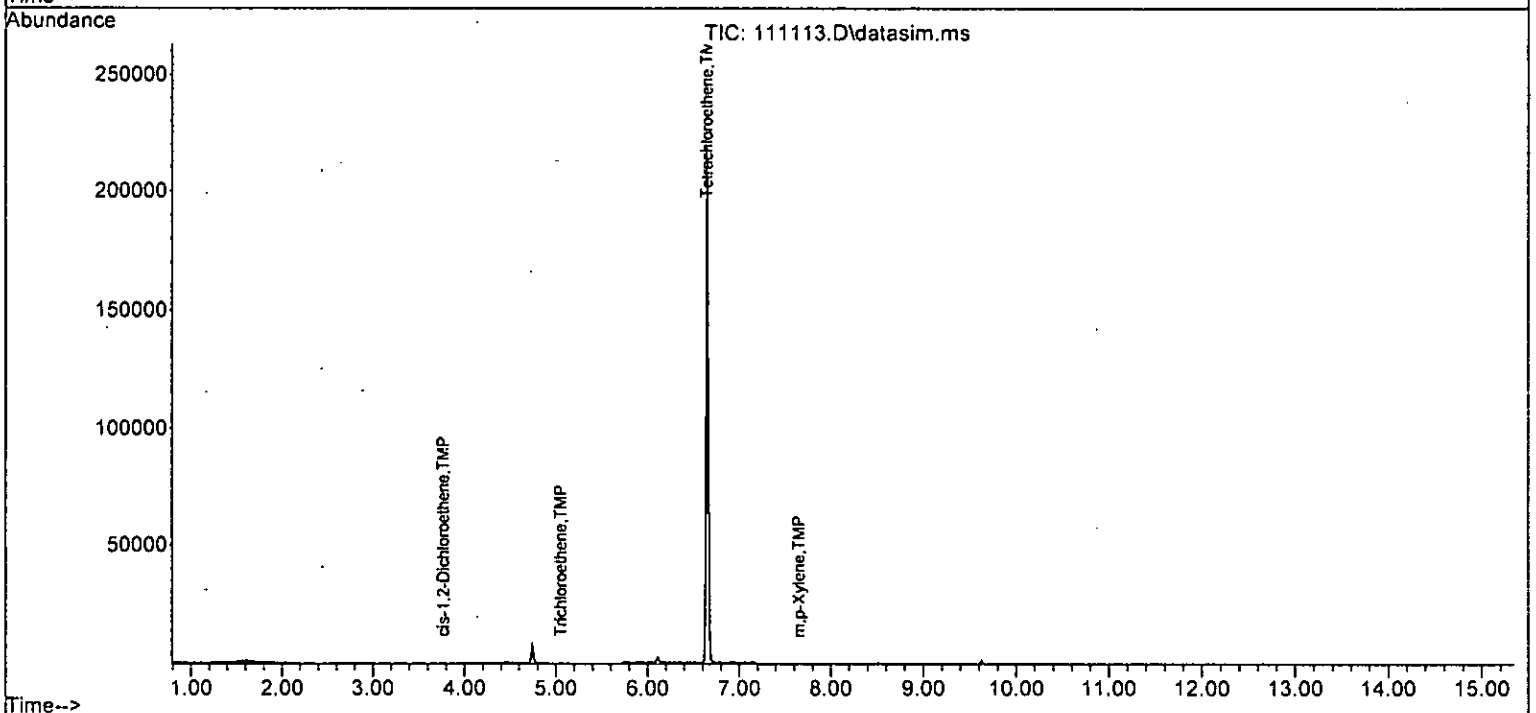
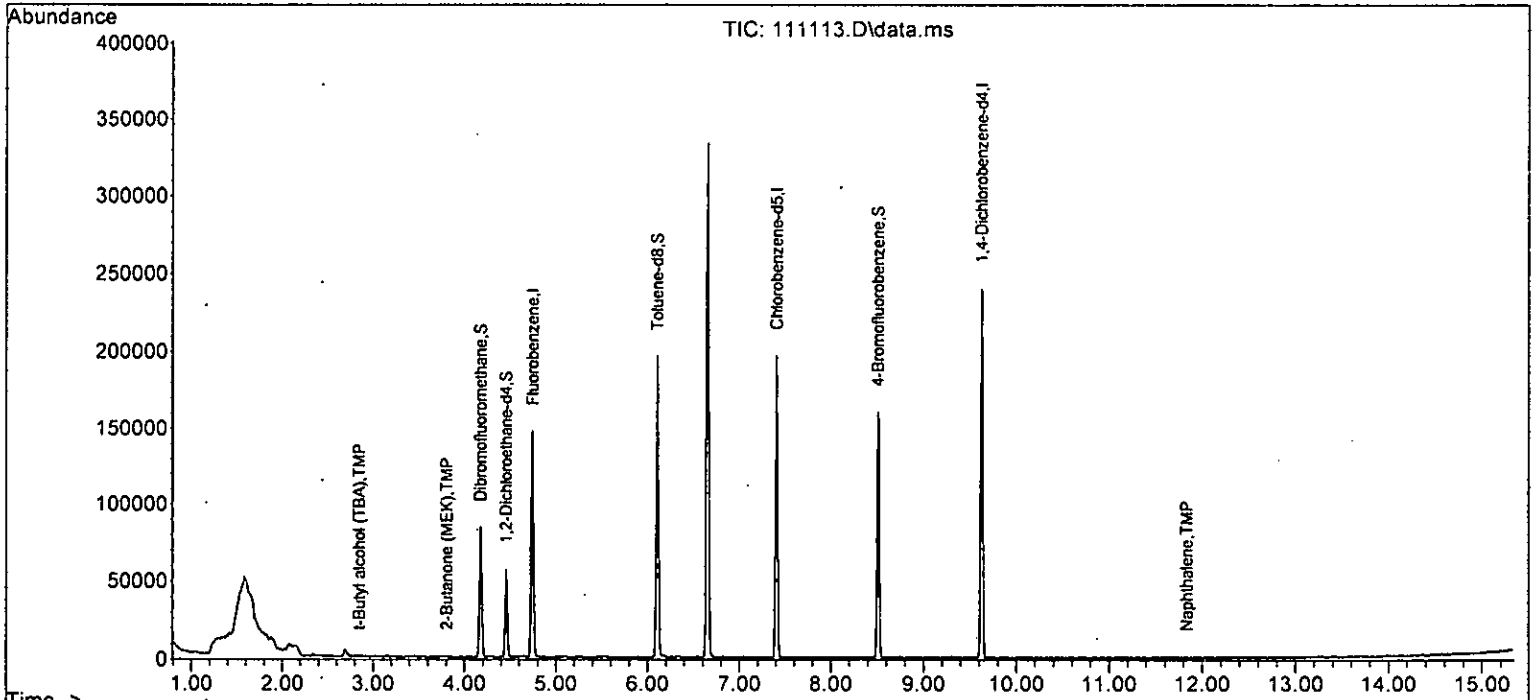
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

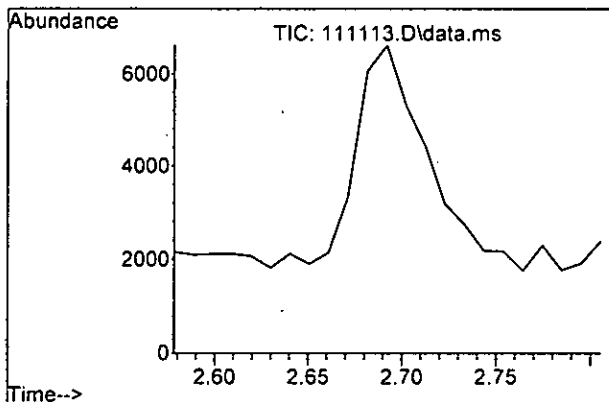
Internal Standards							
1) Fluorobenzene	4.745	96	114712	10.000	ppb	0.00	
39) Chlorobenzene-d5	7.405	117	103615	10.000	ppb	0.00	
56) 1,4-Dichlorobenzene-d4	9.624	152	63159	10.000	ppb	0.00	
System Monitoring Compounds							
3) Dibromofluoromethane	4.175	113	37670	10.240	ppb	0.00	
Spiked Amount	10.000	Range 50 - 150	Recovery	=	102.40%		
30) 1,2-Dichloroethane-d4	4.454	102	7134	10.007	ppb	0.00	
Spiked Amount	10.000	Range 84 - 120	Recovery	=	100.10%		
35) Toluene-d8	6.105	98	110371	10.088	ppb	0.00	
Spiked Amount	10.000	Range 73 - 128	Recovery	=	100.90%		
57) 4-Bromofluorobenzene	8.508	95	41526	9.542	ppb	0.00	
Spiked Amount	10.000	Range 57 - 146	Recovery	=	95.40%		
Target Compounds							
							Qvalue
11) Acetone	2.341	58	290	Below Cal			93
14) Methylene chloride	2.692	84	2672	Below Cal			86
15) t-Butyl alcohol (TBA)	2.847	59	82	0.298 ppb	#		1
22] cis-1,2-Dichloroethene	3.769	96	130	0.034 ppb			90
24) 2-Butanone (MEK)	3.805	43	587	0.152 ppb			65
26] 1,2-Dichloroethane (EDC)	4.527	62	85	Below Cal			92
28) 1,1-Dichloropropene	4.253	75	48	Below Cal	#		60
32] Trichloroethene	5.052	95	120m	0.029 ppb			
40] Toluene	6.164	92	108	Below Cal			86
45] Tetrachloroethene	6.648	164	82229	20.049 ppb			96
46) Dibromochloromethane	6.791	129	48	Below Cal	#		11
51] m,p-Xylene	7.651	106	98	0.015 ppb	#		75
61) 1,1,2,2-Tetrachloroethane	8.663	83	26	Below Cal	#		25
75) Naphthalene	11.834	128	190	0.094 ppb			69

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS13\11-11-22\
 Data File : 111113.D
 Acq On : 11 Nov 2022 12:22 pm
 Operator : WE
 Sample : 211162-05 1/0.25
 Misc : soil
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS13

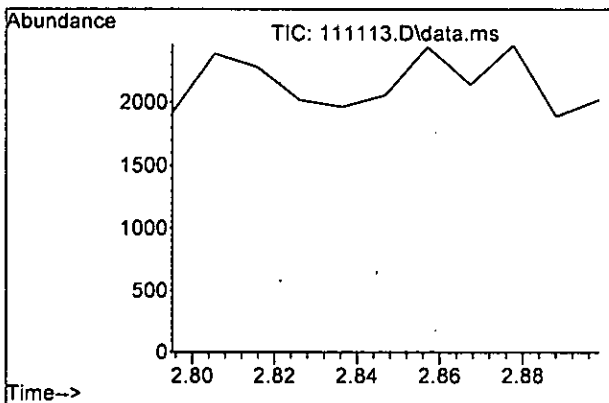
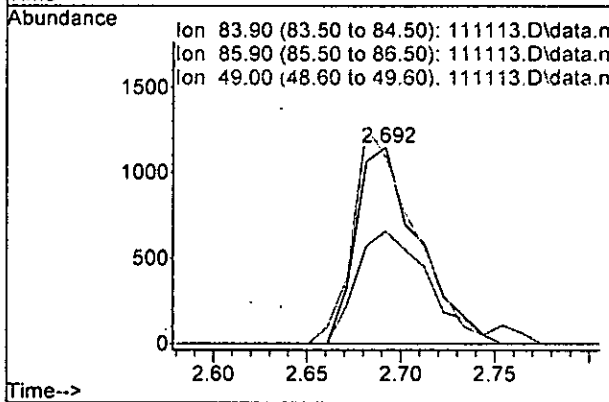
Quant Time: Nov 14 08:08:03 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 Qlast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M





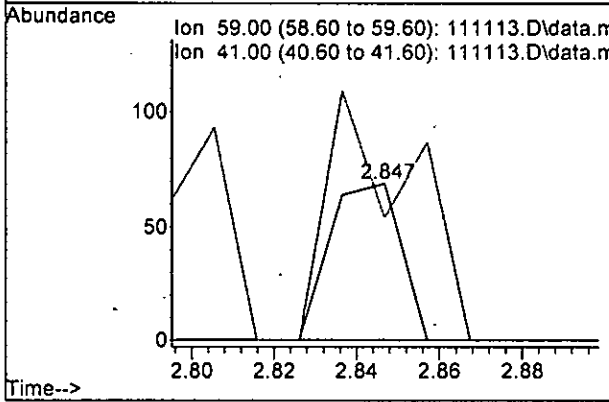
#14
 Methylene chloride
 Concen: Below Cal
 RT: 2.692 min Scan# 179
 Delta R.T. 0.010 min
 Lab File: 111113.D
 Acq: 11 Nov 2022 12:22 pm

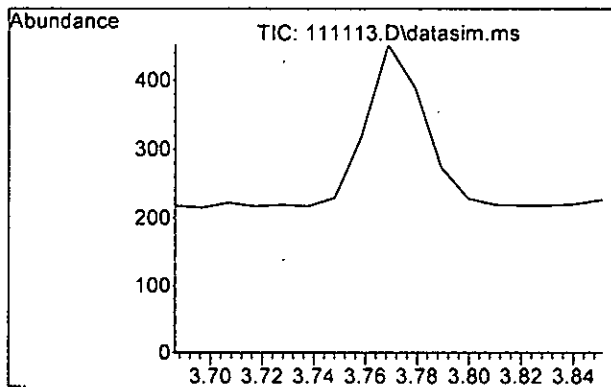
Tgt Ion	Resp	Lower	Upper
84	100		
86	57.3	37.1	97.1
49	95.0	81.3	141.3



#15
 t-Butyl alcohol (TBA)
 Concen: 0.298 ppb
 RT: 2.847 min Scan# 194
 Delta R.T. 0.031 min
 Lab File: 111113.D
 Acq: 11 Nov 2022 12:22 pm

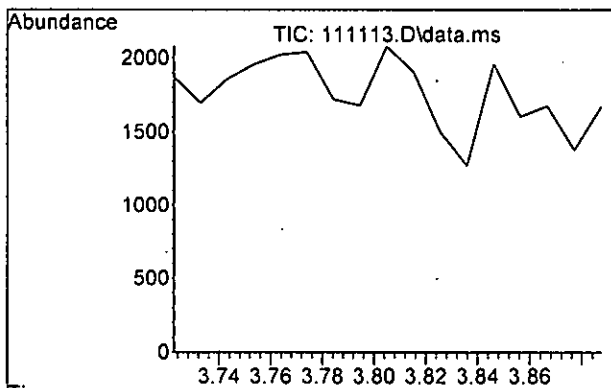
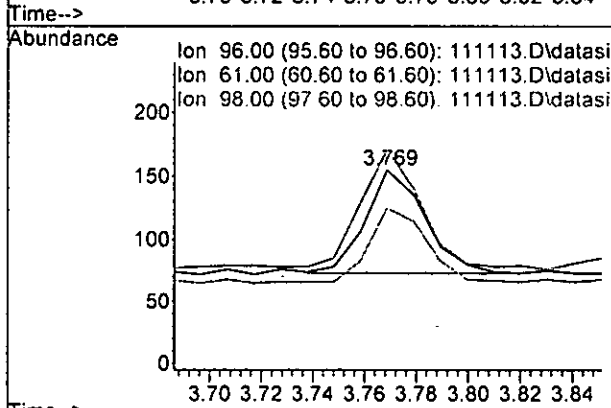
Tgt Ion	Resp	Lower	Upper
59	100		
41	78.3	0.0	52.9#





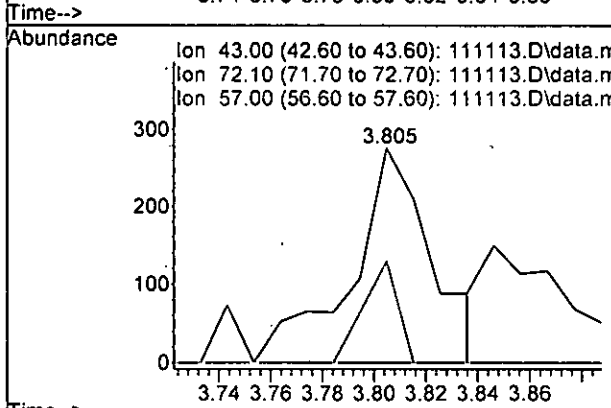
#22
 cis-1,2-Dichloroethene
 Concen: 0.034 ppb
 RT: 3.769 min Scan# 290
 Delta R.T. -0.000 min
 Lab File: 111113.D
 Acq: 11 Nov 2022 12:22 pm

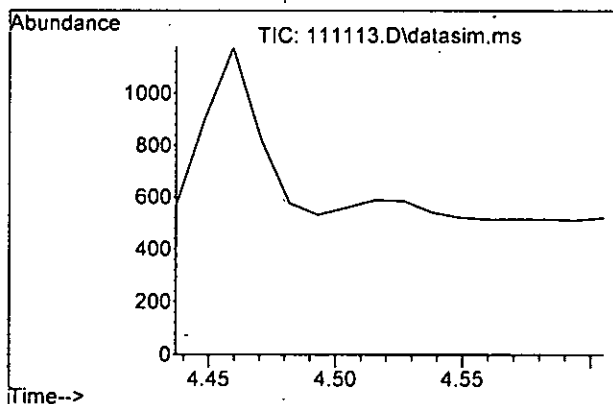
Tgt Ion	Ratio	Lower	Upper
96	100		
61	113.4	92.3	152.3
98	72.0	32.0	92.0



#24
 2-Butanone (MEK)
 Concen: 0.152 ppb
 RT: 3.805 min Scan# 283
 Delta R.T. 0.010 min
 Lab File: 111113.D
 Acq: 11 Nov 2022 12:22 pm

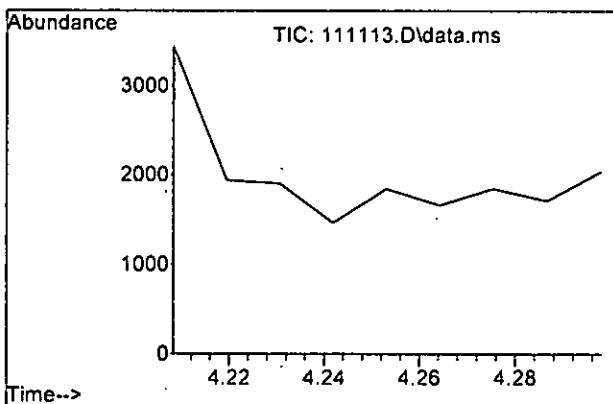
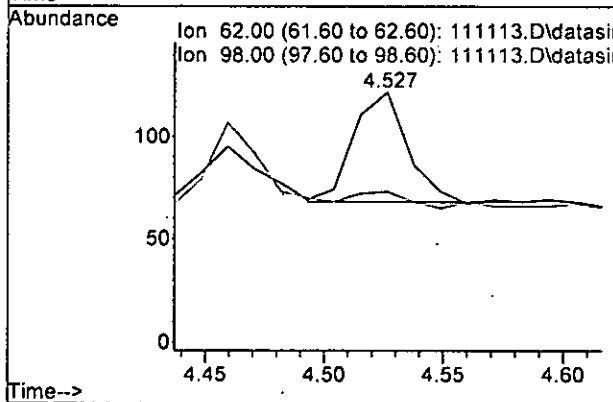
Tgt Ion	Ratio	Lower	Upper
43	100		
72	46.7	0.0	57.0
57	0.0	0.0	28.0





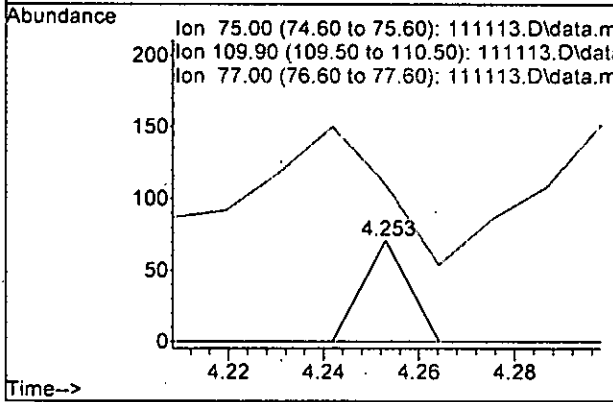
#26
 1,2-Dichloroethane (EDC)
 Concen: Below Cal
 RT: 4.527 min Scan# 359
 Delta R.T. -0.000 min
 Lab File: 111113.D
 Acq: 11 Nov 2022 12:22 pm

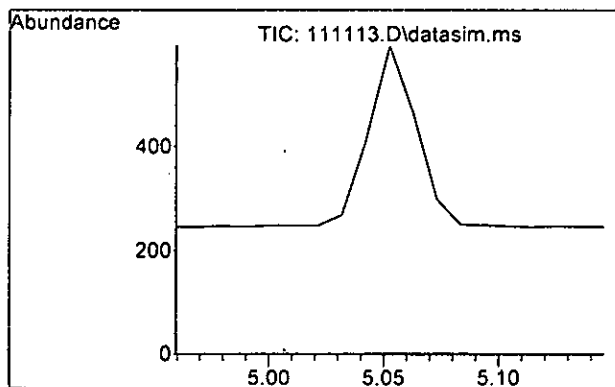
Tgt Ion	Ratio	Lower	Upper
62	100		
98	13.0	0.0	40.1



#28
 1,1-Dichloropropene
 Concen: Below Cal
 RT: 4.253 min Scan# 322
 Delta R.T. -0.079 min
 Lab File: 111113.D
 Acq: 11 Nov 2022 12:22 pm

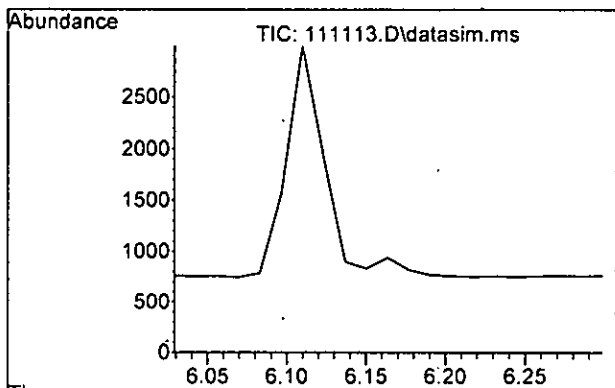
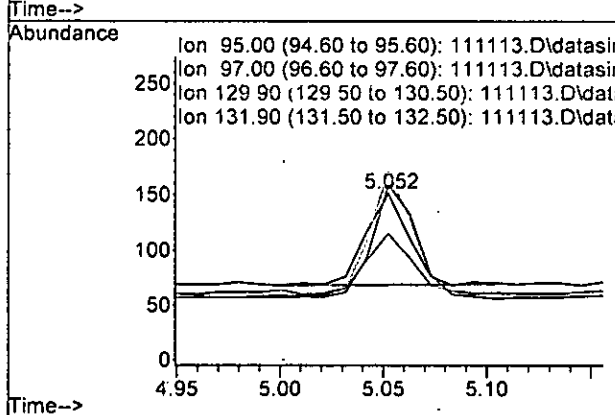
Tgt Ion	Ratio	Lower	Upper
75	100		
110	0.0	10.6	70.6#
77	33.8	0.1	60.1





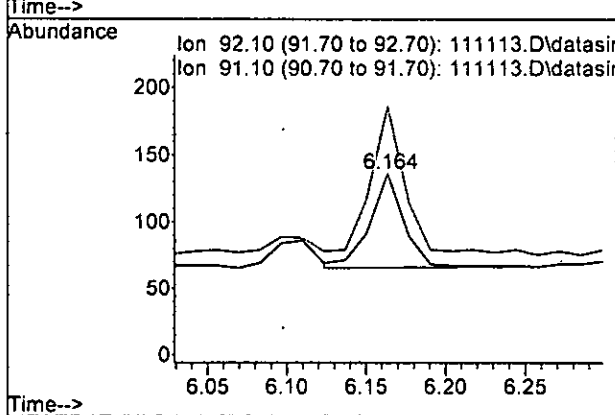
#32
 Trichloroethene
 Concen: 0.029 ppb m
 RT: 5.052 min Scan# 407
 Delta R.T. -0.001 min
 Lab File: 111113.D
 Acq: 11 Nov 2022 12:22 pm

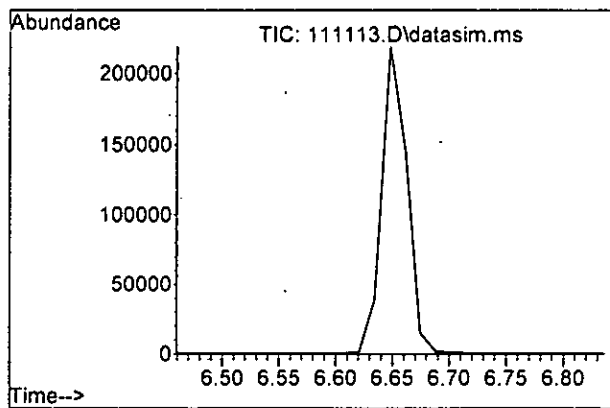
Tgt Ion	Resp	Lower	Upper
95	100		
97	76.2	34.6	94.6
130	113.2	73.4	133.4
132	105.3	65.8	125.8



#40
 Toluene
 Concen: Below Cal
 RT: 6.164 min Scan# 505
 Delta R.T. -0.000 min
 Lab File: 111113.D
 Acq: 11 Nov 2022 12:22 pm

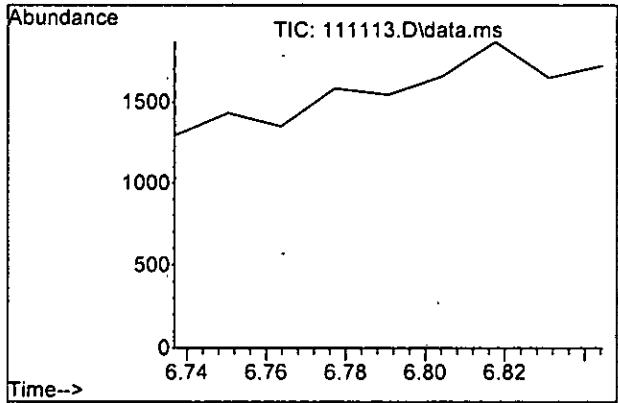
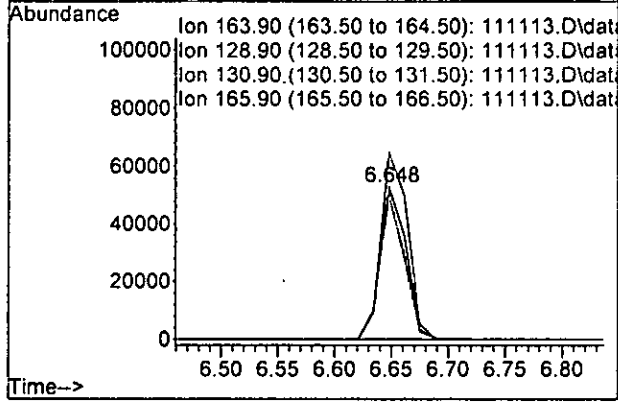
Tgt Ion	Resp	Lower	Upper
92	100		
91	158.6	148.5	208.5





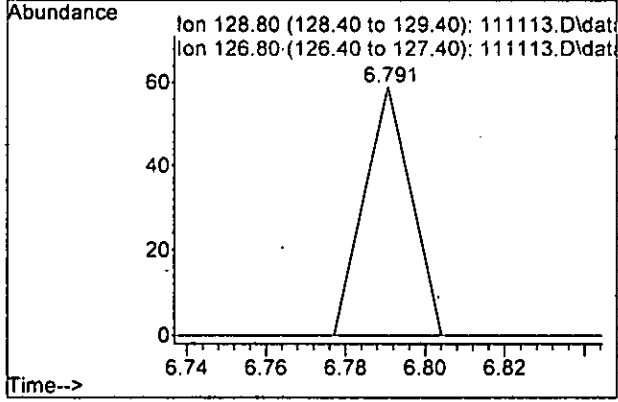
#45
 Tetrachloroethene
 Concen: 20.049 ppb
 RT: 6.648 min Scan# 541
 Delta R.T. -0.000 min
 Lab File: 111113.D
 Acq: 11 Nov 2022 12:22 pm

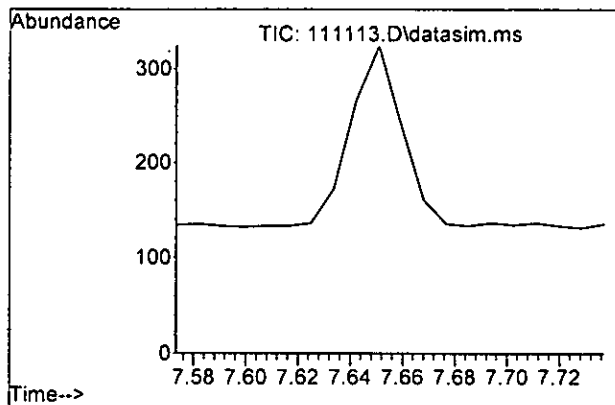
Tgt Ion	Ratio	Lower	Upper
164	100		
129	96.1	72.1	132.1
131	90.9	64.8	124.8
166	122.5	90.0	150.0



#46
 Dibromochloromethane
 Concen: Below Cal
 RT: 6.791 min Scan# 535
 Delta R.T. -0.094 min
 Lab File: 111113.D
 Acq: 11 Nov 2022 12:22 pm

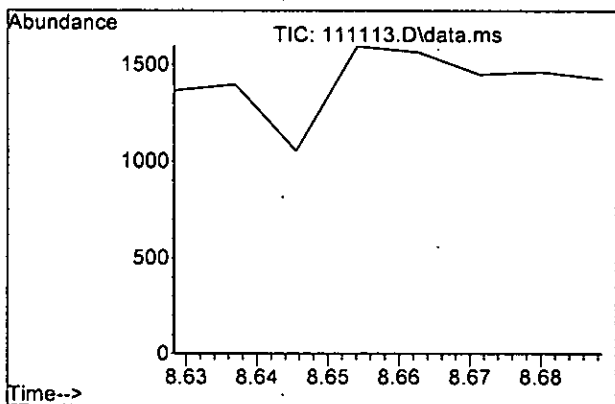
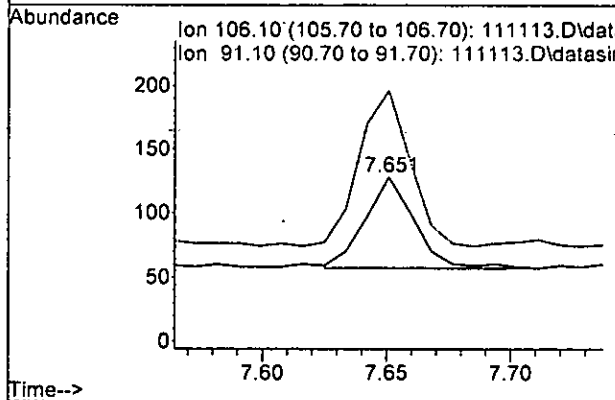
Tgt Ion	Ratio	Lower	Upper
129	100		
127	0.0	46.8	106.8#





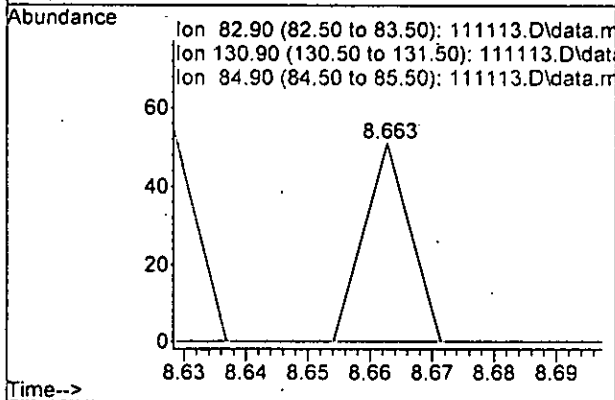
#51
 m,p-Xylene
 Concen: 0.015 ppb
 RT: 7.651 min Scan# 635
 Delta R.T. -0.000 min
 Lab File: 111113.D
 Acq: 11 Nov 2022 12:22 pm

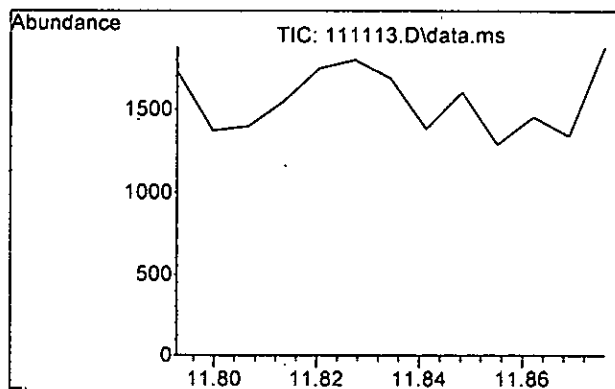
Tgt Ion	106	Resp	98
Ion Ratio	Lower	Upper	
106	100		
91	167.6	175.7	235.7#



#61
 1,1,2,2-Tetrachloroethane
 Concen: Below Cal
 RT: 8.663 min Scan# 734
 Delta R.T. 0.008 min
 Lab File: 111113.D
 Acq: 11 Nov 2022 12:22 pm

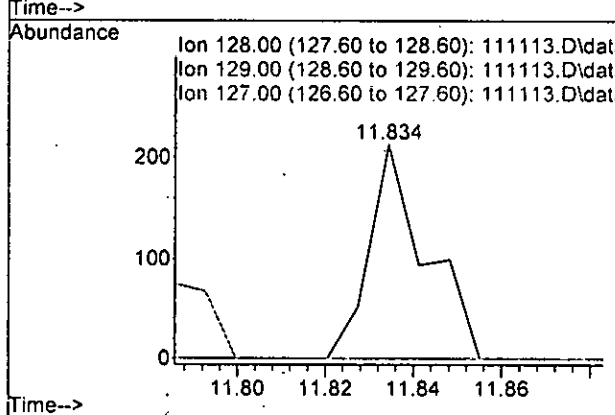
Tgt Ion	83	Resp	26
Ion Ratio	Lower	Upper	
83	100		
131	0.0	0.0	40.8
85	0.0	36.2	96.2#





#75
 Naphthalene
 Concen: 0.094 ppb
 RT: 11.834 min Scan# 1177
 Delta R.T. -0.001 min
 Lab File: 111113.D
 Acq: 11 Nov 2022 12:22 pm

Tgt Ion	Ratio	Lower	Upper
128	100		
129	0.0	0.0	40.8
127	0.0	0.0	43.1



Data Path : Y:\Proc_GCMS13\11-11-22\
 Data File : 111113.D
 Acq On : 11 Nov 2022 12:22 pm
 Operator : WE
 Sample : 211162-05 1/0.25
 Misc : soil
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 14 08:08:03 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	4.745	96	114712	10.000	ppb	0.00	
39) Chlorobenzene-d5	7.405	117	103615	10.000	ppb	0.00	
56) 1,4-Dichlorobenzene-d4	9.624	152	63159	10.000	ppb	0.00	
System Monitoring Compounds							
3) Dibromofluoromethane	4.175	113	37670	10.240	ppb	0.00	
Spiked Amount	10.000	Range	50 - 150	Recovery	=	102.40%	
30) 1,2-Dichloroethane-d4	4.454	102	7134	10.007	ppb	0.00	
Spiked Amount	10.000	Range	84 - 120	Recovery	=	100.10%	
35) Toluene-d8	6.105	98	110371	10.088	ppb	0.00	
Spiked Amount	10.000	Range	73 - 128	Recovery	=	100.90%	
57) 4-Bromofluorobenzene	8.508	95	41526	9.542	ppb	0.00	
Spiked Amount	10.000	Range	57 - 146	Recovery	=	95.40%	
Target Compounds							
2) Ethanol	2.341	45	269	No Calib			Qvalue
4) Dichlorodifluoromethane	0.000		0	N.D.			
5) Chloromethane	1.271	50	223	N.D.			
6) Vinyl chloride	0.000		0	N.D.			
7) Bromomethane	0.000		0	N.D. d			
8) Chloroethane	0.000		0	N.D.			
9) Trichlorofluoromethane	1.868	101	46	N.D.			
10) 2-Propanol	2.341	45	269	No Calib	#		
11) Acetone	2.341	58	290	Below Cal		93	
12) 1,1-Dichloroethene	0.000		0	N.D.			
13) Hexane	3.146	57	150	N.D.			
14) Methylene chloride	2.692	84	2672	Below Cal		86	
15) t-Butyl alcohol (TBA)	2.847	59	82	0.298 ppb	#	1	
16) Methyl t-butyl ether (...)	0.000		0	N.D.			
17) trans-1,2-Dichloroethene	0.000		0	N.D.			
18) Diisopropyl ether (DIPE)	0.000		0	N.D.			
19) 1,1-Dichloroethane	0.000		0	N.D.			
20) Ethyl t-butyl ether (E...)	0.000		0	N.D.			
21) 2,2-Dichloropropane	3.753	77	266	N.D.			
22] cis-1,2-Dichloroethene	3.769	96	130	0.034 ppb		90	
23) Chloroform	0.000		0	N.D.			
24) 2-Butanone (MEK)	3.805	43	587	0.152 ppb		65	
25) t-Amyl methyl ether (T...)	0.000		0	N.D.			
26] 1,2-Dichloroethane (EDC)	4.527	62	85	Below Cal		92	
27) 1,1,1-Trichloroethane	0.000		0	N.D.			
28) 1,1-Dichloropropene	4.253	75	48	Below Cal	#	60	
29) Carbon tetrachloride	0.000		0	N.D.			
31) Benzene	0.000		0	N.D.			
32] Trichloroethene	5.052	95	120m	0.029 ppb			
33) 1,2-Dichloropropane	5.254	63	135	N.D.			
34) Bromodichloromethane	0.000		0	N.D.			
36) Dibromomethane	0.000		0	N.D.			

Data Path : Y:\Proc_GCMS13\11-11-22\
 Data File : 111113.D
 Acq On : 11 Nov 2022 12:22 pm
 Operator : WE
 Sample : 211162-05 1/0.25
 Misc : soil
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS13

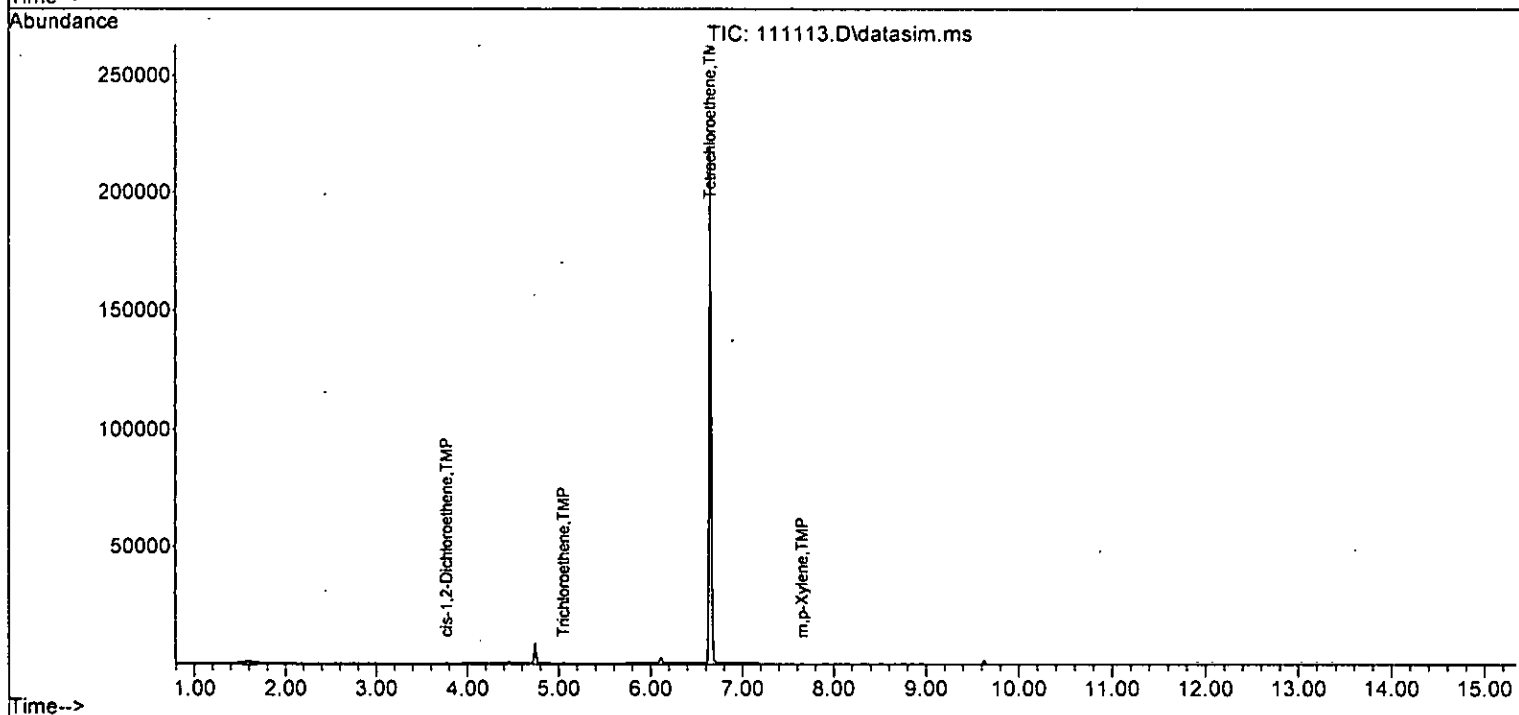
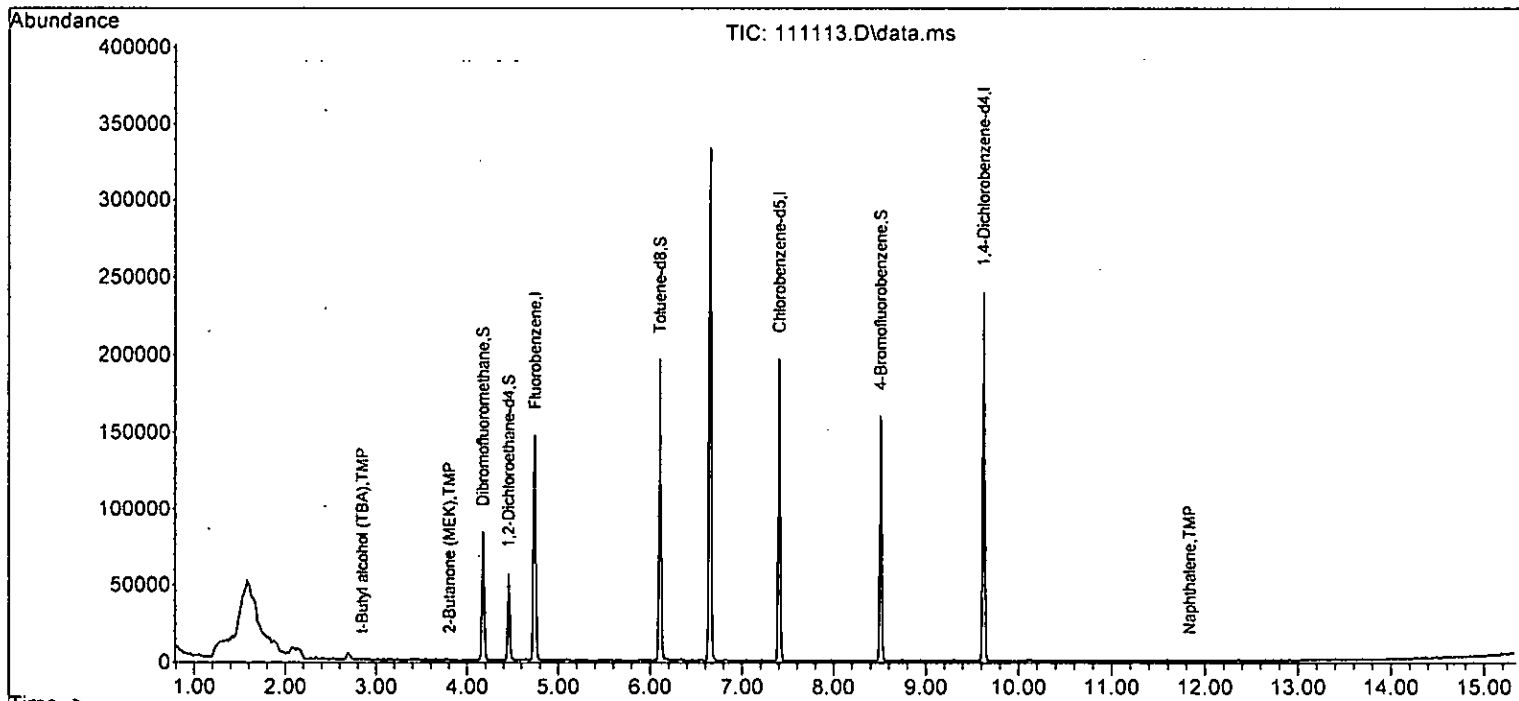
Quant Time: Nov 14 08:08:03 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 Qlast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.000		0		N.D.	
38) cis-1,3-Dichloropropene	0.000		0		N.D.	
40] Toluene	6.164	92	108		Below Cal	86
41) trans-1,3-Dichloropropene	6.333	75	43		N.D.	
42) 1,1,2-Trichloroethane	0.000		0		N.D. d	
43) 2-Hexanone	0.000		0		N.D. d	
44) 1,3-Dichloropropane	6.844	76	108		N.D.	
45] Tetrachloroethene	6.648	164	82229	20.049	ppb	96
46) Dibromochloromethane	6.791	129	48		Below Cal #	11
47) 1,2-Dibromoethane (EDB)	0.000		0		N.D.	
48) Chlorobenzene	7.439	112	27		N.D.	
49) Ethylbenzene	7.539	91	94		N.D.	
50) 1,1,1,2-Tetrachloroethane	0.000		0		N.D.	
51] m,p-Xylene	7.651	106	98	0.015	ppb #	75
52) o-Xylene	8.021	106	39		N.D.	
53) Styrene	0.000		0		N.D.	
54) Isopropylbenzene	8.516	105	34		N.D.	
55) Bromoform	0.000		0		N.D.	
58) n-Propylbenzene	8.766	91	40		N.D.	
59) Bromobenzene	0.000		0		N.D.	
60) 1,3,5-Trimethylbenzene	8.930	105	59		N.D.	
61) 1,1,2,2-Tetrachloroethane	8.663	83	26		Below Cal #	25
62) 1,2,3-Trichloropropane	8.792	75	27		N.D.	
63) 2-Chlorotoluene	8.766	91	40		N.D.	
64) 4-Chlorotoluene	8.938	91	146		N.D.	
65) tert-Butylbenzene	0.000		0		N.D.	
66) 1,2,4-Trimethylbenzene	9.291	105	149		N.D.	
67) sec-Butylbenzene	9.291	105	149		N.D.	
68) p-Isopropyltoluene	9.617	119	55		N.D.	
69) 1,3-Dichlorobenzene	9.624	146	54		N.D.	
70) 1,4-Dichlorobenzene	9.651	146	26		N.D.	
71) 1,2-Dichlorobenzene	10.012	146	24		N.D.	
72) 1,2-Dibromo-3-chloropr...	0.000		0		N.D.	
73) 1,2,4-Trichlorobenzene	11.599	180	72		N.D.	
74) Hexachlorobutadiene	0.000		0		N.D.	
75) Naphthalene	11.834	128	190	0.094	ppb	69
76) 1,2,3-Trichlorobenzene	12.084	180	26		N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS13\11-11-22\
 Data File : 111113.D
 Acq On : 11 Nov 2022 12:22 pm
 Operator : WE
 Sample : 211162-05 1/0.25
 Misc : soil
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS13

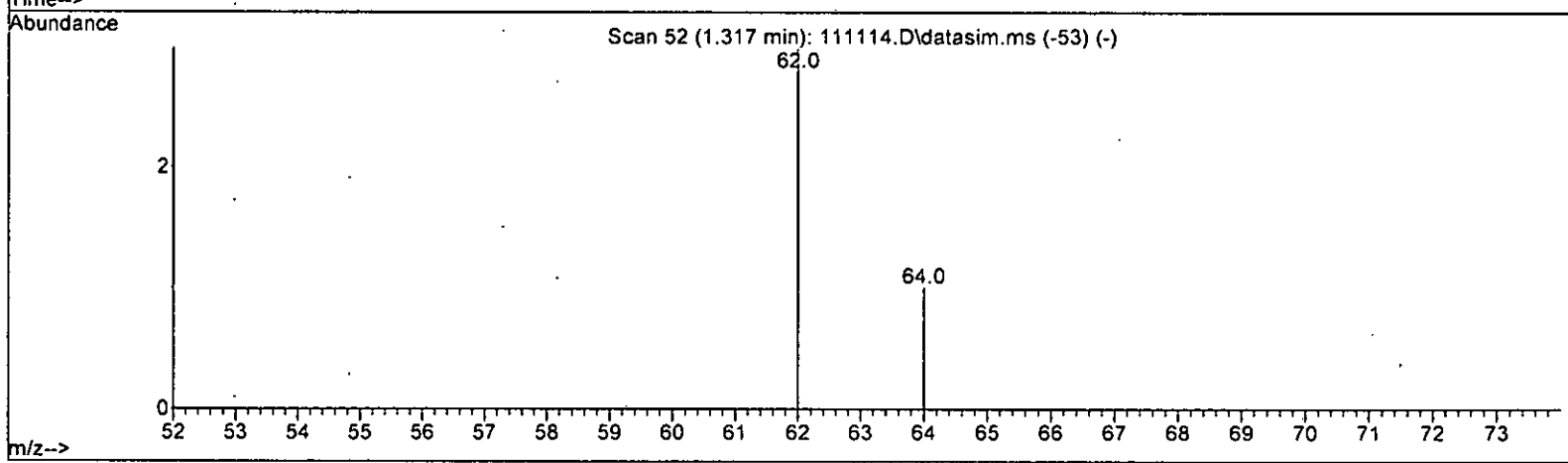
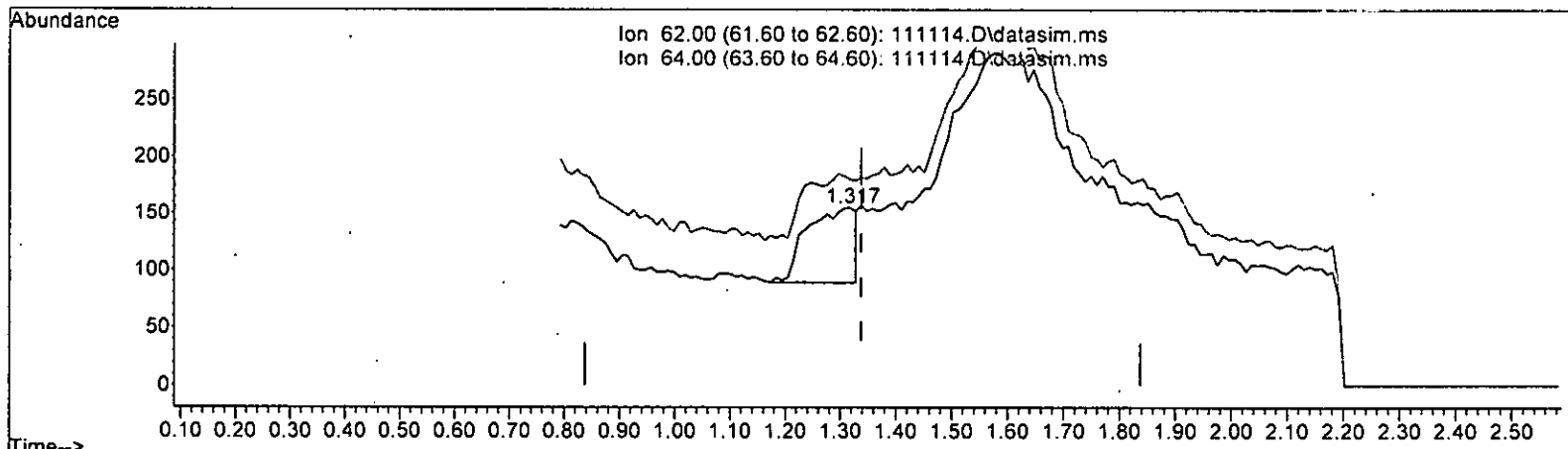
Quant Time: Nov 14 08:08:03 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LI
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth: VM080322.M



Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-11-22\
 Data File : 111114.D
 Acq On : 11 Nov 2022 12:45 pm
 Operator : WE.
 Sample : 211162-06 1/0.25
 Misc : soil
 ALS Vial : 11 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 14 08:08:07 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



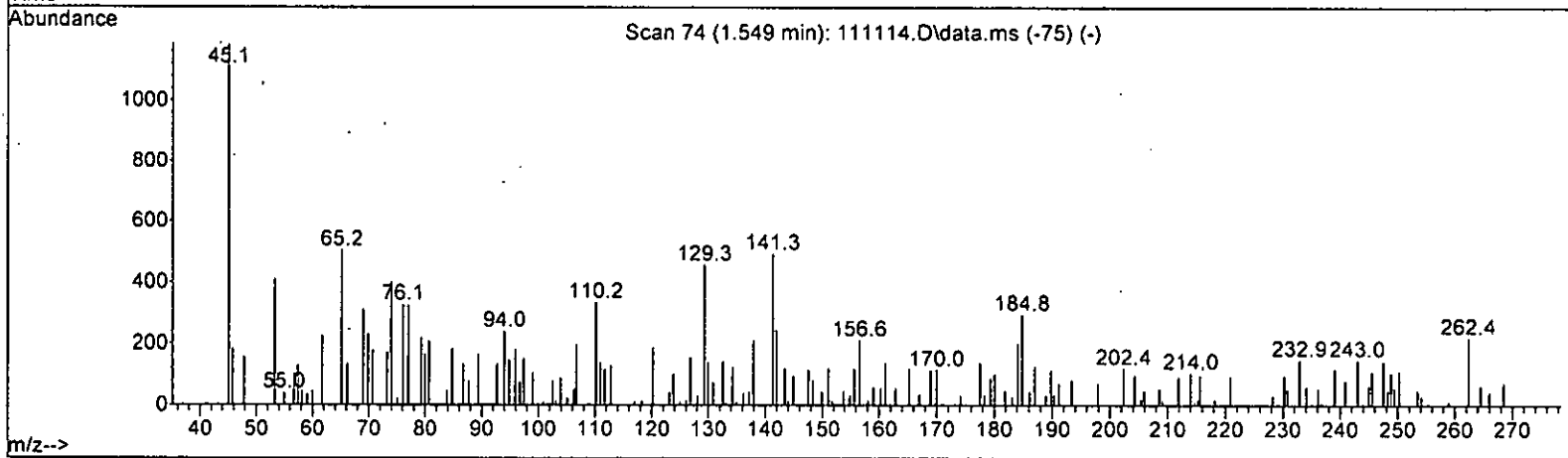
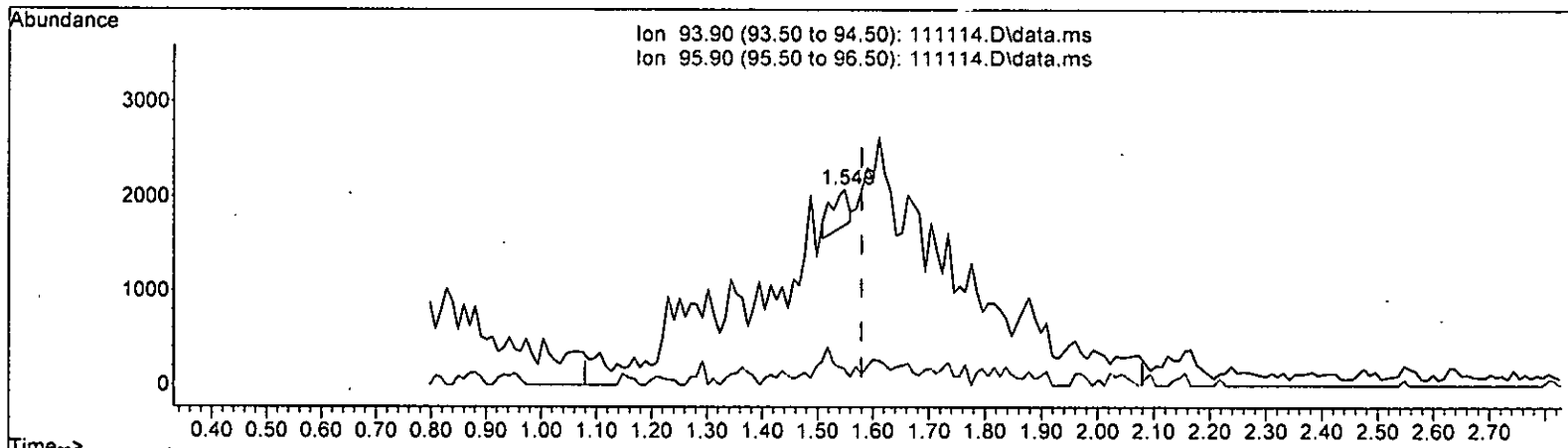
TIC: 111114.D\data.ms

(6) Vinyl chloride (TMP)		
1.317min (-0.021) 0.069 ppb		
response	401	
Ion	Exp%	Act%
62.00	100.00	100.00
64.00	34.40	75.76#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-11-22\
 Data File : 111114.D
 Acq On : 11 Nov 2022 12:45 pm
 Operator : WE
 Sample : 211162-06 1/0.25
 Misc : soil
 ALS Vial : 11 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 14 08:08:07 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 111114.D\data.ms

(7) Bromomethane (TMP)

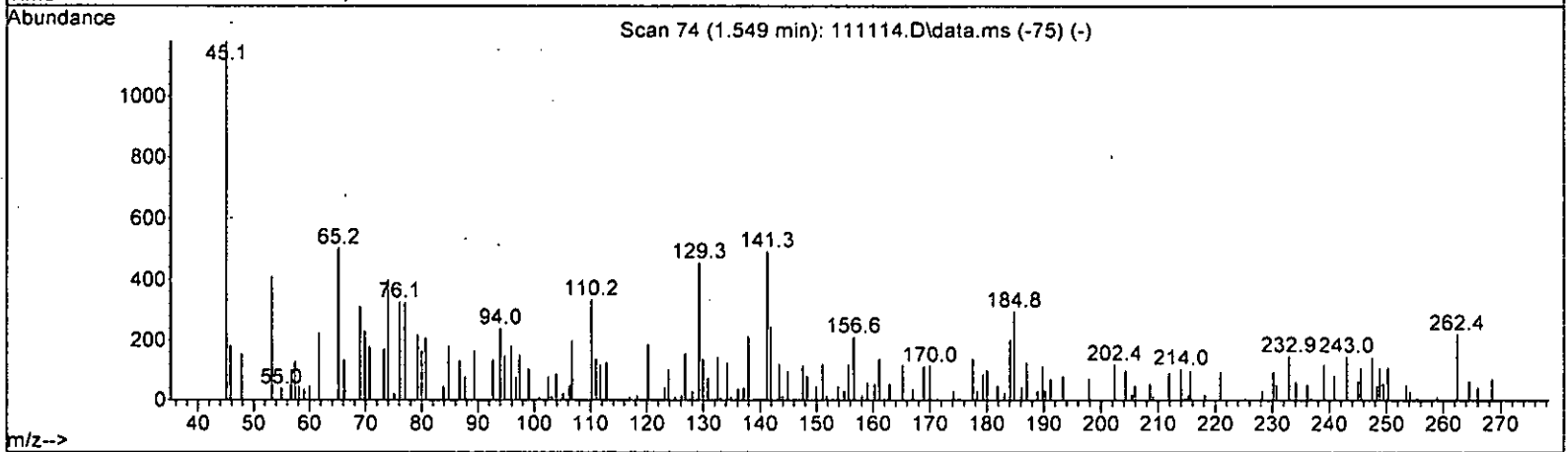
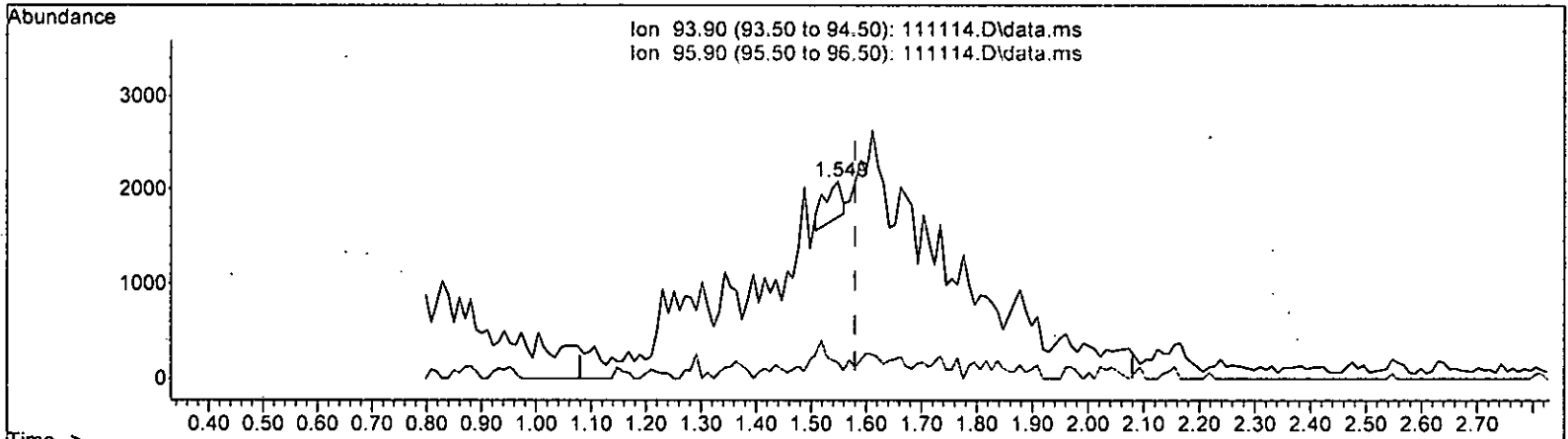
1.549min (-0.031) 0.188 ppb

response	919
Ion	Exp% Act%
93.90	100.00 100.00
95.90	93.50 28.07#
0.00	0.00 0.00
0.00	0.00 0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-11-22\
 Data File : 111114.D
 Acq On : 11 Nov 2022 12:45 pm
 Operator : WE
 Sample : 211162-06 1/0.25
 Misc : soil
 ALS Vial : 11 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 14 08:08:07 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



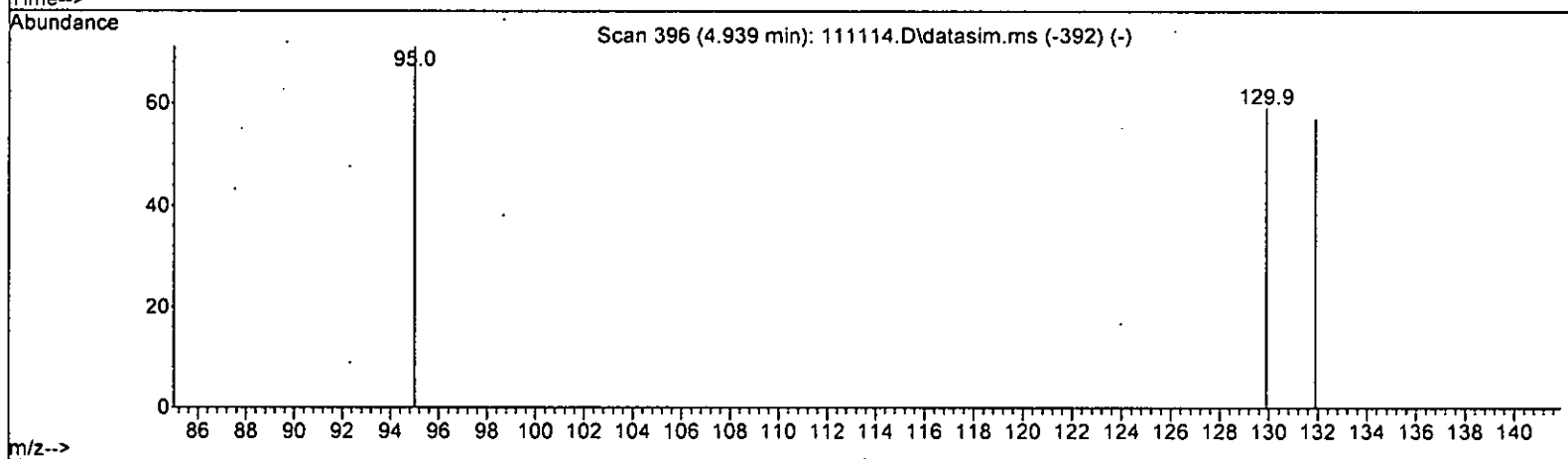
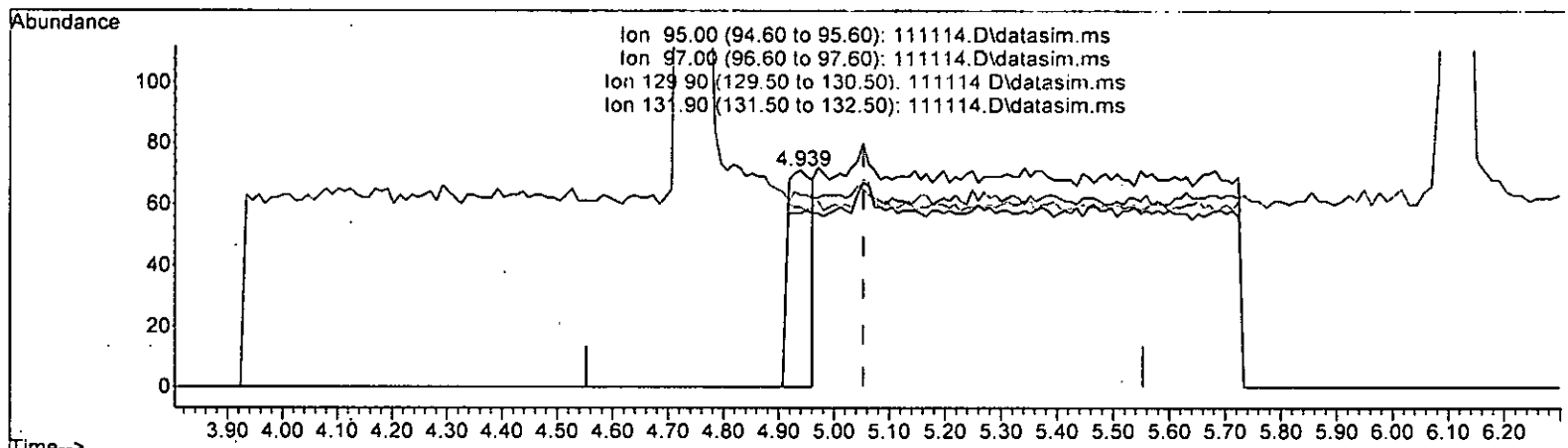
TIC: 111114.D\data.ms

(7) Bromomethane (TMP)		
1.549min (-0.031)	0.188 ppb	
response	919	
Ion	Exp%	Act%
93.90	100.00	100.00
95.90	93.50	28.07#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-11-22\
 Data File : 111114.D
 Acq On : 11 Nov 2022 12:45 pm
 Operator : WE
 Sample : 211162-06 1/0.25
 Misc : soil
 ALS Vial : 11 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 14 08:08:07 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



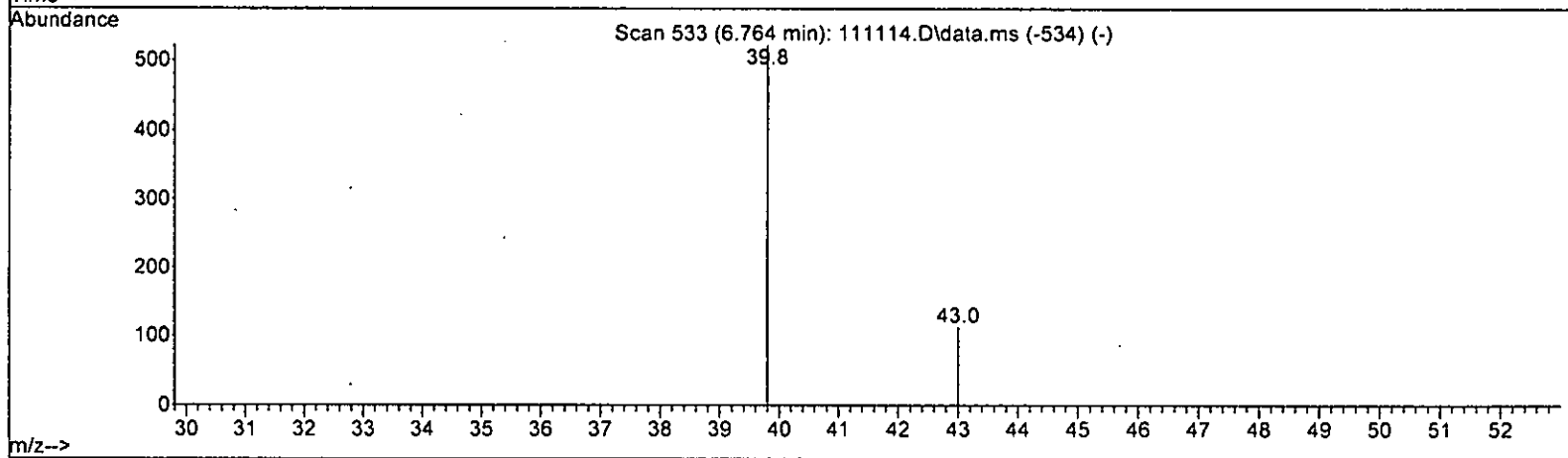
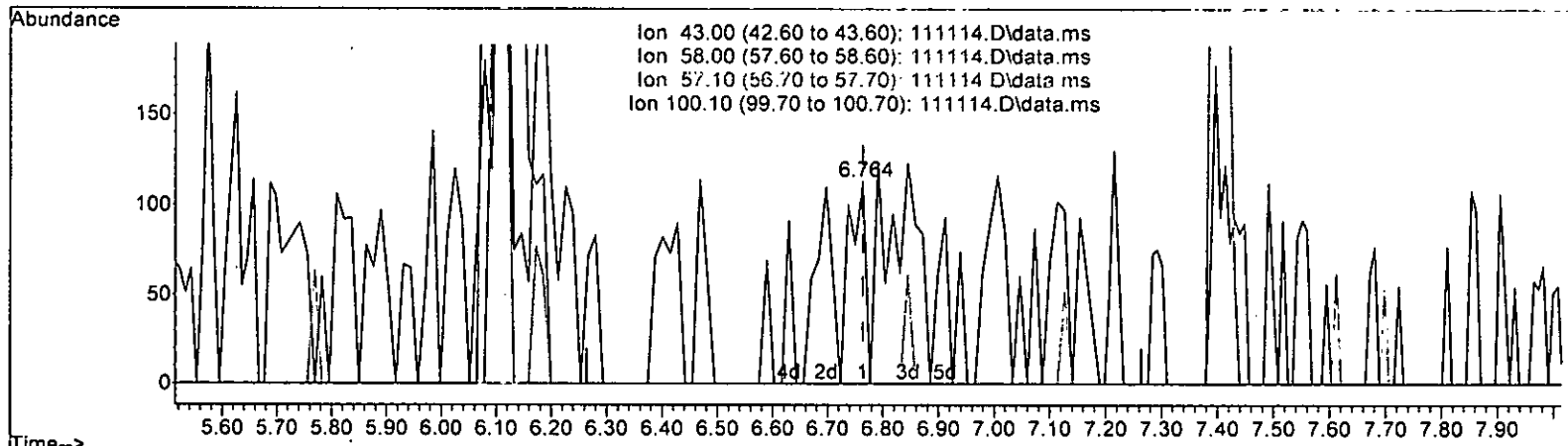
TIC: 111114.D\data.ms

(32) Trichloroethene (TMP)		
4.939min (-0.114) 0.053 ppb		
response	220	
Ion	Exp%	Act%
95.00	100.00	100.00
97.00	64.60	1.41#
129.90	103.40	83.10
131.90	95.80	80.28

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-11-22\
 Data File : 111114.D
 Acq On : 11 Nov 2022 12:45 pm
 Operator : WE
 Sample : 211162-06 1/0.25
 Misc : soil
 ALS Vial : 11 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 14 08:08:07 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 111114.D\data.ms

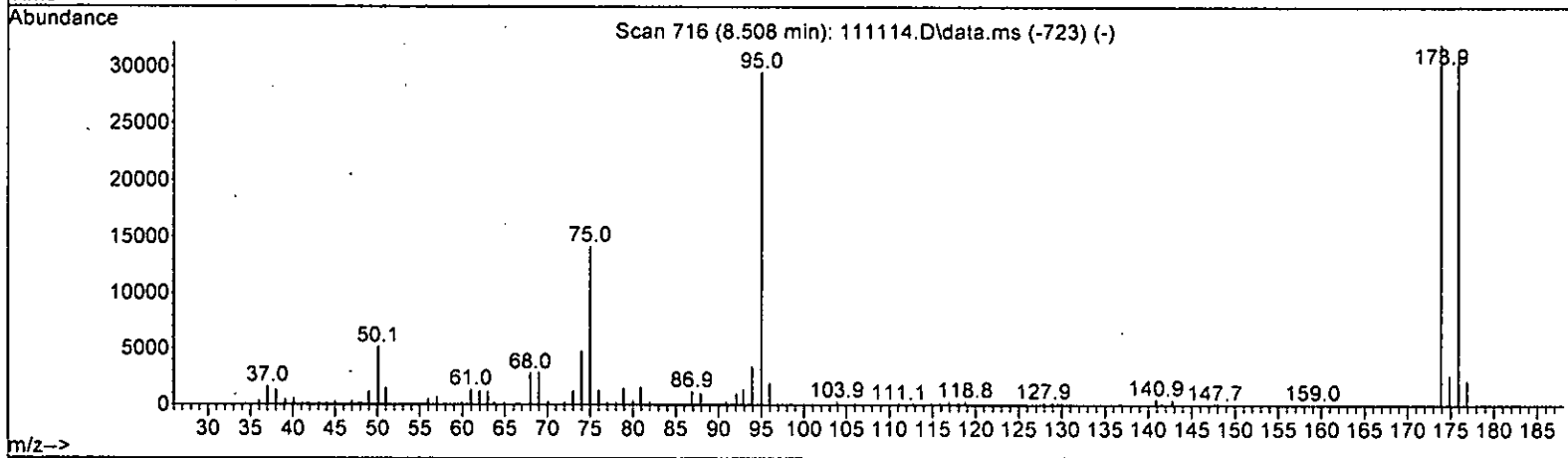
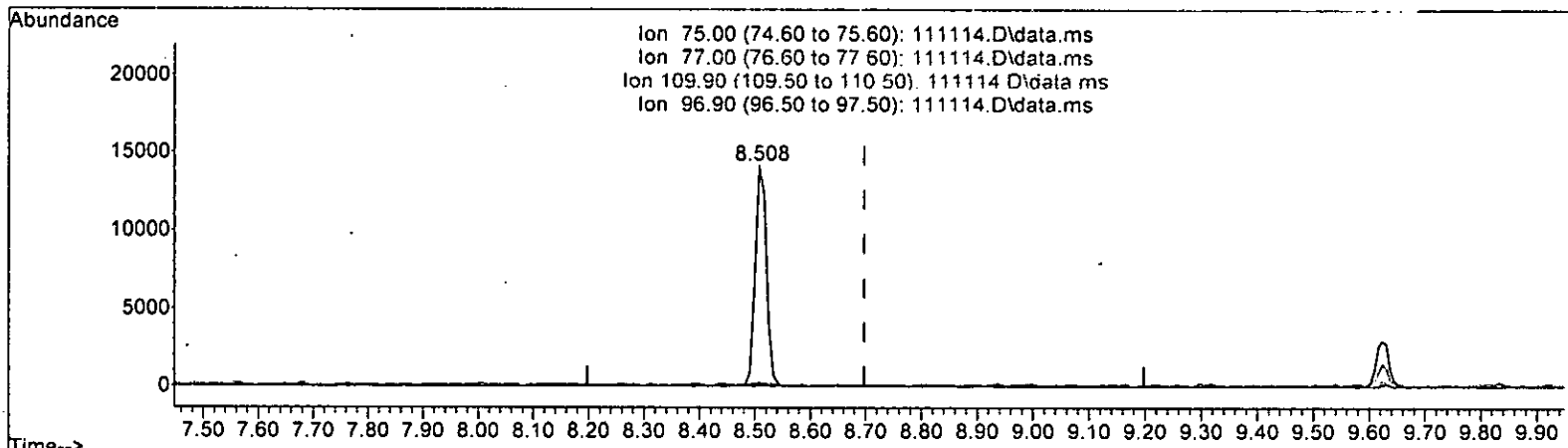
Ion	Exp%	Act%
43.00	100.00	100.00
58.00	51.50	0.00#
57.10	16.30	0.00
100.10	10.20	0.00

(43) 2-Hexanone (TMP)
 6.764min (-0.000) 0.119 ppb
 response 235

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-11-22\
 Data File : 111114.D
 Acq On : 11 Nov 2022 12:45 pm
 Operator : WE
 Sample : 211162-06 1/0.25
 Misc : soil
 ALS Vial : 11 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 14 08:08:07 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 111114.D\data.ms

(62) 1,2,3-Trichloropropane (TMP)

8.508min (-0.190) 6.569 ppb

response	19786	
Ion	Exp%	Act%
75.00	100.00	100.00
77.00	34.00	1.14#
109.90	36.50	0.00#
96.90	22.60	0.42

Data Path : Y:\Proc_GCMS13\11-11-22\
 Data File : 111114.D
 Acq On : 11 Nov 2022 12:45 pm
 Operator : WE
 Sample : 211162-06 1/0.25
 Misc : soil
 ALS Vial : 11 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 14 08:08:07 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

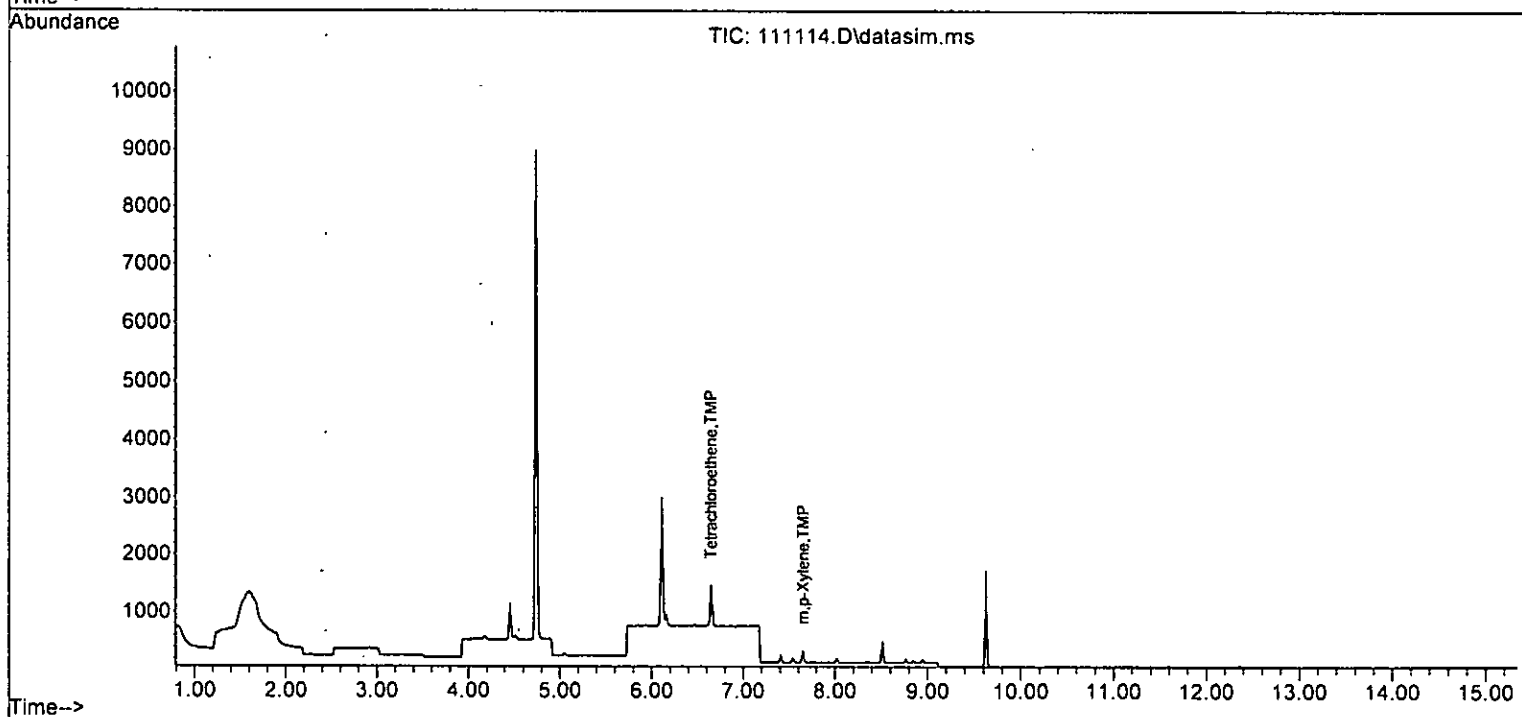
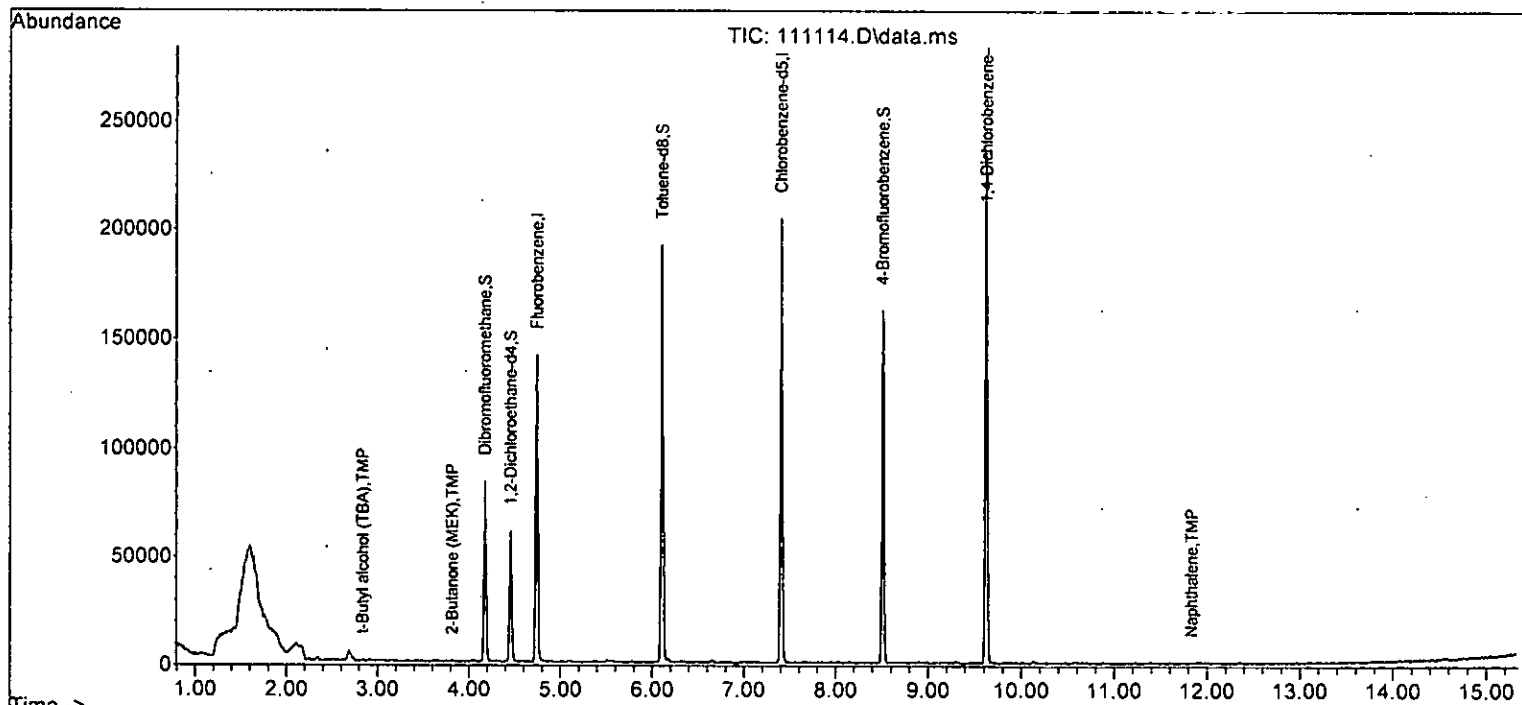
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

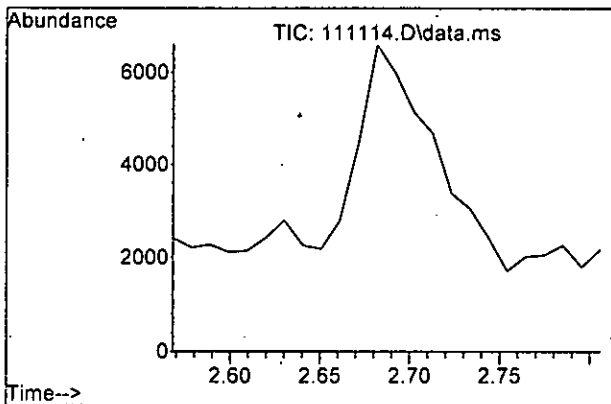
Internal Standards						
1) Fluorobenzene	4.746	96	113307	10.000	ppb	0.00
39) Chlorobenzene-d5	7.405	117	104048	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.624	152	61945	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.175	113	36832	10.136	ppb	0.00
Spiked Amount	10.000	Range 50 - 150	Recovery	=	101.40%	
30) 1,2-Dichloroethane-d4	4.455	102	6852	9.731	ppb	0.00
Spiked Amount	10.000	Range 84 - 120	Recovery	=	97.30%	
35) Toluene-d8	6.105	98	107474	9.945	ppb	0.00
Spiked Amount	10.000	Range 73 - 128	Recovery	=	99.50%	
57) 4-Bromofluorobenzene	8.508	95	42107	9.865	ppb	0.00
Spiked Amount	10.000	Range 57 - 146	Recovery	=	98.70%	
Target Compounds						
11) Acetone	2.331	58	250	Below Cal	#	1
14) Methylene chloride	2.682	84	2846	Below Cal		95
15) t-Butyl alcohol (TBA)	2.837	59	55	0.202	ppb #	1
24) 2-Butanone (MEK)	3.815	43	617	0.178	ppb	83
26] 1,2-Dichloroethane (EDC)	4.527	62	78	Below Cal		97
40] Toluene	6.164	92	111	Below Cal		88
42] 1,1,2-Trichloroethane	6.648	83	20	Below Cal	#	33
45] Tetrachloroethene	6.648	164	275	0.046	ppb	95
46) Dibromochloromethane	6.791	129	83	Below Cal	#	11
51] m,p-Xylene	7.651	106	104	0.016	ppb	81
75) Naphthalene	11.834	128	281	0.103	ppb	69

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS13\11-11-22\
 Data File : 111114.D
 Acq On : 11 Nov 2022 12:45 pm
 Operator : WE
 Sample : 211162-06 1/0.25
 Misc : soil
 ALS Vial : 11 Sample Multiplier: 1
 InstName : GCMS13

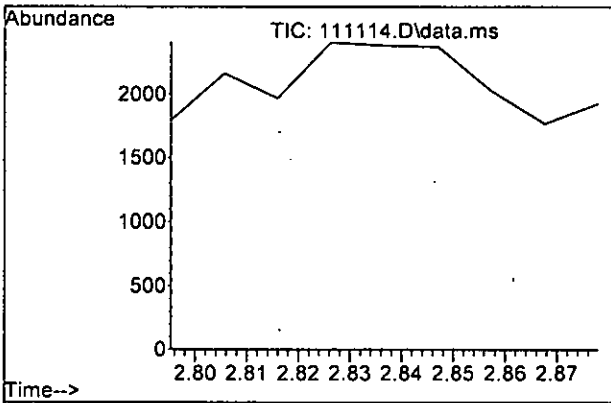
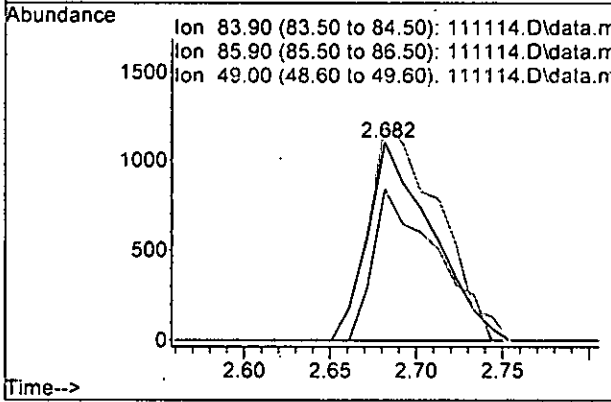
Quant Time: Nov 14 08:08:07 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M





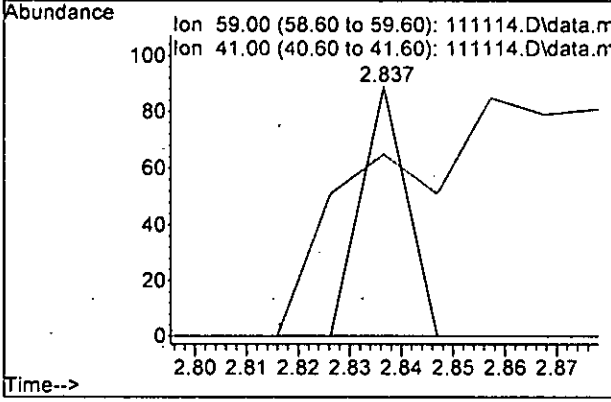
#14
 Methylene chloride
 Concen: Below Cal
 RT: 2.682 min Scan# 178
 Delta R.T. -0.000 min
 Lab File: 111114.D
 Acq: 11 Nov 2022 12:45 pm

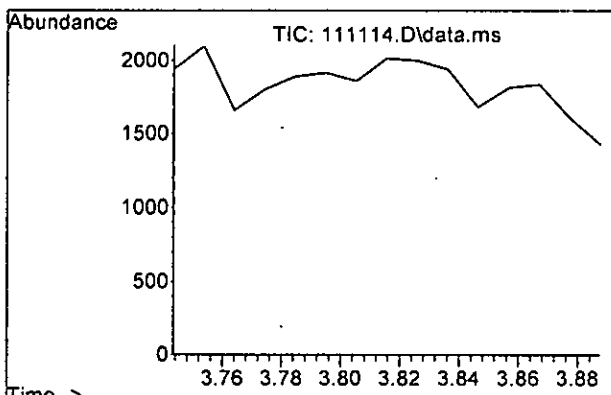
Tgt Ion	Ratio	Lower	Upper
84	100		
86	76.1	37.1	97.1
49	109.2	81.3	141.3



#15
 t-Butyl alcohol (TBA)
 Concen: 0.202 ppb
 RT: 2.837 min Scan# 193
 Delta R.T. 0.021 min
 Lab File: 111114.D
 Acq: 11 Nov 2022 12:45 pm

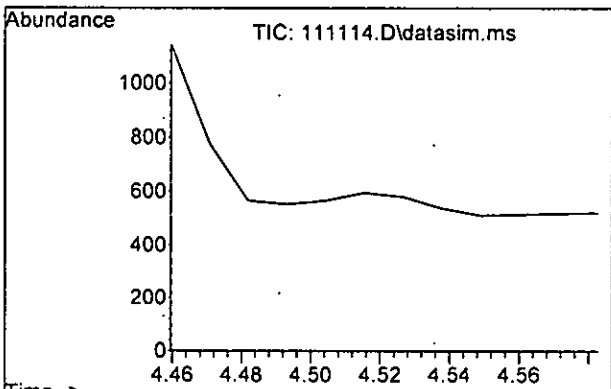
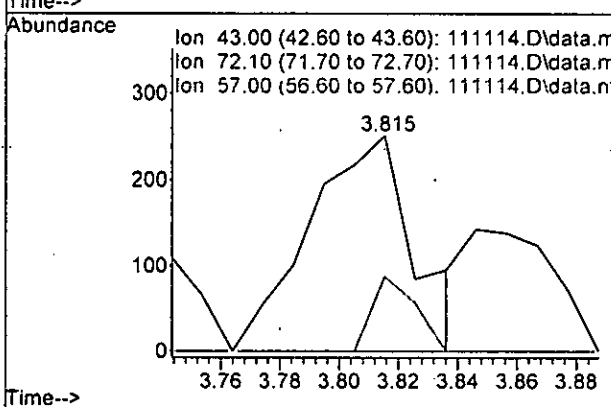
Tgt Ion	Ratio	Lower	Upper
59	100		
41	73.0	0.0	52.9#





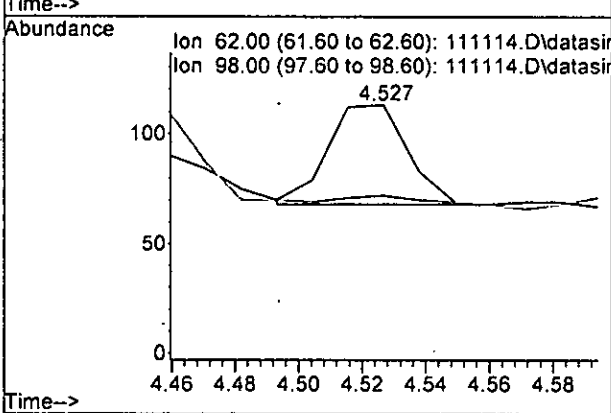
#24
 2-Butanone (MEK)
 Concen: 0.178 ppb
 RT: 3.815 min Scan# 284
 Delta R.T. 0.020 min
 Lab File: 111114.D
 Acq: 11 Nov 2022 12:45 pm

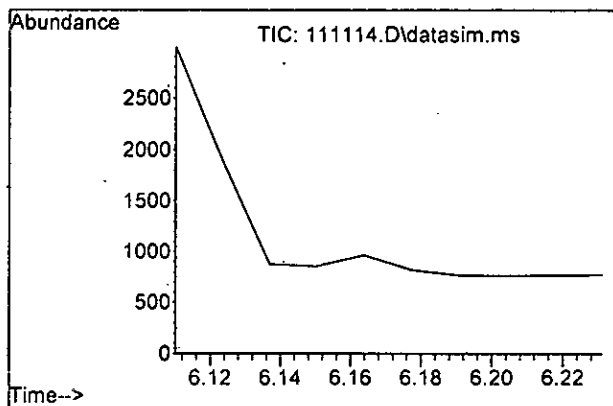
Tgt Ion	Ratio	Lower	Upper
43	100		
72	35.1	0.0	57.0
57	0.0	0.0	28.0



#26
 1,2-Dichloroethane (EDC)
 Concen: Below Cal
 RT: 4.527 min Scan# 359
 Delta R.T. -0.000 min
 Lab File: 111114.D
 Acq: 11 Nov 2022 12:45 pm

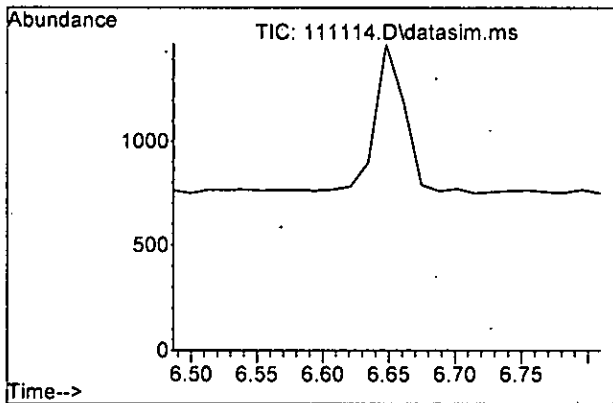
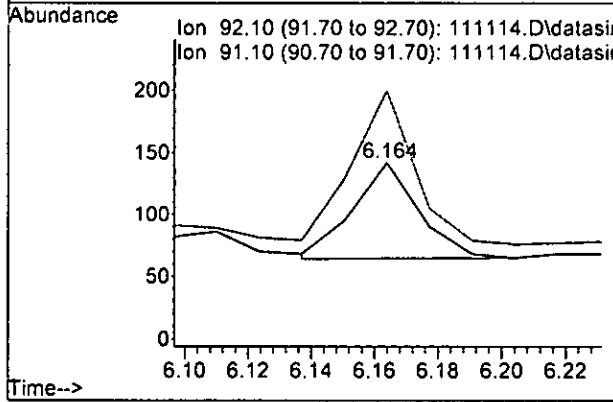
Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	40.1





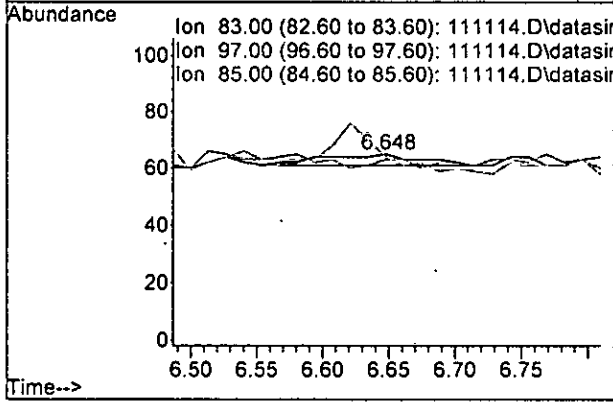
#40
 Toluene
 Concen: Below Cal
 RT: 6.164 min Scan# 505
 Delta R.T. -0.000 min
 Lab File: 111114.D
 Acq: 11 Nov 2022 12:45 pm

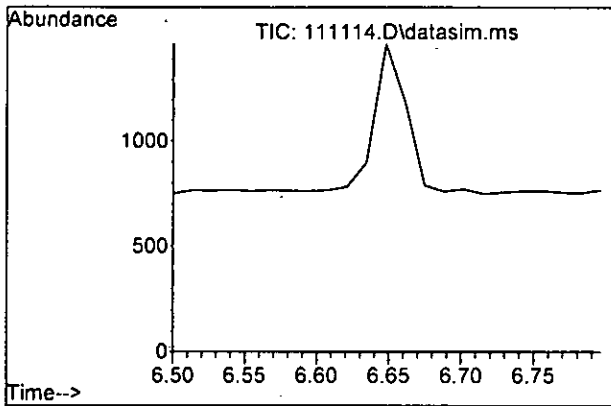
Tgt Ion: 92 Resp: 111
 Ion Ratio Lower Upper
 92 100
 91 161.0 148.5 208.5



#42
 1,1,2-Trichloroethane
 Concen: Below Cal
 RT: 6.648 min Scan# 541
 Delta R.T. 0.121 min
 Lab File: 111114.D
 Acq: 11 Nov 2022 12:45 pm

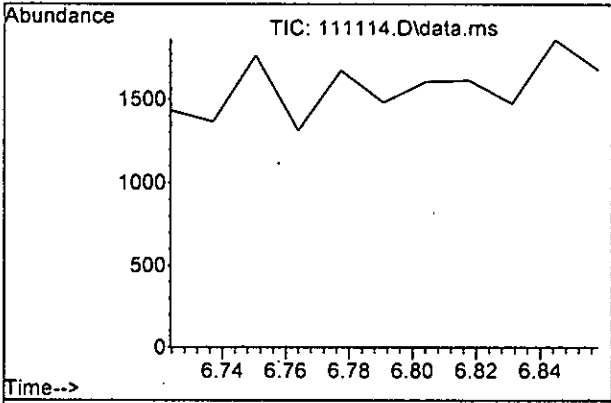
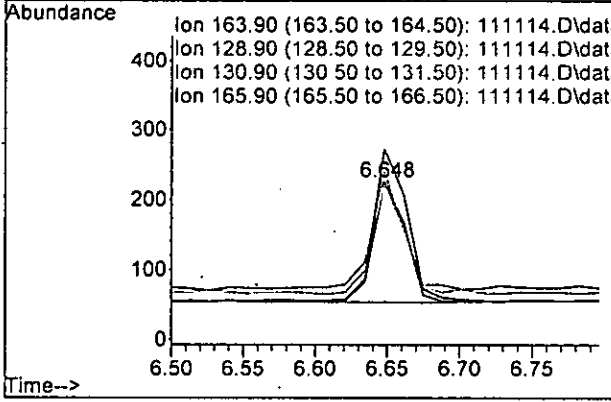
Tgt Ion: 83 Resp: 20
 Ion Ratio Lower Upper
 83 100
 97 50.0 88.0 148.0#
 85 125.0 35.3 95.3#





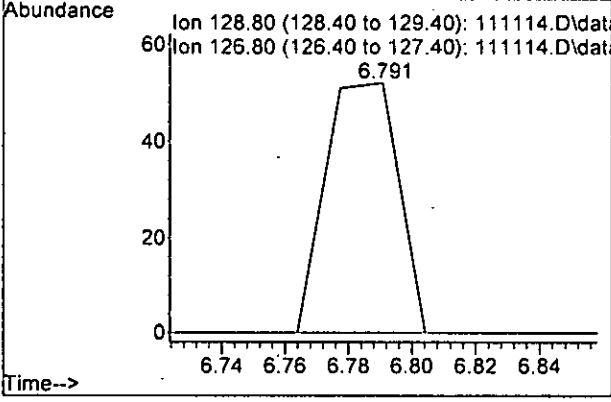
#45
 Tetrachloroethene
 Concen: 0.046 ppb
 RT: 6.648 min Scan# 541
 Delta R.T. -0.000 min
 Lab File: 111114.D
 Acq: 11 Nov 2022 12:45 pm

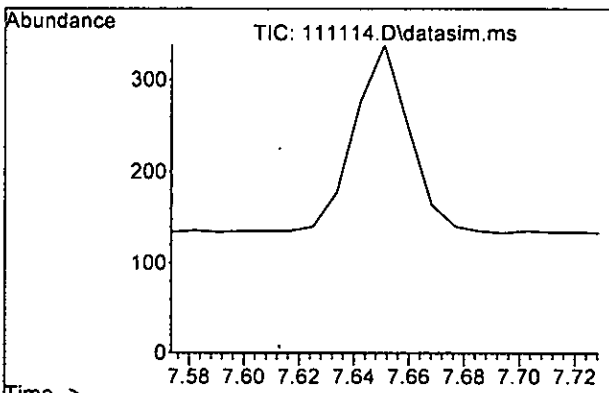
Tgt Ion	Ratio	Lower	Upper
164	100		
129	97.1	72.1	132.1
131	90.7	64.8	124.8
166	125.6	90.0	150.0



#46
 Dibromochloromethane
 Concen: Below Cal
 RT: 6.791 min Scan# 535
 Delta R.T. -0.094 min
 Lab File: 111114.D
 Acq: 11 Nov 2022 12:45 pm

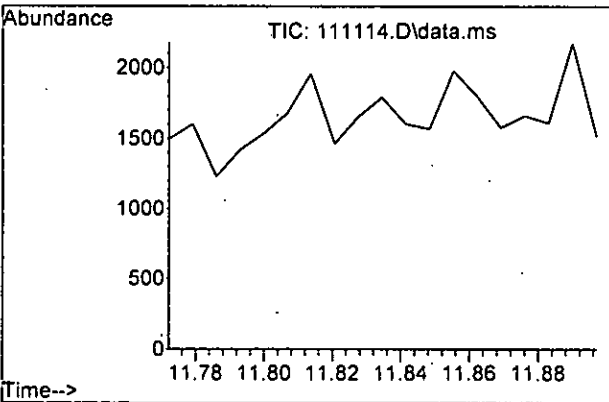
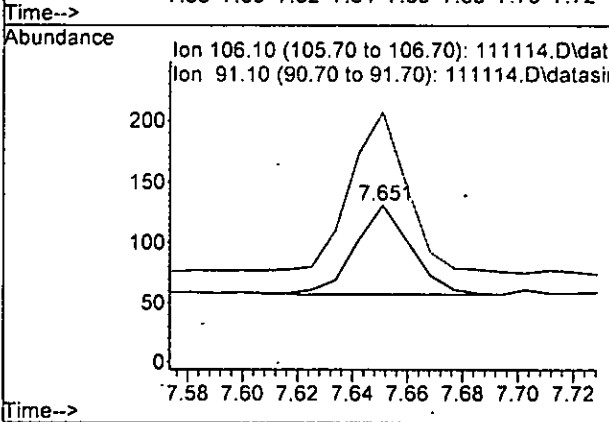
Tgt Ion	Ratio	Lower	Upper
129	100		
127	0.0	46.8	106.8#





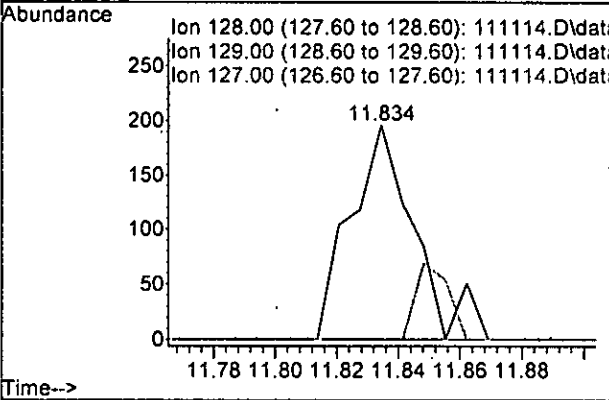
#51
 m,p-Xylene
 Concen: 0.016 ppb
 RT: 7.651 min Scan# 635
 Delta R.T. -0.000 min
 Lab File: 111114.D
 Acq: 11 Nov 2022 12:45 pm

Tgt Ion:106 Resp: 104
 Ion Ratio Lower Upper
 106 100
 91 177.0 175.7 235.7



#75
 Naphthalene
 Concen: 0.103 ppb
 RT: 11.834 min Scan# 1177
 Delta R.T. -0.001 min
 Lab File: 111114.D
 Acq: 11 Nov 2022 12:45 pm

Tgt Ion:128 Resp: 281
 Ion Ratio Lower Upper
 128 100
 129 0.0 0.0 40.8
 127 0.0 0.0 43.1



Data Path : Y:\Proc_GCMS13\11-11-22\
 Data File : 111114.D
 Acq On : 11 Nov 2022 12:45 pm
 Operator : WE
 Sample : 211162-06 1/0.25
 Misc : soil
 ALS Vial : 11 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 14 08:08:07 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 Qlast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	4.746	96	113307	10.000	ppb	0.00	
39) Chlorobenzene-d5	7.405	117	104048	10.000	ppb	0.00	
56) 1,4-Dichlorobenzene-d4	9.624	152	61945	10.000	ppb	0.00	
System Monitoring Compounds							
3) Dibromofluoromethane	4.175	113	36832	10.136	ppb	0.00	
Spiked Amount	10.000	Range 50 - 150	Recovery =	101.40%			
30) 1,2-Dichloroethane-d4	4.455	102	6852	9.731	ppb	0.00	
Spiked Amount	10.000	Range 84 - 120	Recovery =	97.30%			
35) Toluene-d8	6.105	98	107474	9.945	ppb	0.00	
Spiked Amount	10.000	Range 73 - 128	Recovery =	99.50%			
57) 4-Bromofluorobenzene	8.508	95	42107	9.865	ppb	0.00	
Spiked Amount	10.000	Range 57 - 146	Recovery =	98.70%			
Target Compounds							
2) Ethanol	2.352	45	204	No Calib			Qvalue
4) Dichlorodifluoromethane	1.138	85	31	N.D.			
5) Chloromethane	1.230	50	626	N.D.			
6) Vinyl chloride	0.000		0	N.D. d			
7) Bromomethane	0.000		0	N.D. d			
8) Chloroethane	0.000		0	N.D.			
9) Trichlorofluoromethane	1.817	101	92	N.D.			
10) 2-Propanol	2.352	45	204	No Calib #			
11) Acetone	2.331	58	250	Below Cal #		1	
12) 1,1-Dichloroethene	0.000		0	N.D.			
13) Hexane	3.156	57	238	N.D.			
14) Methylene chloride	2.682	84	2846	Below Cal		95	
15) t-Butyl alcohol (TBA)	2.837	59	55	0.202 ppb #		1	
16) Methyl t-butyl ether (...)	0.000		0	N.D.			
17) trans-1,2-Dichloroethene	0.000		0	N.D.			
18) Diisopropyl ether (DIPE)	0.000		0	N.D.			
19) 1,1-Dichloroethane	0.000		0	N.D.			
20) Ethyl t-butyl ether (E...)	0.000		0	N.D.			
21) 2,2-Dichloropropane	3.795	77	206	N.D.			
22) cis-1,2-Dichloroethene	0.000		0	N.D.			
23) Chloroform	0.000		0	N.D.			
24) 2-Butanone (MEK)	3.815	43	617	0.178 ppb		83	
25) t-Amyl methyl ether (T...)	0.000		0	N.D.			
26] 1,2-Dichloroethane (EDC)	4.527	62	78	Below Cal		97	
27) 1,1,1-Trichloroethane	0.000		0	N.D.			
28) 1,1-Dichloropropene	0.000		0	N.D.			
29) Carbon tetrachloride	0.000		0	N.D.			
31) Benzene	0.000		0	N.D.			
32) Trichloroethene	0.000		0	N.D. d			
33) 1,2-Dichloropropane	5.275	63	48	N.D.			
34) Bromodichloromethane	0.000		0	N.D.			
36) Dibromomethane	0.000		0	N.D.			

Data Path : Y:\Proc_GCMS13\11-11-22\
 Data File : 111114.D
 Acq On : 11 Nov 2022 12:45 pm
 Operator : WE
 Sample : 211162-06 1/0.25
 Misc : soil
 ALS Vial : 11 Sample Multiplier: 1
 InstName : GCMS13

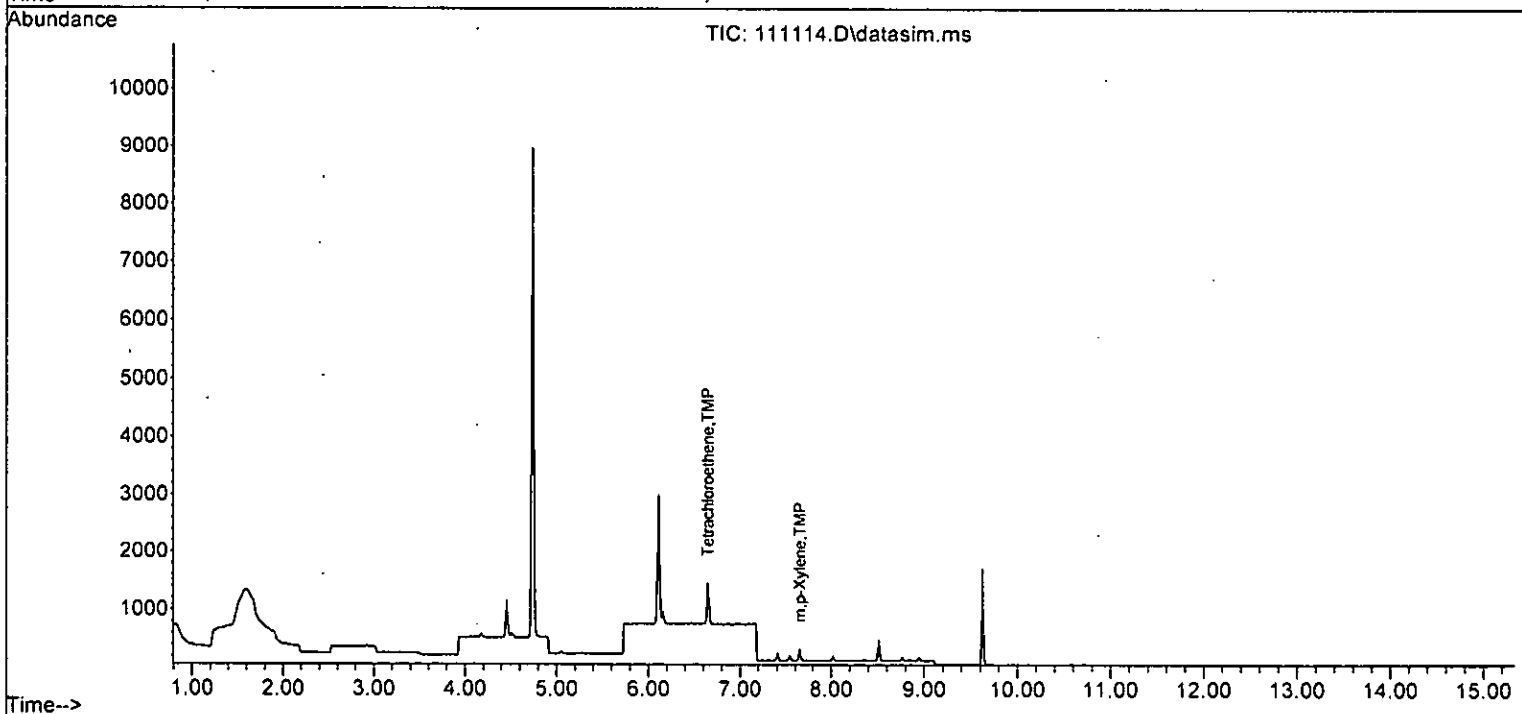
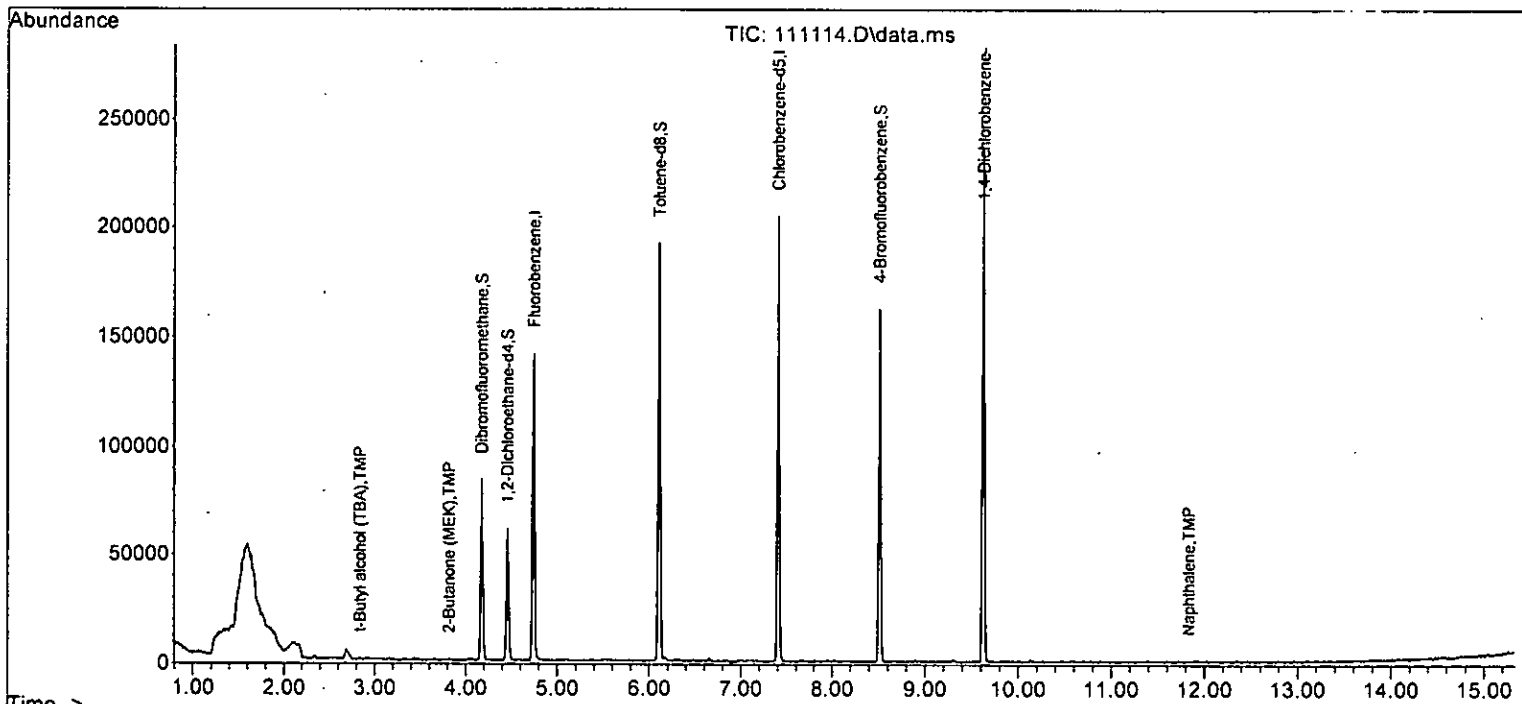
Quant Time: Nov 14 08:08:07 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.000		0		N.D.	
38) cis-1,3-Dichloropropene	0.000		0		N.D.	
40] Toluene	6.164	92	111		Below Cal	88
41) trans-1,3-Dichloropropene	6.266	75	312		N.D.	
42] 1,1,2-Trichloroethane	6.648	83	20		Below Cal #	33
43) 2-Hexanone	0.000		0		N.D. d	
44) 1,3-Dichloropropane	0.000		0		N.D.	
45] Tetrachloroethene	6.648	164	275		0.046 ppb	95
46) Dibromochloromethane	6.791	129	83		Below Cal #	11
47) 1,2-Dibromoethane (EDB)	0.000		0		N.D.	
48) Chlorobenzene	0.000		0		N.D.	
49) Ethylbenzene	7.539	91	102		N.D.	
50) 1,1,1,2-Tetrachloroethane	0.000		0		N.D.	
51] m,p-Xylene	7.651	106	104		0.016 ppb	81
52) o-Xylene	8.022	106	35		N.D.	
53) Styrene	0.000		0		N.D.	
54) Isopropylbenzene	8.361	105	66		N.D.	
55) Bromoform	0.000		0		N.D.	
58) n-Propylbenzene	8.775	91	102		N.D.	
59) Bromobenzene	8.516	156	80		N.D.	
60) 1,3,5-Trimethylbenzene	8.939	105	128		N.D.	
61) 1,1,2,2-Tetrachloroethane	0.000		0		N.D.	
62) 1,2,3-Trichloropropane	0.000		0		N.D. d	
63) 2-Chlorotoluene	8.775	91	102		N.D.	
64) 4-Chlorotoluene	8.930	91	132		N.D.	
65) tert-Butylbenzene	0.000		0		N.D.	
66) 1,2,4-Trimethylbenzene	9.298	105	273		N.D.	
67) sec-Butylbenzene	9.464	105	76		N.D.	
68) p-Isopropyltoluene	0.000		0		N.D.	
69) 1,3-Dichlorobenzene	9.617	146	24		N.D.	
70) 1,4-Dichlorobenzene	9.617	146	24		N.D.	
71) 1,2-Dichlorobenzene	0.000		0		N.D.	
72) 1,2-Dibromo-3-chloropr...	10.753	75	23		N.D.	
73) 1,2,4-Trichlorobenzene	11.599	180	69		N.D.	
74) Hexachlorobutadiene	0.000		0		N.D.	
75) Naphthalene	11.834	128	281		0.103 ppb	69
76) 1,2,3-Trichlorobenzene	0.000		0		N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS13\11-11-22\
 Data File : 111114.D
 Acq On : 11 Nov 2022 12:45 pm
 Operator : WE
 Sample : 211162-06 1/0.25
 Misc : soil
 ALS Vial : 11 Sample Multiplier: 1
 InstName : GCMS13

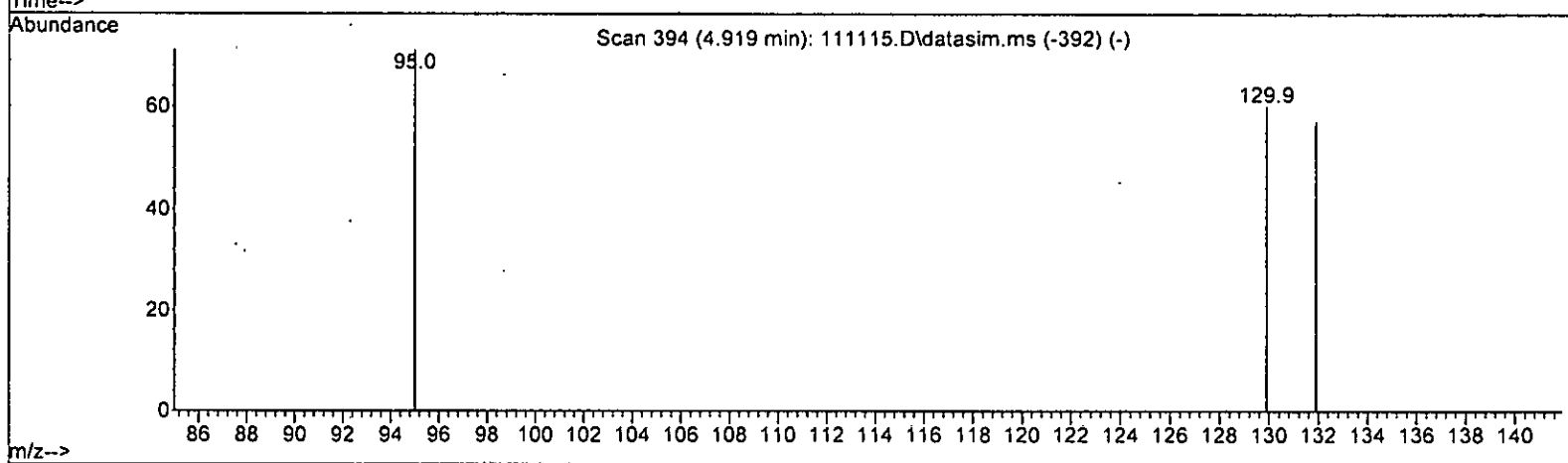
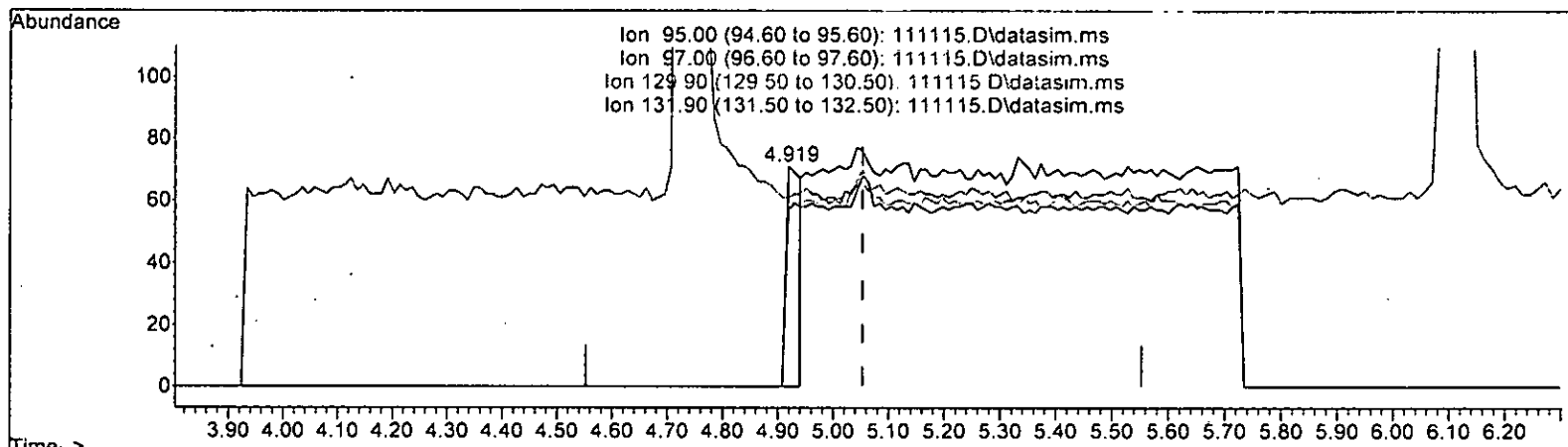
Quant Time: Nov 14 08:08:07 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration.
 DataAcq Meth:VM080322.M



Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-11-22\
 Data File : 111115.D
 Acq On : 11 Nov 2022 01:09 pm
 Operator : WE
 Sample : 211162-07 1/0.25
 Misc : soil
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 14 08:08:11 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 111115.D\data.ms

(32) Trichloroethene (TME)

4.919min (-0.134) 0.032 ppb

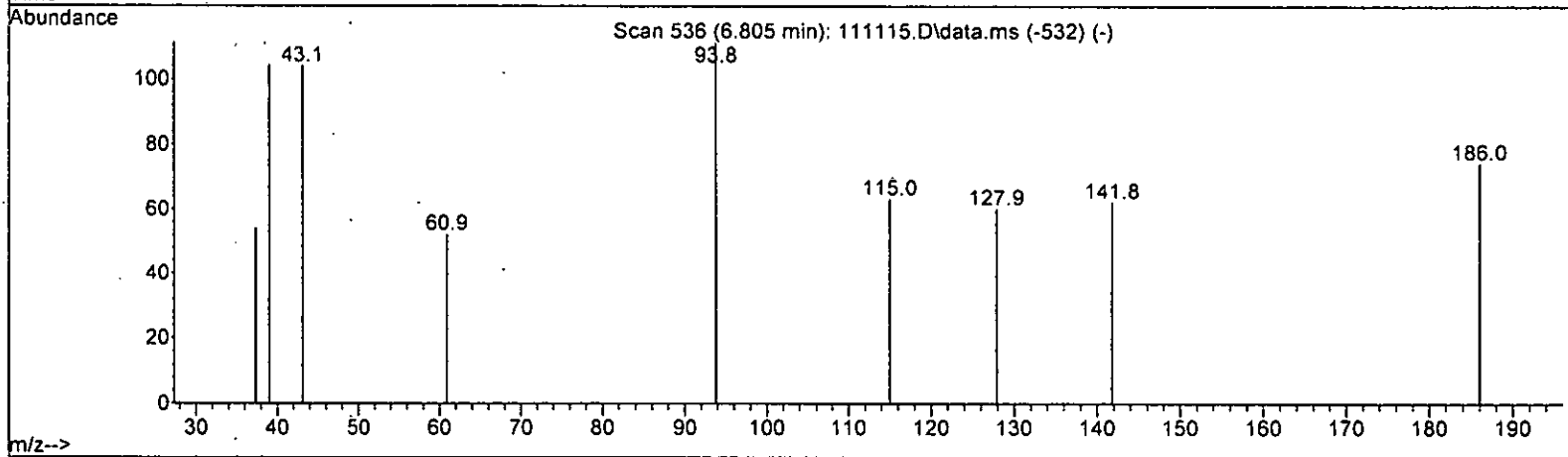
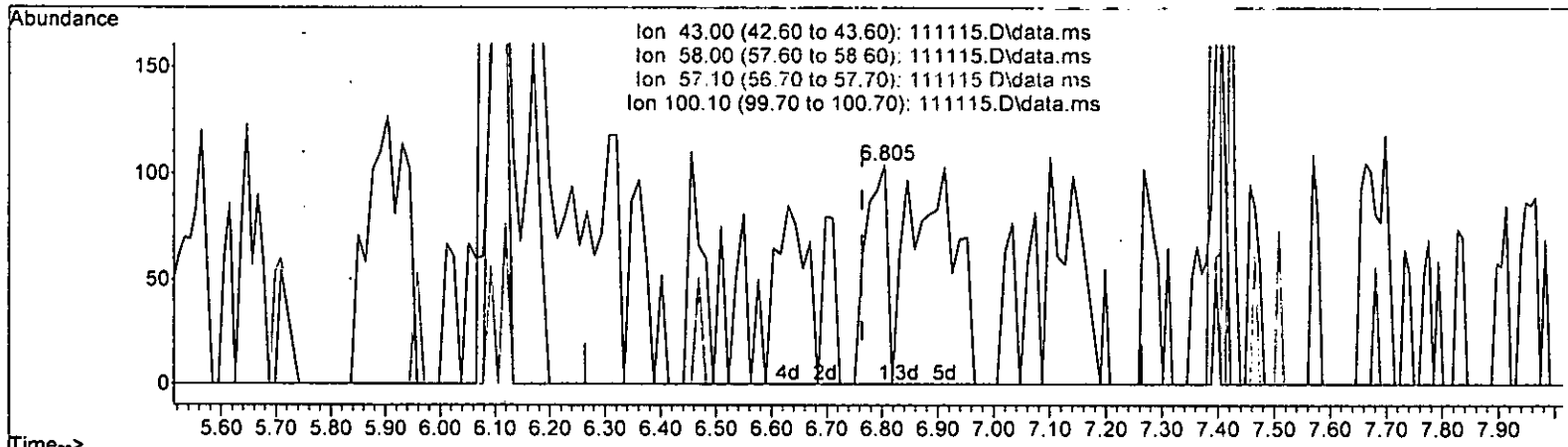
response 134

Ion	Exp%	Act%
95.00	100.00	100.00
97.00	64.60	0.00#
129.90	103.40	84.51
131.90	95.80	80.28

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-11-22\
 Data File : 111115.D
 Acq On : 11 Nov 2022 01:09 pm
 Operator : WE
 Sample : 211162-07 1/0.25
 Misc : soil
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 14 08:08:11 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 111115.D\data.ms

(43) 2-Hexanone (TMP)

6.805min (+ 0.041) 0.142 ppb

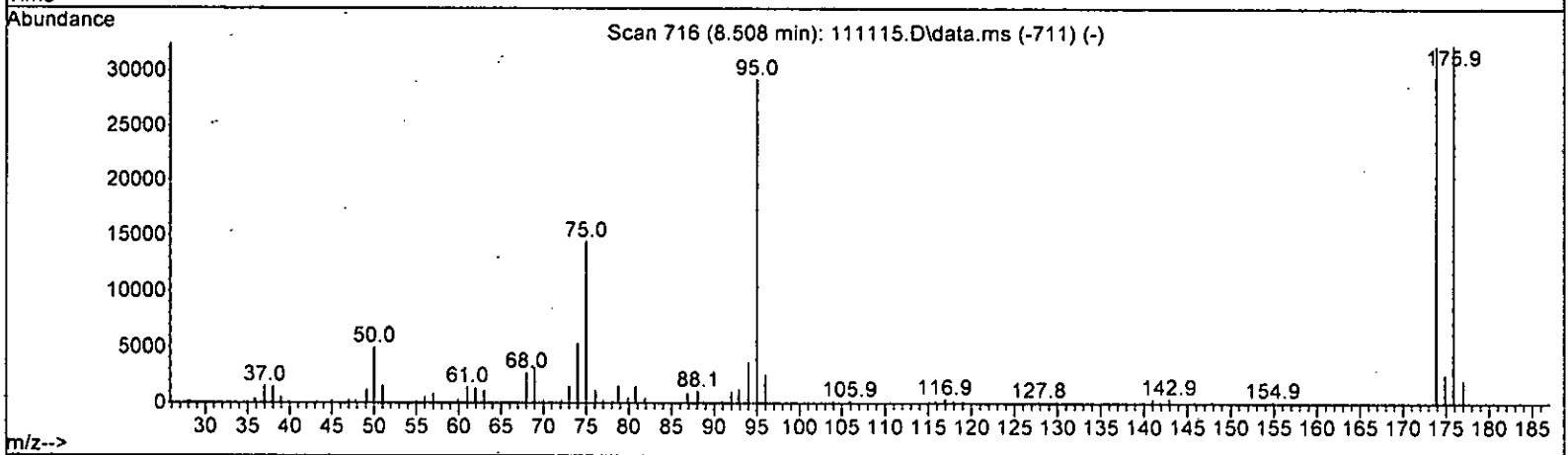
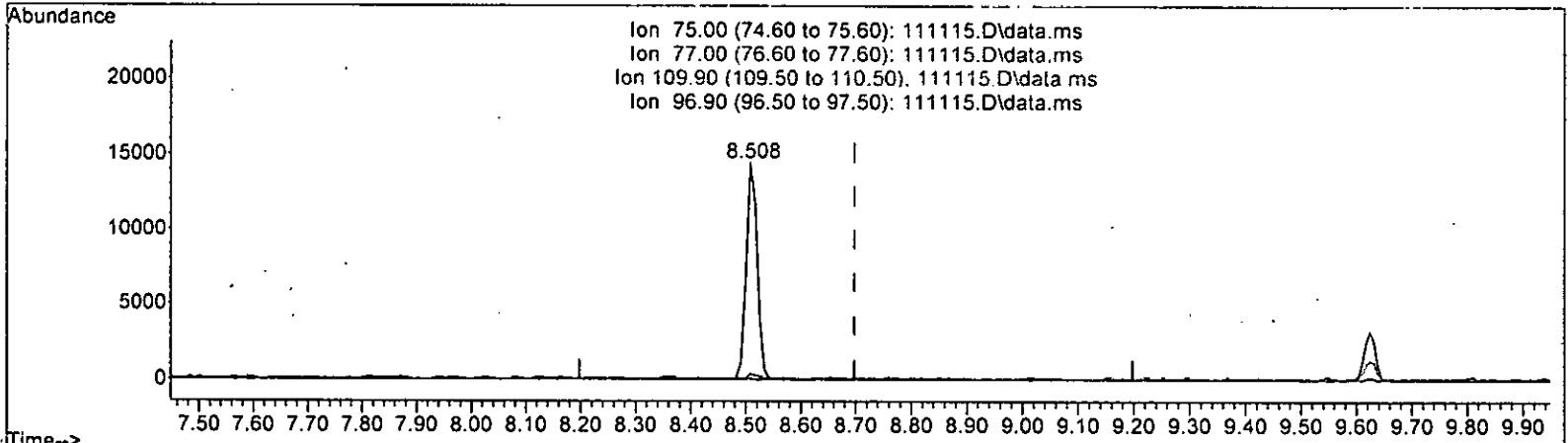
response 276

Ion	Exp%	Act%
43.00	100.00	100.00
58.00	51.50	0.00#
57.10	16.30	0.00
100.10	10.20	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-11-22\
 Data File : 111115.D
 Acq On : 11 Nov 2022 01:09 pm
 Operator : WE
 Sample : 211162-07 1/0.25
 Misc : soil
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 14 08:08:11 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 111115.D\data.ms

(62) 1,2,3-Trichloropropane (TMP)
 8.508min (-0.190) 6.559 ppb

response	19843
Ion	Exp% Act%
75.00	100.00 100.00
77.00	34.00 1.86#
109.90	36.50 0.00#
96.90	22.60 0.58

Data Path : Y:\Proc_GCMS13\11-11-22\
 Data File : 111115.D
 Acq On : 11 Nov 2022 01:09 pm
 Operator : WE
 Sample : 211162-07 1/0.25
 Misc : soil
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 14 08:08:11 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

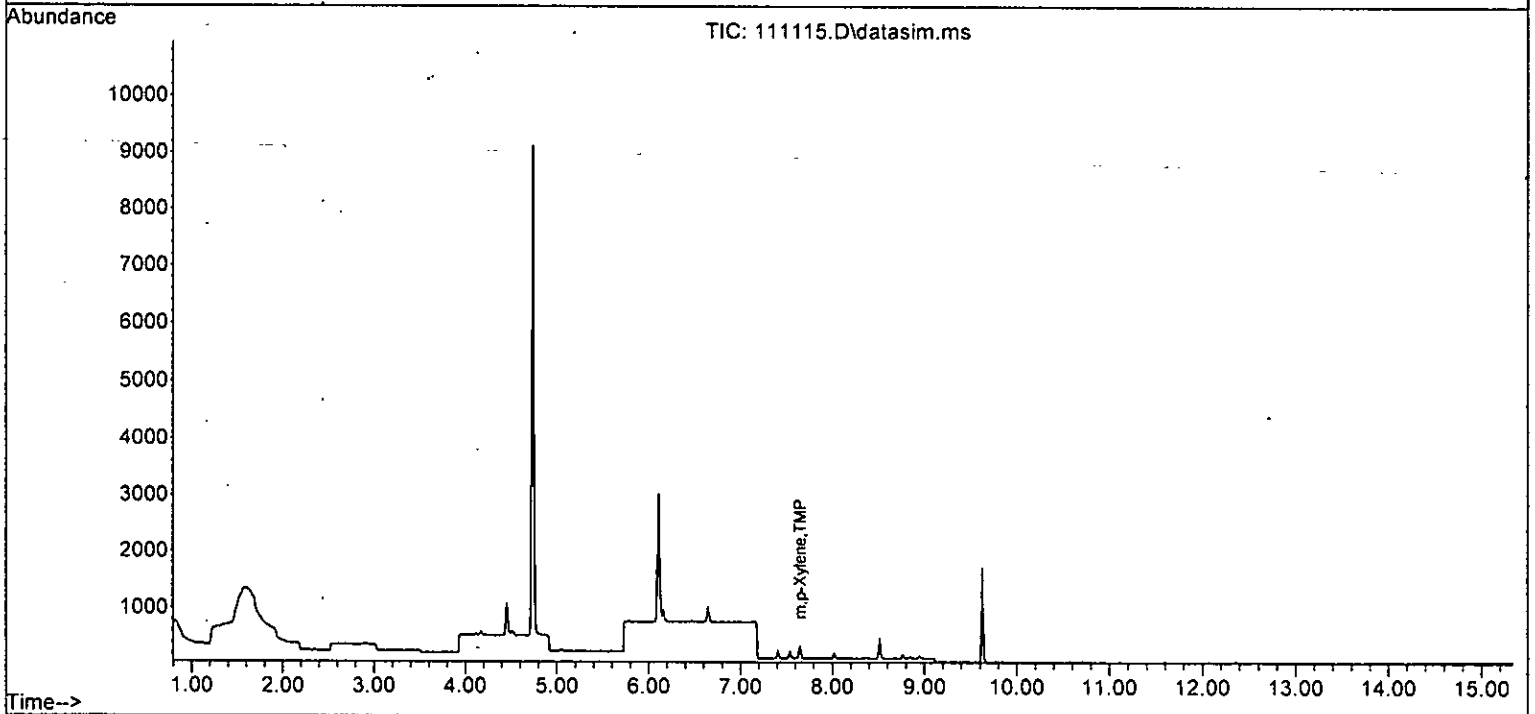
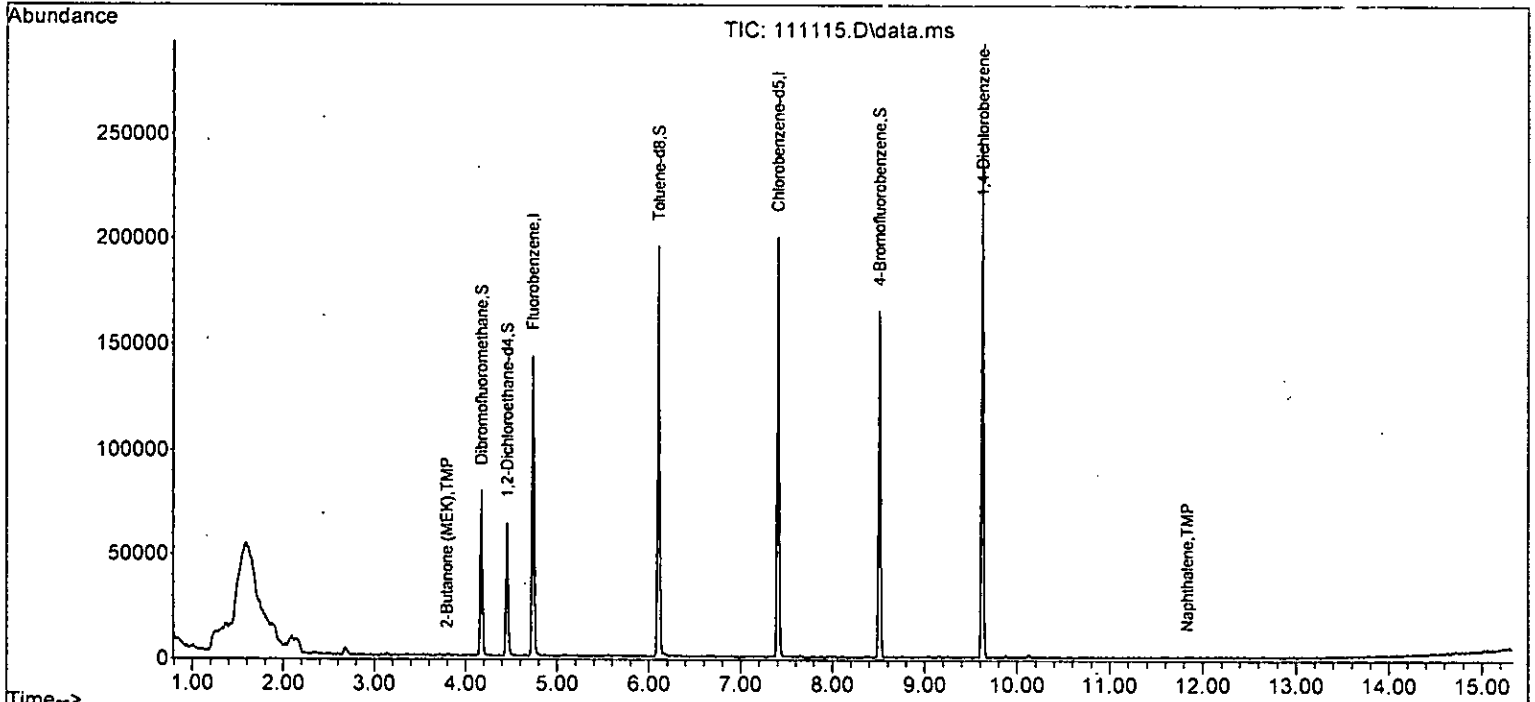
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

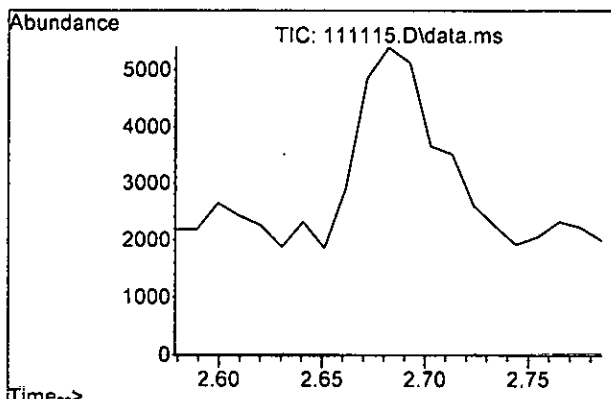
Internal Standards						
1) Fluorobenzene	4.735	96	112536	10.000	ppb	-0.01
39) Chlorobenzene-d5	7.405	117	102608	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.624	152	62218	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.175	113	35867	9.938	ppb	0.00
Spiked Amount	10.000	Range 50 - 150	Recovery =	99.40%		
30) 1,2-Dichloroethane-d4	4.455	102	6749	9.650	ppb	0.00
Spiked Amount	10.000	Range 84 - 120	Recovery =	96.50%		
35) Toluene-d8	6.105	98	106802	9.951	ppb	0.00
Spiked Amount	10.000	Range 73 - 128	Recovery =	99.50%		
57) 4-Bromofluorobenzene	8.508	95	41316	9.637	ppb	0.00
Spiked Amount	10.000	Range 57 - 146	Recovery =	96.40%		
Target Compounds						
11) Acetone	2.331	58	271	Below Cal	#	1
14) Methylene chloride	2.682	84	1919	Below Cal		91
24) 2-Butanone (MEK)	3.795	43	1033	0.478	ppb	91
26] 1,2-Dichloroethane (EDC)	4.516	62	85	Below Cal		78
40] Toluene	6.164	92	128	Below Cal		90
46) Dibromochloromethane	6.737	129	57	Below Cal	#	11
51] m,p-Xylene	7.651	106	119	0.019	ppb	82
75) Naphthalene	11.835	128	278	0.102	ppb	69

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS13\11-11-22\
 Data File : 111115.D
 Acq On : 11 Nov 2022 01:09 pm
 Operator : WE
 Sample : 211162-07 1/0.25
 Misc : soil
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS13

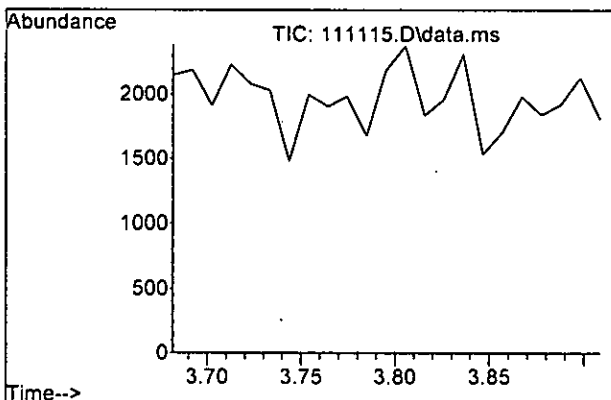
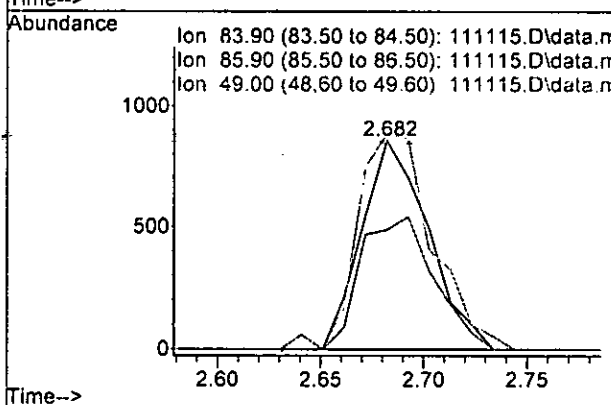
Quant Time: Nov 14 08:08:11 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M





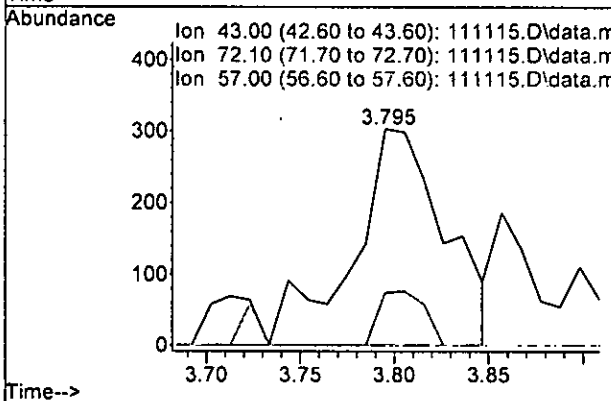
#14
 Methylene chloride
 Concen: Below Cal
 RT: 2.682 min Scan# 178
 Delta R.T. 0.000 min
 Lab File: 111115.D
 Acq: 11 Nov 2022 01:09 pm

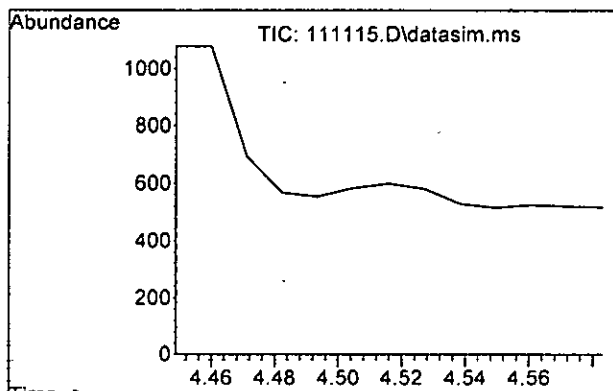
Tgt Ion	Ratio	Lower	Upper
84	100		
86	57.0	37.1	97.1
49	103.5	81.3	141.3



#24
 2-Butanone (MEK)
 Concen: 0.478 ppb
 RT: 3.795 min Scan# 282
 Delta R.T. 0.000 min
 Lab File: 111115.D
 Acq: 11 Nov 2022 01:09 pm

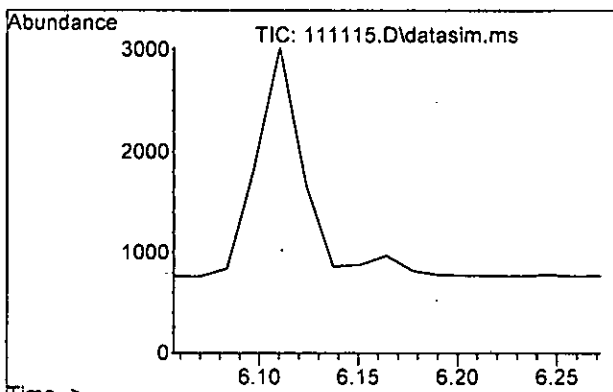
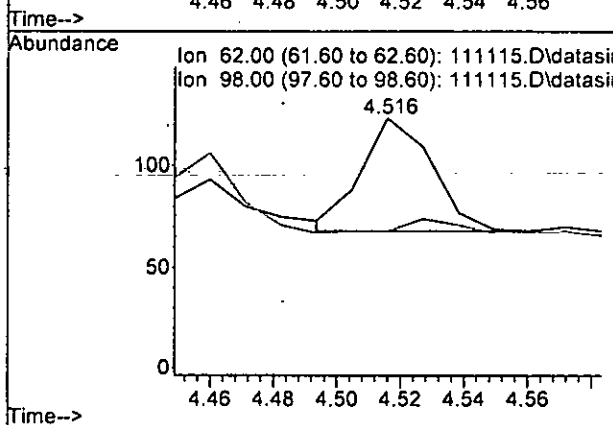
Tgt Ion	Ratio	Lower	Upper
43	100		
72	24.4	0.0	57.0
57	0.0	0.0	28.0





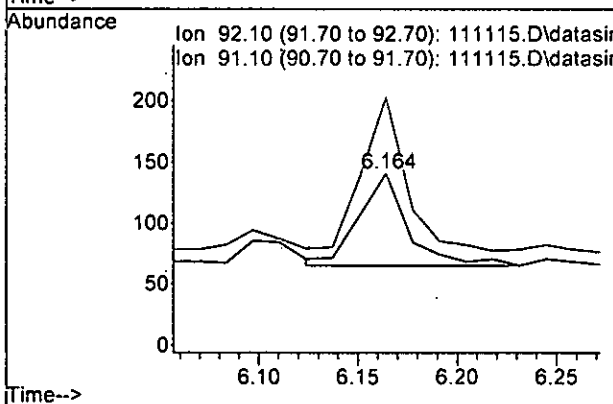
#26
 1,2-Dichloroethane (EDC)
 Concen: Below Cal
 RT: 4.516 min Scan# 358
 Delta R.T. -0.011 min
 Lab File: 111115.D
 Acq: 11 Nov 2022 01:09 pm

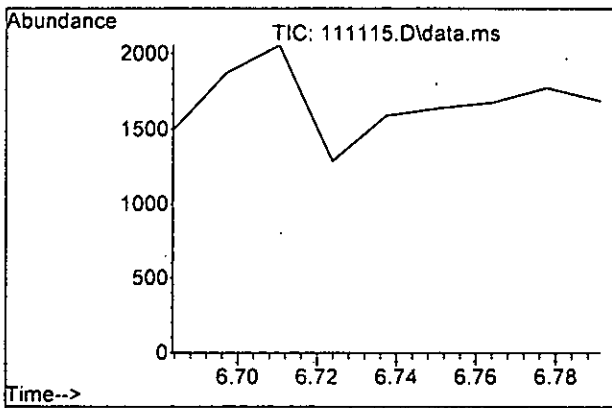
Tgt Ion	Ratio	Lower	Upper
62	100		
98	1.8	0.0	40.1



#40
 Toluene
 Concen: Below Cal
 RT: 6.164 min Scan# 505
 Delta R.T. 0.000 min
 Lab File: 111115.D
 Acq: 11 Nov 2022 01:09 pm

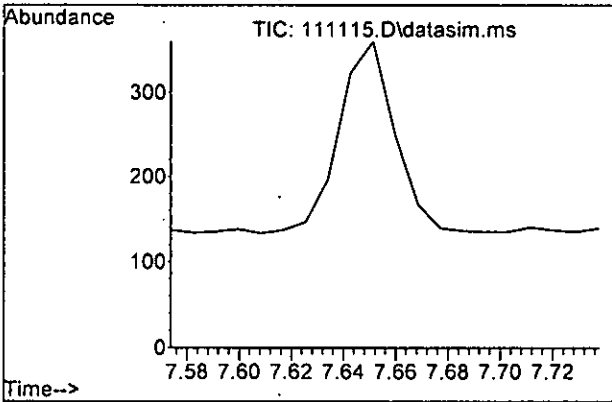
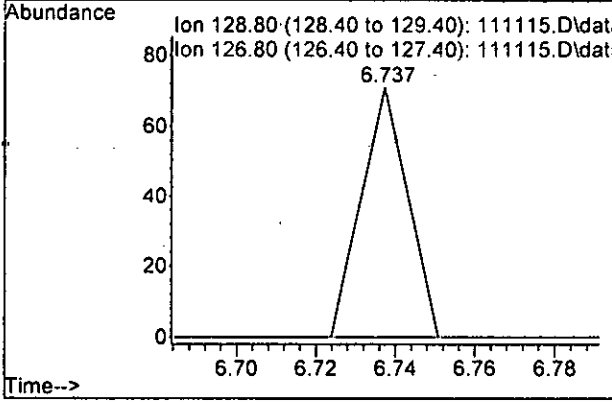
Tgt Ion	Ratio	Lower	Upper
92	100		
91	164.5	148.5	208.5





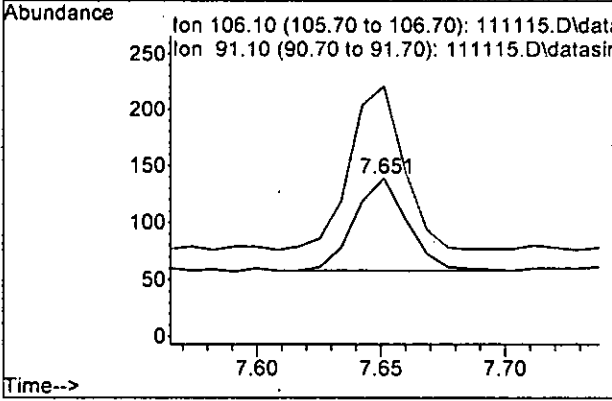
#46
 Dibromochloromethane
 Concen: Below Cal
 RT: 6.737 min Scan# 531
 Delta R.T. -0.148 min
 Lab File: 111115.D
 Acq: 11 Nov 2022 01:09 pm

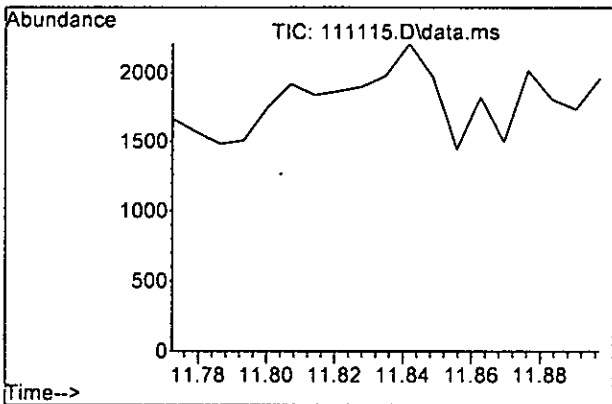
Tgt Ion:129 Resp: 57
 Ion Ratio Lower Upper
 129 100
 127 0.0 46.8 106.8#



#51
 m,p-Xylene
 Concen: 0.019 ppb
 RT: 7.651 min Scan# 635
 Delta R.T. 0.000 min
 Lab File: 111115.D
 Acq: 11 Nov 2022 01:09 pm

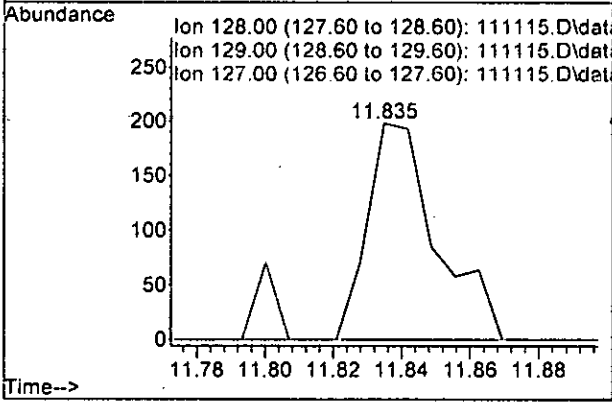
Tgt Ion:106 Resp: 119
 Ion Ratio Lower Upper
 106 100
 91 177.8 175.7 235.7





#75
 Naphthalene
 Concen: 0.102 ppb
 RT: 11.835 min Scan# 1177
 Delta R.T. -0.000 min
 Lab File: 111115.D
 Acq: 11 Nov 2022 01:09 pm

Tgt Ion	Ratio	Lower	Upper
128	100		
129	0.0	0.0	40.8
127	0.0	0.0	43.1



Data Path : Y:\Proc_GCMS13\11-11-22\
 Data File : 111115.D
 Acq On : 11 Nov 2022 01:09 pm
 Operator : WE
 Sample : 211162-07 1/0.25
 Misc : soil
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 14 08:08:11 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	4.735	96	112536	10.000	ppb	-0.01	
39) Chlorobenzene-d5	7.405	117	102608	10.000	ppb	0.00	
56) 1,4-Dichlorobenzene-d4	9.624	152	62218	10.000	ppb	0.00	
System Monitoring Compounds							
3) Dibromofluoromethane	4.175	113	35867	9.938	ppb	0.00	
Spiked Amount	10.000	Range 50 - 150	Recovery	=	99.40%		
30) 1,2-Dichloroethane-d4	4.455	102	6749	9.650	ppb	0.00	
Spiked Amount	10.000	Range 84 - 120	Recovery	=	96.50%		
35) Toluene-d8	6.105	98	106802	9.951	ppb	0.00	
Spiked Amount	10.000	Range 73 - 128	Recovery	=	99.50%		
57) 4-Bromofluorobenzene	8.508	95	41316	9.637	ppb	0.00	
Spiked Amount	10.000	Range 57 - 146	Recovery	=	96.40%		
Target Compounds							
2) Ethanol	2.342	45	195	No Calib			Qvalue
4) Dichlorodifluoromethane	0.000		0	N.D.			
5) Chloromethane	1.282	50	260	N.D.			
6) Vinyl chloride	0.000		0	N.D.			
7) Bromomethane	0.000		0	N.D.			
8) Chloroethane	0.000		0	N.D.			
9) Trichlorofluoromethane	1.807	101	209	N.D.			
10) 2-Propanol	2.342	45	195	No Calib	#		
11) Acetone	2.331	58	271	Below Cal	#	1	
12) 1,1-Dichloroethene	0.000		0	N.D.			
13) Hexane	3.157	57	190	N.D.			
14) Methylene chloride	2.682	84	1919	Below Cal		91	
15) t-Butyl alcohol (TBA)	0.000		0	N.D.			
16) Methyl t-butyl ether (...)	0.000		0	N.D.			
17) trans-1,2-Dichloroethene	0.000		0	N.D.			
18) Diisopropyl ether (DIPE)	0.000		0	N.D.			
19) 1,1-Dichloroethane	0.000		0	N.D.			
20) Ethyl t-butyl ether (E...)	0.000		0	N.D.			
21) 2,2-Dichloropropane	3.733	77	111	N.D.			
22) cis-1,2-Dichloroethene	0.000		0	N.D.			
23) Chloroform	0.000		0	N.D.			
24) 2-Butanone (MEK)	3.795	43	1033	0.478	ppb	91	
25) t-Amyl methyl ether (T...)	0.000		0	N.D.			
26] 1,2-Dichloroethane (EDC)	4.516	62	85	Below Cal		78	
27) 1,1,1-Trichloroethane	0.000		0	N.D.			
28) 1,1-Dichloropropene	0.000		0	N.D.			
29) Carbon tetrachloride	0.000		0	N.D.			
31) Benzene	0.000		0	N.D.			
32) Trichloroethene	0.000		0	N.D.	d		
33) 1,2-Dichloropropane	5.296	63	38	N.D.			
34) Bromodichloromethane	0.000		0	N.D.			
36) Dibromomethane	5.450	93	39	N.D.			

Data Path : Y:\Proc_GCMS13\11-11-22\
 Data File : 111115.D
 Acq On : 11 Nov 2022 01:09 pm
 Operator : WE
 Sample : 211162-07 1/0.25
 Misc : soil
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS13

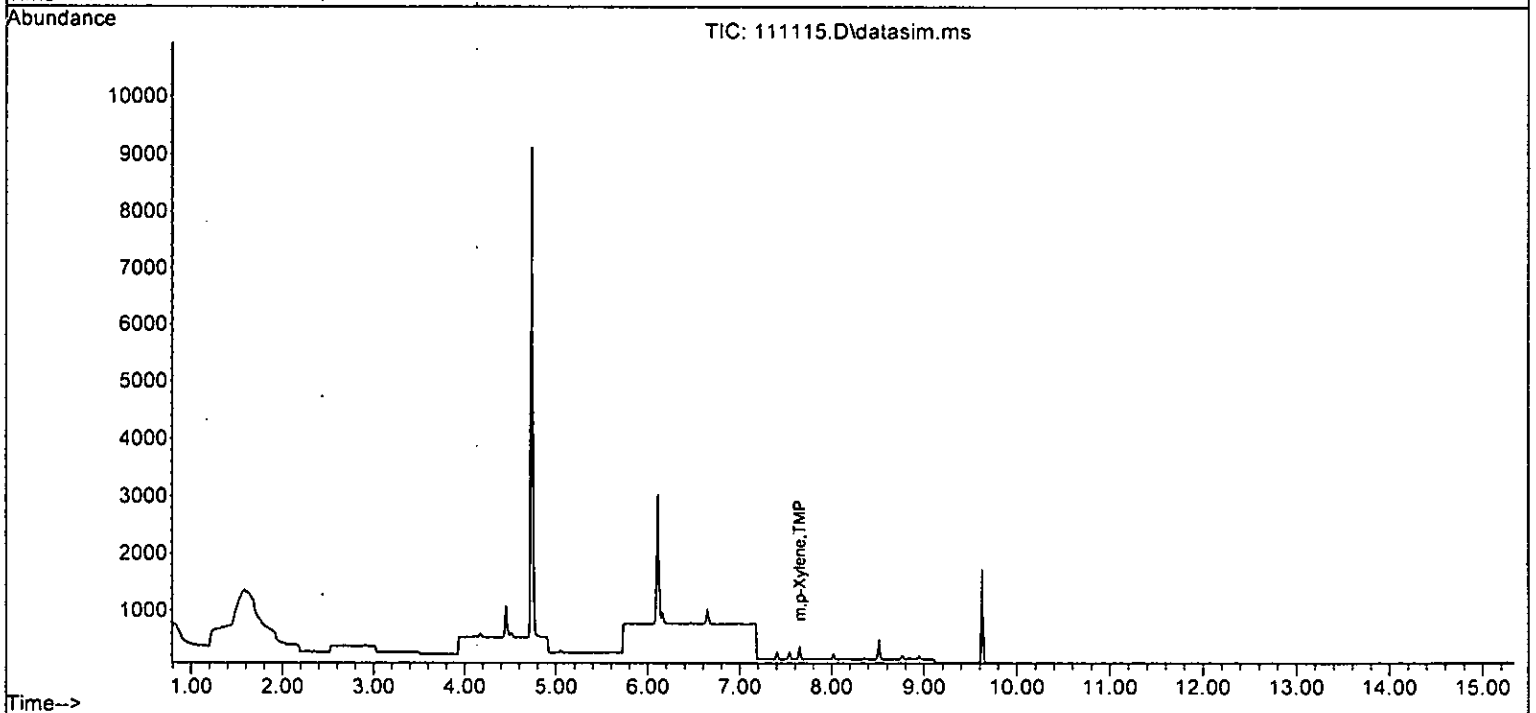
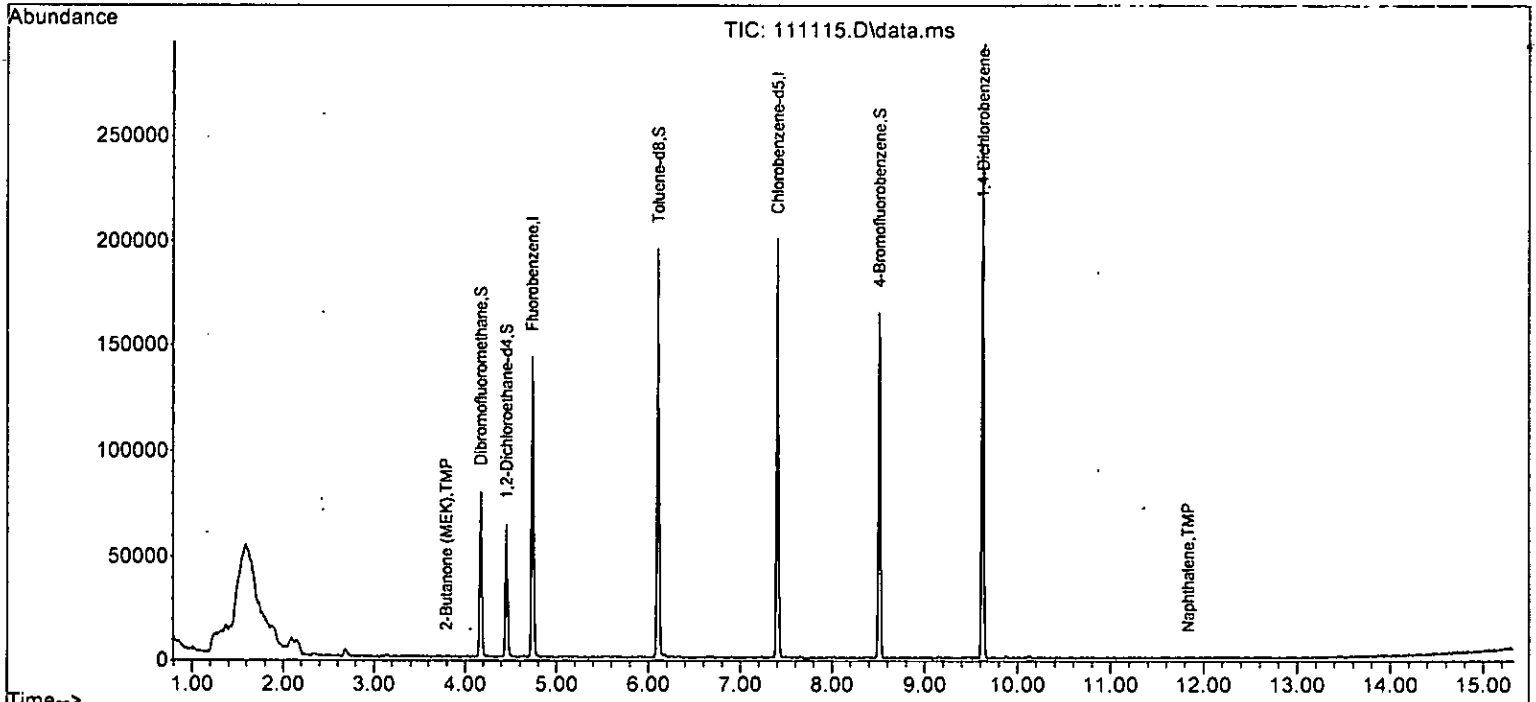
Quant Time: Nov 14 08:08:11 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.000		0		N.D.	
38) cis-1,3-Dichloropropene	5.863	75	64		N.D.	
40] Toluene	6.164	92	128	Below Cal		90
41) trans-1,3-Dichloropropene	6.267	75	303		N.D.	
42) 1,1,2-Trichloroethane	0.000		0		N.D.	
43) 2-Hexanone	0.000		0		N.D. d	
44) 1,3-Dichloropropane	0.000		0		N.D.	
45) Tetrachloroethene	6.648	164	111		N.D.	
46) Dibromochloromethane	6.737	129	57	Below Cal	#	11
47) 1,2-Dibromoethane (EDB)	0.000		0		N.D.	
48) Chlorobenzene	0.000		0		N.D.	
49) Ethylbenzene	7.539	91	138		N.D.	
50) 1,1,1,2-Tetrachloroethane	0.000		0		N.D.	
51] m,p-Xylene	7.651	106	119	0.019	ppb	82
52) o-Xylene	8.022	106	46		N.D.	
53) Styrene	8.034	104	110		N.D.	
54) Isopropylbenzene	8.379	105	132		N.D.	
55) Bromoform	0.000		0		N.D.	
58) n-Propylbenzene	8.827	91	27		N.D.	
59) Bromobenzene	0.000		0		N.D.	
60) 1,3,5-Trimethylbenzene	8.930	105	73		N.D.	
61) 1,1,2,2-Tetrachloroethane	0.000		0		N.D.	
62) 1,2,3-Trichloropropane	0.000		0		N.D. d	
63) 2-Chlorotoluene	8.827	91	27		N.D.	
64) 4-Chlorotoluene	8.948	91	27		N.D.	
65) tert-Butylbenzene	9.250	119	72		N.D.	
66) 1,2,4-Trimethylbenzene	9.292	105	94		N.D.	
67) sec-Butylbenzene	9.624	105	22		N.D.	
68) p-Isopropyltoluene	9.610	119	92		N.D.	
69) 1,3-Dichlorobenzene	9.576	146	128		N.D.	
70) 1,4-Dichlorobenzene	9.645	146	30		N.D.	
71) 1,2-Dichlorobenzene	0.000		0		N.D.	
72) 1,2-Dibromo-3-chloropr...	10.754	75	46		N.D.	
73) 1,2,4-Trichlorobenzene	11.592	180	51		N.D.	
74) Hexachlorobutadiene	0.000		0		N.D.	
75) Naphthalene	11.835	128	278	0.102	ppb	69
76) 1,2,3-Trichlorobenzene	0.000		0		N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS13\11-11-22\
 Data File : 111115.D
 Acq On : 11 Nov 2022 01:09 pm
 Operator : WE
 Sample : 211162-07 1/0.25
 Misc : soil
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS13

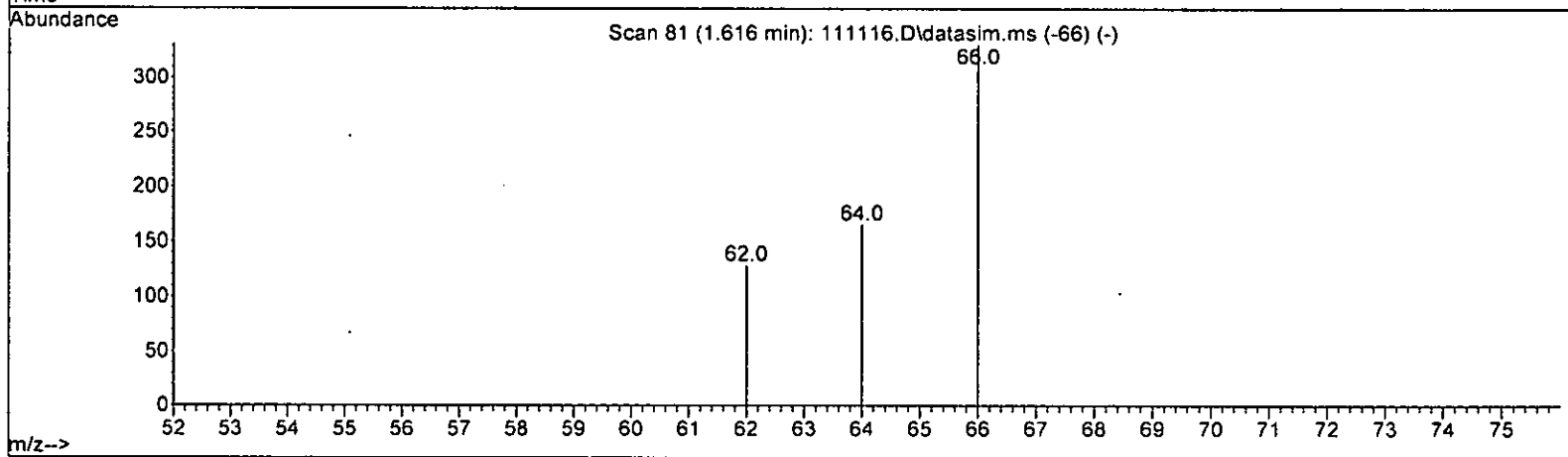
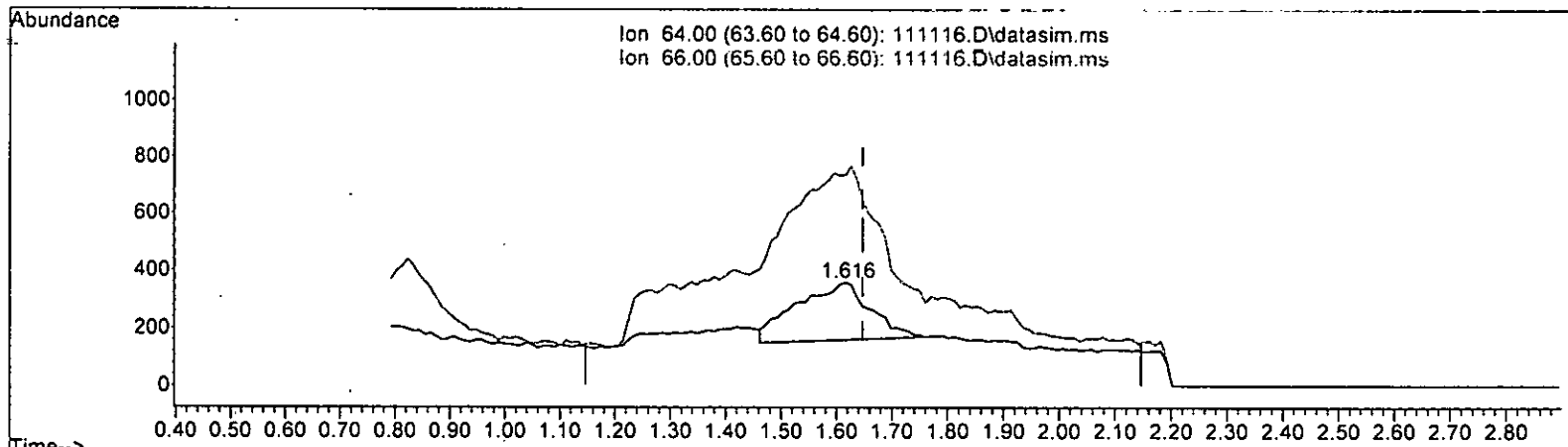
Quant Time: Nov 14 08:08:11 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-11-22\
 Data File : 111116.D
 Acq On : 11 Nov 2022 01:32 pm
 Operator : WE
 Sample : 211162-08 1/0.25
 Misc : soil
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 14 08:08:15 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 111116.D\data.ms

(8) Chloroethane (TMP)

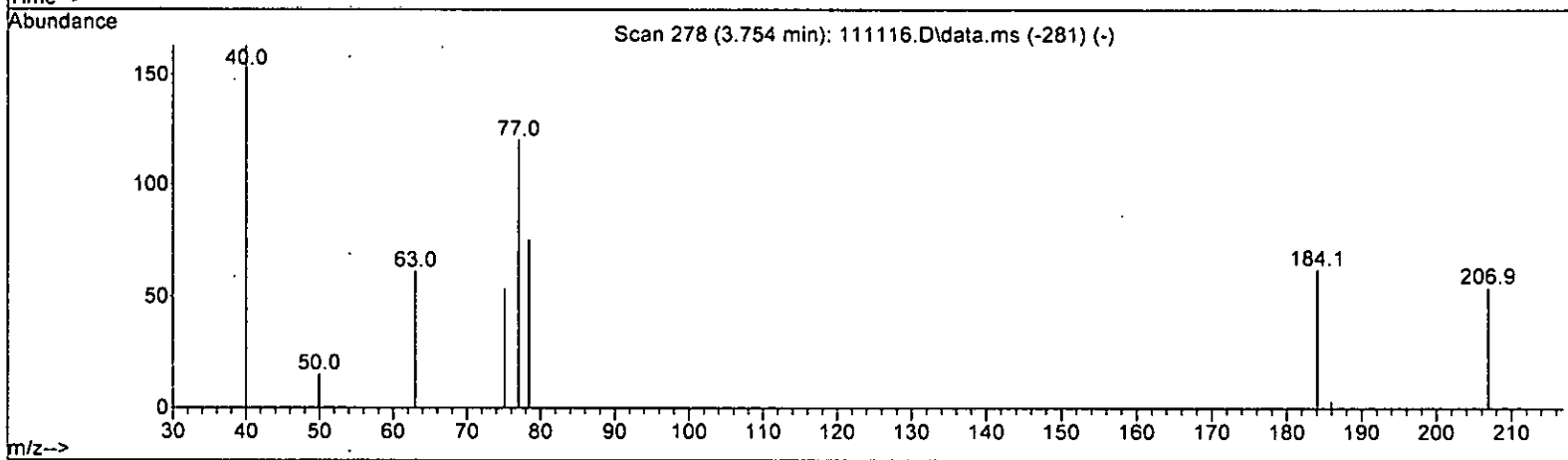
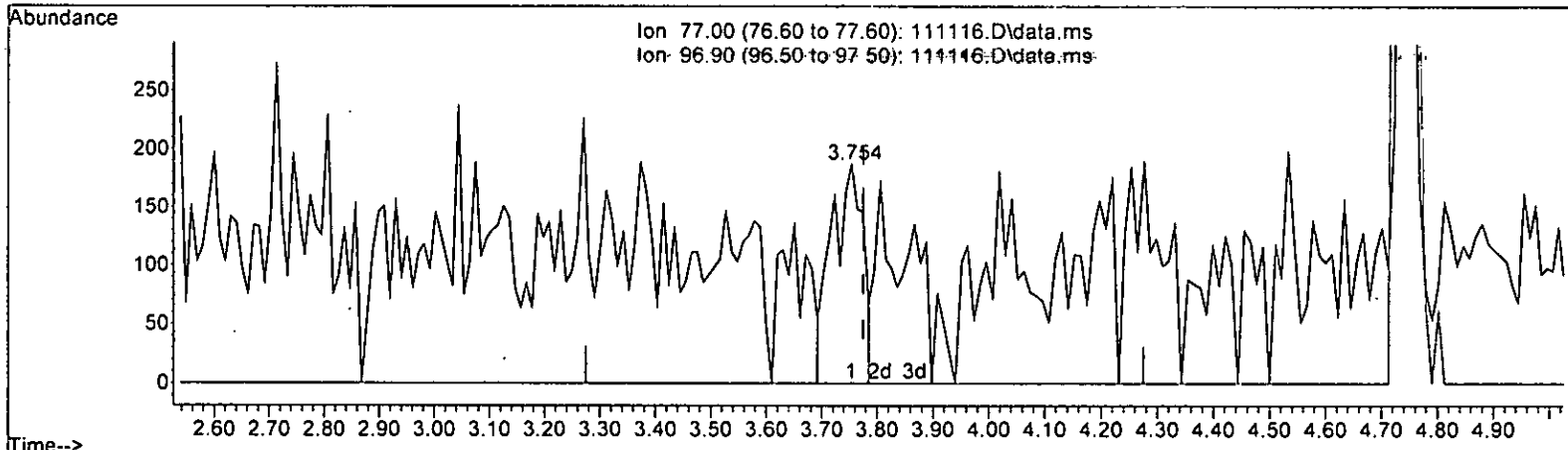
1.616min (-0.031) 0.643 ppb

response	1850
Ion	Exp% Act%
64.00	100.00 100.00
66.00	30.90 236.51#
0.00	0.00 0.00
0.00	0.00 0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-11-22\
 Data File : 111116.D
 Acq On : 11 Nov 2022 01:32 pm
 Operator : WE
 Sample : 211162-08 1/0.25
 Misc : soil
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 14 08:08:15 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 111116.D\data.ms

(21) 2,2-Dichloropropane (TMP)

3.754min (-0.021) 0.206 ppb

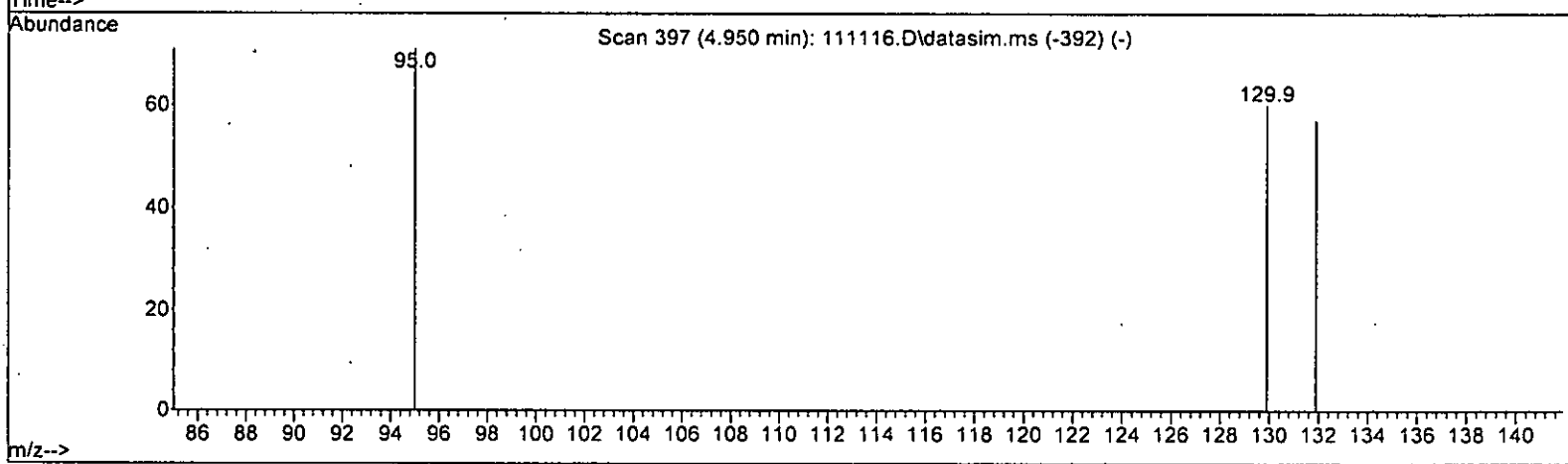
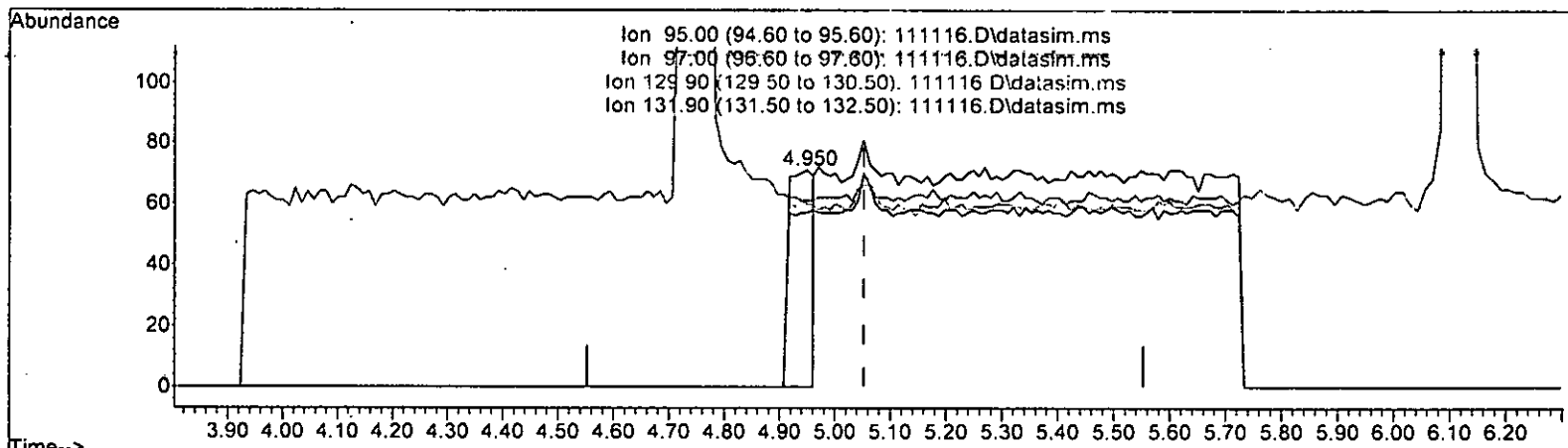
response 732

Ion	Exp%	Act%
77.00	100.00	100.00
96.90	26.80	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-11-22\
 Data File : 111116.D
 Acq On : 11 Nov 2022 01:32 pm
 Operator : WE
 Sample : 211162-08 1/0.25
 Misc : soil
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 14 08:08:15 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth: VM080322.M



TIC: 111116.D\data.ms

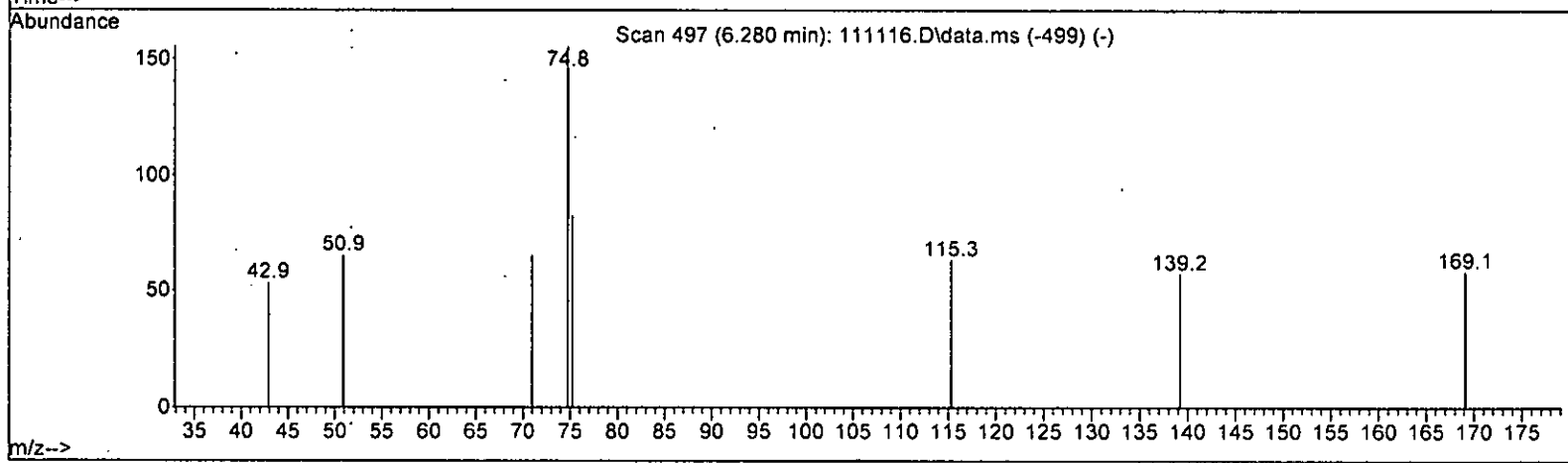
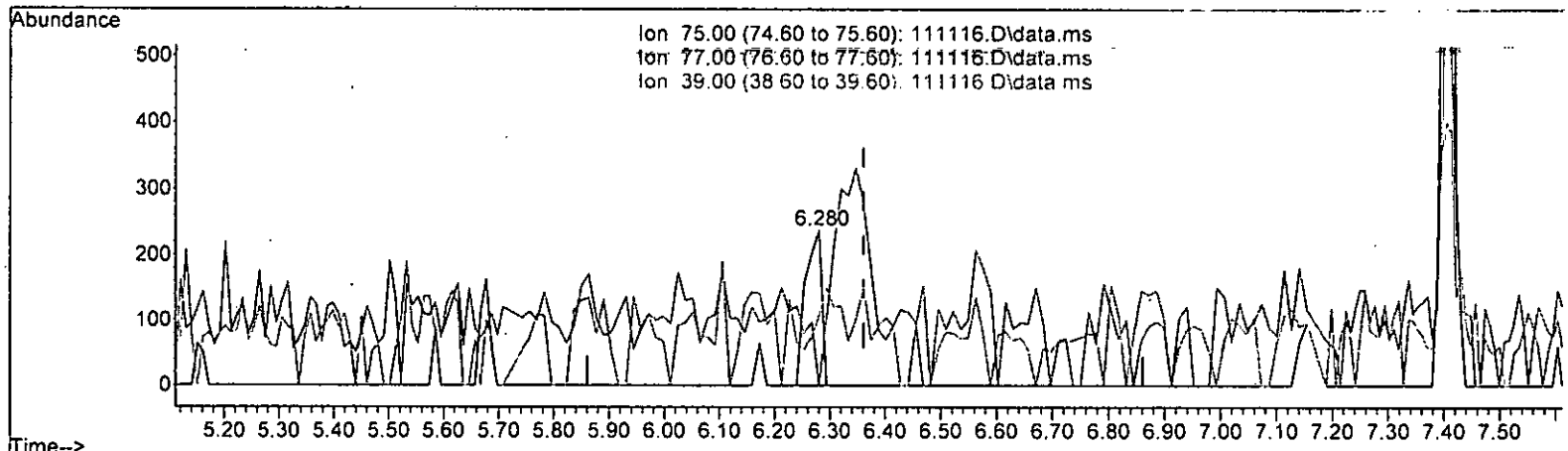
(32) Trichloroethene (TMP)
 4.950min (-0.103) 0.048 ppb
 response 222

Ion	Exp%	Act%
95.00	100.00	100.00
97.00	64.60	0.00#
129.90	103.40	84.51
131.90	95.80	80.28

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-11-22\
 Data File : 111116.D
 Acq On : 11 Nov 2022 01:32 pm
 Operator : WE
 Sample : 211162-08 1/0.25
 Misc : soil
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 14 08:08:15 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 Qlast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth: VM080322.M



TIC: 111116.D\data.ms

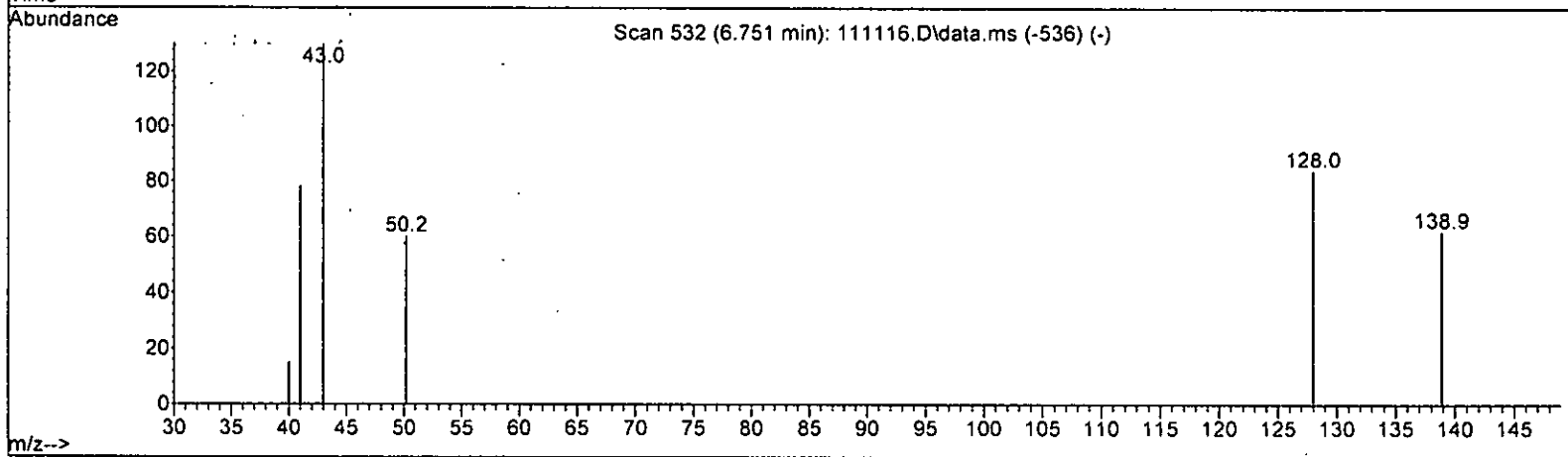
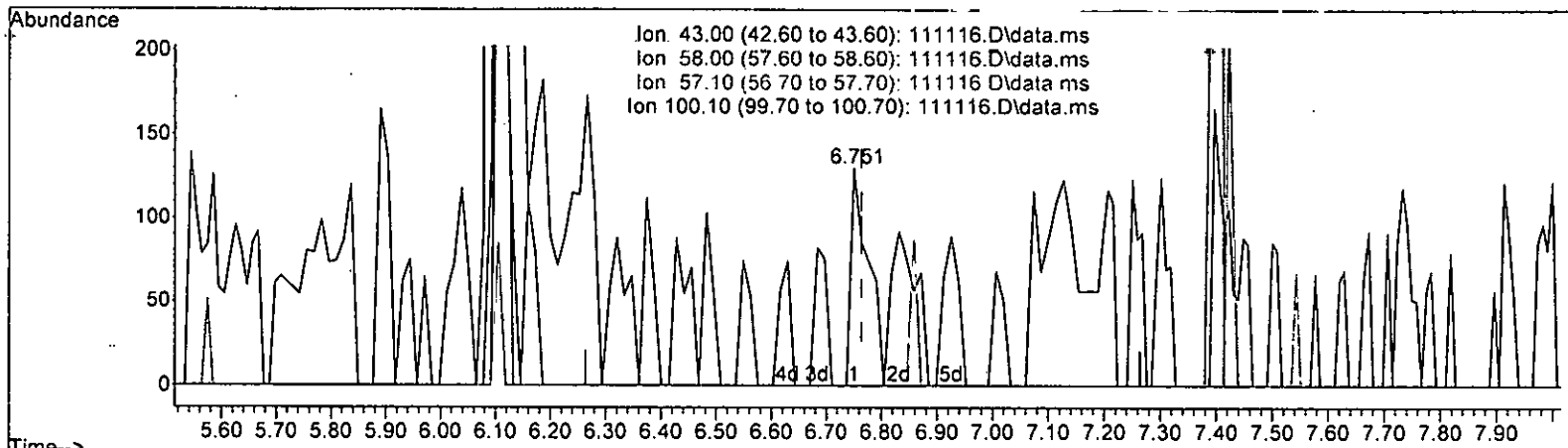
(41) trans-1,3-Dichloropropene (TMP)
 6.280min (-0.081) 0.140 ppb
 response 481

Ion	Exp%	Act%
75.00	100.00	100.00
77.00	32.60	0.00#
39.00	46.30	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-11-22\
 Data File : 111116.D
 Acq On : 11 Nov 2022 01:32 pm
 Operator : WE
 Sample : 211162-08 1/0.25
 Misc : soil
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 14 08:08:15 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 111116.D\data.ms

(43) 2-Hexanone (TMP)

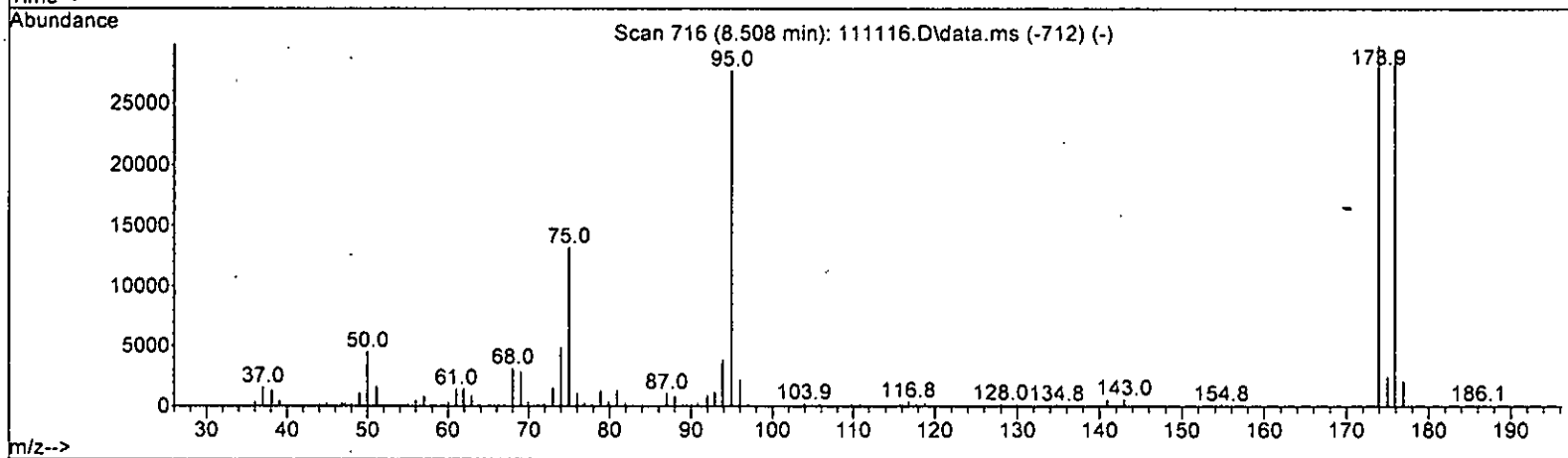
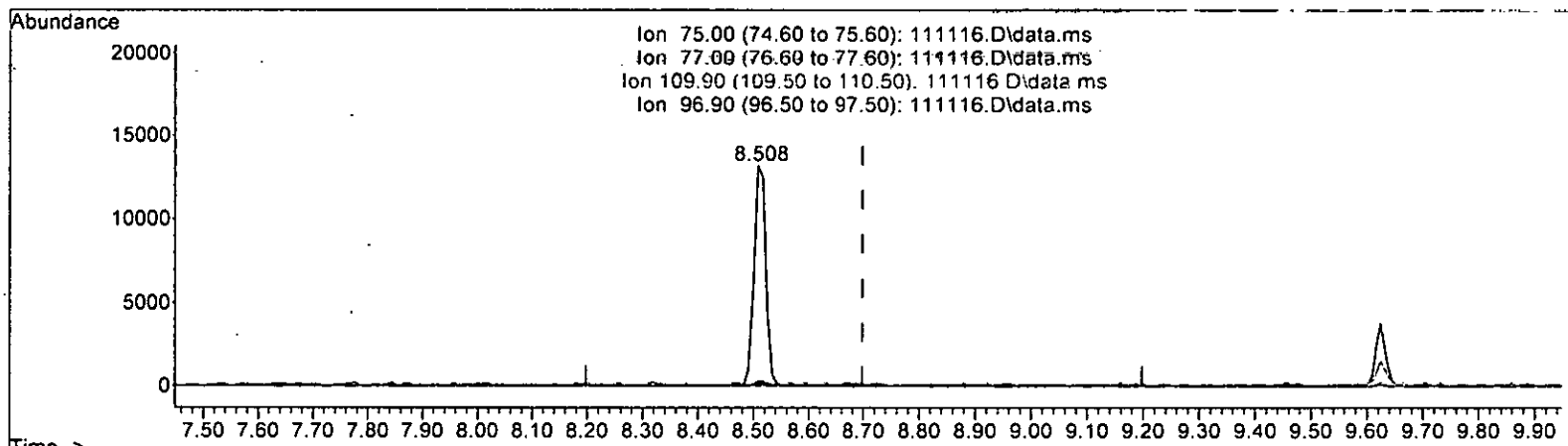
6.751min (-0.013) 0.146 ppb

response	282
Ion	Exp% Act%
43.00	100.00 100.00
58.00	51.50 0.00#
57.10	16.30 0.00
100.10	10.20 0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-11-22\
 Data File : 111116.D
 Acq On : 11 Nov 2022 01:32 pm
 Operator : WE
 Sample : 211162-08 1/0.25
 Misc : soil
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 14 08:08:15 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 111116.D\data.ms

(62) 1,2,3-Trichloropropane (TMP)

8.508min (-0.190) 6.575 ppb

response 19508

Ion	Exp%	Act%
75.00	100.00	100.00
77.00	34.00	1.29#
109.90	36.50	0.53#
96.90	22.60	0.65

Data Path : Y:\Proc_GCMS13\11-11-22\
 Data File : 111116.D
 Acq On : 11 Nov 2022 01:32 pm
 Operator : WE
 Sample : 211162-08 1/0.25
 Misc : soil
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 14 08:08:15 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

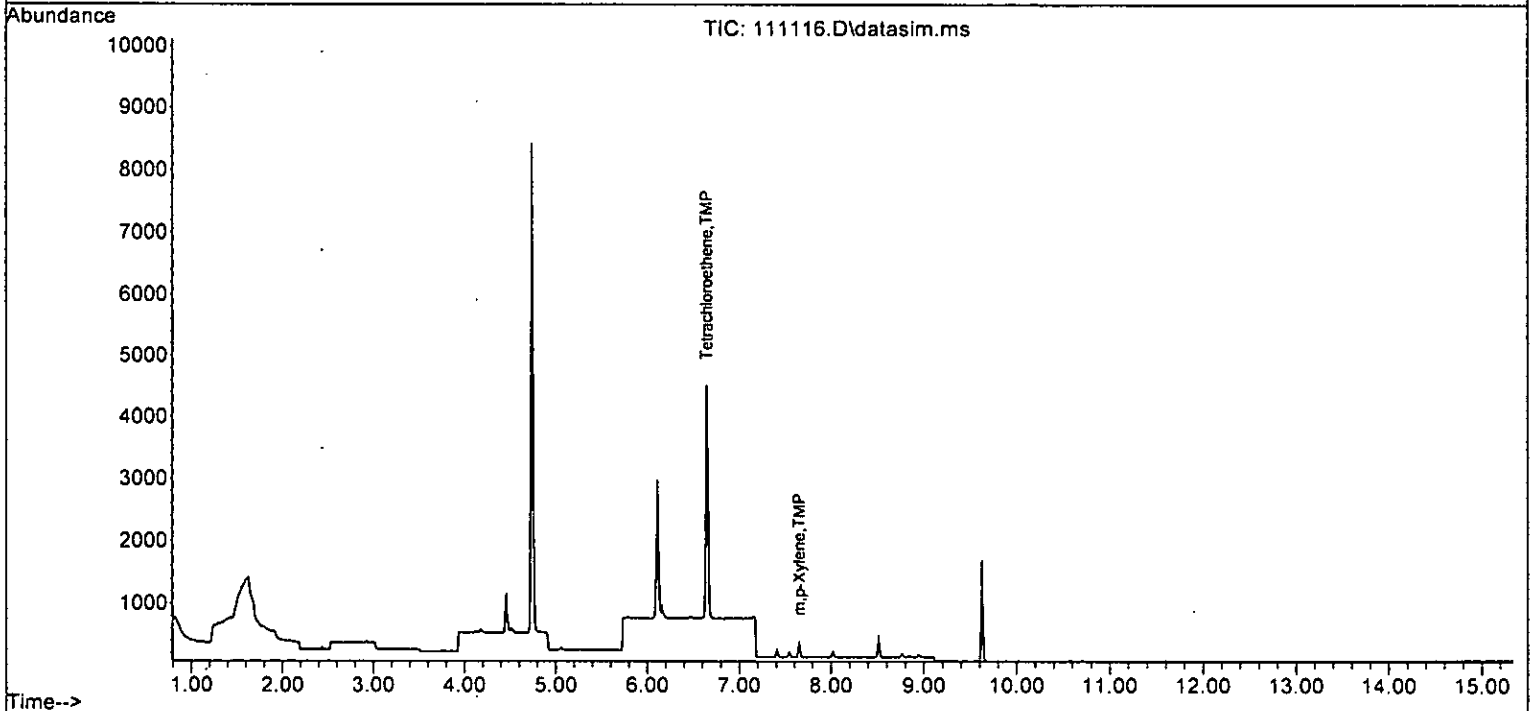
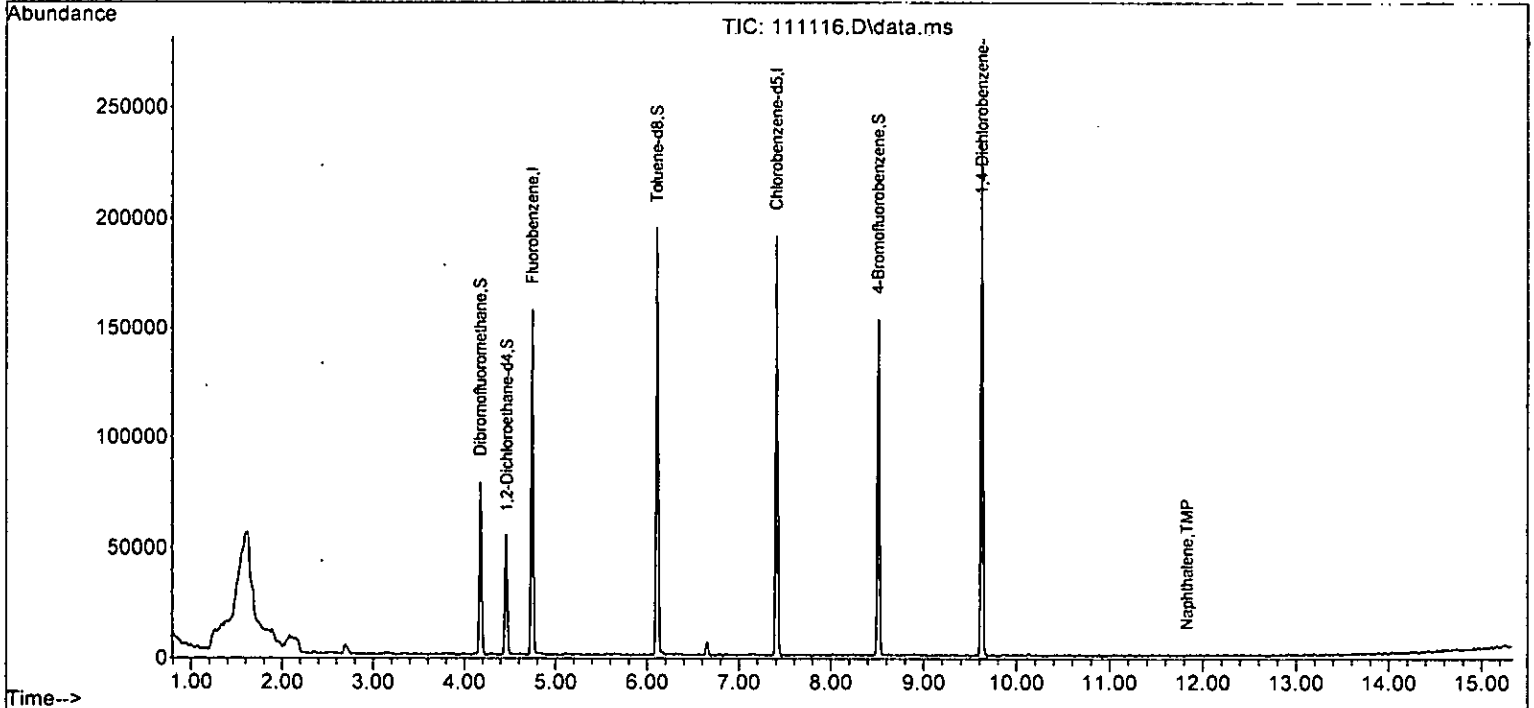
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

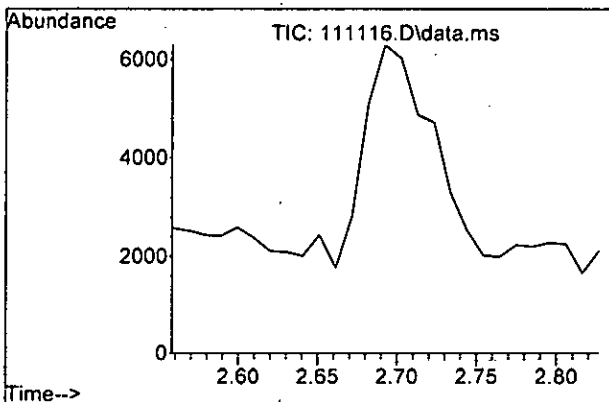
Internal Standards						
1) Fluorobenzene	4.746	96	125829	10.000	ppb	0.00
39) Chlorobenzene-d5	7.405	117	101954	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.624	152	61019	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.175	113	37803	9.368	ppb	0.00
Spiked Amount	10.000	Range 50 - 150	Recovery	=	93.70%	
30) 1,2-Dichloroethane-d4	4.466	102	7104	9.084	ppb	0.01
Spiked Amount	10.000	Range 84 - 120	Recovery	=	90.80%	
35) Toluene-d8	6.105	98	108443	9.036	ppb	0.00
Spiked Amount	10.000	Range 73 - 128	Recovery	=	90.40%	
57) 4-Bromofluorobenzene	8.508	95	41154	9.788	ppb	0.00
Spiked Amount	10.000	Range 57 - 146	Recovery	=	97.90%	
Target Compounds						
14) Methylene chloride	2.692	84	3058	Below Cal		96
24) 2-Butanone (MEK)	3.857	43	269	Below Cal		55
26] 1,2-Dichloroethane (EDC)	4.527	62	82	Below Cal		94
28) 1,1-Dichloropropene	4.332	75	85	Below Cal	#	29
40] Toluene	6.164	92	135	Below Cal		80
42] 1,1,2-Trichloroethane	6.648	83	27	Below Cal	#	61
45] Tetrachloroethene	6.648	164	1458	0.343	ppb	96
51] m,p-Xylene	7.651	106	125	0.020	ppb	81
75) Naphthalene	11.828	128	210	0.097	ppb	69

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS13\11-11-22\
 Data File : 111116.D
 Acq On : 11 Nov 2022 01:32 pm
 Operator : WE
 Sample : 211162-08 1/0.25
 Misc : soil
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS13

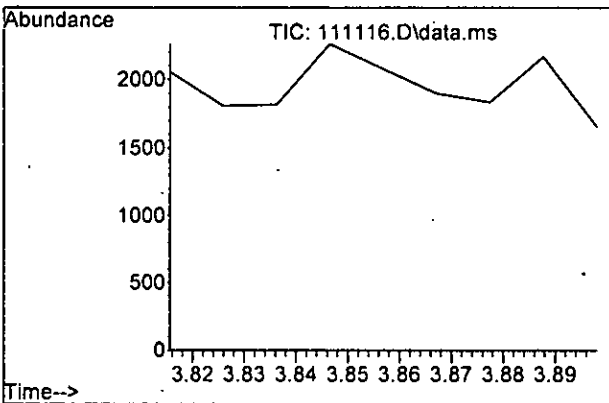
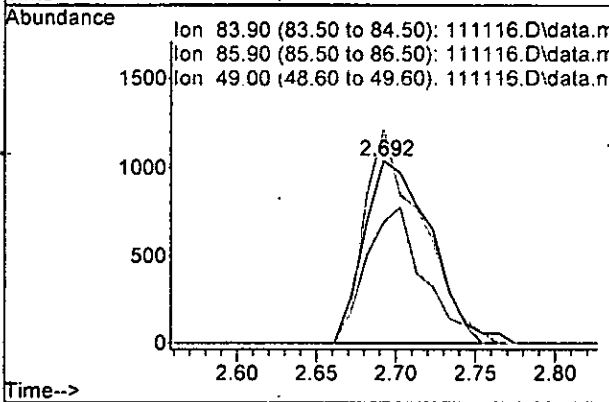
Quant Time: Nov 14 08:08:15 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M





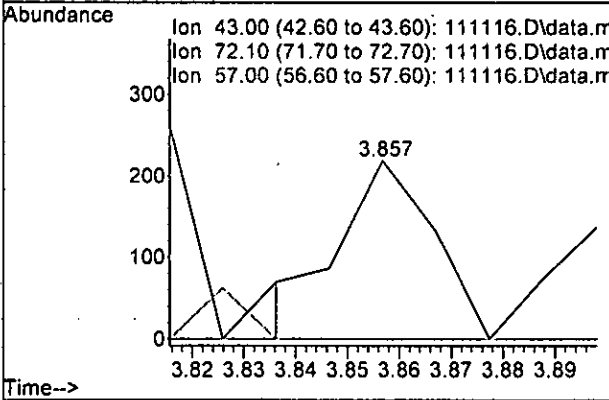
#14
 Methylene chloride
 Concen: Below Cal
 RT: 2.692 min Scan# 179
 Delta R.T. 0.010 min
 Lab File: 111116.D
 Acq: 11 Nov 2022 01:32 pm

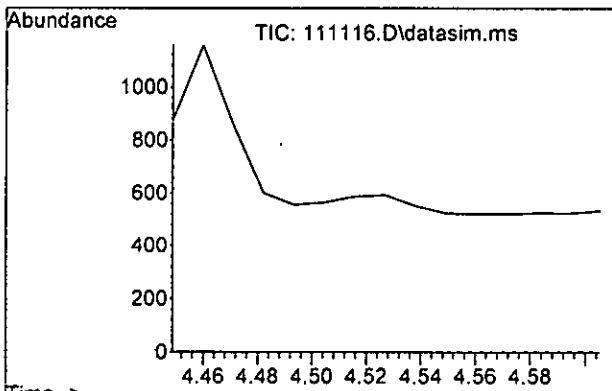
Tgt Ion	Resp	Lower	Upper
84	100		
86	66.3	37.1	97.1
49	117.1	81.3	141.3



#24
 2-Butanone (MEK)
 Concen: Below Cal
 RT: 3.857 min Scan# 288
 Delta R.T. 0.062 min
 Lab File: 111116.D
 Acq: 11 Nov 2022 01:32 pm

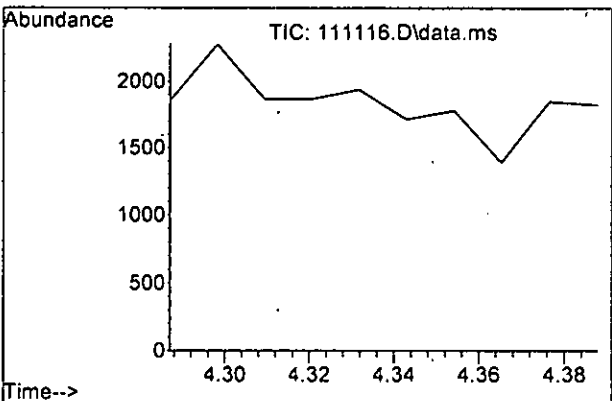
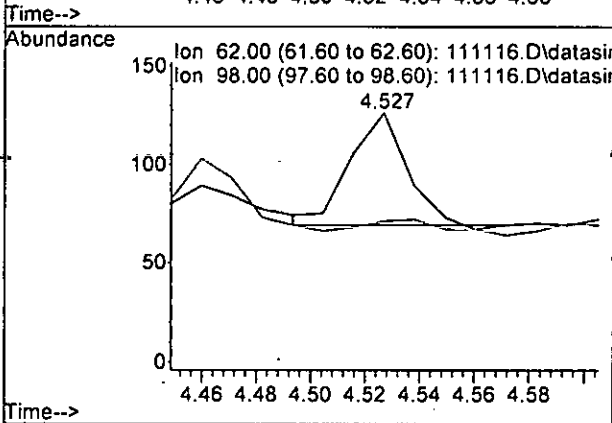
Tgt Ion	Resp	Lower	Upper
43	100		
72	0.0	0.0	57.0
57	0.0	0.0	28.0





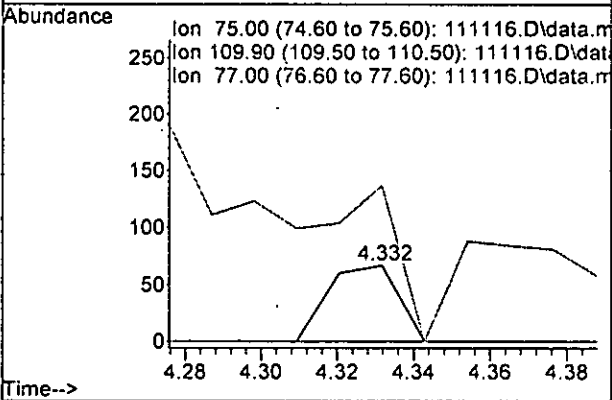
#26
 1,2-Dichloroethane (EDC)
 Concen: Below Cal
 RT: 4.527 min Scan# 359
 Delta R.T. -0.000 min
 Lab File: 111116.D
 Acq: 11 Nov 2022 01:32 pm

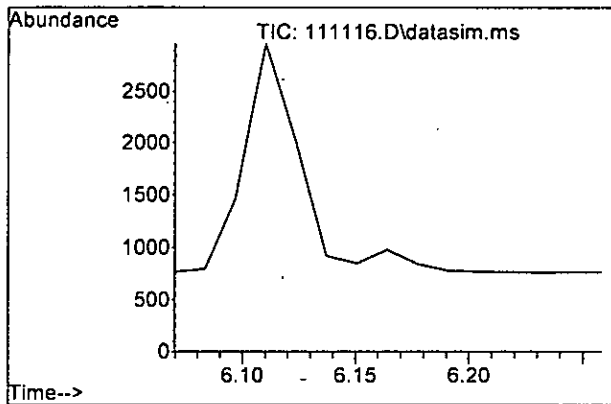
Tgt Ion	Resp	Lower	Upper
62	100		
98	12.3	0.0	40.1



#28
 1,1-Dichloropropene
 Concen: Below Cal
 RT: 4.332 min Scan# 329
 Delta R.T. -0.000 min
 Lab File: 111116.D
 Acq: 11 Nov 2022 01:32 pm

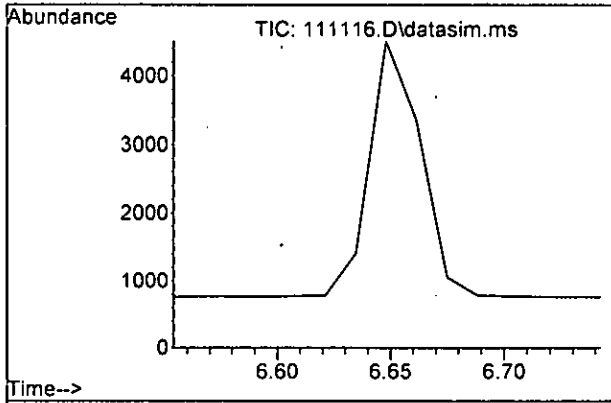
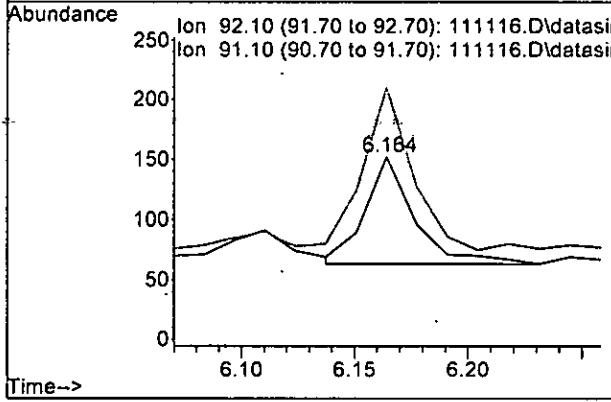
Tgt Ion	Resp	Lower	Upper
75	100		
110	0.0	10.6	70.6#
77	73.1	0.1	60.1#





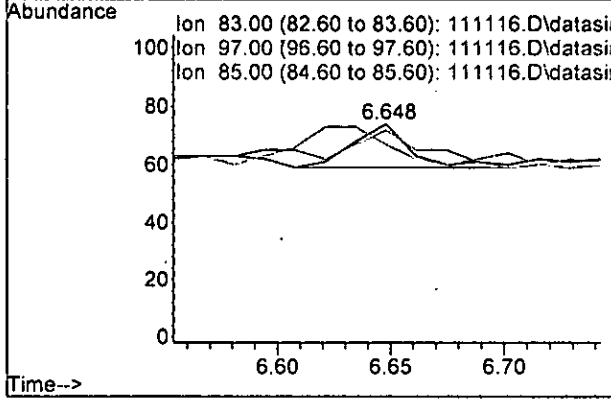
#40
 Toluene
 Concen: Below Cal
 RT: 6.164 min Scan# 505
 Delta R.T. 0.000 min
 Lab File: 111116.D
 Acq: 11 Nov 2022 01:32 pm

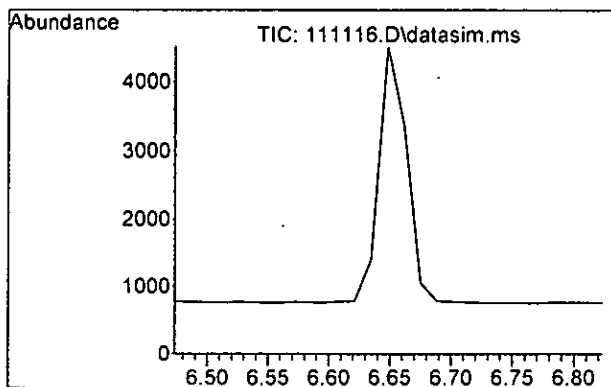
Tgt Ion: 92 Resp: 135
 Ion Ratio Lower Upper
 92 100
 91 150.6 148.5 208.5



#42
 1,1,2-Trichloroethane
 Concen: Below Cal
 RT: 6.648 min Scan# 541
 Delta R.T. 0.121 min
 Lab File: 111116.D
 Acq: 11 Nov 2022 01:32 pm

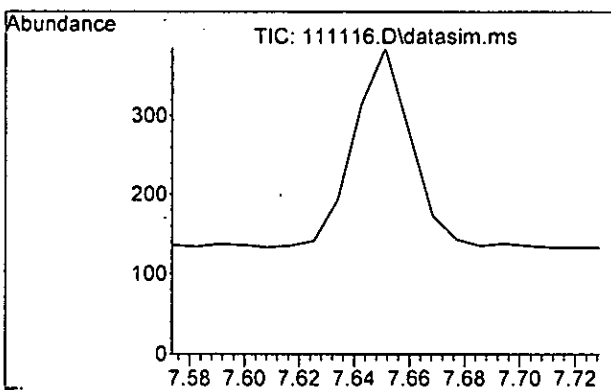
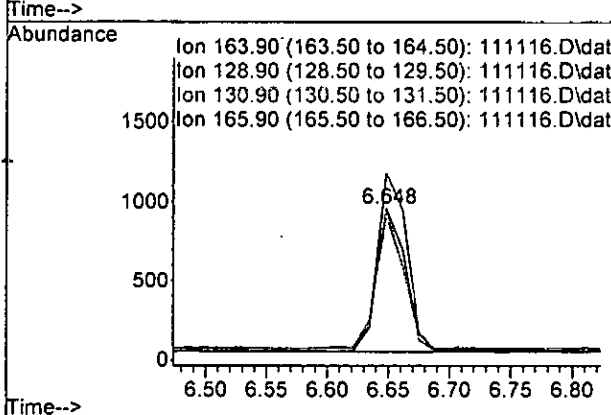
Tgt Ion: 83 Resp: 27
 Ion Ratio Lower Upper
 83 100
 97 86.7 88.0 148.0#
 85 20.0 35.3 95.3#





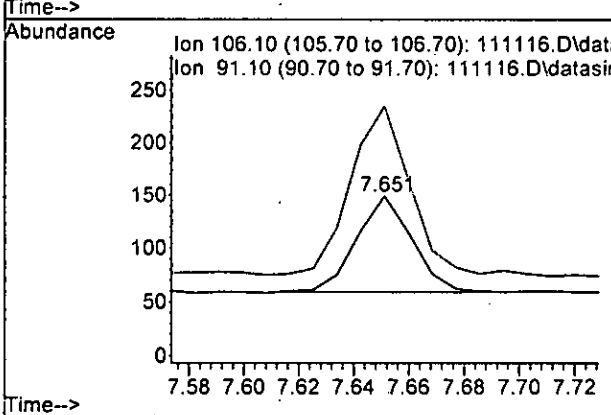
#45
 Tetrachloroethene
 Concen: 0.343 ppb
 RT: 6.648 min Scan# 541
 Delta R.T. 0.000 min
 Lab File: 111116.D
 Acq: 11 Nov 2022 01:32 pm

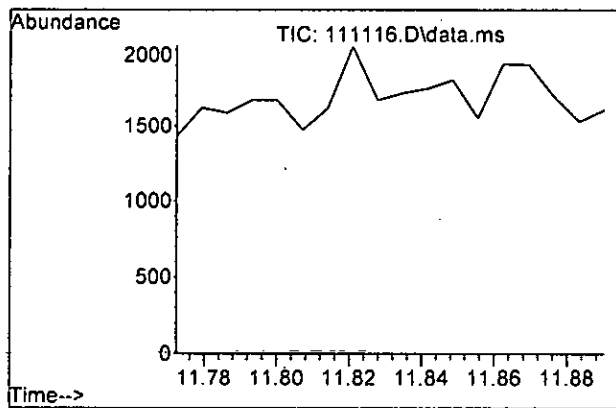
Tgt Ion	Ratio	Lower	Upper
164	100		
129	95.6	72.1	132.1
131	91.6	64.8	124.8
166	124.2	90.0	150.0



#51
 m,p-Xylene
 Concen: 0.020 ppb
 RT: 7.651 min Scan# 635
 Delta R.T. 0.000 min
 Lab File: 111116.D
 Acq: 11 Nov 2022 01:32 pm

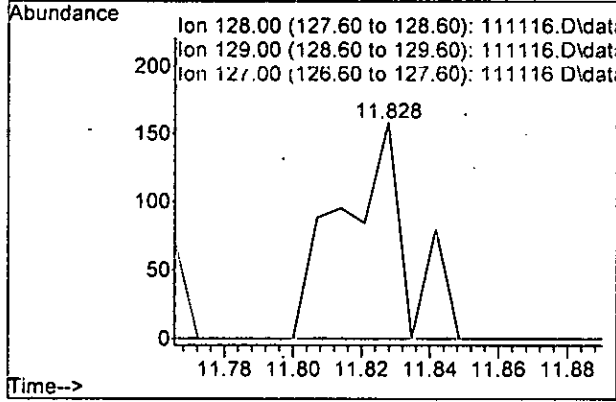
Tgt Ion	Ratio	Lower	Upper
106	100		
91	176.7	175.7	235.7





#75
 Naphthalene
 Concen: 0.097 ppb
 RT: 11.828 min Scan# 1176
 Delta R.T. -0.007 min
 Lab File: 111116.D
 Acq: 11 Nov 2022 01:32 pm

Tgt Ion	Ratio	Lower	Upper
128	100		
129	0.0	0.0	40.8
127	0.0	0.0	43.1



Data Path : Y:\Proc_GCMS13\11-11-22\
 Data File : 111116.D
 Acq On : 11 Nov 2022 . 01:32 pm
 Operator : WE
 Sample : 211162-08 1/0.25
 Misc : soil
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 14 08:08:15 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	4.746	96	125829	10.000	ppb	0.00	
39) Chlorobenzene-d5	7.405	117	101954	10.000	ppb	0.00	
56) 1,4-Dichlorobenzene-d4	9.624	152	61019	10.000	ppb	0.00	
System Monitoring Compounds							
3) Dibromofluoromethane	4.175	113	37803	9.368	ppb	0.00	
Spiked Amount	10.000	Range 50 - 150	Recovery	=	93.70%		
30) 1,2-Dichloroethane-d4	4.466	102	7104	9.084	ppb	0.01	
Spiked Amount	10.000	Range 84 - 120	Recovery	=	90.80%		
35) Toluene-d8	6.105	98	108443	9.036	ppb	0.00	
Spiked Amount	10.000	Range 73 - 128	Recovery	=	90.40%		
57) 4-Bromofluorobenzene	8.508	95	41154	9.788	ppb	0.00	
Spiked Amount	10.000	Range 57 - 146	Recovery	=	97.90%		
Target Compounds							
							Qvalue
2) Ethanol	2.331	45	106	No Calib			
4) Dichlorodifluoromethane	1.127	85	130	N.D.			
5) Chloromethane	1.261	50	638	N.D.			
6) Vinyl chloride	0.000		0	N.D.			
7) Bromomethane	1.549	94	527	N.D.			
8) Chloroethane	0.000		0	N.D. d			
9) Trichlorofluoromethane	1.786	101	38	N.D.			
10) 2-Propanol	2.331	45	106	No Calib #			
11) Acetone	2.352	58	334	N.D.			
12) 1,1-Dichloroethene	0.000		0	N.D.			
13) Hexane	3.157	57	263	N.D.			
14) Methylene chloride	2.692	84	3058	Below Cal		96	
15) t-Butyl alcohol (TBA)	0.000		0	N.D.			
16) Methyl t-butyl ether (...)	0.000		0	N.D.			
17) trans-1,2-Dichloroethene	0.000		0	N.D.			
18) Diisopropyl ether (DIPE)	3.393	45	37	N.D.			
19) 1,1-Dichloroethane	0.000		0	N.D.			
20) Ethyl t-butyl ether (E...)	0.000		0	N.D.			
21) 2,2-Dichloropropane	0.000		0	N.D. d			
22) cis-1,2-Dichloroethene	0.000		0	N.D.			
23) Chloroform	0.000		0	N.D.			
24) 2-Butanone (MEK)	3.857	43	269	Below Cal		55	
25) t-Amyl methyl ether (T...)	0.000		0	N.D.			
26] 1,2-Dichloroethane (EDC)	4.527	62	82	Below Cal		94	
27) 1,1,1-Trichloroethane	0.000		0	N.D.			
28) 1,1-Dichloropropene	4.332	75	85	Below Cal #		29	
29) Carbon tetrachloride	0.000		0	N.D.			
31) Benzene	4.505	78	50	N.D.			
32) Trichloroethene	0.000		0	N.D. d			
33) 1,2-Dichloropropane	5.254	63	72	N.D.			
34) Bromodichloromethane	0.000		0	N.D.			
36) Dibromomethane	0.000		0	N.D.			

Data Path : Y:\Proc_GCMS13\11-11-22\
 Data File : 111116.D
 Acq On : 11 Nov 2022 01:32 pm
 Operator : WE
 Sample : 211162-08 1/0.25
 Misc : soil
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS13

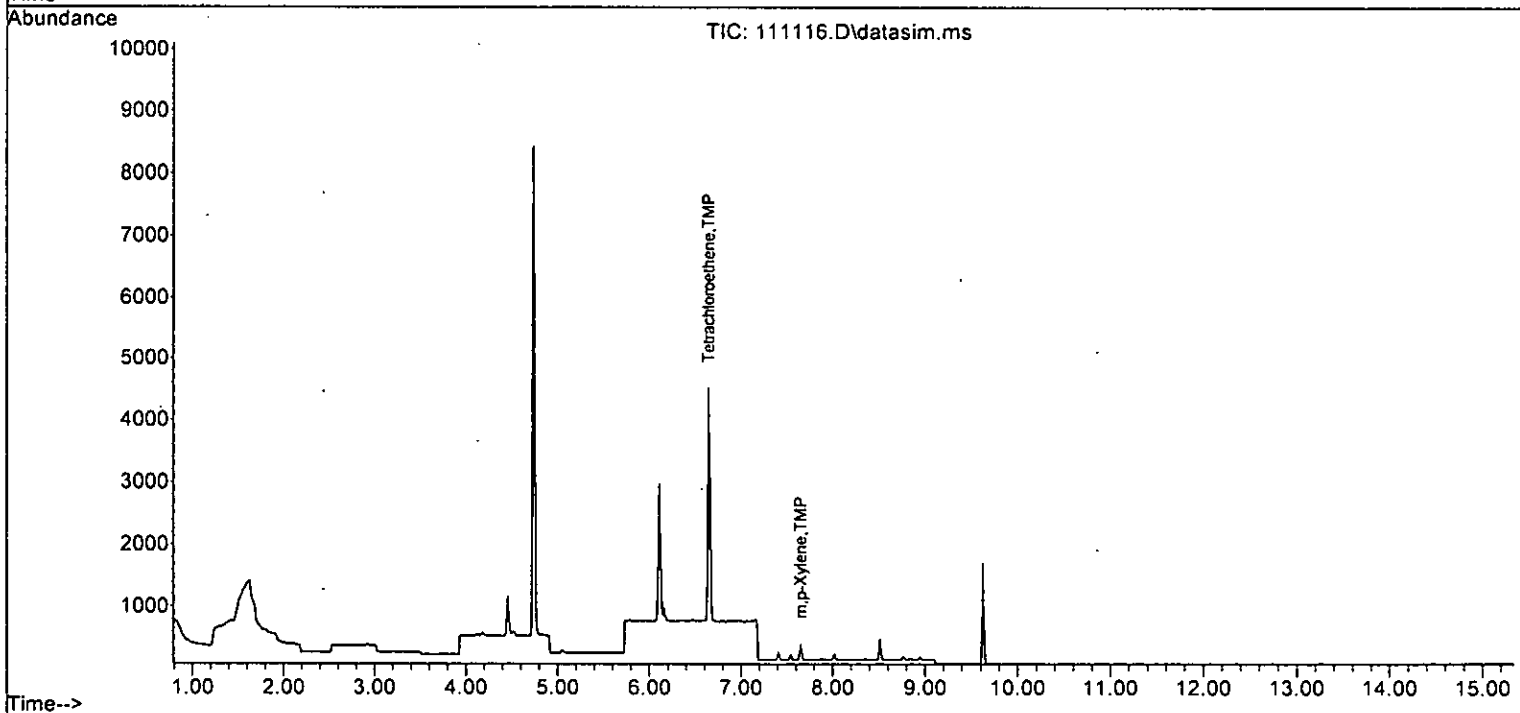
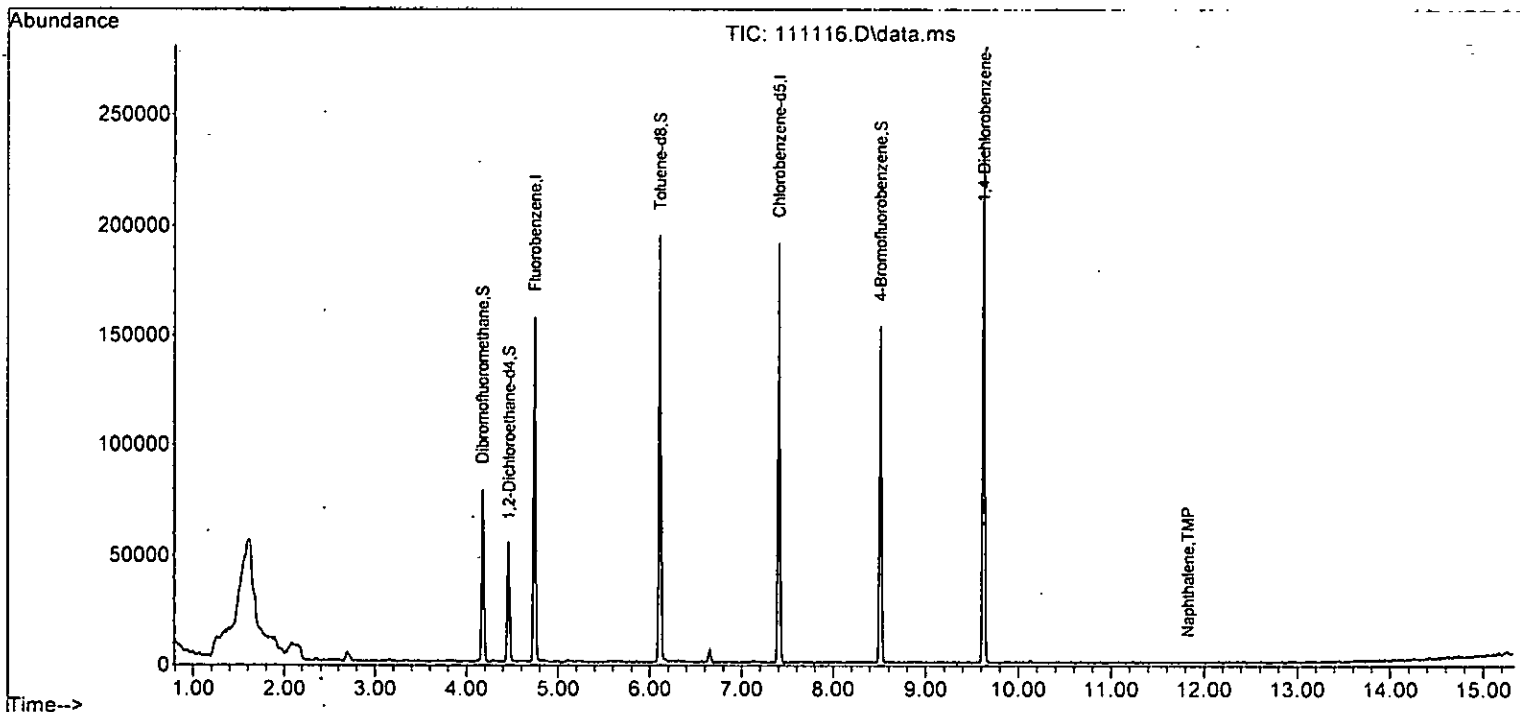
Quant Time: Nov 14 08:08:15 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.000		0		N.D.	
38) cis-1,3-Dichloropropene	0.000		0		N.D.	
40] Toluene	6.164	92	135		Below Cal	80
41) trans-1,3-Dichloropropene	0.000		0		N.D. d	
42] 1,1,2-Trichloroethane	6.648	83	27		Below Cal #	61
43) 2-Hexanone	0.000		0		N.D. d	
44) 1,3-Dichloropropane	0.000		0		N.D.	
45] Tetrachloroethene	6.648	164	1458	0.343	ppb	96
46) Dibromochloromethane	0.000		0		N.D.	
47) 1,2-Dibromoethane (EDB)	0.000		0		N.D.	
48) Chlorobenzene	0.000		0		N.D.	
49) Ethylbenzene	7.539	91	107		N.D.	
50) 1,1,1,2-Tetrachloroethane	0.000		0		N.D.	
51] m,p-Xylene	7.651	106	125	0.020	ppb	81
52) o-Xylene	8.022	106	57		N.D.	
53) Styrene	8.034	104	40		N.D.	
54) Isopropylbenzene	8.508	105	109		N.D.	
55) Bromoform	0.000		0		N.D.	
58) n-Propylbenzene	8.775	91	101		N.D.	
59) Bromobenzene	0.000		0		N.D.	
60) 1,3,5-Trimethylbenzene	8.939	105	93		N.D.	
61) 1,1,2,2-Tetrachloroethane	0.000		0		N.D.	
62) 1,2,3-Trichloropropane	0.000		0		N.D. d	
63) 2-Chlorotoluene	8.835	91	40		N.D.	
64) 4-Chlorotoluene	8.947	91	85		N.D.	
65) tert-Butylbenzene	0.000		0		N.D.	
66) 1,2,4-Trimethylbenzene	9.291	105	222		N.D.	
67) sec-Butylbenzene	9.472	105	84		N.D.	
68) p-Isopropyltoluene	9.617	119	132		N.D.	
69) 1,3-Dichlorobenzene	9.569	146	26		N.D.	
70) 1,4-Dichlorobenzene	9.569	146	26		N.D.	
71) 1,2-Dichlorobenzene	0.000		0		N.D.	
72) 1,2-Dibromo-3-chloropr...	0.000		0		N.D.	
73) 1,2,4-Trichlorobenzene	11.592	180	36		N.D.	
74) Hexachlorobutadiene	0.000		0		N.D.	
75) Naphthalene	11.828	128	210	0.097	ppb	69
76) 1,2,3-Trichlorobenzene	0.000		0		N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS13\11-11-22\
Data File : 111116.D
Acq On : 11 Nov 2022 01:32 pm
Operator : WE
Sample : 211162-08 1/0.25
Misc : soil
ALS Vial : 13 Sample Multiplier: 1
InstName : GCMS13

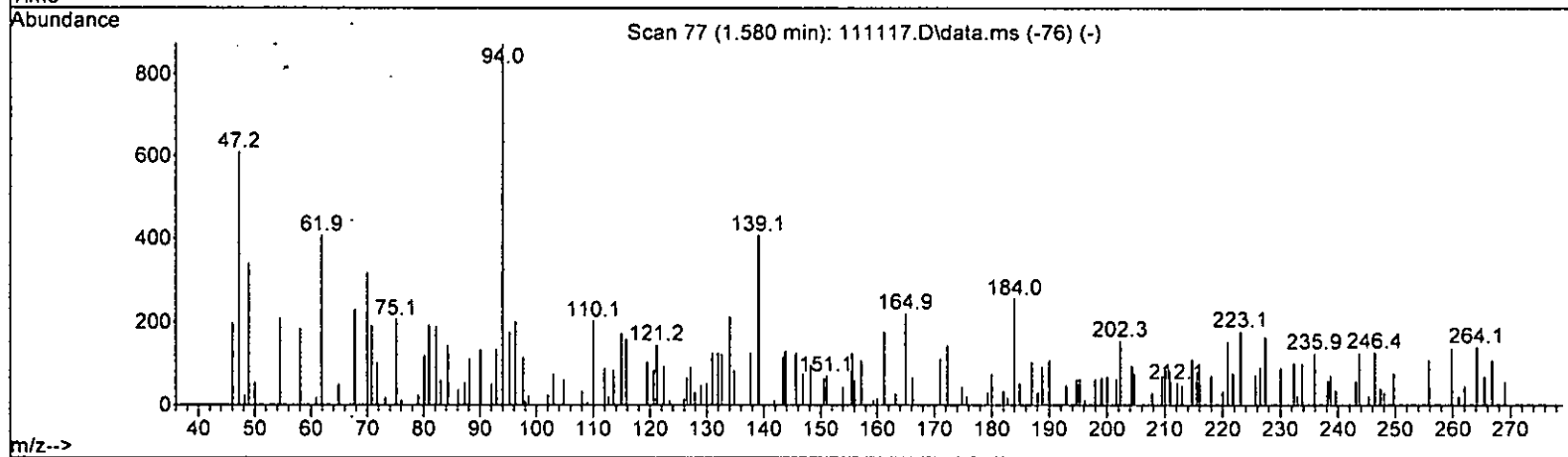
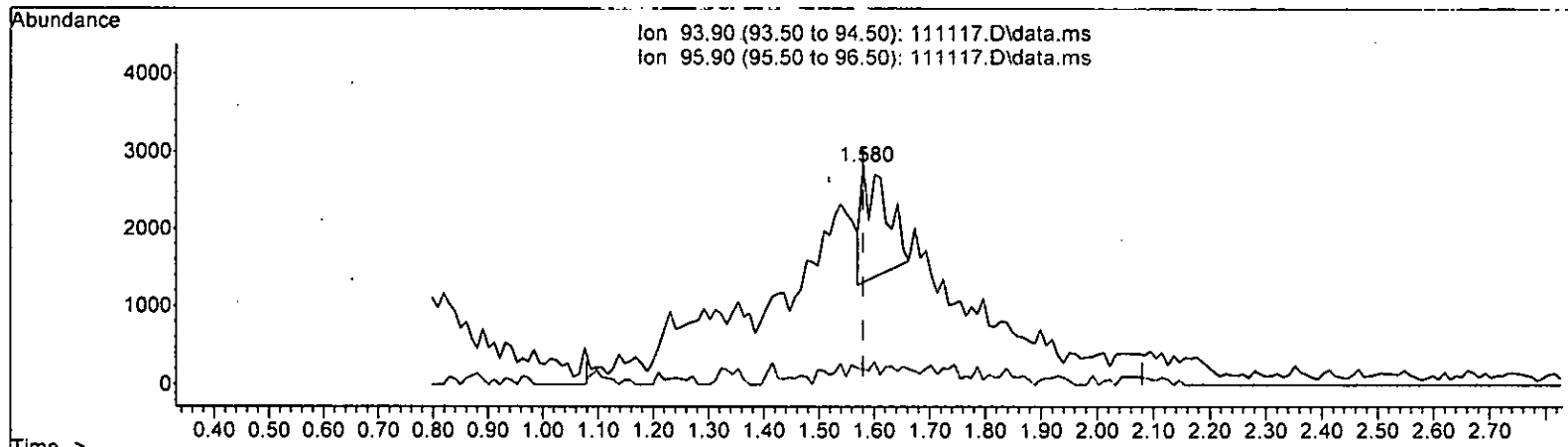
Quant Time: Nov 14 08:08:15 2022
Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
QLast Update : Mon Nov 07 15:16:10 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M



Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-11-22\
 Data File : 111117.D
 Acq On : 11 Nov 2022 01:55 pm
 Operator : WE
 Sample : 211162-09 1/0.25
 Misc : soil
 ALS Vial : 14 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 14 08:08:19 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth: VM080322.M



TIC: 111117.D\data.ms

(7) Bromomethane (TMP)

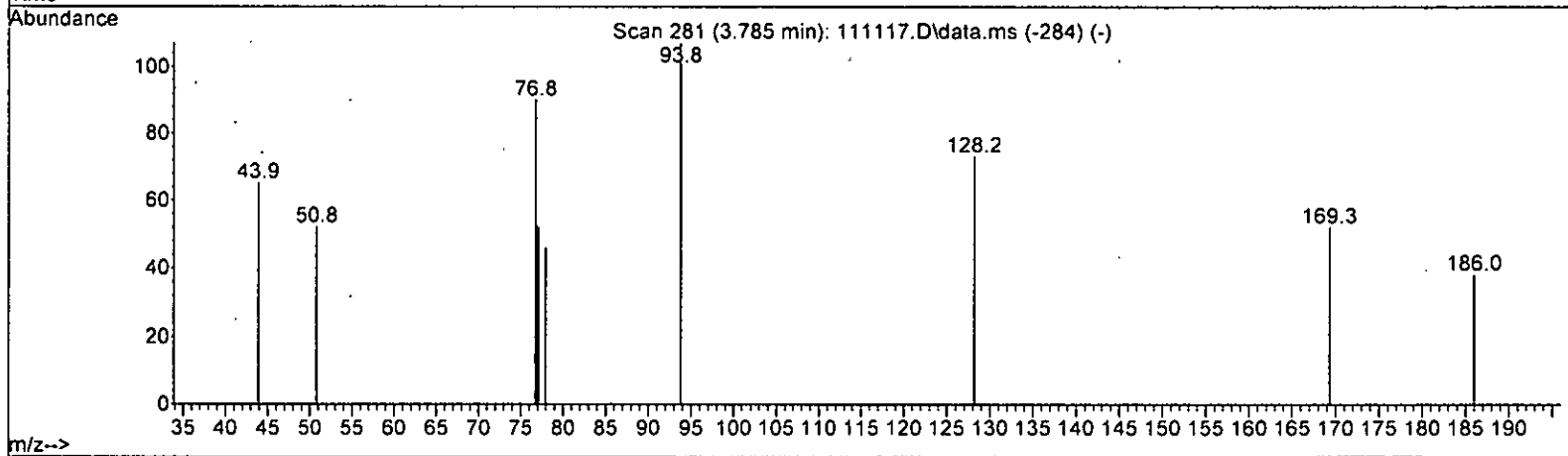
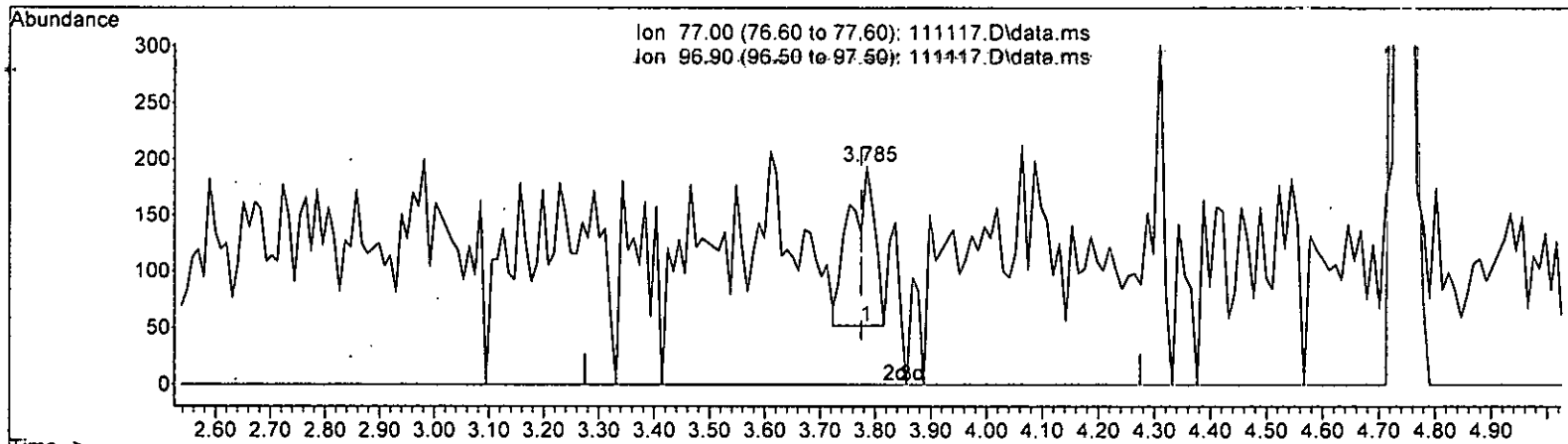
1.580min (+ 0.000) 0.830 ppb

response	4444	
Ion	Exp%	Act%
93.90	100.00	100.00
95.90	93.50	0.08#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-11-22\
 Data File : 111117.D
 Acq On : 11 Nov 2022 01:55 pm
 Operator : WE
 Sample : 211162-09 1/0.25
 Misc : soil
 ALS Vial : 14 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 14 08:08:19 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



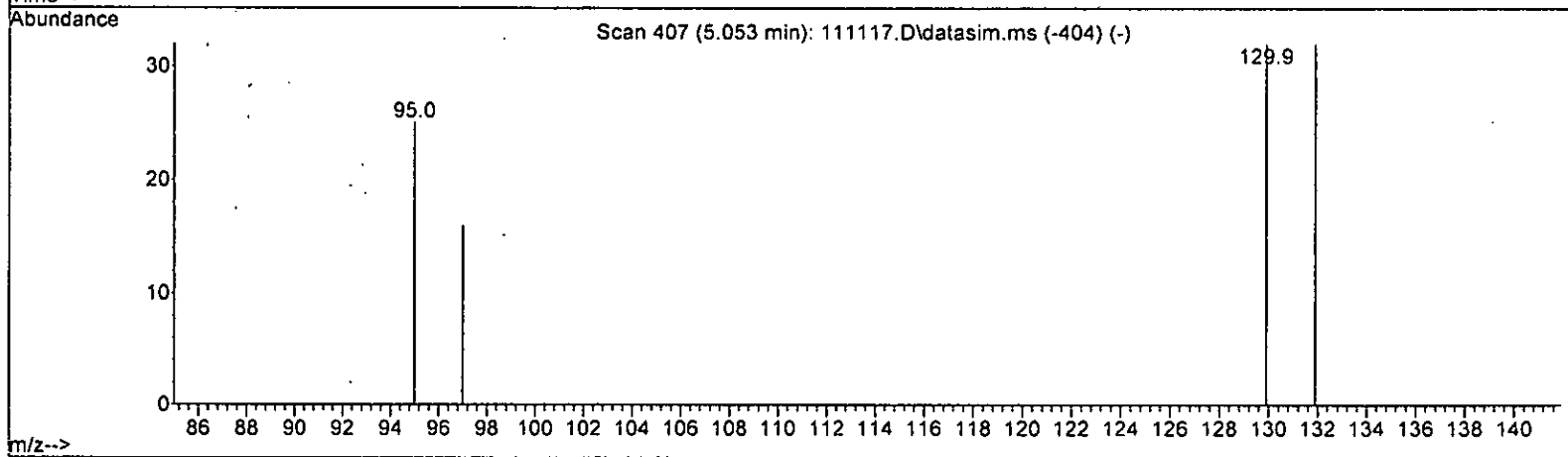
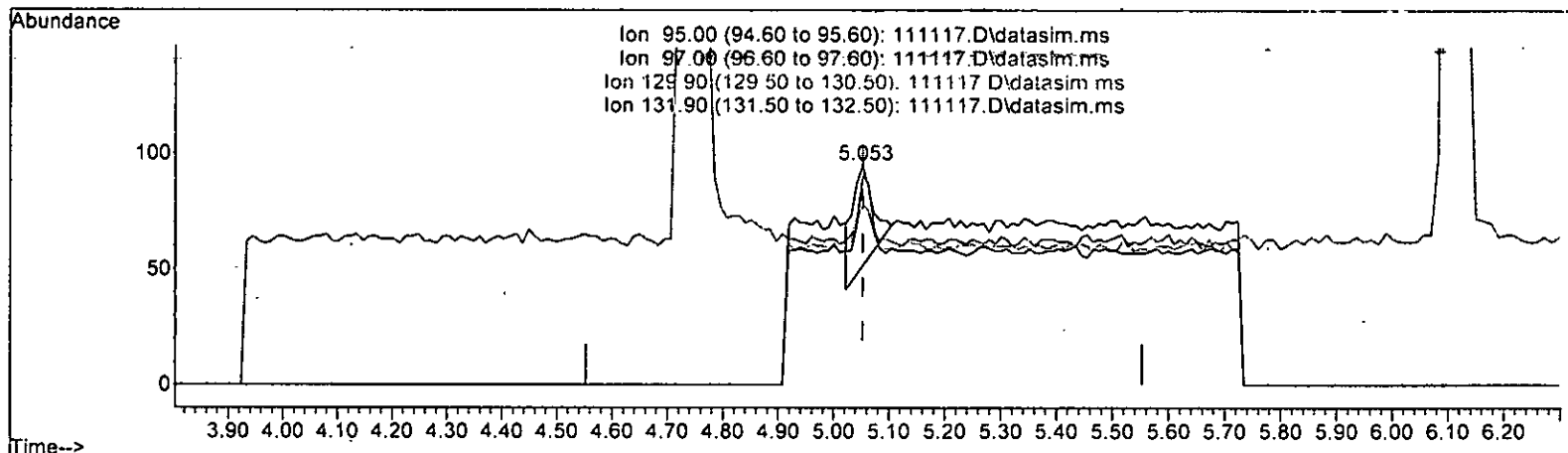
TIC: 111117.D\data.ms

(21) 2,2-Dichloropropane (TMP)		
3.785min (+ 0.010) 0.112 ppb		
response	445	
Ion	Exp%	Act%
77.00	100.00	100.00
96.90	26.80	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-11-22\
 Data File : 111117.D
 Acq On : 11 Nov 2022 01:55 pm
 Operator : WE
 Sample : 211162-09 1/0.25
 Misc : soil
 ALS Vial : 14 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 14 08:08:19 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 111117.D\data.ms

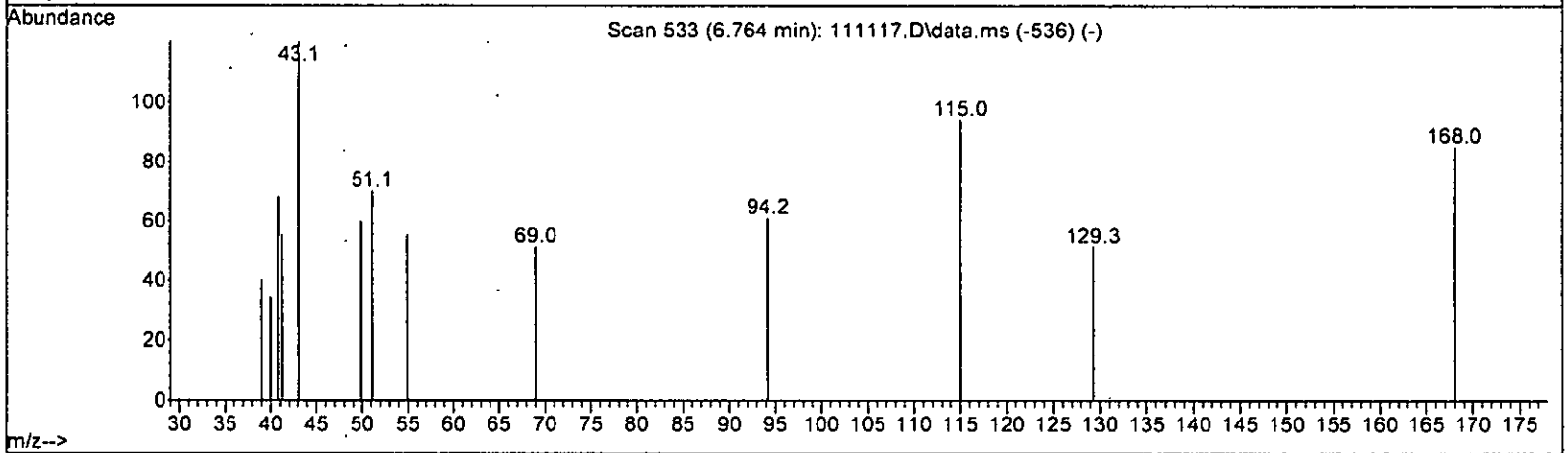
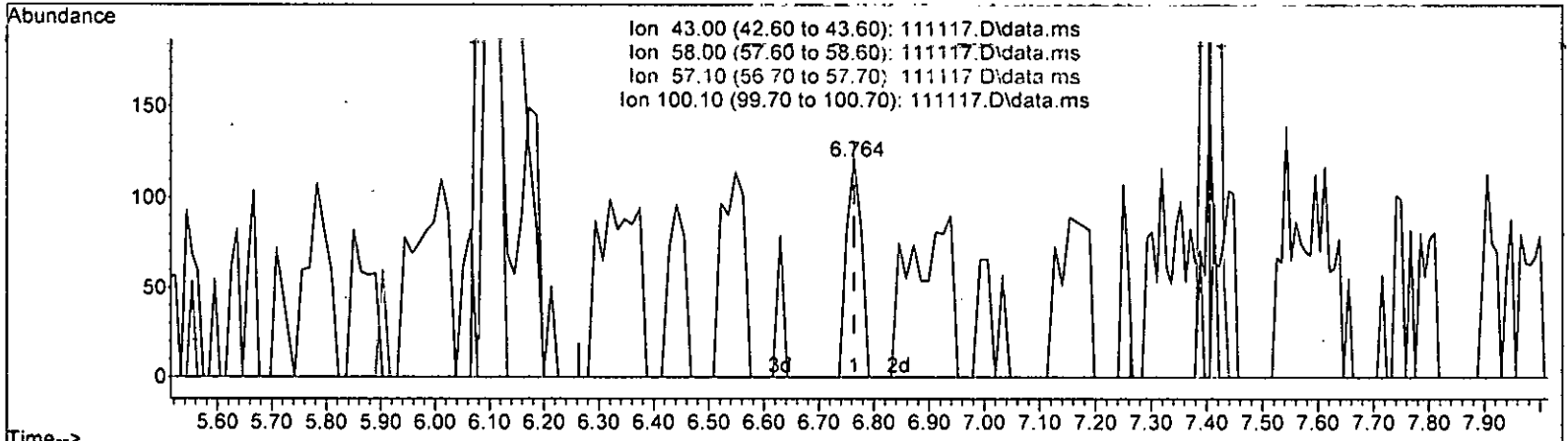
(32) Trichloroethene (TMP)
 5.053min (-0.000) 0.025 ppb

response	114	
Ion	Exp%	Act%
95.00	100.00	100.00
97.00	64.60	61.54
129.90	103.40	126.92
131.90	95.80	123.08

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-11-22\
 Data File : 111117.D
 Acq On : 11 Nov 2022 01:55 pm
 Operator : WE
 Sample : 211162-09 1/0.25
 Misc : soil
 ALS Vial : 14 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 14 08:08:19 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LI
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 111117.D\data.ms

(43) 2-Hexanone (TMP)		
6.764min (+ 0.000)	0.115	ppb
response	228	
Ion	Exp%	Act%
43.00	100.00	100.00
58.00	51.50	0.00#
57.10	16.30	0.00
100.10	10.20	0.00

Data Path : Y:\Proc_GCMS13\11-11-22\
 Data File : 111117.D
 Acq On : 11 Nov 2022 01:55 pm
 Operator : WE
 Sample : 211162-09 1/0.25
 Misc : soil
 ALS Vial : 14 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 14 08:08:19 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

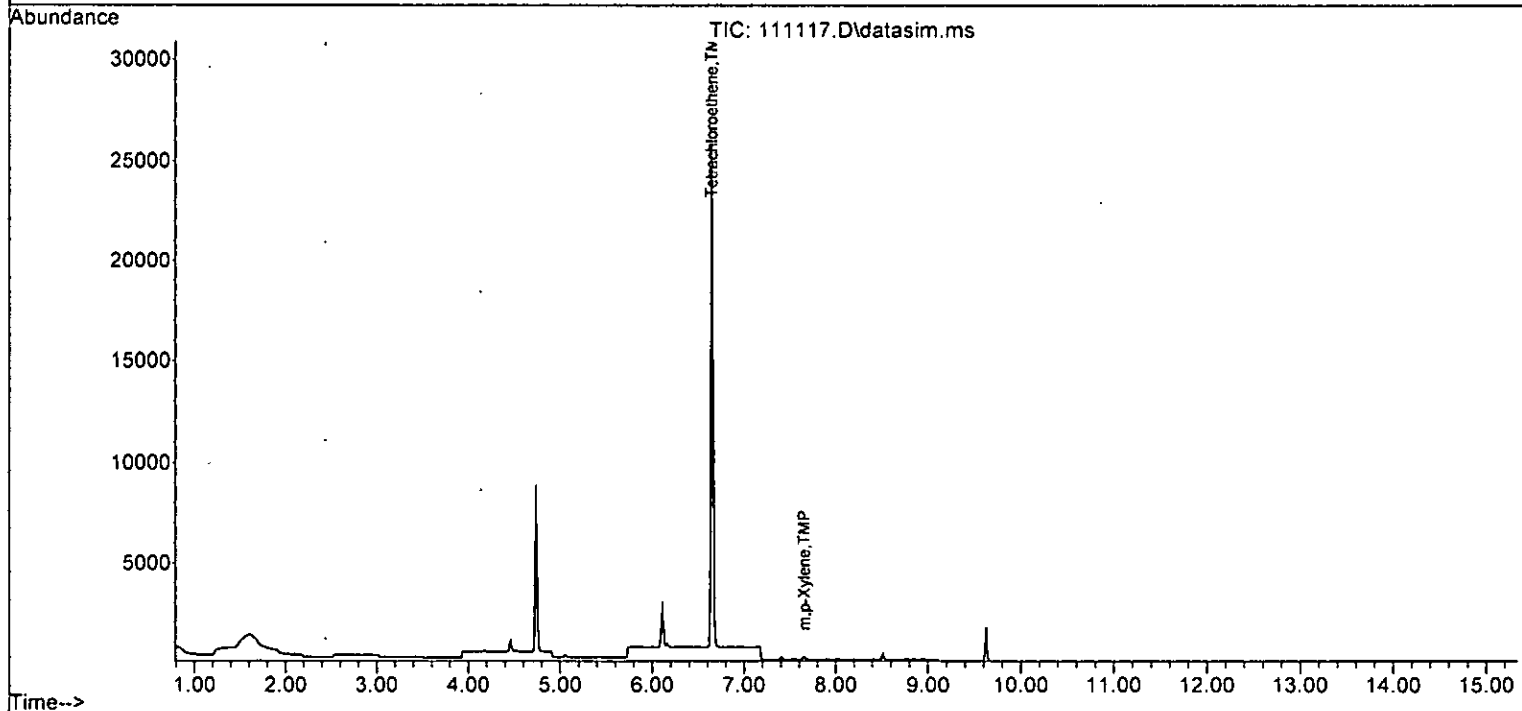
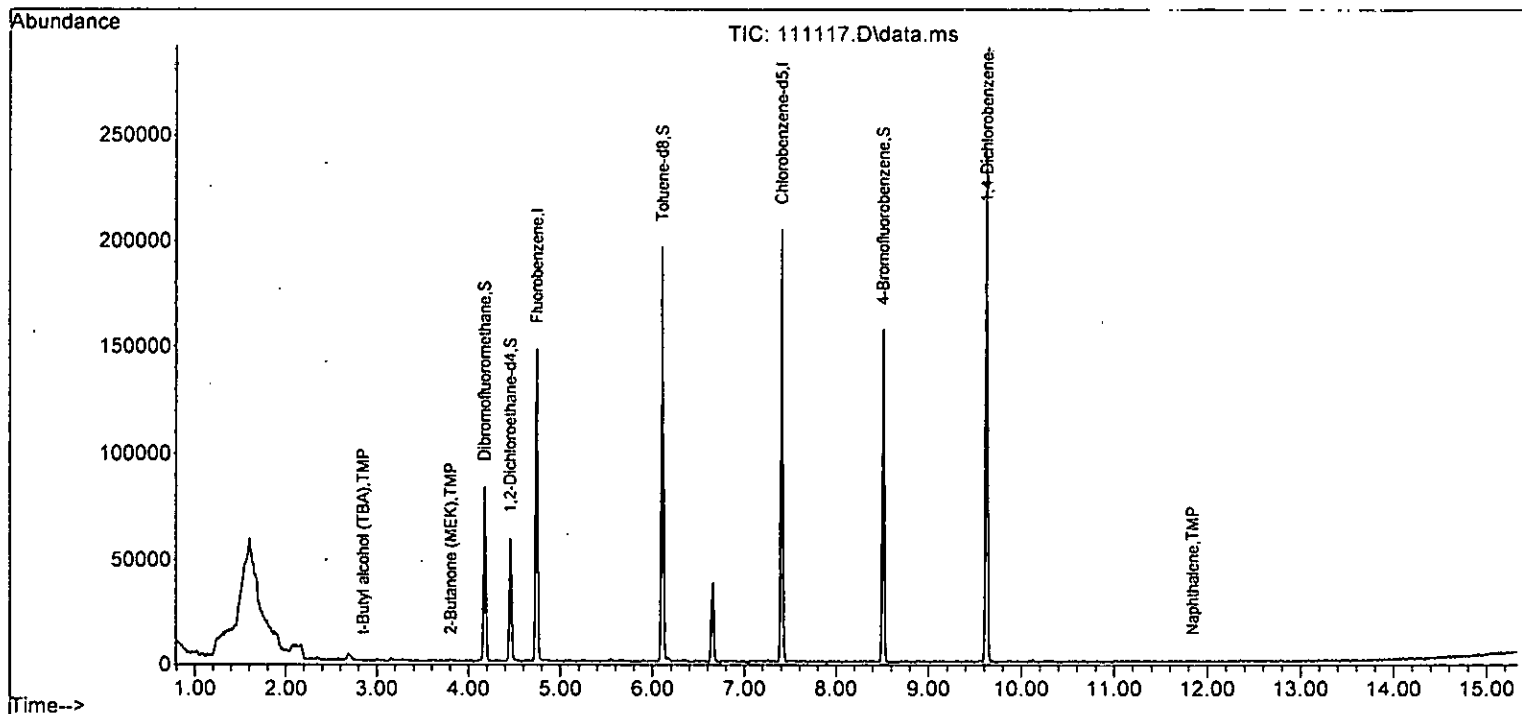
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

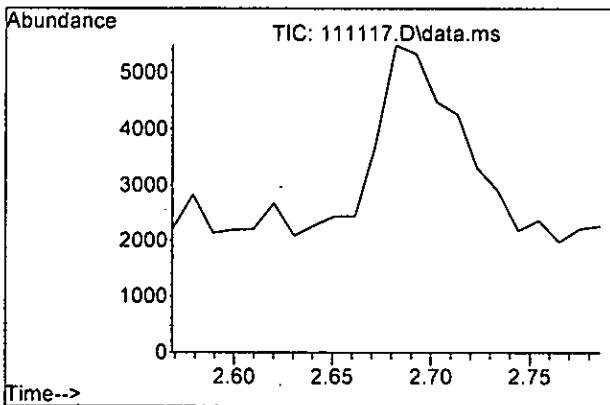
Internal Standards						
1) Fluorobenzene	4.746	96	123982	10.000	ppb	0.00
39) Chlorobenzene-d5	7.405	117	104519	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.624	152	62299	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.175	113	37558	9.446	ppb	0.00
Spiked Amount	10.000	Range 50 - 150	Recovery	=	94.50%	
30) 1,2-Dichloroethane-d4	4.455	102	7401	9.605	ppb	0.00
Spiked Amount	10.000	Range 84 - 120	Recovery	=	96.10%	
35) Toluene-d8	6.105	98	109775	9.284	ppb	0.00
Spiked Amount	10.000	Range 73 - 128	Recovery	=	92.80%	
57) 4-Bromofluorobenzene	8.508	95	41741	9.724	ppb	0.00
Spiked Amount	10.000	Range 57 - 146	Recovery	=	97.20%	
Target Compounds						
11) Acetone	2.342	58	276	Below Cal	#	46
14) Methylene chloride	2.682	84	2176	Below Cal		92
15) t-Butyl alcohol (TBA)	2.847	59	48	0.161	ppb	53
24) 2-Butanone (MEK)	3.805	43	656	0.165	ppb	55
26] 1,2-Dichloroethane (EDC)	4.527	62	80	Below Cal		94
40] Toluene	6.164	92	113	Below Cal		97
45] Tetrachloroethene	6.648	164	9351	2.255	ppb	95
46) Dibromochloromethane	6.885	129	46	Below Cal	#	11
51] m,p-Xylene	7.651	106	97	0.015	ppb	# 78
61) 1,1,2,2-Tetrachloroethane	8.508	83	26	Below Cal	#	1
75) Naphthalene	11.842	128	213	0.097	ppb	69

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS13\11-11-22\
Data File : 111117.D
Acq On : 11 Nov 2022 01:55 pm
Operator : WE
Sample : 211162-09 1/0.25
Misc : soil
ALS Vial : 14 Sample Multiplier: 1
InstName : GCMS13

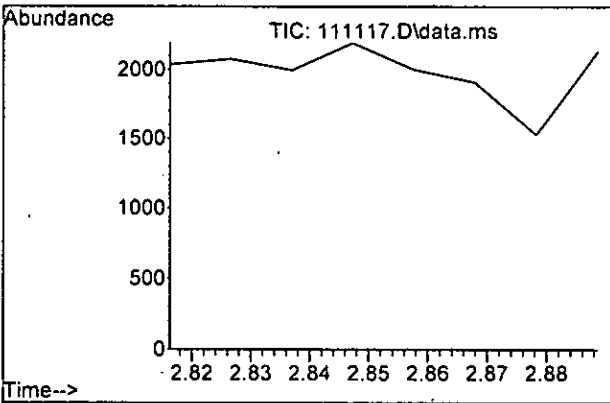
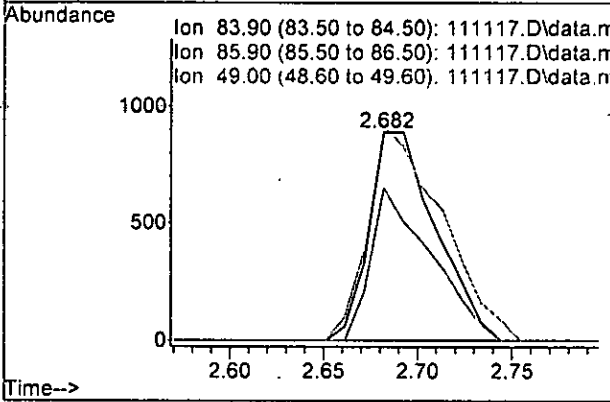
Quant Time: Nov 14 08:08:19 2022
Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
QLast Update : Mon Nov 07 15:16:10 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M





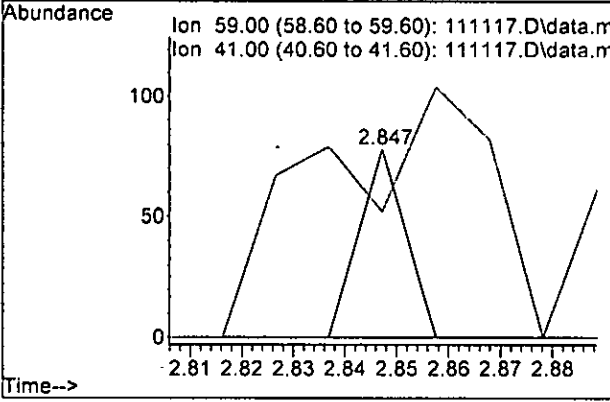
#14
 Methylene chloride
 Concen: Below Cal
 RT: 2.682 min Scan# 178
 Delta R.T. 0.000 min
 Lab File: 111117.D
 Acq: 11 Nov 2022 01:55 pm

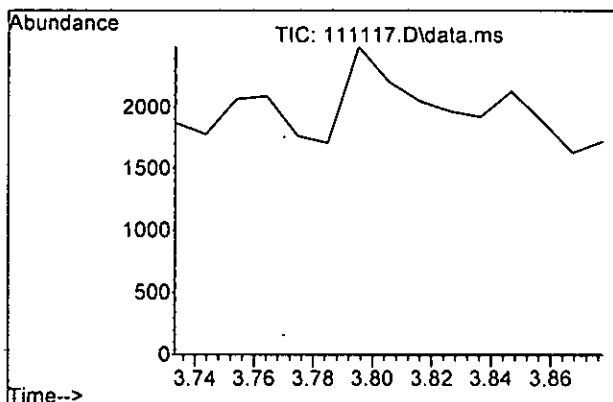
Tgt Ion	Resp	Lower	Upper
84	100		
86	73.3	37.1	97.1
49	102.7	81.3	141.3



#15
 t-Butyl alcohol (TBA)
 Concen: 0.161 ppb
 RT: 2.847 min Scan# 194
 Delta R.T. 0.031 min
 Lab File: 111117.D
 Acq: 11 Nov 2022 01:55 pm

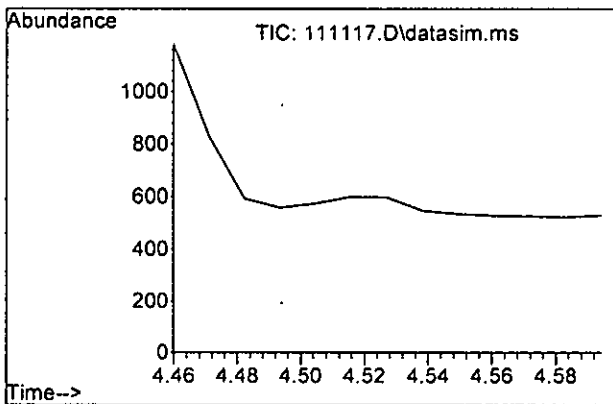
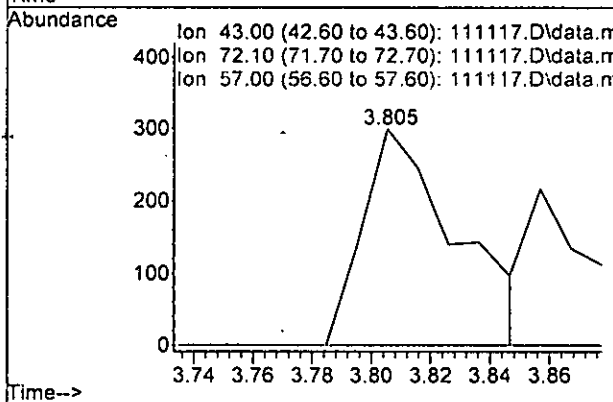
Tgt Ion	Resp	Lower	Upper
59	100		
41	0.0	0.0	52.9





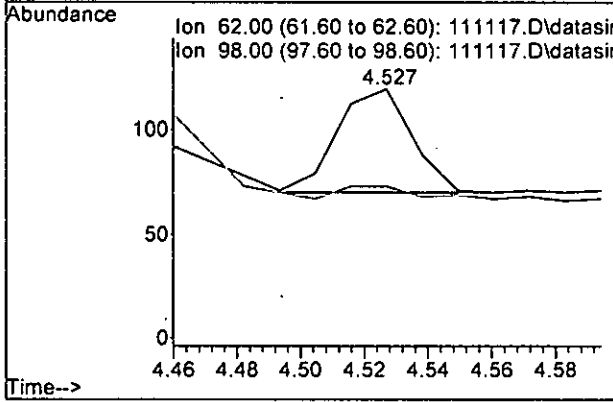
#24
 2-Butanone (MEK)
 Concen: 0.165 ppb
 RT: 3.805 min Scan# 283
 Delta R.T. 0.010 min
 Lab File: 111117.D
 Acq: 11 Nov 2022 01:55 pm

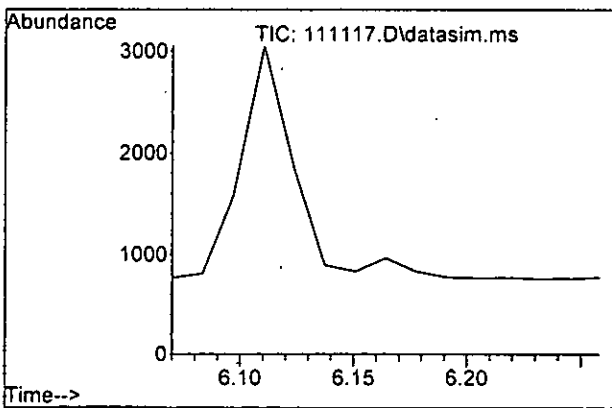
Tgt Ion	Ratio	Lower	Upper
43	100		
72	0.0	0.0	57.0
57	0.0	0.0	28.0



#26
 1,2-Dichloroethane (EDC)
 Concen: Below Cal
 RT: 4.527 min Scan# 359
 Delta R.T. 0.000 min
 Lab File: 111117.D
 Acq: 11 Nov 2022 01:55 pm

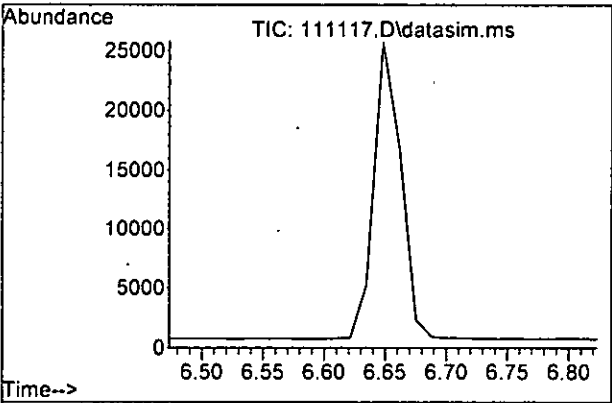
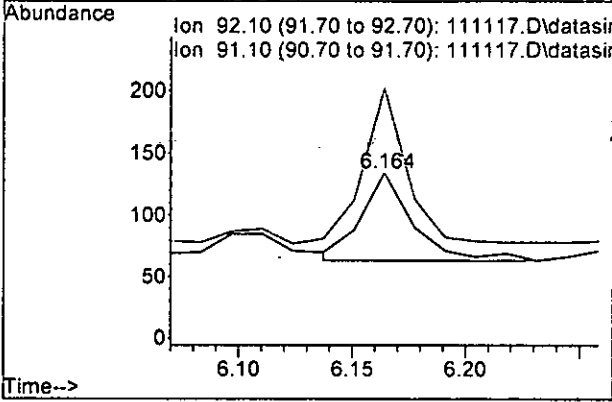
Tgt Ion	Ratio	Lower	Upper
62	100		
98	12.2	0.0	40.1





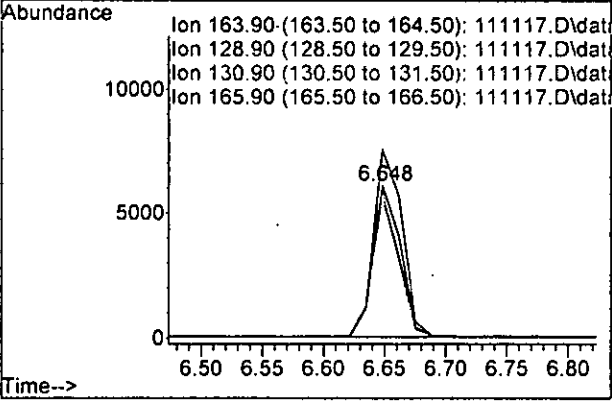
#40
 Toluene
 Concen: Below Cal
 RT: 6.164 min Scan# 505
 Delta R.T. 0.000 min
 Lab File: 111117.D
 Acq: 11 Nov 2022 01:55 pm

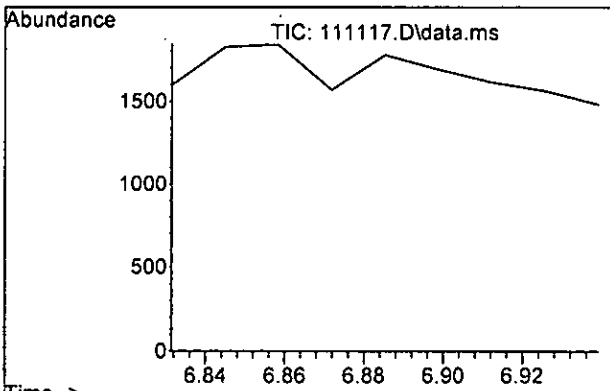
Tgt Ion	Ratio	Lower	Upper
92	100		
91	174.6	148.5	208.5



#45
 Tetrachloroethene
 Concen: 2.255 ppb
 RT: 6.648 min Scan# 541
 Delta R.T. 0.000 min
 Lab File: 111117.D
 Acq: 11 Nov 2022 01:55 pm

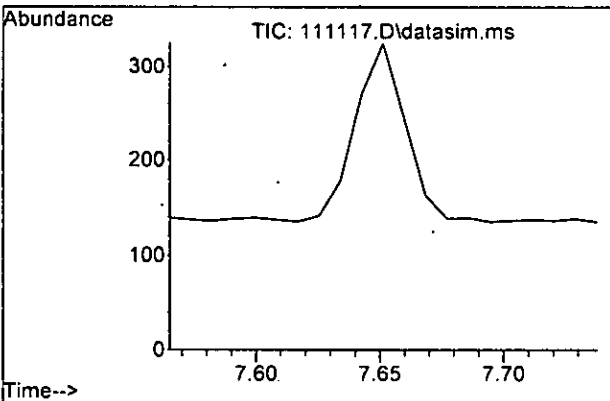
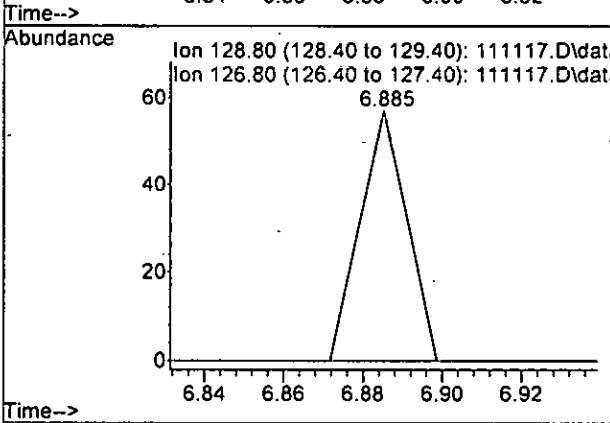
Tgt Ion	Ratio	Lower	Upper
164	100		
129	95.3	72.1	132.1
131	90.0	64.8	124.8
166	123.8	90.0	150.0





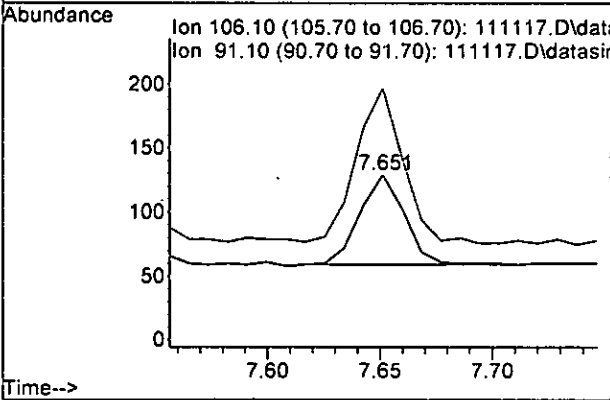
#46
 Dibromochloromethane
 Concen: Below Cal
 RT: 6.885 min Scan# 542
 Delta R.T. 0.000 min
 Lab File: 111117.D
 Acq: 11 Nov 2022 01:55 pm

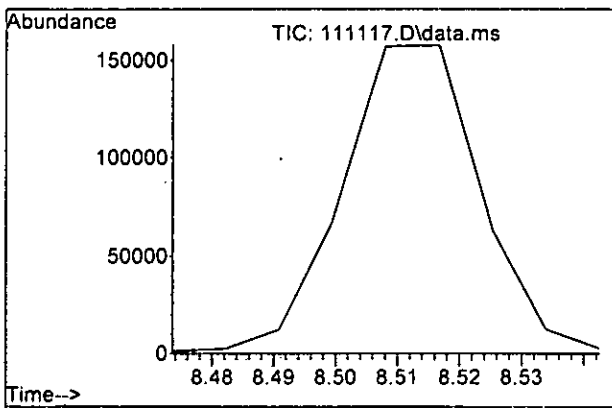
Tgt Ion:129 Resp: 46
 Ion Ratio Lower Upper
 129 100
 127 0.0 46.8 106.8#



#51
 m,p-Xylene
 Concen: 0.015 ppb
 RT: 7.651 min Scan# 635
 Delta R.T. 0.000 min
 Lab File: 111117.D
 Acq: 11 Nov 2022 01:55 pm

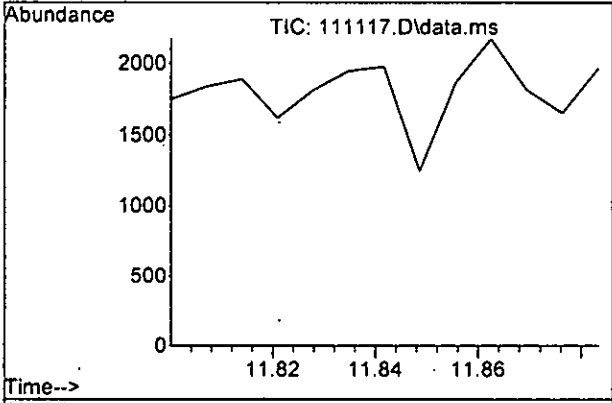
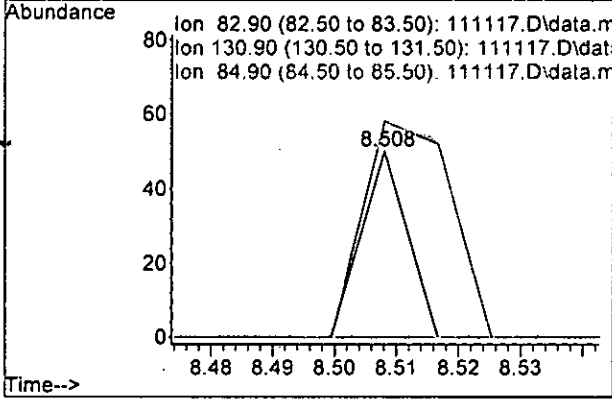
Tgt Ion:106 Resp: 97
 Ion Ratio Lower Upper
 106 100
 91 171.4 175.7 235.7#





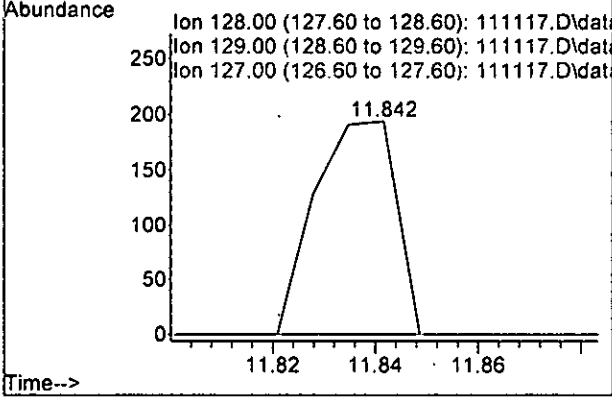
#61
 1,1,2,2-Tetrachloroethane
 Concen: Below Cal
 RT: 8.508 min Scan# 716
 Delta R.T. -0.147 min
 Lab File: 111117.D
 Acq: 11 Nov 2022 01:55 pm

Tgt Ion	Ratio	Lower	Upper
83	100		
131	116.0	0.0	40.8#
85	0.0	36.2	96.2#



#75
 Naphthalene
 Concen: 0.097 ppb
 RT: 11.842 min Scan# 1178
 Delta R.T. 0.007 min
 Lab File: 111117.D
 Acq: 11 Nov 2022 01:55 pm

Tgt Ion	Ratio	Lower	Upper
128	100		
129	0.0	0.0	40.8
127	0.0	0.0	43.1



Data Path : Y:\Proc_GCMS13\11-11-22\
 Data File : 111117.D
 Acq On : 11 Nov 2022 01:55 pm
 Operator : WE
 Sample : 211162-09 1/0.25
 Misc : soil
 ALS Vial : 14 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 14 08:08:19 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 Qlast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	4.746	96	123982	10.000	ppb	0.00
39) Chlorobenzene-d5	7.405	117	104519	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.624	152	62299	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.175	113	37558	9.446	ppb	0.00
Spiked Amount	10.000	Range 50 - 150	Recovery	=	94.50%	
30) 1,2-Dichloroethane-d4	4.455	102	7401	9.605	ppb	0.00
Spiked Amount	10.000	Range 84 - 120	Recovery	=	96.10%	
35) Toluene-d8	6.105	98	109775	9.284	ppb	0.00
Spiked Amount	10.000	Range 73 - 128	Recovery	=	92.80%	
57) 4-Bromofluorobenzene	8.508	95	41741	9.724	ppb	0.00
Spiked Amount	10.000	Range 57 - 146	Recovery	=	97.20%	
Target Compounds						
2) Ethanol	2.342	45	240	No Calib		Qvalue
4) Dichlorodifluoromethane	1.138	85	86	N.D.		
5) Chloromethane	1.282	50	211	N.D.		
6) Vinyl chloride	0.000		0	N.D.		
7) Bromomethane	0.000		0	N.D. d		
8) Chloroethane	0.000		0	N.D.		
9) Trichlorofluoromethane	0.000		0	N.D.		
10) 2-Propanol	2.342	45	240	No Calib	#	
11) Acetone	2.342	58	276	Below Cal	#	46
12) 1,1-Dichloroethene	0.000		0	N.D.		
13) Hexane	3.157	57	250	N.D.		
14) Methylene chloride	2.682	84	2176	Below Cal		92
15) t-Butyl alcohol (TBA)	2.847	59	48	0.161	ppb	53
16) Methyl t-butyl ether (...)	0.000		0	N.D.		
17) trans-1,2-Dichloroethene	0.000		0	N.D.		
18) Diisopropyl ether (DIPE)	0.000		0	N.D.		
19) 1,1-Dichloroethane	0.000		0	N.D.		
20) Ethyl t-butyl ether (E...)	0.000		0	N.D.		
21) 2,2-Dichloropropane	0.000		0	N.D. d		
22) cis-1,2-Dichloroethene	0.000		0	N.D.		
23) Chloroform	0.000		0	N.D.		
24) 2-Butanone (MEK)	3.805	43	656	0.165	ppb	55
25) t-Amyl methyl ether (T...)	0.000		0	N.D.		
26] 1,2-Dichloroethane (EDC)	4.527	62	80	Below Cal		94
27) 1,1,1-Trichloroethane	0.000		0	N.D.		
28) 1,1-Dichloropropene	0.000		0	N.D.		
29) Carbon tetrachloride	0.000		0	N.D.		
31) Benzene	0.000		0	N.D.		
32) Trichloroethene	0.000		0	N.D. d		
33) 1,2-Dichloropropane	5.244	63	117	N.D.		
34) Bromodichloromethane	0.000		0	N.D.		
36) Dibromomethane	0.000		0	N.D.		

Data Path : Y:\Proc_GCMS13\11-11-22\
 Data File : 111117.D
 Acq On : 11 Nov 2022 01:55 pm
 Operator : WE
 Sample : 211162-09 1/0.25
 Misc : soil
 ALS Vial : 14 Sample Multiplier: 1
 InstName : GCMS13

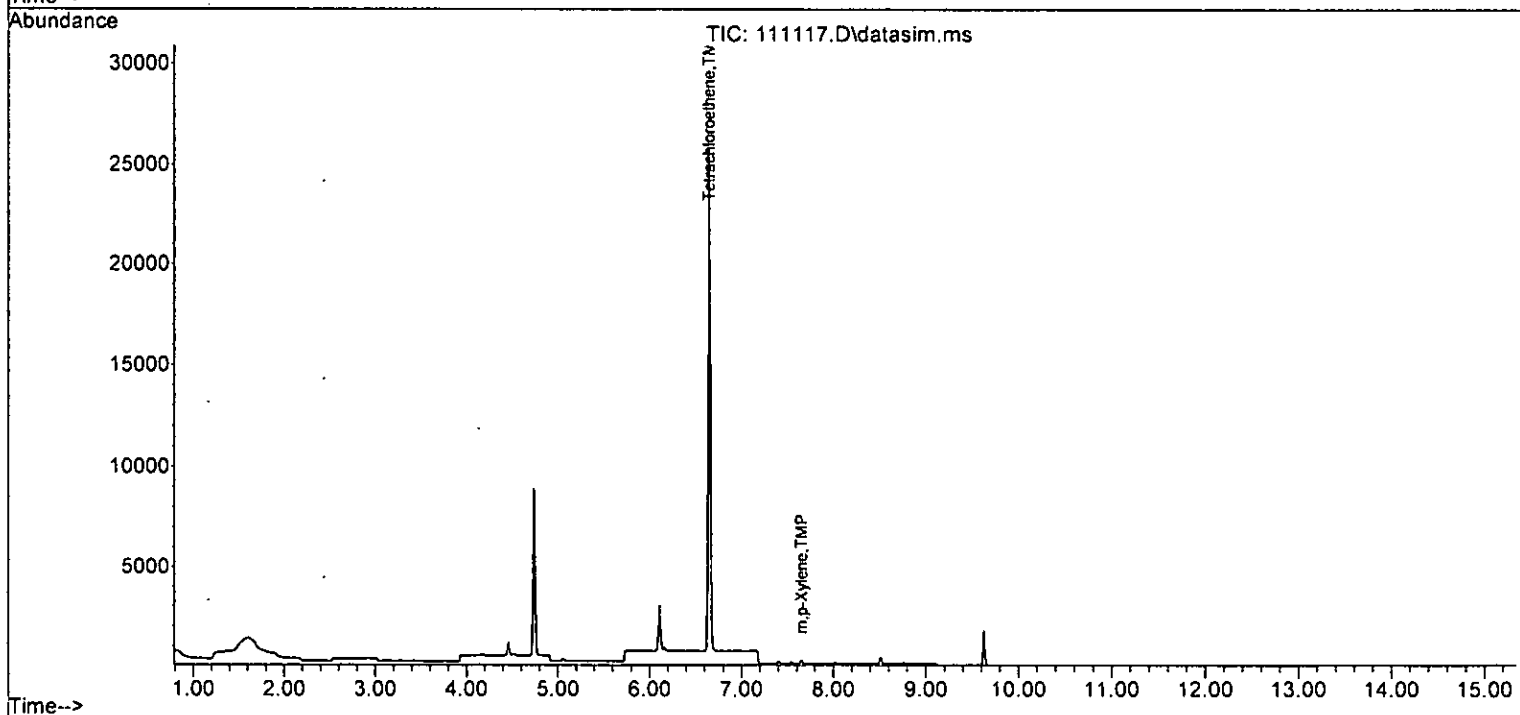
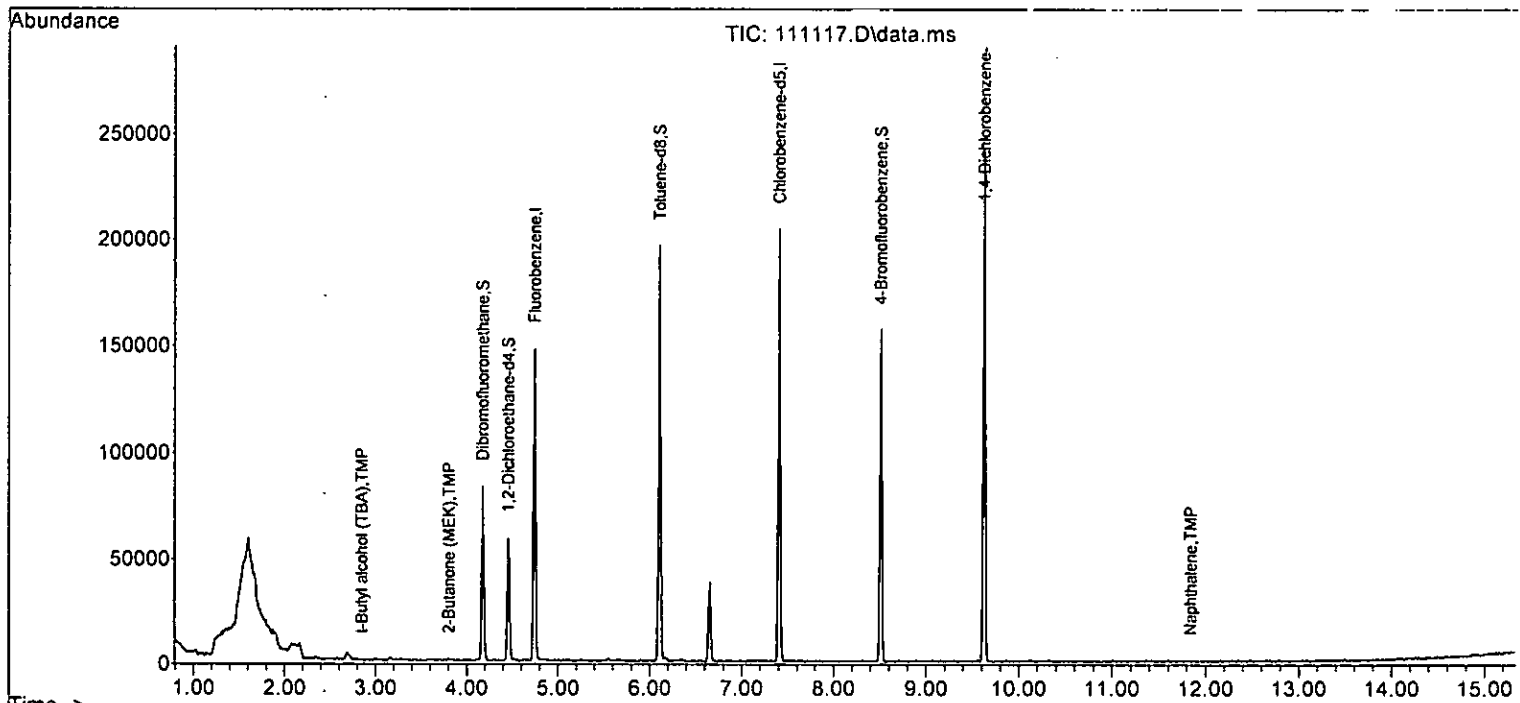
Quant Time: Nov 14 08:08:19 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 Qlast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.000		0		N.D.	
38) cis-1,3-Dichloropropene	0.000		0		N.D.	
40] Toluene	6.164	92	113		Below Cal	97
41) trans-1,3-Dichloropropene	6.374	75	87		N.D.	
42) 1,1,2-Trichloroethane	6.648	83	142		N.D.	
43) 2-Hexanone	0.000		0		N.D. d	
44) 1,3-Dichloropropane	0.000		0		N.D.	
45] Tetrachloroethene	6.648	164	9351	2.255	ppb	95
46) Dibromochloromethane	6.885	129	46		Below Cal #	11
47) 1,2-Dibromoethane (EDB)	0.000		0		N.D.	
48) Chlorobenzene	0.000		0		N.D.	
49) Ethylbenzene	7.539	91	89		N.D.	
50) 1,1,1,2-Tetrachloroethane	7.483	131	26		N.D.	
51] m,p-Xylene	7.651	106	97	0.015	ppb #	78
52) o-Xylene	8.022	106	36		N.D.	
53) Styrene	0.000		0		N.D.	
54) Isopropylbenzene	8.508	105	81		N.D.	
55) Bromoform	0.000		0		N.D.	
58) n-Propylbenzene	8.767	91	111		N.D.	
59) Bromobenzene	0.000		0		N.D.	
60) 1,3,5-Trimethylbenzene	8.930	105	35		N.D.	
61) 1,1,2,2-Tetrachloroethane	8.508	83	26		Below Cal #	1
62) 1,2,3-Trichloropropane	8.620	75	28		N.D.	
63) 2-Chlorotoluene	8.767	91	111		N.D.	
64) 4-Chlorotoluene	8.948	91	35		N.D.	
65) tert-Butylbenzene	0.000		0		N.D.	
66) 1,2,4-Trimethylbenzene	9.298	105	126		N.D.	
67) sec-Butylbenzene	9.465	105	131		N.D.	
68) p-Isopropyltoluene	9.617	119	249		N.D.	
69) 1,3-Dichlorobenzene	9.645	146	46		N.D.	
70) 1,4-Dichlorobenzene	9.645	146	46		N.D.	
71) 1,2-Dichlorobenzene	0.000		0		N.D.	
72) 1,2-Dibromo-3-chloropr...	10.823	75	25		N.D.	
73) 1,2,4-Trichlorobenzene	11.592	180	74		N.D.	
74) Hexachlorobutadiene	0.000		0		N.D.	
75) Naphthalene	11.842	128	213	0.097	ppb	69
76) 1,2,3-Trichlorobenzene	0.000		0		N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS13\11-11-22\
 Data File : 111117.D
 Acq On : 11 Nov 2022 01:55 pm
 Operator : WE
 Sample : 211162-09 1/0.25
 Misc : soil
 ALS Vial : 14 Sample Multiplier: 1
 InstName : GCMS13

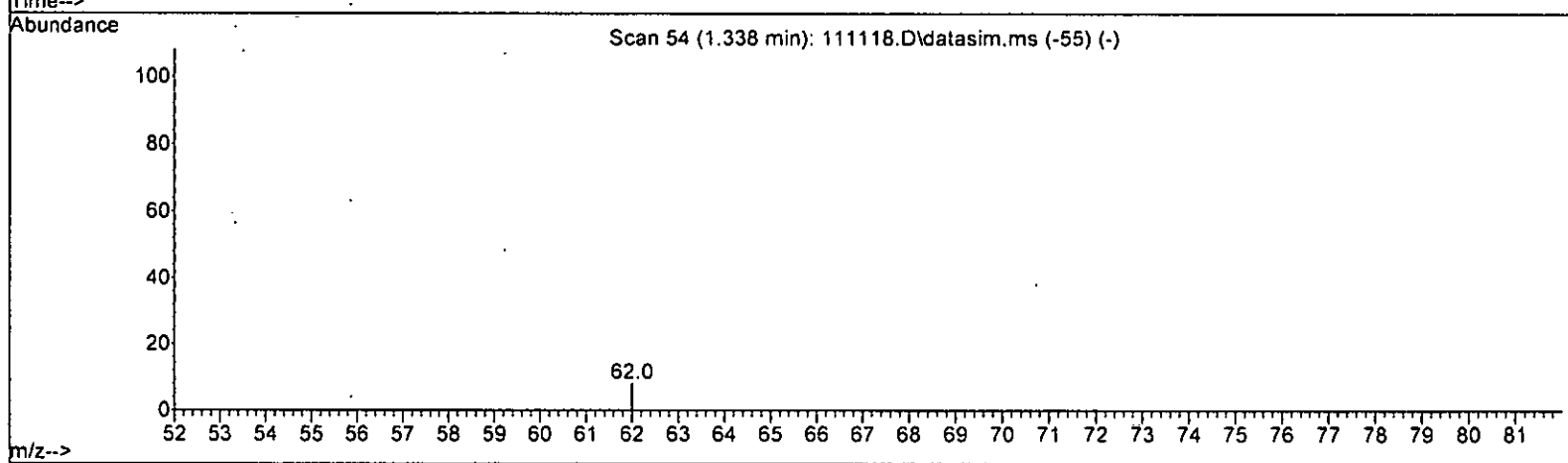
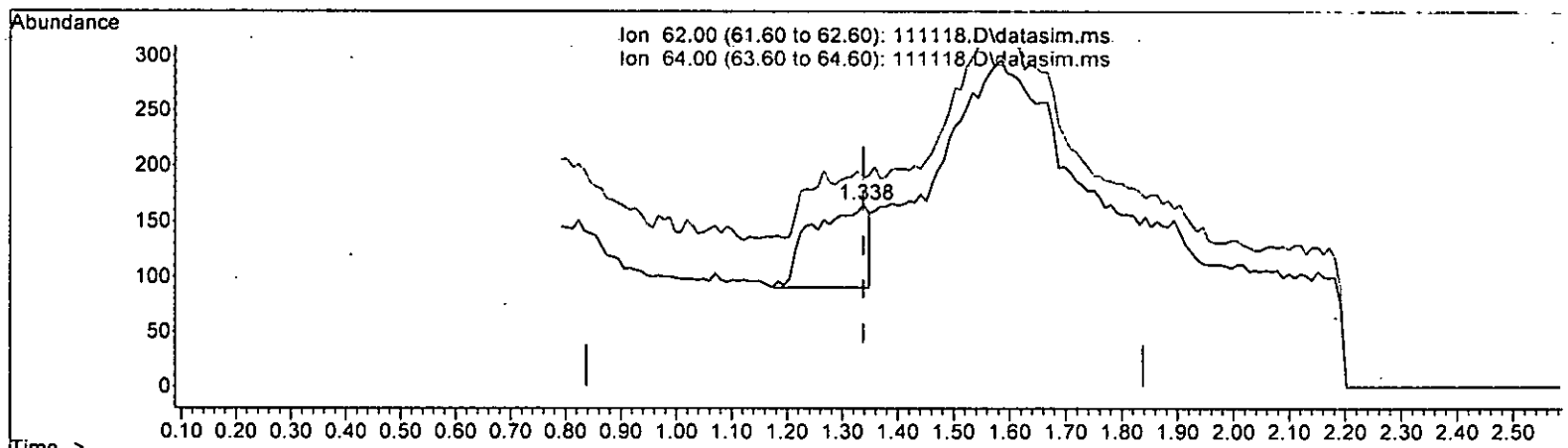
Quant Time: Nov 14 08:08:19 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-11-22\
 Data File : 111118.D
 Acq On : 11 Nov 2022 02:18 pm
 Operator : WE
 Sample : 211162-10 1/0.25
 Misc : soil
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 14 08:08:23 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 111118.D\data.ms

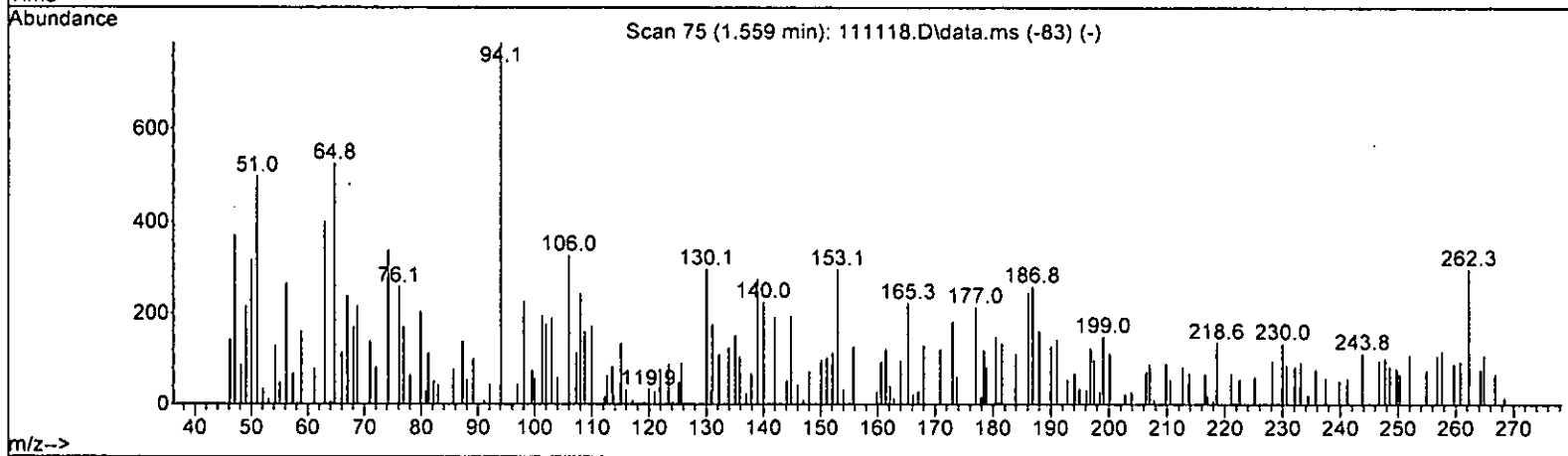
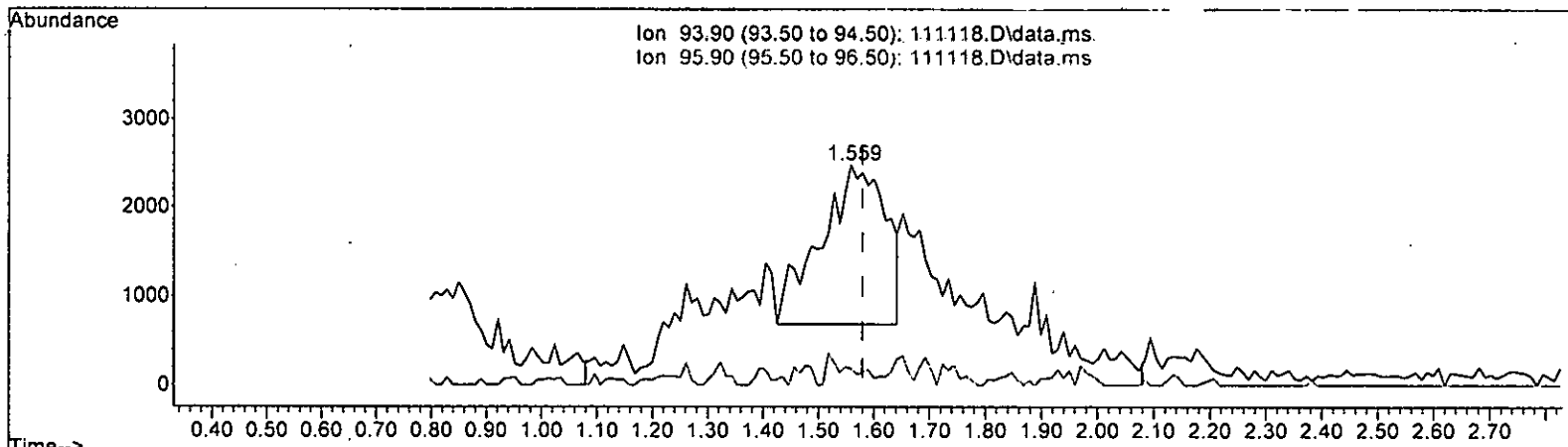
(6) Vinyl chloride (TMP)
 1.338min (-0.000) 0.081 ppb

response	524	
Ion	Exp%	Act%
62.00	100.00	100.00
64.00	34.40	70.67#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-11-22\
 Data File : 111118.D
 Acq On : 11 Nov 2022 02:18 pm
 Operator : WE
 Sample : 211162-10 1/0.25
 Misc : soil
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 14 08:08:23 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



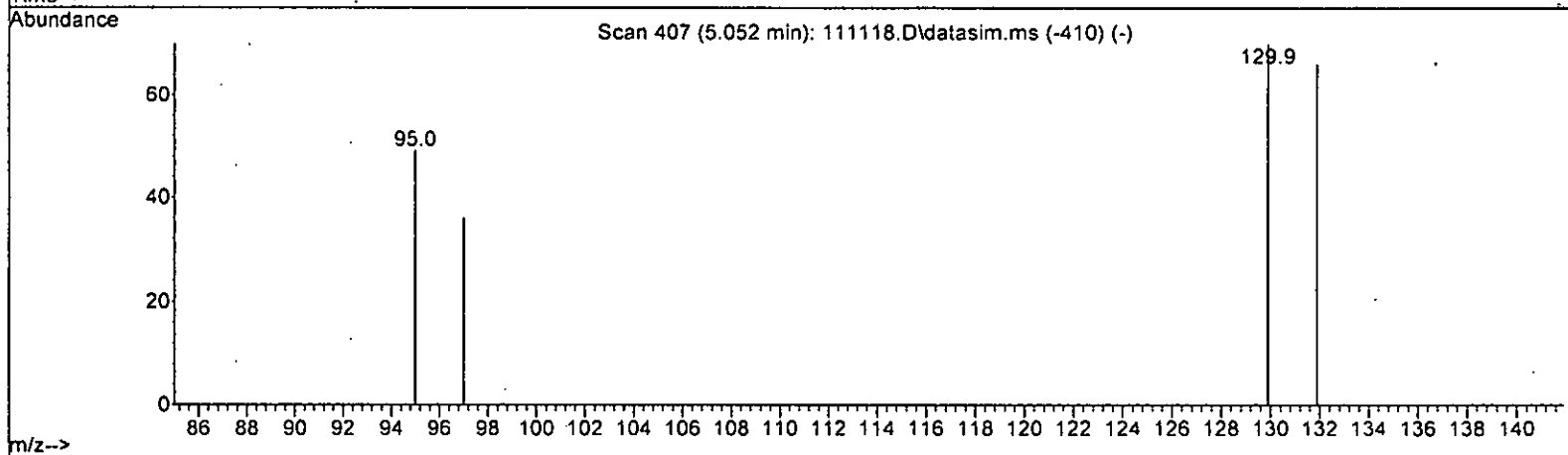
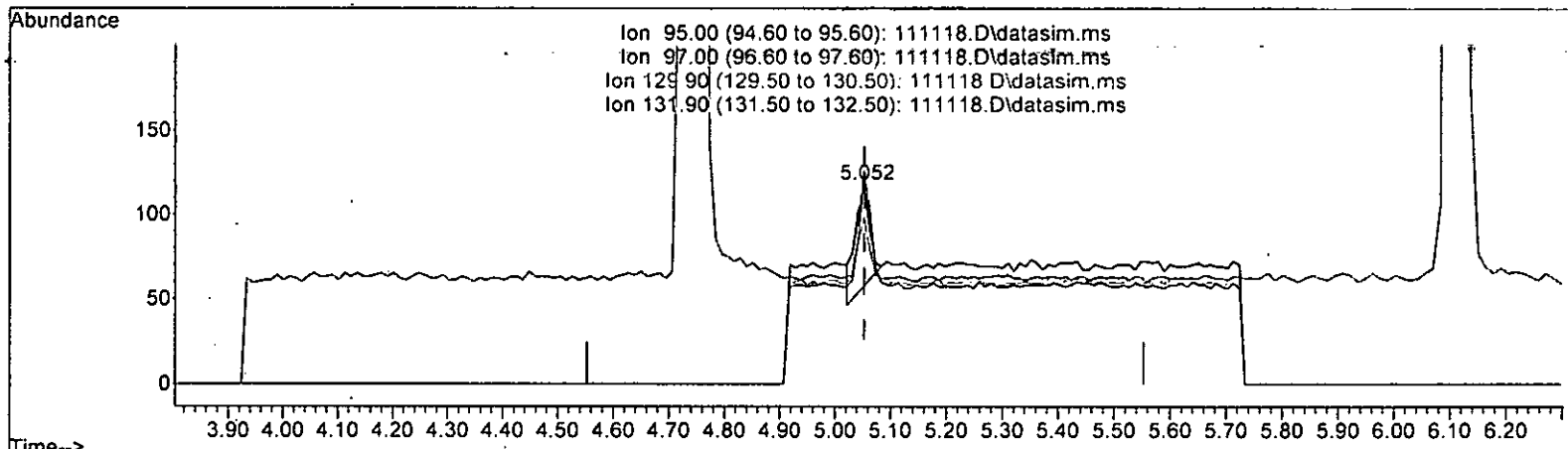
TIC: 111118.D\data.ms

(7) Bromomethane (TMP)		
response	Exp%	Act%
1.559min (-0.021) 2.668 ppb		
93.90	100.00	100.00
95.90	93.50	7.08#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-11-22\
 Data File : 111118.D
 Acq On : 11.Nov 2022 02:18 pm
 Operator : WE
 Sample : 211162-10 1/0.25
 Misc : soil
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 14 08:08:23 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 111118.D\data.ms

(32) Trichloroethene (TME)

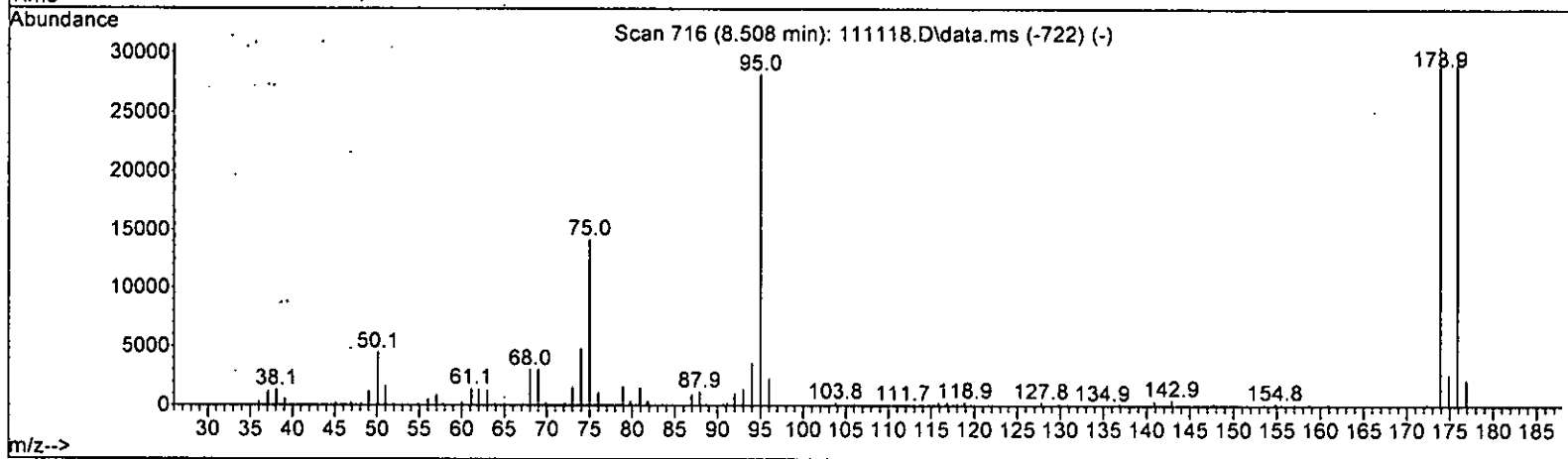
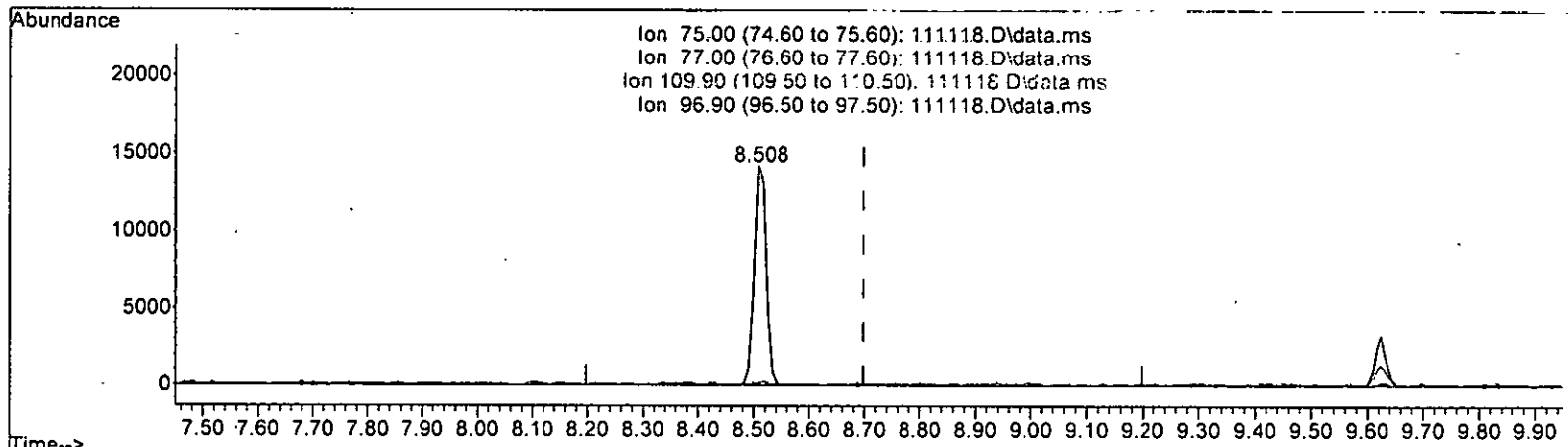
5.052min (-0.001) 0.024 ppb

response	113	
Ion	Exp%	Act%
95.00	100.00	100.00
97.00	64.60	73.47
129.90	103.40	142.86#
131.90	95.80	140.82#

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-11-22\
 Data File : 111118.D
 Acq On : 11 Nov 2022 02:18 pm
 Operator : WE
 Sample : 211162-10 1/0.25
 Misc : soil
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 14 08:08:23 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 111118.D\data.ms

(62) 1,2,3-Trichloropropane (TMP)

8.508min (-0.190) 6.736 ppb

response	20619
Ion	Exp% Act%
75.00	100.00 100.00
77.00	34.00 0.57#
109.90	36.50 0.51#
96.90	22.60 0.00

Data Path : Y:\Proc_GCMS13\11-11-22\
 Data File : 111118.D
 Acq On : 11 Nov 2022 02:18 pm
 Operator : WE
 Sample : 211162-10 1/0.25
 Misc : soil
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 14 08:08:23 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LI.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

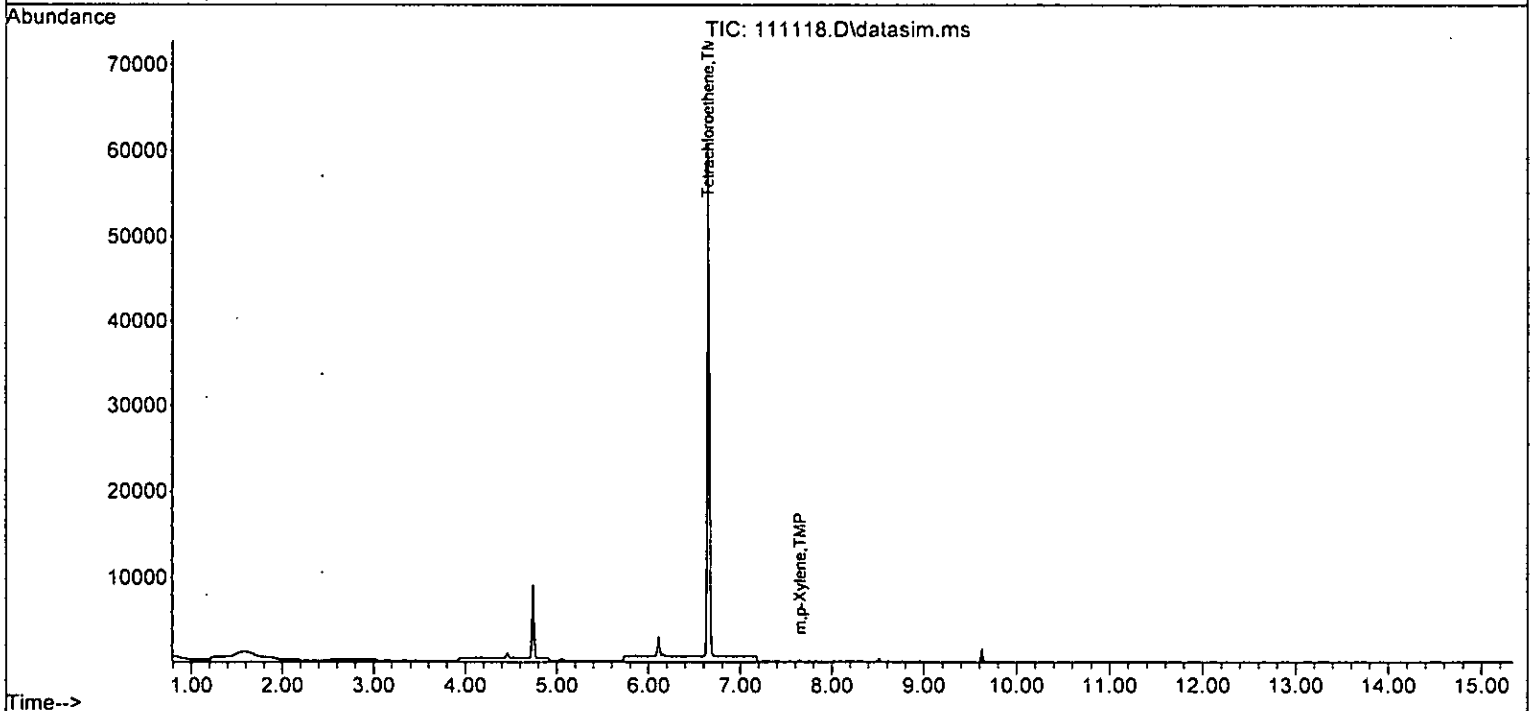
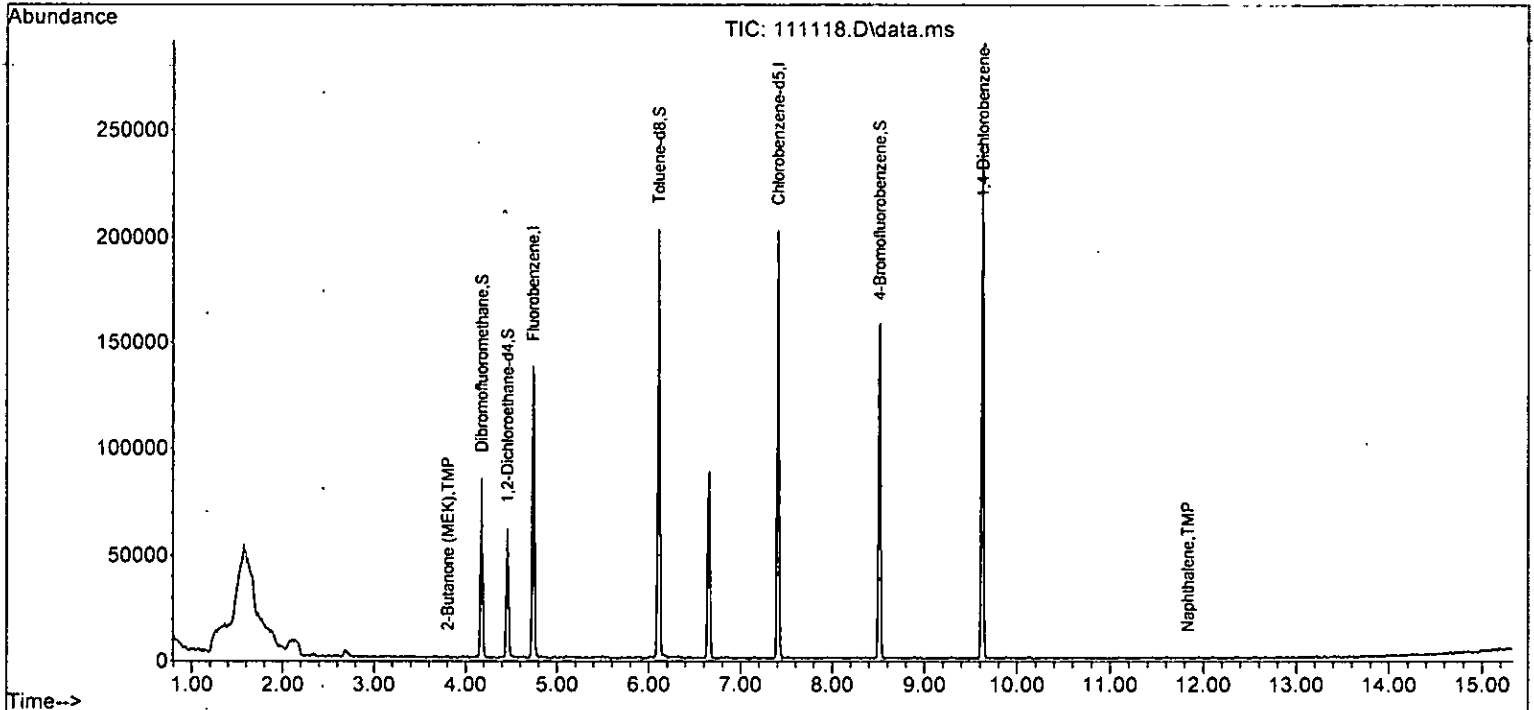
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

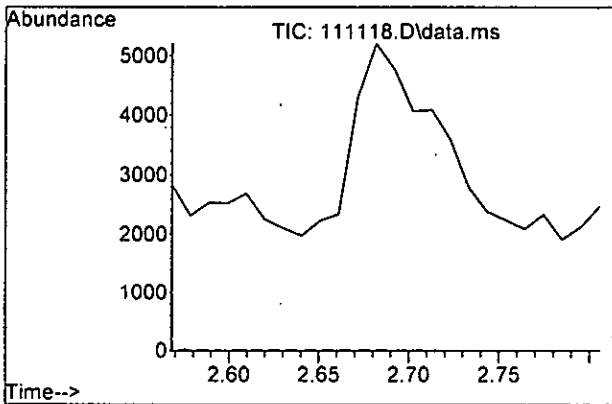
Internal Standards						
1) Fluorobenzene	4.734	96	126240	10.000	ppb	-0.01
39) Chlorobenzene-d5	7.405	117	103986	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.624	152	62959	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.175	113	37621	9.293	ppb	0.00
Spiked Amount	10.000	Range 50 - 150	Recovery	=	92.90%	
30) 1,2-Dichloroethane-d4	4.455	102	7069	9.010	ppb	0.00
Spiked Amount	10.000	Range 84 - 120	Recovery	=	90.10%	
35) Toluene-d8	6.105	98	109789	9.119	ppb	0.00
Spiked Amount	10.000	Range 73 - 128	Recovery	=	91.20%	
57) 4-Bromofluorobenzene	8.508	95	41466	9.558	ppb	0.00
Spiked Amount	10.000	Range 57 - 146	Recovery	=	95.60%	
Target Compounds						
14) Methylene chloride	2.682	84	2096	Below Cal		81
24) 2-Butanone (MEK)	3.805	43	613	0.131	ppb	94
26] 1,2-Dichloroethane (EDC)	4.515	62	100	Below Cal		97
40] Toluene	6.164	92	106	Below Cal		88
45] Tetrachloroethene	6.648	164	22232	5.412	ppb	95
51] m,p-Xylene	7.651	106	104	0.016	ppb #	74
75) Naphthalene	11.834	128	260	0.100	ppb	69

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS13\11-11-22\
Data File : 111118.D
Acq On : 11 Nov 2022 02:18 pm
Operator : WE
Sample : 211162-10 1/0.25
Misc : soil
ALS Vial : 15 Sample Multiplier: 1
InstName : GCMS13

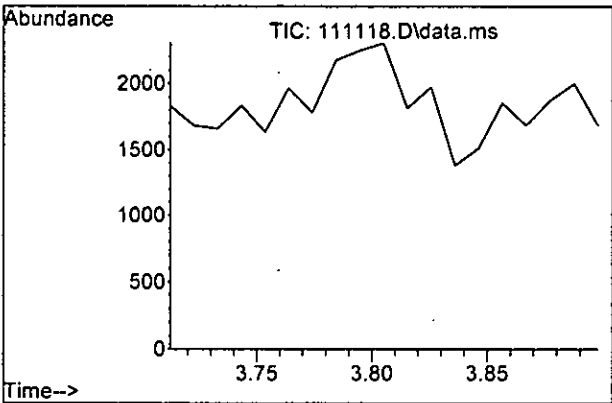
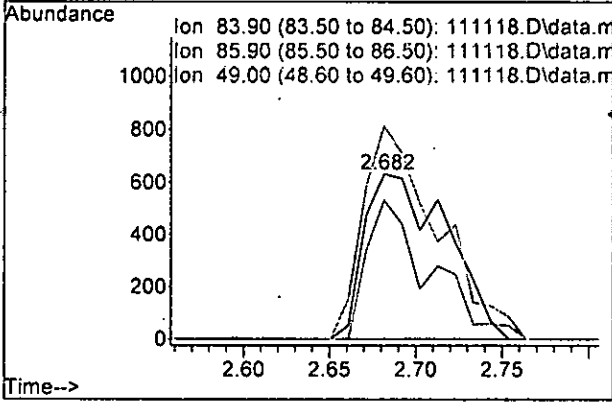
Quant Time: Nov 14 08:08:23 2022
Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
QLast Update : Mon Nov 07 15:16:10 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M





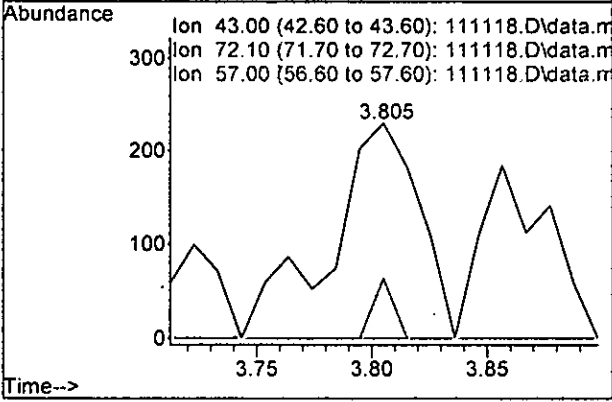
#14
 Methylene chloride
 Concen: Below Cal
 RT: 2.682 min Scan# 178
 Delta R.T. -0.000 min
 Lab File: 111118.D
 Acq: 11 Nov 2022 02:18 pm

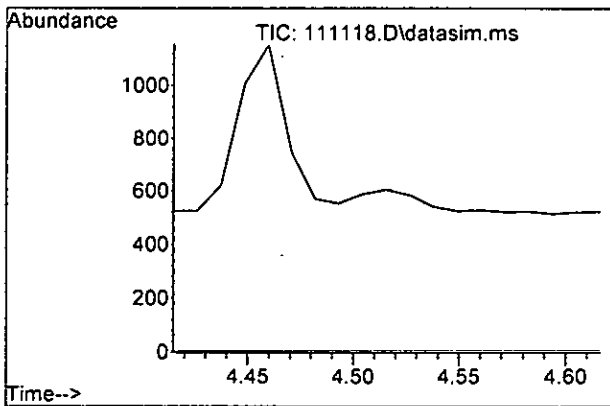
Tgt Ion	Ratio	Lower	Upper
84	100		
86	84.5	37.1	97.1
49	129.0	81.3	141.3



#24
 2-Butanone (MEK)
 Concen: 0.131 ppb
 RT: 3.805 min Scan# 283
 Delta R.T. 0.010 min
 Lab File: 111118.D
 Acq: 11 Nov 2022 02:18 pm

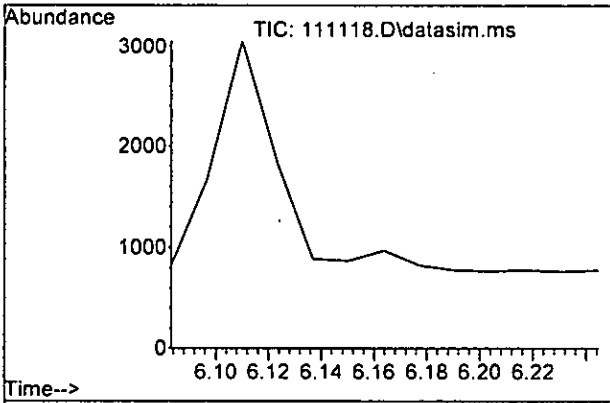
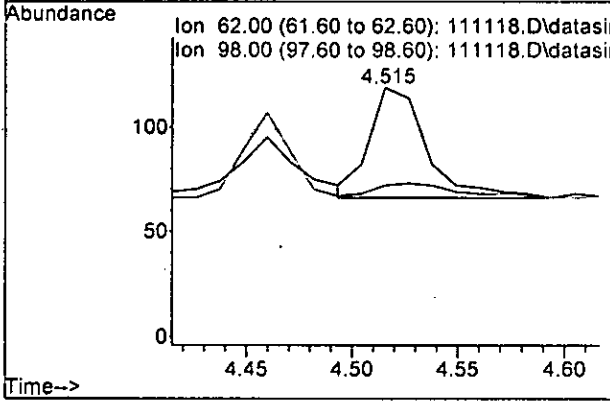
Tgt Ion	Ratio	Lower	Upper
43	100		
72	27.4	0.0	57.0
57	0.0	0.0	28.0





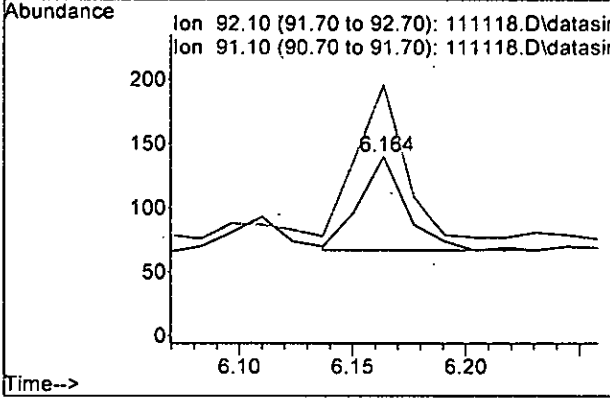
#26
 1,2-Dichloroethane (EDC)
 Concen: Below Cal
 RT: 4.515 min Scan# 358
 Delta R.T. -0.012 min
 Lab File: 111118.D
 Acq: 11 Nov 2022 02:18 pm

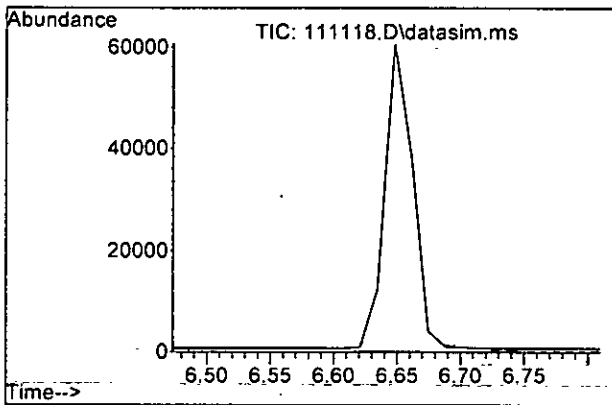
Tgt Ion	Resp	Lower	Upper
62	100		
98	11.3	0.0	40.1



#40
 Toluene
 Concen: Below Cal
 RT: 6.164 min Scan# 505
 Delta R.T. -0.000 min
 Lab File: 111118.D
 Acq: 11 Nov 2022 02:18 pm

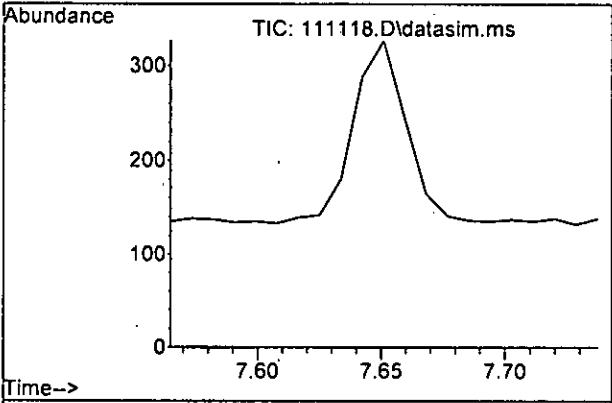
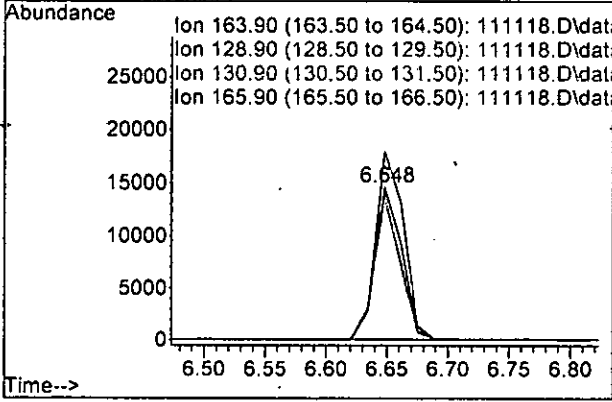
Tgt Ion	Resp	Lower	Upper
92	106		
91	161.6	148.5	208.5





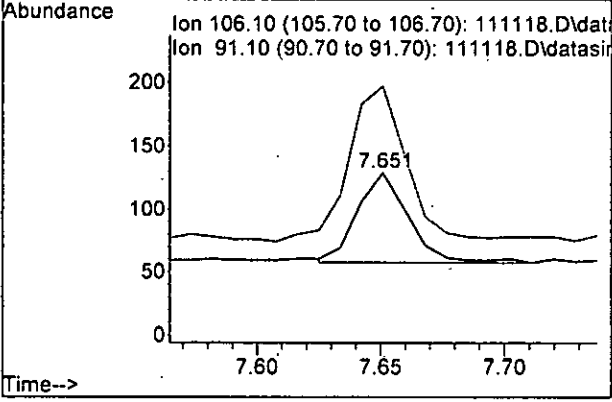
#45
 Tetrachloroethene
 Concen: 5.412 ppb
 RT: 6.648 min Scan# 541
 Delta R.T. -0.000 min
 Lab File: 111118.D
 Acq: 11 Nov 2022 02:18 pm

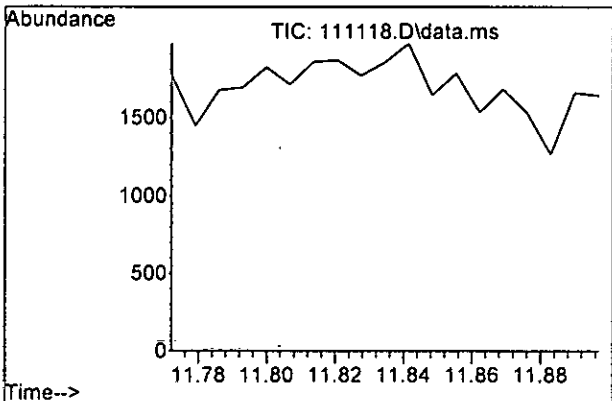
Tgt Ion	Ratio	Lower	Upper
164	100		
129	95.2	72.1	132.1
131	90.6	64.8	124.8
166	123.1	90.0	150.0



#51
 m,p-Xylene
 Concen: 0.016 ppb
 RT: 7.651 min Scan# 635
 Delta R.T. -0.000 min
 Lab File: 111118.D
 Acq: 11 Nov 2022 02:18 pm

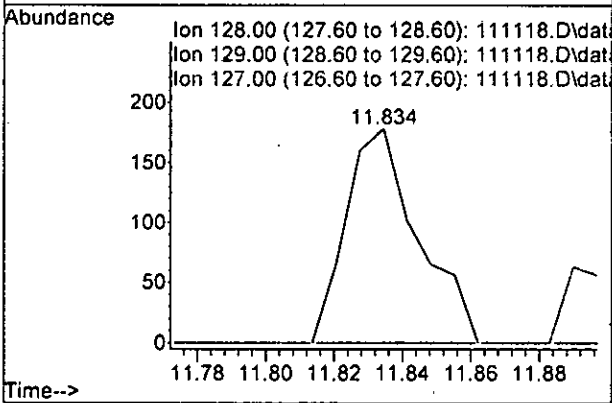
Tgt Ion	Ratio	Lower	Upper
106	100		
91	165.3	175.7	235.7#





#75
 Naphthalene
 Concen: 0.100 ppb
 RT: 11.834 min Scan# 1177
 Delta R.T. -0.001 min
 Lab File: 111118.D
 Acq: 11 Nov 2022 02:18 pm

Tgt Ion	Ratio	Lower	Upper
128	100		
129	0.0	0.0	40.8
127	0.0	0.0	43.1



Data Path : Y:\Proc_GCMS13\11-11-22\
 Data File : 111118.D
 Acq On : 11 Nov 2022 02:18 pm
 Operator : WE
 Sample : 211162-10 1/0.25
 Misc : soil
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 14 08:08:23 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) Fluorobenzene	4.734	96	126240	10.000	ppb	-0.01	
39) Chlorobenzene-d5	7.405	117	103986	10.000	ppb	0.00	
56) 1,4-Dichlorobenzene-d4	9.624	152	62959	10.000	ppb	0.00	
System Monitoring Compounds							
3) Dibromofluoromethane	4.175	113	37621	9.293	ppb	0.00	
Spiked Amount	10.000	Range 50 - 150	Recovery	=	92.90%		
30) 1,2-Dichloroethane-d4	4.455	102	7069	9.010	ppb	0.00	
Spiked Amount	10.000	Range 84 - 120	Recovery	=	90.10%		
35) Toluene-d8	6.105	98	109789	9.119	ppb	0.00	
Spiked Amount	10.000	Range 73 - 128	Recovery	=	91.20%		
57) 4-Bromofluorobenzene	8.508	95	41466	9.558	ppb	0.00	
Spiked Amount	10.000	Range 57 - 146	Recovery	=	95.60%		
Target Compounds							
2) Ethanol	2.341	45	325	No Calib			Qvalue
4) Dichlorodifluoromethane	1.117	85	98	N.D.			
5) Chloromethane	1.251	50	365	N.D.			
6) Vinyl chloride	0.000		0	N.D. d			
7) Bromomethane	0.000		0	N.D. d			
8) Chloroethane	0.000		0	N.D.			
9) Trichlorofluoromethane	0.000		0	N.D.			
10) 2-Propanol	2.341	45	325	No Calib	#		
11) Acetone	2.341	58	355	N.D.			
12) 1,1-Dichloroethene	0.000		0	N.D.			
13) Hexane	0.000		0	N.D.			
14) Methylene chloride	2.682	84	2096	Below Cal		81	
15) t-Butyl alcohol (TBA)	0.000		0	N.D.			
16) Methyl t-butyl ether (...)	0.000		0	N.D.			
17) trans-1,2-Dichloroethene	0.000		0	N.D.			
18) Diisopropyl ether (DIPE)	3.403	45	92	N.D.			
19) 1,1-Dichloroethane	0.000		0	N.D.			
20) Ethyl t-butyl ether (E...)	0.000		0	N.D.			
21) 2,2-Dichloropropane	3.764	77	268	N.D.			
22) cis-1,2-Dichloroethene	0.000		0	N.D.			
23) Chloroform	0.000		0	N.D.			
24) 2-Butanone (MEK)	3.805	43	613	0.131 ppb		94	
25) t-Amyl methyl ether (T...)	0.000		0	N.D.			
26] 1,2-Dichloroethane (EDC)	4.515	62	100	Below Cal		97	
27) 1,1,1-Trichloroethane	0.000		0	N.D.			
28) 1,1-Dichloropropene	0.000		0	N.D.			
29) Carbon tetrachloride	0.000		0	N.D.			
31) Benzene	0.000		0	N.D.			
32) Trichloroethene	0.000		0	N.D. d			
33) 1,2-Dichloropropane	5.171	63	70	N.D.			
34) Bromodichloromethane	0.000		0	N.D.			
36) Dibromomethane	0.000		0	N.D.			

Data Path : Y:\Proc_GCMS13\11-11-22\
 Data File : 111118.D
 Acq On : 11 Nov 2022 02:18 pm
 Operator : WE
 Sample : 211162-10 1/0.25
 Misc : soil
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS13

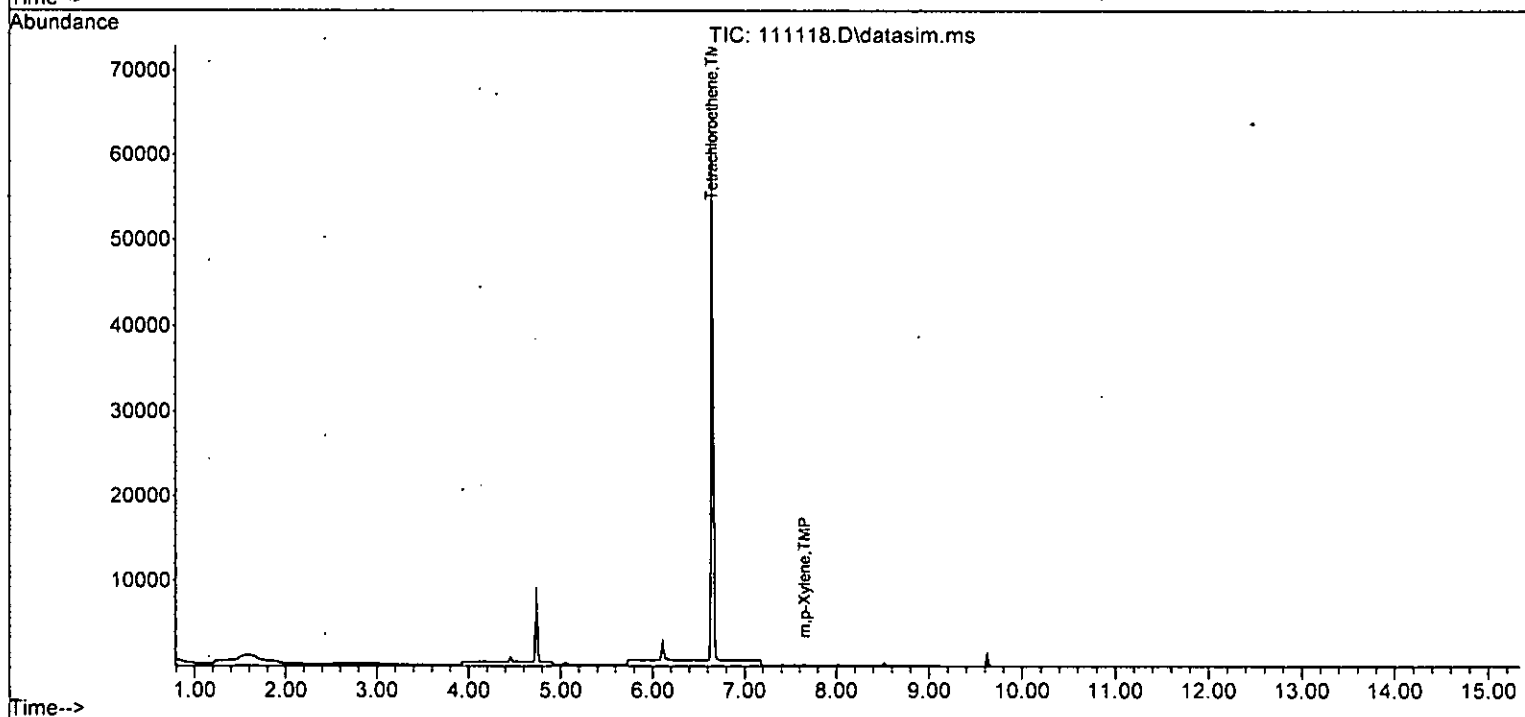
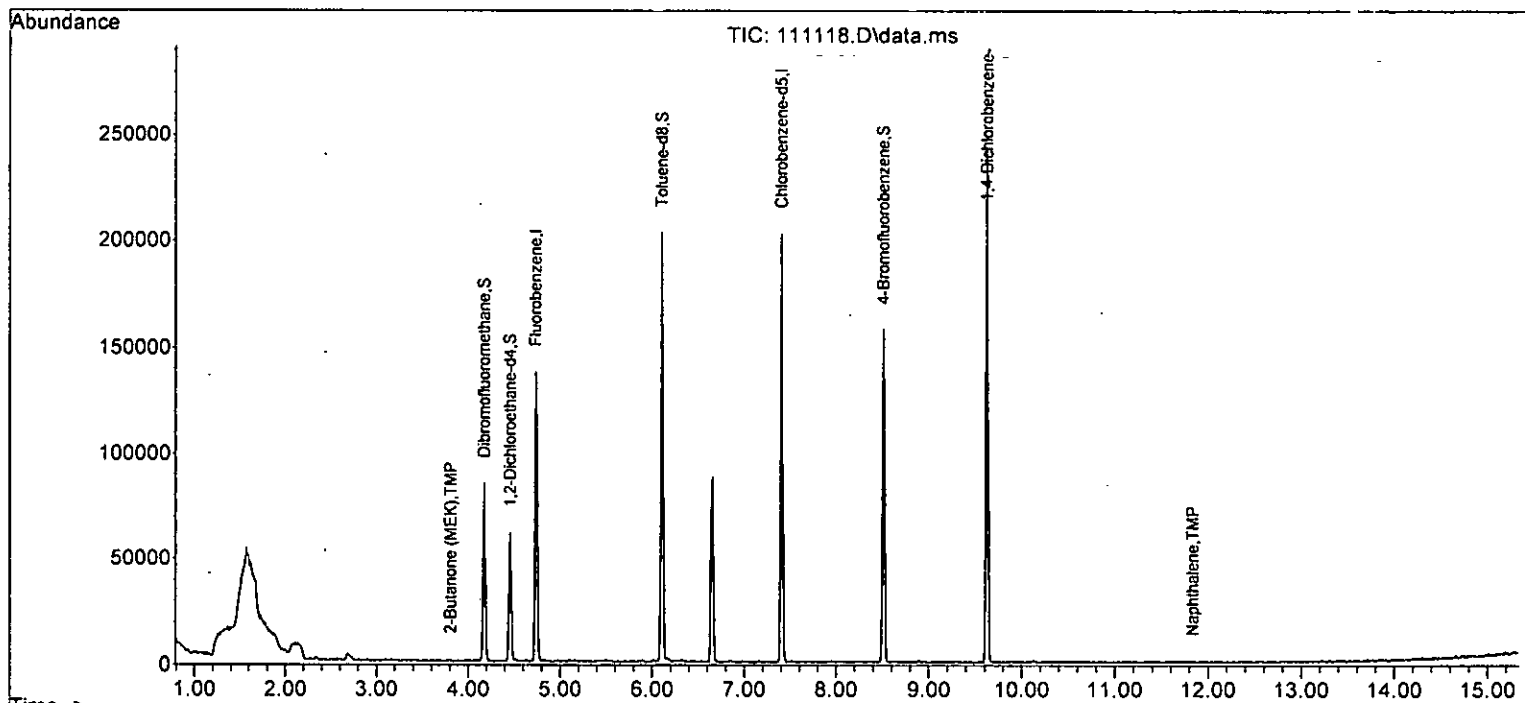
Quant Time: Nov 14 08:08:23 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.000		0		N.D.	
38) cis-1,3-Dichloropropene	0.000		0		N.D.	
40] Toluene	6.164	92	106		Below Cal	88
41) trans-1,3-Dichloropropene	6.266	75	172		N.D.	
42) 1,1,2-Trichloroethane	6.648	83	303		N.D.	
43) 2-Hexanone	6.791	43	88		N.D.	
44) 1,3-Dichloropropane	0.000		0		N.D.	
45] Tetrachloroethene	6.648	164	22232	5.412	ppb	95
46) Dibromochloromethane	0.000		0		N.D.	
47) 1,2-Dibromoethane (EDB)	0.000		0		N.D.	
48) Chlorobenzene	0.000		0		N.D.	
49) Ethylbenzene	7.539	91	99		N.D.	
50) 1,1,1,2-Tetrachloroethane	0.000		0		N.D.	
51] m,p-Xylene	7.651	106	104	0.016	ppb #	74
52) o-Xylene	8.021	106	42		N.D.	
53) Styrene	8.034	104	57		N.D.	
54) Isopropylbenzene	8.508	105	89		N.D.	
55) Bromoform	0.000		0		N.D.	
58) n-Propylbenzene	8.766	91	197		N.D.	
59) Bromobenzene	0.000		0		N.D.	
60) 1,3,5-Trimethylbenzene	8.939	105	38		N.D.	
61) 1,1,2,2-Tetrachloroethane	0.000		0		N.D.	
62) 1,2,3-Trichloropropane	0.000		0		N.D. d	
63) 2-Chlorotoluene	8.766	91	197		N.D.	
64) 4-Chlorotoluene	8.939	91	33		N.D.	
65) tert-Butylbenzene	0.000		0		N.D.	
66) 1,2,4-Trimethylbenzene	9.291	105	169		N.D.	
67) sec-Butylbenzene	9.464	105	23		N.D.	
68) p-Isopropyltoluene	9.631	119	58		N.D.	
69) 1,3-Dichlorobenzene	0.000		0		N.D.	
70) 1,4-Dichlorobenzene	0.000		0		N.D.	
71) 1,2-Dichlorobenzene	0.000		0		N.D.	
72) 1,2-Dibromo-3-chloropr...	0.000		0		N.D.	
73) 1,2,4-Trichlorobenzene	0.000		0		N.D.	
74) Hexachlorobutadiene	0.000		0		N.D.	
75) Naphthalene	11.834	128	260	0.100	ppb	69
76) 1,2,3-Trichlorobenzene	0.000		0		N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS13\11-11-22\
 Data File : 111118.D
 Acq On : 11 Nov 2022 02:18 pm
 Operator : WE
 Sample : 211162-10 1/0.25
 Misc : soil
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS13

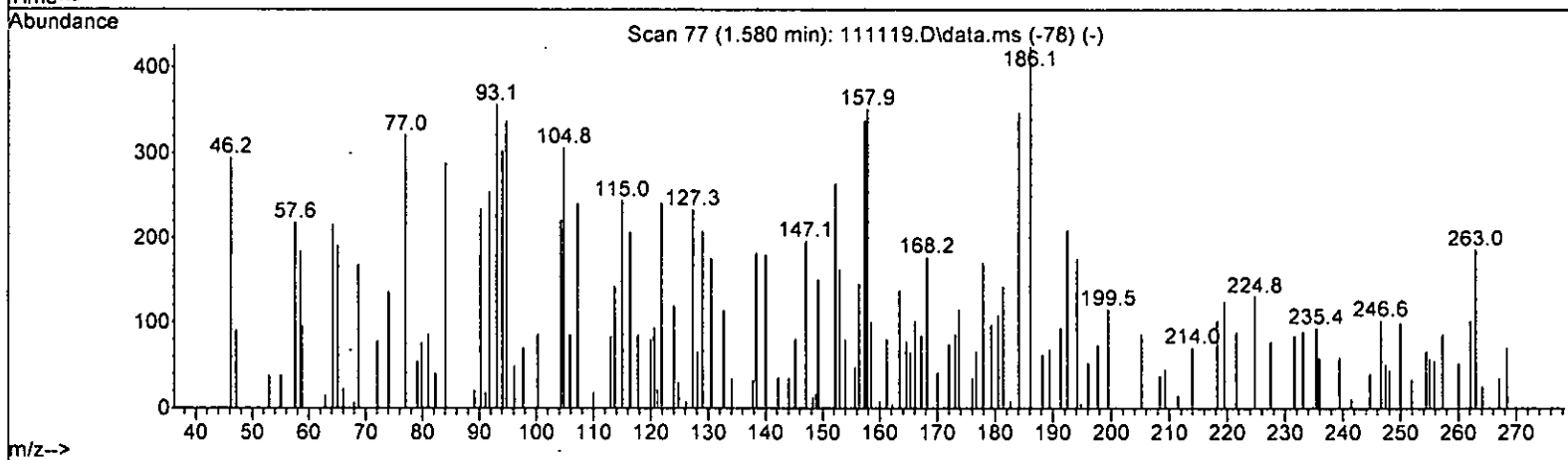
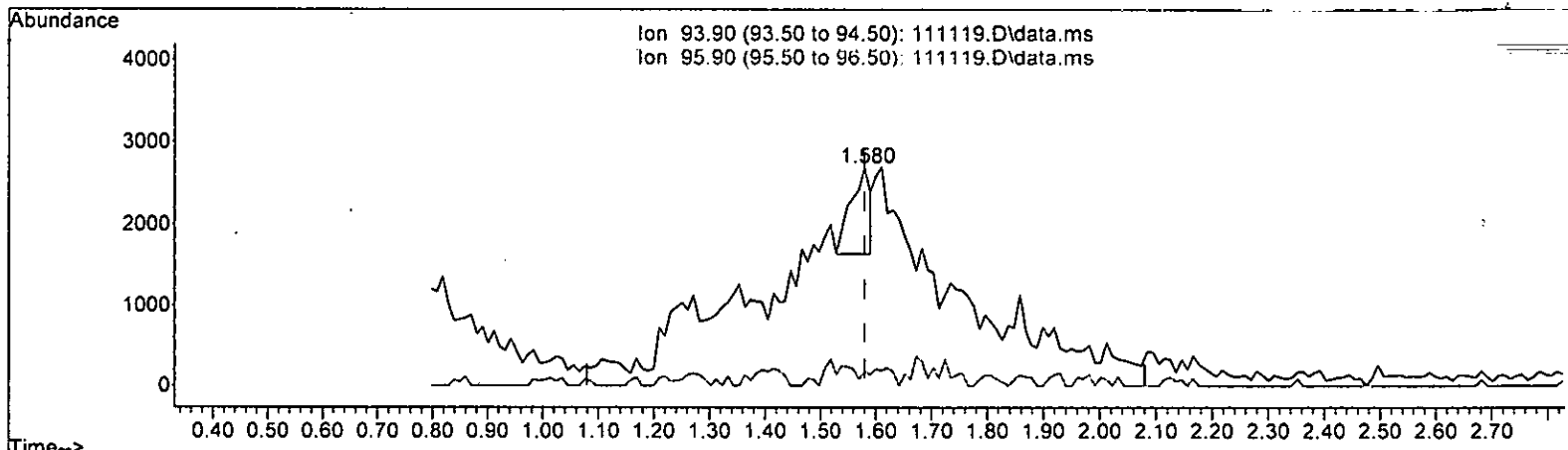
Quant Time: Nov 14 08:08:23 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-11-22\
 Data File : 111119.D
 Acq On : 11 Nov 2022 02:41 pm
 Operator : WE
 Sample : 211162-11 1/0.25
 Misc : soil
 ALS Vial : 16 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 14 08:08:27 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 111119.D\data.ms

(7) Bromomethane (TMP)

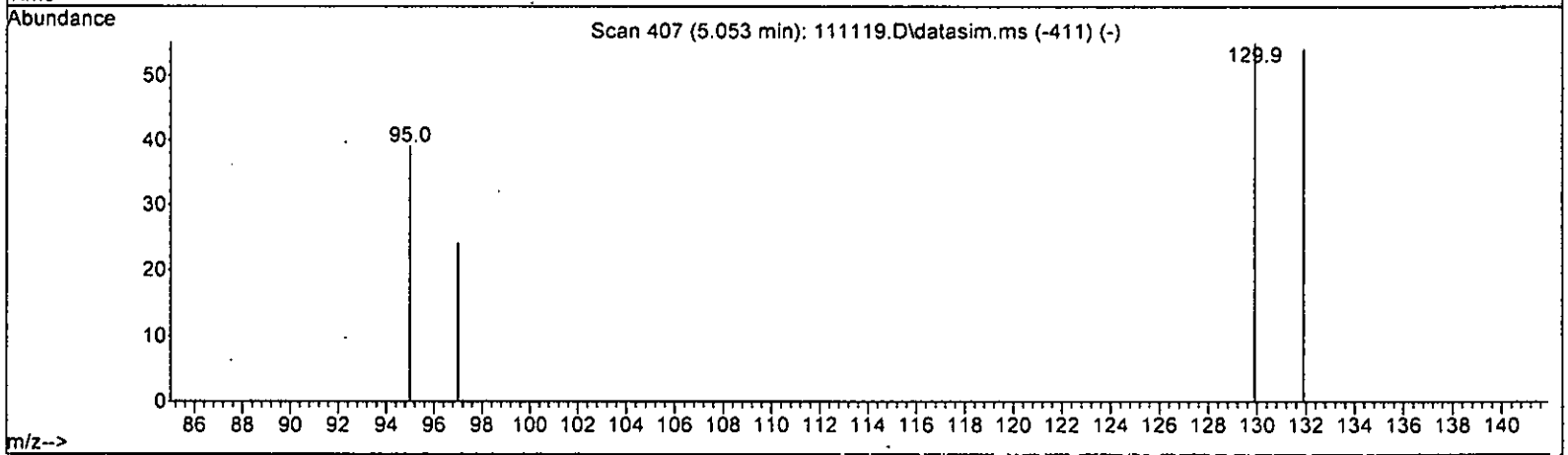
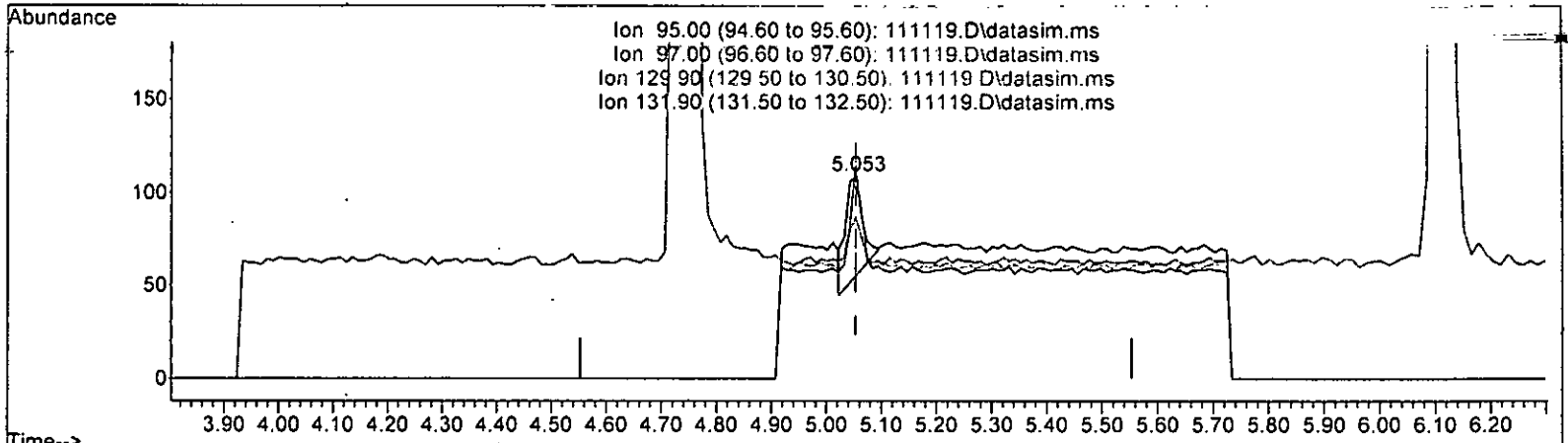
1.580min (+ 0.000) 0.527 ppb

response	2572	
Ion	Exp%	Act%
93.90	100.00	100.00
95.90	93.50	4.65#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-11-22\
 Data File : 111119.D
 Acq On : 11 Nov 2022 02:41 pm
 Operator : WE
 Sample : 211162-11 1/0.25
 Misc : soil
 ALS Vial : 16 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 14 08:08:27 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 111119.D\data.ms

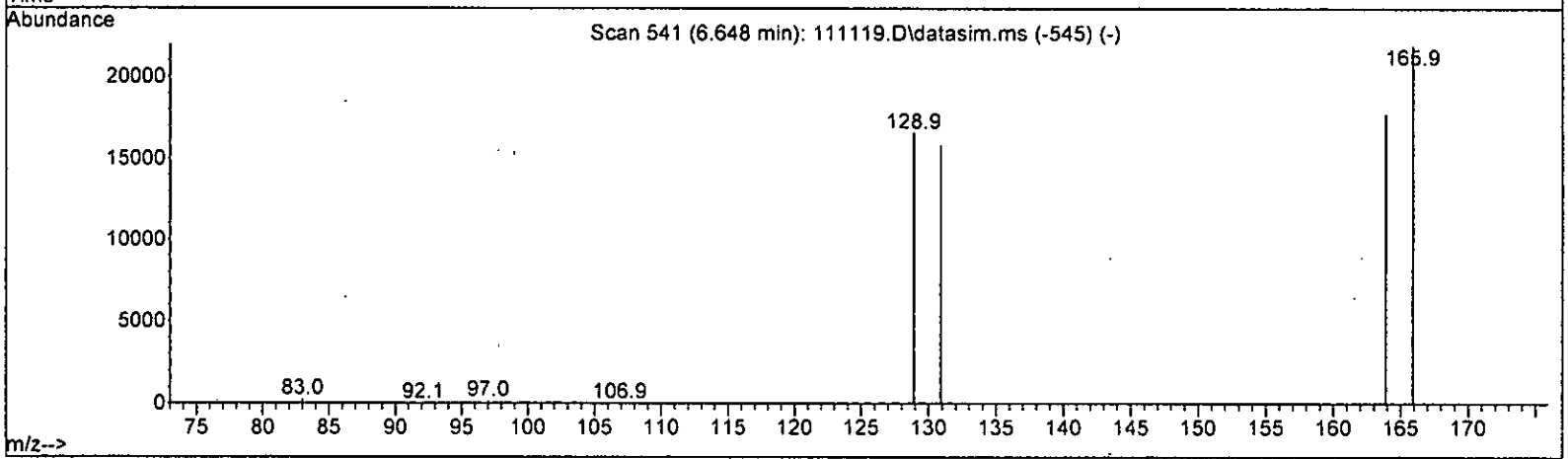
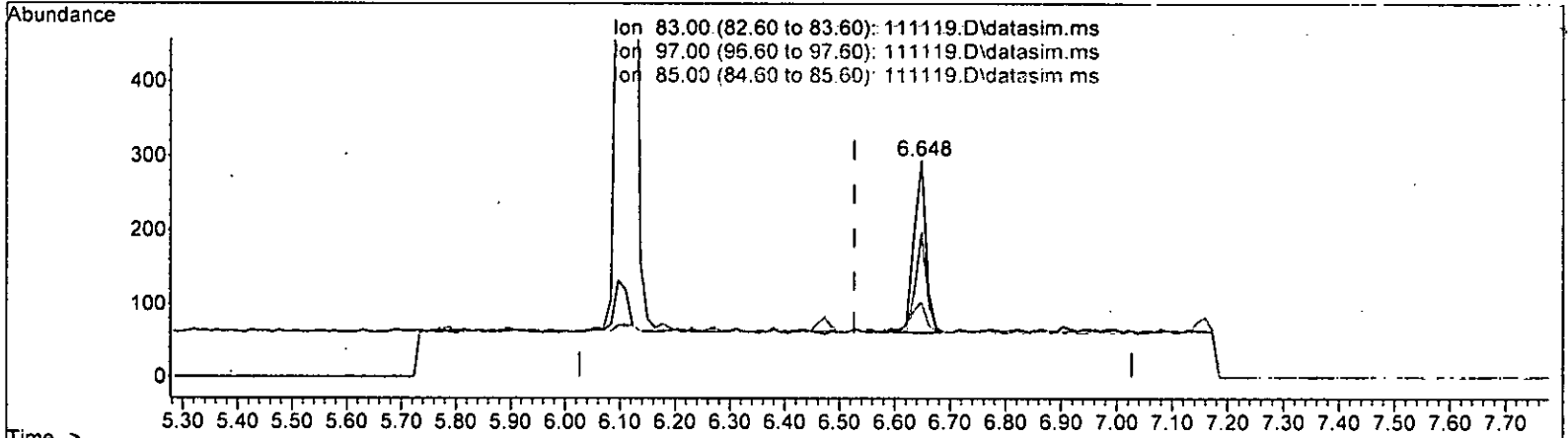
(32) Trichloroethene (TMP)
 5.053min (-0.000) 0.029 ppb

response	122	
Ion	Exp%	Act%
95.00	100.00	100.00
97.00	64.60	60.00
129.90	103.40	145.00#
131.90	95.80	142.50#

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-11-22\
 Data File : 111119.D
 Acq On : 11 Nov 2022 02:41 pm
 Operator : WE
 Sample : 211162-11 1/0.25
 Misc : soil
 ALS Vial : 16 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 14 08:08:27 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 111119.D\data.ms

(42) 1,1,2-Trichloroethane (TMP)

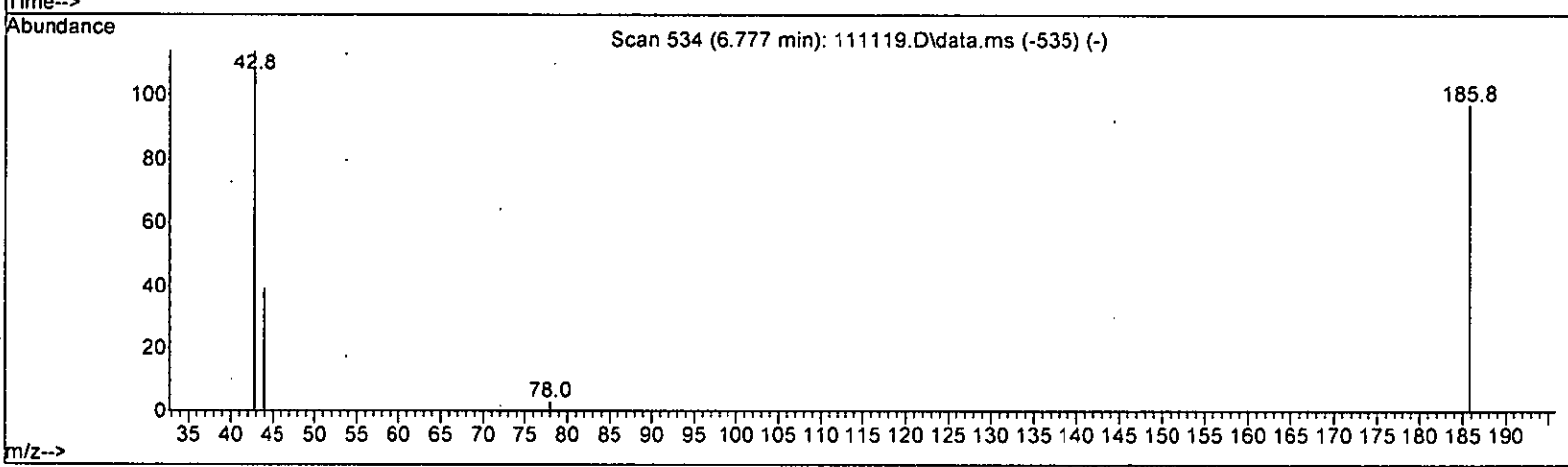
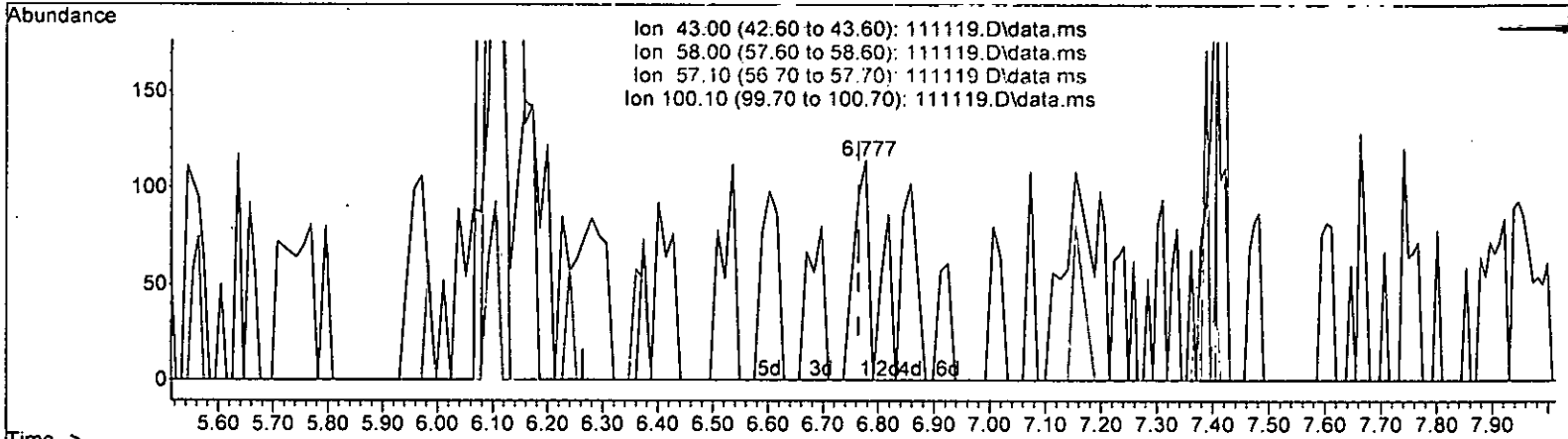
6.648min (+ 0.121) 0.125 ppb

response	365
Ion	Expt Act%
83.00	100.00 100.00
97.00	118.00 58.80#
85.00	65.30 18.03#
0.00	0.00 0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-11-22\
 Data File : 111119.D
 Acq On : 11 Nov 2022 02:41 pm
 Operator : WE
 Sample : 211162-11 1/0.25
 Misc : soil
 ALS Vial : 16 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 14 08:08:27 2022
 Quant Method: Y:\Methods\Inst13\VB110522ms13LL.M
~~Quant Title: 8260-Purge-&Trap-Volatiles-Dual-Acquisition.LL~~
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth: VM080322.M



TIC: 111119.D\data.ms

(43) 2-Hexanone (TMP)			
6.777min (+ 0.013) 0.108 ppb			
response	209		
Ion	Exp%	Act%	
43.00	100.00	100.00	
58.00	51.50	0.00#	
57.10	16.30	0.00	
100.10	10.20	0.00	

Data Path : Y:\Proc_GCMS13\11-11-22\
 Data File : 111119.D
 Acq On : 11 Nov 2022 02:41 pm
 Operator : WE
 Sample : 211162-11 1/0.25
 Misc : soil
 ALS Vial : 16 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 14 08:08:27 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

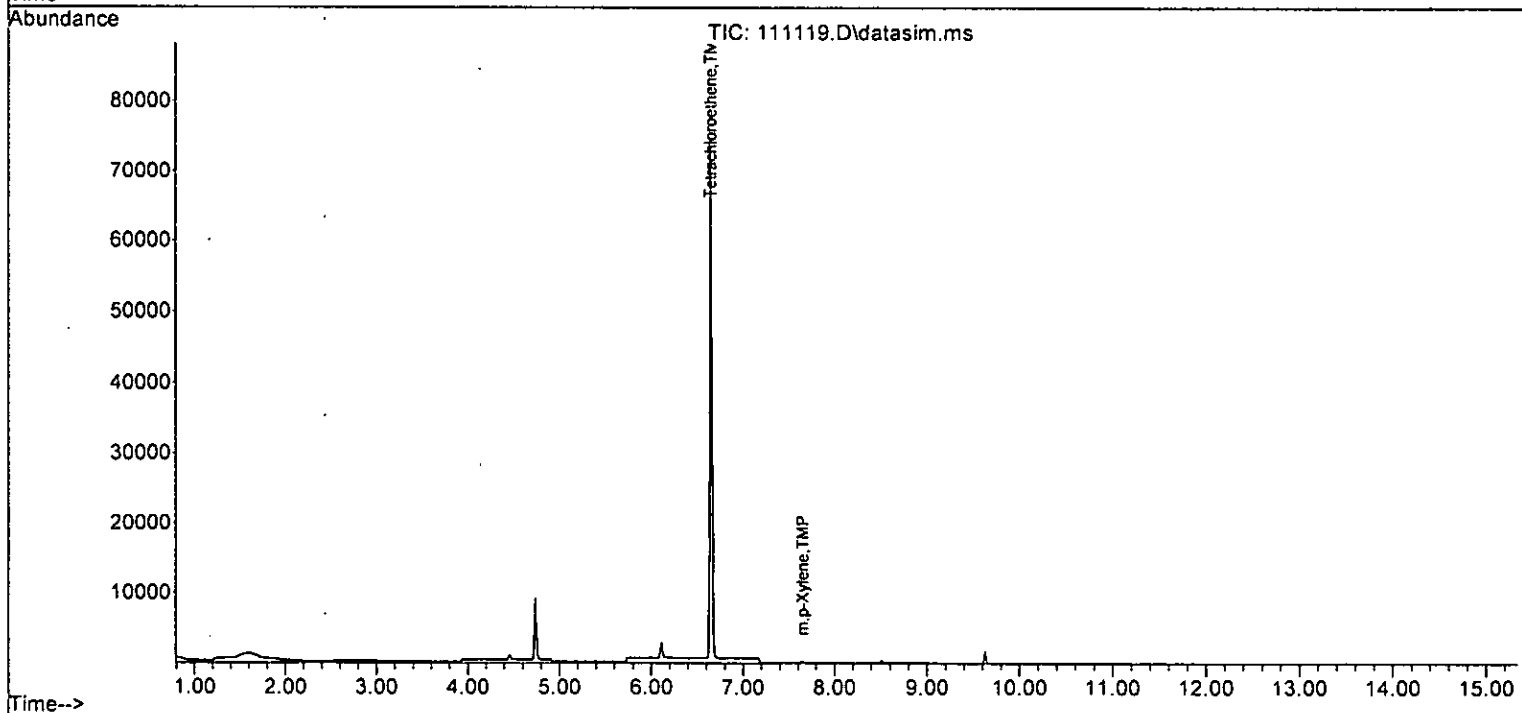
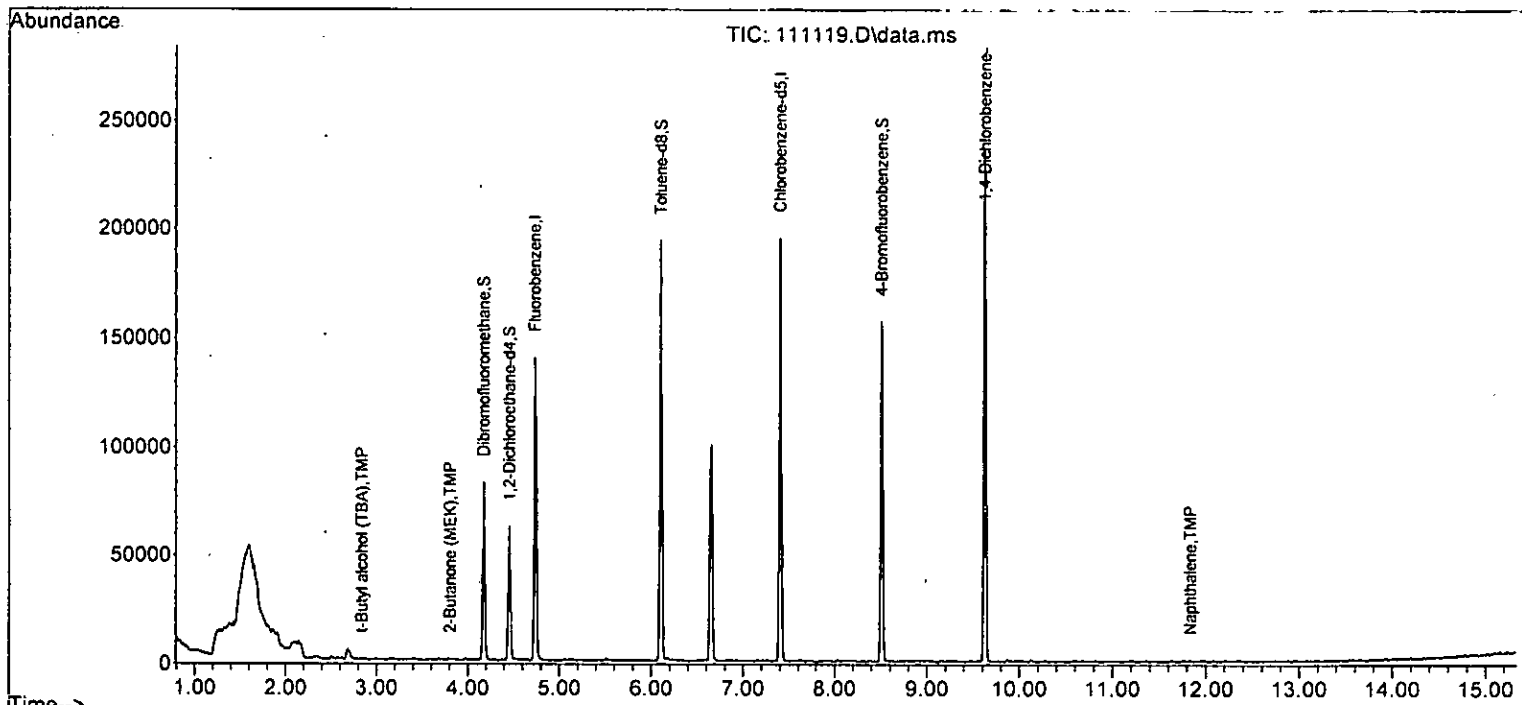
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

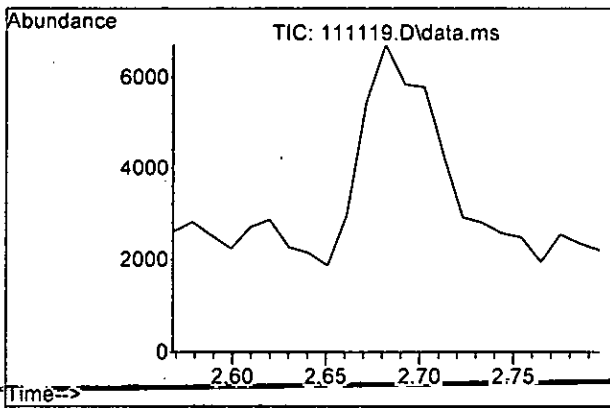
Internal Standards						
1) Fluorobenzene	4.734	96	112871	10.000	ppb	-0.01
39) Chlorobenzene-d5	7.405	117	101836	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.624	152	60669	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.175	113	36784	10.162	ppb	0.00
Spiked Amount	10.000	Range 50 - 150	Recovery	=	101.60%	
30) 1,2-Dichloroethane-d4	4.455	102	7221	10.294	ppb	0.00
Spiked Amount	10.000	Range 84 - 120	Recovery	=	102.90%	
35) Toluene-d8	6.105	98	106515	9.895	ppb	0.00
Spiked Amount	10.000	Range 73 - 128	Recovery	=	98.90%	
57) 4-Bromofluorobenzene	8.508	95	40767	9.752	ppb	0.00
Spiked Amount	10.000	Range 57 - 146	Recovery	=	97.50%	
Target Compounds						
11) Acetone	2.331	58	270	Below Cal	#	1
14) Methylene chloride	2.682	84	2774	Below Cal		98
15) t-Butyl alcohol (TBA)	2.837	59	120	0.443	ppb	53
21) 2,2-Dichloropropane	3.805	77	101	Below Cal		48
24) 2-Butanone (MEK)	3.805	43	664	0.213	ppb	55
26] 1,2-Dichloroethane (EDC)	4.527	62	81	Below Cal		93
40] Toluene	6.164	92	94	Below Cal		91
45] Tetrachloroethene	6.648	164	26685	6.635	ppb	94
46) Dibromochloromethane	6.885	129	45	Below Cal	#	11
51] m,p-Xylene	7.651	106	98	0.016	ppb	86
75) Naphthalene	11.835	128	411	0.115	ppb	69

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS13\11-11-22\
Data File : 111119.D
Acq On : 11 Nov 2022 02:41 pm
Operator : WE
Sample : 211162-11 1/0.25
Misc : soil
ALS Vial : 16 Sample Multiplier: 1
InstName : GCMS13

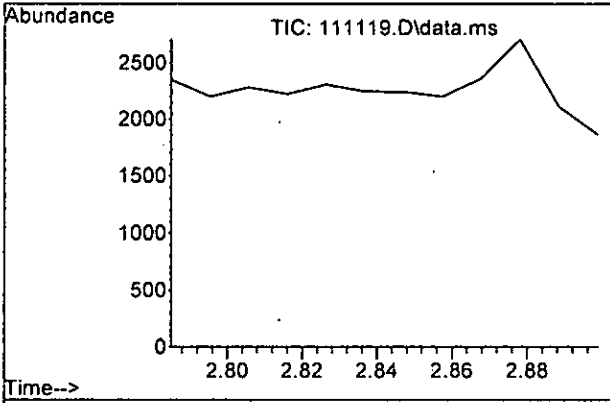
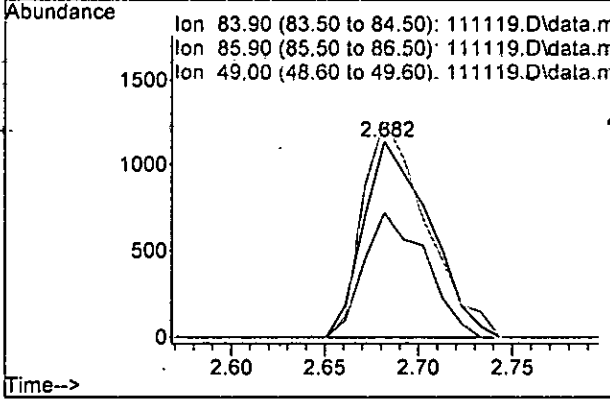
Quant Time: Nov 14 08:08:27 2022
Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
Quant Title : 8260-Purge-&-Trap_Volatiles_Dual Acquisition LL
QLast Update : Mon Nov 07 15:16:10 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M





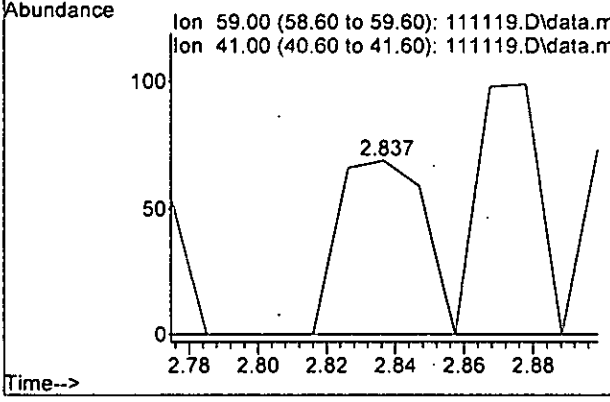
#14
 Methylene chloride
 Concen: Below Cal
 RT: 2.682 min Scan# 178
 Delta R.T. -0.000 min
 Lab File: 111119.D
 Acq: 11 Nov 2022 02:41 pm

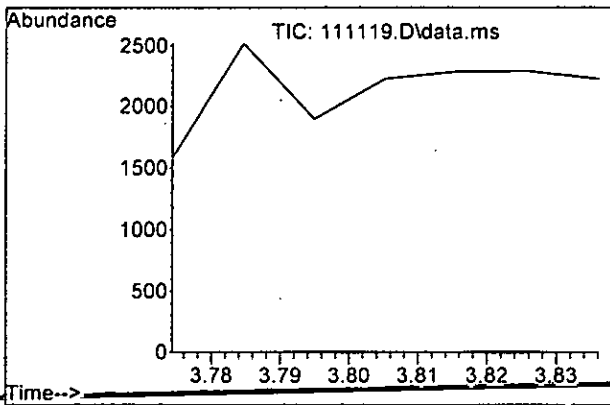
Tgt Ion	Resp	Lower	Upper
84	100		
86	63.3	37.1	97.1
49	110.6	81.3	141.3



#15
 t-Butyl alcohol (TBA)
 Concen: 0.443 ppb
 RT: 2.837 min Scan# 193
 Delta R.T. 0.021 min
 Lab File: 111119.D
 Acq: 11 Nov 2022 02:41 pm

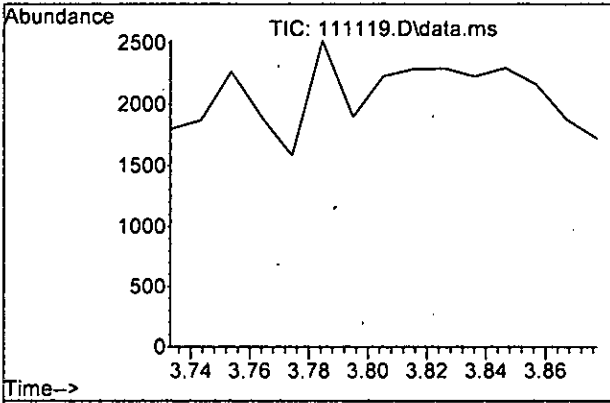
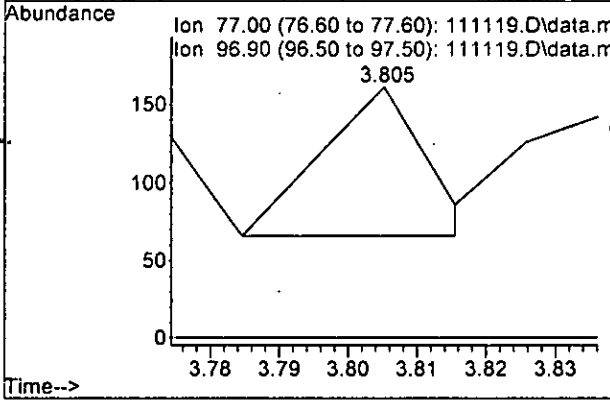
Tgt Ion	Resp	Lower	Upper
59	100		
41	0.0	0.0	52.9





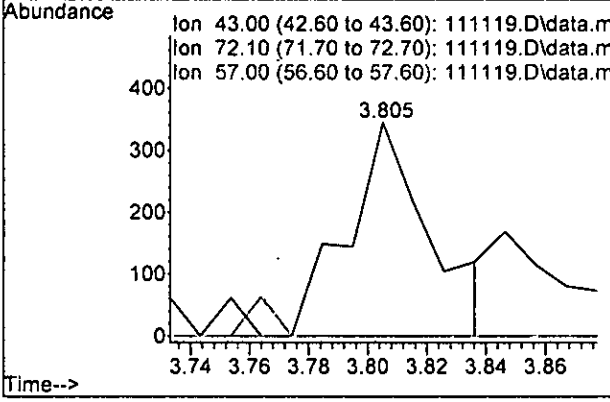
#21
 2,2-Dichloropropane
 Concen: Below Cal
 RT: 3.805 min Scan# 283
 Delta R.T. 0.030 min
 Lab File: 111119.D
 Acq: 11 Nov 2022 02:41 pm

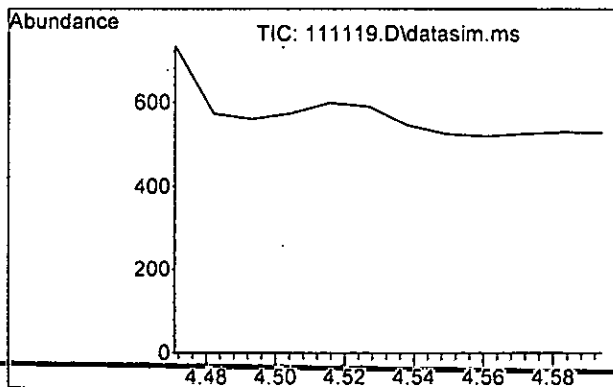
Tgt Ion	Resp	Lower	Upper
77	101		
77	100		
97	0.0	0.0	56.8



#24
 2-Butanone (MEK)
 Concen: 0.213 ppb
 RT: 3.805 min Scan# 283
 Delta R.T. 0.010 min
 Lab File: 111119.D
 Acq: 11 Nov 2022 02:41 pm

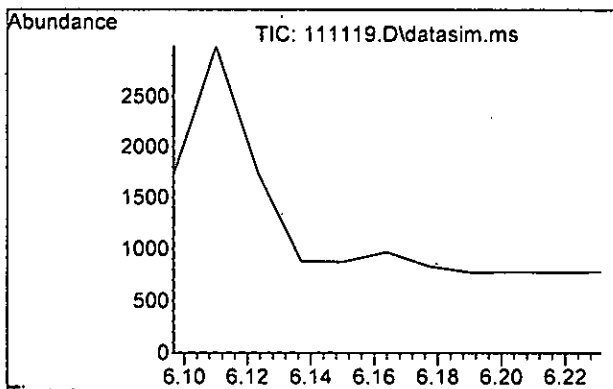
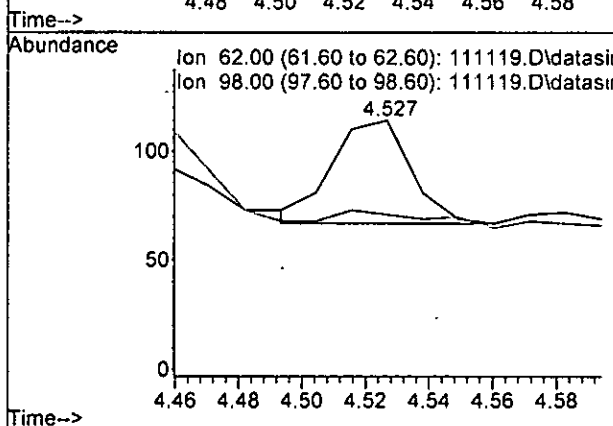
Tgt Ion	Resp	Lower	Upper
43	664		
43	100		
72	0.0	0.0	57.0
57	0.0	0.0	28.0





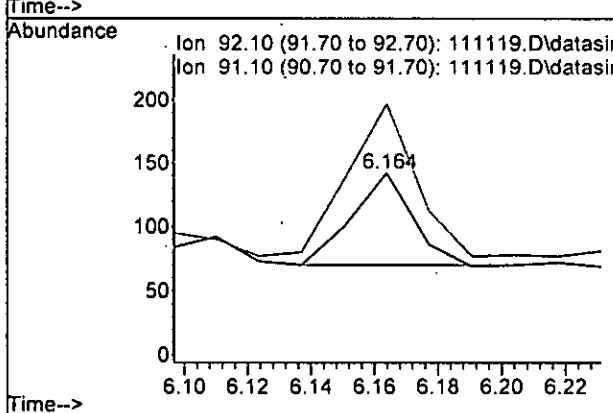
#26
 1,2-Dichloroethane (EDC)
 Concen: Below Cal
 RT: 4.527 min Scan# 359
 Delta R.T. -0.000 min
 Lab File: 111119.D
 Acq: 11 Nov 2022 02:41 pm

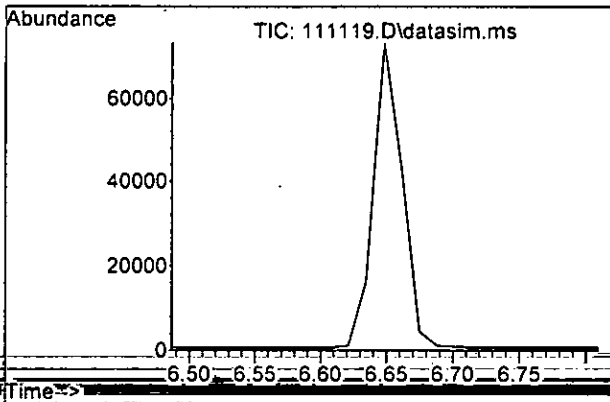
Tgt Ion	Ratio	Lower	Upper
62	100		
98	12.8	0.0	40.1



#40
 Toluene
 Concen: Below Cal
 RT: 6.164 min Scan# 505
 Delta R.T. -0.000 min
 Lab File: 111119.D
 Acq: 11 Nov 2022 02:41 pm

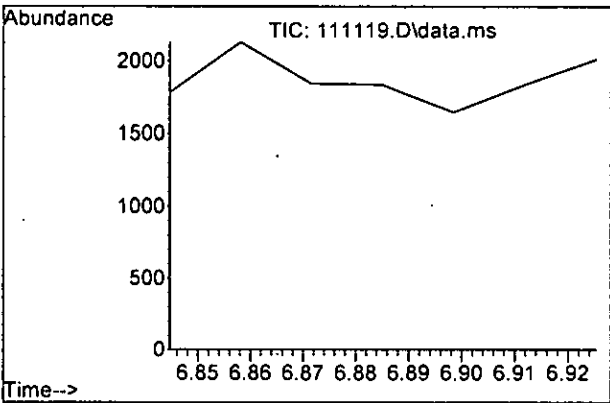
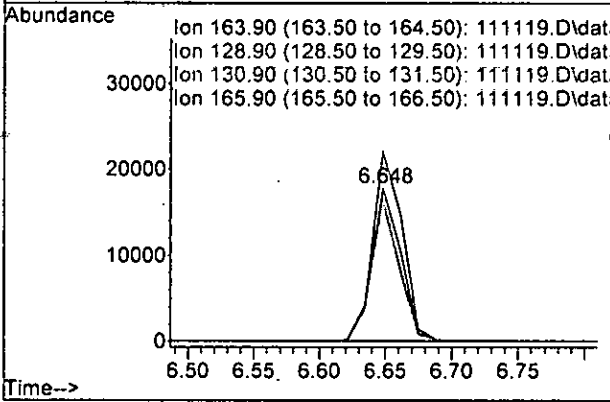
Tgt Ion	Ratio	Lower	Upper
92	100		
91	165.3	148.5	208.5





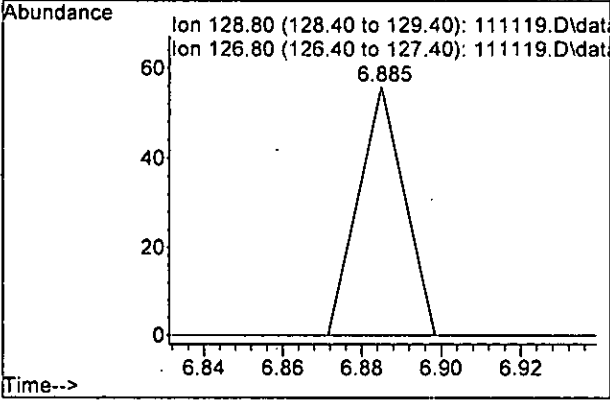
#45
 Tetrachloroethene
 Concen: 6.635 ppb
 RT: 6.648 min Scan# 541
 Delta R.T. -0.000 min
 Lab File: 111119.D
 Acq: 11 Nov 2022 02:41 pm

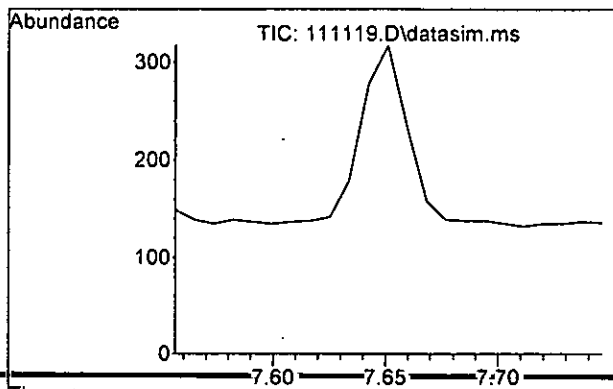
Tgt Ion	Resp	Lower	Upper
164	100		
129	93.6	72.1	132.1
131	89.2	64.8	124.8
166	123.8	90.0	150.0



#46
 Dibromochloromethane
 Concen: Below Cal
 RT: 6.885 min Scan# 542
 Delta R.T. -0.000 min
 Lab File: 111119.D
 Acq: 11 Nov 2022 02:41 pm

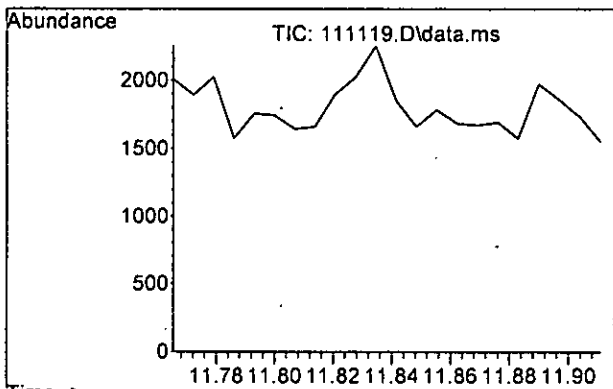
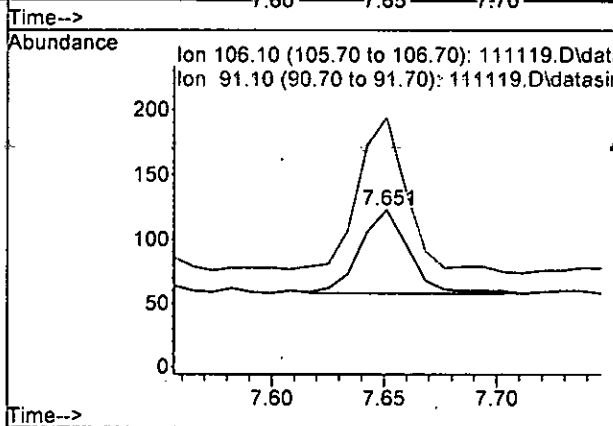
Tgt Ion	Resp	Lower	Upper
129	100		
127	0.0	46.8	106.8#





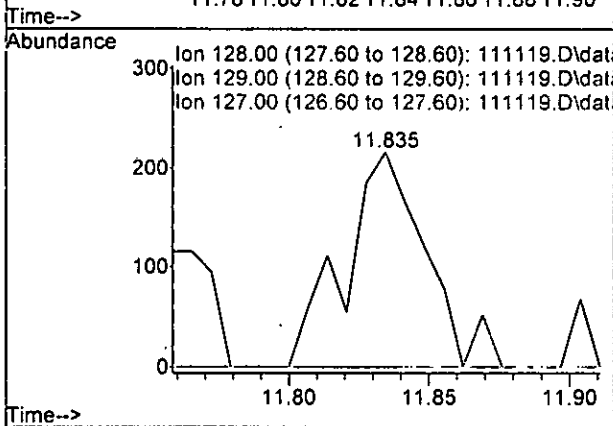
#51
 m,p-Xylene
 Concen: 0.016 ppb
 RT: 7.651 min Scan# 635
 Delta R.T. 0.000 min
 Lab File: 111119.D
 Acq: 11 Nov 2022 02:41 pm

Tgt Ion	Ratio	Lower	Upper
106	100		
91	184.6	175.7	235.7



#75
 Naphthalene
 Concen: 0.115 ppb
 RT: 11.835 min Scan# 1177
 Delta R.T. -0.000 min
 Lab File: 111119.D
 Acq: 11 Nov 2022 02:41 pm

Tgt Ion	Ratio	Lower	Upper
128	100		
129	0.0	0.0	40.8
127	0.0	0.0	43.1



Data Path : Y:\Proc_GCMS13\11-11-22\
 Data File : 111119.D
 Acq On : 11 Nov 2022 02:41 pm
 Operator : WE
 Sample : 211162-11 1/0.25
 Misc : soil
 ALS Vial : 16 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 14 08:08:27 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
~~Quant Title : 8260-Purge-&Trap-Volatiles-Dual-Acquisition-LL~~
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) Fluorobenzene	4.734	96	112871	10.000	ppb	-0.01	
39) Chlorobenzene-d5	7.405	117	101836	10.000	ppb	0.00	
56) 1,4-Dichlorobenzene-d4	9.624	152	60669	10.000	ppb	0.00	
System Monitoring Compounds							
3) Dibromofluoromethane	4.175	113	36784	10.162	ppb	0.00	
Spiked Amount	10.000	Range 50 - 150	Recovery =	101.60%			
30) 1,2-Dichloroethane-d4	4.455	102	7221	10.294	ppb	0.00	
Spiked Amount	10.000	Range 84 - 120	Recovery =	102.90%			
35) Toluene-d8	6.105	98	106515	9.895	ppb	0.00	
Spiked Amount	10.000	Range 73 - 128	Recovery =	98.90%			
57) 4-Bromofluorobenzene	8.508	95	40767	9.752	ppb	0.00	
Spiked Amount	10.000	Range 57 - 146	Recovery =	97.50%			
Target Compounds							
2) Ethanol	2.331	45	503	No Calib			Qvalue
4) Dichlorodifluoromethane	0.000		0	N.D.			
5) Chloromethane	1.240	50	465	N.D.			
6) Vinyl chloride	0.000		0	N.D.			
7) Bromomethane	0.000		0	N.D. d			
8) Chloroethane	0.000		0	N.D.			
9) Trichlorofluoromethane	1.837	101	77	N.D.			
10) 2-Propanol	2.331	45	503	No Calib	#		
11) Acetone	2.331	58	270	Below Cal	#	1	
12) 1,1-Dichloroethene	0.000		0	N.D.			
13) Hexane	3.156	57	240	N.D.			
14) Methylene chloride	2.682	84	2774	Below Cal		98	
15) t-Butyl alcohol (TBA)	2.837	59	120	0.443	ppb	53	
16) Methyl t-butyl ether (...)	0.000		0	N.D.			
17) trans-1,2-Dichloroethene	0.000		0	N.D.			
18) Diisopropyl ether (DIPE)	3.331	45	45	N.D.			
19) 1,1-Dichloroethane	0.000		0	N.D.			
20) Ethyl t-butyl ether (E...)	0.000		0	N.D.			
21) 2,2-Dichloropropane	3.805	77	101	Below Cal		48	
22) cis-1,2-Dichloroethene	0.000		0	N.D.			
23) Chloroform	0.000		0	N.D.			
24) 2-Butanone (MEK)	3.805	43	664	0.213	ppb	55	
25) t-Amyl methyl ether (T...)	0.000		0	N.D.			
26] 1,2-Dichloroethane (EDC)	4.527	62	81	Below Cal		93	
27) 1,1,1-Trichloroethane	0.000		0	N.D.			
28) 1,1-Dichloropropene	0.000		0	N.D.			
29) Carbon tetrachloride	4.365	117	34	N.D.			
31) Benzene	0.000		0	N.D.			
32) Trichloroethene	0.000		0	N.D. d			
33) 1,2-Dichloropropane	5.244	63	93	N.D.			
34) Bromodichloromethane	0.000		0	N.D.			
36) Dibromomethane	0.000		0	N.D.			

Data Path : Y:\Proc_GCMS13\11-11-22\
 Data File : 111119.D
 Acq On : 11 Nov 2022 02:41 pm
 Operator : WE
 Sample : 211162-11 1/0.25
 Misc : soil
 ALS Vial : 16 Sample Multiplier: 1
 InstName : GCMS13

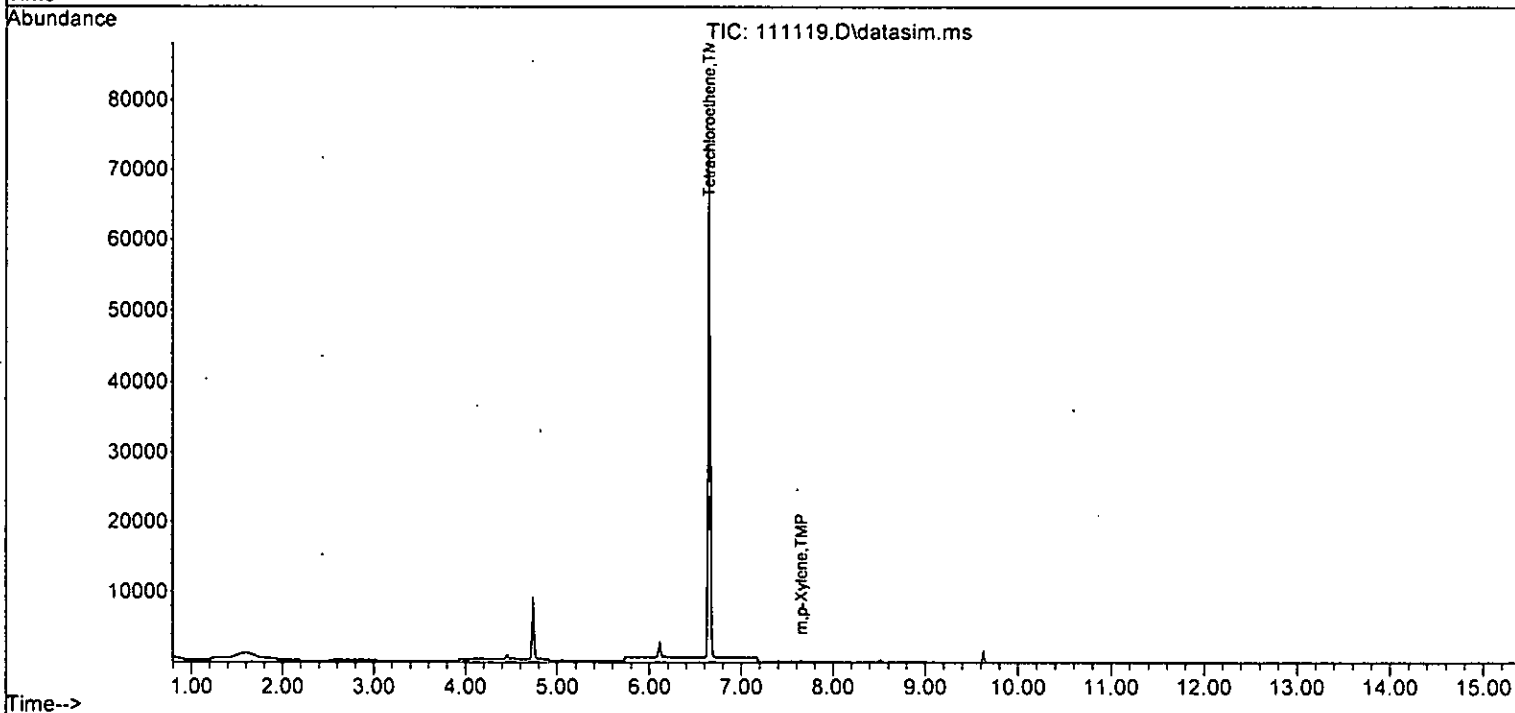
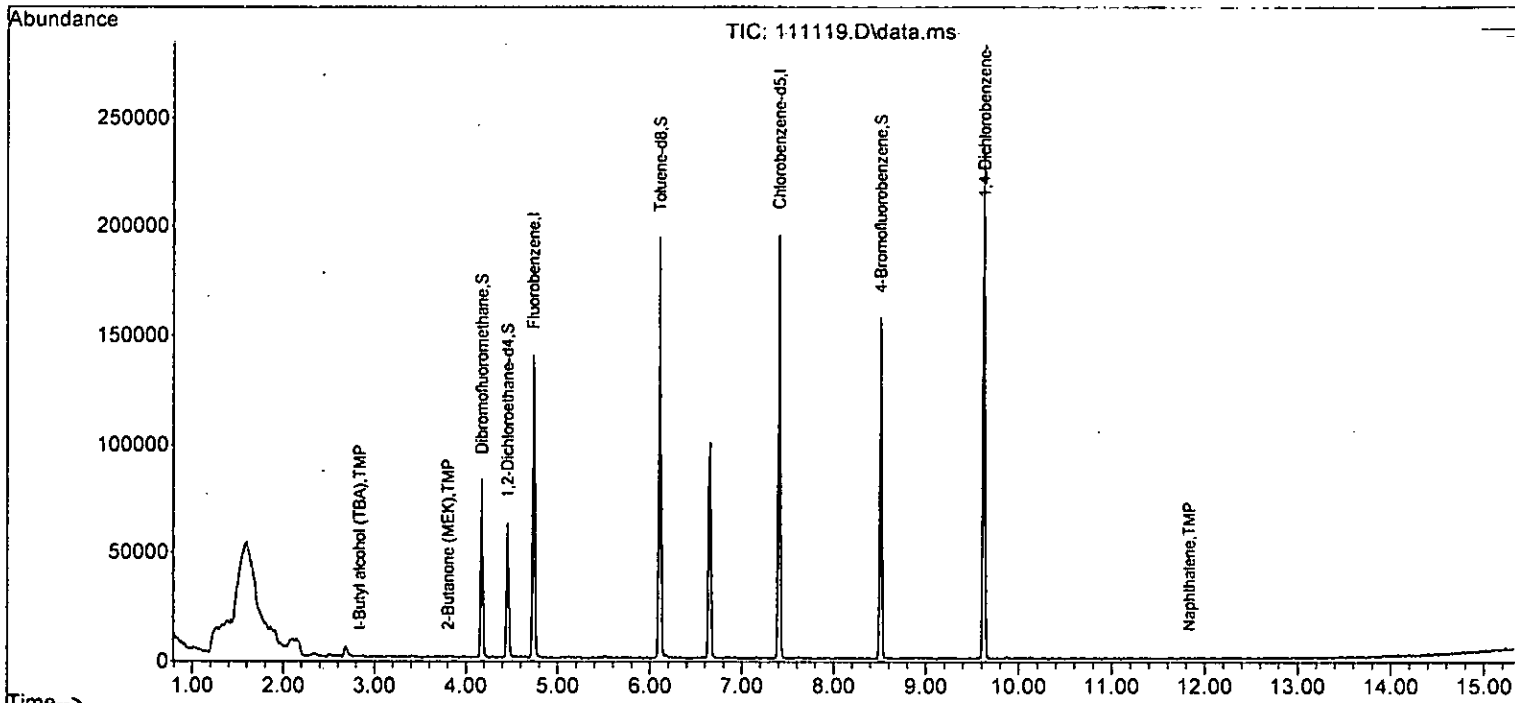
Quant Time: Nov 14 08:08:27 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
~~QLast_Update: Mon-Nov-07-15:16:10-2022~~
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.000		0		N.D.	
38) cis-1,3-Dichloropropene	0.000		0		N.D.	
40] Toluene	6.164	92	94	Below Cal		91
41) trans-1,3-Dichloropropene	6.267	75	215		N.D.	
42) 1,1,2-Trichloroethane	0.000		0		N.D. d	
43) 2-Hexanone	0.000		0		N.D. d	
44) 1,3-Dichloropropane	6.818	76	43		N.D.	
45] Tetrachloroethene	6.648	164	26685	6.635	ppb	94
46) Dibromochloromethane	6.885	129	45	Below Cal	#	11
47) 1,2-Dibromoethane (EDB)	0.000		0		N.D.	
48) Chlorobenzene	0.000		0		N.D.	
49) Ethylbenzene	7.539	91	94		N.D.	
50) 1,1,1,2-Tetrachloroethane	0.000		0		N.D.	
51] m,p-Xylene	7.651	106	98	0.016	ppb	86
52) o-Xylene	8.022	106	37		N.D.	
53) Styrene	0.000		0		N.D.	
54) Isopropylbenzene	8.508	105	38		N.D.	
55) Bromoform	0.000		0		N.D.	
58) n-Propylbenzene	8.766	91	134		N.D.	
59) Bromobenzene	0.000		0		N.D.	
60) 1,3,5-Trimethylbenzene	8.947	105	79		N.D.	
61) 1,1,2,2-Tetrachloroethane	0.000		0		N.D.	
62) 1,2,3-Trichloropropane	8.611	75	58		N.D.	
63) 2-Chlorotoluene	8.853	91	63		N.D.	
64) 4-Chlorotoluene	8.853	91	63		N.D.	
65) tert-Butylbenzene	0.000		0		N.D.	
66) 1,2,4-Trimethylbenzene	9.305	105	101		N.D.	
67) sec-Butylbenzene	9.465	105	56		N.D.	
68) p-Isopropyltoluene	9.617	119	120		N.D.	
69) 1,3-Dichlorobenzene	9.645	146	24		N.D.	
70) 1,4-Dichlorobenzene	9.645	146	24		N.D.	
71) 1,2-Dichlorobenzene	0.000		0		N.D.	
72) 1,2-Dibromo-3-chloropr...	10.989	75	25		N.D.	
73) 1,2,4-Trichlorobenzene	11.599	180	36		N.D.	
74) Hexachlorobutadiene	0.000		0		N.D.	
75) Naphthalene	11.835	128	411	0.115	ppb	69
76) 1,2,3-Trichlorobenzene	0.000		0		N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS13\11-11-22\
Data File : 111119.D
Acq On : 11 Nov 2022 02:41 pm
Operator : WE
Sample : 211162-11 1/0.25
Misc : soil
ALS Vial : 16 Sample Multiplier: 1
InstName : GCMS13

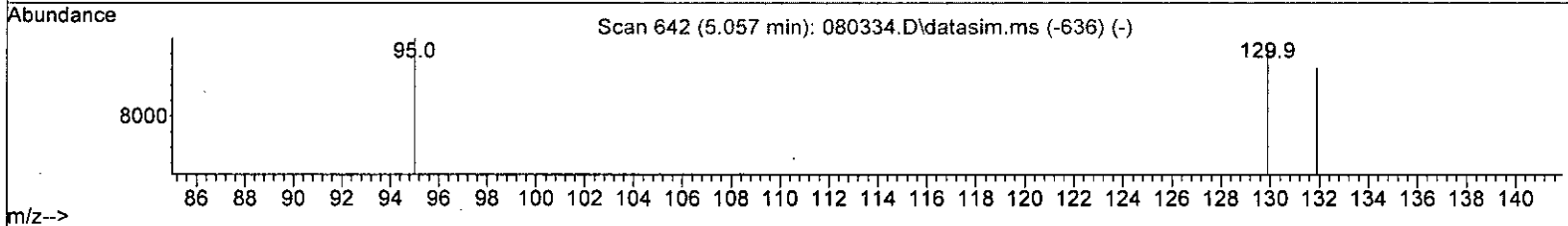
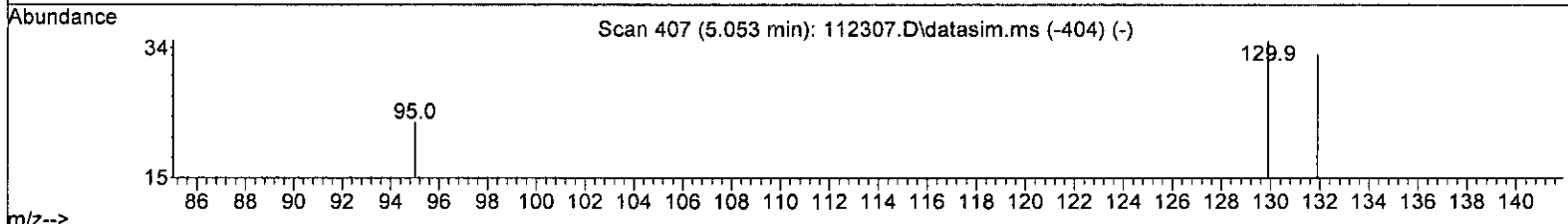
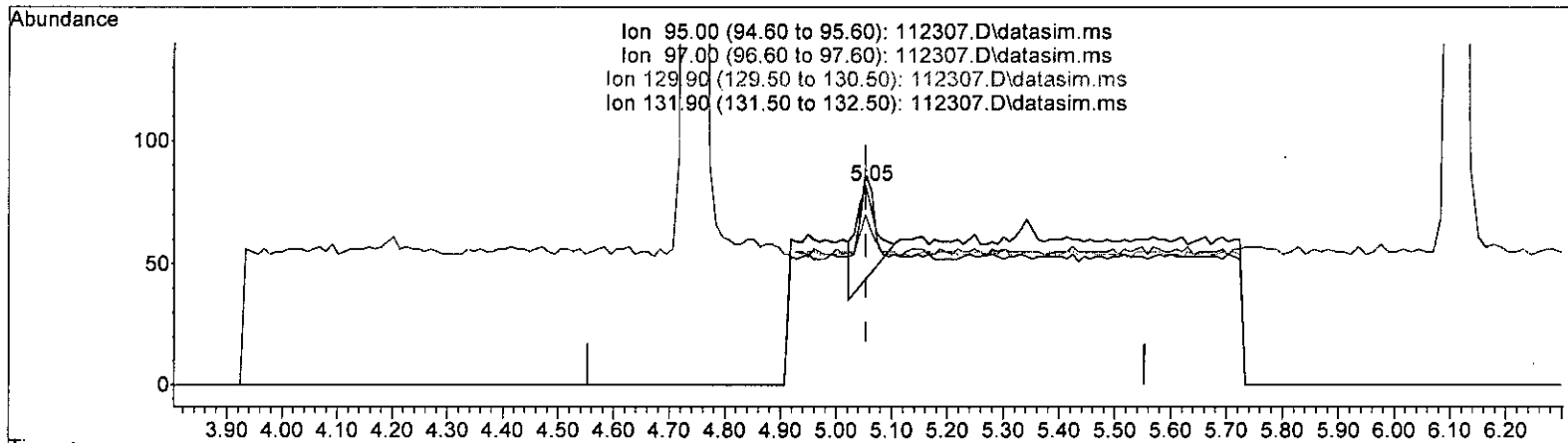
Quant Time: Nov 14 08:08:27 2022
Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
QLast Update : Mon Nov 07 15:16:10 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M



Quantitation Report (Qedit)

Data Path : Y:\GCMS13\GCMS13_Data\11-23-22\
 Data File : 112307.D
 Acq On : 23 Nov 2022 01:30 pm
 Operator : LM
 Sample : 211162-12
 Misc : water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 23 15:14:13 2022
 Quant Method : D:\Methods\Inst13\VB112222ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed Nov 23 09:07:37 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 112307.D\data.ms

(32) Trichloroethene (TME)

5.053min (-0.000) 0.070 ppb

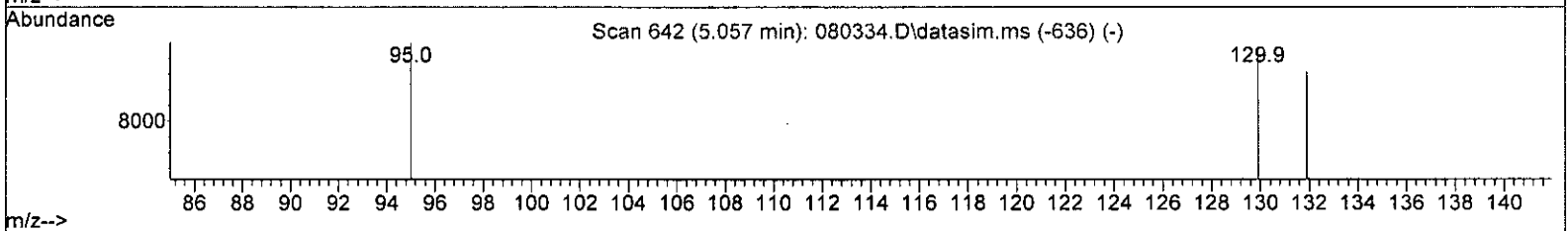
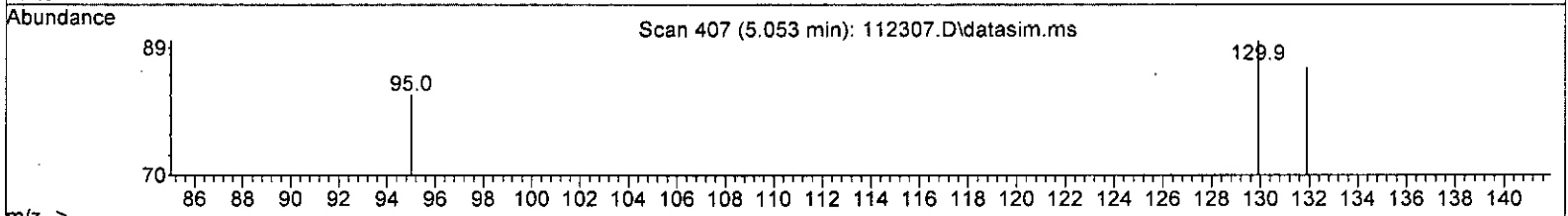
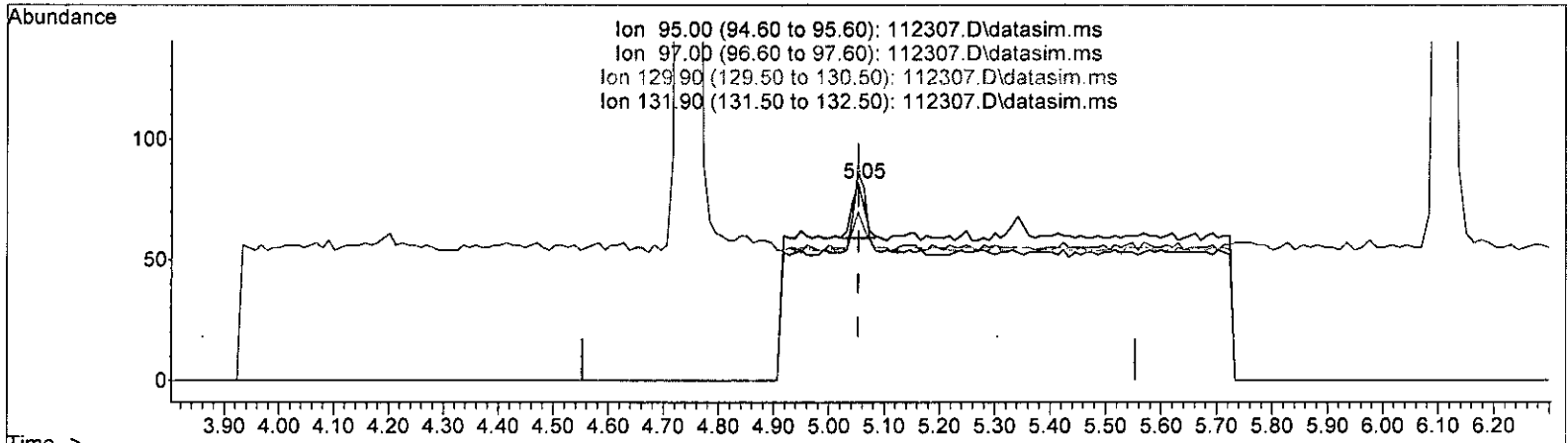
response 97

Ion	Exp%	Act%
95.00	100.00	100.00
97.00	65.50	62.50
129.90	138.60	150.00
131.90	128.80	137.50

Quantitation Report (Qedit)

Data Path : Y:\GCMS13\GCMS13_Data\11-23-22\
 Data File : 112307.D
 Acq On : 23 Nov 2022 01:30 pm
 Operator : LM
 Sample : 211162-12
 Misc : water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 23 15:14:13 2022
 Quant Method : D:\Methods\Inst13\VB112222ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed Nov 23 09:07:37 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 112307.D\data.ms

(32) Trichloroethene (TME)

5.053min (-0.000) 0.022 ppb m

response 36

Ion	Exp%	Act%
95.00	100.00	100.00
97.00	65.50	85.37
129.90	138.60	109.76
131.90	128.80	104.88

Data Path : Y:\GCMS13\GCMS13_Data\11-23-22\
 Data File : 112307.D
 Acq On : 23 Nov 2022 01:30 pm
 Operator : LM
 Sample : 211162-12
 Misc : water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 23 15:14:13 2022
 Quant Method : D:\Methods\Inst13\VB112222ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed Nov 23 09:07:37 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

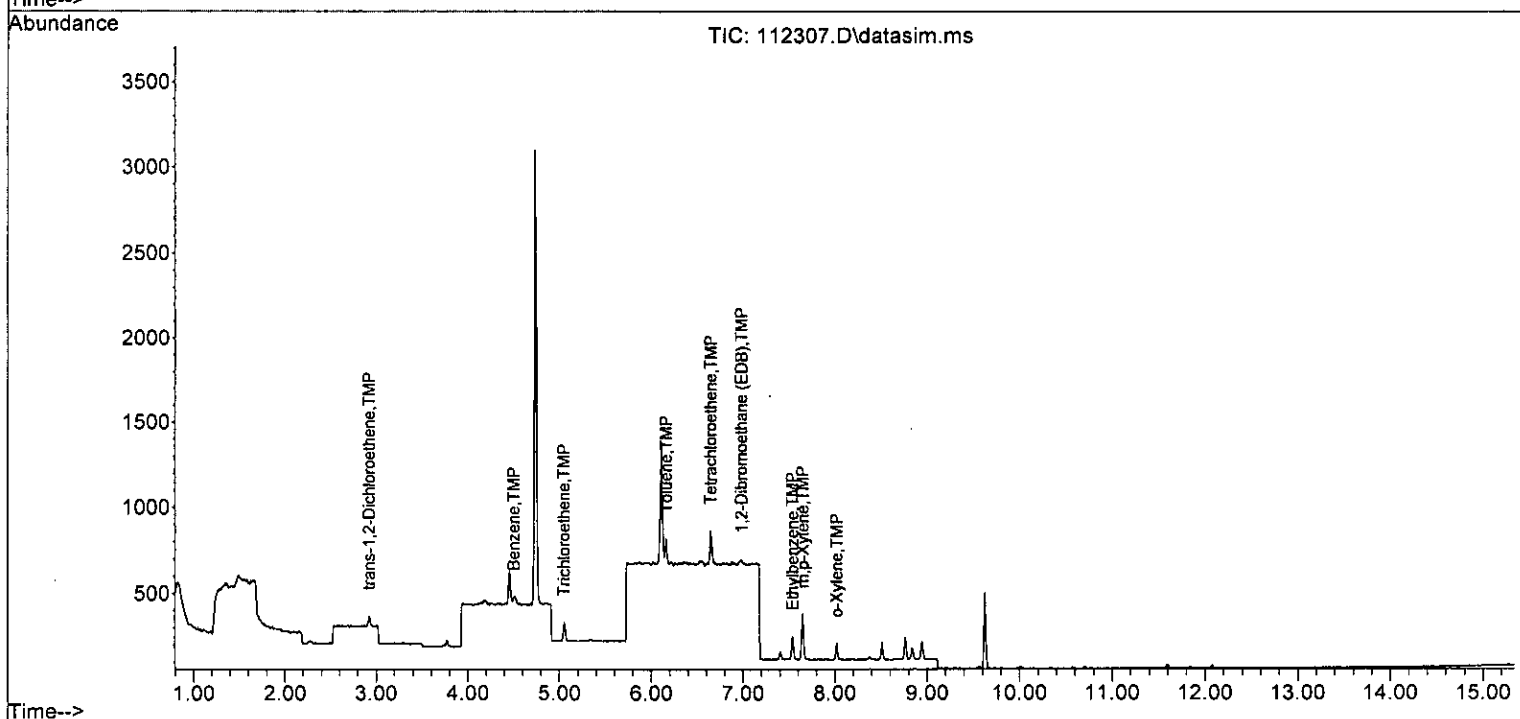
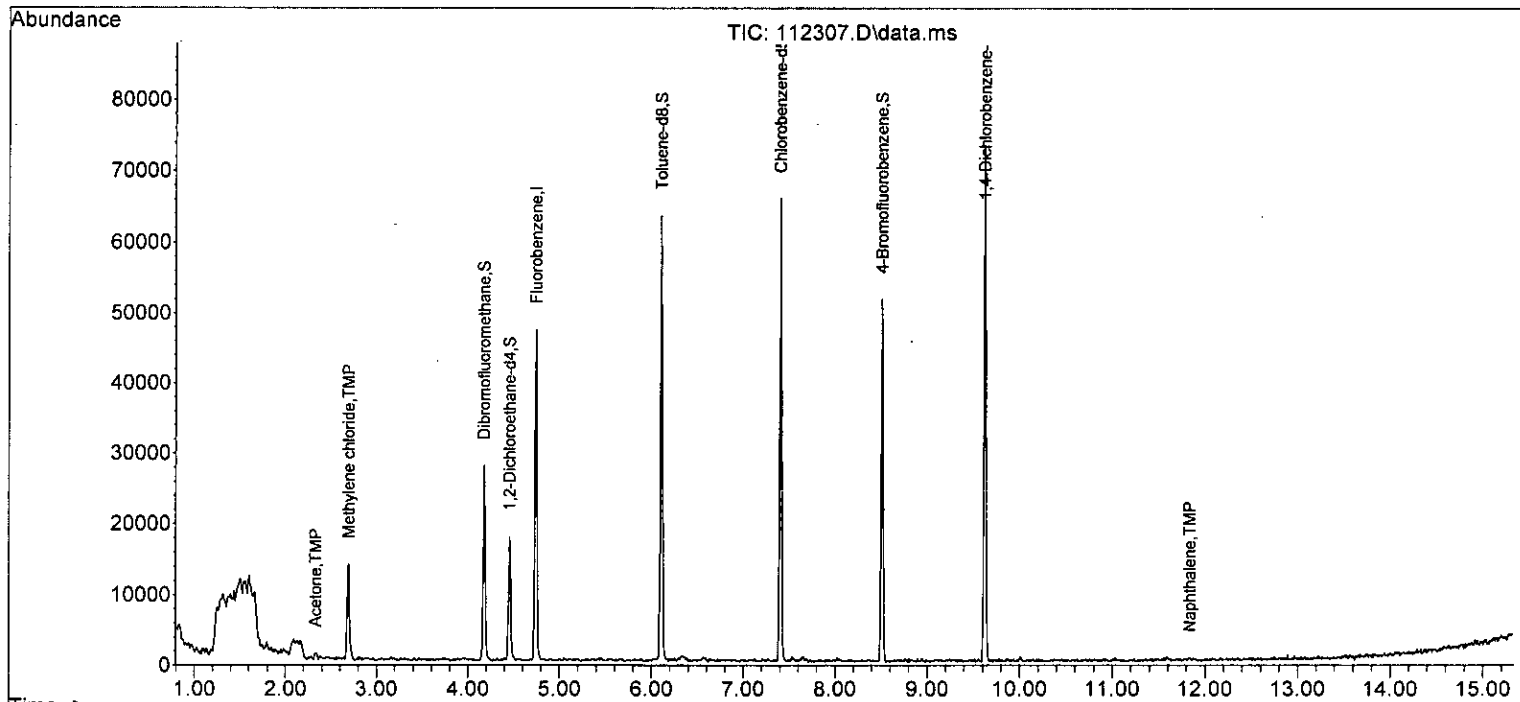
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

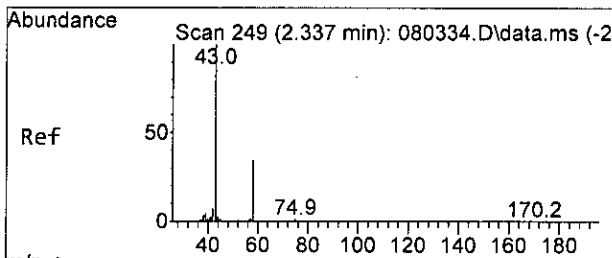
Internal Standards						
1) Fluorobenzene	4.75	96	37123	10.000	ppb	0.00
39) Chlorobenzene-d5	7.40	117	34047	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	19522	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.17	113	12244	9.945	ppb	0.00
Spiked Amount	10.000	Range	50 - 150	Recovery	=	99.50%
30) 1,2-Dichloroethane-d4	4.45	102	2266	9.927	ppb	0.00
Spiked Amount	10.000	Range	71 - 132	Recovery	=	99.30%
35) Toluene-d8	6.11	98	35784	9.969	ppb	0.00
Spiked Amount	10.000	Range	68 - 139	Recovery	=	99.70%
57) 4-Bromofluorobenzene	8.51	95	13322	10.743	ppb	0.00
Spiked Amount	10.000	Range	62 - 136	Recovery	=	107.40%
Target Compounds						
						Qvalue
11) Acetone	2.33	58	149	1.299	ppb	# 1
14) Methylene chloride	2.69	84	6713	6.319	ppb	96
17] trans-1,2-Dichloroethene	2.92	96	33	0.031	ppb	83
21) 2,2-Dichloropropane	3.78	77	44	Below Cal		48
24) 2-Butanone (MEK)	3.79	43	48	Below Cal		57
31] Benzene	4.50	78	47	0.013	ppb	85
32] Trichloroethene	5.05	95	36m	0.022	ppb	
40] Toluene	6.16	92	69	0.018	ppb	98
45] Tetrachloroethene	6.65	164	79	0.038	ppb	97
47] 1,2-Dibromoethane (EDB)	6.98	107	30	0.026	ppb	93
49] Ethylbenzene	7.54	91	135	0.023	ppb	96
51] m,p-Xylene	7.65	106	143	0.058	ppb	95
52] o-Xylene	8.02	106	52	0.019	ppb	98
75) Naphthalene	11.83	128	319	0.089	ppb	69

(#) = qualifier out of range (m) = manual integration (+) = signals summed

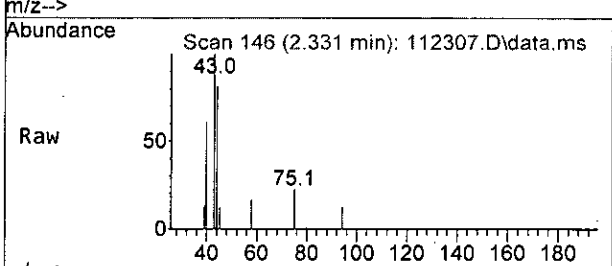
Data Path : Y:\GCMS13\GCMS13_Data\11-23-22\
 Data File : 112307.D
 Acq On : 23 Nov 2022 01:30 pm
 Operator : LM
 Sample : 211162-12
 Misc : water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 23 15:14:13 2022
 Quant Method : D:\Methods\Inst13\VB112222ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed Nov 23 09:07:37 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

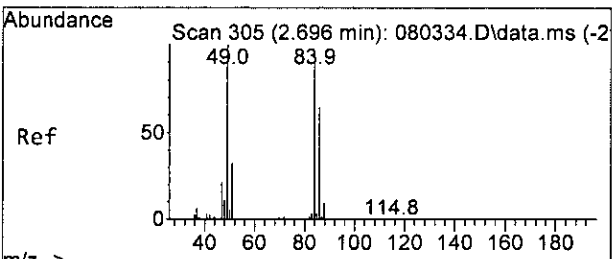
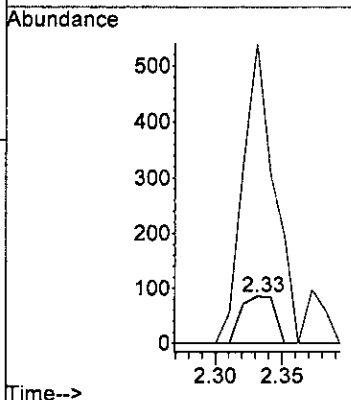
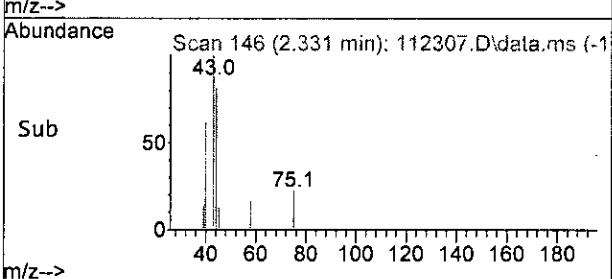




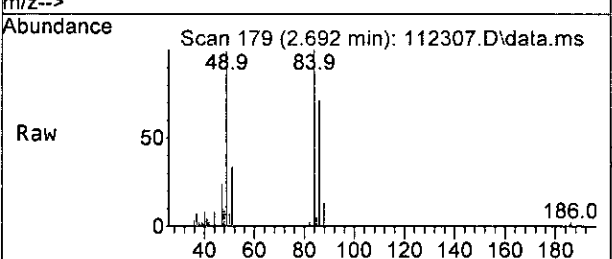
#11
 Acetone
 Concen: 1.299 ppb
 RT: 2.33 min Scan# 146
 Delta R.T. 0.000 min
 Lab File: 112307.D
 Acq: 23 Nov 2022 01:30 pm



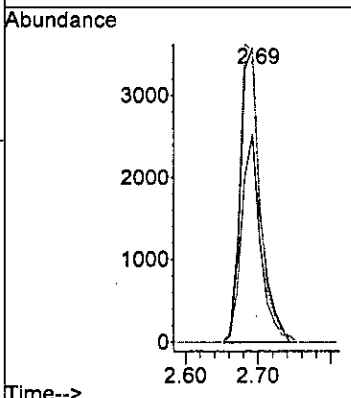
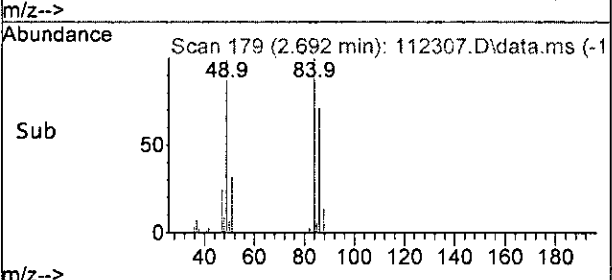
Tgt Ion: 58 Resp: 149
 Ion Ratio Lower Upper
 58 100
 43 653.7 354.8 414.8#

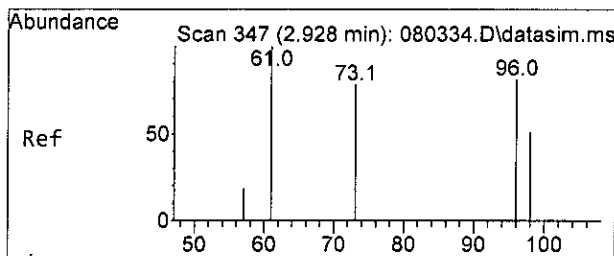


#14
 Methylene chloride
 Concen: 6.319 ppb
 RT: 2.69 min Scan# 179
 Delta R.T. 0.000 min
 Lab File: 112307.D
 Acq: 23 Nov 2022 01:30 pm



Tgt Ion: 84 Resp: 6713
 Ion Ratio Lower Upper
 84 100
 86 70.8 41.5 101.5
 49 99.2 75.5 135.5

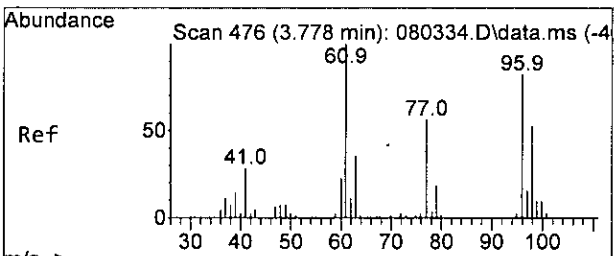
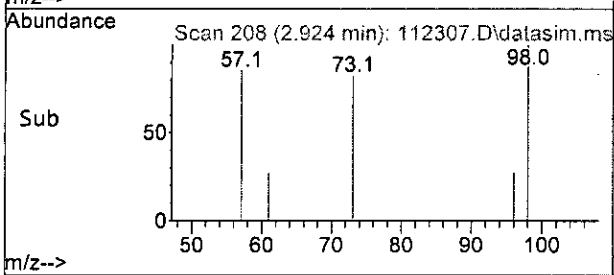
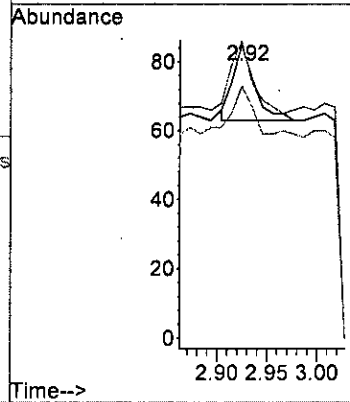
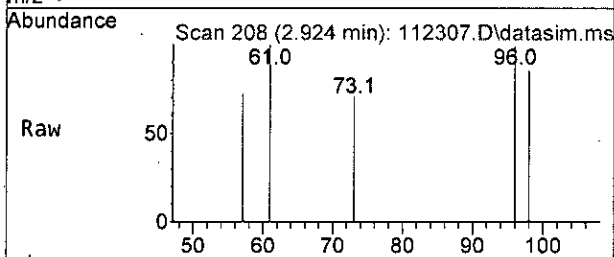




#17
 trans-1,2-Dichloroethene
 Concen: 0.031 ppb
 RT: 2.92 min Scan# 208
 Delta R.T. 0.000 min
 Lab File: 112307.D
 Acq: 23 Nov 2022 01:30 pm

Tgt Ion: 96 Resp: 33

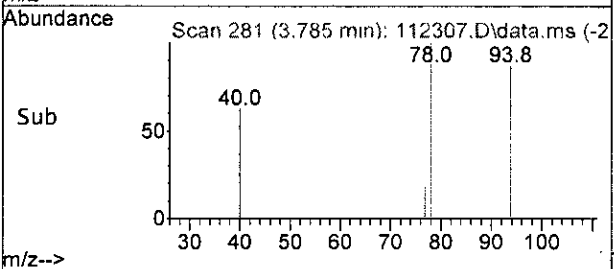
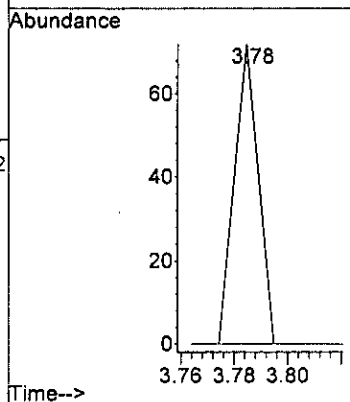
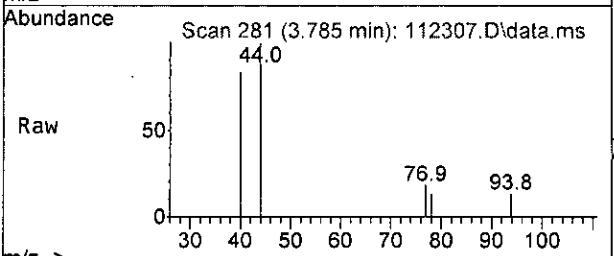
Ion	Ratio	Lower	Upper
96	100		
61	86.4	81.1	141.1
98	68.2	34.2	94.2

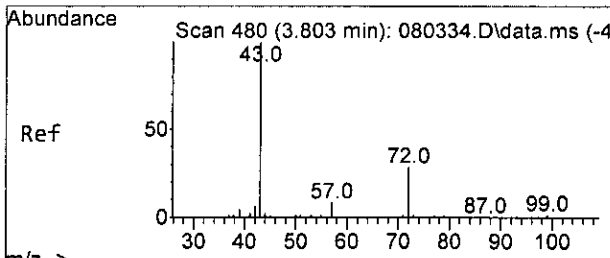


#21
 2,2-Dichloropropane
 Concen: Below Cal
 RT: 3.78 min Scan# 281
 Delta R.T. 0.011 min
 Lab File: 112307.D
 Acq: 23 Nov 2022 01:30 pm

Tgt Ion: 77 Resp: 44

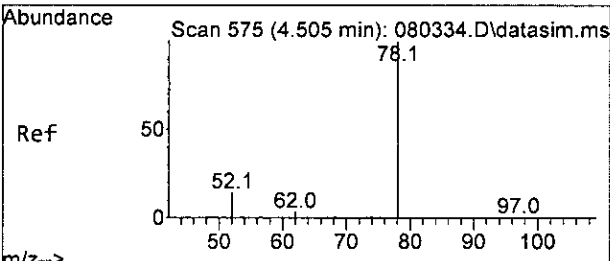
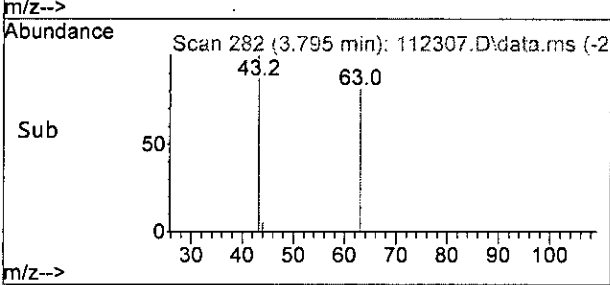
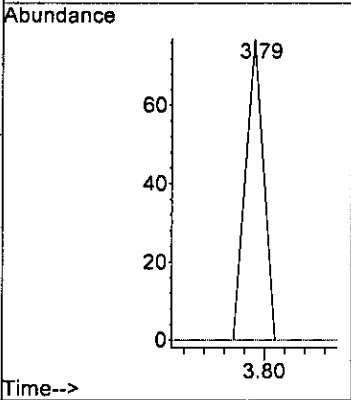
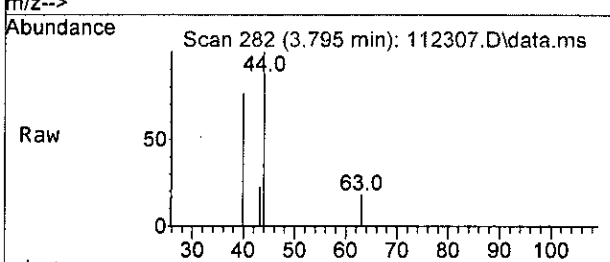
Ion	Ratio	Lower	Upper
77	100		
97	0.0	0.0	57.0





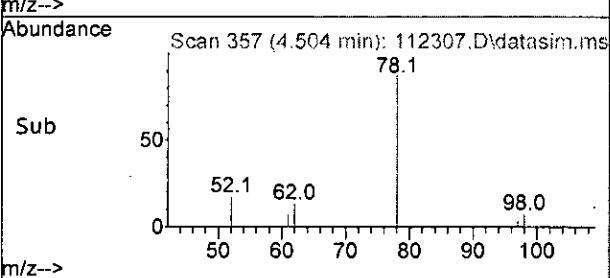
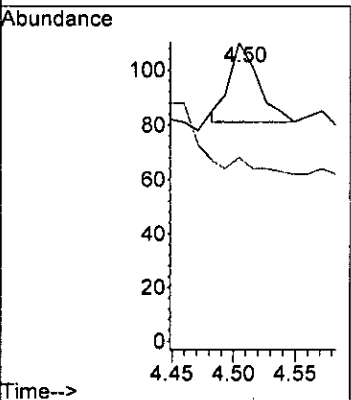
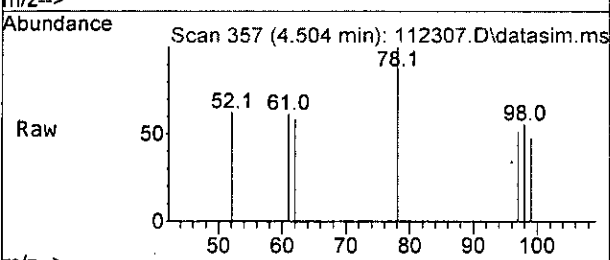
#24
 2-Butanone (MEK)
 Concen: Below Cal
 RT: 3.79 min Scan# 282
 Delta R.T. -0.000 min
 Lab File: 112307.D
 Acq: 23 Nov 2022 01:30 pm

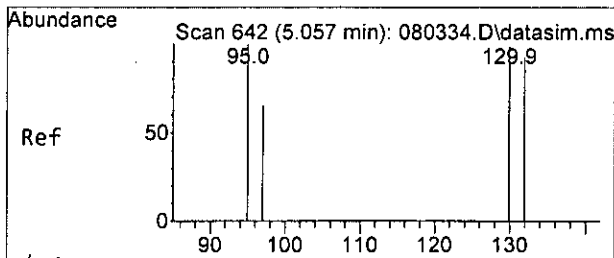
Tgt Ion	Resp	Lower	Upper
43	100		
72	0.0	0.0	55.0
57	0.0	0.0	28.0



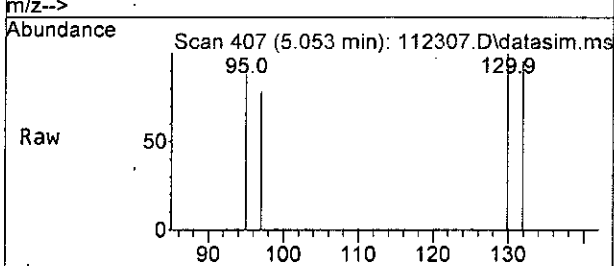
#31
 Benzene
 Concen: 0.013 ppb
 RT: 4.50 min Scan# 357
 Delta R.T. 0.000 min
 Lab File: 112307.D
 Acq: 23 Nov 2022 01:30 pm

Tgt Ion	Resp	Lower	Upper
78	100		
52	20.7	0.0	44.5

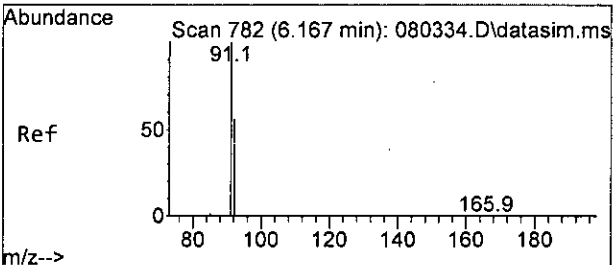
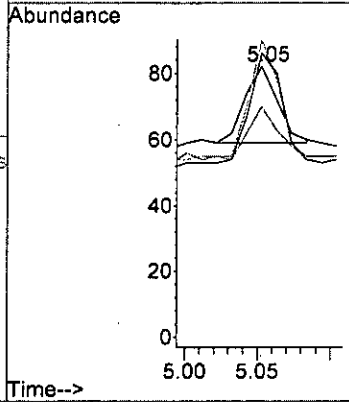
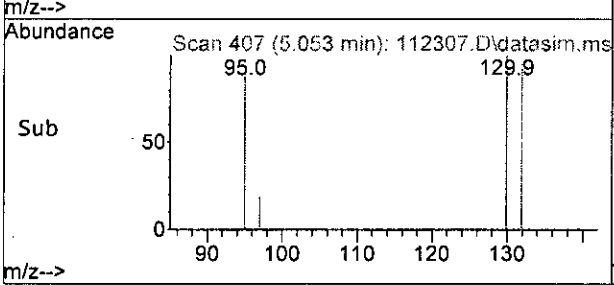




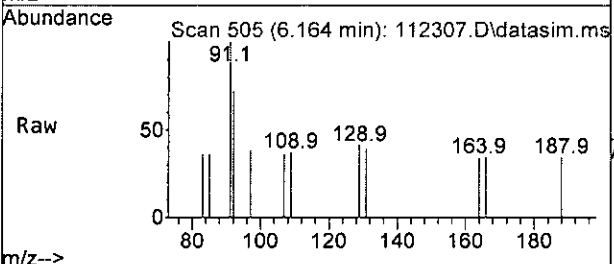
#32
 Trichloroethene
 Concen: 0.022 ppb m
 RT: 5.05 min Scan# 407
 Delta R.T. -0.000 min
 Lab File: 112307.D
 Acq: 23 Nov 2022 01:30 pm



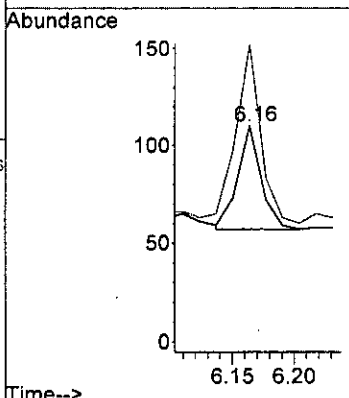
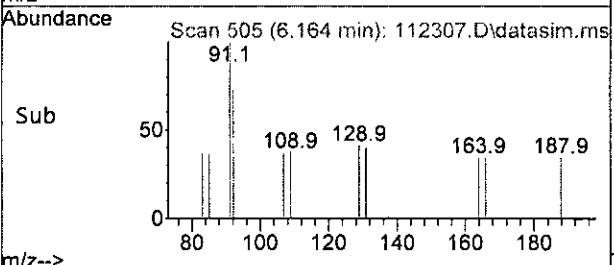
Tgt Ion: 95 Resp: 36
 Ion Ratio Lower Upper
 95 100
 97 85.4 35.5 95.5
 130 109.8 108.6 168.6
 132 104.9 98.8 158.8

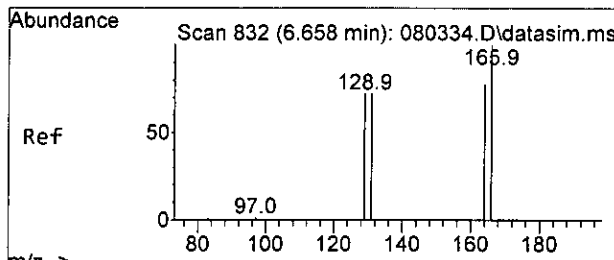


#40
 Toluene
 Concen: 0.018 ppb
 RT: 6.16 min Scan# 505
 Delta R.T. -0.000 min
 Lab File: 112307.D
 Acq: 23 Nov 2022 01:30 pm



Tgt Ion: 92 Resp: 69
 Ion Ratio Lower Upper
 92 100
 91 173.6 140.9 200.9

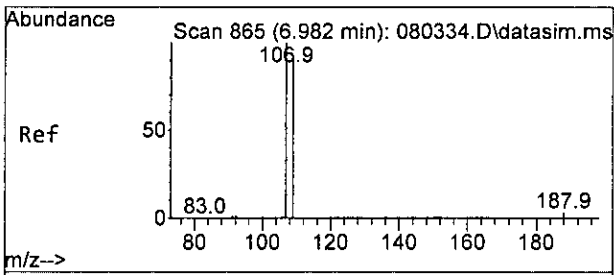
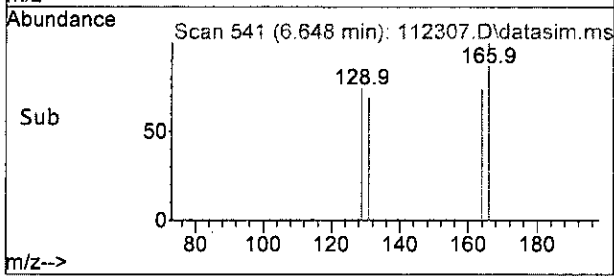
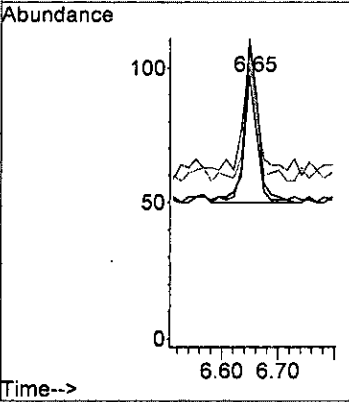
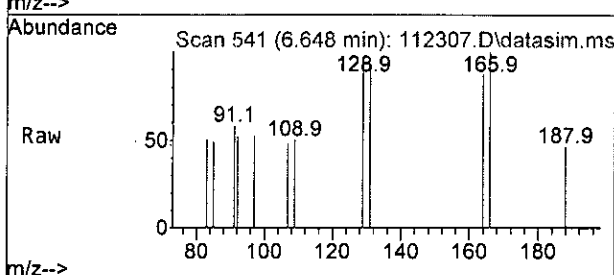




#45
 Tetrachloroethene
 Concen: 0.038 ppb
 RT: 6.65 min Scan# 541
 Delta R.T. -0.000 min
 Lab File: 112307.D
 Acq: 23 Nov 2022 01:30 pm

Tgt Ion:164 Resp: 79

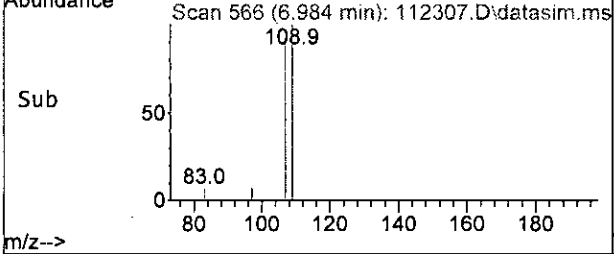
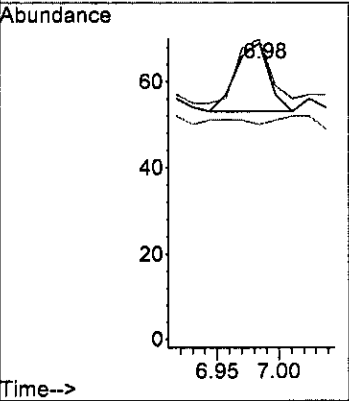
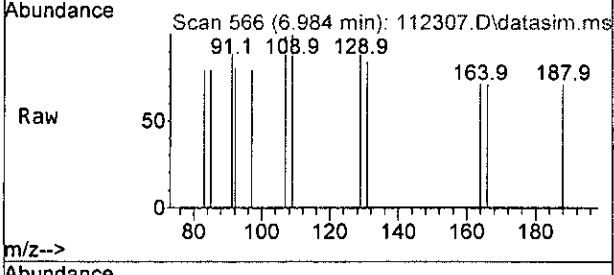
Ion	Ratio	Lower	Upper
164	100		
129	93.6	64.4	124.4
131	93.6	60.6	120.6
166	127.7	93.1	153.1

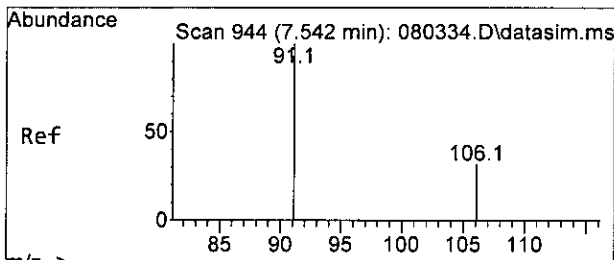


#47
 1,2-Dibromoethane (EDB)
 Concen: 0.026 ppb
 RT: 6.98 min Scan# 566
 Delta R.T. 0.000 min
 Lab File: 112307.D
 Acq: 23 Nov 2022 01:30 pm

Tgt Ion:107 Resp: 30

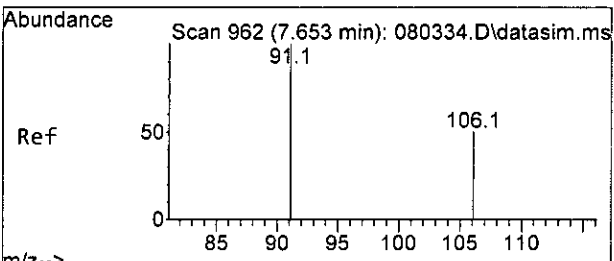
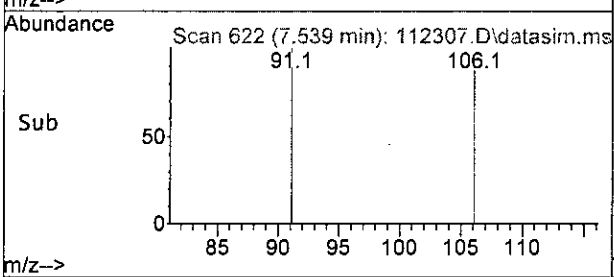
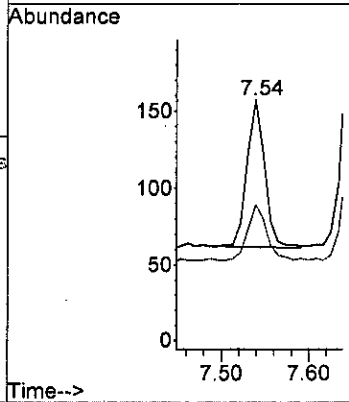
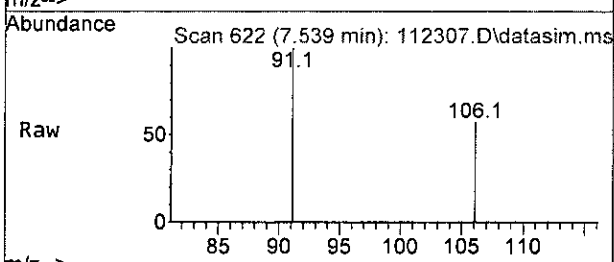
Ion	Ratio	Lower	Upper
107	100		
109	93.8	70.2	130.2
188	0.0	0.0	35.6





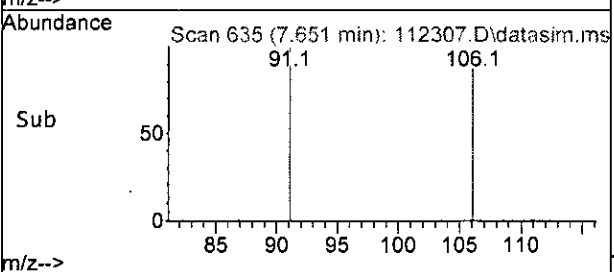
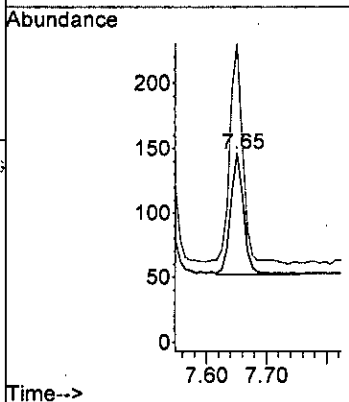
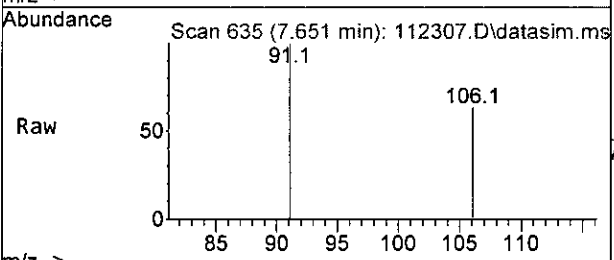
#49
 Ethylbenzene
 Concen: 0.023 ppb
 RT: 7.54 min Scan# 622
 Delta R.T. 0.000 min
 Lab File: 112307.D
 Acq: 23 Nov 2022 01:30 pm

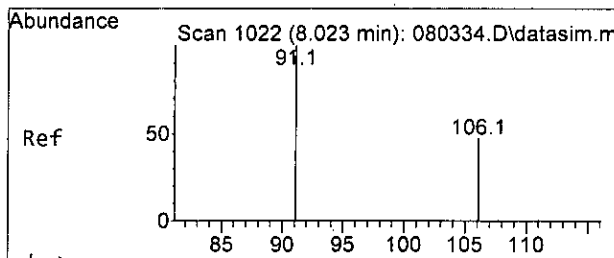
Tgt Ion: 91 Resp: 135
 Ion Ratio Lower Upper
 91 100
 106 37.9 5.5 65.5



#51
 m,p-Xylene
 Concen: 0.058 ppb
 RT: 7.65 min Scan# 635
 Delta R.T. 0.000 min
 Lab File: 112307.D
 Acq: 23 Nov 2022 01:30 pm

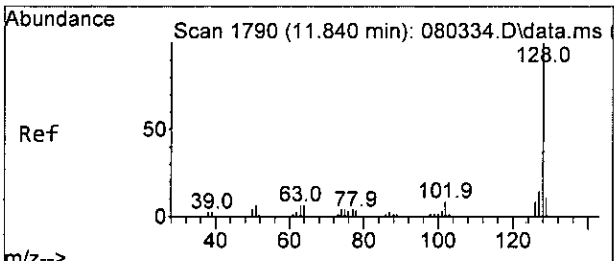
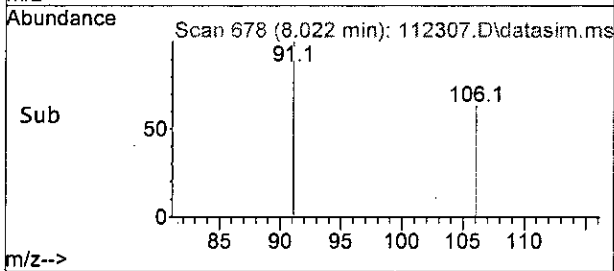
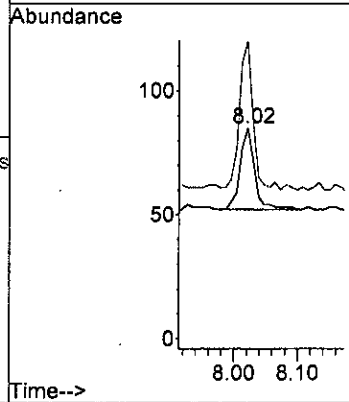
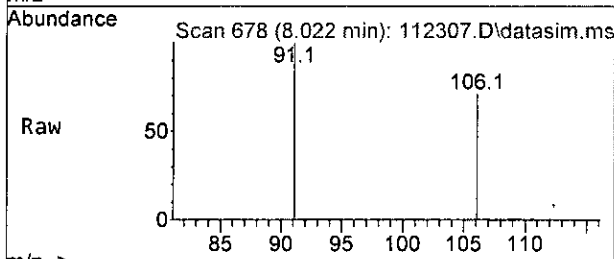
Tgt Ion: 106 Resp: 143
 Ion Ratio Lower Upper
 106 100
 91 179.8 143.3 203.3





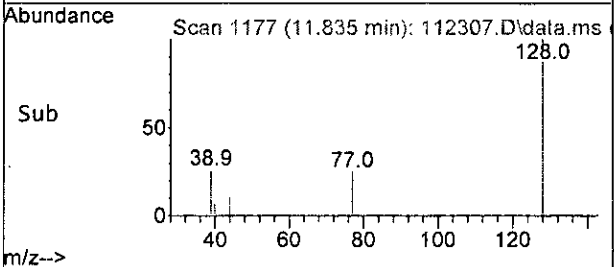
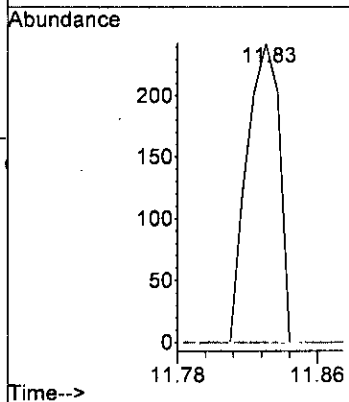
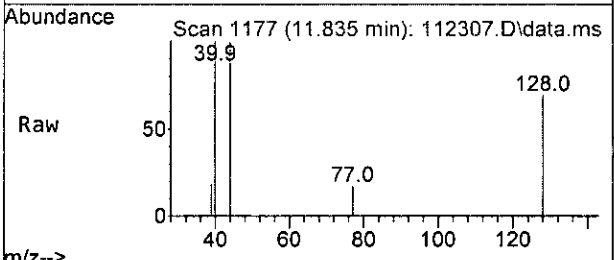
#52
 o-Xylene
 Concen: 0.019 ppb
 RT: 8.02 min Scan# 678
 Delta R.T. -0.000 min
 Lab File: 112307.D
 Acq: 23 Nov 2022 01:30 pm

Tgt Ion	Resp	Lower	Upper
106	100		
91	178.8	151.2	211.2



#75
 Naphthalene
 Concen: 0.089 ppb
 RT: 11.83 min Scan# 1177
 Delta R.T. 0.001 min
 Lab File: 112307.D
 Acq: 23 Nov 2022 01:30 pm

Tgt Ion	Resp	Lower	Upper
128	100		
129	0.0	0.0	41.5
127	0.0	0.0	42.9



Data Path : Y:\GCMS13\GCMS13_Data\11-23-22\
 Data File : 112307.D
 Acq On : 23 Nov 2022 01:30 pm
 Operator : LM
 Sample : 211162-12
 Misc : water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 23 15:14:13 2022
 Quant Method : D:\Methods\Inst13\VB112222ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed Nov 23 09:07:37 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	4.75	96	37123	10.000	ppb	0.00	
39) Chlorobenzene-d5	7.40	117	34047	10.000	ppb	0.00	
56) 1,4-Dichlorobenzene-d4	9.62	152	19522	10.000	ppb	0.00	
System Monitoring Compounds							
3) Dibromofluoromethane	4.17	113	12244	9.945	ppb	0.00	
Spiked Amount	10.000	Range 50 - 150	Recovery	=	99.50%		
30) 1,2-Dichloroethane-d4	4.45	102	2266	9.927	ppb	0.00	
Spiked Amount	10.000	Range 71 - 132	Recovery	=	99.30%		
35) Toluene-d8	6.11	98	35784	9.969	ppb	0.00	
Spiked Amount	10.000	Range 68 - 139	Recovery	=	99.70%		
57) 4-Bromofluorobenzene	8.51	95	13322	10.743	ppb	0.00	
Spiked Amount	10.000	Range 62 - 136	Recovery	=	107.40%		
Target Compounds							
							Qvalue
2) Ethanol	2.34	45	148	No Calib			
4) Dichlorodifluoromethane	0.00		0	N.D.			
5) Chloromethane	1.24	50	745	N.D.			
6) Vinyl chloride	0.00		0	N.D.			
7) Bromomethane	0.00		0	N.D.			
8) Chloroethane	0.00		0	N.D.			
9) Trichlorofluoromethane	0.00		0	N.D.			
10) 2-Propanol	2.34	45	148	No Calib	#		
11) Acetone	2.33	58	149	1.299	ppb	#	1
12) 1,1-Dichloroethene	0.00		0	N.D.			
13) Hexane	0.00		0	N.D.			
14) Methylene chloride	2.69	84	6713	6.319	ppb		96
15) t-Butyl alcohol (TBA)	0.00		0	N.D.			
16) Methyl t-butyl ether (...)	0.00		0	N.D.			
17] trans-1,2-Dichloroethene	2.92	96	33	0.031	ppb		83
18) Diisopropyl ether (DIPE)	0.00		0	N.D.			
19) 1,1-Dichloroethane	0.00		0	N.D.			
20) Ethyl t-butyl ether (E...)	0.00		0	N.D.			
21) 2,2-Dichloropropane	3.78	77	44	Below Cal			48
22) cis-1,2-Dichloroethene	0.00		0	N.D.			
23) Chloroform	0.00		0	N.D.			
24) 2-Butanone (MEK)	3.79	43	48	Below Cal			57
25) t-Amyl methyl ether (T...)	0.00		0	N.D.			
26) 1,2-Dichloroethane (EDC)	0.00		0	N.D.			
27) 1,1,1-Trichloroethane	0.00		0	N.D.			
28) 1,1-Dichloropropene	0.00		0	N.D.			
29) Carbon tetrachloride	0.00		0	N.D.			
31] Benzene	4.50	78	47	0.013	ppb		85
32] Trichloroethene	5.05	95	36m	0.022	ppb		
33) 1,2-Dichloropropane	0.00		0	N.D.			
34) Bromodichloromethane	0.00		0	N.D.			
36) Dibromomethane	0.00		0	N.D.			

Data Path : Y:\GCMS13\GCMS13_Data\11-23-22\
 Data File : 112307.D
 Acq On : 23 Nov 2022 01:30 pm
 Operator : LM
 Sample : 211162-12
 Misc : water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

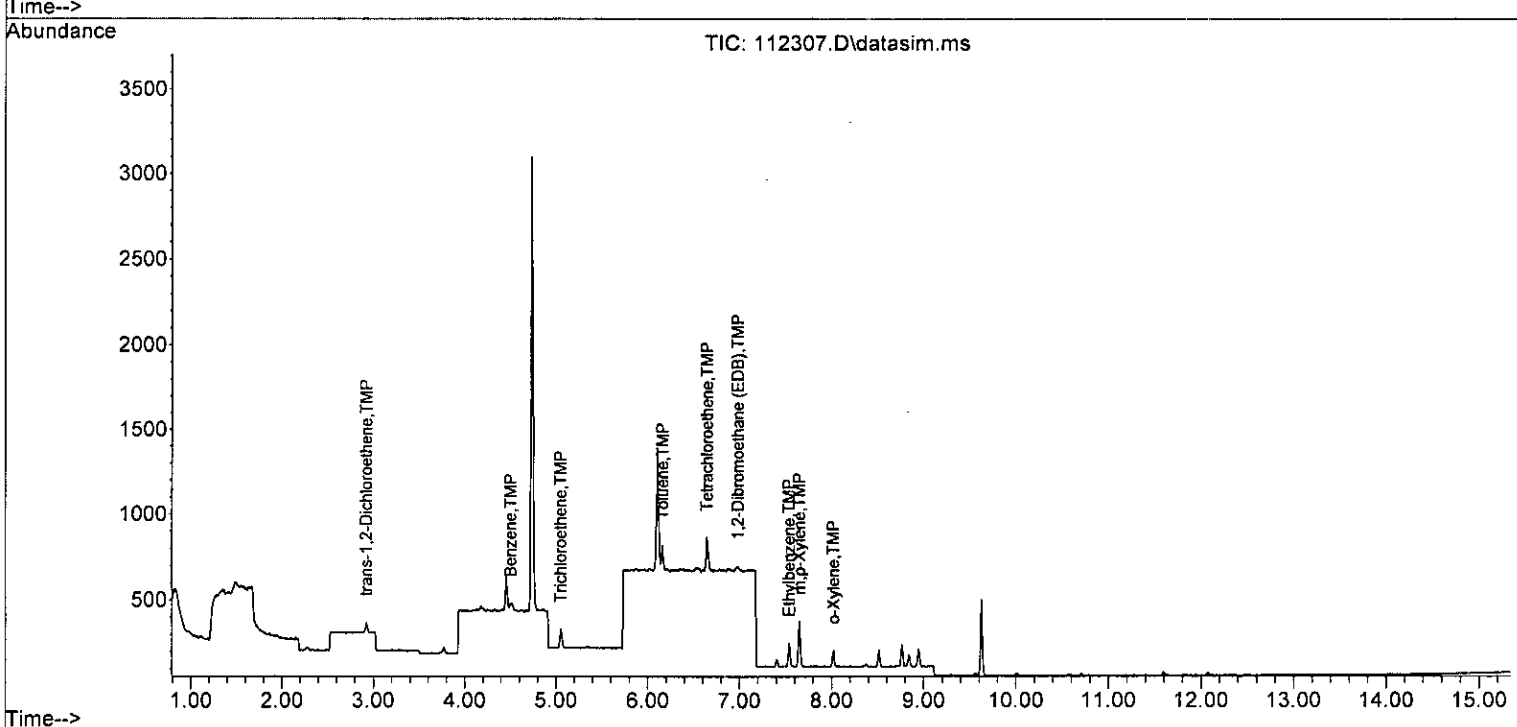
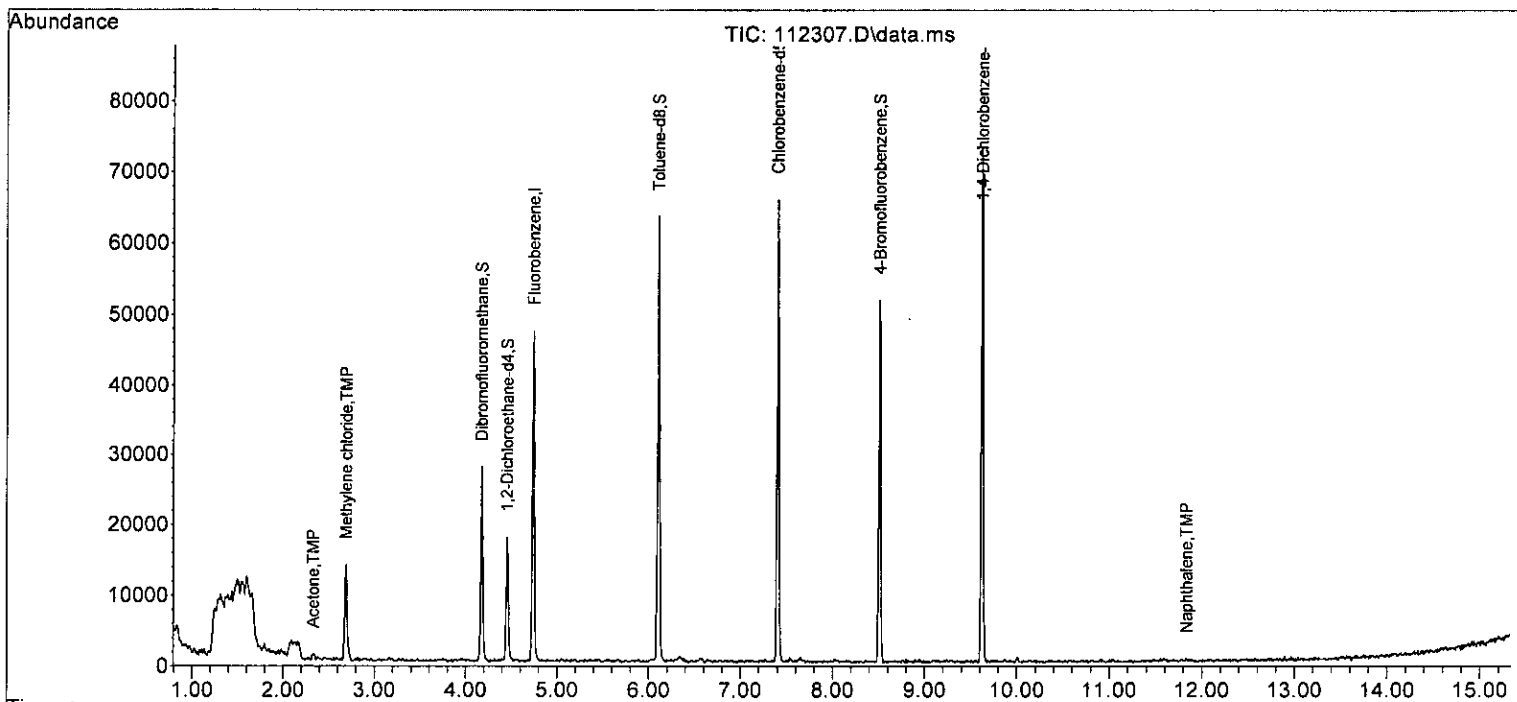
Quant Time: Nov 23 15:14:13 2022
 Quant Method : D:\Methods\Inst13\VB112222ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed Nov 23 09:07:37 2022
 Response via : Initial Calibration
 DataAcq Meth: VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.00		0		N.D.	
38) cis-1,3-Dichloropropene	0.00		0		N.D.	
40] Toluene	6.16	92	69	0.018	ppb	98
41) trans-1,3-Dichloropropene	6.36	75	48		N.D.	
42) 1,1,2-Trichloroethane	6.54	83	25		N.D.	
43) 2-Hexanone	0.00		0		N.D.	
44) 1,3-Dichloropropane	0.00		0		N.D.	
45] Tetrachloroethene	6.65	164	79	0.038	ppb	97
46) Dibromochloromethane	6.79	129	48		N.D.	
47] 1,2-Dibromoethane (EDB)	6.98	107	30	0.026	ppb	93
48) Chlorobenzene	7.43	112	123		N.D.	
49] Ethylbenzene	7.54	91	135	0.023	ppb	96
50) 1,1,1,2-Tetrachloroethane	0.00		0		N.D.	
51] m,p-Xylene	7.65	106	143	0.058	ppb	95
52] o-Xylene	8.02	106	52	0.019	ppb	98
53) Styrene	8.03	104	146		N.D.	
54) Isopropylbenzene	0.00		0		N.D.	
55) Bromoform	0.00		0		N.D.	
58) n-Propylbenzene	8.76	91	221		N.D.	
59) Bromobenzene	0.00		0		N.D.	
60) 1,3,5-Trimethylbenzene	8.94	105	83		N.D.	
61) 1,1,2,2-Tetrachloroethane	0.00		0		N.D.	
62) 1,2,3-Trichloropropane	0.00		0		N.D. d	
63) 2-Chlorotoluene	8.76	91	221		N.D.	
64) 4-Chlorotoluene	8.94	91	74		N.D.	
65) tert-Butylbenzene	9.24	119	58		N.D.	
66) 1,2,4-Trimethylbenzene	9.29	105	147		N.D.	
67) sec-Butylbenzene	9.46	105	234		N.D.	
68) p-Isopropyltoluene	9.60	119	167		N.D.	
69) 1,3-Dichlorobenzene	9.64	146	184		N.D.	
70) 1,4-Dichlorobenzene	9.64	146	184		N.D.	
71) 1,2-Dichlorobenzene	0.00		0		N.D.	
72) 1,2-Dibromo-3-chloropr...	0.00		0		N.D.	
73) 1,2,4-Trichlorobenzene	11.60	180	128		N.D.	
74) Hexachlorobutadiene	11.78	225	105		N.D.	
75) Naphthalene	11.83	128	319	0.089	ppb	69
76) 1,2,3-Trichlorobenzene	12.08	180	24		N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\GCMS13\GCMS13_Data\11-23-22\
 Data File : 112307.D
 Acq On : 23 Nov 2022 01:30 pm
 Operator : LM
 Sample : 211162-12
 Misc : water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

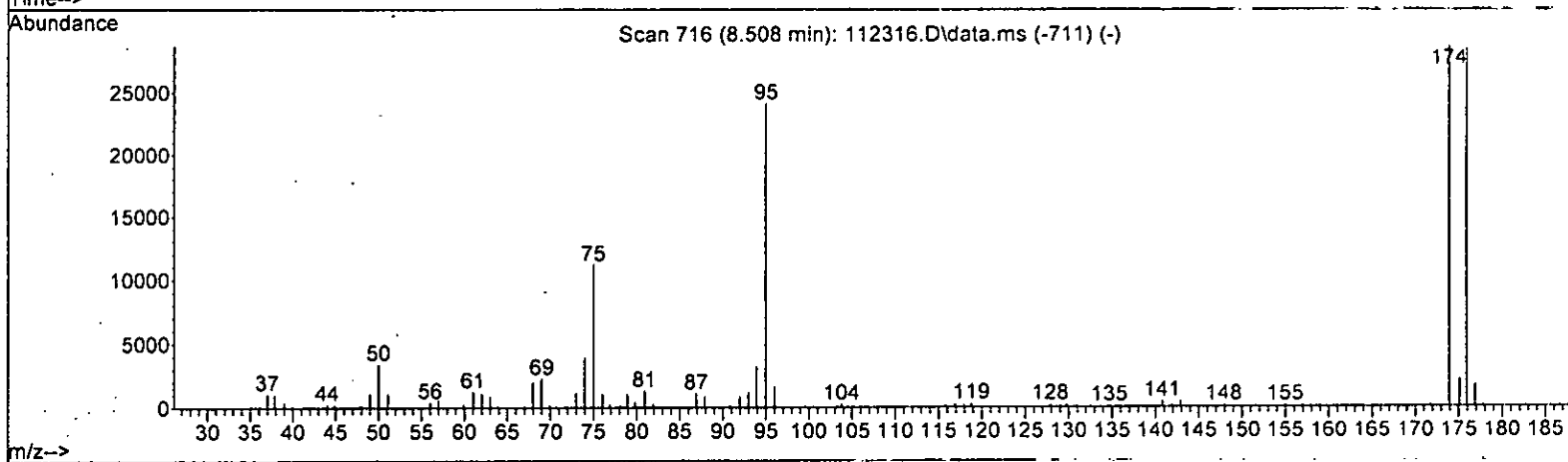
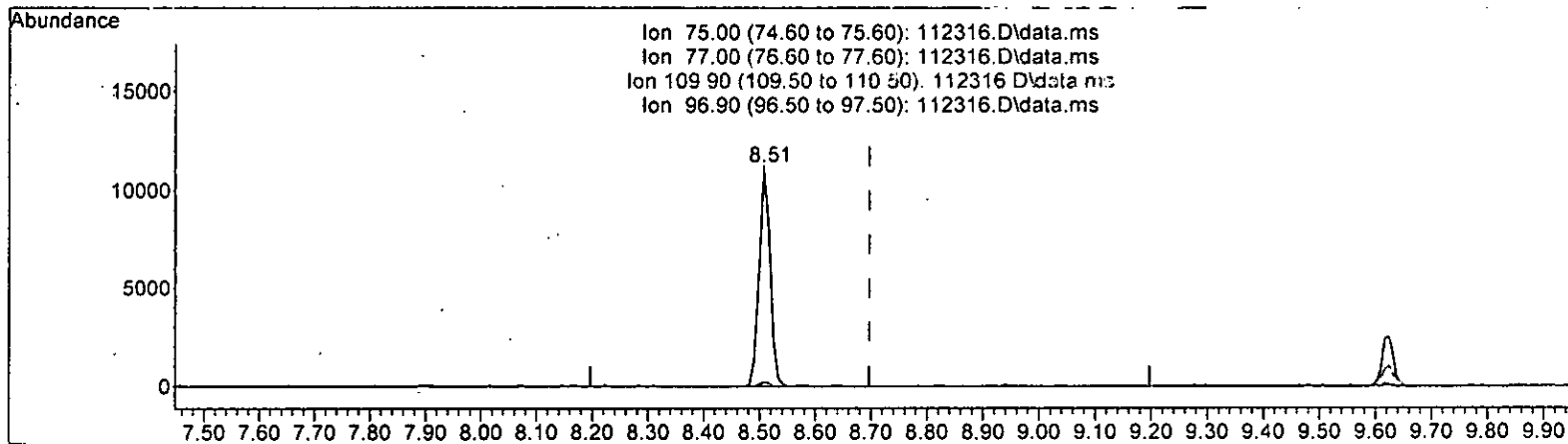
Quant Time: Nov 23 15:14:13 2022
 Quant Method : D:\Methods\Inst13\VB112222ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed Nov 23 09:07:37 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-23-22\
 Data File : 112316.D
 Acq On : 23 Nov 2022 07:16 pm
 Operator : LM
 Sample : 211162-12
 Misc : water
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 28 13:48:10 2022
 Quant Method : Y:\Methods\Inst13\VB112222ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed Nov 23 09:07:37 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 112316.D\data.ms

(62) 1,2,3-Trichloropropane (TMP)

8.508min (-0.189) 8.127 ppb

response 15107

Ion	Exp%	Act%
75.00	100.00	100.00
77.00	30.40	1.91
109.90	51.90	0.00#
96.90	24.30	0.00

Data Path : Y:\Proc_GCMS13\11-23-22\
 Data File : 112316.D
 Acq On : 23 Nov 2022 07:16 pm
 Operator : LM
 Sample : 211162-12
 Misc : water
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 28 13:48:10 2022
 Quant Method : Y:\Methods\Inst13\VB112222ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed Nov 23 09:07:37 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

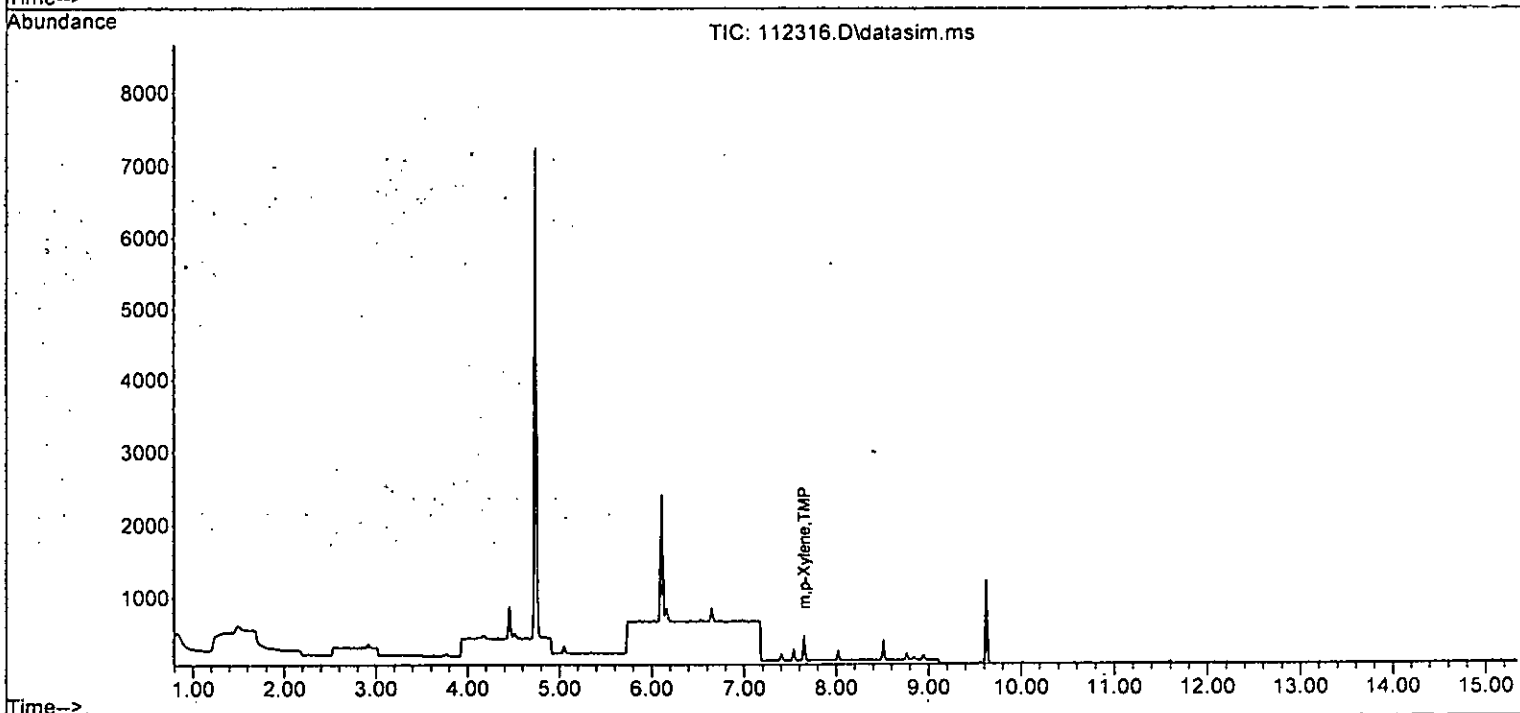
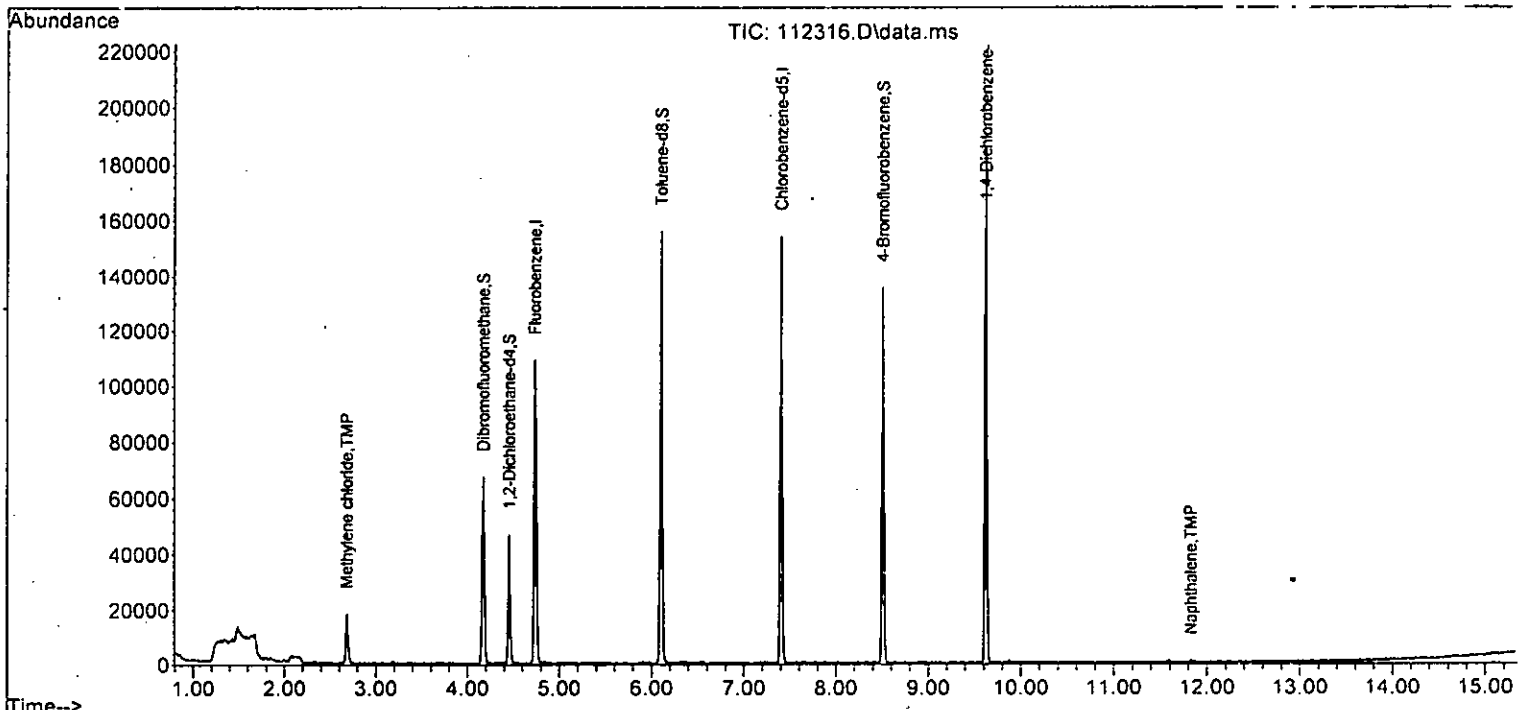
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

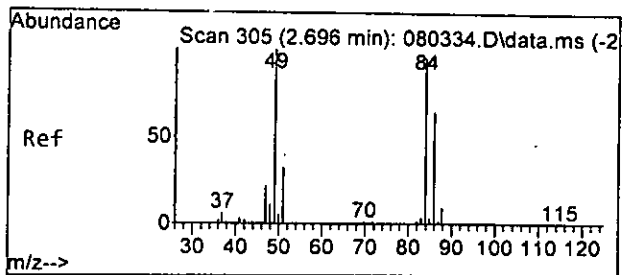
Internal Standards						
1) Fluorobenzene	4.73	96	98575	10.000	ppb	-0.01
39) Chlorobenzene-d5	7.40	117	82742	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	50210	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.17	113	30505	9.331	ppb	0.00
Spiked Amount	10.000	Range 50 - 150	Recovery	=	93.30%	
30) 1,2-Dichloroethane-d4	4.45	102	5329	8.792	ppb	0.00
Spiked Amount	10.000	Range 71 - 132	Recovery	=	87.90%	
35) Toluene-d8	6.10	98	87348	9.164	ppb	0.00
Spiked Amount	10.000	Range 68 - 139	Recovery	=	91.60%	
57) 4-Bromofluorobenzene	8.51	95	32478	10.183	ppb	0.00
Spiked Amount	10.000	Range 62 - 136	Recovery	=	101.80%	
Target Compounds						
14) Methylene chloride	2.68	84	8040	2.206	ppb	90
21) 2,2-Dichloropropane	3.77	77	100	Below Cal		48
24) 2-Butanone (MEK)	3.79	43	82	Below Cal		57
51] m,p-Xylene	7.65	106	187	0.024	ppb	97
75) Naphthalene	11.83	128	454	0.049	ppb	69

(#) = qualifier out of range (m) = manual integration (+) = signals summed

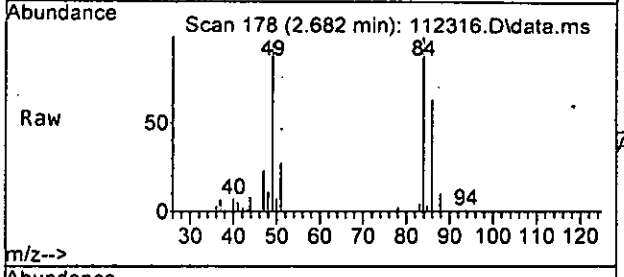
Data Path : Y:\Proc_GCMS13\11-23-22\
Data File : 112316.D
Acq On : 23 Nov 2022 07:16 pm
Operator : LM
Sample : 211162-12
Misc : water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Nov 28 13:48:10 2022
Quant Method : Y:\Methods\Inst13\VB112222ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Nov 23 09:07:37 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M



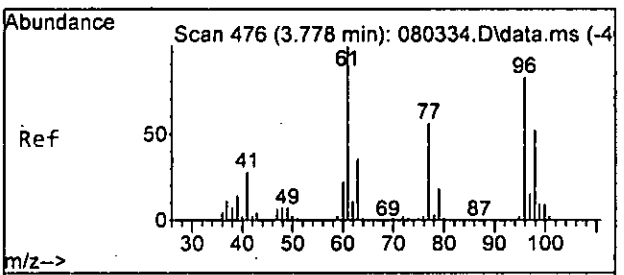
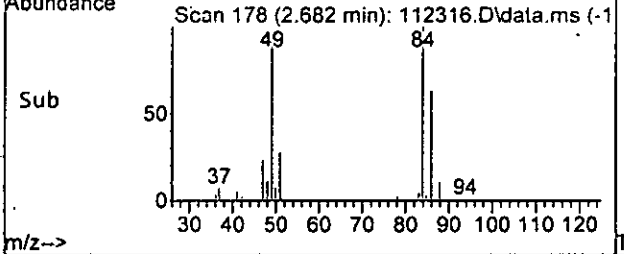
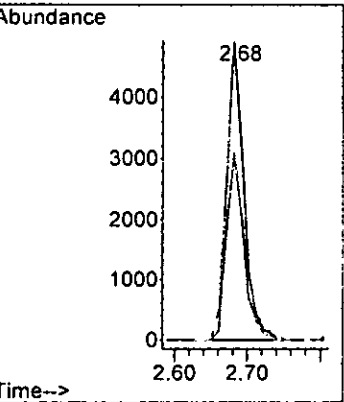


#14
 Methylene chloride
 Concen: 2.206 ppb
 RT: 2.68 min Scan# 178
 Delta R.T. -0.010 min
 Lab File: 112316.D
 Acq: 23 Nov 2022 07:16 pm

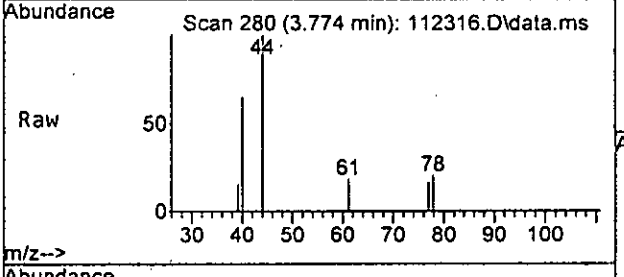


Tgt Ion: 84 Resp: 8040

Ion	Ratio	Lower	Upper
84	100		
86	63.0	41.5	101.5
49	95.9	75.5	135.5

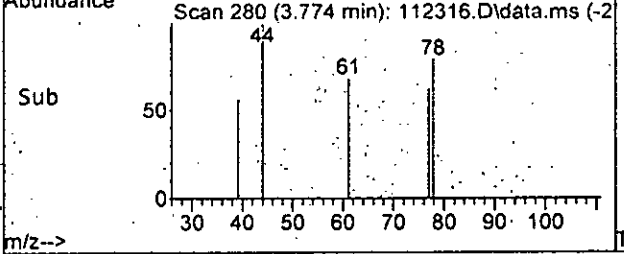
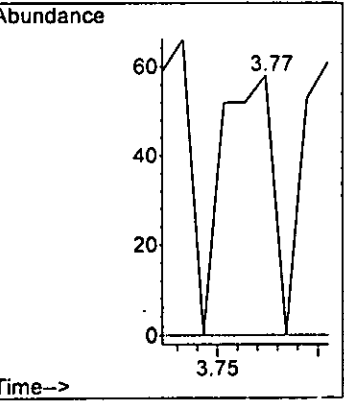


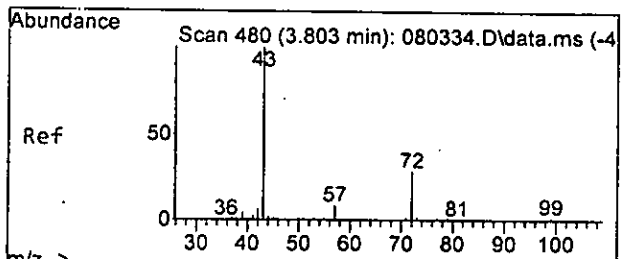
#21
 2,2-Dichloropropane
 Concen: Below Cal
 RT: 3.77 min Scan# 280
 Delta R.T. 0.000 min
 Lab File: 112316.D
 Acq: 23 Nov 2022 07:16 pm



Tgt Ion: 77 Resp: 100

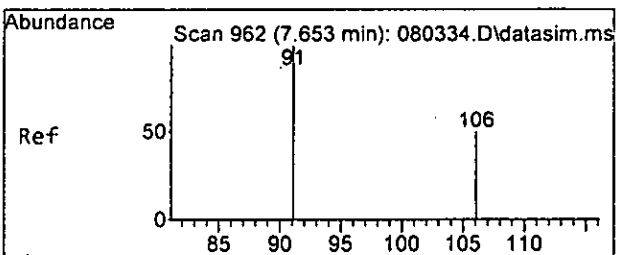
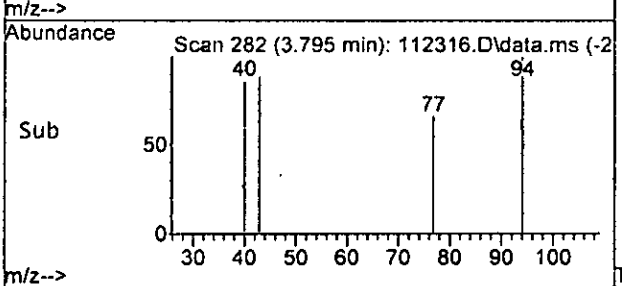
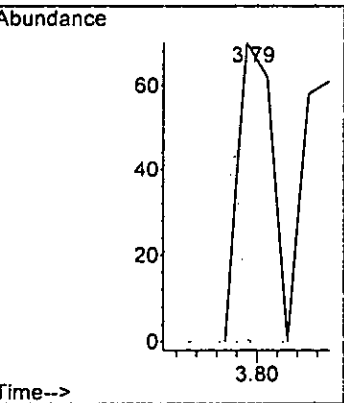
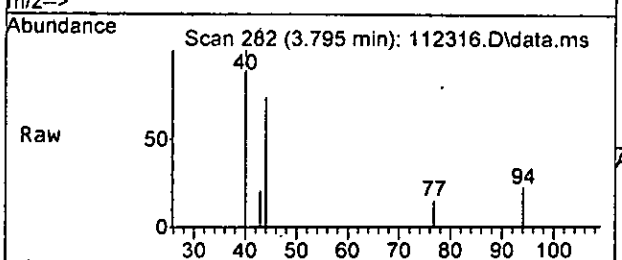
Ion	Ratio	Lower	Upper
77	100		
97	0.0	0.0	57.0





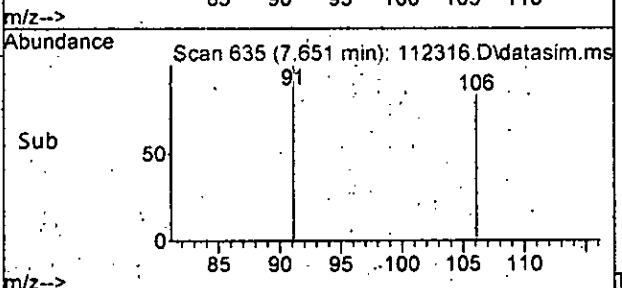
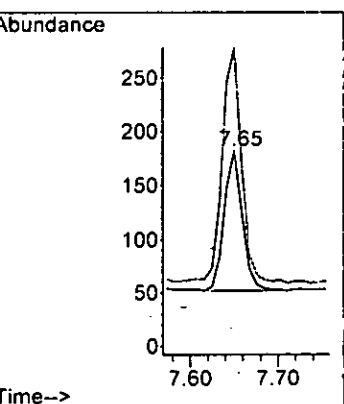
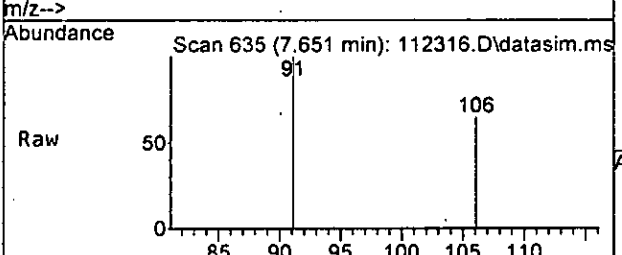
#24
 2-Butanone (MEK)
 Concen: Below Cal
 RT: 3.79 min Scan# 282
 Delta R.T. -0.000 min
 Lab File: 112316.D
 Acq: 23 Nov 2022 07:16 pm

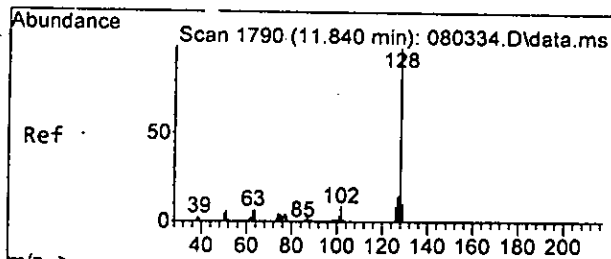
Tgt Ion	43	72	57	Resp	82	Lower	Upper
Ion Ratio	100	0.0	0.0				
		55.0	28.0				



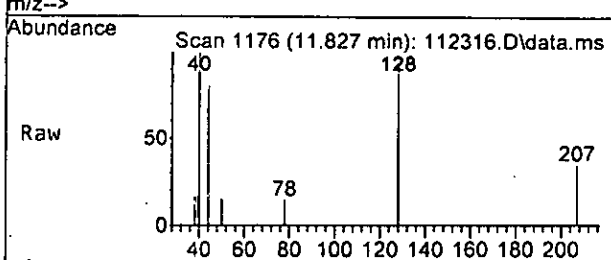
#51
 m,p-Xylene
 Concen: 0.024 ppb
 RT: 7.65 min Scan# 635
 Delta R.T. -0.000 min
 Lab File: 112316.D
 Acq: 23 Nov 2022 07:16 pm

Tgt Ion	106	91	Resp	187	Lower	Upper
Ion Ratio	100	169.2				
		143.3	203.3			



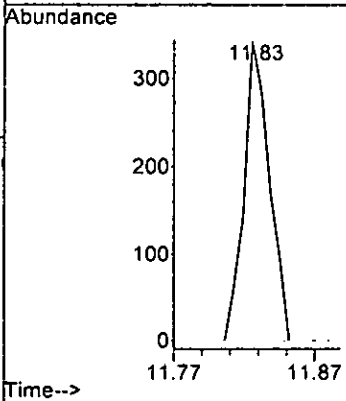
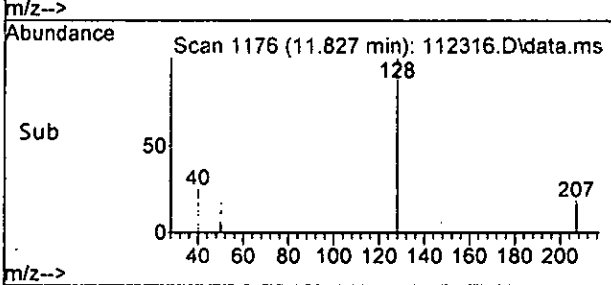


#75
 Naphthalene
 Concen: 0.049 ppb
 RT: 11.83 min Scan# 1176
 Delta R.T. -0.007 min
 Lab File: 112316.D
 Acq: 23 Nov 2022 07:16 pm



Tgt Ion:128 Resp: 454

Ion	Ratio	Lower	Upper
128	100		
129	0.0	0.0	41.5
127	0.0	0.0	42.9



Data Path : Y:\Proc_GCMS13\11-23-22\
 Data File : 112316.D
 Acq On : 23 Nov 2022 07:16 pm
 Operator : LM
 Sample : 211162-12
 Misc : water
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 28 13:48:10 2022
 Quant Method : Y:\Methods\Inst13\VB112222ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed Nov 23 09:07:37 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	4.73	96	98575	10.000	ppb	-0.01
39) Chlorobenzene-d5	7.40	117	82742	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	50210	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.17	113	30505	9.331	ppb	0.00
Spiked Amount	10.000	Range	50 - 150	Recovery	=	93.30%
30) 1,2-Dichloroethane-d4	4.45	102	5329	8.792	ppb	0.00
Spiked Amount	10.000	Range	71 - 132	Recovery	=	87.90%
35) Toluene-d8	6.10	98	87348	9.164	ppb	0.00
Spiked Amount	10.000	Range	68 - 139	Recovery	=	91.60%
57) 4-Bromofluorobenzene	8.51	95	32478	10.183	ppb	0.00
Spiked Amount	10.000	Range	62 - 136	Recovery	=	101.80%
Target Compounds						
2) Ethanol	2.33	45	200	No Calib		Qvalue
4) Dichlorodifluoromethane	0.00		0	N.D.		
5) Chloromethane	1.26	50	147	N.D.		
6) Vinyl chloride	0.00		0	N.D.		
7) Bromomethane	0.00		0	N.D.		
8) Chloroethane	0.00		0	N.D.		
9) Trichlorofluoromethane	0.00		0	N.D.		
10) 2-Propanol	2.33	45	200	No Calib	#	
11) Acetone	2.32	58	114	N.D.		
12) 1,1-Dichloroethene	0.00		0	N.D.		
13) Hexane	0.00		0	N.D.		
14) Methylene chloride	2.68	84	8040	2.206	ppb	90
15) t-Butyl alcohol (TBA)	0.00		0	N.D.		
16) Methyl t-butyl ether (...)	0.00		0	N.D.		
17) trans-1,2-Dichloroethene	0.00		0	N.D.		
18) Diisopropyl ether (DIPE)	0.00		0	N.D.		
19) 1,1-Dichloroethane	0.00		0	N.D.		
20) Ethyl t-butyl ether (E...)	0.00		0	N.D.		
21) 2,2-Dichloropropane	3.77	77	100	Below Cal		48
22) cis-1,2-Dichloroethene	0.00		0	N.D.		
23) Chloroform	0.00		0	N.D.		
24) 2-Butanone (MEK)	3.79	43	82	Below Cal		57
25) t-Amyl methyl ether (T...)	0.00		0	N.D.		
26) 1,2-Dichloroethane (EDC)	4.52	62	68	N.D.		
27) 1,1,1-Trichloroethane	0.00		0	N.D.		
28) 1,1-Dichloropropene	0.00		0	N.D.		
29) Carbon tetrachloride	0.00		0	N.D.		
31) Benzene	4.50	78	65	N.D.		
32) Trichloroethene	5.05	95	43	N.D.		
33) 1,2-Dichloropropane	5.31	63	35	N.D.		
34) Bromodichloromethane	0.00		0	N.D.		
36) Dibromomethane	0.00		0	N.D.		

Data Path : Y:\Proc_GCMS13\11-23-22\
 Data File : 112316.D
 Acq On : 23 Nov 2022 07:16 pm
 Operator : LM
 Sample : 211162-12
 Misc : water
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS13

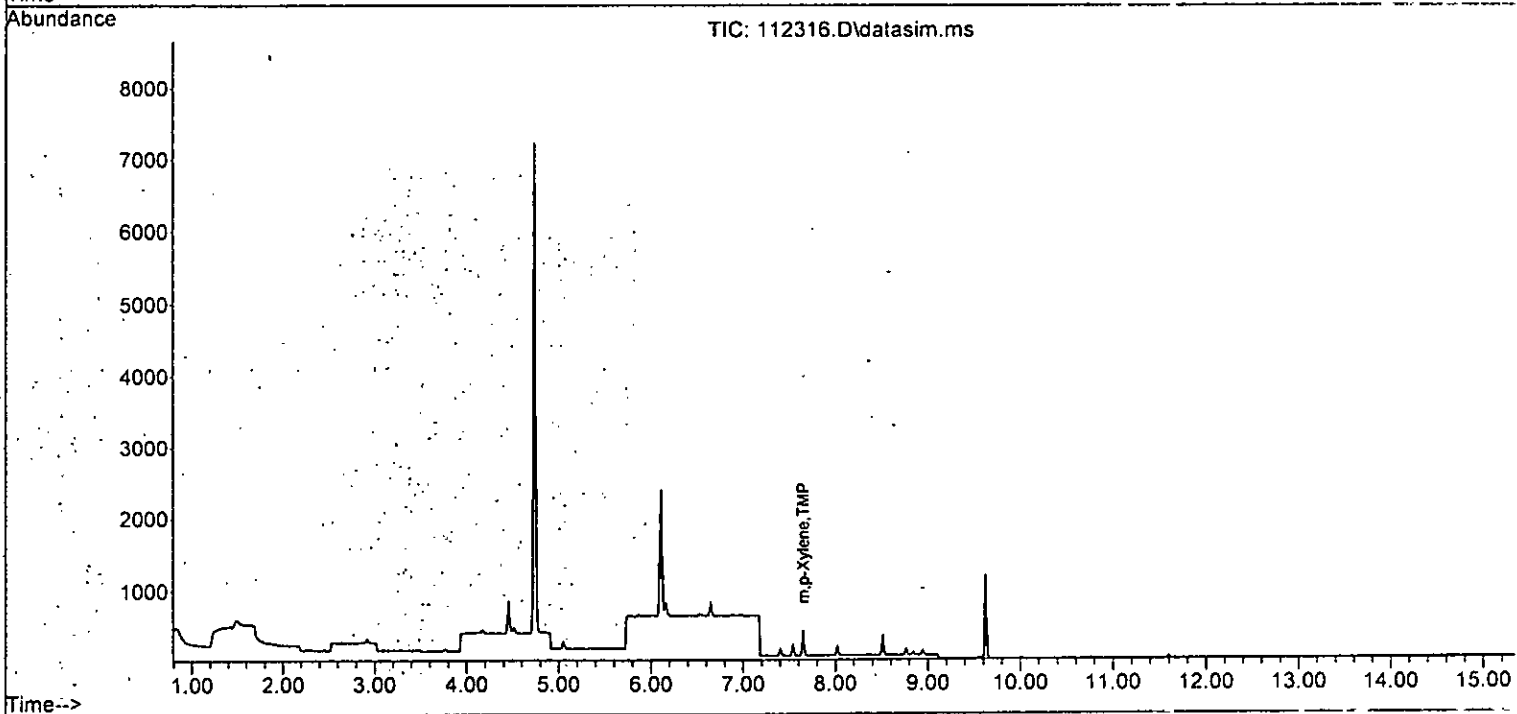
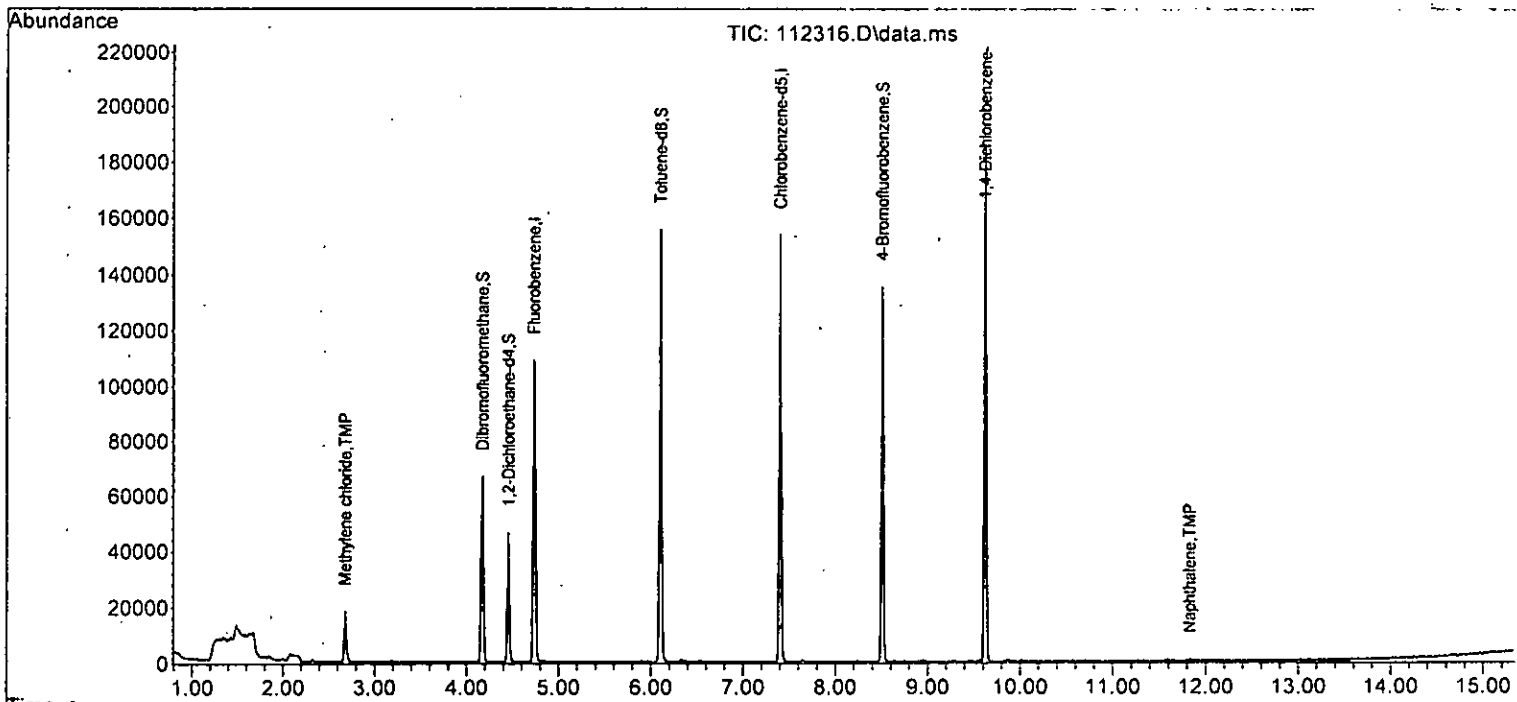
Quant Time: Nov 28 13:48:10 2022
 Quant Method : Y:\Methods\Inst13\VB112222ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed Nov 23 09:07:37 2022
 Response via : Initial Calibration
 DataAcq Meth: VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.00		0		N.D.	
38) cis-1,3-Dichloropropene	0.00		0		N.D.	
40) Toluene	6.16	92	88		N.D.	
41) trans-1,3-Dichloropropene	0.00		0		N.D.	
42) 1,1,2-Trichloroethane	6.53	83	40		N.D.	
43) 2-Hexanone	6.67	43	41		N.D.	
44) 1,3-Dichloropropane	0.00		0		N.D.	
45) Tetrachloroethene	6.65	164	72		N.D.	
46) Dibromochloromethane	0.00		0		N.D.	
47) 1,2-Dibromoethane (EDB)	0.00		0		N.D.	
48) Chlorobenzene	0.00		0		N.D.	
49) Ethylbenzene	7.54	91	169		N.D.	
50) 1,1,1,2-Tetrachloroethane	0.00		0		N.D.	
51) m,p-Xylene	7.65	106	187	0.024	ppb	97
52) o-Xylene	8.02	106	69		N.D.	
53) Styrene	8.03	104	35		N.D.	
54) Isopropylbenzene	0.00		0		N.D.	
55) Bromoform	0.00		0		N.D.	
58) n-Propylbenzene	8.76	91	94		N.D.	
59) Bromobenzene	8.65	156	61		N.D.	
60) 1,3,5-Trimethylbenzene	8.94	105	55		N.D.	
61) 1,1,2,2-Tetrachloroethane	0.00		0		N.D.	
62) 1,2,3-Trichloropropane	0.00		0		N.D.	d
63) 2-Chlorotoluene	8.76	91	94		N.D.	
64) 4-Chlorotoluene	8.95	91	135		N.D.	
65) tert-Butylbenzene	0.00		0		N.D.	
66) 1,2,4-Trimethylbenzene	9.29	105	148		N.D.	
67) sec-Butylbenzene	9.46	105	93		N.D.	
68) p-Isopropyltoluene	9.60	119	129		N.D.	
69) 1,3-Dichlorobenzene	9.56	146	252		N.D.	
70) 1,4-Dichlorobenzene	9.56	146	252		N.D.	
71) 1,2-Dichlorobenzene	10.00	146	43		N.D.	
72) 1,2-Dibromo-3-chloropr...	0.00		0		N.D.	
73) 1,2,4-Trichlorobenzene	11.59	180	303		N.D.	
74) Hexachlorobutadiene	11.79	225	28		N.D.	
75) Naphthalene	11.83	128	454	0.049	ppb	69
76) 1,2,3-Trichlorobenzene	12.07	180	93		N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS13\11-23-22\
 Data File : 112316.D
 Acq On : 23 Nov 2022 07:16 pm
 Operator : LM
 Sample : 211162-12
 Misc : water
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 28 13:48:10 2022
 Quant Method : Y:\Methods\Inst13\VB112222ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Wed Nov 23 09:07:37 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



F&B Project 211213

Chain of Custody, Shipping & Receiving Documents, Sample Condition Checklist

SAMPLE CHAIN OF CUSTODY

11/15/22 B11VS-C2/VW1

Report To LAB DATA ATTACH @ ANCHOR Q&A .COM

Company Anchor Q&A

Address 1201 3rd AVE # 2600
 City, State, ZIP Seattle, WA 98101
 Phone 206 7819130 Email LAB DATA ATTACH @ ANCHOR Q&A .COM

211213

ANCHOR Q&A

PROJECT NAME
CHASSON CLEANTIES
REINFORCER INVESTIGATION

PO #
212280-01.01

REMARKS
SET APP, SUBST HERE
FORME

INVOICE TO
LAB DATA ATTACH @ ANCHOR Q&A .COM

Page # 1 of 2

TURNAROUND TIME

Standard turnaround
 RUSH
 Rush charges authorized by: _____

SAMPLE DISPOSAL

Archive samples
 Other
 Default: Dispose after 30 days

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	ANALYSES REQUESTED							Notes		
						NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082		Total Solids	
CC-MW-4D-SO-39-20221114	D1 A-E	11/14/22	1005	SO	5					X					
CC-MW-4D-SO-9-20221114	02		1015							X					
CC-MW-4D-SO-12-20221114	03		1020							X					
CC-MW-4D-SO-20-20221114	04		1035							X					
CC-IBW-D4			1030												
CC-MW-4D-SO-23-20221114	05		1045							X					
CC-MW-4D-SO-26-20221114	06		1050	↓	↓					X					
TB-20221114	07 A-B			H2O	2					X					YTP BOWL
CC-MW-4D-SO-33-20221114	08 A-F		1115	SO	5					X					
CC-MW-4D-SO-62-20221114	09		1440	SO	5					X					

SIGNATURE		PRINT NAME		COMPANY		DATE	TIME
Relinquished by:	<u>Stephen Smertz</u>	Stephen Smertz		Anchor Q&A		11-15-22	11:37
Received by:	<u>AME</u>	AMHPHAN		ESB		11/15/22	11:37
Relinquished by:							
Received by:							

Friedman & Bruya, Inc.
 Ph. (206) 285-8282

Received by: _____ Samples received at 4 °C

211213

SAMPLE CHAIN OF CUSTODY

11/15/22

B1/VS-C2/1W1

Report To TRANSFER WASTEWATER

Company ANCHOR GEA

Address 1201 3rd AVE #2600

City, State, ZIP Seattle, WA 98101

Phone 206 287 9132 Email ANCHOR.GEA@CAN

SAMPLERS (signature) Stephen Smeth

PROJECT NAME CRISON CLEANWAS PO # 21280-0101

REMARKS RENEWAL FINESTRIATION

INVOICE TO NO DATA ATTACH

Page # 2 of 2

TURNAROUND TIME Standard turnaround RUSH Rush charges authorized by: _____

SAMPLE DISPOSAL Archive samples Other Defaults: Dispose after 30 days

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	ANALYSES REQUESTED							Notes							
						NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082		Total Solids						
CC-MW-4D-SO-68-20221114	10A-6	11/14/22	1455	SO	5															
CC-MW-4D-SO-74-20221114	11	11/14/22	1500	SO	5															
CC-MW-4D-SO-77-20221114	12	11/14/22	1520	SO	5															

Friedman & Bruya, Inc.
Ph. (206) 285-8282

SIGNATURE		PRINT NAME		COMPANY		DATE	TIME
Relinquished by: <u>Stephen Smeth</u>		Stephen Smeth		Anchor GEA		11-15-22	11:57
Received by: <u>AWH</u>		AWH PHAN		ESB		11/15/22	11:37
Relinquished by:							
Received by:							

Samples received at 4 o'clock

SAMPLE CONDITION UPON RECEIPT CHECKLIST

PROJECT # 211213 CLIENT Anchor INITIALS/ DATE: AP 11/15/22

If custody seals are present on cooler, are they intact? NA YES NO

Cooler/Sample temperature _____ 4 °C

Were samples received on ice/cold packs? YES NO

How did samples arrive? Over the Counter
 Picked up by F&BI
 FedEx/UPS/GSO

Number of days samples have been sitting prior to receipt at laboratory 1 days

Is there a Chain-of-Custody* (COC)? YES NO
*or other representative documents, letters, and/or shipping memos

Are the samples clearly identified? (explain "no" answer below) YES NO

Is the following information provided on the COC* ? (explain "no" answer below)

Sample ID's	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	# of Containers	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Date Sampled	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Relinquished	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Time Sampled	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Requested analysis	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No

Were all sample containers received intact (i.e. not broken, leaking etc.)? (explain "no" answer below) YES NO

Were appropriate sample containers used? YES NO Unknown

If custody seals are present on samples, are they intact? NA YES NO

Are samples requiring no headspace, headspace free? NA YES NO

Air Samples: Were any additional canisters received? NA YES NO

If Yes, number of unused 1L canisters _____
 number of unused 6L canisters _____

B 11/15

Explain "no" items from above (use the back if needed)

Percent Solids

Sample ID	Wet Weight	Dry Weight + Pan	Pan Weight	Solids	Solids Ratio	Moisture	% Moisture	Last Weighing
211213-01	10	10.3	1.3	0.90	1.11	0.10	10	11/21/2022
211213-02	10	10.6	1.3	0.93	1.08	0.07	7	11/21/2022
211213-03	10	9.9	1.3	0.86	1.16	0.14	14	11/21/2022
211213-04	10	9.6	1.3	0.83	1.20	0.17	17	11/21/2022
211213-05	10	9.3	1.3	0.80	1.25	0.20	20	11/21/2022
211213-06	10	10	1.3	0.87	1.15	0.13	13	11/21/2022
211213-08	10	10.2	1.3	0.89	1.12	0.11	11	11/21/2022
211213-09	10	10.7	1.3	0.94	1.06	0.06	6	11/21/2022
211213-10	10	10.1	1.3	0.88	1.14	0.12	12	11/21/2022
211213-11	10	10.4	1.3	0.91	1.10	0.09	9	11/21/2022
211213-12	10	10.3	1.3	0.90	1.11	0.10	10	11/21/2022

Laboratory Worksheets

VOC EXTRACTION WORKSHEET (WATER)

HT _____

Project #: 211213
 Client: Amkor
 QC Batch ID: 2769
 Samples checked against COC JM

Date Received: 11/15/22
 Date Extracted: NOV 18 '22 PM7:16
 Date Analyzed: _____
 GCMS 4 11 13, Seq. Date _____

Analysis Method: <input checked="" type="checkbox"/> 8260 <input type="checkbox"/> 8260 SIM <input type="checkbox"/> 524.2 SIM <input type="checkbox"/> Other _____	Requested Analytes: <input type="checkbox"/> 8260 Normal List <input type="checkbox"/> MTBE <input type="checkbox"/> cVOCs <input checked="" type="checkbox"/> PCE/Daughters	<input type="checkbox"/> BTEX <input type="checkbox"/> BTEX+N <input type="checkbox"/> 524.2 Normal List <input type="checkbox"/> Other _____	Reporting Units: <input checked="" type="checkbox"/> µg/L (ppb) <input type="checkbox"/> Other _____
Due Date: <u>11/16/22</u>		Extraction Method: <input checked="" type="checkbox"/> 5030 <input type="checkbox"/> ve's not Acceptable <input type="checkbox"/> Dilutions Not Acceptable for Non-Detects <input type="checkbox"/> Need EDF	

Sample ID	pH	Sample Volume (mL)	Final Volume (mL)	Dilutions		Dilution Factor	Foamy Sample	Observations
				Amt. Extract	Amt. Solvent			
07 A	~7.5	~100	~100		mL			TCE - 0.05
"11/18/22 JM								PCE -
								11/18/22 JM
								VC - 0.02
								TB

Initials _____

	✓	Volume	Conc. (ppm)	Compound(s)	Lot #	Initials	Date
Solvent		NA	NA	DI Water			
Other							
Internal Standard(s)/ Surrogate(s)		100 µl	250	Surrogate mix			
	X	10 ppm Surr/IS Mix spiked at instr. to yield 10 ppb			67-148A	JM	"11/18/22
		25 ppm Surr/IS Mix spiked at instr. to yield 5 ppb					

Project Leader Initials: JM NOTES: TB

Calculated by JM 11.21.22 Reviewed by "11/21/22 JM

VOC EXTRACTION WORKSHEET (SOIL)

HT _____

Project #: 211213
 Client: Anchor
 QC Batch ID: 2768 + 2765
 Samples checked against COC ✓

Date Received: 11/15/22
 Date Extracted: NOV 18 '22 AM 9:57
 Date Analyzed: 11-19-22
 GCMS 4 13, Seq. Date ✓

Analysis Method: <input checked="" type="checkbox"/> 8260 <input type="checkbox"/> 8260 SIM <input type="checkbox"/> 8260 Direct Sparge <input type="checkbox"/> Other _____	Requested Analytes: <input type="checkbox"/> 8260 Normal List <input checked="" type="checkbox"/> PCE+Daughters <input type="checkbox"/> RBDM VOCs <input type="checkbox"/> BTEX N	Reporting Units: <input checked="" type="checkbox"/> mg/kg (ppm) <input type="checkbox"/> Other _____ <input type="checkbox"/> ve's not Acceptable <input type="checkbox"/> Dilutions Not Acceptable for Non-Detects <input type="checkbox"/> Need EDF	Extraction Method: <input checked="" type="checkbox"/> 5035 <input type="checkbox"/> Other _____
Due Date: <u>11/22</u>		RL - 0.005 mg/kg	

Sample ID	Total Container Weight	Container Tare Weight	Sample Weight	Extraction Solvent Volume	Dilutions		Dilution Factor	Observations
					Amt. Extract	Amt. Solvent		
01 b	36.99	29.41 29.46	7.53	2.5	860	43 mL		
02	37.82	29.12	8.70					
03	37.58	29.10	8.48					
04	35.91	29.53	6.38					
05	35.81	29.32	6.49					
06	37.93	29.55	8.38					
08	36.70	29.58	7.12					cc
09	35.94	29.43	6.51					
10	37.77	29.25	8.52					
11	37.69	29.45	8.24					
12	38.82	29.64	9.18					
08 BTK	37.02	29.48	7.54					(X) NO VOL LEFT

Initials: 11/19/22 OAT

	✓	Volume	Conc. (ppm)	Compound(s)	Lot #	Initials	Date
Solvent	x	NA	NA	Methanol	225-36	OAT	11/18/22
Other							
Internal Standard(s)/ Surrogate(s)		100 µl	250	Surrogate mix			
	x	10 ppm Surr/IS Mix spiked at instr. to yield 10 ppb			67-148A		
	,	50 ppm Surr/IS Mix spiked at instr. to yield 10 ppb					

Project Leader Initials: MG

Calculated by M 11.22.22 Reviewed by YA 11/23/22

BATCH ORGANIC EXTRACTION WORKSHEET

Date Extracted: 11-18-22

Technician: W

QA Batch: **02-2769**

Matrix

- Soil
- Water
- Product
- Wipe
- Other

Solvent

- Methylene Chloride
- Acetone
- Methanol
- Hexane
- Other

Solvent
Lot # _____

Analysis

- Diesel
- 8270 SIM
- PCB
- Gas/BTEX
- 8270
- Organic Lead
- HCID
- 8260
- Methamphetamine
- Other

Clean Up: Florsil (FL) Copper (Cu)

Silica Filtration H₂SO₄ Other

Sample ID	pH Waters only	Sample Weight/Volume	Extraction Solvent Volume	Final Volume	Dilutions		Clean Up (Circle)			Observations
					Amt. Extract	Amt. Solvent	Silica	FL	Cu	
LCS		43	43							
LCS D										
211200-12 MS										
MS D										
MS										
WV 11/18/22										

Initials

Samples in Batch

211273-01	211245-01	1-31	03	07
211237-06	211200-12	1-25	04	08
211213-07	1-21	211254-01	05	09
211241-01	1-24	1-02	06	10

Date/Initials

Matrix Spikes:

8.6 µL of 50 ppm of 8260 LCS/MS
Amount Concentration Analytes and Solvent

Lot # 67.192 W 11/18

Matrix Spikes:

_____ µL of _____ ppm of _____
Amount Concentration Analytes and Solvent

Lot # _____

Surrogates:

5 µL of 10 ppm of 8260 LCS/MS
Amount Concentration Analytes and Solvent

Lot # 67.149

Internal Standards:

_____ µL of _____ ppm of _____
Amount Concentration Analytes and Solvent

Lot # _____

Notes:

BATCH ORGANIC EXTRACTION WORKSHEET

Date Extracted: 11/19/22 13:29

Technician: JLM

NOV 19 '22 PM 1:29

QA Batch: **02-2765**

Matrix

- Soil
- Water
- Product
- Wipe
- Other _____

Solvent

- Methylene Chloride
- Acetone
- Methanol
- Hexane
- Other _____

Solvent Lot # U536

Analysis

- Diesel
- 8270 SIM
- PCB
- Gas/BTEX
- 8270
- Organic Lead
- HCID
- 8260
- Methamphetamine
- Other _____

Clean Up: Florsil (FL) Copper (Cu)
 Silica Filtration H₂SO₄ Other

Sample ID	pH Waters only	Sample Weight/Volume	Extraction Solvent Volume	Final Volume	Dilutions		Clean Up (Circle)			Observations
					Amt. Extract	Amt. Solvent	Silica	FL Filter	Cu H ₂ SO ₄	
MB		5g	2.5mL		215µL	43mL				
U5		↓	↓		↓	↓				
211285 -01 MB		↓	↓		↓	↓				
↓ MB		↓	↓		↓	↓				
11/19/22 JLM										
MB 10.25		↓	↓		860µL	43mL				
11/19/22 JLM										

Initials _____

Samples in Batch:

211274	-01		-05		-09	↓	-13	211213	-08
	-02		-06		-10	211285	-01		
	-03		-07		-11	211285	-02	11/19 JLM	
	-04		-08		-12	211249	-01		

Matrix Spikes:

100 µL of 50 ppm of 8260 CW/US
 Amount Concentration Analytes and Solvent

68.4A
 Lot # 67-197A Date/Initials 11/19/22 JLM

Matrix Spikes:

____ µL of _____ ppm of _____
 Amount Concentration Analytes and Solvent

Lot # _____

Surrogates:

5 µL of 10 ppm of 8260 IS/SURR
 Amount Concentration Analytes and Solvent

Lot # 67-148A

Internal Standards:

2 µL of _____ ppm of _____
 Amount Concentration Analytes and Solvent

Lot # _____

Notes:

BATCH ORGANIC EXTRACTION WORKSHEET

Date Extracted: 11/18/22

Technician: JM/LM

QA Batch: **02-2768**

- | | | | |
|--|--|---------------------------------------|---|
| Matrix
<input checked="" type="checkbox"/> Soil
<input type="checkbox"/> Water
<input type="checkbox"/> Product
<input type="checkbox"/> Wipe
<input type="checkbox"/> Other _____ | Solvent
<input type="checkbox"/> Methylene Chloride
<input type="checkbox"/> Acetone
<input checked="" type="checkbox"/> Methanol
<input type="checkbox"/> Hexane
<input type="checkbox"/> Other _____ | Solvent
Solvent Lot # _____ | Analysis
<input type="checkbox"/> Diesel
<input type="checkbox"/> Gas/BTEX
<input type="checkbox"/> HCID
<input type="checkbox"/> 8270 SIM
<input type="checkbox"/> 8270
<input checked="" type="checkbox"/> 8260
<input type="checkbox"/> PCB
<input type="checkbox"/> Organic Lead
<input type="checkbox"/> Methamphetamine
<input type="checkbox"/> Other _____ |
|--|--|---------------------------------------|---|
- Clean Up: Florisil (FL) Copper (Cu)
 Silica Filtration H₂SO₄ Other _____

Sample ID	pH Waters only	Sample Weight/Volume	Extraction Solvent Volume	Final Volume	Dilutions		Clean Up (Circle)			Observations
					Amt. Extract	Amt. Solvent	Silica	Filter	H ₂ SO ₄	
MB		5g	2.5mL		25µL	43mL				
LS										
21195 -08 MS										
L	MS									
11/18/22 JM										
MS 4025					860µL	43mL				
11/18/22 JM										
Initials										

Samples in Batch

211213 -01		-05		-20	21195	-08	21188	-02
		-06		-10		-17		
		-07		-11		-19		
		-08		-12		-20		

Date/Initials

Matrix Spikes:
 Amount 100 µL of 50 ppm of 8260 LS/LM
 Concentration Analytes and Solvent

Lot # 67-192A 11/18/22 JM

Matrix Spikes:
 Amount _____ µL of _____ ppm of _____
 Concentration Analytes and Solvent

Lot # _____

Surrogates:
 Amount 1 µL of 50 ppm of 8260 IS/SUR
 Concentration Analytes and Solvent

Lot # 67-29A

Internal Standards:
 Amount _____ µL of _____ ppm of _____
 Concentration Analytes and Solvent

Lot # _____

Notes:

EPA 8260D
MDLs

Reported MDL Data and Calculations

Analyst fill in all below (attach extraction worksheet(s))

Analysis: 8260 Standard(s) spiked: 63-150A, 64-93A, 65-52A, 65-56A, 65-90A
 Matrix: Soil Volume spiked: 2.5uL into 2.5mL MeOH, 25uL into 2.475mL MeOH
 Instrument ID: GCMS #4 Date(s) Extracted: 06/04/21, 06/08/21, 08/30/21, 08/31/21, 12/06/22, 12/09/21,
 Reporting Units: mg/kg Date(s) Analyzed: 06/04/21, 06/08/21, 08/30/21, 08/31/21, 12/06/22, 12/09/21,
 Date Calculated: 6/9/2021, 09/24/21, 12/07/21, 12/10/21, 01/13/22, 03/30/21,
 Calculation Analyst: JCM, WE, AS, AEN, RF

Analyte	(StdDev*2.998)	(2*MDL)	(5*MDL)	Std Dev	Mean	Spike Level	% Rec.
	MDL	PQL	PQL				
Ethanol							
Dichlorodifluoromethane	0.105	0.210	0.526	0.035	0.144	0.250	57.575
Chloromethane	0.065	0.130	0.326	0.022	0.196	0.250	78.235
Vinyl chloride	0.017	0.034	0.086	0.006	0.018	0.025	71.950
Bromomethane	0.301	0.602	1.506	0.100	0.259	0.250	103.715
Chloroethane	0.074	0.149	0.372	0.025	0.246	0.250	98.465
Trichlorofluoromethane	0.024	0.048	0.120	0.008	0.026	0.025	105.029
2-Propanol							
Acetone	1.254	2.507	6.268	0.418	1.058	1.250	84.653
1,1-Dichloroethene	0.019	0.038	0.096	0.006	0.023	0.025	91.650
Hexane	0.126	0.251	0.628	0.042	0.260	0.250	103.885
Methylene chloride	0.338	0.676	1.690	0.113	0.326	0.250	130.305
t-Butyl alcohol (TBA)	0.492	0.984	2.460	0.164	1.316	1.250	105.265
Methyl t-butyl ether (MTBE)	0.018	0.036	0.089	0.006	0.023	0.025	91.050
trans-1,2-Dichloroethene	0.010	0.020	0.049	0.003	0.025	0.025	99.400
Diisopropyl ether (DIPE)	0.007	0.014	0.035	0.002	0.025	0.025	100.450
1,1-Dichloroethane	0.011	0.021	0.053	0.004	0.025	0.025	99.350
Ethyl t-butyl ether (ETBE)	0.010	0.020	0.049	0.003	0.024	0.025	97.257
2,2-Dichloropropane	0.015	0.029	0.074	0.005	0.028	0.025	112.200
cis-1,2-Dichloroethene	0.011	0.022	0.056	0.004	0.026	0.025	103.300
Chloroform	0.013	0.026	0.065	0.004	0.027	0.025	106.500
2-Butanone (MEK)	0.647	1.295	3.237	0.216	1.101	1.250	88.093
t-Amyl methyl ether (TAME)	0.010	0.019	0.048	0.003	0.025	0.025	101.371
1,2-Dichloroethane (EDC)	0.014	0.029	0.072	0.005	0.027	0.025	107.900
1,1,1-Trichloroethane	0.011	0.021	0.053	0.004	0.026	0.025	102.600
1,1-Dichloropropene	0.011	0.022	0.054	0.004	0.025	0.025	98.050
Carbon tetrachloride	0.005	0.010	0.025	0.002	0.023	0.025	92.286
Benzene	0.009	0.019	0.046	0.003	0.027	0.025	106.950
Trichloroethene	0.013	0.025	0.063	0.004	0.025	0.025	100.200
1,2-Dichloropropane	0.008	0.015	0.038	0.003	0.026	0.025	103.900
Bromodichloromethane	0.008	0.015	0.038	0.003	0.026	0.025	103.500
Dibromomethane	0.013	0.025	0.063	0.004	0.023	0.025	93.350
4-Methyl-2-pentanone	0.061	0.121	0.303	0.020	0.135	0.125	108.217
cis-1,3-Dichloropropene	0.008	0.017	0.042	0.003	0.025	0.025	99.900
Toluene	0.009	0.019	0.046	0.003	0.025	0.025	101.500
trans-1,3-Dichloropropene	0.010	0.021	0.052	0.003	0.025	0.025	101.886
1,1,2-Trichloroethane	0.005	0.009	0.023	0.002	0.025	0.025	98.900
2-Hexanone	0.036	0.072	0.180	0.012	0.127	0.125	101.954
1,3-Dichloropropane	0.009	0.019	0.047	0.003	0.025	0.025	101.350
Tetrachloroethene	0.010	0.020	0.050	0.003	0.027	0.025	106.400
Dibromochloromethane	0.014	0.027	0.068	0.005	0.021	0.025	85.943
1,2-Dibromoethane (EDB)	0.008	0.016	0.040	0.003	0.024	0.025	97.800
Chlorobenzene	0.007	0.015	0.037	0.002	0.026	0.025	104.100
Ethylbenzene	0.010	0.020	0.049	0.003	0.026	0.025	105.050
1,1,1,2-Tetrachloroethane	0.007	0.015	0.037	0.002	0.024	0.025	96.629
m,p-Xylene	0.019	0.039	0.097	0.006	0.053	0.050	106.857
o-Xylene	0.011	0.022	0.056	0.004	0.025	0.025	101.100
Styrene	0.010	0.020	0.049	0.003	0.025	0.025	100.000
Isopropylbenzene	0.009	0.018	0.044	0.003	0.026	0.025	103.150
Bromoform	0.015	0.031	0.077	0.005	0.024	0.025	97.886
n-Propylbenzene	0.013	0.026	0.066	0.004	0.026	0.025	104.200
Bromobenzene	0.012	0.025	0.062	0.004	0.025	0.025	101.100
1,3,5-Trimethylbenzene	0.011	0.022	0.055	0.004	0.026	0.025	102.700
1,1,2,2-Tetrachloroethane	0.011	0.023	0.057	0.004	0.026	0.025	104.100
1,2,3-Trichloropropane	0.009	0.019	0.046	0.003	0.025	0.025	99.350
2-Chlorotoluene	0.012	0.024	0.060	0.004	0.026	0.025	102.600
4-Chlorotoluene	0.011	0.021	0.053	0.004	0.026	0.025	104.650
tert-Butylbenzene	0.013	0.026	0.064	0.004	0.025	0.025	101.750
1,2,4-Trimethylbenzene	0.010	0.020	0.051	0.003	0.026	0.025	105.050
sec-Butylbenzene	0.010	0.020	0.049	0.003	0.026	0.025	104.800
p-Isopropyltoluene	0.011	0.023	0.056	0.004	0.027	0.025	106.250
1,3-Dichlorobenzene	0.012	0.023	0.058	0.004	0.026	0.025	104.400
1,4-Dichlorobenzene	0.012	0.023	0.058	0.004	0.027	0.025	107.900
1,2-Dichlorobenzene	0.012	0.025	0.062	0.004	0.026	0.025	102.850
1,2-Dibromo-3-chloropropane	0.016	0.033	0.082	0.005	0.020	0.025	81.680
1,2,4-Trichlorobenzene	0.013	0.027	0.067	0.004	0.026	0.025	105.429
Hexachlorobutadiene	0.016	0.031	0.078	0.005	0.028	0.025	112.686
Naphthalene	0.014	0.027	0.068	0.005	0.025	0.025	101.100
1,2,3-Trichlorobenzene	0.012	0.024	0.061	0.004	0.026	0.025	105.200

Reported MDL Data and Calculations

Analyst fill in all below (attach extraction worksheet(s))

Analysis: 8260 Standard(s) spiked: 63-124A, 63-150A, 64-93A, 65-52A, 65-56
 Matrix: Soil Volume spiked: 25uL into 5g of sand and 2.4755mL MeOH
 Instrument ID: GCMS #11 Date(s) Extracted: 05/04/21, 05/26/21, 07/13/21, 08/31/21, 12
 Reporting Units: mg/kg Date(s) Analyzed: 05/04/21, 05/26/21, 07/13/21, 08/31/21, 12
 Date Calculated: 6/3/2021, 09/24/21, 12/09/21, 12/10/21, 02
 Calculation Analyst: JCM, WE, AS

Analyte	(StdDev*2.998)	(2*MDL)	(5*MDL)	Std Dev	Mean	Spike Level	% Rec.
	MDL	PQL	PQL				
Ethanol							
Dichlorodifluoromethane	0.01582	0.032	0.079	0.005	0.019	0.025	76
Chloromethane	0.22570	0.451	1.128	0.075	0.181	0.250	73
Vinyl chloride	0.00240	0.005	0.012	0.001	0.004	0.005	78
Bromomethane	0.23349	0.467	1.167	0.078	0.200	0.250	80
Chloroethane	0.01175	0.024	0.059	0.004	0.024	0.025	96
Trichlorofluoromethane	0.01044	0.021	0.052	0.003	0.025	0.025	100
2-Propanol							
Acetone	1.01283	2.026	5.064	0.338	1.544	1.250	124
1,1-Dichloroethene	0.00223	0.004	0.011	0.001	0.010	0.010	97
Hexane	0.02078	0.042	0.104	0.007	0.029	0.025	115
Methylene chloride	0.31529	0.631	1.576	0.105	0.193	0.250	77
t-Butyl alcohol (TBA)	0.39052	0.781	1.953	0.130	1.269	1.250	102
Methyl t-butyl ether (MTBE)	0.00116	0.002	0.006	0.000	0.005	0.005	102
trans-1,2-Dichloroethene	0.00191	0.004	0.010	0.001	0.006	0.005	114
Diisopropyl ether (DIPE)	0.00558	0.011	0.028	0.002	0.025	0.025	100
1,1-Dichloroethane	0.00114	0.002	0.006	0.000	0.005	0.005	105
Ethyl t-butyl ether (ETBE)	0.00685	0.014	0.034	0.002	0.024	0.025	96
2,2-Dichloropropane	0.01300	0.026	0.065	0.004	0.023	0.025	93
cis-1,2-Dichloroethene	0.00134	0.003	0.007	0.000	0.005	0.005	110
Chloroform	0.00441	0.009	0.022	0.001	0.012	0.010	119
2-Butanone (MEK)	0.70451	1.409	3.523	0.235	1.410	1.250	113
t-Amyl methyl ether (TAME)	0.00761	0.015	0.038	0.003	0.024	0.025	98
1,2-Dichloroethane (EDC)	0.00395	0.008	0.020	0.001	0.010	0.010	105
1,1,1-Trichloroethane	0.00122	0.002	0.006	0.000	0.005	0.005	104
1,1-Dichloropropene	0.00483	0.010	0.024	0.002	0.027	0.025	106
Carbon tetrachloride	0.01044	0.021	0.052	0.003	0.009	0.010	92
Benzene	0.00097	0.002	0.005	0.000	0.005	0.005	106
Trichloroethene	0.00371	0.007	0.019	0.001	0.005	0.005	109
1,2-Dichloropropane	0.00960	0.019	0.048	0.003	0.025	0.025	100
Bromodichloromethane	0.00582	0.012	0.029	0.002	0.010	0.010	99
Dibromomethane	0.01140	0.023	0.057	0.004	0.027	0.025	108
4-Methyl-2-pentanone	0.37391	0.748	1.870	0.125	1.222	1.250	98
cis-1,3-Dichloropropene	0.00766	0.015	0.038	0.003	0.024	0.025	96
Toluene	0.00318	0.006	0.016	0.001	0.010	0.010	101
trans-1,3-Dichloropropene	0.00918	0.018	0.046	0.003	0.025	0.025	99
1,1,2-Trichloroethane	0.00180	0.004	0.009	0.001	0.010	0.010	104
2-Hexanone	0.40120	0.802	2.006	0.134	1.236	1.250	99
1,3-Dichloropropane	0.00625	0.012	0.031	0.002	0.011	0.010	112
Tetrachloroethene	0.00221	0.004	0.011	0.001	0.005	0.005	94
Dibromochloromethane	0.01103	0.022	0.055	0.004	0.024	0.025	97
1,2-Dibromoethane (EDB)	0.00218	0.004	0.011	0.001	0.011	0.010	106
Chlorobenzene	0.00253	0.005	0.013	0.001	0.011	0.010	115
Ethylbenzene	0.00221	0.004	0.011	0.001	0.005	0.005	105
1,1,1,2-Tetrachloroethane	0.00423	0.008	0.021	0.001	0.011	0.010	112
m,p-Xylene	0.00434	0.009	0.022	0.001	0.011	0.010	105
o-Xylene	0.00163	0.003	0.008	0.001	0.005	0.005	105
Styrene	0.00415	0.008	0.021	0.001	0.011	0.010	110
Isopropylbenzene	0.00309	0.006	0.015	0.001	0.010	0.010	104
Bromoform	0.01320	0.026	0.066	0.004	0.023	0.025	91
n-Propylbenzene	0.00433	0.009	0.022	0.001	0.011	0.010	114
Bromobenzene	0.00966	0.019	0.048	0.003	0.027	0.025	108
1,3,5-Trimethylbenzene	0.00344	0.007	0.017	0.001	0.011	0.010	109
1,1,2,2-Tetrachloroethane	0.00623	0.012	0.031	0.002	0.025	0.025	101
1,2,3-Trichloropropane	0.01137	0.023	0.057	0.004	0.027	0.025	108
2-Chlorotoluene	0.00576	0.012	0.029	0.002	0.026	0.025	104
4-Chlorotoluene	0.00580	0.012	0.029	0.002	0.025	0.025	101
tert-Butylbenzene	0.00247	0.005	0.012	0.001	0.011	0.010	107
1,2,4-Trimethylbenzene	0.00330	0.007	0.016	0.001	0.011	0.010	106
sec-Butylbenzene	0.00305	0.006	0.015	0.001	0.011	0.010	107
p-Isopropyltoluene	0.00428	0.009	0.021	0.001	0.011	0.010	108
1,3-Dichlorobenzene	0.00339	0.007	0.017	0.001	0.011	0.010	115
1,4-Dichlorobenzene	0.00512	0.010	0.026	0.002	0.012	0.010	119
1,2-Dichlorobenzene	0.00478	0.010	0.024	0.002	0.012	0.010	116
1,2-Dibromo-3-chloropropane	0.06478	0.130	0.324	0.022	0.241	0.250	96
1,2,4-Trichlorobenzene	0.01119	0.022	0.056	0.004	0.012	0.010	122
Hexachlorobutadiene	0.00718	0.014	0.036	0.002	0.012	0.010	125
Naphthalene	0.01299	0.026	0.065	0.004	0.027	0.025	107
1,2,3-Trichlorobenzene	0.06474	0.129	0.324	0.022	0.235	0.250	94

Reported MDL Data and Calculations

Analyst fill in all below (attach extraction worksheet(s))

Analysis: 8260 Standard(s) spiked: 63-150A, 63-166A, 65-52A, 65-56A
 Matrix: Soil Volume spiked: 1/2.5/25 uL into 5g sand and 2.5/2.5/2.475 mL MeOH
 Instrument ID: GCMS #13 Date(s) Extracted: 05/27/21, 05/28/21, 06/07/21, 06/08/21, 12/02/21, 12
 Reporting Units: mg/kg Date(s) Analyzed: 05/27/21, 05/28/21, 06/07/21, 06/08/21, 12/02/21, 12
 Date Calculated: 06/01/21, 06/09/21, 12/07/21, 12/10/21, 12/13/21
 Calculation Analyst: JCM, WE, AEN, AS

Analyte	(StdDev*2.998)	(2*MDL)	(5*MDL)	Std Dev	Mean	Spike Level	% Rec.
	MDL	PQL	PQL				
Ethanol							
Dichlorodifluoromethane	0.0104	0.021	0.052	0.003	0.014	0.025	55
Chloromethane	0.0193	0.039	0.096	0.006	0.020	0.025	79
Vinyl chloride	0.0019	0.004	0.009	0.001	0.004	0.005	86
Bromomethane	0.1564	0.313	0.782	0.052	0.247	0.250	99
Chloroethane	0.0193	0.039	0.096	0.006	0.025	0.025	101
Trichlorofluoromethane	0.0109	0.022	0.054	0.004	0.023	0.025	92
2-Propanol							
Acetone	0.8998	1.800	4.499	0.300	1.490	1.250	119
1,1-Dichloroethene	0.0013	0.003	0.007	0.000	0.005	0.005	96
Hexane	0.0243	0.049	0.122	0.008	0.020	0.025	80
Methylene chloride	0.2104	0.421	1.052	0.070	0.283	0.250	113
t-Butyl alcohol (TBA)	0.7124	1.425	3.562	0.238	1.355	1.250	108
Methyl t-butyl ether (MTBE)	0.0033	0.007	0.016	0.001	0.005	0.005	107
trans-1,2-Dichloroethene	0.0020	0.004	0.010	0.001	0.005	0.005	109
Diisopropyl ether (DIPE)	0.0033	0.007	0.017	0.001	0.011	0.010	110
1,1-Dichloroethane	0.0015	0.003	0.007	0.000	0.005	0.005	104
Ethyl t-butyl ether (ETBE)	0.0045	0.009	0.023	0.002	0.010	0.010	102
2,2-Dichloropropane	0.0091	0.018	0.045	0.003	0.011	0.010	112
cis-1,2-Dichloroethene	0.0015	0.003	0.007	0.000	0.005	0.005	107
Chloroform	0.0047	0.009	0.023	0.002	0.011	0.010	113
2-Butanone (MEK)	0.5683	1.137	2.842	0.190	1.343	1.250	107
t-Amyl methyl ether (TAME)	0.0045	0.009	0.022	0.001	0.011	0.010	108
1,2-Dichloroethane (EDC)	0.0028	0.006	0.014	0.001	0.011	0.010	111
1,1,1-Trichloroethane	0.0012	0.002	0.006	0.000	0.005	0.005	103
1,1-Dichloropropene	0.0138	0.028	0.069	0.005	0.025	0.025	99
Carbon tetrachloride	0.0054	0.011	0.027	0.002	0.009	0.010	92
Benzene	0.0013	0.003	0.006	0.000	0.005	0.005	102
Trichloroethene	0.0020	0.004	0.010	0.001	0.011	0.010	106
1,2-Dichloropropane	0.0182	0.036	0.091	0.006	0.010	0.010	102
Bromodichloromethane	0.0038	0.008	0.019	0.001	0.010	0.010	97
Dibromomethane	0.0050	0.010	0.025	0.002	0.013	0.010	125
4-Methyl-2-pentanone	0.5539	1.108	2.770	0.185	1.221	1.250	98
cis-1,3-Dichloropropene	0.0143	0.029	0.071	0.005	0.025	0.025	101
Toluene	0.0013	0.003	0.007	0.000	0.006	0.005	115
trans-1,3-Dichloropropene	0.0180	0.036	0.090	0.006	0.026	0.025	105
1,1,2-Trichloroethane	0.0015	0.003	0.007	0.000	0.005	0.005	104
2-Hexanone	0.1101	0.220	0.550	0.037	0.145	0.125	116
1,3-Dichloropropane	0.0127	0.025	0.064	0.004	0.026	0.025	103
Tetrachloroethene	0.0022	0.004	0.011	0.001	0.006	0.005	119
Dibromochloromethane	0.0146	0.029	0.073	0.005	0.024	0.025	97
1,2-Dibromoethane (EDB)	0.0017	0.003	0.009	0.001	0.010	0.010	103
Chlorobenzene	0.0028	0.006	0.014	0.001	0.011	0.010	114
Ethylbenzene	0.0010	0.002	0.005	0.000	0.005	0.005	106
1,1,1,2-Tetrachloroethane	0.0035	0.007	0.017	0.001	0.010	0.010	101
m,p-Xylene	0.0020	0.004	0.010	0.001	0.010	0.010	104
o-Xylene	0.0007	0.001	0.004	0.000	0.005	0.005	100
Styrene	0.0099	0.020	0.049	0.003	0.023	0.025	91
Isopropylbenzene	0.0104	0.021	0.052	0.003	0.024	0.025	96
Bromoform	0.0151	0.030	0.075	0.005	0.023	0.025	91
n-Propylbenzene	0.0024	0.005	0.012	0.001	0.011	0.010	112
Bromobenzene	0.0118	0.024	0.059	0.004	0.025	0.025	101
1,3,5-Trimethylbenzene	0.0034	0.007	0.017	0.001	0.011	0.010	108
1,1,1,2-Tetrachloroethane	0.0122	0.024	0.061	0.004	0.026	0.025	105
1,2,3-Trichloropropane	0.0188	0.038	0.094	0.006	0.029	0.025	115
2-Chlorotoluene	0.0020	0.004	0.010	0.001	0.011	0.010	112
4-Chlorotoluene	0.0034	0.007	0.017	0.001	0.012	0.010	120
tert-Butylbenzene	0.0029	0.006	0.014	0.001	0.010	0.010	104
1,2,4-Trimethylbenzene	0.0021	0.004	0.010	0.001	0.011	0.010	114
sec-Butylbenzene	0.0029	0.006	0.014	0.001	0.011	0.010	107
p-Isopropyltoluene	0.0027	0.005	0.013	0.001	0.011	0.010	107
1,3-Dichlorobenzene	0.0048	0.010	0.024	0.002	0.012	0.010	116
1,4-Dichlorobenzene	0.0035	0.007	0.018	0.001	0.013	0.010	127
1,2-Dichlorobenzene	0.0032	0.006	0.016	0.001	0.011	0.010	114
1,2-Dibromo-3-chloropropane	0.1257	0.251	0.629	0.042	0.255	0.250	102
1,2,4-Trichlorobenzene	0.0035	0.007	0.017	0.001	0.013	0.010	132
Hexachlorobutadiene	0.0046	0.009	0.023	0.002	0.012	0.010	123
Naphthalene	0.0070	0.014	0.035	0.002	0.013	0.010	126
1,2,3-Trichlorobenzene	0.0132	0.026	0.066	0.004	0.026	0.025	103

Reported MDL Data and Calculations

Analyst fill in all below (attach extraction worksheet(s))

Analysis: 8260 Standard(s) spiked: 63-4A, 63-4B, 63-4C, 63-26A, 63-26B, 63-26C
 Matrix: Water Volume spiked: 4.3 uL (A), 8.6 uL (B), 17.2/43 uL (C)
 Instrument ID: GCMS #13 Date(s) Extracted: 05/27/21, 05/28/21, 06/07/21, 06/08/21, 12/02/21, 12/08/21
 Reporting Units: ug/L Date(s) Analyzed: 05/27/21, 05/28/21, 06/07/21, 06/08/21, 12/02/21, 12/08/21
 Date Calculated: 06/01/21, 06/09/21, 12/07/21, 12/10/21, 4/6/2022, 04/11/22
 Calculation Analyst: JCM, WE, AEN, AS

Analyte	(StdDev*2.998)	(2*MDL)	(5*MDL)	Std Dev	Mean	Spike Level	% Rec.
	MDL	PQL	PQL				
Ethanol							
Dichlorodifluoromethane	0.152	0.305	0.762	0.051	0.200	0.2	100
Chloromethane	1.096	2.191	5.478	0.365	5.441	5	109
Vinyl chloride	0.017	0.035	0.087	0.006	0.025	0.02	124
Bromomethane	1.853	3.707	9.267	0.618	6.097	5	122
Chloroethane	0.220	0.439	1.098	0.073	0.246	0.2	123
Trichlorofluoromethane	0.063	0.126	0.316	0.021	0.245	0.2	122
2-Propanol							
Acetone	4.490	8.980	22.450	1.498	12.426	10	124
1,1-Dichloroethene	0.015	0.031	0.077	0.005	0.056	0.05	112
Hexane	0.197	0.395	0.986	0.066	0.192	0.2	96
Methylene chloride	1.769	3.539	8.847	0.590	6.045	5	121
t-Butyl alcohol (TBA)	7.967	15.934	39.836	2.657	24.852	25	99
Methyl t-butyl ether (MTBE)	0.054	0.109	0.272	0.018	0.061	0.05	121
trans-1,2-Dichloroethene	0.021	0.043	0.106	0.007	0.058	0.05	116
Diisopropyl ether (DIPE)	0.039	0.078	0.195	0.013	0.201	0.2	100
1,1-Dichloroethane	0.013	0.026	0.066	0.004	0.054	0.05	108
Ethyl t-butyl ether (ETBE)	0.028	0.057	0.142	0.009	0.198	0.2	99
2,2-Dichloropropane	0.188	0.376	0.939	0.063	0.255	0.2	128
cis-1,2-Dichloroethene	0.015	0.029	0.073	0.005	0.057	0.05	114
Chloroform	0.049	0.099	0.246	0.016	0.215	0.2	107
2-Butanone (MEK)	1.862	3.723	9.308	0.621	10.875	10	109
t-Amyl methyl ether (TAME)	0.049	0.098	0.245	0.016	0.210	0.2	105
1,2-Dichloroethane (EDC)	0.097	0.194	0.485	0.032	0.229	0.2	114
1,1,1-Trichloroethane	0.012	0.025	0.062	0.004	0.054	0.05	109
1,1-Dichloropropene	0.060	0.120	0.299	0.020	0.199	0.2	100
Carbon tetrachloride	0.110	0.220	0.550	0.037	0.199	0.2	99
Benzene	0.018	0.036	0.089	0.006	0.025	0.02	124
Trichloroethene	0.032	0.064	0.159	0.011	0.059	0.05	117
1,2-Dichloropropane	0.133	0.266	0.666	0.044	0.218	0.2	109
Bromodichloromethane	0.061	0.121	0.303	0.020	0.215	0.2	108
Dibromomethane	0.043	0.087	0.216	0.014	0.229	0.2	114
4-Methyl-2-pentanone	1.975	3.951	9.877	0.659	25.044	25	100
cis-1,3-Dichloropropene	0.060	0.119	0.298	0.020	0.214	0.2	107
Toluene	0.018	0.035	0.088	0.006	0.060	0.05	119
trans-1,3-Dichloropropene	0.088	0.176	0.441	0.029	0.213	0.2	106
1,1,2-Trichloroethane	0.118	0.237	0.592	0.040	0.230	0.2	115
2-Hexanone	1.094	2.188	5.470	0.365	11.949	10	119
1,3-Dichloropropane	0.059	0.118	0.296	0.020	0.213	0.2	107
Tetrachloroethene	0.023	0.046	0.114	0.008	0.064	0.05	127
Dibromochloromethane	0.051	0.102	0.256	0.017	0.212	0.2	106
1,2-Dibromoethane (EDB)	0.022	0.043	0.108	0.007	0.059	0.05	118
Chlorobenzene	0.042	0.085	0.212	0.014	0.221	0.2	110
Ethylbenzene	0.016	0.033	0.082	0.005	0.028	0.02	141
1,1,1,2-Tetrachloroethane	0.065	0.130	0.324	0.022	0.217	0.2	108
m,p-Xylene	0.030	0.060	0.149	0.010	0.056	0.04	141
o-Xylene	0.011	0.022	0.054	0.004	0.026	0.02	132
Styrene	0.048	0.095	0.239	0.016	0.192	0.2	96
Isopropylbenzene	0.011	0.023	0.057	0.004	0.200	0.2	100
Bromoform	0.091	0.183	0.457	0.030	0.219	0.2	110
n-Propylbenzene	0.027	0.054	0.135	0.009	0.207	0.2	103
Bromobenzene	0.057	0.114	0.286	0.019	0.211	0.2	106
1,3,5-Trimethylbenzene	0.017	0.034	0.084	0.006	0.205	0.2	103
1,1,2,2-Tetrachloroethane	0.062	0.123	0.308	0.021	0.222	0.2	111
1,2,3-Trichloropropane	0.111	0.223	0.556	0.037	0.242	0.2	121
2-Chlorotoluene	0.039	0.078	0.194	0.013	0.210	0.2	105
4-Chlorotoluene	0.033	0.065	0.163	0.011	0.207	0.2	103
tert-Butylbenzene	0.021	0.042	0.106	0.007	0.201	0.2	100
1,2,4-Trimethylbenzene	0.039	0.079	0.197	0.013	0.204	0.2	102
sec-Butylbenzene	0.031	0.062	0.156	0.010	0.205	0.2	103
p-Isopropyltoluene	0.042	0.084	0.210	0.014	0.195	0.2	97
1,3-Dichlorobenzene	0.052	0.104	0.261	0.017	0.217	0.2	108
1,4-Dichlorobenzene	0.040	0.079	0.198	0.013	0.223	0.2	112
1,2-Dichlorobenzene	0.038	0.077	0.191	0.013	0.212	0.2	106
1,2-Dibromo-3-chloropropane	0.999	1.997	4.994	0.333	4.836	5	97
1,2,4-Trichlorobenzene	0.053	0.105	0.263	0.018	0.218	0.2	109
Hexachlorobutadiene	0.115	0.230	0.576	0.038	0.224	0.2	112
Naphthalene	0.111	0.222	0.555	0.037	0.227	0.2	113
1,2,3-Trichlorobenzene	0.036	0.071	0.178	0.012	0.225	0.2	113

EPA 8260D
Sequence Tables

Sequence Name: C:\GCMS4\Sequences\11-08-22.s

Comment:

Operator: LM

Data Path: D:\GCMS4\GCMS4_DATA\11-08-22\

Instrument Control Pre-Seq Cmd:

Data Analysis Pre-Seq Cmd:

Instrument Control Post-Seq Cmd:

Data Analysis Post-Seq Cmd:

Method Sections To Run

Full Method

Reprocessing Only

Sequence Barcode Options

On Mismatch, Inject Anyway

On Mismatch, Don't Inject

Barcode Disabled

11/9

Line	Sample Name/Misc Info
1) Sample	1 110801 8260VM1 50 ng BFB 67-152a
2) Sample	2 110802 8260VM1 rinse
3) Sample	3 110803 8260VM1 0.2 ppb 8260 ICAL 67-177I
4) Sample	4 110804 8260VM1 0.5 ppb 8260 ICAL 67-177J
5) Sample	5 110805 8260VM1 1 ppb 8260 ICAL 67-177K
6) Sample	100 110806 8260VM1 50 ng BFB 67-152A
7) Sample	5 110807 8260VM1 rinse
8) Sample	6 110808 8260VM1 0.2 ppb 8260 ICAL 67-177I
9) Sample	7 110809 8260VM1 0.5 ppb 8260 ICAL 67-177J
10) Sample	8 110810 8260VM1 1 ppb 8260 ICAL 67-177K
11) Sample	9 110811 8260VM1 2 ppb 8260 ICAL 67-177L
12) Sample	10 110812 8260VM1 5 ppb 8260 ICAL 67-177M
13) Sample	11 110813 8260VM1 10 ppb 8260 ICAL 67-177N
14) Sample	12 110814 8260VM1 20 ppb 8260 ICAL 67-177O
15) Sample	13 110815 8260VM1 50 ppb 8260 ICAL 67-177Q
16) Sample	14 110816 8260VM1 100 ppb 8260 ICAL 67-177S
17) Sample	15 110817 8260VM1 150 ppb 8260 ICAL 67-177T
18) Sample	16 110818 8260VM1 200 ppb 8260 ICAL 67-177U
19) Sample	17 110819 8260VM1 rinse vial
20) Sample	18 110820 8260VM1 10 ppb 8260 SCV 67-155c
21) Sample	19 110821 8260VM1 rinse

Injection Log

Data Directory: S:\Proc_GCMS4\11-08-22\

SampleName	MiscInfo	Vial	Multiplier	Injection Time
1) 110801.D 50 ng BFB 67-152a	soil 8260VM1.M	1	1.000	8 Nov 2022 7:10 am
2) 110802.D rinse	soil 8260VM1.M	2	1.000	8 Nov 2022 8:21 am
3) 110803.D 0.2 ppb 8260 ICAL ..	soil 8260VM1.M	3	1.000	8 Nov 2022 8:45 am
4) 110804.D 0.5 ppb 8260 ICAL ..	soil 8260VM1.M	4	1.000	8 Nov 2022 9:09 am
5) 110806.D 50 ng BFB 67-152A	direct inject 8260VM1.M	100	1.000	8 Nov 2022 11:14 am
6) 110807.D rinse	8260VM1.M	5	1.000	8 Nov 2022 11:40 am
7) 110808.D 0.2 ppb 8260 ICAL ..	soil/water 8260VM1.M	6	1.000	8 Nov 2022 12:05 pm
8) 110809.D 0.5 ppb 8260 ICAL ..	soil/water 8260VM1.M	7	1.000	8 Nov 2022 12:29 pm
9) 110810.D 1 ppb 8260 ICAL 67..	soil/water 8260VM1.M	8	1.000	8 Nov 2022 12:53 pm
10) 110811.D 2 ppb 8260 ICAL 67..	soil/water 8260VM1.M	9	1.000	8 Nov 2022 1:17 pm
11) 110812.D 5 ppb 8260 ICAL 67..	soil/water 8260VM1.M	10	1.000	8 Nov 2022 1:42 pm
12) 110813.D 10 ppb 8260 ICAL 6..	soil/water 8260VM1.M	11	1.000	8 Nov 2022 2:06 pm
13) 110814.D 20 ppb 8260 ICAL 6..	soil/water 8260VM1.M	12	1.000	8 Nov 2022 2:30 pm
14) 110815.D 50 ppb 8260 ICAL 6..	soil/water 8260VM1.M	13	1.000	8 Nov 2022 2:55 pm
15) 110816.D 100 ppb 8260 ICAL ..	soil/water 8260VM1.M	14	1.000	8 Nov 2022 3:19 pm
16) 110817.D 150 ppb 8260 ICAL ..	soil/water 8260VM1.M	15	1.000	8 Nov 2022 3:43 pm
17) 110818.D 200 ppb 8260 ICAL ..	soil/water 8260VM1.M	16	1.000	8 Nov 2022 4:07 pm
18) 110819.D rinse vial	soil/water 8260VM1.M	17	1.000	8 Nov 2022 4:31 pm
19) 110820.D 10 ppb 8260 SCV 67..	soil/water 8260VM1.M	18	1.000	8 Nov 2022 4:55 pm
20) 110821.D rinse	soil/water 8260VM1.M	19	1.000	8 Nov 2022 5:20 pm

Comment:

Operator: LM

Data Path: D:\GCMS11\GCMS11_Data\11-03-22\

Instrument Control Pre-Seq Cmd:

Data Analysis Pre-Seq Cmd: †

Instrument Control Post-Seq Cmd: .

Data Analysis Post-Seq Cmd:

Method Sections To Run

 Full Method Reprocessing Only

Sequence Barcode Options

 On Mismatch, Inject Anyway On Mismatch, Don't Inject Barcode Disabled

Line	Type	ALS	File	Method	Sample Name/Misc Info
1)	Sample	100	110301	VM080522	rinse
2)	Sample	100	110302	VM080522	rinse
3)	Sample	1	110303	VM080522	10 ppb 8260 CCV 67-150N
4)	Sample	2	110304	VM080522	02-2628 LCS
5)	Sample	3	110305	VM080522	02-2628 LCSD
6)	Sample	100	110306	VM080522	rinse
7)	Sample	100	110307	VM080522	rinse
8)	Sample	100	110308	VM080522	rinse
9)	Sample	100	110309	VM080522	rinse
10)	Sample	100	110310	VM080522	rinse
11)	Sample	100	110311	VM080522	rinse
12)	Sample	6	110312	VM080522	Rinse vial
13)	Sample	7	110313	VM080522	rinse vial
14)	Sample	100	110314	VM080522	rinse
15)	Sample	100	110315	VM080522	rinse
16)	Sample	5	110316	VM080522	02-2628 mb
17)	Sample	8	110317	VM080522	50 ng BFB 67-152A
18)	Sample	100	110318	VM080522	rinse
19)	Sample	100	110319	VM080522	rinse
20)	Sample	10	110320	VM080522	0.02 ppb 8260 ICAL 67-177F
21)	Sample	11	110321	VM080522	0.04 ppb 8260 ICAL 67-177G
22)	Sample	12	110322	VM080522	0.1 ppb 8260 ICAL 67-177H
23)	Sample	13	110323	VM080522	0.2 ppb 8260 ICAL 67-177I
24)	Sample	14	110324	VM080522	0.5 ppb 8260 ICAL 67-177J
25)	Sample	15	110325	VM080522	1 ppb 8260 ICAL 67-177K
26)	Sample	16	110326	VM080522	2 ppb 8260 ICAL 67-177L
27)	Sample	17	110327	VM080522	5 ppb 8260 ICAL 67-177M
28)	Sample	18	110328	VM080522	10 ppb 8260 ICAL 67-177N
29)	Sample	19	110329	VM080522	20 ppb 8260 ICAL 67-177O
30)	Sample	20	110330	VM080522	50 ppb 8260 ICAL 67-177Q
31)	Sample	21	110331	VM080522	100 ppb 8260 ICAL 67-177S
32)	Sample	22	110332	VM080522	150 ppb 8260 ICAL 67-177T
33)	Sample	23	110333	VM080522	200 ppb 8260 ICAL 67-177U
34)	Sample	24	110334	VM080522	rinse vial
35)	Sample	25	110335	VM080522	10 ppb 8260 SCV 67-182C
36)	Sample	100	110336	VM080522	rinse
37)	Sample	26	110337	VM080522	02-2635 lcs
38)	Sample	27	110338	VM080522	02-2635 lcsd
39)	Sample	28	110339	VM080522	02-2634 lcs
40)	Sample	29	110340	VM080522	02-2634 lcsd
41)	Sample	100	110341	VM080522	rinse

Injection Log

Data Directory: D:\Proc_GCMS11\11-03-22\

SampleName	MiscInfo	Vial	Multiplier	Injection Time
1) 110301.D rinse		100	1.000	03 Nov 2022 06:15 am
2) 110302.D rinse		100	1.000	03 Nov 2022 06:38 am
3) 110303.D 10 ppb 8260 CCV 67-1 soil/water		1	1.000	03 Nov 2022 06:55 am
4) 110304.D 02-2628 LCS	water	2	1.000	03 Nov 2022 07:23 am
5) 110305.D 02-2628 LCSD	water	3	1.000	03 Nov 2022 07:45 am
6) 110306.D rinse	soil/water	100	1.000	03 Nov 2022 08:06 am
7) 110307.D rinse	soil/water	100	1.000	03 Nov 2022 08:28 am
8) 110308.D rinse	soil/water	100	1.000	03 Nov 2022 08:50 am
9) 110309.D rinse	soil/water	100	1.000	03 Nov 2022 09:12 am
10) 110310.D rinse	soil/water	100	1.000	03 Nov 2022 09:34 am
11) 110311.D rinse	soil/water	100	1.000	03 Nov 2022 09:56 am
12) 110312.D Rinse vial	soil/water	6	1.000	03 Nov 2022 10:18 am
13) 110313.D rinse vial	soil/water	7	1.000	03 Nov 2022 10:41 am
14) 110314.D rinse	soil/water	100	1.000	03 Nov 2022 11:03 am
15) 110315.D rinse	soil/water	100	1.000	03 Nov 2022 11:36 am
16) 110316.D 02-2628 mb	water	5	1.000	03 Nov 2022 11:58 am
17) 110317.D 50 ng BFB 67-152A	water	8	1.000	03 Nov 2022 12:23 pm
18) 110318.D rinse	soil/water	100	1.000	03 Nov 2022 01:25 pm
19) 110319.D rinse	soil/water	100	1.000	03 Nov 2022 01:47 pm
20) 110320.D 0.02 ppb 8260 ICAL 6 soil/water		10	1.000	03 Nov 2022 02:10 pm
21) 110321.D				

0.04 ppb 8260 ICAL 6 soil/water	11	1.000	03 Nov 2022	02:32 pm
22) 110322.D				
0.1 ppb 8260 ICAL 67 soil/water	12	1.000	03 Nov 2022	02:54 pm
23) 110323.D				
0.2 ppb 8260 ICAL 67 soil/water	13	1.000	03 Nov 2022	03:17 pm
24) 110324.D				
0.5 ppb 8260 ICAL 67 soil/water	14	1.000	03 Nov 2022	03:39 pm
25) 110325.D				
1 ppb 8260 ICAL 67-1 soil/water	15	1.000	03 Nov 2022	04:01 pm
26) 110326.D				
2 ppb 8260 ICAL 67-1 soil/water	16	1.000	03 Nov 2022	04:24 pm
27) 110327.D				
5 ppb 8260 ICAL 67-1 soil/water	17	1.000	03 Nov 2022	04:46 pm
28) 110328.D				
10 ppb 8260 ICAL 67- soil/water	18	1.000	03 Nov 2022	05:09 pm
29) 110329.D				
20 ppb 8260 ICAL 67- soil/water	19	1.000	03 Nov 2022	05:31 pm
30) 110330.D				
50 ppb 8260 ICAL 67- soil/water	20	1.000	03 Nov 2022	05:54 pm
31) 110331.D				
100 ppb 8260 ICAL 67 soil/water	21	1.000	03 Nov 2022	06:16 pm
32) 110332.D				
150 ppb 8260 ICAL 67 soil/water	22	1.000	03 Nov 2022	06:38 pm
33) 110333.D				
200 ppb 8260 ICAL 67 soil/water	23	1.000	03 Nov 2022	07:01 pm
34) 110334.D				
rinse vial soil/water	24	1.000	03 Nov 2022	07:23 pm
35) 110335.D				
10 ppb 8260 SCV 67-1 soil/water	25	1.000	03 Nov 2022	07:46 pm
36) 110336.D				
rinse soil/water	100	1.000	03 Nov 2022	08:08 pm
37) 110337.D				
02-2635 lcs water	26	1.000	03 Nov 2022	08:30 pm
38) 110338.D				
02-2635 lcsd water	27	1.000	03 Nov 2022	08:53 pm
39) 110339.D				
02-2634 lcs soil	28	1.000	03 Nov 2022	09:15 pm
40) 110340.D				
02-2634 lcsd soil	29	1.000	03 Nov 2022	09:37 pm
41) 110341.D				
rinse soil/water	100	1.000	03 Nov 2022	09:59 pm
42) 110342.D				
02-2635 mb water	30	1.000	03 Nov 2022	10:22 pm
43) 110343.D				
02-2634 mb soil	31	1.000	03 Nov 2022	10:44 pm

44) 110344.D						
210221-04 rr	water	<i>Very</i>	32	1.000	03 Nov 2022	11:06 pm

45) 110345.D						
rinse	soil/water		100	1.000	03 Nov 2022	11:29 pm

46) 110346.D						
210221-09	water		33	1.000	03 Nov 2022	11:51 pm

47) 110347.D						
rinse	soil/water		100	1.000	04 Nov 2022	12:13 am

Comment:

Operator: VM

Data Path: D:\GCMS13\GCMS13_Data\11-05-22\

Instrument Control Pre-Seq Cmd:

Data Analysis Pre-Seq Cmd:

Instrument Control Post-Seq Cmd:

Data Analysis Post-Seq Cmd:

Method Sections To Run

Full Method

Reprocessing Only

Sequence Barcode Options

On Mismatch, Inject Anyway

On Mismatch, Don't Inject

Barcode Disabled

Line	Type	ALS	File	Method	Sample Name/Misc Info
1)	Sample	100	110501	VM080322	rinse
2)	Sample	100	110502	VM080322	rinse
3)	Sample	1	110503	VM080322	50 ng BFB 67-152A
4)	Sample	100	110504	VM080322	rinse
5)	Sample	100	110505	VM080322	rinse
6)	Sample	2	110506	VM080322	0.02 ppb 8260 ICAL 67-177F
7)	Sample	3	110507	VM080322	0.04 ppb 8260 ICAL 67-177G
8)	Sample	4	110508	VM080322	0.1 ppb 8260 ICAL 67-177H
9)	Sample	5	110509	VM080322	0.2 ppb 8260 ICAL 67-177I
10)	Sample	6	110510	VM080322	0.5 ppb 8260 ICAL 67-177J
11)	Sample	7	110511	VM080322	1 ppb 8260 ICAL 67-177K
12)	Sample	8	110512	VM080322	2 ppb 8260 ICAL 67-177L
13)	Sample	9	110513	VM080322	5 ppb 8260 ICAL 67-177M
14)	Sample	10	110514	VM080322	10 ppb 8260 ICAL 67-177N
15)	Sample	11	110515	VM080322	20 ppb 8260 ICAL 67-177O
16)	Sample	12	110516	VM080322	50 ppb 8260 ICAL 67-177Q
17)	Sample	13	110517	VM080322	100 ppb 8260 ICAL 67-177S
18)	Sample	14	110518	VM080322	150 ppb 8260 ICAL 67-177T
19)	Sample	15	110519	VM080322	200 ppb 8260 ICAL 67-177U
20)	Sample	16	110520	VM080322	rinse vial
21)	Sample	17	110521	VM080322	10 ppb 8260 SCV 67-148
22)	Sample	100	110522	VM080322	rinse
23)	Sample	18	110523	VM080322	02-2625 lcs
24)	Sample	19	110524	VM080322	02-2625 lcsd
25)	Sample	100	110525	VM080322	rinse
26)	Sample	20	110526	VM080322	02-2625 mb
27)	Sample	21	110527	VM080322	02-2625 mb 1/0.25
28)	Sample	22	110528	VM080322	210370-01
29)	Sample	23	110529	VM080322	210370-02
30)	Sample	24	110530	VM080325	210370-03
31)	Sample	25	110531	VM080326	210370-04
32)	Sample	26	110532	VM080327	210370-10
33)	Sample	27	110533	VM080328	210370-11
34)	Sample	28	110534	VM080329	210370-12
35)	Sample	29	110535	VM080330	210370-13
36)	Sample	30	110536	VM080331	210370-14
37)	Sample	31	110537	VM080331	210370-17
38)	Sample	100	110538	VM080322	rinse

Injection Log

Data Directory: D:\Proc_GCMS13\11-05-22\

SampleName	MiscInfo	Vial	Multiplier	Injection Time
1) 110501.D rinse	VM080322.M water	100	1.000	05 Nov 2022 08:26 am
2) 110502.D rinse	VM080322.M water	100	1.000	05 Nov 2022 08:48 am
3) 110503.D 50 ng BFB 67-152A	VM080322.M water	<i>100</i> 1	1.000	05 Nov 2022 10:22 am
4) 110504.D rinse	VM080322.M water	100	1.000	05 Nov 2022 10:40 am
5) 110505.D rinse	VM080322.M water	100	1.000	05 Nov 2022 11:11 am
6) 110506.D 0.02 ppb 8260 ICAL..	VM080322.M soil/water	2	1.000	05 Nov 2022 11:34 am
7) 110507.D 0.04 ppb 8260 ICAL..	VM080322.M soil/water	3	1.000	05 Nov 2022 11:57 am
8) 110508.D 0.1 ppb 8260 ICAL ..	VM080322.M soil/water	4	1.000	05 Nov 2022 12:20 pm
9) 110509.D 0.2 ppb 8260 ICAL..	VM080322.M soil/water	5	1.000	05 Nov 2022 12:44 pm
10) 110510.D 0.5 ppb 8260 ICAL ..	VM080322.M soil/water	6	1.000	05 Nov 2022 01:07 pm
11) 110511.D 1 ppb 8260 ICAL 67..	VM080322.M soil/water	<i>7</i> 7	1.000	05 Nov 2022 01:30 pm
12) 110512.D 2 ppb 8260 ICAL 67..	VM080322.M soil/water	<i>8</i> 8	1.000	05 Nov 2022 01:53 pm
13) 110513.D 5 ppb 8260 ICAL 67..	VM080322.M soil/water	9	1.000	05 Nov 2022 02:16 pm
14) 110514.D 10 ppb 8260 ICAL 6..	VM080322.M soil/water	10	1.000	05 Nov 2022 02:39 pm
15) 110515.D 20 ppb 8260 ICAL 6..	VM080322.M soil/water	11	1.000	05 Nov 2022 03:03 pm
16) 110516.D 50 ppb 8260 ICAL 6..	VM080322.M soil/water	12	1.000	05 Nov 2022 03:26 pm
17) 110517.D 100 ppb 8260 ICAL ..	VM080322.M soil/water	13	1.000	05 Nov 2022 03:49 pm
18) 110518.D 150 ppb 8260 ICAL ..	VM080322.M soil/water	<i>14</i> 14	1.000	05 Nov 2022 04:12 pm
19) 110519.D 200 ppb 8260 ICAL ..	VM080322.M soil/water	<i>15</i> 15	1.000	05 Nov 2022 04:35 pm
20) 110520.D rinse vial	VM080322.M soil/water	16	1.000	05 Nov 2022 04:58 pm
21) 110521.D	VM080322.M			

Comment:

Operator: LM

Data Path: D:\GCMS13\GCMS13_Data\11-07-22\

Instrument Control Pre-Seq Cmd:

Data Analysis Pre-Seq Cmd:

Instrument Control Post-Seq Cmd:

Data Analysis Post-Seq Cmd:

Method Sections To Run

(X) Full Method

() Reprocessing Only

Sequence Barcode Options

() On Mismatch, Inject Anyway

() On Mismatch, Don't Inject

(X) Barcode Disabled

m 11/8

Line	Type	ALS	File	Method	Sample Name/Misc Info
1)	Sample	100	110701	VM080322	Rinse
2)	Sample	1	110702	VM080322	10 ppb ccv 8260 67-177n
3)	Sample	2	110703	VM080322	02-2629 lcs
4)	Sample	3	110704	VM080322	02-2629 lcsd
5)	Sample	100	110705	VM080322	rinse
6)	Sample	4	110706	VM080322	10 ppb 8260 SCV 67-155
7)	Sample	100	110707	VM080322	rinse
8)	Sample	5	110708	VM080322	10 ppb ccv 8260 67-177n
9)	Sample	6	110709	VM080322	02-2625 lcs
10)	Sample	7	110710	VM080322	210364-03 ms
11)	Sample	8	110711	VM080322	210364-03 msd
12)	Sample	100	110712	VM080322	rinse
13)	Sample	9	110713	VM080322	02-2625 mb
14)	Sample	10	110714	VM080322	02-2625 mb 1/0.25
15)	Sample	11	110715	VM080322	210370-01 1/0.25
16)	Sample	12	110716	VM080322	210370-02 1/0.25
17)	Sample	13	110717	VM080322	210370-03 1/0.25
18)	Sample	14	110718	VM080322	210370-04 1/0.25
19)	Sample	15	110719	VM080322	210370-10 1/0.25
20)	Sample	16	110720	VM080322	210370-11 1/0.25
21)	Sample	17	110721	VM080322	210370-12 1/0.25
22)	Sample	18	110722	VM080322	210370-13 1/0.25
23)	Sample	19	110723	VM080322	210370-14 1/0.25
24)	Sample	20	110724	VM080322	210370-17 1/0.25
25)	Sample	21	110725	VM080322	210364-03 1/0.25
26)	Sample	22	110726	VM080322	210364-04 1/0.25
27)	Sample	23	110727	VM080322	210364-08 1/0.25
28)	Sample	24	110728	VM080322	210364-11 1/0.25
29)	Sample	25	110729	VM080322	210364-13 1/0.25
30)	Sample	26	110730	VM080322	210364-16 1/0.25
31)	Sample	27	110731	VM080322	210364-20 1/0.25
32)	Sample	28	110732	VM080322	210364-24 1/0.25
33)	Sample	29	110733	VM080322	210439-02 1/0.25
34)	Sample	30	110734	VM080322	210439-06 1/0.25
35)	Sample	31	110735	VM080322	210364-03
36)	Sample	100	110736	VM080322	rinse
37)	Sample	32	110737	VM080322	10 ppb ccv 8260 67-177n
38)	Sample	33	110738	VM080322	02-2629 lcs
39)	Sample	34	110739	VM080322	211091-01 ms
40)	Sample	35	110740	VM080322	211091-01 msd
41)	Sample	100	110741	VM080322	rinse

Sequence Name: D:\GCMS13\sequence\11-07-22.sequence.xml

Comment:

Operator: LM

Data Path: D:\GCMS13\GCMS13_Data\11-07-22\

Instrument Control Pre-Seq Cmd:

Data Analysis Pre-Seq Cmd:

Instrument Control Post-Seq Cmd:

Data Analysis Post-Seq Cmd:

Method Sections To Run

Full Method

Reprocessing Only

Sequence Barcode Options

On Mismatch, Inject Anyway

On Mismatch, Don't Inject

Barcode Disabled

42)	Sample	36	110742	VM080322	02-2629	mb
43)	Sample	37	110743	VM080322	02-2629	mb 1/0.25
44)	Sample	38	110744	VM080322	210409-01	1/0.25
45)	Sample	39	110745	VM080322	210409-02	1/0.25
46)	Sample	40	110746	VM080322	210409-04	1/0.25
47)	Sample	41	110747	VM080322	210409-10	1/0.25
48)	Sample	42	110748	VM080322	210409-11	1/0.25
49)	Sample	43	110749	VM080322	210409-13	1/0.25
50)	Sample	44	110750	VM080322	210409-15	1/0.25
51)	Sample	45	110751	VM080322	210409-18	1/0.25
52)	Sample	46	110752	VM080322	210409-21	1/0.25
53)	Sample	47	110753	VM080322	210409-22	1/0.25
54)	Sample	48	110754	VM080322	210409-23	1/0.25
55)	Sample	49	110755	VM080322	210409-25	1/0.25
56)	Sample	50	110756	VM080322	210409-29	1/0.25
57)	Sample	51	110757	VM080322	210409-32	1/0.25
58)	Sample	52	110758	VM080322	210409-33	1/0.25
59)	Sample	53	110759	VM080322	210409-34	1/0.25
60)	Sample	54	110760	VM080322	210409-36	1/0.25
61)	Sample	55	110761	VM080322	210409-41	1/0.25
62)	Sample	56	110762	VM080322	210409-42	1/0.25
63)	Sample	57	110763	VM080322	211091-01	
64)	Sample	100	110764	VM080322	rinse	

Injection Log

Data Directory: D:\Proc_GCMS13\11-07-22\

SampleName	MiscInfo	Vial	Multiplier	Injection Time
1) 110701.D Rinse	VM080322.M water	100	1.000	07 Nov 2022 07:21 am
2) 110702.D 10 ppb ccv 8260 67..	VM080322.M water/soil	1	1.000	07 Nov 2022 08:37 am
3) 110703.D 02-2629 lcs	VM080322.M water	2	1.000	07 Nov 2022 09:00 am
4) 110704.D 02-2629 lcsd	VM080322.M water	3	1.000	07 Nov 2022 09:23 am
5) 110705.D rinse	VM080322.M water	100	1.000	07 Nov 2022 09:46 am
6) 110706.D 10 ppb 8260 SCV 67..	VM080322.M soil/water	4	1.000	07 Nov 2022 10:34 am
7) 110707.D rinse	VM080322.M water	100	1.000	07 Nov 2022 10:57 am
8) 110708.D 10 ppb ccv 8260 67..	VM080322.M soil	5	1.000	07 Nov 2022 12:37 pm
9) 110709.D 02-2625 lcs	VM080322.M soil	6	1.000	07 Nov 2022 01:01 pm
10) 110710.D 210364-03 ms	VM080322.M soil	7	1.000	07 Nov 2022 01:24 pm
11) 110711.D 210364-03 msd	VM080322.M soil	8	1.000	07 Nov 2022 01:47 pm
12) 110712.D rinse	VM080322.M soil	100	1.000	07 Nov 2022 02:10 pm
13) 110713.D 02-2625 mb	VM080322.M soil	9	1.000	07 Nov 2022 02:33 pm
14) 110714.D 02-2625 mb 1/0.25	VM080322.M soil	10	1.000	07 Nov 2022 02:56 pm
15) 110715.D 210370-01 1/0.25	VM080322.M soil	11	1.000	07 Nov 2022 03:19 pm
16) 110716.D 210370-02 1/0.25	VM080322.M soil	12	1.000	07 Nov 2022 03:43 pm
17) 110717.D 210370-03 1/0.25	VM080322.M soil	13	1.000	07 Nov 2022 04:06 pm
18) 110718.D 210370-04 1/0.25	VM080322.M soil	14	1.000	07 Nov 2022 04:29 pm
19) 110719.D 210370-10 1/0.25	VM080322.M soil	15	1.000	07 Nov 2022 04:52 pm
20) 110720.D 210370-11 1/0.25	VM080322.M soil	16	1.000	07 Nov 2022 05:15 pm
21) 110721.D	VM080322.M			

210370-12 1/0.25	soil	VM080322.M	17	1.000	07 Nov 2022	05:38 pm
22) 110722.D		VM080322.M				
210370-13 1/0.25	soil		18	1.000	07 Nov 2022	06:01 pm
23) 110723.D		VM080322.M				
210370-14 1/0.25	soil		19	1.000	07 Nov 2022	06:24 pm
24) 110724.D		VM080322.M				
210370-17 1/0.25	soil		20	1.000	07 Nov 2022	06:47 pm
25) 110725.D		VM080322.M				
210364-03 1/0.25	soil		21	1.000	07 Nov 2022	07:11 pm
26) 110726.D		VM080322.M				
210364-04 1/0.25	soil		22	1.000	07 Nov 2022	07:34 pm
27) 110727.D		VM080322.M				
210364-08 1/0.25	soil		23	1.000	07 Nov 2022	07:57 pm
28) 110728.D		VM080322.M				
210364-11 1/0.25	soil		24	1.000	07 Nov 2022	08:21 pm
29) 110729.D		VM080322.M				
210364-13 1/0.25	soil		25	1.000	07 Nov 2022	08:44 pm
30) 110730.D		VM080322.M				
210364-16 1/0.25	soil		26	1.000	07 Nov 2022	09:07 pm
31) 110731.D		VM080322.M				
210364-20 1/0.25	soil		27	1.000	07 Nov 2022	09:30 pm
32) 110732.D		VM080322.M				
210364-24 1/0.25	soil		28	1.000	07 Nov 2022	09:53 pm
33) 110733.D		VM080322.M				
210439-02 1/0.25	soil		29	1.000	07 Nov 2022	10:17 pm
34) 110734.D		VM080322.M				
210439-06 1/0.25	soil		30	1.000	07 Nov 2022	10:40 pm
35) 110735.D		VM080322.M				
210364-03	soil		31	1.000	07 Nov 2022	11:03 pm
36) 110736.D		VM080322.M				
rinse	soil		100	1.000	07 Nov 2022	11:26 pm
37) 110737.D		VM080322.M				
10 ppb ccv 8260 67..	soil		32	1.000	07 Nov 2022	11:49 pm
38) 110738.D		VM080322.M				
02-2629 lcs	soil		33	1.000	08 Nov 2022	12:12 am
39) 110739.D		VM080322.M				
211091-01 ms	soil		34	1.000	08 Nov 2022	12:35 am
40) 110740.D		VM080322.M				
211091-01 msd	soil		35	1.000	08 Nov 2022	12:58 am
41) 110741.D		VM080322.M				
rinse	soil		100	1.000	08 Nov 2022	01:21 am
42) 110742.D		VM080322.M				
02-2629 mb	soil		36	1.000	08 Nov 2022	01:44 am
43) 110743.D		VM080322.M				
02-2629 mb 1/0.25	soil		37	1.000	08 Nov 2022	02:07 am

44) 110744.D		VM080322.M					
210409-01 1/0.25	soil		38	1.000	08 Nov 2022	02:30	am
45) 110745.D		VM080322.M					
210409-02 1/0.25	soil		39	1.000	08 Nov 2022	02:53	am
46) 110746.D		VM080322.M					
210409-04 1/0.25	soil		40	1.000	08 Nov 2022	03:16	am
47) 110747.D		VM080322.M					
210409-10 1/0.25	soil		41	1.000	08 Nov 2022	03:39	am
48) 110748.D		VM080322.M					
210409-11 1/0.25	soil		42	1.000	08 Nov 2022	04:02	am
49) 110749.D		VM080322.M					
210409-13 1/0.25	soil		43	1.000	08 Nov 2022	04:25	am
50) 110750.D		VM080322.M					
210409-15 1/0.25	soil		44	1.000	08 Nov 2022	04:48	am
51) 110751.D		VM080322.M					
210409-18 1/0.25	soil		45	1.000	08 Nov 2022	05:11	am
52) 110752.D		VM080322.M					
210409-21 1/0.25	soil		46	1.000	08 Nov 2022	05:34	am
53) 110753.D		VM080322.M					
210409-22 1/0.25	soil		47	1.000	08 Nov 2022	05:57	am
54) 110754.D		VM080322.M					
210409-23 1/0.25	soil		48	1.000	08 Nov 2022	06:20	am
55) 110755.D		VM080322.M					
210409-25 1/0.25	soil		49	1.000	08 Nov 2022	06:43	am
56) 110756.D		VM080322.M					
210409-29 1/0.25	soil		50	1.000	08 Nov 2022	07:06	am
57) 110757.D		VM080322.M					
210409-32 1/0.25	soil		51	1.000	08 Nov 2022	07:29	am
58) 110758.D		VM080322.M					
210409-33 1/0.25	soil		52	1.000	08 Nov 2022	07:52	am
59) 110759.D		VM080322.M					
210409-341/0.25	soil		53	1.000	08 Nov 2022	08:15	am
60) 110760.D		VM080322.M					
210409-36 1/0.25	soil		54	1.000	08 Nov 2022	08:38	am
61) 110761.D		VM080322.M					
210409-41 1/0.25	soil		55	1.000	08 Nov 2022	09:01	am
62) 110762.D		VM080322.M					
210409-42 1/0.25	soil		56	1.000	08 Nov 2022	09:24	am
63) 110763.D		VM080322.M					
211091-01	soil		57	1.000	08 Nov 2022	09:48	am
64) 110764.D		VM080322.M					
rinse	soil		100	1.000	08 Nov 2022	10:10	am

DM
DMC
11/9

Sequence Name: C:\GCMS4\SEQUENCES\11-18-22.S

Comment:

Operator: lm

Data Path: D:\GCMS4\GCMS4_DATA\11-18-22\

Instrument Control Pre-Seq Cmd:

Data Analysis Pre-Seq Cmd:

Instrument Control Post-Seq Cmd:

Data Analysis Post-Seq Cmd:

Method Sections To Run

Full Method

Reprocessing Only

Sequence Barcode Options

On Mismatch, Inject Anyway

On Mismatch, Don't Inject

Barcode Disabled

Line	Sample		Sample Name/Misc Info
1)	Sample	1	111801 8260VM1 rinse
2)	Sample	2	111802 8260VM1 10 ppb 8260 CCV 67-150N
3)	Sample	3	111803 8260VM1 02-2768 lcs
4)	Sample	4	111804 8260VM1 rinse
5)	Sample	5	111805 8260VM1 02-2768 mb
6)	Sample	6	111806 8260VM1 rinse
7)	Sample	7	111807 8260VM1 02-2753 lcs
8)	Sample	8	111808 8260VM1 rinse
9)	Sample	9	111809 8260VM1 02-2753 mb
10)	Sample	10	111810 8260VM1 10 ppb 8260 CCV 67-192N
11)	Sample	11	111811 8260VM1 211195-08 ms
12)	Sample	12	111812 8260VM1 211195-08 msd
13)	Sample	13	111813 8260VM1 211237-01 ms
14)	Sample	14	111814 8260VM1 211237-01 msd
15)	Sample	15	111815 8260VM1 rinse
16)	Sample	16	111816 8260VM1 instrument blank
17)	Sample	17	111817 8260VM1 211188-02 rx
18)	Sample	18	111818 8260VM1 211195-08 rx
19)	Sample	19	111819 8260VM1 211195-17 rx
20)	Sample	20	111820 8260VM1 211195-19 rx
21)	Sample	21	111821 8260VM1 211195-20 rx

EPA 8260D

Checklists

GC/MS ICAL Checklist

Instrument: GC/MS 4

Sequence Date: 11/08/22

Shift # 1

Item	Initial	Date
Shift and Batch		
Initial Calibration Analyzed, Evaluated and Passed	JLM	11/08/22
2 nd source passed	|	|
Analyte retention time checked	|	|
Tune passed	|	|
Non-Conformance Report filled out (if needed)	|	|

Notes: ACETONE LO. IF HIT.

Attach this sheet to raw data package.

Supervisor Initials and Date

GC/MS ICAL Checklist

Instrument: GC/MS 11

Sequence Date: 11.03.22

Shift # 1

Item	Initial	Date
Shift and Batch		
Initial Calibration Analyzed, Evaluated and Passed	/ my	11.01.22
2 nd source passed	/	|
Analyte retention time checked	/	|
Tune passed	/	|
Non-Conformance Report filled out (if needed)	NA	|

Notes: EDE start @ 0.1 ppb

Attach this sheet to raw data package.

YA 11/11/22
Supervisor Initials and Date

GC/MS ICAL Checklist

Instrument: GC/MS 13

Sequence Date: 1.05.22 / 11.07.22 Shift # 1

Item	Initial	Date
Shift and Batch		
Initial Calibration Analyzed, Evaluated and Passed	✓ <i>WY</i>	11.07.22
2nd source passed	✓	|
Analyte retention time checked	✓	|
Tune passed	✓	|
Non-Conformance Report filled out (if needed)	NA	|

Notes: *toluene failed high in SCV 18150 ppb but*
SCV analyzed on 11.07.22 used prep vials
WY 11.07.22

Attach this sheet to raw data package.

YA 11/14/22
 Supervisor Initials and Date

GC/MS Data Daily Checklist

Instrument: GC/MS 4

Sequence Date: 11-18-22

Shift # 1

Item	Initial	Date
Shift and Batch		
All samples analyzed within 12 hour shift	✓	11/22
Internal Standards within limits (50-200% of the CCVs for 8260, 8270; 70-130% for 524.2)	✓	|
Surrogate recoveries within limits	✓	|
Laboratory control sample (LCS) recoveries within limits	✓	|
Matrix spike (MS) analyzed	✓	|
RPDs within limits	✓	|
Continuing Calibration Analyzed, Evaluated and Passed	see below	
Non-Conformance Report filled out (if needed)	|	|

Notes: trichloroethane, acet, bromomethane

Attach this sheet to raw data package.

Supervisor Initials and Date

GC/MS Data Daily Checklist

Instrument: GC/MS 4

Sequence Date: 11.18.22

Shift # 2

Item	Initial	Date
Shift and Batch		
All samples analyzed within 12 hour shift	✓	11/22
Internal Standards within limits (50-200% of the CCVs for 8260, 8270; 70-130% for 524.2)	✓	|
Surrogate recoveries within limits	✓	
Laboratory control sample (LCS) recoveries within limits	✓	
Matrix spike (MS) analyzed	✓	
RPDs within limits	✓	
Continuing Calibration Analyzed, Evaluated and Passed	see below	
Non-Conformance Report filled out (if needed)		

Notes: ~~VCl⁺, dichloro-difluoro-eth⁺, chloro-ethane⁺, chloro-ethene⁺, acet⁺, trichloro-ethene⁺, ac⁺, TBAH, H₂O⁺, 1,2-dichloro⁺, Carbon tet⁺, 1,2-dichloro⁺, di-brom⁺~~

Attach this sheet to raw data package.

Supervisor Initials and Date

GC/MS Data Daily Checklist

Instrument: GC/MS 4

Sequence Date: 11-19-22

Shift # 2

Item	Initial	Date
Shift and Batch		
All samples analyzed within 12 hour shift	✓	11/22
Internal Standards within limits (50-200% of the CCVs for 8260, 8270; 70-130% for 524.2)	✓	|
Surrogate recoveries within limits	✓	|
Laboratory control sample (LCS) recoveries within limits	✓	|
Matrix spike (MS) analyzed	✓	|
RPDs within limits	✓	|
Continuing Calibration Analyzed, Evaluated and Passed	see below	|
Non-Conformance Report filled out (if needed)		|

Notes: bromonethane ↑, Chloroethane ↑, Trichloroethylene ↑, PCE ↑, 2,2-dichloroethane ↑, 1,2-DCP ↑

Attach this sheet to raw data package.

YA 11/22/22
Supervisor Initials and Date

GC/MS Data Daily Checklist

Instrument: GC/MS 11

Sequence Date: 11-19-22

Shift # 1

Item	Initial	Date
Shift and Batch		
All samples analyzed within 12 hour shift	—	11/22
Internal Standards within limits (50-200% of the CCVs for 8260, 8270; 70-130% for 524.2)	—	|
Surrogate recoveries within limits	—	
Laboratory control sample (LCS) recoveries within limits	N	
Matrix spike (MS) analyzed	|	
RPDs within limits	|	
Continuing Calibration Analyzed, Evaluated and Passed	see below	
Non-Conformance Report filled out (if needed)	|	

Notes: chloroacetamide, chloroacetic acid, DTPP, MMS, 2-ethyl,

Attach this sheet to raw data package.

YA 11/23/22
Supervisor Initials and Date

GC/MS Data Daily Checklist

Instrument: GC/MS 13

Sequence Date: 11-18-22

Shift # 1

Item	Initial	Date
Shift and Batch		
All samples analyzed within 12 hour shift	✓	11/21
Internal Standards within limits (50-200% of the CCVs for 8260, 8270; 70-130% for 524.2)	✓	
Surrogate recoveries within limits	✓	
Laboratory control sample (LCS) recoveries within limits	✓	
Matrix spike (MS) analyzed	✓	
RPDs within limits	✓	
Continuing Calibration Analyzed, Evaluated and Passed	see below	
Non-Conformance Report filled out (if needed)	✓	

Notes: ET1561, 2,2-dichloro, 1,2,3-trichloro

Attach this sheet to raw data package.

Supervisor Initials and Date

GC/MS Data Daily Checklist

Instrument: GC/MS 13

Sequence Date: 11-18-22

Shift # 2

Item	Initial	Date
Shift and Batch		
All samples analyzed within 12 hour shift	✓	11/21
Internal Standards within limits (50-200% of the CCVs for 8260, 8270; 70-130% for 524.2)	✓	
Surrogate recoveries within limits	✓	
Laboratory control sample (LCS) recoveries within limits	✓	
Matrix spike (MS) analyzed	✓	
RPDs within limits	✓	
Continuing Calibration Analyzed, Evaluated and Passed	see below	
Non-Conformance Report filled out (if needed)	✓	

Notes: 6 samples returned 1, FTIR 2, 2-2-dichloro P

Attach this sheet to raw data package.

Supervisor Initials and Date

GC/MS Data Daily Checklist

Instrument: GC/MS 13

Sequence Date: 11/01/22

Shift # 1

Item	Initial	Date
Shift and Batch		
All samples analyzed within 12 hour shift	Jm	11/01/22
Internal Standards within limits (50-200% of the CCVs for 8260, 8270; 70-130% for 524.2)	|	|
Surrogate recoveries within limits	|	|
Laboratory control sample (LCS) recoveries within limits	-	|
Matrix spike (MS) analyzed	-	|
RPDs within limits	-	|
Continuing Calibration Analyzed, Evaluated and Passed	|	|
Non-Conformance Report filled out (if needed)	|	|

Notes: PLU + Breakdown ✓

Attach this sheet to raw data package.

Supervisor Initials and Date

EPA 8260D
Internal Standard/Surrogate Summaries

GC/MS QA-QC Check Report

Tune File : D:\Proc_GCMS4\11-08-22\110806.D

Tune Time : 8 Nov 2022 11:14 am

Daily Calibration File : D:\Proc_GCMS4\11-08-22\110813.D

(DMF) (DHL) (TOL) (BFB)

86139 72870 48476

File	Sample	Surrogate Recovery %					Internal Standard Responses		
110808.D	0.2 ppb 82	101	100	98	102	89075	74574	48941	
110809.D	0.5 ppb 82	99	101	99	102	90028	74657	50024	
110810.D	1 ppb 8260	97	95	100	103	88603	74537	47526	
110811.D	2 ppb 8260	101	100	97	100	88402	71977	47903	
110812.D	5 ppb 8260	98	101	99	100	89475	75227	49685	
110813.D	10 ppb 826	102	101	101	100	86139	72870	48476	
110814.D	20 ppb 826	101	100	100	99	89724	75215	49913	
110815.D	50 ppb 826	99	101	101	99	90079	76555	49605	
110816.D	100 ppb 82	100	99	101	99	90209	77727	50521	
110817.D	150 ppb 82	101	100	101	100	87265	74546	50457	
110818.D	200 ppb 82	101	103	103	95	87283	73762	52648	
110820.D	10 ppb 826	102	101	99	96	83510	70248	47550	

(fails) - fails 12hr time check * - fails criteria

Created: Tue Nov 08 17:33:41 2022 GCMS4

GC/MS QA-QC Check Report

Tune File : Y:\Proc_GCMS4\11-18-22\111810.D

Tune Time : 18 Nov 2022 5:45 pm

Daily Calibration File : Y:\Proc_GCMS4\11-18-22\111810.D

(DMF) (DHL) (TOL) (BFB)

57896 55214 36746

File	Sample	Surrogate	Recovery %	Internal Standard Responses				
111811.D	211195-08	101	96	124*	127*	61000	58936	40242
111812.D	211195-08	105	98	121*	127*	59761	56051	41155
111813.D	211237-01	103	99	109	103	62898	59930	38633
111814.D	211237-01	106	96	107	98	59344	55800	37323
111816.D	instrument	107	97	106	99	60890	57029	38010
111817.D	211188-02	108	98	111	105	60188	56153	38471
111818.D	211195-08	100	93	126*	128*	60712	58513	39777
111819.D	211195-17	104	100	105	101	61721	57031	37735
111820.D	211195-19	103	93	103	97	62973	57000	38760
111821.D	211195-20	104	97	104	96	58890	53367	36851

(fails) - fails 12hr time check * - fails criteria

Created: Tue Nov 22 09:15:04 2022 GCMS4

GC/MS QA-QC Check Report

Tune File : Y:\Proc_GCMS4\11-19-22\111902.D

Tune Time : 19 Nov 2022 2:07 pm

Daily Calibration File : Y:\Proc_GCMS4\11-19-22\111902.D

(DMF) (DHL) (TOL) (BFB)

59152 55747 38050

File	Sample	Surrogate	Recovery %	Internal	Standard	Responses
111907.D	02-2765 lc	107	97 109 100	58774	56015	37611
111909.D	02-2765 mb	104	95 105 96	59887	56485	38274
111910.D	211285-01	105	92 104 99	58528	53425	36248
111911.D	211249-01	108	98 104 100	56418	51512	36773
111912.D	211285-01	102	98 109 102	60664	59266	38574
111913.D	211285-01	105	98 107 98	63653	60650	41050

(fails) - fails 12hr time check * - fails criteria

Created: Tue Nov 22 11:44:01 2022 GCMS4

GC/MS QA-QC Check Report

Tune File : S:\Proc_GCMS11\11-03-22\110317.D

Tune Time : 03 Nov 2022 12:23 pm

Daily Calibration File : D:\Proc_GCMS11\10-06-22\100628.D

(DMF) (DHL) (TOL) (BFB)

89223

74582

42734

File	Sample	Surrogate Recovery %				Internal Standard Responses		
110320.D	0.02 ppb 8	97	99	99	0+	60933	43253	24976
110321.D	0.04 ppb 8	100	103	99	101	59193	42331	24877
110322.D	0.1 ppb 82	102	99	97	0+	58277	41908	24172
110323.D	0.2 ppb 82	96	102	100	104	61311	44921	25317
110324.D	0.5 ppb 82	105	102	95	98	56175	38800	23992
110325.D	1 ppb 8260	101	103	99	101	57426	40297	23765
110326.D	2 ppb 8260	105	103	97	98	55599	39499	23208
110327.D	5 ppb 8260	102	99	104	99	58345	43222	25178
110329.D	20 ppb 826	103	104	100	99	55034	40247	23886
110330.D	50 ppb 826	101	105	101	99	55430	40353	23738
110331.D	100 ppb 82	100	92	101	97	54152	39544	23400
110332.D	150 ppb 82	94	93	103	100	58941	44229	25485
110333.D	200 ppb 82	95	94	101	99	58470	44224	25881
110335.D	10 ppb 826	96	101	104	103	60742	45630	25827
110337.D	02-2635 1c	95	95	104	102	60393	45753	26400
110338.D	02-2635 1c	96	98	103	107	60082	44550	25177
110339.D	02-2634 1c	102	99	104	98	57286	42689	25542
110340.D	02-2634 1c	99	100	101	99	58603	42734	25488

(fails) - fails 12hr time check * - fails criteria

GC/MS QA-QC Check Report

Tune File : Y:\Proc_GCMS11\11-19-22\111904.D

Tune Time : 19 Nov 2022 09:44 pm

Daily Calibration File : Y:\Proc_GCMS11\11-19-22\111904.D

(DMF) (DHL) (TOL) (BFB)

42230 35612 20708

File	Sample	Surrogate Recovery %				Internal Standard Responses		
111907.D	211254-02	95	99	104	104	44287	35181	18934
111908.D	211254-03	94	98	104	102	43698	33675	19043
111909.D	211254-04	94	105	106	102	43492	34204	20238
111910.D	211254-05	103	97	115*	111	43654	34548	19065
111911.D	211254-09	100	101	97	97	41216	29088	17098
111912.D	211254-07	94	94	102	101	44052	33307	18958
111915.D	211213-08	94	100	105	102	42749	32942	18771

(fails) - fails 12hr time check * - fails criteria

Created: Tue Nov 22 10:53:02 2022 GCMS11

GC/MS QA-QC Check Report

Tune File : D:\Proc_GCMS13\11-05-22\110503.D

Tune Time : 05 Nov 2022 10:22 am

Daily Calibration File : D:\Proc_GCMS13\11-05-22\110514.D

(DMF) (DHL) (TOL) (BFB)

104308

87057

51133

File	Sample	Surrogate Recovery %				Internal Standard Responses		
110506.D	0.02 ppb 8	101	100	99	104	110742	89451	50648
110507.D	0.04 ppb 8	95	104	99	106	111750	92506	50709
110508.D	0.1 ppb 82	102	104	100	105	109470	90583	50314
110509.D	0.2 ppb 8	101	104	97	105	108326	89660	50001
110510.D	0.5 ppb 82	101	95	96	100	111564	90038	50622
110511.D	1 ppb 8260	99	102	101	99	110201	89750	52061
110512.D	2 ppb 8260	100	99	100	98	108368	87014	51026
110513.D	5 ppb 8260	97	97	99	100	109707	88629	50120
110514.D	10 ppb 826	100	105	102	100	104308	87057	51133
110515.D	20 ppb 826	100	97	101	96	105008	89462	52775
110516.D	50 ppb 826	101	94	100	95	104359	89151	54409
110517.D	100 ppb 82	101	98	103	96	105192	89610	53646
110518.D	150 ppb 82	98	100	102	95	106741	92515	56204
110519.D	200 ppb 82	102	103	102	94	105227	91763	54540

(fails) - fails 12hr time check * - fails criteria

Created: Mon Nov 07 15:53:07 2022 GCMS13

GC/MS QA-QC Check Report

Tune File : D:\Proc_GCMS13\11-07-22\110706.D

Tune Time : 07 Nov 2022 10:34 am

Daily Calibration File : D:\Proc_GCMS13\11-07-22\110706.D

(DMF) (DHL) (TOL) (BFB)

107809 88712 52143

File Sample Surrogate Recovery % Internal Standard Responses

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110706.D	10 ppb	826	101	103	101	98	107809	88712	52143
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(fails) - fails 12hr time check * - fails criteria

Created: Mon Nov 07 15:51:48 2022 GCMS13

GC/MS QA-QC Check Report

Tune File : Y:\Proc_GCMS13\11-18-22\111803.D

Tune Time : 18 Nov 2022 06:14 am

Daily Calibration File : Y:\Proc_GCMS13\11-18-22\111803.D

(DMF) (DHL) (TOL) (BFB)

96488 88501 52821

File	Sample	Surrogate Recovery %				Internal Standard Responses		
111804.D	02-2769 lc	95	92	94	95	105447	89670	53179
111805.D	02-2769 lc	104	96	101	94	94745	86932	52583
111807.D	02-2769 mb	109	97	102	99	98432	91850	53151
111808.D	02-2768 mb	107	98	105	98	97125	92765	54272
111809.D	02-2639 lc	107	98	101	98	101161	90548	52890
111810.D	02-2639 lc	96	91	92	95	106181	87293	52791
111811.D	02-2639 lc	103	95	101	97	97833	89169	53087
111814.D	211213-01	103	97	103	99	97000	89445	53928
111815.D	211213-02	104	99	101	99	98751	89329	52898
111816.D	211213-03	102	99	100	97	97573	86962	53581
111817.D	211213-04	104	99	105	97	95216	88255	53646
111818.D	211213-05	105	112	103	96	96892	89032	53018
111819.D	211213-06	104	98	103	101	100506	89928	54139
111820.D	211213-08	104	97	101	102	99789	91501	53112
111821.D	211213-09	105	102	102	97	96019	89468	53592
111822.D	211213-10	91	91	92	98	108780	90291	53037
111823.D	211213-11	95	87	92	100	109200	91491	53189
111824.D	211213-12	104	104	105	101	98517	92749	52819
111825.D	211213-08	105	106	105	101	96781	91399	53734

111826.D

02-2639 mb 100 95 102 102 89886 79445 44836

111827.D

211242-01 99 91 100 100 86748 72600 42139

(fails) - fails 12hr time check * - fails criteria

Created: Mon Nov 21 09:51:55 2022 GCMS13

GC/MS QA-QC Check Report

Tune File : Y:\Proc_GCMS13\11-18-22\111829.D

Tune Time : 18 Nov 2022 06:31 pm

Daily Calibration File : Y:\Proc_GCMS13\11-18-22\111829.D

(DMF) (DHL) (TOL) (BFB)

94077 87816 50565

File	Sample	Surrogate	Recovery %				Internal Standard	Responses	
111832.D	02-2753 mb	100	98	101	97	97712	89879	53885	
111833.D	211237-06	96	94	92	99	108572	89263	52365	
111834.D	211213-07	110	108	102	101	95999	88611	52081	
111835.D	211239-01	94	94	92	97	107955	89116	53883	
111836.D	211239-02	106	97	103	103	97902	87507	53566	
111837.D	211239-03	106	102	101	94	95033	88614	54424	
111838.D	211239-04	93	97	92	95	108114	91466	55775	
111839.D	211239-05	102	99	101	97	98509	90557	55381	
111840.D	211239-06	103	99	101	96	99220	91005	55811	
111841.D	211239-07	101	101	99	96	100540	92599	55844	
111842.D	211239-08	94	88	93	95	111399	95270	58027	
111843.D	211239-09	103	99	101	94	100247	93817	57117	
111844.D	211239-10	96	92	91	97	113233	95608	57597	
111845.D	211237-01	104	98	101	95	102787	96113	56780	
111846.D	211237-02	106	103	102	98	101735	95597	57487	
111847.D	211237-03	91	89	91	98	110698	88861	51740	
111848.D	211237-04	101	94	102	93	102670	94925	59899	
111849.D	211237-05	93	92	92	95	112879	95887	58726	
111850.D	211237-07	106	101	103	94	102361	97130	58863	

111851.D

211237-08

95

88

93

97

111049

94412

57236

(fails) - fails 12hr time check * - fails criteria

Created: Mon Nov 21 10:36:19 2022 GCMS13

GC/MS QA-QC Check Report

Tune File : D:\Proc_GCMS13\11-19-22\111905.D

Tune Time : 19 Nov 2022 09:44 pm

Daily Calibration File : D:\Proc_GCMS13\11-19-22\111905.D

(DMF) (DHL) (TOL) (BFB)

RF

File	Sample	Surrogate	Recovery %	Internal	Standard	Responses
111908.D	02-2765 mb	104	101	102	94	98900 93855 57108
111909.D	211274-01	97	95	96	95	108206 94744 57258
111910.D	211274-02	96	91	95	97	107291 92938 56317
111911.D	211274-03	106	98	100	97	100314 94264 56660
111912.D	211274-04	105	96	101	96	99656 92879 56506
111913.D	211274-05	104	104	103	96	99589 94508 56069
111914.D	211274-06	105	101	102	95	98759 92257 55539
111915.D	211274-07	104	97	101	98	100019 94013 55245
111916.D	211274-08	104	101	101	95	100579 94045 56588
111917.D	211274-09	104	94	100	94	99956 91649 56869
111918.D	211274-10	104	97	103	97	99184 93873 54545
111919.D	211274-11	95	89	94	97	107962 93439 55678
111920.D	211274-12	96	98	94	98	108530 93740 55210
111921.D	211274-13	98	91	95	95	106070 92784 56293

(fails) - fails 12hr time check * - fails criteria

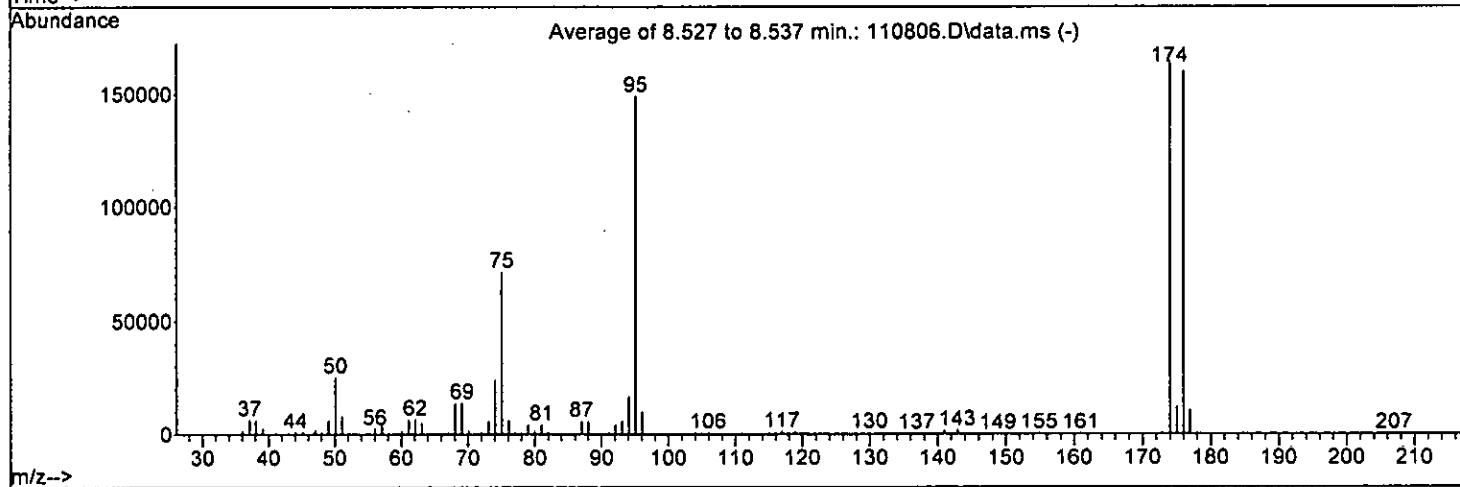
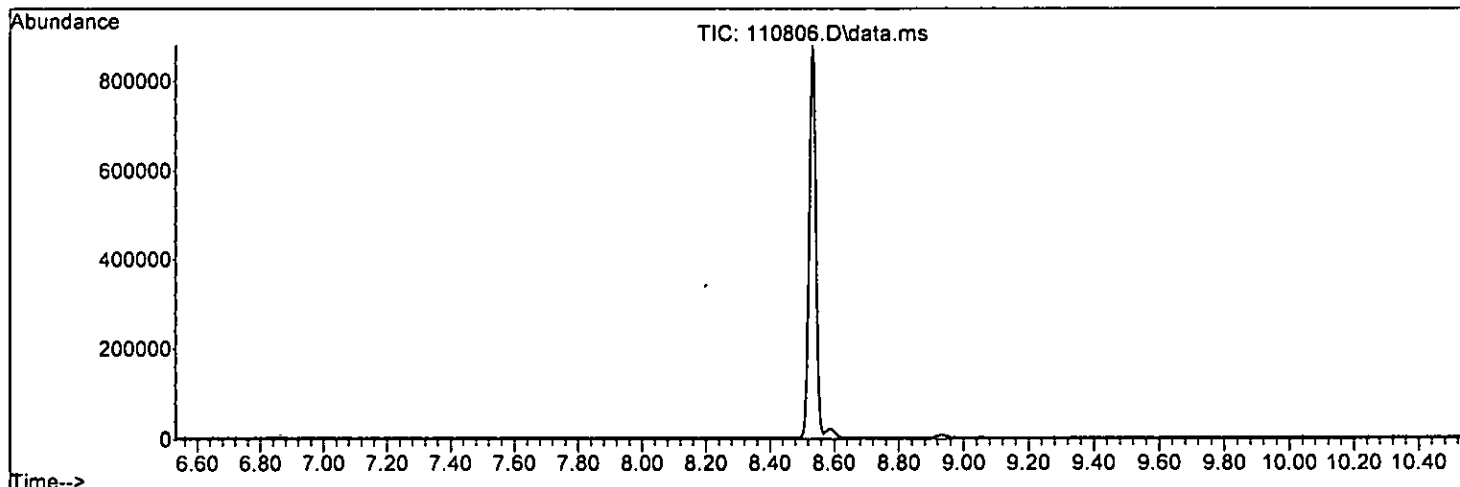
Created: Mon Nov 21 12:05:02 2022 GCMS13

EPA 8260D
Tune Summaries

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110806.D
 Acq On : 8 Nov 2022 11:14 am
 Operator : LM
 Sample : 50 ng 8FB 67-152A
 Misc : direct inject
 ALS Vial : 100 Sample Multiplier: 1

Integration File: LSCINT.P

Method : D:\Methods\Inst4\VB110822ms4.M
 Title : 8260 Purge & Trap Volatiles
 Last Update : Tue Nov 08 16:47:05 2022



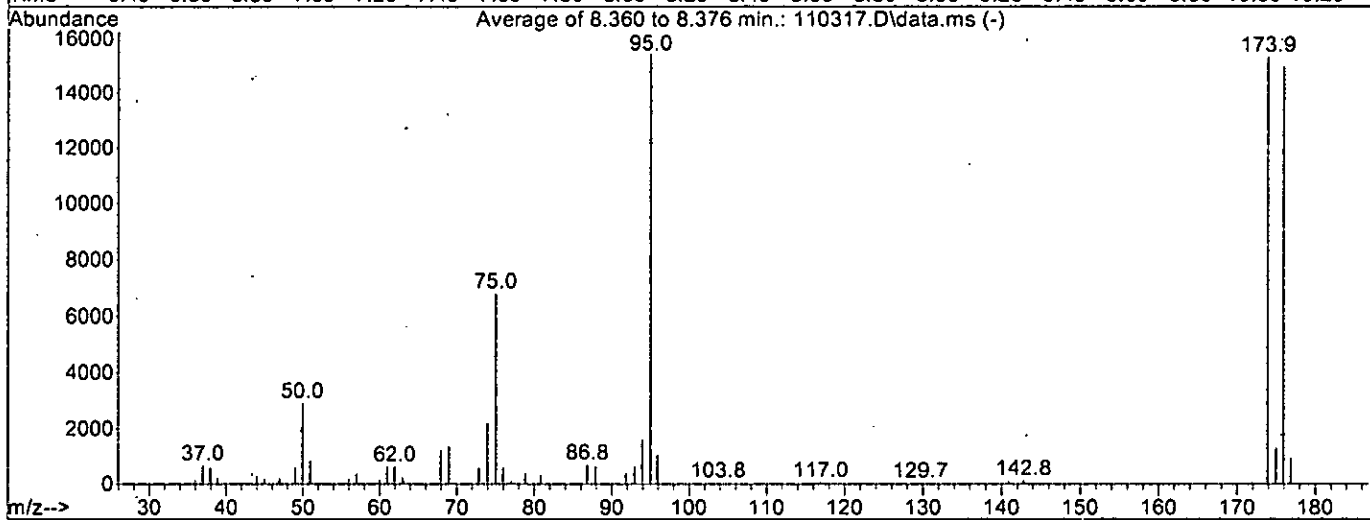
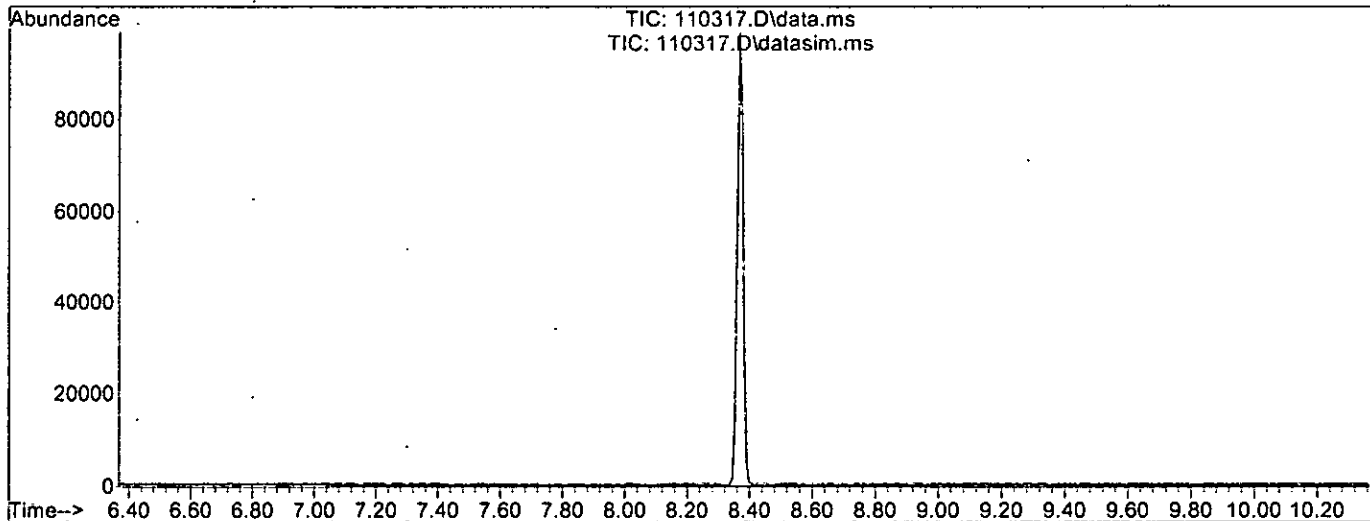
AutoFind: Scans 1519, 1520, 1521; Background Corrected with Scan 1510

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
95	174	50	200	90.7	149152	PASS
96	95	5	9	6.7	10011	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	200	110.2	164392	PASS
175	174	5	9	7.5	12251	PASS
176	174	95	105	97.4	160173	PASS
177	176	5	10	6.6	10611	PASS

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110317.D
 Acq On : 03 Nov 2022 12:23 pm
 Operator : LM
 Sample : 50 ng BFB 67-152A
 Misc : water
 ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: LSCINT.P
 Integration File signal 2: rteint2.p

Method : D:\METHODS\Inst11\VB101422ms11.M
 Title : 8260 Purge & Trap Volatiles Dual Acquisition
 Last Update : Tue Oct 18 12:50:16 2022



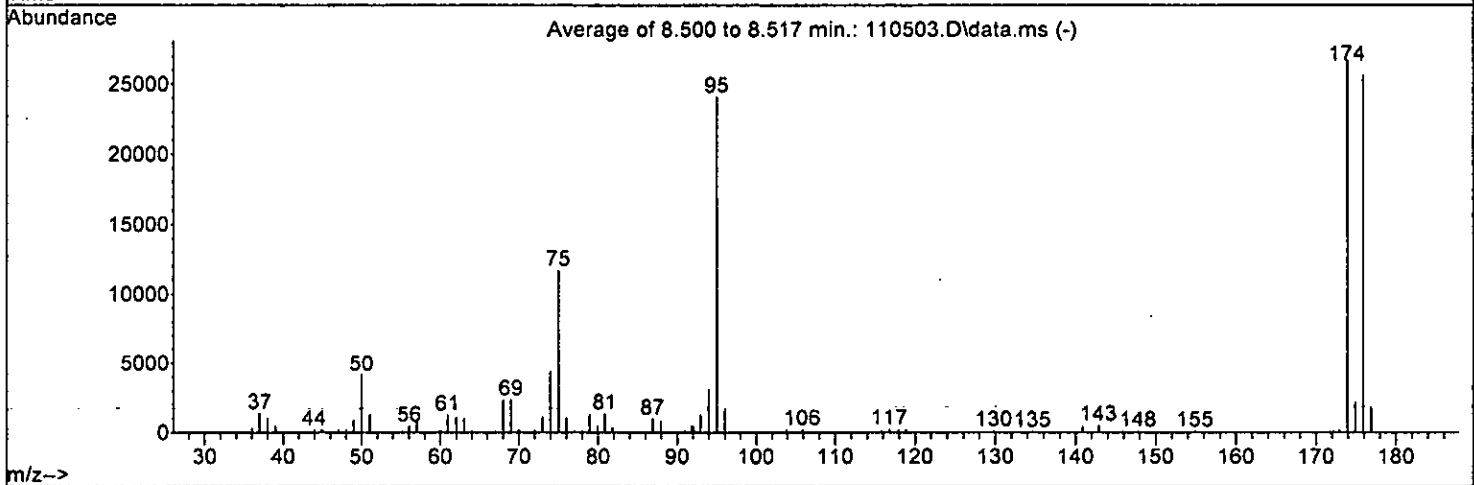
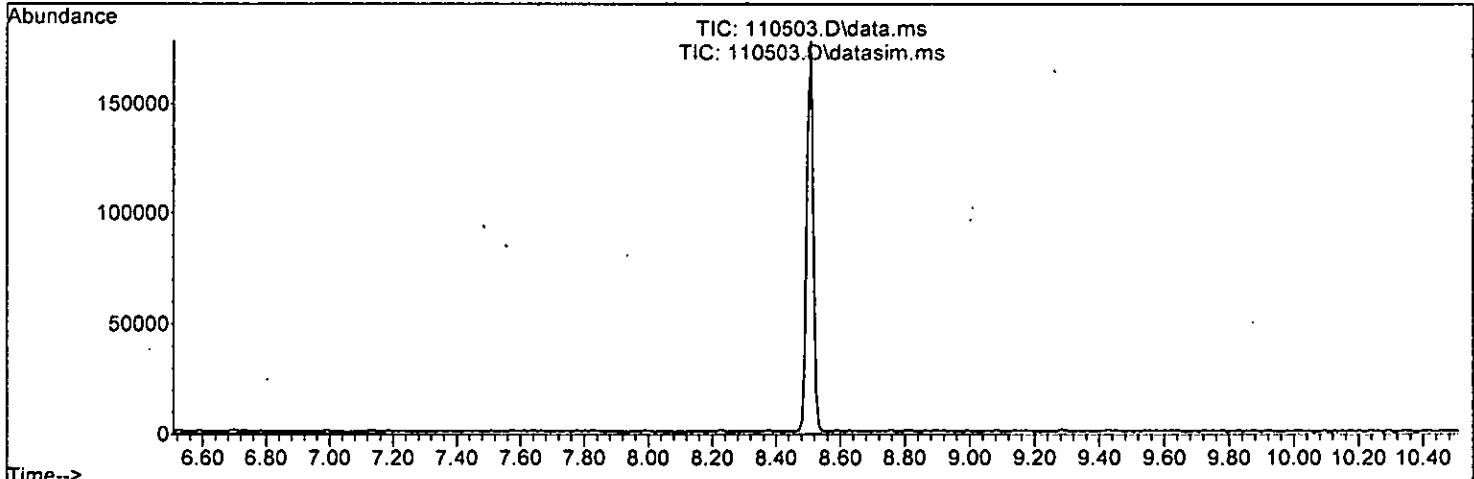
AutoFind: Scans 884, 885, 886; Background Corrected with Scan 879

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
95	174	50	200	101.0	15445	PASS
96	95	5	9	7.0	1082	PASS
173	174	0.00	2	0.4	67	PASS
174	95	50	200	99.0	15294	PASS
175	174	5	9	8.6	1317	PASS
176	174	95	105	97.6	14934	PASS
177	176	5	10	6.6	981	PASS

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110503.D
 Acq On : 05 Nov 2022 10:22 am
 Operator : VM
 Sample : 50 ng BFB 67-152A
 Misc : water
 ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: LSCINT.P
 Integration File signal 2: rteint2.p

Method : D:\Methods\Inst13\VB110522ms13.M
 Title : 8260 Purge & Trap Volatiles Dual Acquisition
 Last Update : Mon Nov 07 10:10:04 2022



AutoFind: Scans 715, 716, 717; Background Corrected with Scan 709

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
95	174	50	200	90.0	24071	PASS
96	95	5	9	6.7	1621	PASS
173	174	0.00	2	0.6	157	PASS
174	95	50	200	111.1	26747	PASS
175	174	5	9	8.0	2142	PASS
176	174	95	105	95.8	25611	PASS
177	176	5	10	6.9	1773	PASS

EPA 8260D
Initial Calibrations

Compound List Report GCMS4

Method Path : D:\Methods\Inst4\
 Method File : VB110822ms4.M
 Title : 8260 Purge & Trap Volatiles
 Last Update : Tue Nov 08 16:47:05 2022
 Response Via : Initial Calibration

Total Cpnds : 76

PK#	Compound Name	QIon	Exp_RT	Rel_RT	Cal	#Qual	A/H	ID
1	I Fluorobenzene	96	4.78	1.000	A	1	A	B
2	T Ethanol	45	1.07	0.224	A	1	A	B
3	S Dibromofluoromethane	113	4.21	0.882	A	0	A	B
4	T Dichlorodifluoromethane	85	1.17	0.246	A	1	A	B
5	T Chloromethane	50	1.31	0.275	A	1	A	B
6	T Vinyl chloride	62	1.40	0.293	A	1	A	B
7	T Bromomethane	94	1.62	0.340	A	1	A	B
8	T Chloroethane	64	1.70	0.355	A	1	A	B
9	T Trichlorofluoromethane	101	1.90	0.397	A	1	A	B
10	T 2-Propanol	45	2.99	0.625	A	1	A	B
11	T Acetone	58	2.38	0.498	Q	1	A	B
12	T 1,1-Dichloroethene	96	2.32	0.486	A	2	A	B
13	T Hexane	57	3.21	0.672	A	2	A	B
14	T Methylene chloride	84	2.73	0.572	L	2	A	B
15	T t-Butyl alcohol (TBA)	59	2.87	0.600	A	1	A	B
16	T Methyl t-butyl ether (MTBE)	73	2.99	0.625	A	1	A	B
17	T trans-1,2-Dichloroethene	96	2.97	0.621	A	2	A	B
18	T Diisopropyl ether (DIPE)	45	3.40	0.712	A	3	A	B
19	T 1,1-Dichloroethane	63	3.32	0.696	A	2	A	B
20	T Ethyl t-butyl ether (ETBE)	87	3.71	0.776	A	3	A	B
21	T 2,2-Dichloropropane	77	3.81	0.797	Q	1	A	B
22	T cis-1,2-Dichloroethene	96	3.81	0.797	A	2	A	B
23	T Chloroform	83	4.08	0.853	L	1	A	B
24	T 2-Butanone (MEK)	43	3.83	0.802	A	2	A	B
25	T t-Amyl methyl ether (TAME)	73	4.65	0.974	A	2	A	B
26	T 1,2-Dichloroethane (EDC)	62	4.55	0.953	A	1	A	B
27	T 1,1,1-Trichloroethane	97	4.23	0.886	A	2	A	B
28	T 1,1-Dichloropropene	75	4.37	0.915	A	2	A	B
29	T Carbon tetrachloride	117	4.37	0.915	A	1	A	B
30	S 1,2-Dichloroethane-d4	102	4.49	0.940	A	0	A	B
31	T Benzene	78	4.54	0.951	A	1	A	B
32	T Trichloroethene	95	5.09	1.064	A	3	A	B
33	T 1,2-Dichloropropane	63	5.28	1.105	A	1	A	B
34	T Bromodichloromethane	83	5.51	1.153	A	2	A	B
35	S Toluene-d8	98	6.14	1.285	A	0	A	B
36	T Dibromomethane	93	5.37	1.125	A	2	A	B
37	T 4-Methyl-2-pentanone	85	6.05	1.266	A	3	A	B
38	T cis-1,3-Dichloropropene	75	5.90	1.235	A	2	A	B
39	I Chlorobenzene-d5	117	7.43	1.000	A	0	A	B
40	T Toluene	92	6.20	0.834	A	1	A	B
41	T trans-1,3-Dichloropropene	75	6.39	0.859	A	2	A	B
42	T 1,1,2-Trichloroethane	83	6.55	0.882	A	2	A	B
43	T 2-Hexanone	43	6.79	0.913	A	3	A	B
44	T 1,3-Dichloropropane	76	6.70	0.902	A	1	A	B
45	T Tetrachloroethene	164	6.69	0.899	A	3	A	B
46	T Dibromochloromethane	129	6.91	0.929	Q	1	A	B
47	T 1,2-Dibromoethane (EDB)	107	7.00	0.942	A	2	A	B
48	T Chlorobenzene	112	7.46	1.003	A	2	A	B
49	T Ethylbenzene	91	7.57	1.018	A	1	A	B
50	T 1,1,1,2-Tetrachloroethane	131	7.54	1.014	A	2	A	B
51	T m,p-Xylene	106	7.68	1.033	A	1	A	B
52	T o-Xylene	106	8.05	1.082	A	1	A	B
53	T Styrene	104	8.06	1.084	A	1	A	B
54	T Isopropylbenzene	105	8.40	1.130	A	1	A	B
55	T Bromoform	173	8.22	1.106	Q	2	A	B

56	I	1,4-Dichlorobenzene-d4	152	9.65	1.000	A	2	A	B
57	S	4-Bromofluorobenzene	95	8.54	0.885	A	2	A	B
58	T	n-Propylbenzene	91	8.79	0.911	A	1	A	B
59	T	Bromobenzene	156	8.68	0.899	A	2	A	B
60	T	1,3,5-Trimethylbenzene	105	8.97	0.929	A	1	A	B
61	T	1,1,2,2-Tetrachloroethane	83	8.68	0.899	A	2	A	B
62	T	1,2,3-Trichloropropane	75	8.71	0.903	A	1	A	R
63	T	2-Chlorotoluene	91	8.87	0.919	A	1	A	B
64	T	4-Chlorotoluene	91	8.97	0.930	A	1	A	B
65	T	tert-Butylbenzene	119	9.28	0.962	A	2	A	B
66	T	1,2,4-Trimethylbenzene	105	9.33	0.966	A	1	A	B
67	T	sec-Butylbenzene	105	9.49	0.984	A	1	A	B
68	T	p-Isopropyltoluene	119	9.64	0.998	A	2	A	B
69	T	1,3-Dichlorobenzene	146	9.59	0.994	A	2	A	B
70	T	1,4-Dichlorobenzene	146	9.68	1.003	A	2	A	B
71	T	1,2-Dichlorobenzene	146	10.04	1.040	A	2	A	B
72	T	1,2-Dibromo-3-chloropropane	75	10.80	1.119	A	2	A	B
73	T	1,2,4-Trichlorobenzene	180	11.62	1.204	A	2	A	B
74	T	Hexachlorobutadiene	225	11.81	1.223	A	2	A	B
75	T	Naphthalene	128	11.86	1.229	A	2	A	B
76	T	1,2,3-Trichlorobenzene	180	12.10	1.254	A	2	A	B

Cal A = Average L = Linear LO = Linear w/origin Q = Quad QO = Quad w/origin

#Qual = number of qualifiers

A/H = Area or Height

ID R = R.T. B = R.T. & Q Q = Qvalue L = Largest A = All

VB110822ms4.M Tue Nov 08 17:32:05 2022

Calibration Status Report GCMS4

Method Path : D:\Methods\Inst4\
 Method File : VB110822ms4.M
 Title : 8260 Purge & Trap Volatiles
 Last Update : Tue Nov 08 16:47:05 2022
 Response Via : Initial Calibration

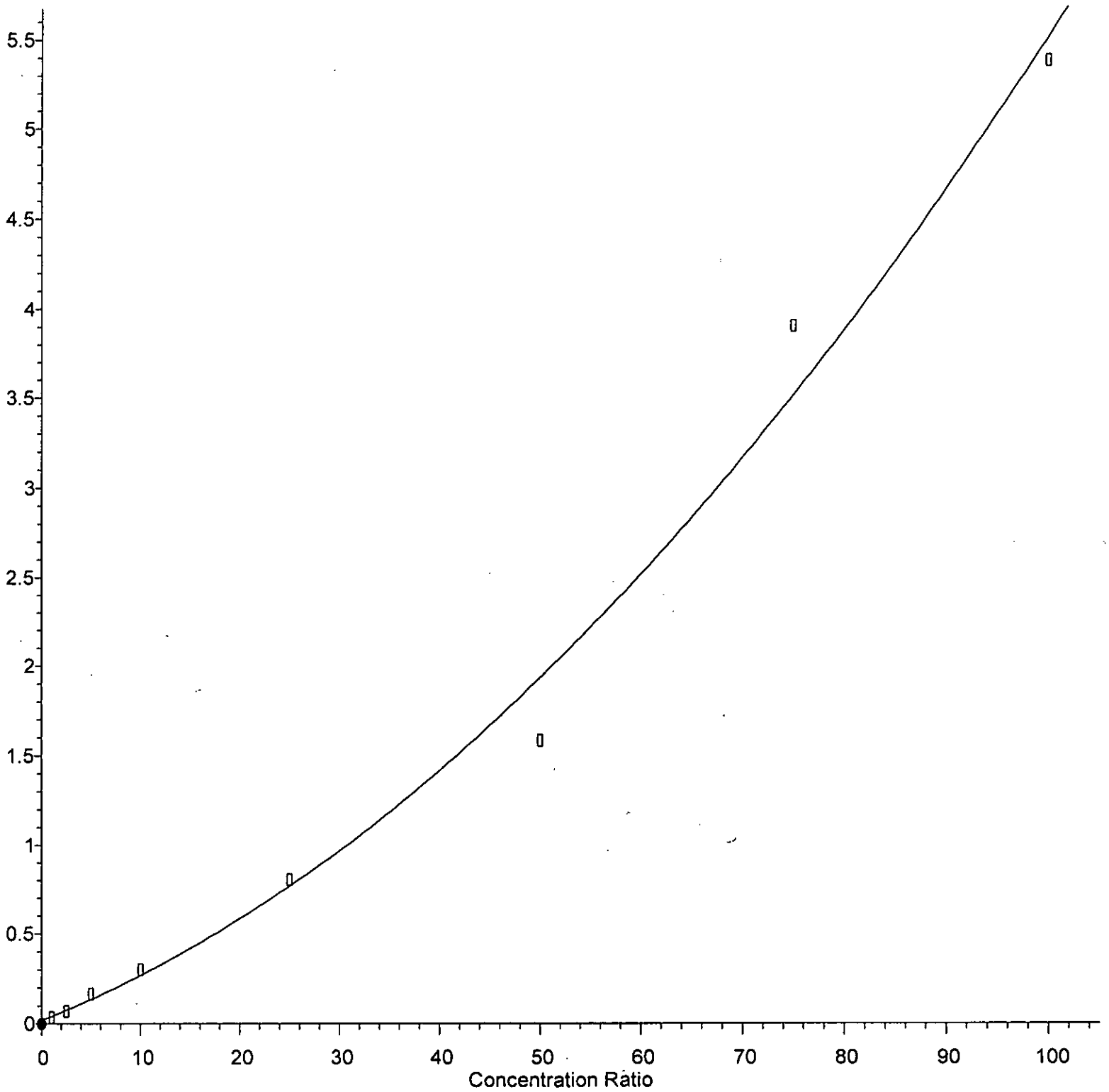
#	ID	Conc	ISTD Conc	Path\File
2	0.2	10	10	D:\Proc_GCMS4\11-08-22\110808.D
3	0.5	10	10	D:\Proc_GCMS4\11-08-22\110809.D
4	1	10	10	D:\Proc_GCMS4\11-08-22\110810.D
5	2	10	10	D:\Proc_GCMS4\11-08-22\110811.D
6	5	10	10	D:\Proc_GCMS4\11-08-22\110812.D
7	10	10	10	D:\Proc_GCMS4\11-08-22\110813.D
8	20	10	10	D:\Proc_GCMS4\11-08-22\110814.D
9	50	10	10	D:\Proc_GCMS4\11-08-22\110815.D
10	100	10	10	D:\Proc_GCMS4\11-08-22\110816.D
11	150	10	10	D:\Proc_GCMS4\11-08-22\110817.D

#	ID	Update Time	Quant Time	Acquisition Time
2	0.2	Nov 08 16:43 2022	Nov 08 16:36 2022	8 Nov 2022 12:05 pm
3	0.5	Nov 08 16:43 2022	Nov 08 16:40 2022	8 Nov 2022 12:29 pm
4	1	Nov 08 16:43 2022	Nov 08 16:41 2022	8 Nov 2022 12:53 pm
5	2	Nov 08 16:43 2022	Nov 08 16:41 2022	8 Nov 2022 1:17 pm
6	5	Nov 08 16:43 2022	Nov 08 16:36 2022	8 Nov 2022 1:42 pm
7	10	Nov 08 16:43 2022	Nov 08 16:36 2022	8 Nov 2022 2:06 pm
8	20	Nov 08 16:43 2022	Nov 08 16:36 2022	8 Nov 2022 2:30 pm
9	50	Nov 08 16:43 2022	Nov 08 16:41 2022	8 Nov 2022 2:55 pm
10	100	Nov 08 16:43 2022	Nov 08 16:41 2022	8 Nov 2022 3:19 pm
11	150	Nov 08 16:43 2022	Nov 08 16:42 2022	8 Nov 2022 3:43 pm

VB110822ms4.M Tue Nov 08 17:32:09 2022

Acetone

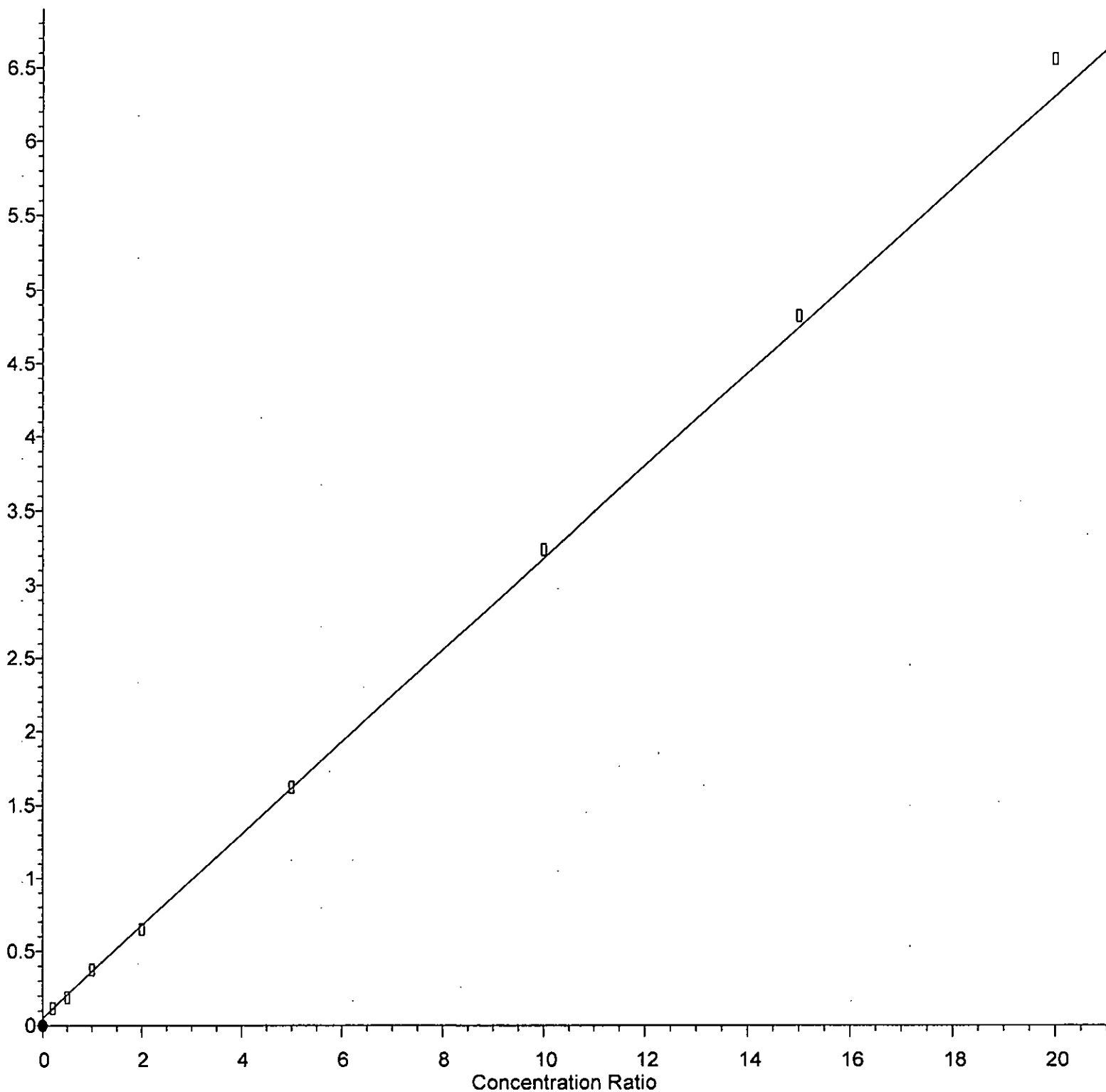
Response Ratio



$R = 3.368e-004 A^2 + 2.144e-002 A + 1.929e-002$
Coef of Det (r^2) = 0.990664 Curve Fit: Quadratic w(1/a)
Method Name: D:\Methods\Inst4\VB110822ms4.M
Calibration Table Last Updated: Tue Nov 08 16:47:05 2022

Methylene chloride

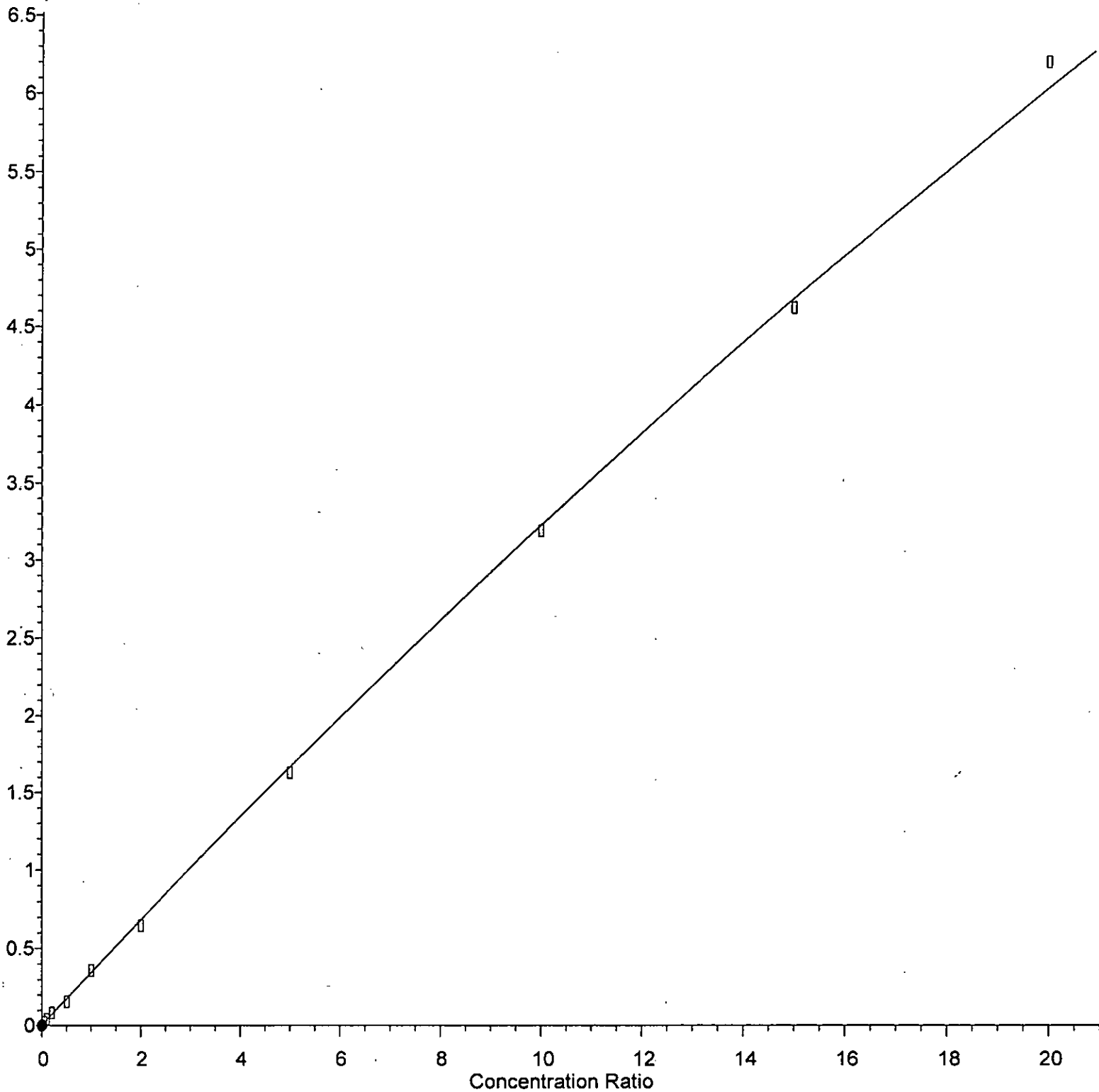
Response Ratio



Response = $3.130e-001 * Amt + 5.033e-002$
Coef of Det (r^2) = 0.995771 Curve Fit: wlr(1/a^2)
Method Name: D:\Methods\Inst4\VB110822ms4.M
Calibration Table Last Updated: Tue Nov 08 16:47:05 2022

2,2-Dichloropropane

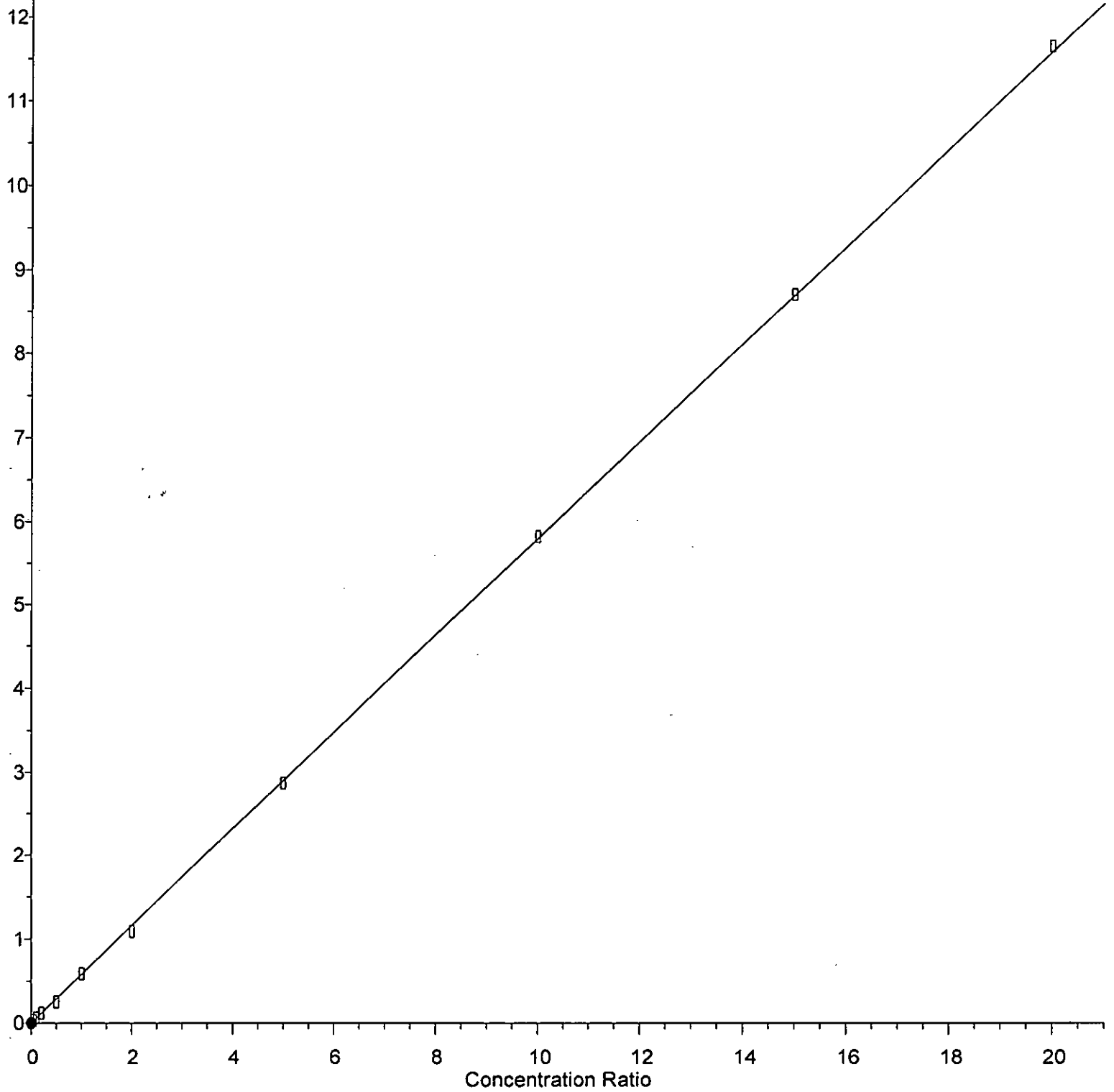
Response Ratio



R = -2.037e-003 A*A + 3.424e-001 A + 5.222e-003
Coef of Det (r^2) = 0.992815 Curve Fit: Quadratic w(1/a^2)
Method Name: D:\Methods\Inst4\VB110822ms4.M
Calibration Table Last Updated: Tue Nov 08 16:47:05 2022

Chloroform

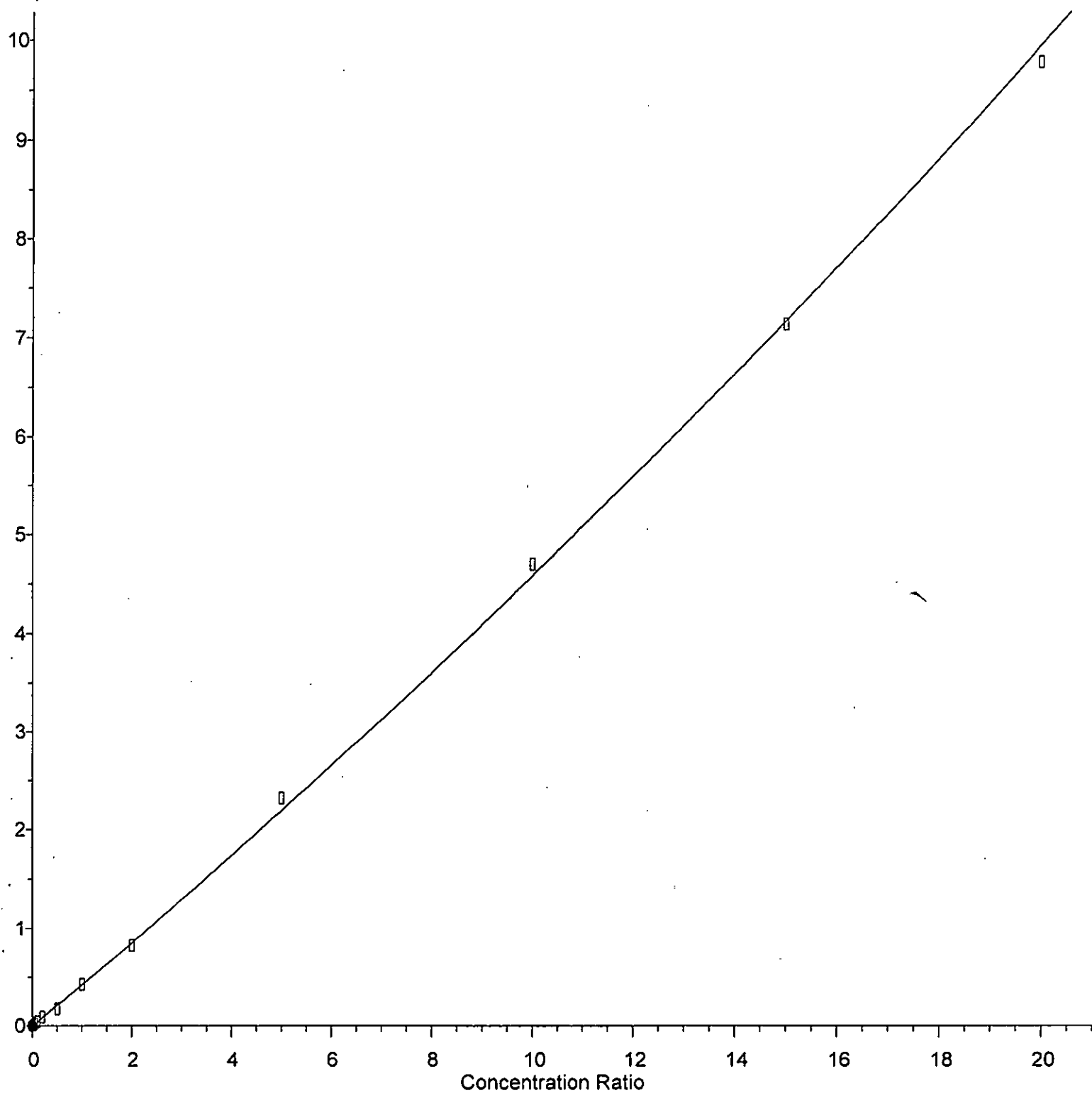
Response Ratio



Response = $5.799e-001 * Amt + 7.110e-004$
Coef of Det (r^2) = 0.999640 Curve Fit: wlr(1/a)
Method Name: D:\Methods\Inst4\VB110822ms4.M
Calibration Table Last Updated: Tue Nov 08 16:47:05 2022

Dibromochloromethane

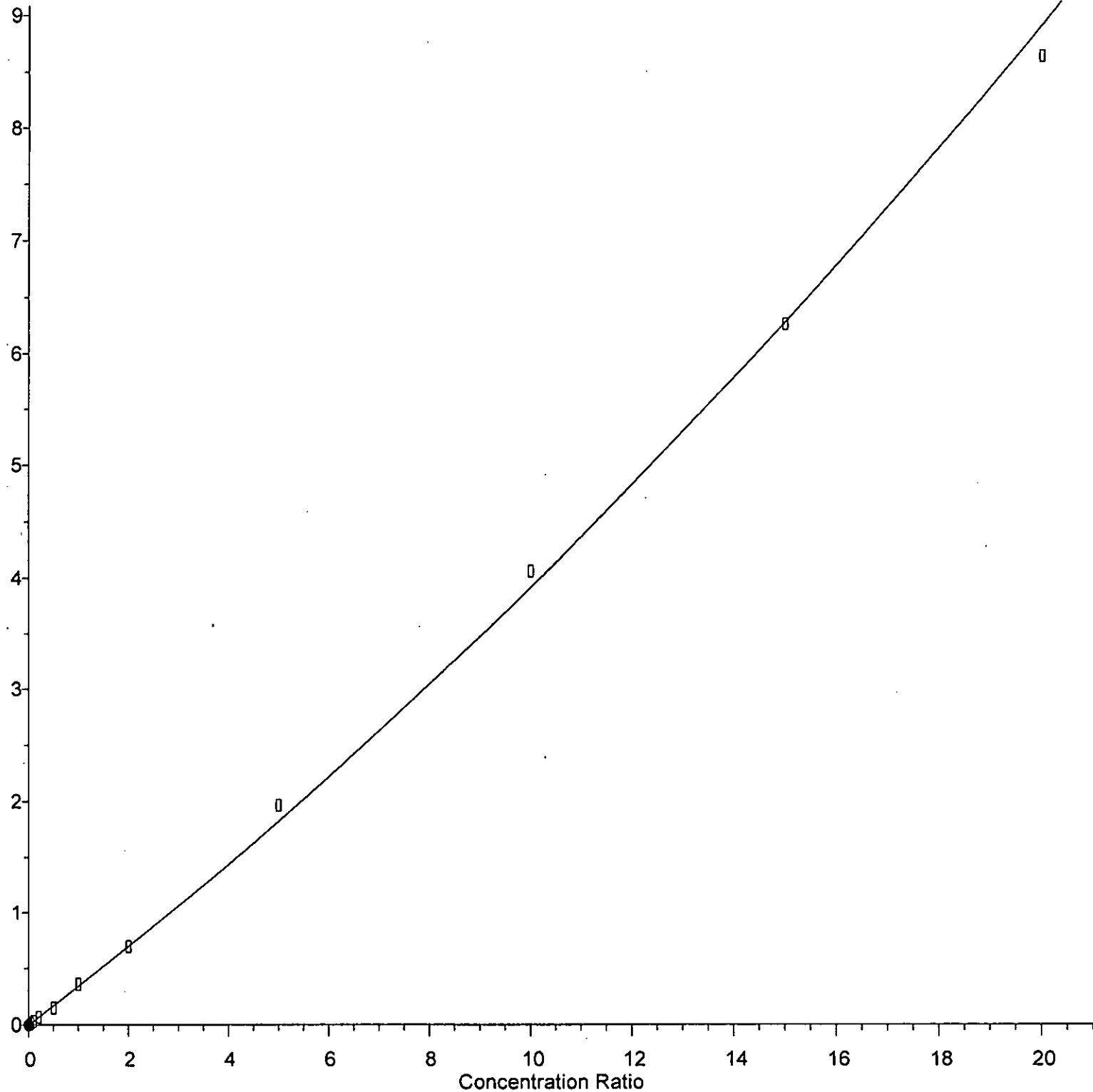
Response Ratio



$R = 3.961e-003 A^2 + 4.190e-001 A - 1.177e-003$
Coef of Det (r^2) = 0.995762 Curve Fit: Quadratic w(1/a^2)
Method Name: D:\Methods\Inst4\VB110822ms4.M
Calibration Table Last Updated: Tue Nov 08 16:47:05 2022

Bromoform

Response Ratio



$R = 5.456e-003 A^2 + 3.370e-001 A - 1.999e-004$
Coef of Det (r^2) = 0.996640 Curve Fit: Quadratic w(1/a^2)
Method Name: D:\Methods\Inst4\VB110822ms4.M
Calibration Table Last Updated: Tue Nov 08 16:47:05 2022

Response Factor Report GCMS4

Method Path : D:\Methods\Inst4\
 Method File : V8110822ms4.M
 Title : 8260 Purge & Trap Volatiles
 Last Update : Tue Nov 08 16:47:05 2022
 Response Via : Initial Calibration

Calibration Files
 0.2 =110808.D 0.5 =110809.D 1 =110810.D 2 =110811.D 5 =110812.D 10 =110813.D 20 =110814.D 50 =110815.D 100 =110816.D 150 =110817.D
 200 =110818.D

Compound	0.2	0.5	1	2	5	10	20	50	100	150	200	Avg	%RSD	
1) I Fluorobenzene												0.000#	-1.00	
2) TMP Ethanol														
3) 5 Dibromofluorom...	0.273	0.268	0.278	0.271	0.282	0.277	0.271	0.274	0.278	0.277	0.275		1.54	
4) TMP Dichlorodifluo...	0.319	0.394	0.372	0.447	0.410	0.429	0.430	0.439	0.445	0.410			10.28	
5) TMP Chloromethane					0.425	0.341	0.401	0.358	0.372	0.380	0.376	0.385	0.380	6.79
6) TMP Vinyl chloride	0.260	0.363	0.379	0.366	0.328	0.392	0.352	0.373	0.383	0.386	0.360		10.45	
7) TMP Bromomethane					0.175	0.222	0.143	0.174	0.142	0.155	0.161		0.168	
8) TMP Chloroethane					0.216	0.216	0.168	0.191	0.170	0.178	0.179	0.199	0.184	9.60
9) TMP Trichlorofluor...					0.541	0.583	0.486	0.574	0.525	0.570	0.583	0.590	0.562	6.69
10) TMP 2-Propanol													0.000	-1.00
11) TMP Acetone					0.035	0.028	0.033	0.030	0.032	0.032	0.052	0.054	0.037	27.39
12) TMP 1,1-Dichloroet...	0.399	0.385	0.351	0.351	0.281	0.325	0.304	0.315	0.318	0.317	0.323	0.333	10.51	
13) TMP Hexane					0.418	0.388	0.306	0.342	0.313	0.335	0.329	0.370	0.348	10.52
14) TMP Methylene chlo...					0.579	0.375	0.375	0.325	0.325	0.324	0.322	0.328	0.369	23.76
15) TMP t-Butyl alcoho...					0.059	0.052	0.045	0.052	0.049	0.052	0.052	0.050	0.051	7.02
16) TMP Methyl t-butyl...	0.895	1.025	1.018	1.041	0.851	0.990	0.912	0.965	0.980	0.994	1.015	0.971	6.22	
17) TMP trans-1,2-Dich...	0.440	0.353	0.383	0.363	0.299	0.347	0.317	0.340	0.343	0.343	0.353	0.353	10.24	
18) TMP Diisopropyl et...	0.950	0.948	0.962	0.925	0.753	0.872	0.821	0.876	0.885	0.891	0.890	0.889	6.88	
19) TMP 1,1-Dichloroet...	0.575	0.562	0.577	0.561	0.461	0.535	0.493	0.525	0.530	0.532	0.542	0.536	6.53	
20) TMP Ethyl t-butyl ...					0.428	0.460	0.451	0.371	0.430	0.397	0.428	0.432	0.427	5.92
21) TMP 2,2-Dichloropr...					0.425	0.422	0.414	0.312	0.358	0.323	0.326	0.319	0.308	14.07
22) TMP cis-1,2-Dichlo...	0.474	0.393	0.412	0.403	0.320	0.370	0.347	0.364	0.369	0.372	0.376	0.382	10.38	
23) TMP Chloroform					0.639	0.620	0.606	0.505	0.589	0.545	0.575	0.583	0.581	6.43
24) TMP 2-Butanone (MEK)					0.223	0.193	0.184	0.154	0.173	0.161	0.175	0.177	0.206	12.12
25) TMP t-Amyl methyl ...	0.998	0.991	0.985	1.031	0.825	0.975	0.899	0.965	0.977	0.965	0.977	0.965	0.987	5.78
26) TMP 1,2-Dichloroet...	0.466	0.453	0.467	0.475	0.374	0.434	0.406	0.436	0.438	0.432	0.439	0.438	6.58	
27) TMP 1,1,1-Trichlor...	0.591	0.537	0.560	0.569	0.453	0.532	0.495	0.522	0.532	0.531	0.534	0.532	6.86	
28) TMP 1,1-Dichloropr...	0.496	0.469	0.482	0.468	0.382	0.438	0.406	0.438	0.448	0.447	0.458	0.448	7.30	
29) TMP Carbon tetrach...	0.498	0.491	0.504	0.496	0.395	0.471	0.446	0.477	0.495	0.493	0.505	0.479	6.82	
30) S 1,2-Dichloroet...	0.064	0.064	0.060	0.063	0.064	0.064	0.063	0.064	0.063	0.063	0.063	0.063	1.88	
31) TMP Benzene	1.428	1.356	1.336	1.391	1.075	1.258	1.159	1.273	1.289	1.278	1.300	1.286	7.81	
32) TMP Trichloroethene	0.432	0.410	0.392	0.374	0.307	0.357	0.325	0.352	0.358	0.391	0.405	0.373	10.13	
33) TMP 1,2-Dichloropr...	0.249	0.301	0.306	0.302	0.245	0.289	0.268	0.289	0.294	0.291	0.295	0.284	7.45	
34) TMP Bromodichlorom...	0.447	0.463	0.440	0.451	0.348	0.419	0.394	0.436	0.447	0.447	0.456	0.432	7.79	
35) S Toluene-d8	0.984	0.995	0.998	0.976	0.992	1.009	1.005	1.009	1.008	1.017	1.028	1.002	1.48	
36) TMP Dibromomethane	0.212	0.226	0.228	0.228	0.183	0.218	0.203	0.217	0.220	0.218	0.220	0.216	6.05	
37) TMP 4-Methyl-2-pen...	0.075	0.087	0.076	0.076	0.065	0.075	0.071	0.079	0.081	0.079	0.081	0.077	7.91	

Response Factor Report GCMS4

Method Path : D:\Methods\Inst4\
 Method File : VB110822ms4.M
 Title : 8260 Purge & Trap Volatiles
 38) TMP cis-1,3-Dichlo... 0.518 0.513 0.535 0.502 0.431 0.502 0.466 0.512 0.522 0.520 0.525 0.504 5.96

39) I Chlorobenzene-d5 -----ISTD-----

40) TMP Toluene	0.975	1.005	1.043	1.057	0.809	0.942	0.905	0.971	0.966	0.971	1.002	0.968	7.02
41) TMP trans-1,3-Dich...	0.596	0.538	0.592	0.555	0.470	0.546	0.519	0.559	0.570	0.563	0.573	0.553	6.39
42) TMP 1,1,2-Trichlor...	0.321	0.290	0.320	0.316	0.252	0.287	0.270	0.292	0.293	0.288	0.294	0.293	7.11
43) TMP 2-Hexanone	0.381	0.319	0.328	0.276	0.317	0.296	0.326	0.323	0.317	0.322	0.320	0.320	8.25
44) TMP 1,3-Dichloropr...	0.550	0.611	0.584	0.582	0.469	0.553	0.524	0.571	0.577	0.567	0.573	0.560	6.67
45) TMP Tetrachloroethene	0.420	0.451	0.458	0.472	0.369	0.419	0.403	0.430	0.433	0.431	0.452	0.431	6.62
46) TMP Dibromochlorom...	0.351	0.413	0.419	0.444	0.351	0.425	0.414	0.464	0.470	0.476	0.490	0.429	10.92
47) TMP 1,2-Dibromoeth...	0.408	0.415	0.420	0.412	0.334	0.397	0.378	0.409	0.404	0.399	0.403	0.398	5.99
48) TMP Chlorobenzene	1.205	1.227	1.228	1.199	0.967	1.144	1.064	1.148	1.139	1.138	1.171	1.148	6.69
49) TMP Ethylbenzene	2.069	1.944	1.935	1.946	1.552	1.811	1.695	1.831	1.814	1.814	1.886	1.845	7.50
50) TMP 1,1,1,2-Tetrac...	0.394	0.448	0.451	0.463	0.349	0.426	0.402	0.432	0.432	0.435	0.449	0.426	7.66
51) TMP m,p-Xylene	0.786	0.789	0.774	0.791	0.619	0.626	0.731	0.693	0.736	0.748	0.750	0.746	6.70
52) TMP o-Xylene	0.871	0.752	0.792	0.769	0.619	0.619	0.728	0.679	0.726	0.721	0.733	0.764	8.59
53) TMP Styrene	1.252	1.267	1.277	1.364	1.086	1.264	1.172	1.257	1.286	1.335	1.258	1.258	5.93
54) TMP Isopropylbenzene	1.989	2.022	1.982	1.989	1.580	1.849	1.718	1.835	1.843	1.870	1.983	1.878	7.25
55) TMP Bromoform	0.337	0.309	0.335	0.345	0.299	0.360	0.348	0.393	0.406	0.418	0.432	0.362	12.23

56) I 1,4-Dichlorobenzen... -----ISTD-----

57) S 4-Bromofluorob...	0.718	0.712	0.724	0.698	0.705	0.702	0.697	0.697	0.694	0.699	0.668	0.701	2.09
58) TMP n-Propylbenzene	3.671	3.342	3.527	3.266	2.630	3.091	2.878	3.130	3.137	3.059	3.087	3.165	9.05
59) TMP Bromobenzene	0.937	0.952	1.027	0.987	0.794	0.921	0.849	0.922	0.920	0.887	0.878	0.916	6.98
60) TMP 1,3,5-Trimethyl...	2.483	2.396	2.536	2.411	1.966	2.272	2.149	2.335	2.388	2.361	2.402	2.336	6.83
61) TMP 1,1,2,2-Tetrac...	0.913	0.871	0.901	0.860	0.696	0.812	0.754	0.830	0.831	0.713	0.686	0.806	10.13
62) TMP 1,2,3-Trichlor...	0.646	0.651	0.688	0.638	0.528	0.622	0.564	0.618	0.611	0.581	0.569	0.610	7.58
63) TMP 2-Chlorotoluene	2.051	2.074	1.993	2.022	1.630	1.854	1.728	1.860	1.883	1.843	1.846	1.890	7.25
64) TMP 4-Chlorotoluene	2.424	2.387	2.484	2.337	1.893	2.206	2.023	2.225	2.292	2.251	2.262	2.253	7.63
65) TMP tert-Butylbenzene	2.144	2.201	2.261	2.176	1.747	2.035	1.899	2.038	2.076	2.034	2.075	2.062	6.97
66) TMP 1,2,4-Trimethyl...	2.585	2.635	2.693	2.567	2.041	2.360	2.201	2.384	2.437	2.406	2.455	2.433	7.87
67) TMP sec-Butylbenzene	2.987	2.846	3.042	2.882	2.335	2.707	2.537	2.748	2.797	2.735	2.840	2.769	7.17
68) TMP p-Isopropyltol...	2.589	2.666	2.836	2.653	2.100	2.457	2.292	2.500	2.558	2.504	2.627	2.526	7.81
69) TMP 1,3-Dichlorobe...	1.789	1.662	1.772	1.715	1.374	1.615	1.489	1.597	1.629	1.597	1.626	1.624	7.32
70) TMP 1,4-Dichlorobe...	1.798	1.773	1.834	1.803	1.421	1.646	1.520	1.637	1.666	1.654	1.676	1.675	7.49
71) TMP 1,2-Dichlorobe...	1.698	1.630	1.775	1.682	1.329	1.573	1.466	1.569	1.615	1.593	1.615	1.595	7.45
72) TMP 1,2-Dibromo-3-...	0.180	0.153	0.139	0.169	0.157	0.173	0.181	0.175	0.177	0.177	0.167	0.167	8.59
73) TMP 1,2,4-Trichlor...	1.174	1.309	1.347	1.261	1.076	1.179	1.123	1.218	1.236	1.128	1.204	1.200	7.52
74) TMP Hexachlorobuta...	0.422	0.523	0.529	0.486	0.418	0.440	0.434	0.468	0.473	0.419	0.477	0.463	8.56
75) TMP Naphthalene	2.729	3.048	3.230	3.055	2.536	2.962	2.804	3.092	3.133	2.900	3.034	2.957	6.79
76) TMP 1,2,3-Trichlor...	1.065	1.217	1.264	1.224	0.969	1.139	1.064	1.168	1.179	1.057	1.150	1.136	7.78

(#) = Out of Range

GC/MS QA-QC Check Report

Tune File : D:\Proc_GCMS4\11-08-22\110806.D

Tune Time : 8 Nov 2022 11:14 am

Daily Calibration File : D:\Proc_GCMS4\11-08-22\110813.D

(DMF) (DHL) (TOL) (BFB)

86139 72870 48476

File	Sample	Surrogate Recovery %					Internal Standard Responses		
110808.D	0.2 ppb 82	101	100	98	102	89075	74574	48941	
110809.D	0.5 ppb 82	99	101	99	102	90028	74657	50024	
110810.D	1 ppb 8260	97	95	100	103	88603	74537	47526	
110811.D	2 ppb 8260	101	100	97	100	88402	71977	47903	
110812.D	5 ppb 8260	98	101	99	100	89475	75227	49685	
110813.D	10 ppb 826	102	101	101	100	86139	72870	48476	
110814.D	20 ppb 826	101	100	100	99	89724	75215	49913	
110815.D	50 ppb 826	99	101	101	99	90079	76555	49605	
110816.D	100 ppb 82	100	99	101	99	90209	77727	50521	
110817.D	150 ppb 82	101	100	101	100	87265	74546	50457	
110818.D	200 ppb 82	101	103	103	95	87283	73762	52648	
110820.D	10 ppb 826	102	101	99	96	83510	70248	47550	

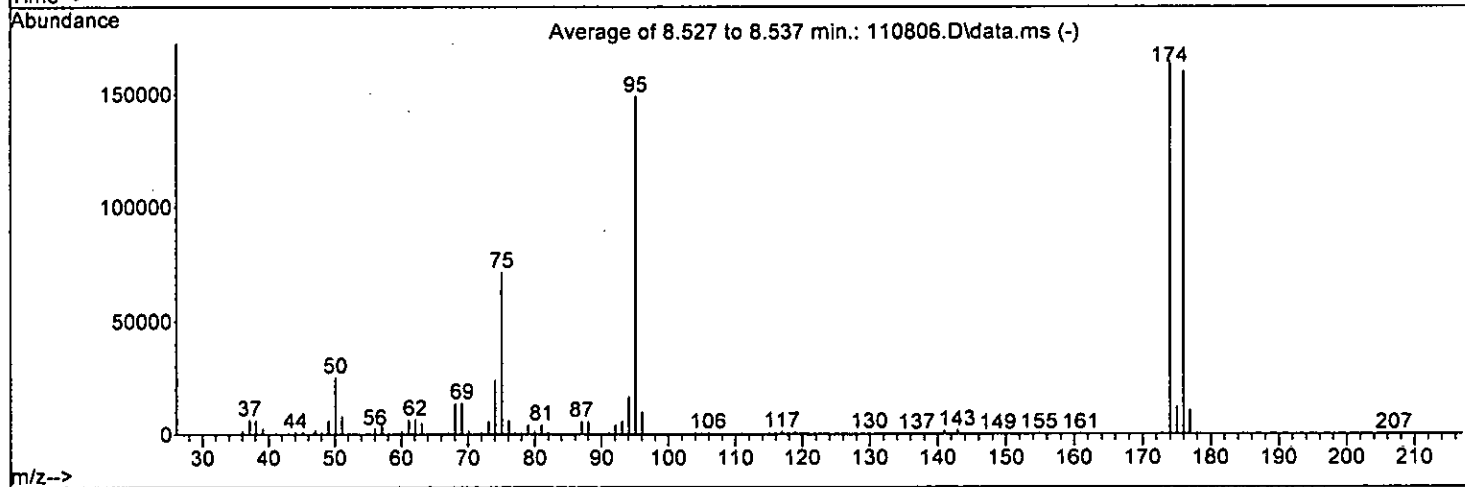
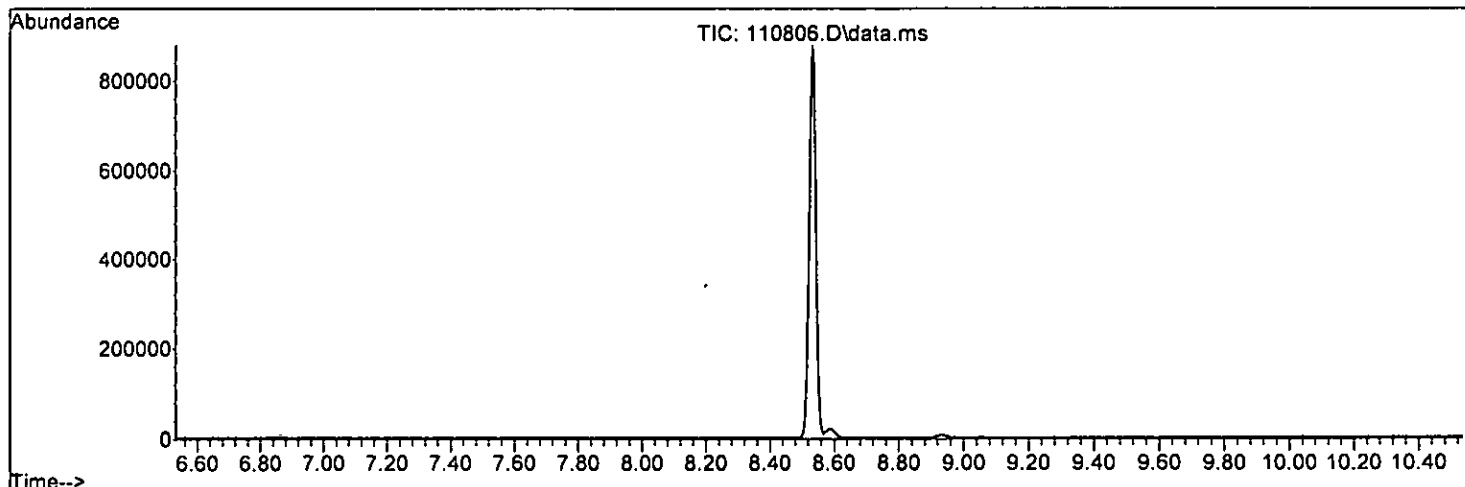
(fails) - fails 12hr time check * - fails criteria

Created: Tue Nov 08 17:33:41 2022 GCMS4

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110806.D
 Acq On : 8 Nov 2022 11:14 am
 Operator : LM
 Sample : 50 ng 8FB 67-152A
 Misc : direct inject
 ALS Vial : 100 Sample Multiplier: 1

Integration File: LSCINT.P

Method : D:\Methods\Inst4\VB110822ms4.M
 Title : 8260 Purge & Trap Volatiles
 Last Update : Tue Nov 08 16:47:05 2022



AutoFind: Scans 1519, 1520, 1521; Background Corrected with Scan 1510

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
95	174	50	200	90.7	149152	PASS
96	95	5	9	6.7	10011	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	200	110.2	164392	PASS
175	174	5	9	7.5	12251	PASS
176	174	95	105	97.4	160173	PASS
177	176	5	10	6.6	10611	PASS

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110808.D
 Acq On : 8 Nov 2022 12:05 pm
 Operator : LM
 Sample : 0.2 ppb 8260 ICAL 67-177I
 Misc : soil/water
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:29 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2 TMP	Ethanol	-1.000	0.000	0.0	0	-1.07#
3 S	Dibromofluoromethane	-1.000	10.087	0.0	0	0.00
4 TMP	Dichlorodifluoromethane	-1.000	0.000	0.0	0	-1.17#
5 TMP	Chloromethane	-1.000	0.000	0.0	0	-1.31#
6 TMP	Vinyl chloride	0.200	0.145	27.5#	100	0.01
7 TMP	Bromomethane	-1.000	0.000	0.0	0	-1.62#
8 TMP	Chloroethane	-1.000	0.000	0.0	0	-1.70#
9 TMP	Trichlorofluoromethane	-1.000	0.000	0.0	0	-1.90#
10 TMP	2-Propanol	-1.000	0.000	0.0	0	-2.99#
11 TMP	Acetone	-1.000	-1.000	0.0	0	0.00
12 TMP	1,1-Dichloroethene	0.200	0.239	-19.5	100	0.00
13 TMP	Hexane	-1.000	0.000	0.0	0	-3.21#
14 TMP	Methylene chloride	-1.000	-0.128	0.0	0	0.00
15 TMP	t-Butyl alcohol (TBA)	-1.000	0.000	0.0	0	-2.87#
16 TMP	Methyl t-butyl ether (MTBE)	0.200	0.184	8.0	100	0.00
17 TMP	trans-1,2-Dichloroethene	0.200	0.249	-24.5#	100	0.00
18 TMP	Diisopropyl ether (DIPE)	0.200	0.214	-7.0	100	0.00
19 TMP	1,1-Dichloroethane	0.200	0.215	-7.5	100	0.00
20 TMP	Ethyl t-butyl ether (ETBE)	-1.000	0.000	0.0	0	-3.71#
21 TMP	2,2-Dichloropropane	-1.000	0.000	0.0	0	-3.81#
22 TMP	cis-1,2-Dichloroethene	0.200	0.248	-24.0#	100	0.00
23 TMP	Chloroform	-1.000	0.000	0.0	0	-4.08#
24 TMP	2-Butanone (MEK)	-1.000	0.000	0.0	0	-3.83#
25 TMP	t-Amyl methyl ether (TAME)	0.200	0.207	-3.5	100	0.00
26 TMP	1,2-Dichloroethane (EDC)	0.200	0.213	-6.5	100	0.00
27 TMP	1,1,1-Trichloroethane	0.200	0.222	-11.0	100	0.00
28 TMP	1,1-Dichloropropene	0.200	0.221	-10.5	100	0.00
29 TMP	Carbon tetrachloride	0.200	0.208	-4.0	100	0.00
30 S	1,2-Dichloroethane-d4	10.000	10.040	-0.4	100	0.00
31 TMP	Benzene	0.200	0.222	-11.0	100	0.00
32 TMP	Trichloroethene	0.200	0.232	-16.0	100	0.00
33 TMP	1,2-Dichloropropane	0.200	0.175	12.5	100	0.00
34 TMP	Bromodichloromethane	0.200	0.207	-3.5	100	0.00
35 S	Toluene-d8	10.000	9.823	1.8	100	0.00
36 TMP	Dibromomethane	0.200	0.196	2.0	100	0.00
37 TMP	4-Methyl-2-pentanone	-1.000	0.000	0.0	0	-6.05#
38 TMP	cis-1,3-Dichloropropene	0.200	0.205	-2.5	100	0.00
39 I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40 TMP	Toluene	0.200	0.201	-0.5	100	0.00
41 TMP	trans-1,3-Dichloropropene	0.200	0.216	-8.0	100	0.00
42 TMP	1,1,2-Trichloroethane	0.200	0.219	-9.5	100	0.00
43 TMP	2-Hexanone	-1.000	0.000	0.0	0	-6.79#

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110808.D
 Acq On : 8 Nov 2022 12:05 pm
 Operator : LM
 Sample : 0.2 ppb 8260 ICAL 67-177I
 Misc : soil/water
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:29 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.200	0.197	1.5	100	0.00
45 TMP Tetrachloroethene	0.200	0.195	2.5	100	0.00
46 TMP Dibromochloromethane	0.200	0.195	2.5	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	0.200	0.205	-2.5	100	0.00
48 TMP Chlorobenzene	0.200	0.210	-5.0	100	0.00
49 TMP Ethylbenzene	0.200	0.224	-12.0	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.200	0.185	7.5	100	0.00
51 TMP m,p-Xylene	0.400	0.422	-5.5	100	0.00
52 TMP o-Xylene	0.200	0.235	-17.5	100	0.00
53 TMP Styrene	0.200	0.199	0.5	100	0.00
54 TMP Isopropylbenzene	0.200	0.212	-6.0	100	0.00
55 TMP Bromoform	0.200	0.206	-3.0	100	0.00
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	10.000	10.238	-2.4	100	0.00
58 TMP n-Propylbenzene	0.200	0.232	-16.0	100	0.00
59 TMP Bromobenzene	0.200	0.205	-2.5	100	0.00
60 TMP 1,3,5-Trimethylbenzene	0.200	0.213	-6.5	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.200	0.227	-13.5	100	0.00
62 TMP 1,2,3-Trichloropropane	0.200	0.212	-6.0	100	0.00
63 TMP 2-Chlorotoluene	0.200	0.217	-8.5	100	0.00
64 TMP 4-Chlorotoluene	0.200	0.215	-7.5	100	0.00
65 TMP tert-Butylbenzene	0.200	0.208	-4.0	100	0.00
66 TMP 1,2,4-Trimethylbenzene	0.200	0.212	-6.0	100	0.00
67 TMP sec-Butylbenzene	0.200	0.216	-8.0	100	0.00
68 TMP p-Isopropyltoluene	0.200	0.205	-2.5	100	0.00
69 TMP 1,3-Dichlorobenzene	0.200	0.220	-10.0	100	0.00
70 TMP 1,4-Dichlorobenzene	0.200	0.215	-7.5	100	0.00
71 TMP 1,2-Dichlorobenzene	0.200	0.213	-6.5	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	-1.000	0.000	0.0	0	-10.80#
73 TMP 1,2,4-Trichlorobenzene	0.200	0.196	2.0	100	0.00
74 TMP Hexachlorobutadiene	0.200	0.182	9.0	100	0.00
75 TMP Naphthalene	0.200	0.185	7.5	100	0.00
76 TMP 1,2,3-Trichlorobenzene	0.200	0.187	6.5	100	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110808.D
 Acq On : 8 Nov 2022 12:05 pm
 Operator : LM
 Sample : 0.2 ppb 8260 ICAL 67-177I
 Misc : soil/water
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:29 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I Fluorobenzene	1.000	1.000	0.0	100	0.00
2 TMP Ethanol	0.000	0.000#	0.0	0#	-1.07#
3 S Dibromofluoromethane	0.275	0.000	100.0#	0#	0.00
4 TMP Dichlorodifluoromethane	0.410	0.000#	100.0#	0#	-1.17#
5 TMP Chloromethane	0.380	0.000#	100.0#	0#	-1.31#
6 TMP Vinyl chloride	0.360	0.260	27.8#	100	0.01
7 TMP Bromomethane	0.168	0.000#	100.0#	0#	-1.62#
8 TMP Chloroethane	0.189	0.000#	100.0#	0#	-1.70#
9 TMP Trichlorofluoromethane	0.562	0.000#	100.0#	0#	-1.90#
10 TMP 2-Propanol	0.000	0.000	0.0	0#	-2.99#
11 TMP Acetone	0.037	0.000#	100.0#	0#	0.00
12 TMP 1,1-Dichloroethene	0.333	0.399	-19.8	100	0.00
13 TMP Hexane	0.348	0.000#	100.0#	0#	-3.21#
14 TMP Methylene chloride	0.369	0.000#	100.0#	0#	0.00
15 TMP t-Butyl alcohol (TBA)	0.051	0.000#	100.0#	0#	-2.87#
16 TMP Methyl t-butyl ether (MTBE)	0.971	0.895	7.8	100	0.00
17 TMP trans-1,2-Dichloroethene	0.353	0.440	-24.6#	100	0.00
18 TMP Diisopropyl ether (DIPE)	0.889	0.950	-6.9	100	0.00
19 TMP 1,1-Dichloroethane	0.536	0.575	-7.3	100	0.00
20 TMP Ethyl t-butyl ether (ETBE)	0.425	0.000#	100.0#	0#	-3.71#
21 TMP 2,2-Dichloropropane	0.352	0.000#	100.0#	0#	-3.81#
22 TMP cis-1,2-Dichloroethene	0.382	0.474	-24.1#	100	0.00
23 TMP Chloroform	0.583	0.000#	100.0#	0#	-4.08#
24 TMP 2-Butanone (MEK)	0.186	0.000#	100.0#	0#	-3.83#
25 TMP t-Amyl methyl ether (TAME)	0.964	0.998	-3.5	100	0.00
26 TMP 1,2-Dichloroethane (EDC)	0.438	0.466	-6.4	100	0.00
27 TMP 1,1,1-Trichloroethane	0.532	0.591	-11.1	100	0.00
28 TMP 1,1-Dichloropropene	0.448	0.496	-10.7	100	0.00
29 TMP Carbon tetrachloride	0.479	0.498	-4.0	100	0.00
30 S 1,2-Dichloroethane-d4	0.063	0.064	-1.6	100	0.00
31 TMP Benzene	1.286	1.428	-11.0	100	0.00
32 TMP Trichloroethene	0.373	0.432	-15.8	100	0.00
33 TMP 1,2-Dichloropropane	0.284	0.249	12.3	100	0.00
34 TMP Bromodichloromethane	0.432	0.447	-3.5	100	0.00
35 S Toluene-d8	1.002	0.984	1.8	100	0.00
36 TMP Dibromomethane	0.216	0.212	1.9	100	0.00
37 TMP 4-Methyl-2-pentanone	0.077	0.000#	100.0#	0#	-6.05#
38 TMP cis-1,3-Dichloropropene	0.504	0.518	-2.8	100	0.00
39 I Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40 TMP Toluene	0.968	0.975	-0.7	100	0.00
41 TMP trans-1,3-Dichloropropene	0.553	0.596	-7.8	100	0.00
42 TMP 1,1,2-Trichloroethane	0.293	0.321	-9.6	100	0.00
43 TMP 2-Hexanone	0.320	0.000#	100.0#	0#	-6.79#

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110808.D
 Acq On : 8 Nov 2022 12:05 pm
 Operator : LM
 Sample : 0.2 ppb 8260 ICAL 67-177I
 Misc : soil/water
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:29 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.560	0.550	1.8	100	0.00
45 TMP Tetrachloroethene	0.431	0.420	2.6	100	0.00
46 TMP Dibromochloromethane	0.429	0.351	18.2	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	0.398	0.408	-2.5	100	0.00
48 TMP Chlorobenzene	1.148	1.205	-5.0	100	0.00
49 TMP Ethylbenzene	1.845	2.069	-12.1	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.426	0.394	7.5	100	0.00
51 TMP m,p-Xylene	0.746	0.786	-5.4	100	0.00
52 TMP o-Xylene	0.741	0.871	-17.5	100	0.00
53 TMP Styrene	1.258	1.252	0.5	100	0.00
54 TMP Isopropylbenzene	1.878	1.989	-5.9	100	0.00
55 TMP Bromoform	0.362	0.337	6.9	100	0.00
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	0.701	0.718	-2.4	100	0.00
58 TMP n-Propylbenzene	3.165	3.671	-16.0	100	0.00
59 TMP Bromobenzene	0.916	0.937	-2.3	100	0.00
60 TMP 1,3,5-Trimethylbenzene	2.336	2.483	-6.3	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.806	0.913	-13.3	100	0.00
62 TMP 1,2,3-Trichloropropane	0.610	0.646	-5.9	100	0.00
63 TMP 2-Chlorotoluene	1.890	2.051	-8.5	100	0.00
64 TMP 4-Chlorotoluene	2.253	2.424	-7.6	100	0.00
65 TMP tert-Butylbenzene	2.062	2.144	-4.0	100	0.00
66 TMP 1,2,4-Trimethylbenzene	2.433	2.585	-6.2	100	0.00
67 TMP sec-Butylbenzene	2.769	2.987	-7.9	100	0.00
68 TMP p-Isopropyltoluene	2.526	2.589	-2.5	100	0.00
69 TMP 1,3-Dichlorobenzene	1.624	1.789	-10.2	100	0.00
70 TMP 1,4-Dichlorobenzene	1.675	1.798	-7.3	100	0.00
71 TMP 1,2-Dichlorobenzene	1.595	1.698	-6.5	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	0.167	0.000#	100.0#	0#	-10.80#
73 TMP 1,2,4-Trichlorobenzene	1.200	1.174	2.2	100	0.00
74 TMP Hexachlorobutadiene	0.463	0.422	8.9	100	0.00
75 TMP Naphthalene	2.957	2.729	7.7	100	0.00
76 TMP 1,2,3-Trichlorobenzene	1.136	1.065	6.2	100	0.00

(#) = Out of Range

SPCC's out = 17 CCC's out = 0

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110808.D
 Acq On : 8 Nov 2022 12:05 pm
 Operator : LM
 Sample : 0.2 ppb 8260 ICAL 67-177I
 Misc : soil/water
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:29 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.78	96	89075	10.000	ppb	0.00
39) Chlorobenzene-d5	7.44	117	74574	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.65	152	48941	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.21	113	24699	10.087	ppb	0.00
Spiked Amount	10.000	Range 0 - 1000	Recovery = 100.90%			
30) 1,2-Dichloroethane-d4	4.49	102	5678	10.040	ppb	0.00
Spiked Amount	10.000	Range 90 - 109	Recovery = 100.40%			
35) Toluene-d8	6.14	98	87650	9.823	ppb	0.00
Spiked Amount	10.000	Range 89 - 112	Recovery = 98.20%			
57) 4-Bromofluorobenzene	8.54	95	35138	10.238	ppb	0.00
Spiked Amount	10.000	Range 84 - 115	Recovery = 102.40%			
Target Compounds						
2) Ethanol	0.00		0	N.D.	d	
4) Dichlorodifluoromethane	0.00		0	N.D.	d	
5) Chloromethane	0.00		0	N.D.	d	
6) Vinyl chloride	1.41	62	464	0.145	ppb #	43
7) Bromomethane	0.00		0	N.D.	d	
8) Chloroethane	0.00		0	N.D.	d	
9) Trichlorofluoromethane	0.00		0	N.D.	d	
10) 2-Propanol	0.00		0	N.D.		
11) Acetone	2.38	58	328	Below Cal	#	38
12) 1,1-Dichloroethene	2.33	96	710	0.239	ppb #	78
13) Hexane	0.00		0	N.D.	d	
14) Methylene chloride	2.74	84	4126	Below Cal		82
15) t-Butyl alcohol (TBA)	0.00		0	N.D.	d	
16) Methyl t-butyl ether (...)	2.99	73	1594	0.184	ppb	87
17) trans-1,2-Dichloroethene	2.97	96	783	0.249	ppb #	56
18) Diisopropyl ether (DIPE)	3.40	45	1692	0.214	ppb	88
19) 1,1-Dichloroethane	3.32	63	1024	0.215	ppb	77
20) Ethyl t-butyl ether (E...)	0.00		0	N.D.	d	
21) 2,2-Dichloropropane	0.00		0	N.D.	d	
22) cis-1,2-Dichloroethene	3.81	96	845	0.248	ppb #	66
23) Chloroform	0.00		0	N.D.	d	
24) 2-Butanone (MEK)	0.00		0	N.D.	d	
25) t-Amyl methyl ether (T...)	4.66	73	1778	0.207	ppb	87
26) 1,2-Dichloroethane (EDC)	4.56	62	830	0.213	ppb	77
27) 1,1,1-Trichloroethane	4.23	97	1052	0.222	ppb	88
28) 1,1-Dichloropropene	4.37	75	883	0.221	ppb	77
29) Carbon tetrachloride	4.37	117	888	0.208	ppb	98
31) Benzene	4.54	78	2544	0.222	ppb	100
32) Trichloroethene	5.09	95	770	0.232	ppb	89
33) 1,2-Dichloropropane	5.28	63	443	0.175	ppb	89
34) Bromodichloromethane	5.51	83	797	0.207	ppb	83
36) Dibromomethane	5.37	93	377	0.196	ppb #	69

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110808.D
 Acq On : 8 Nov 2022 12:05 pm
 Operator : LM
 Sample : 0.2 ppb 8260 ICAL 67-177I
 Misc : soil/water
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS4

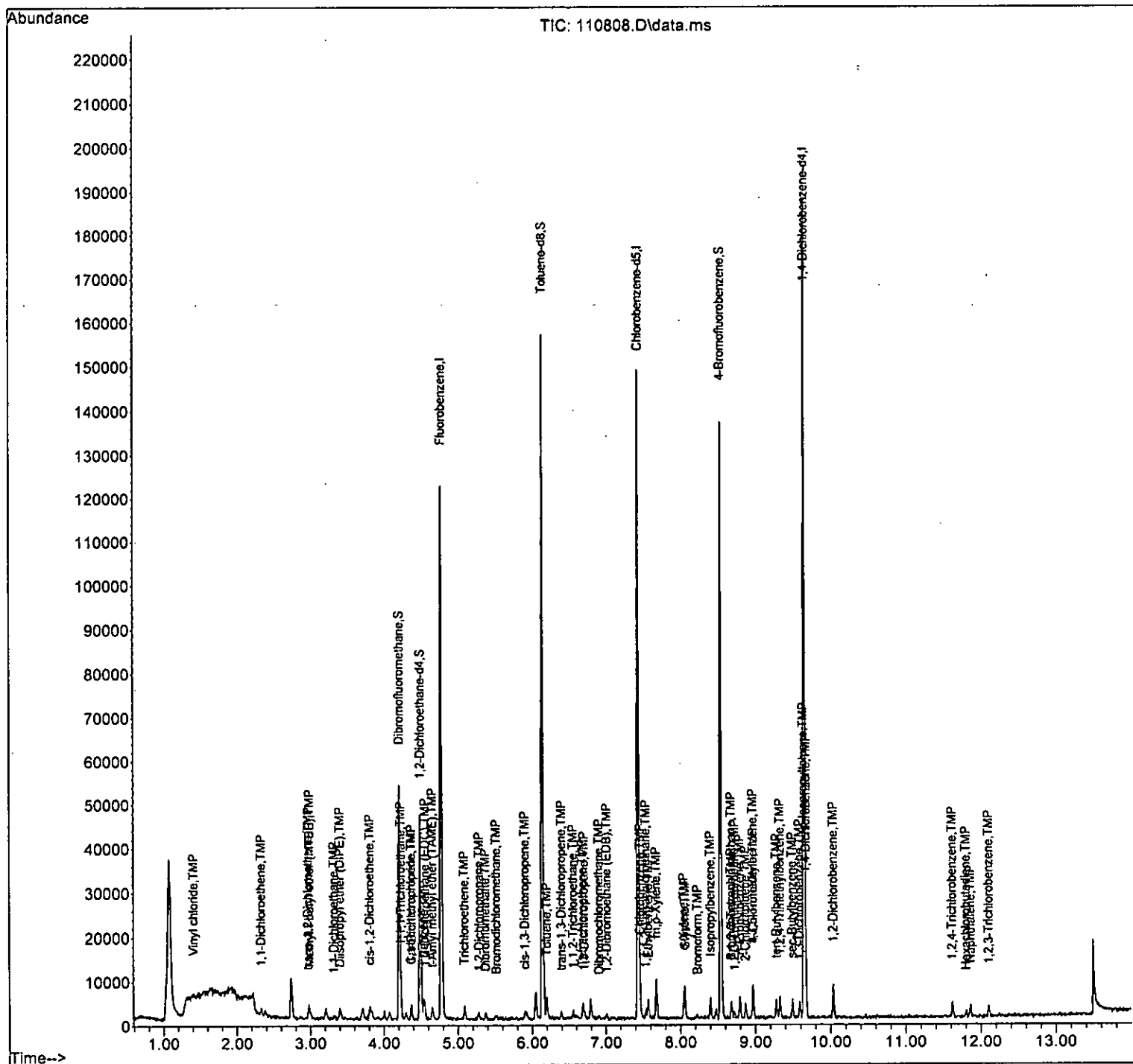
Quant Time: Nov 08 16:47:29 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.00		0	N.D.	d	
38) cis-1,3-Dichloropropene	5.90	75	922	0.205	ppb	77
40) Toluene	6.20	92	1454	0.201	ppb	94
41) trans-1,3-Dichloropropene	6.39	75	889	0.216	ppb	85
42) 1,1,2-Trichloroethane	6.55	83	479	0.219	ppb #	76
43) 2-Hexanone	0.00		0	N.D.	d	
44) 1,3-Dichloropropane	6.70	76	821	0.197	ppb	66
45) Tetrachloroethene	6.68	164	626	0.195	ppb	86
46) Dibromochloromethane	6.91	129	523	0.195	ppb	95
47) 1,2-Dibromoethane (EDB)	7.01	107	609	0.205	ppb	86
48) Chlorobenzene	7.46	112	1797	0.210	ppb	89
49) Ethylbenzene	7.57	91	3086	0.224	ppb	92
50) 1,1,1,2-Tetrachloroethane	7.54	131	587	0.185	ppb	90
51) m,p-Xylene	7.67	106	2346	0.422	ppb #	66
52) o-Xylene	8.05	106	1299	0.235	ppb #	74
53) Styrene	8.06	104	1868	0.199	ppb	89
54) Isopropylbenzene	8.40	105	2966	0.212	ppb	99
55) Bromoform	8.23	173	503	0.206	ppb #	37
58) n-Propylbenzene	8.79	91	3593	0.232	ppb	99
59) Bromobenzene	8.68	156	917	0.205	ppb	77
60) 1,3,5-Trimethylbenzene	8.97	105	2430	0.213	ppb	91
61) 1,1,2,2-Tetrachloroethane	8.68	83	894	0.227	ppb	86
62) 1,2,3-Trichloropropane	8.72	75	632	0.212	ppb	71
63) 2-Chlorotoluene	8.87	91	2008	0.217	ppb	90
64) 4-Chlorotoluene	8.97	91	2373	0.215	ppb	85
65) tert-Butylbenzene	9.28	119	2099	0.208	ppb	77
66) 1,2,4-Trimethylbenzene	9.33	105	2530	0.212	ppb	76
67) sec-Butylbenzene	9.49	105	2924	0.216	ppb	96
68) p-Isopropyltoluene	9.64	119	2534	0.205	ppb	95
69) 1,3-Dichlorobenzene	9.59	146	1751	0.220	ppb	88
70) 1,4-Dichlorobenzene	9.67	146	1760	0.215	ppb	89
71) 1,2-Dichlorobenzene	10.04	146	1662	0.213	ppb	88
72) 1,2-Dibromo-3-chloropr...	0.00		0	N.D.		
73) 1,2,4-Trichlorobenzene	11.62	180	1149	0.196	ppb #	72
74) Hexachlorobutadiene	11.80	225	413	0.182	ppb	89
75) Naphthalene	11.86	128	2671	0.185	ppb	95
76) 1,2,3-Trichlorobenzene	12.10	180	1042	0.187	ppb	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110808.D
 Acq On : 8 Nov 2022 12:05 pm
 Operator : LM
 Sample : 0.2 ppb 8260 ICAL 67-177I
 Misc : soil/water
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:29 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110809.D
 Acq On : 8 Nov 2022 12:29 pm
 Operator : LM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 7 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:31 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I Fluorobenzene	10.000	10.000	0.0	100	0.00
2 TMP Ethanol	-1.000	0.000	0.0	0	-1.07#
3 S Dibromofluoromethane	10.000	9.929	0.7	100	0.00
4 TMP Dichlorodifluoromethane	-1.000	0.000	0.0	0	-1.17#
5 TMP Chloromethane	-1.000	0.000	0.0	0	-1.31#
6 TMP Vinyl chloride	0.500	0.504	-0.8	100	0.00
7 TMP Bromomethane	-1.000	0.000	0.0	0	-1.62#
8 TMP Chloroethane	-1.000	0.000	0.0	0	-1.70#
9 TMP Trichlorofluoromethane	-1.000	0.000	0.0	0	-1.90#
10 TMP 2-Propanol	-1.000	0.000	0.0	0	-2.99#
11 TMP Acetone	-1.000	-1.000	0.0	0	0.00
12 TMP 1,1-Dichloroethene	0.500	0.578	-15.6	100	0.00
13 TMP Hexane	-1.000	0.000	0.0	0	-3.21#
14 TMP Methylene chloride	-1.000	0.000	0.0	0	-2.73#
15 TMP t-Butyl alcohol (TBA)	-1.000	0.000	0.0	0	-2.87#
16 TMP Methyl t-butyl ether (MTBE)	0.500	0.527	-5.4	100	0.00
17 TMP trans-1,2-Dichloroethene	0.500	0.501	-0.2	100	0.00
18 TMP Diisopropyl ether (DIPE)	0.500	0.534	-6.8	100	0.00
19 TMP 1,1-Dichloroethane	0.500	0.525	-5.0	100	0.00
20 TMP Ethyl t-butyl ether (ETBE)	0.500	0.504	-0.8	100	0.00
21 TMP 2,2-Dichloropropane	0.500	0.469	6.2	100	0.00
22 TMP cis-1,2-Dichloroethene	0.500	0.514	-2.8	100	0.00
23 TMP Chloroform	0.500	0.539	-7.8	100	0.00
24 TMP 2-Butanone (MEK)	2.500	2.998	-19.9	100	0.00
25 TMP t-Amyl methyl ether (TAME)	0.500	0.514	-2.8	100	0.00
26 TMP 1,2-Dichloroethane (EDC)	0.500	0.516	-3.2	100	0.00
27 TMP 1,1,1-Trichloroethane	0.500	0.504	-0.8	100	0.00
28 TMP 1,1-Dichloropropane	0.500	0.523	-4.6	100	0.00
29 TMP Carbon tetrachloride	0.500	0.512	-2.4	100	0.00
30 S 1,2-Dichloroethane-d4	10.000	10.089	-0.9	100	0.00
31 TMP Benzene	0.500	0.527	-5.4	100	0.00
32 TMP Trichloroethene	0.500	0.550	-10.0	100	0.00
33 TMP 1,2-Dichloropropane	0.500	0.530	-6.0	100	0.00
34 TMP Bromodichloromethane	0.500	0.537	-7.4	100	0.00
35 S Toluene-d8	10.000	9.929	0.7	100	0.00
36 TMP Dibromomethane	0.500	0.524	-4.8	100	0.00
37 TMP 4-Methyl-2-pentanone	2.500	2.431	2.8	100	0.00
38 TMP cis-1,3-Dichloropropene	0.500	0.509	-1.8	100	0.00
39 I Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40 TMP Toluene	0.500	0.519	-3.8	100	0.00
41 TMP trans-1,3-Dichloropropene	0.500	0.487	2.6	100	0.00
42 TMP 1,1,2-Trichloroethane	0.500	0.495	1.0	100	0.00
43 TMP 2-Hexanone	2.500	2.970	-18.8	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110809.D
 Acq On : 8 Nov 2022 12:29 pm
 Operator : LM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 7 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:31 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.500	0.546	-9.2	100	0.00
45 TMP Tetrachloroethene	0.500	0.524	-4.8	100	0.00
46 TMP Dibromochloromethane	0.500	0.521	-4.2	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	0.500	0.521	-4.2	100	0.00
48 TMP Chlorobenzene	0.500	0.534	-6.8	100	0.00
49 TMP Ethylbenzene	0.500	0.527	-5.4	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.500	0.526	-5.2	100	0.00
51 TMP m,p-Xylene	1.000	1.057	-5.7	100	0.00
52 TMP o-Xylene	0.500	0.507	-1.4	100	0.00
53 TMP Styrene	0.500	0.504	-0.8	100	0.00
54 TMP Isopropylbenzene	0.500	0.538	-7.6	100	0.00
55 TMP Bromoform	0.500	0.464	7.2	100	0.00
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	10.000	10.159	-1.6	100	0.00
58 TMP n-Propylbenzene	0.500	0.528	-5.6	100	0.00
59 TMP Bromobenzene	0.500	0.520	-4.0	100	0.00
60 TMP 1,3,5-Trimethylbenzene	0.500	0.513	-2.6	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.500	0.540	-8.0	100	0.00
62 TMP 1,2,3-Trichloropropane	0.500	0.533	-6.6	100	0.00
63 TMP 2-Chlorotoluene	0.500	0.549	-9.8	100	0.00
64 TMP 4-Chlorotoluene	0.500	0.530	-6.0	100	0.00
65 TMP tert-Butylbenzene	0.500	0.534	-6.8	100	0.00
66 TMP 1,2,4-Trimethylbenzene	0.500	0.542	-8.4	100	0.00
67 TMP sec-Butylbenzene	0.500	0.514	-2.8	100	0.00
68 TMP p-Isopropyltoluene	0.500	0.528	-5.6	100	0.00
69 TMP 1,3-Dichlorobenzene	0.500	0.512	-2.4	100	0.00
70 TMP 1,4-Dichlorobenzene	0.500	0.529	-5.8	100	0.00
71 TMP 1,2-Dichlorobenzene	0.500	0.511	-2.2	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	-1.000	0.000	0.0	0	-10.80#
73 TMP 1,2,4-Trichlorobenzene	0.500	0.545	-9.0	100	0.00
74 TMP Hexachlorobutadiene	0.500	0.565	-13.0	100	0.00
75 TMP Naphthalene	0.500	0.515	-3.0	100	0.00
76 TMP 1,2,3-Trichlorobenzene	0.500	0.536	-7.2	100	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110809.D
 Acq On : 8 Nov 2022 12:29 pm
 Operator : LM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 7 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:31 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2 TMP	Ethanol	0.000	0.000#	0.0	0#	-1.07#
3 S	Dibromofluoromethane	0.275	0.273	0.7	100	0.00
4 TMP	Dichlorodifluoromethane	0.410	0.000#	100.0#	0#	-1.17#
5 TMP	Chloromethane	0.380	0.000#	100.0#	0#	-1.31#
6 TMP	Vinyl chloride	0.360	0.363	-0.8	100	0.00
7 TMP	Bromomethane	0.168	0.000#	100.0#	0#	-1.62#
8 TMP	Chloroethane	0.189	0.000#	100.0#	0#	-1.70#
9 TMP	Trichlorofluoromethane	0.562	0.000#	100.0#	0#	-1.90#
10 TMP	2-Propanol	0.000	0.000	0.0	0#	-2.99#
11 TMP	Acetone	0.037	0.000#	100.0#	0#	0.00
12 TMP	1,1-Dichloroethene	0.333	0.385	-15.6	100	0.00
13 TMP	Hexane	0.348	0.000#	100.0#	0#	-3.21#
14 TMP	Methylene chloride	0.369	0.000#	100.0#	0#	-2.73#
15 TMP	t-Butyl alcohol (TBA)	0.051	0.000#	100.0#	0#	-2.87#
16 TMP	Methyl t-butyl ether (MTBE)	0.971	1.025	-5.6	100	0.00
17 TMP	trans-1,2-Dichloroethene	0.353	0.353	0.0	100	0.00
18 TMP	Diisopropyl ether (DIPE)	0.889	0.948	-6.6	100	0.00
19 TMP	1,1-Dichloroethane	0.536	0.562	-4.9	100	0.00
20 TMP	Ethyl t-butyl ether (ETBE)	0.425	0.428	-0.7	100	0.00
21 TMP	2,2-Dichloropropane	0.352	0.425	-20.7#	100	0.00
22 TMP	cis-1,2-Dichloroethene	0.382	0.393	-2.9	100	0.00
23 TMP	Chloroform	0.583	0.639	-9.6	100	0.00
24 TMP	2-Butanone (MEK)	0.186	0.223	-19.9	100	0.00
25 TMP	t-Amyl methyl ether (TAME)	0.964	0.991	-2.8	100	0.00
26 TMP	1,2-Dichloroethane (EDC)	0.438	0.453	-3.4	100	0.00
27 TMP	1,1,1-Trichloroethane	0.532	0.537	-0.9	100	0.00
28 TMP	1,1-Dichloropropene	0.448	0.469	-4.7	100	0.00
29 TMP	Carbon tetrachloride	0.479	0.491	-2.5	100	0.00
30 S	1,2-Dichloroethane-d4	0.063	0.064	-1.6	100	0.00
31 TMP	Benzene	1.286	1.356	-5.4	100	0.00
32 TMP	Trichloroethene	0.373	0.410	-9.9	100	0.00
33 TMP	1,2-Dichloropropane	0.284	0.301	-6.0	100	0.00
34 TMP	Bromodichloromethane	0.432	0.463	-7.2	100	0.00
35 S	Toluene-d8	1.002	0.995	0.7	100	0.00
36 TMP	Dibromomethane	0.216	0.226	-4.6	100	0.00
37 TMP	4-Methyl-2-pentanone	0.077	0.075	2.6	100	0.00
38 TMP	cis-1,3-Dichloropropene	0.504	0.513	-1.8	100	0.00
39 I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40 TMP	Toluene	0.968	1.005	-3.8	100	0.00
41 TMP	trans-1,3-Dichloropropene	0.553	0.538	2.7	100	0.00
42 TMP	1,1,2-Trichloroethane	0.293	0.290	1.0	100	0.00
43 TMP	2-Hexanone	0.320	0.381	-19.1	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110809.D
 Acq On : 8 Nov 2022 12:29 pm
 Operator : LM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 7 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:31 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.560	0.611	-9.1	100	0.00
45 TMP Tetrachloroethene	0.431	0.451	-4.6	100	0.00
46 TMP Dibromochloromethane	0.429	0.413	3.7	100	0.00
47 TMP 1,2-Dibromoethane (EOB)	0.398	0.415	-4.3	100	0.00
48 TMP Chlorobenzene	1.148	1.227	-6.9	100	0.00
49 TMP Ethylbenzene	1.845	1.944	-5.4	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.426	0.448	-5.2	100	0.00
51 TMP m,p-Xylene	0.746	0.789	-5.8	100	0.00
52 TMP o-Xylene	0.741	0.752	-1.5	100	0.00
53 TMP Styrene	1.258	1.267	-0.7	100	0.00
54 TMP Isopropylbenzene	1.878	2.022	-7.7	100	0.00
55 TMP Bromoform	0.362	0.309	14.6	100	0.00
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	0.701	0.712	-1.6	100	0.00
58 TMP n-Propylbenzene	3.165	3.342	-5.6	100	0.00
59 TMP Bromobenzene	0.916	0.952	-3.9	100	0.00
60 TMP 1,3,5-Trimethylbenzene	2.336	2.396	-2.6	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.806	0.871	-8.1	100	0.00
62 TMP 1,2,3-Trichloropropane	0.610	0.651	-6.7	100	0.00
63 TMP 2-Chlorotoluene	1.890	2.074	-9.7	100	0.00
64 TMP 4-Chlorotoluene	2.253	2.387	-5.9	100	0.00
65 TMP tert-Butylbenzene	2.062	2.201	-6.7	100	0.00
66 TMP 1,2,4-Trimethylbenzene	2.433	2.635	-8.3	100	0.00
67 TMP sec-Butylbenzene	2.769	2.846	-2.8	100	0.00
68 TMP p-Isopropyltoluene	2.526	2.666	-5.5	100	0.00
69 TMP 1,3-Dichlorobenzene	1.624	1.662	-2.3	100	0.00
70 TMP 1,4-Dichlorobenzene	1.675	1.773	-5.9	100	0.00
71 TMP 1,2-Dichlorobenzene	1.595	1.630	-2.2	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	0.167	0.000#	100.0#	0#	-10.80#
73 TMP 1,2,4-Trichlorobenzene	1.200	1.309	-9.1	100	0.00
74 TMP Hexachlorobutadiene	0.463	0.523	-13.0	100	0.00
75 TMP Naphthalene	2.957	3.048	-3.1	100	0.00
76 TMP 1,2,3-Trichlorobenzene	1.136	1.217	-7.1	100	0.00

(#) = Out of Range SPCC's out = 11 CCC's out = 0

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110809.D
 Acq On : 8 Nov 2022 12:29 pm
 Operator : LM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 7 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:31 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	4.78	96	90028	10.000	ppb	0.00
39) Chlorobenzene-d5	7.43	117	74657	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.65	152	50024	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.21	113	24573	9.929	ppb	0.00
Spiked Amount	10.000	Range 0 - 1000	Recovery	=	99.30%	
30) 1,2-Dichloroethane-d4	4.49	102	5767	10.089	ppb	0.00
Spiked Amount	10.000	Range 90 - 109	Recovery	=	100.90%	
35) Toluene-d8	6.14	98	89541	9.929	ppb	0.00
Spiked Amount	10.000	Range 89 - 112	Recovery	=	99.30%	
57) 4-Bromofluorobenzene	8.54	95	35639	10.159	ppb	0.00
Spiked Amount	10.000	Range 84 - 115	Recovery	=	101.60%	
Target Compounds						
						Qvalue
2) Ethanol	0.00		0	N.D.	d	
4) Dichlorodifluoromethane	0.00		0	N.D.	d	
5) Chloromethane	0.00		0	N.D.	d	
6) Vinyl chloride	1.40	62	1634	0.504	ppb	92
7) Bromomethane	0.00		0	N.D.	d	
8) Chloroethane	0.00		0	N.D.	d	
9) Trichlorofluoromethane	0.00		0	N.D.	d	
10) 2-Propanol	0.00		0	N.D.	d	
11) Acetone	2.39	58	1099	Below Cal	#	85
12) 1,1-Dichloroethene	2.32	96	1734	0.578	ppb	# 56
13) Hexane	0.00		0	N.D.	d	
14) Methylene chloride	0.00		0	N.D.	d	
15) t-Butyl alcohol (TBA)	0.00		0	N.D.	d	
16) Methyl t-butyl ether (...)	2.98	73	4612	0.527	ppb	98
17) trans-1,2-Dichloroethene	2.97	96	1590	0.501	ppb	# 79
18) Diisopropyl ether (DIPE)	3.40	45	4269	0.534	ppb	91
19) 1,1-Dichloroethane	3.32	63	2530	0.525	ppb	90
20) Ethyl t-butyl ether (E...)	3.70	87	1927	0.504	ppb	90
21) 2,2-Dichloropropane	3.81	77	1915	0.469	ppb	96
22) cis-1,2-Dichloroethene	3.81	96	1769	0.514	ppb	# 71
23) Chloroform	4.08	83	2878	0.539	ppb	94
24) 2-Butanone (MEK)	3.84	43	5023	2.998	ppb	90
25) t-Amyl methyl ether (T...)	4.65	73	4463	0.514	ppb	95
26) 1,2-Dichloroethane (EDC)	4.55	62	2037	0.516	ppb	85
27) 1,1,1-Trichloroethane	4.23	97	2418	0.504	ppb	86
28) 1,1-Dichloropropene	4.37	75	2109	0.523	ppb	96
29) Carbon tetrachloride	4.37	117	2208	0.512	ppb	97
31) Benzene	4.54	78	6104	0.527	ppb	97
32) Trichloroethene	5.09	95	1846	0.550	ppb	# 71
33) 1,2-Dichloropropane	5.28	63	1357	0.530	ppb	89
34) Bromodichloromethane	5.51	83	2086	0.537	ppb	91
36) Dibromomethane	5.37	93	1018	0.524	ppb	97

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110809.D
 Acq On : 8 Nov 2022 12:29 pm
 Operator : LM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 7 Sample Multiplier: 1
 InstName : GCMS4

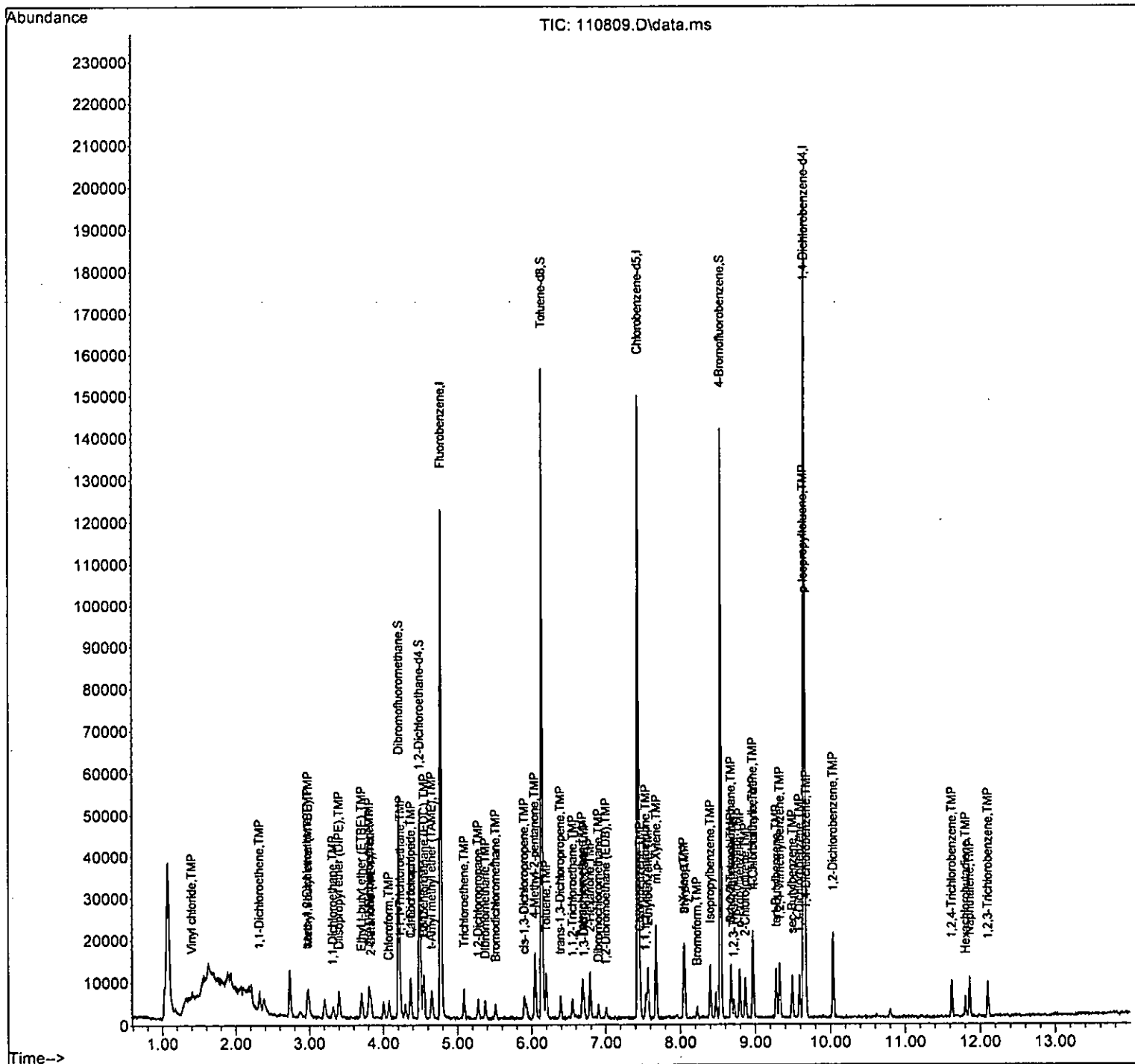
Quant Time: Nov 08 16:47:31 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	6.04	85	1683	2.431	ppb #	52
38) cis-1,3-Dichloropropene	5.90	75	2311	0.509	ppb	91
40) Toluene	6.20	92	3753	0.519	ppb	94
41) trans-1,3-Dichloropropene	6.39	75	2010	0.487	ppb	90
42) 1,1,2-Trichloroethane	6.56	83	1083	0.495	ppb	96
43) 2-Hexanone	6.79	43	7105	2.970	ppb	95
44) 1,3-Dichloropropane	6.71	76	2282	0.546	ppb	89
45) Tetrachloroethene	6.69	164	1685	0.524	ppb	93
46) Dibromochloromethane	6.90	129	1542	0.521	ppb	91
47) 1,2-Dibromoethane (EDB)	7.00	107	1548	0.521	ppb	84
48) Chlorobenzene	7.47	112	4581	0.534	ppb	81
49) Ethylbenzene	7.57	91	7256	0.527	ppb	95
50) 1,1,1,2-Tetrachloroethane	7.54	131	1672	0.526	ppb	85
51) m,p-Xylene	7.68	106	5889	1.057	ppb	91
52) o-Xylene	8.05	106	2806	0.507	ppb #	78
53) Styrene	8.06	104	4730	0.504	ppb	88
54) Isopropylbenzene	8.40	105	7546	0.538	ppb	96
55) Bromoform	8.22	173	1153	0.464	ppb	81
58) n-Propylbenzene	8.79	91	8358	0.528	ppb	99
59) Bromobenzene	8.68	156	2382	0.520	ppb	87
60) 1,3,5-Trimethylbenzene	8.97	105	5992	0.513	ppb	84
61) 1,1,2,2-Tetrachloroethane	8.68	83	2179	0.540	ppb	93
62) 1,2,3-Trichloropropane	8.72	75	1628	0.533	ppb	91
63) 2-Chlorotoluene	8.87	91	5187	0.549	ppb	97
64) 4-Chlorotoluene	8.97	91	5970	0.530	ppb	93
65) tert-Butylbenzene	9.28	119	5506	0.534	ppb	83
66) 1,2,4-Trimethylbenzene	9.33	105	6591	0.542	ppb	100
67) sec-Butylbenzene	9.49	105	7119	0.514	ppb	91
68) p-Isopropyltoluene	9.64	119	6668	0.528	ppb	95
69) 1,3-Dichlorobenzene	9.59	146	4158	0.512	ppb	84
70) 1,4-Dichlorobenzene	9.68	146	4435	0.529	ppb	92
71) 1,2-Dichlorobenzene	10.04	146	4077	0.511	ppb	92
72) 1,2-Dibromo-3-chloropr...	0.00		0	N.D.	d	
73) 1,2,4-Trichlorobenzene	11.62	180	3274	0.545	ppb	96
74) Hexachlorobutadiene	11.81	225	1307	0.565	ppb	98
75) Naphthalene	11.86	128	7624	0.515	ppb	95
76) 1,2,3-Trichlorobenzene	12.10	180	3044	0.536	ppb	91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110809.D
 Acq On : 8 Nov 2022 12:29 pm
 Operator : LM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 7 Sample Multiplier: 1
 InstName : GCMS4

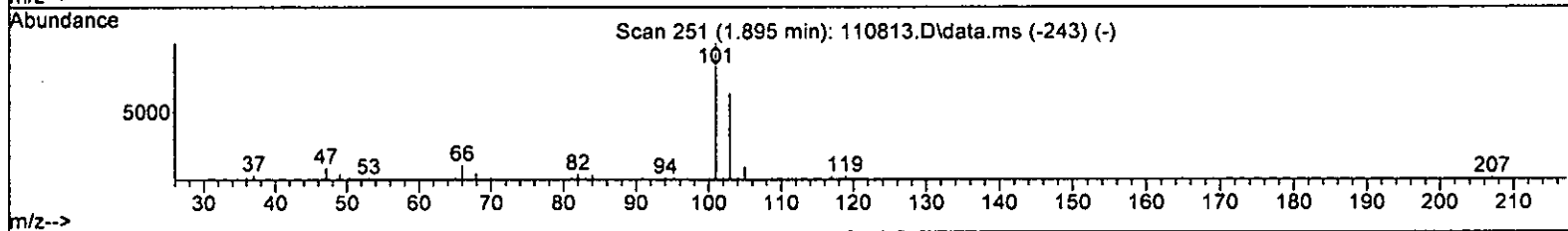
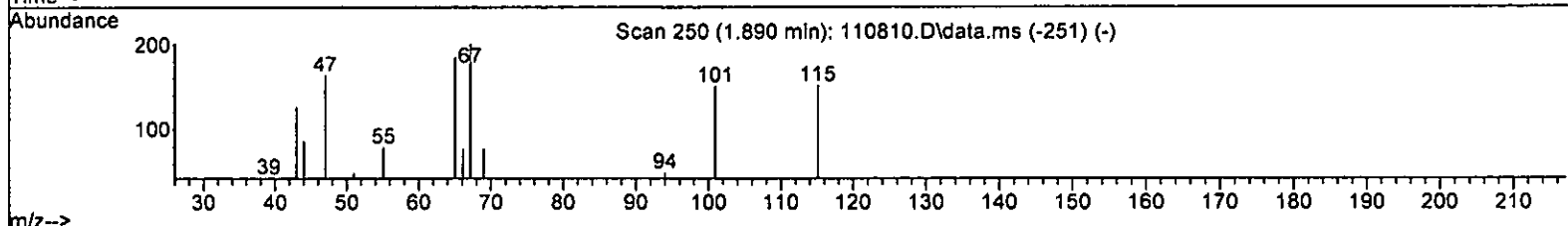
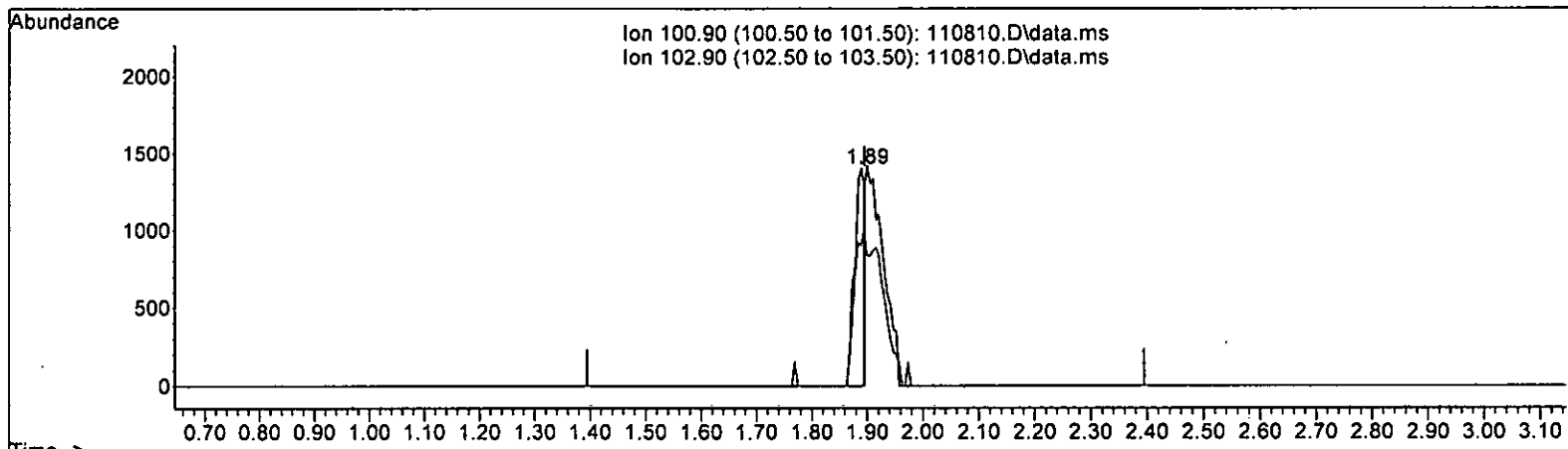
Quant Time: Nov 08 16:47:31 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110810.D
 Acq On : 8 Nov 2022 12:53 pm
 Operator : LM
 Sample : 1 ppb 8260 ICAL 67-177K
 Misc : soil/water
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:33 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



TIC: 110810.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.890min (-0.005) 0.356 ppb

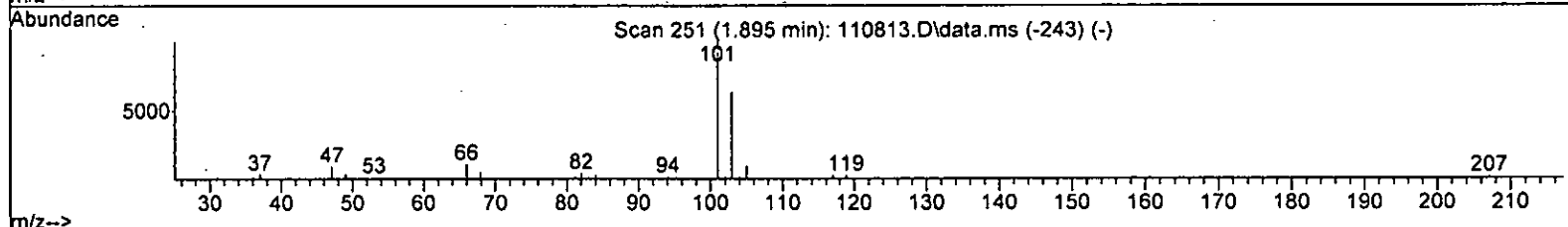
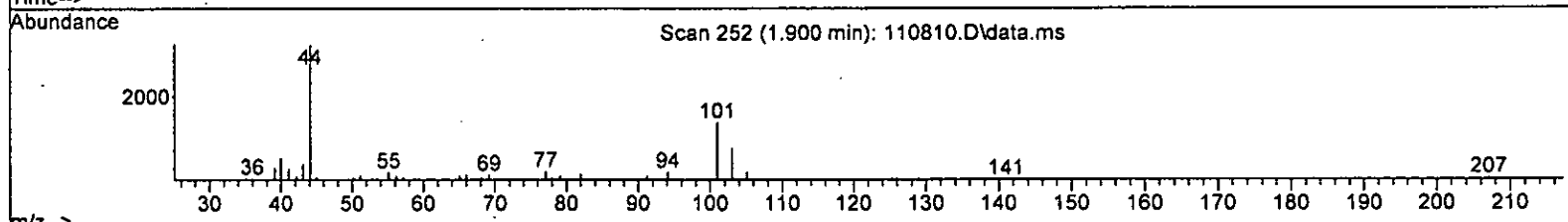
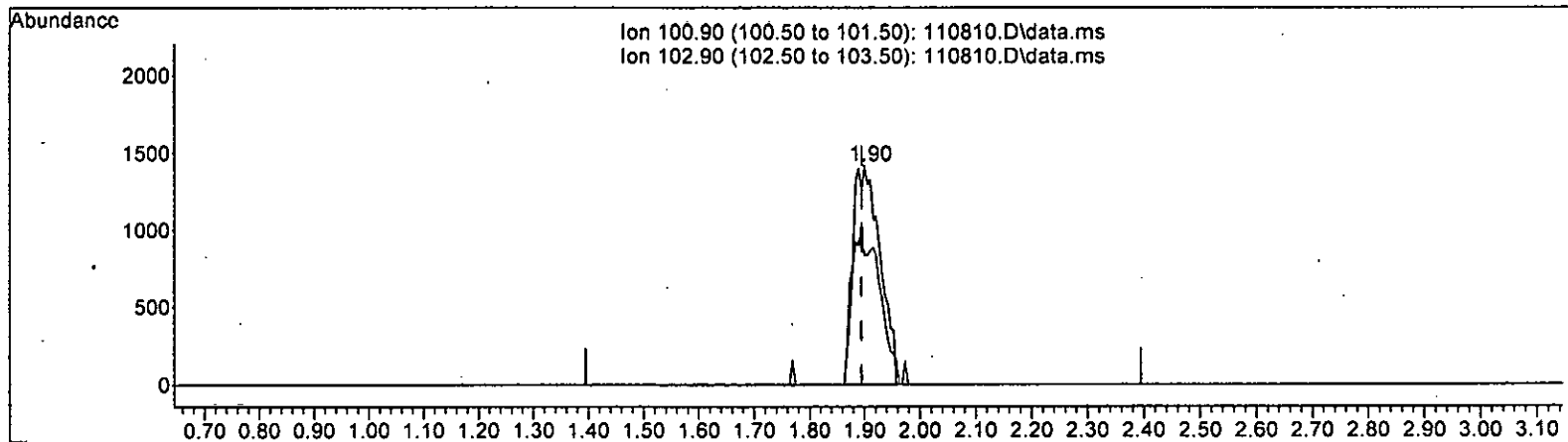
response 1770

Ion	Exp%	Act%
100.90	100.00	100.00
102.90	61.00	63.96
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110810.D
 Acq On : 8 Nov 2022 12:53 pm
 Operator : LM
 Sample : 1 ppb 8260 ICAL 67-177K
 Misc : soil/water
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:33 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



TIC: 110810.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.900min (+ 0.005) 0.963 ppb m

response 4795

Ion	Exp%	Act%
100.90	100.00	100.00
102.90	61.00	58.73
0.00	0.00	0.00
0.00	0.00	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110810.D
 Acq On : 8 Nov 2022 12:53 pm
 Operator : LM
 Sample : 1 ppb 8260 ICAL 67-177K
 Misc : soil/water
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:33 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I Fluorobenzene	10.000	10.000	0.0	100	0.00
2 TMP Ethanol	-1.000	0.000	0.0	0	-1.07#
3 S Dibromofluoromethane	10.000	9.749	2.5	100	0.00
4 TMP Dichlorodifluoromethane	1.000	0.779	22.1#	100	0.00
5 TMP Chloromethane	-1.000	0.000	0.0	0	-1.31#
6 TMP Vinyl chloride	1.000	1.053	-5.3	100	0.00
7 TMP Bromomethane	1.000	0.806	19.4	77	0.00
8 TMP Chloroethane	1.000	1.144	-14.4	100	0.00
9 TMP Trichlorofluoromethane	1.000	0.963	3.7	100	0.00
10 TMP 2-Propanol	-1.000	0.000	0.0	0	-2.99#
11 TMP Acetone	-1.000	1.962	0.0	0	0.00
12 TMP 1,1-Dichloroethene	1.000	1.054	-5.4	100	0.00
13 TMP Hexane	1.000	1.201	-20.1#	100	0.00
14 TMP Methylene chloride	-1.000	0.000	0.0	0	-2.73#
15 TMP t-Butyl alcohol (TBA)	5.000	5.712	-14.2	100	0.00
16 TMP Methyl t-butyl ether (MTBE)	1.000	1.048	-4.8	100	0.00
17 TMP trans-1,2-Dichloroethene	1.000	1.086	-8.6	100	0.00
18 TMP Diisopropyl ether (DIPE)	1.000	1.083	-8.3	100	0.00
19 TMP 1,1-Dichloroethane	1.000	1.078	-7.8	100	0.00
20 TMP Ethyl t-butyl ether (ETBE)	1.000	1.082	-8.2	100	0.00
21 TMP 2,2-Dichloropropane	1.000	1.080	-8.0	100	0.00
22 TMP cis-1,2-Dichloroethene	1.000	1.078	-7.8	100	0.00
23 TMP Chloroform	1.000	1.057	-5.7	100	0.00
24 TMP 2-Butanone (MEK)	5.000	5.180	-3.6	100	0.00
25 TMP t-Amyl methyl ether (TAME)	1.000	1.022	-2.2	100	0.00
26 TMP 1,2-Dichloroethane (EDC)	1.000	1.067	-6.7	100	0.00
27 TMP 1,1,1-Trichloroethane	1.000	1.051	-5.1	100	0.00
28 TMP 1,1-Dichloropropene	1.000	1.075	-7.5	100	0.00
29 TMP Carbon tetrachloride	1.000	1.052	-5.2	100	0.00
30 S 1,2-Dichloroethane-d4	10.000	9.519	4.8	100	0.00
31 TMP Benzene	1.000	1.039	-3.9	100	0.00
32 TMP Trichloroethene	1.000	1.050	-5.0	100	0.00
33 TMP 1,2-Dichloropropane	1.000	1.075	-7.5	100	0.00
34 TMP Bromodichloromethane	1.000	1.019	-1.9	100	0.00
35 S Toluene-d8	10.000	9.962	0.4	100	0.00
36 TMP Dibromomethane	1.000	1.057	-5.7	100	0.00
37 TMP 4-Methyl-2-pentanone	5.000	5.654	-13.1	100	0.00
38 TMP cis-1,3-Dichloropropene	1.000	1.061	-6.1	100	0.00
39 I Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40 TMP Toluene	1.000	1.078	-7.8	100	0.00
41 TMP trans-1,3-Dichloropropene	1.000	1.070	-7.0	100	0.00
42 TMP 1,1,2-Trichloroethane	1.000	1.093	-9.3	100	0.00
43 TMP 2-Hexanone	5.000	4.977	0.5	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110810.D
 Acq On : 8 Nov 2022 12:53 pm
 Operator : LM
 Sample : 1 ppb 8260 ICAL 67-177K
 Misc : soil/water
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:33 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	1.000	1.042	-4.2	100	0.00
45 TMP Tetrachloroethene	1.000	1.064	-6.4	100	0.00
46 TMP Dibromochloromethane	1.000	1.027	-2.7	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	1.000	1.055	-5.5	100	0.00
48 TMP Chlorobenzene	1.000	1.069	-6.9	100	0.00
49 TMP Ethylbenzene	1.000	1.049	-4.9	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	1.000	1.061	-6.1	100	0.00
51 TMP m,p-Xylene	2.000	2.076	-3.8	100	0.00
52 TMP o-Xylene	1.000	1.068	-6.8	100	0.00
53 TMP Styrene	1.000	1.015	-1.5	100	0.00
54 TMP Isopropylbenzene	1.000	1.056	-5.6	100	0.00
55 TMP Bromoform	1.000	0.998	0.2	100	0.00
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	10.000	10.323	-3.2	100	0.00
58 TMP n-Propylbenzene	1.000	1.114	-11.4	100	0.00
59 TMP Bromobenzene	1.000	1.122	-12.2	100	0.00
60 TMP 1,3,5-Trimethylbenzene	1.000	1.086	-8.6	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	1.000	1.118	-11.8	100	0.00
62 TMP 1,2,3-Trichloropropane	1.000	1.127	-12.7	100	0.00
63 TMP 2-Chlorotoluene	1.000	1.055	-5.5	100	0.00
64 TMP 4-Chlorotoluene	1.000	1.103	-10.3	100	0.00
65 TMP tert-Butylbenzene	1.000	1.096	-9.6	100	0.00
66 TMP 1,2,4-Trimethylbenzene	1.000	1.107	-10.7	100	0.00
67 TMP sec-Butylbenzene	1.000	1.099	-9.9	100	0.00
68 TMP p-Isopropyltoluene	1.000	1.123	-12.3	100	0.00
69 TMP 1,3-Dichlorobenzene	1.000	1.091	-9.1	100	0.00
70 TMP 1,4-Dichlorobenzene	1.000	1.094	-9.4	100	0.00
71 TMP 1,2-Dichlorobenzene	1.000	1.113	-11.3	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	1.000	1.079	-7.9	100	0.00
73 TMP 1,2,4-Trichlorobenzene	1.000	1.122	-12.2	100	0.00
74 TMP Hexachlorobutadiene	1.000	1.142	-14.2	100	0.00
75 TMP Naphthalene	1.000	1.092	-9.2	100	0.00
76 TMP 1,2,3-Trichlorobenzene	1.000	1.113	-11.3	100	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110810.D
 Acq On : 8 Nov 2022 12:53 pm
 Operator : LM
 Sample : 1 ppb 8260 ICAL 67-177K
 Misc : soil/water
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:33 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I Fluorobenzene	1.000	1.000	0.0	100	0.00
2 TMP Ethanol	0.000	0.000#	0.0	0#	-1.07#
3 S Dibromofluoromethane	0.275	0.268	2.5	100	0.00
4 TMP Dichlorodifluoromethane	0.410	0.319	22.2#	100	0.00
5 TMP Chloromethane	0.380	0.000#	100.0#	0#	-1.31#
6 TMP Vinyl chloride	0.360	0.379	-5.3	100	0.00
7 TMP Bromomethane	0.168	0.135	19.6	77	0.00
8 TMP Chloroethane	0.189	0.216	-14.3	100	0.00
9 TMP Trichlorofluoromethane	0.562	0.541	3.7	100	0.00
10 TMP 2-Propanol	0.000	0.000	0.0	0#	-2.99#
11 TMP Acetone	0.037	0.000#	100.0#	0#	0.00
12 TMP 1,1-Dichloroethene	0.333	0.351	-5.4	100	0.00
13 TMP Hexane	0.348	0.418	-20.1#	100	0.00
14 TMP Methylene chloride	0.369	0.000#	100.0#	0#	-2.73#
15 TMP t-Butyl alcohol (TBA)	0.051	0.059	-15.7	100	0.00
16 TMP Methyl t-butyl ether (MTBE)	0.971	1.018	-4.8	100	0.00
17 TMP trans-1,2-Dichloroethene	0.353	0.383	-8.5	100	0.00
18 TMP Diisopropyl ether (DIPE)	0.889	0.962	-8.2	100	0.00
19 TMP 1,1-Dichloroethane	0.536	0.577	-7.6	100	0.00
20 TMP Ethyl t-butyl ether (ETBE)	0.425	0.460	-8.2	100	0.00
21 TMP 2,2-Dichloropropane	0.352	0.422	-19.9	100	0.00
22 TMP cis-1,2-Dichloroethene	0.382	0.412	-7.9	100	0.00
23 TMP Chloroform	0.583	0.620	-6.3	100	0.00
24 TMP 2-Butanone (MEK)	0.186	0.193	-3.8	100	0.00
25 TMP t-Amyl methyl ether (TAME)	0.964	0.985	-2.2	100	0.00
26 TMP 1,2-Dichloroethane (EDC)	0.438	0.467	-6.6	100	0.00
27 TMP 1,1,1-Trichloroethane	0.532	0.560	-5.3	100	0.00
28 TMP 1,1-Dichloropropene	0.448	0.482	-7.6	100	0.00
29 TMP Carbon tetrachloride	0.479	0.504	-5.2	100	0.00
30 S 1,2-Dichloroethane-d4	0.063	0.060	4.8	100	0.00
31 TMP Benzene	1.286	1.336	-3.9	100	0.00
32 TMP Trichloroethene	0.373	0.392	-5.1	100	0.00
33 TMP 1,2-Dichloropropane	0.284	0.306	-7.7	100	0.00
34 TMP Bromodichloromethane	0.432	0.440	-1.9	100	0.00
35 S Toluene-d8	1.002	0.998	0.4	100	0.00
36 TMP Dibromomethane	0.216	0.228	-5.6	100	0.00
37 TMP 4-Methyl-2-pentanone	0.077	0.087	-13.0	100	0.00
38 TMP cis-1,3-Dichloropropene	0.504	0.535	-6.2	100	0.00
39 I Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40 TMP Toluene	0.968	1.043	-7.7	100	0.00
41 TMP trans-1,3-Dichloropropene	0.553	0.592	-7.1	100	0.00
42 TMP 1,1,2-Trichloroethane	0.293	0.320	-9.2	100	0.00
43 TMP 2-Hexanone	0.320	0.319	0.3	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110810.D
 Acq On : 8 Nov 2022 12:53 pm
 Operator : LM
 Sample : 1 ppb 8260 ICAL 67-177K
 Misc : soil/water
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:33 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.560	0.584	-4.3	100	0.00
45 TMP Tetrachloroethene	0.431	0.458	-6.3	100	0.00
46 TMP Dibromochloromethane	0.429	0.419	2.3	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	0.398	0.420	-5.5	100	0.00
48 TMP Chlorobenzene	1.148	1.228	-7.0	100	0.00
49 TMP Ethylbenzene	1.845	1.935	-4.9	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.426	0.451	-5.9	100	0.00
51 TMP m,p-Xylene	0.746	0.774	-3.8	100	0.00
52 TMP o-Xylene	0.741	0.792	-6.9	100	0.00
53 TMP Styrene	1.258	1.277	-1.5	100	0.00
54 TMP Isopropylbenzene	1.878	1.982	-5.5	100	0.00
55 TMP Bromoform	0.362	0.335	7.5	100	0.00
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	0.701	0.724	-3.3	100	0.00
58 TMP n-Propylbenzene	3.165	3.527	-11.4	100	0.00
59 TMP Bromobenzene	0.916	1.027	-12.1	100	0.00
60 TMP 1,3,5-Trimethylbenzene	2.336	2.536	-8.6	100	0.00
61 TMP 1,1,1,2-Tetrachloroethane	0.806	0.901	-11.8	100	0.00
62 TMP 1,2,3-Trichloropropane	0.610	0.688	-12.8	100	0.00
63 TMP 2-Chlorotoluene	1.890	1.993	-5.4	100	0.00
64 TMP 4-Chlorotoluene	2.253	2.484	-10.3	100	0.00
65 TMP tert-Butylbenzene	2.062	2.261	-9.7	100	0.00
66 TMP 1,2,4-Trimethylbenzene	2.433	2.693	-10.7	100	0.00
67 TMP sec-Butylbenzene	2.769	3.042	-9.9	100	0.00
68 TMP p-Isopropyltoluene	2.526	2.836	-12.3	100	0.00
69 TMP 1,3-Dichlorobenzene	1.624	1.772	-9.1	100	0.00
70 TMP 1,4-Dichlorobenzene	1.675	1.834	-9.5	100	0.00
71 TMP 1,2-Dichlorobenzene	1.595	1.775	-11.3	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	0.167	0.180	-7.8	100	0.00
73 TMP 1,2,4-Trichlorobenzene	1.200	1.347	-12.3	100	0.00
74 TMP Hexachlorobutadiene	0.463	0.529	-14.3	100	0.00
75 TMP Naphthalene	2.957	3.230	-9.2	100	0.00
76 TMP 1,2,3-Trichlorobenzene	1.136	1.264	-11.3	100	0.00

(#) = Out of Range

SPCC's out = 4 CCC's out = 0

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110810.D
 Acq On : 8 Nov 2022 12:53 pm
 Operator : LM
 Sample : 1 ppb 8260 ICAL 67-177K
 Misc : soil/water
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:33 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	4.78	96	88603	10.000	ppb	0.00
39) Chlorobenzene-d5	7.43	117	74537	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.65	152	47526	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.21	113	23746	9.749	ppb	0.00
Spiked Amount	10.000	Range 0 - 1000	Recovery	=	97.50%	
30) 1,2-Dichloroethane-d4	4.49	102	5355	9.519	ppb	0.00
Spiked Amount	10.000	Range 90 - 109	Recovery	=	95.20%	
35) Toluene-d8	6.14	98	88422	9.962	ppb	0.00
Spiked Amount	10.000	Range 89 - 112	Recovery	=	99.60%	
57) 4-Bromofluorobenzene	8.54	95	34407	10.323	ppb	0.00
Spiked Amount	10.000	Range 84 - 115	Recovery	=	103.20%	
Target Compounds						
						Qvalue
2) Ethanol	0.00		0	N.D.	d	
4) Dichlorodifluoromethane	1.17	85	2829	0.779	ppb	91
5) Chloromethane	0.00		0	N.D.	d	
6) Vinyl chloride	1.40	62	3361	1.053	ppb	80
7) Bromomethane	1.62	94	1197	0.806	ppb	97
8) Chloroethane	1.70	64	1915	1.144	ppb	75
9) Trichlorofluoromethane	1.90	101	4795m	0.963	ppb	
10) 2-Propanol	0.00		0	N.D.	d	
11) Acetone	2.39	58	2083	1.962	ppb	94
12) 1,1-Dichloroethene	2.32	96	3113	1.054	ppb	81
13) Hexane	3.20	57	3708	1.201	ppb	97
14) Methylene chloride	0.00		0	N.D.	d	
15) t-Butyl alcohol (TBA)	2.87	59	2593	5.712	ppb	90
16) Methyl t-butyl ether (...)	2.98	73	9019	1.048	ppb	97
17) trans-1,2-Dichloroethene	2.97	96	3394	1.086	ppb	82
18) Diisopropyl ether (DIPE)	3.40	45	8524	1.083	ppb	94
19) 1,1-Dichloroethane	3.32	63	5116	1.078	ppb	97
20) Ethyl t-butyl ether (E...)	3.70	87	4074	1.082	ppb	# 83
21) 2,2-Dichloropropane	3.81	77	3738	1.080	ppb	96
22) cis-1,2-Dichloroethene	3.81	96	3648	1.078	ppb	82
23) Chloroform	4.08	83	5492	1.057	ppb	87
24) 2-Butanone (MEK)	3.84	43	8542	5.180	ppb	99
25) t-Amyl methyl ether (T...)	4.65	73	8730	1.022	ppb	95
26) 1,2-Dichloroethane (EDC)	4.55	62	4141	1.067	ppb	96
27) 1,1,1-Trichloroethane	4.23	97	4959	1.051	ppb	96
28) 1,1-Dichloropropene	4.37	75	4267	1.075	ppb	87
29) Carbon tetrachloride	4.37	117	4469	1.052	ppb	96
31) Benzene	4.54	78	11836	1.039	ppb	92
32) Trichloroethene	5.09	95	3470	1.050	ppb	# 72
33) 1,2-Dichloropropane	5.27	63	2710	1.075	ppb	89
34) Bromodichloromethane	5.51	83	3898	1.019	ppb	99
36) Dibromomethane	5.37	93	2020	1.057	ppb	79

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110810.D
 Acq On : 8 Nov 2022 12:53 pm
 Operator : LM
 Sample : 1 ppb 8260 ICAL 67-177K
 Misc : soil/water
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS4

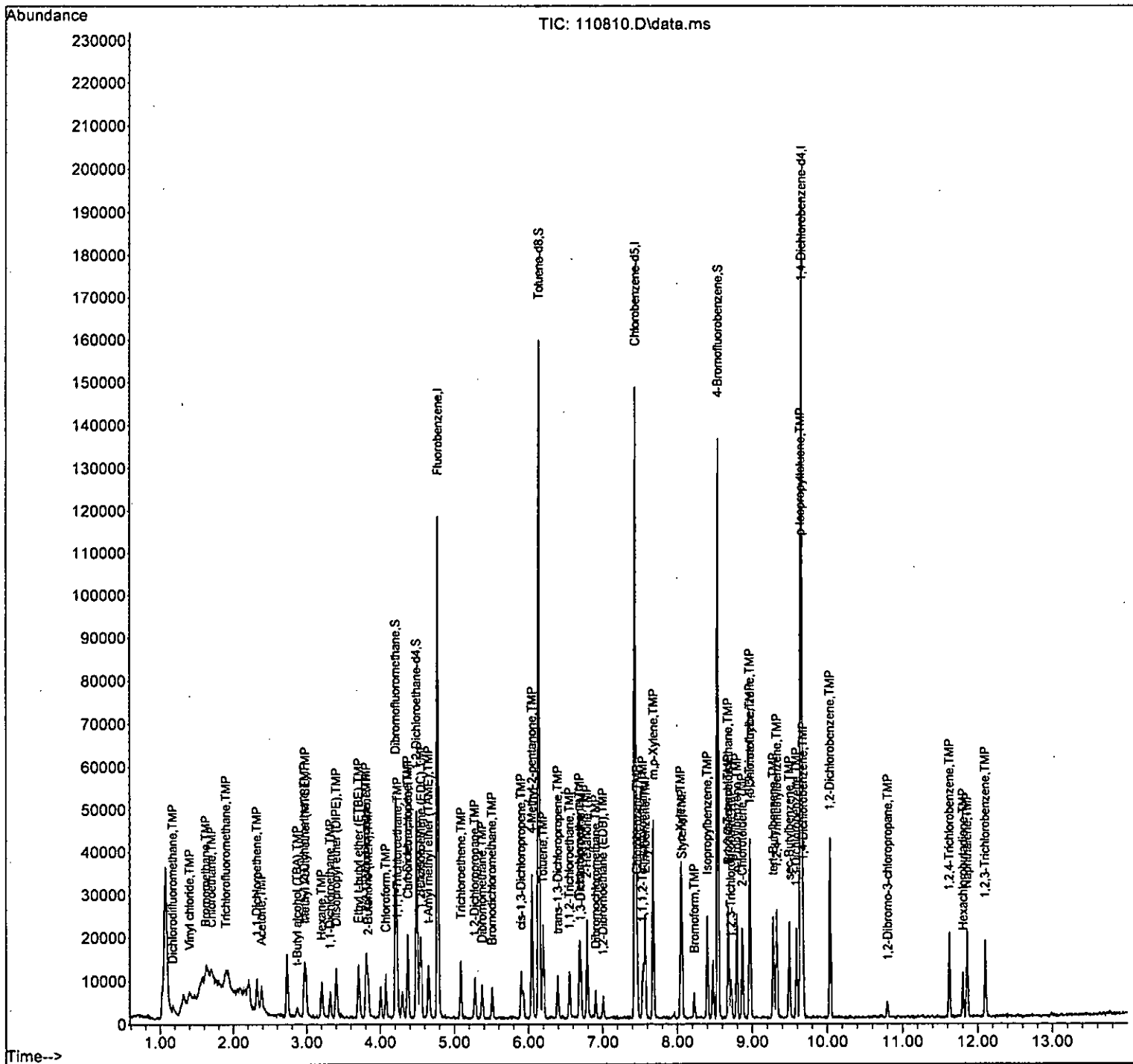
Quant Time: Nov 08 16:47:33 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	6.05	85	3852	5.654	ppb	# 77
38) cis-1,3-Dichloropropene	5.90	75	4738	1.061	ppb	98
40) Toluene	6.19	92	7775	1.078	ppb	87
41) trans-1,3-Dichloropropene	6.39	75	4411	1.070	ppb	90
42) 1,1,2-Trichloroethane	6.55	83	2388	1.093	ppb	93
43) 2-Hexanone	6.79	43	11888	4.977	ppb	92
44) 1,3-Dichloropropane	6.70	76	4351	1.042	ppb	96
45) Tetrachloroethene	6.69	164	3417	1.064	ppb	89
46) Dibromochloromethane	6.91	129	3122	1.027	ppb	96
47) 1,2-Dibromoethane (EDB)	7.00	107	3131	1.055	ppb	91
48) Chlorobenzene	7.46	112	9150	1.069	ppb	87
49) Ethylbenzene	7.57	91	14423	1.049	ppb	89
50) 1,1,1,2-Tetrachloroethane	7.54	131	3364	1.061	ppb	94
51) m,p-Xylene	7.68	106	11543	2.076	ppb	88
52) o-Xylene	8.05	106	5903	1.068	ppb	# 80
53) Styrene	8.06	104	9518	1.015	ppb	87
54) Isopropylbenzene	8.40	105	14776	1.056	ppb	94
55) Bromoform	8.23	173	2496	0.998	ppb	96
58) n-Propylbenzene	8.79	91	16762	1.114	ppb	96
59) Bromobenzene	8.68	156	4883	1.122	ppb	# 78
60) 1,3,5-Trimethylbenzene	8.97	105	12053	1.086	ppb	80
61) 1,1,2,2-Tetrachloroethane	8.68	83	4283	1.118	ppb	90
62) 1,2,3-Trichloropropane	8.72	75	3269	1.127	ppb	99
63) 2-Chlorotoluene	8.87	91	9472	1.055	ppb	81
64) 4-Chlorotoluene	8.97	91	11807	1.103	ppb	80
65) tert-Butylbenzene	9.28	119	10745	1.096	ppb	77
66) 1,2,4-Trimethylbenzene	9.33	105	12800	1.107	ppb	92
67) sec-Butylbenzene	9.49	105	14457	1.099	ppb	89
68) p-Isopropyltoluene	9.64	119	13478	1.123	ppb	93
69) 1,3-Dichlorobenzene	9.59	146	8422	1.091	ppb	95
70) 1,4-Dichlorobenzene	9.68	146	8714	1.094	ppb	94
71) 1,2-Dichlorobenzene	10.03	146	8437	1.113	ppb	85
72) 1,2-Dibromo-3-chloropr...	10.80	75	857	1.079	ppb	# 65
73) 1,2,4-Trichlorobenzene	11.62	180	6401	1.122	ppb	100
74) Hexachlorobutadiene	11.81	225	2512	1.142	ppb	92
75) Naphthalene	11.86	128	15350	1.092	ppb	97
76) 1,2,3-Trichlorobenzene	12.10	180	6008	1.113	ppb	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110810.D
 Acq On : 8 Nov 2022 12:53 pm
 Operator : LM
 Sample : 1 ppb 8260 ICAL 67-177K
 Misc : soil/water
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS4

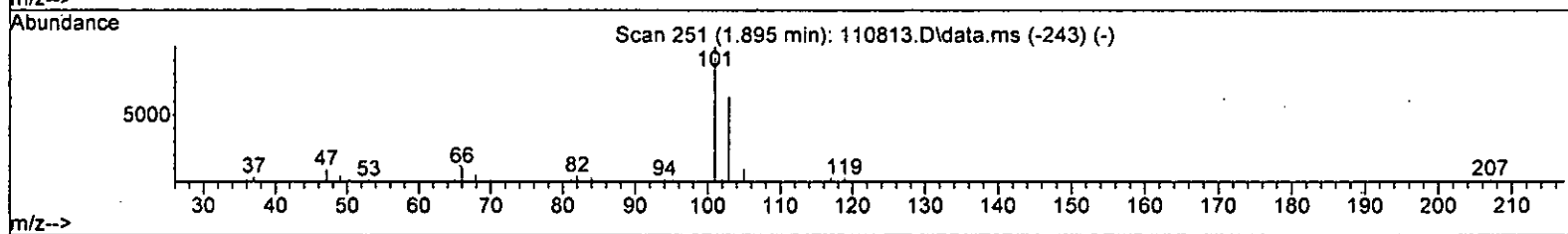
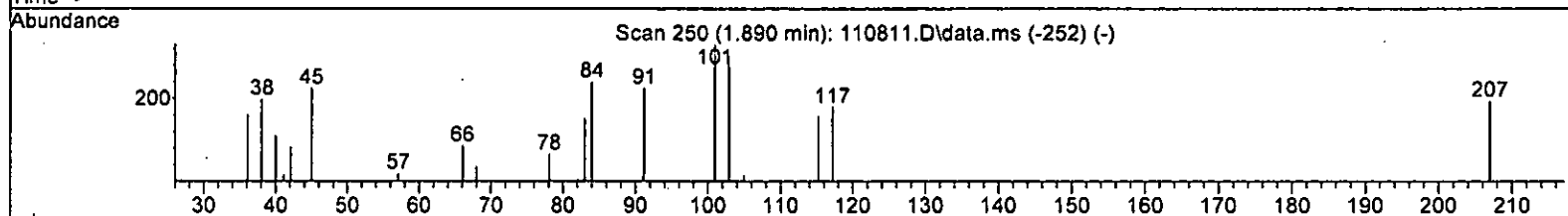
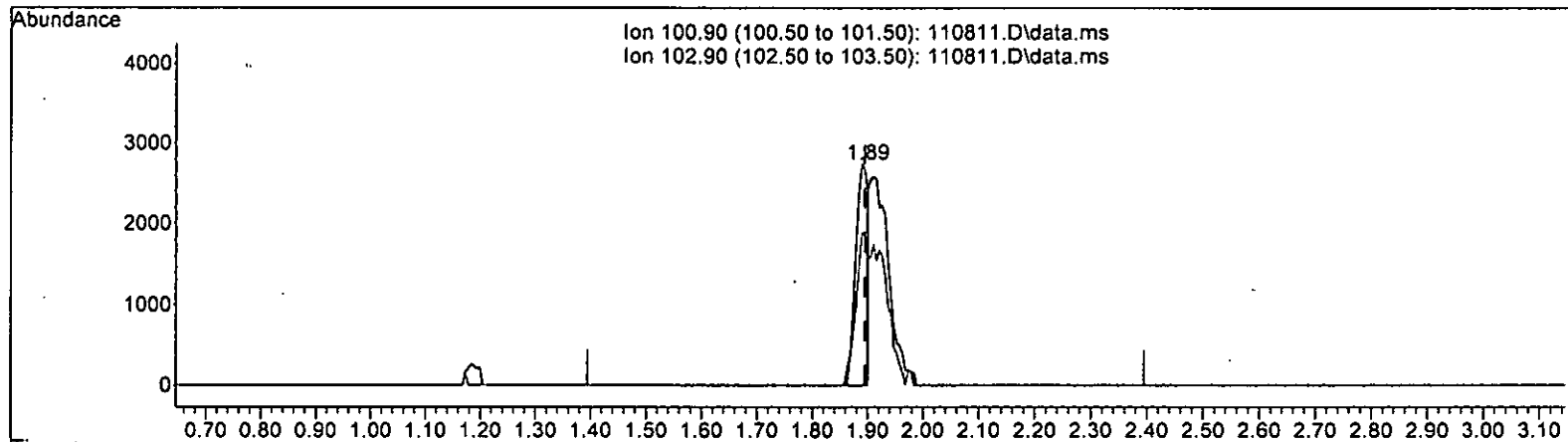
Quant Time: Nov 08 16:47:33 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110811.D
 Acq On : 8 Nov 2022 1:17 pm
 Operator : LM
 Sample : 2 ppb 8260 ICAL 67-177L
 Misc : soil/water
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:35 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



TIC: 110811.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.890min (-0.005) 0.845 ppb

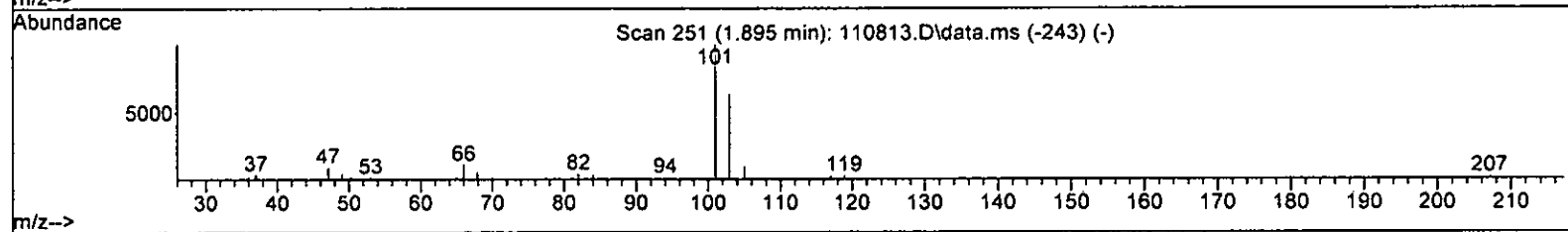
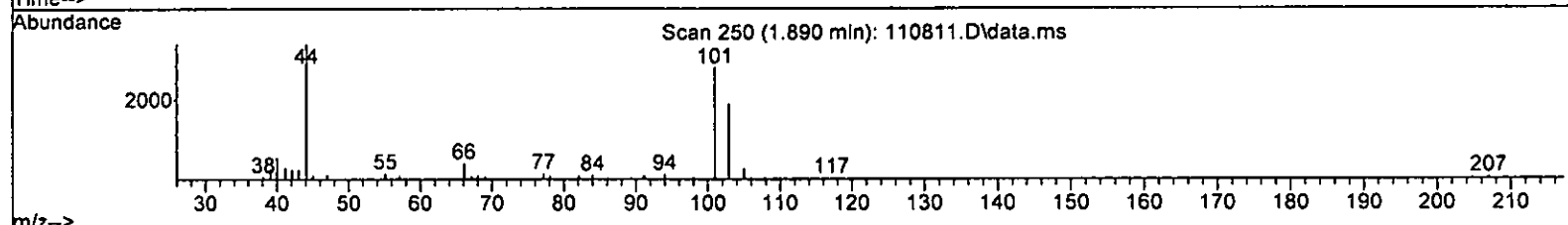
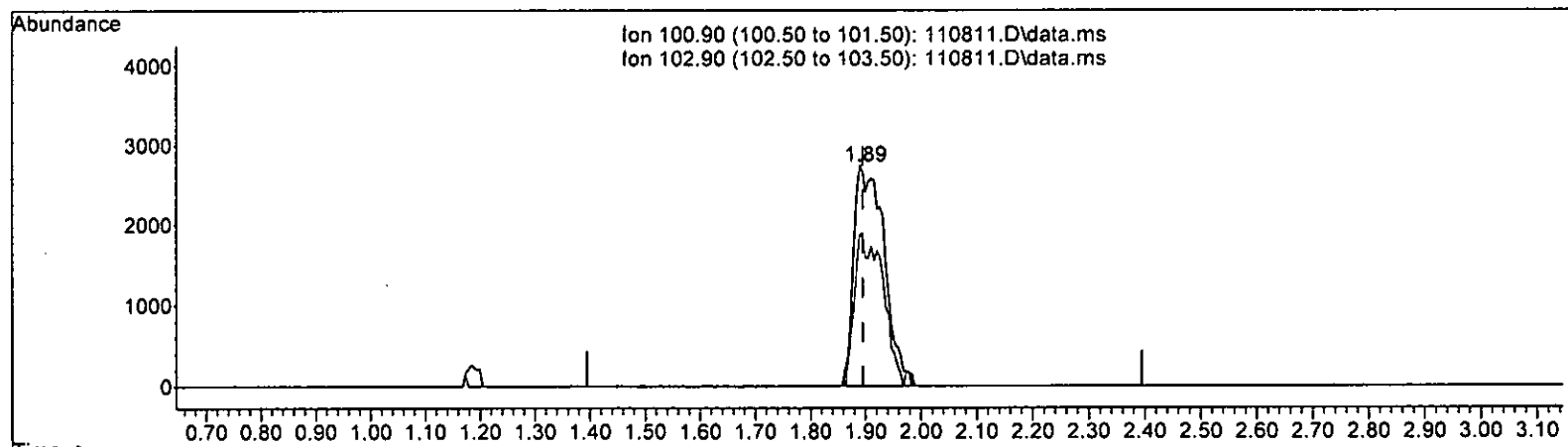
response 4197

Ion	Exp%	Act%
100.90	100.00	100.00
102.90	61.00	68.76
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110811.D
 Acq On : 8 Nov 2022 1:17 pm
 Operator : LM
 Sample : 2 ppb 8260 ICAL 67-177L
 Misc : soil/water
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:35 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



TIC: 110811.D\data.ms

(9) Trichlorofluoromethane (TMP)

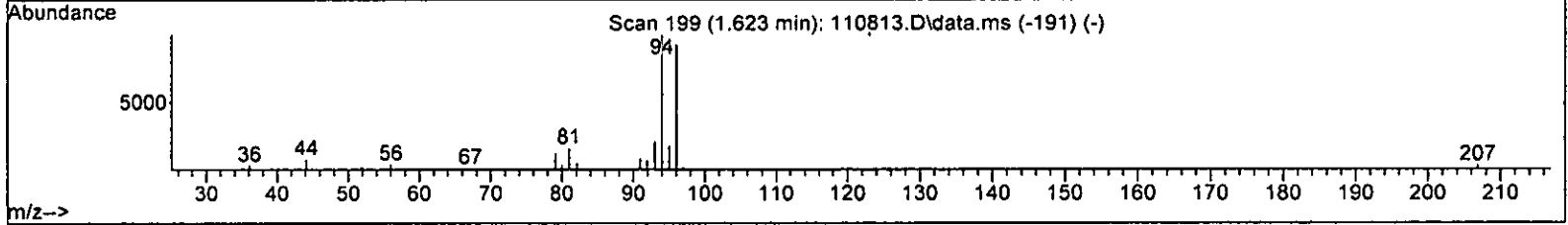
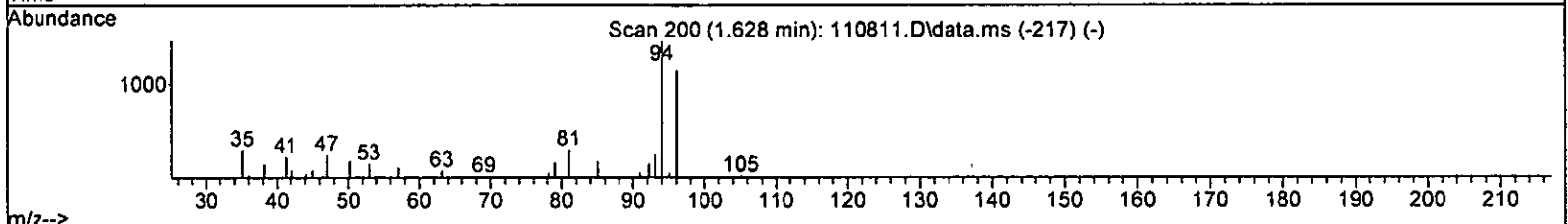
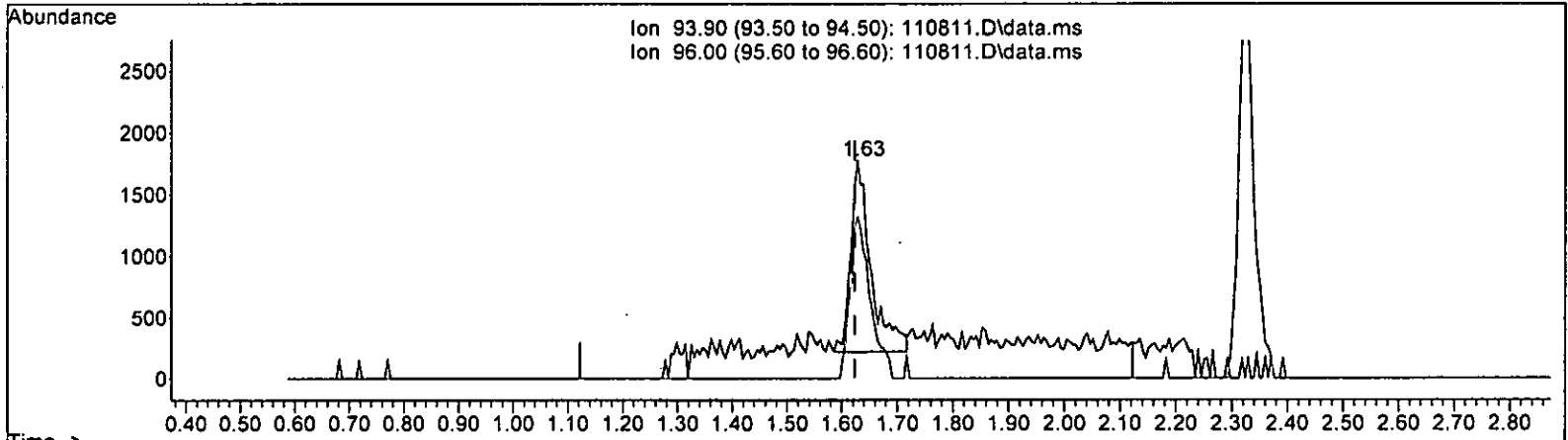
1.890min (-0.005) 2.074 ppb m

response	10299		
Ion	Exp%	Act%	
100.90	100.00	100.00	
102.90	61.00	68.76	
0.00	0.00	0.00	
0.00	0.00	0.00	

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110811.D
 Acq On : 8 Nov 2022 1:17 pm
 Operator : LM
 Sample : 2 ppb 8260 ICAL 67-177L
 Misc : soil/water
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:35 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



TIC: 110811.D\data.ms

(7) Bromomethane (TMP)

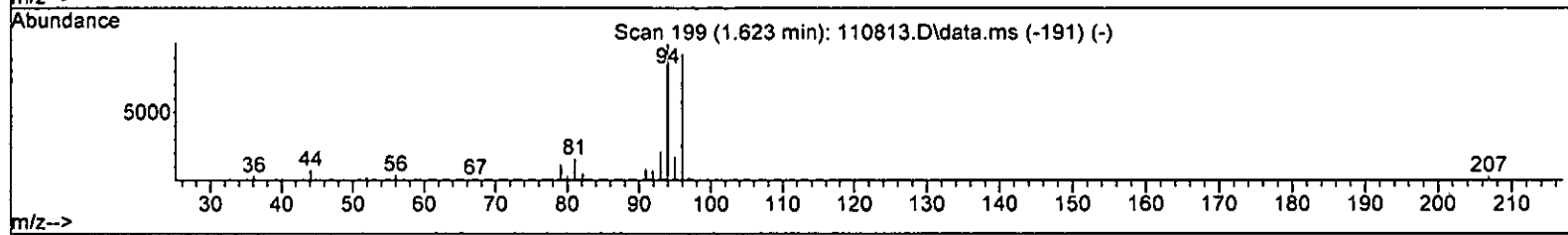
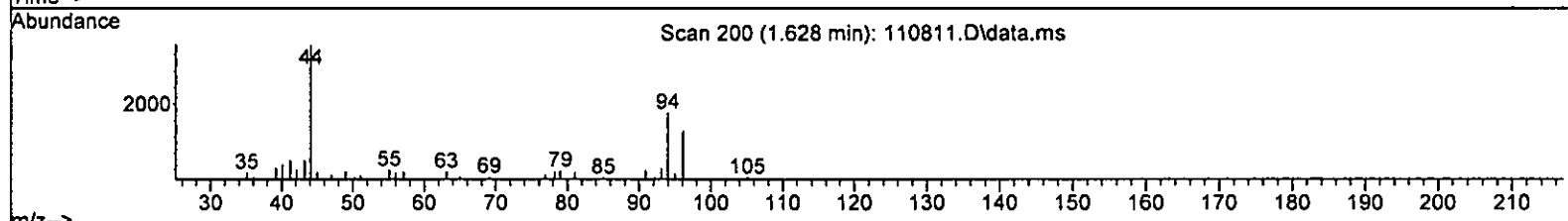
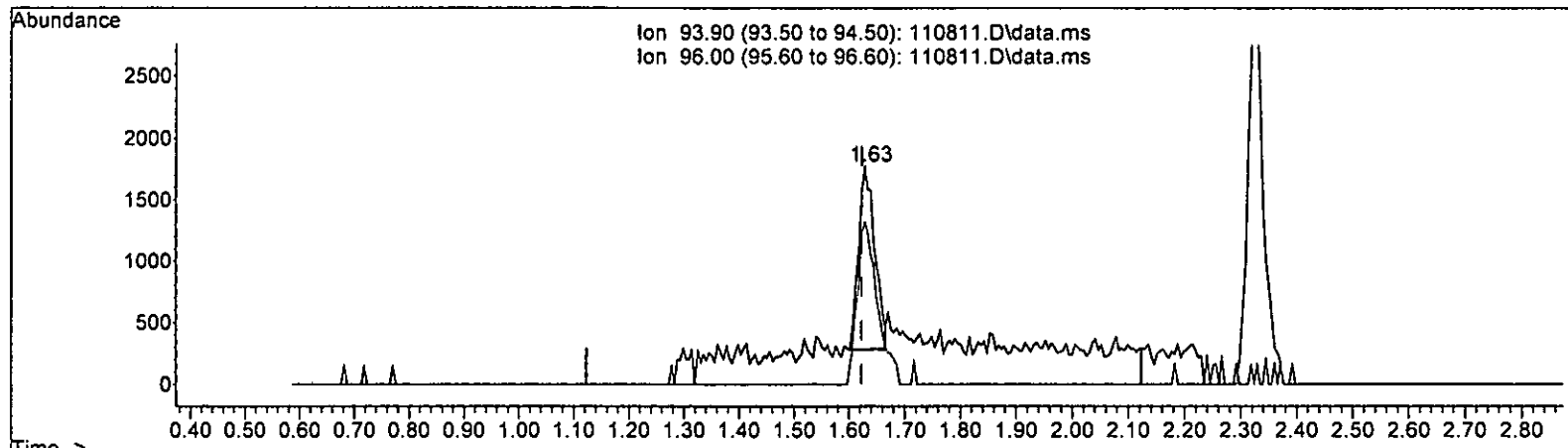
1.628min (+ 0.005) 2.653 ppb

response	3929	
Ion	Exp%	Act%
93.90	100.00	100.00
96.00	89.10	85.17
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110811.D
 Acq On : 8 Nov 2022 1:17 pm
 Operator : LM
 Sample : 2 ppb 8260 ICAL 67-177L
 Misc : soil/water
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:35 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



TIC: 110811.D\data.ms

(7) Bromomethane (TMP)

1.628min (+ 0.005) 2.005 ppb m

response	2970	
Ion	Exp%	Act%
93.90	100.00	100.00
96.00	89.10	74.76
0.00	0.00	0.00
0.00	0.00	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110811.D
 Acq On : 8 Nov 2022 1:17 pm
 Operator : LM
 Sample : 2 ppb 8260 ICAL 67-177L
 Misc : soil/water
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:35 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I Fluorobenzene	10.000	10.000	0.0	100	0.00
2 TMP Ethanol	-1.000	0.000	0.0	0	-1.07#
3 S Dibromofluoromethane	10.000	10.098	-1.0	100	0.00
4 TMP Dichlorodifluoromethane	2.000	1.922	3.9	100	0.01
5 TMP Chloromethane	2.000	2.240	-12.0	100	0.01
6 TMP Vinyl chloride	2.000	2.032	-1.6	100	0.01
7 TMP Bromomethane	2.000	2.005	-0.2	76	0.00
8 TMP Chloroethane	2.000	2.289	-14.5	100	0.01
9 TMP Trichlorofluoromethane	2.000	2.074	-3.7	100	0.00
10 TMP 2-Propanol	-1.000	0.000	0.0	0	-2.99#
11 TMP Acetone	10.000	7.405	25.9#	100	0.00
12 TMP 1,1-Dichloroethene	2.000	2.104	-5.2	100	0.00
13 TMP Hexane	2.000	2.227	-11.3	100	0.00
14 TMP Methylene chloride	2.000	2.089	-4.4	100	0.00
15 TMP t-Butyl alcohol (TBA)	10.000	10.174	-1.7	100	0.00
16 TMP Methyl t-butyl ether (MTBE)	2.000	2.144	-7.2	100	0.00
17 TMP trans-1,2-Dichloroethene	2.000	2.059	-3.0	100	0.00
18 TMP Diisopropyl ether (DIPE)	2.000	2.082	-4.1	100	0.00
19 TMP 1,1-Dichloroethane	2.000	2.096	-4.8	100	0.00
20 TMP Ethyl t-butyl ether (ETBE)	2.000	2.121	-6.0	100	0.00
21 TMP 2,2-Dichloropropane	2.000	2.269	-13.5	100	0.00
22 TMP cis-1,2-Dichloroethene	2.000	2.111	-5.6	100	0.00
23 TMP Chloroform	2.000	2.079	-4.0	100	0.00
24 TMP 2-Butanone (MEK)	10.000	9.889	1.1	100	0.00
25 TMP t-Amyl methyl ether (TAME)	2.000	2.140	-7.0	100	0.00
26 TMP 1,2-Dichloroethane (EDC)	2.000	2.167	-8.3	100	0.00
27 TMP 1,1,1-Trichloroethane	2.000	2.137	-6.9	100	0.00
28 TMP 1,1-Dichloropropene	2.000	2.087	-4.4	100	0.00
29 TMP Carbon tetrachloride	2.000	2.071	-3.6	100	0.00
30 S 1,2-Dichloroethane-d4	10.000	9.991	0.1	100	0.00
31 TMP Benzene	2.000	2.164	-8.2	100	0.00
32 TMP Trichloroethene	2.000	2.007	-0.4	100	0.00
33 TMP 1,2-Dichloropropane	2.000	2.125	-6.3	100	0.00
34 TMP Bromodichloromethane	2.000	2.087	-4.4	100	0.00
35 S Toluene-d8	10.000	9.740	2.6	100	0.00
36 TMP Dibromomethane	2.000	2.113	-5.6	100	0.00
37 TMP 4-Methyl-2-pentanone	10.000	9.895	1.1	100	0.00
38 TMP cis-1,3-Dichloropropene	2.000	1.993	0.3	100	0.00
39 I Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40 TMP Toluene	2.000	2.184	-9.2	100	0.00
41 TMP trans-1,3-Dichloropropene	2.000	2.007	-0.4	100	0.00
42 TMP 1,1,2-Trichloroethane	2.000	2.158	-7.9	100	0.00
43 TMP 2-Hexanone	10.000	10.236	-2.4	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110811.D
 Acq On : 8 Nov 2022 1:17 pm
 Operator : LM
 Sample : 2 ppb 8260 ICAL 67-177L
 Misc : soil/water
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:35 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	2.000	2.076	-3.8	100	0.00
45 TMP Tetrachloroethene	2.000	2.191	-9.5	100	0.00
46 TMP Dibromochloromethane	2.000	2.144	-7.2	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	2.000	2.067	-3.4	100	0.00
48 TMP Chlorobenzene	2.000	2.088	-4.4	100	0.00
49 TMP Ethylbenzene	2.000	2.110	-5.5	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	2.000	2.174	-8.7	100	0.00
51 TMP m,p-Xylene	4.000	4.242	-6.0	100	0.00
52 TMP o-Xylene	2.000	2.075	-3.8	100	0.00
53 TMP Styrene	2.000	2.169	-8.5	100	0.00
54 TMP Isopropylbenzene	2.000	2.118	-5.9	100	0.00
55 TMP Bromoform	2.000	2.048	-2.4	100	0.00
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	10.000	9.959	0.4	100	0.00
58 TMP n-Propylbenzene	2.000	2.064	-3.2	100	0.00
59 TMP Bromobenzene	2.000	2.155	-7.7	100	0.00
60 TMP 1,3,5-Trimethylbenzene	2.000	2.064	-3.2	100	0.00
61 TMP 1,1,1,2-Tetrachloroethane	2.000	2.133	-6.7	100	0.00
62 TMP 1,2,3-Trichloropropane	2.000	2.089	-4.4	100	0.00
63 TMP 2-Chlorotoluene	2.000	2.140	-7.0	100	0.00
64 TMP 4-Chlorotoluene	2.000	2.075	-3.8	100	0.00
65 TMP tert-Butylbenzene	2.000	2.110	-5.5	100	0.00
66 TMP 1,2,4-Trimethylbenzene	2.000	2.110	-5.5	100	0.00
67 TMP sec-Butylbenzene	2.000	2.082	-4.1	100	0.00
68 TMP p-Isopropyltoluene	2.000	2.101	-5.0	100	0.00
69 TMP 1,3-Dichlorobenzene	2.000	2.111	-5.6	100	0.00
70 TMP 1,4-Dichlorobenzene	2.000	2.152	-7.6	100	0.00
71 TMP 1,2-Dichlorobenzene	2.000	2.109	-5.4	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	2.000	1.826	8.7	100	0.00
73 TMP 1,2,4-Trichlorobenzene	2.000	2.100	-5.0	100	0.00
74 TMP Hexachlorobutadiene	2.000	2.101	-5.0	100	0.00
75 TMP Naphthalene	2.000	2.066	-3.3	100	0.00
76 TMP 1,2,3-Trichlorobenzene	2.000	2.154	-7.7	100	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110811.D
 Acq On : 8 Nov 2022 1:17 pm
 Operator : LM
 Sample : 2 ppb 8260 ICAL 67-177L
 Misc : soil/water
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:35 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I Fluorobenzene	1.000	1.000	0.0	100	0.00
2 TMP Ethanol	0.000	0.000#	0.0	0#	-1.07#
3 S Dibromofluoromethane	0.275	0.278	-1.1	100	0.00
4 TMP Dichlorodifluoromethane	0.410	0.394	3.9	100	0.01
5 TMP Chloromethane	0.380	0.425	-11.8	100	0.01
6 TMP Vinyl chloride	0.360	0.366	-1.7	100	0.01
7 TMP Bromomethane	0.168	0.168	0.0	76	0.00
8 TMP Chloroethane	0.189	0.216	-14.3	100	0.01
9 TMP Trichlorofluoromethane	0.562	0.583	-3.7	100	0.00
10 TMP 2-Propanol	0.000	0.000	0.0	0#	-2.99#
11 TMP Acetone	0.037	0.035	5.4	100	0.00
12 TMP 1,1-Dichloroethene	0.333	0.351	-5.4	100	0.00
13 TMP Hexane	0.348	0.388	-11.5	100	0.00
14 TMP Methylene chloride	0.369	0.579	-56.9#	100	0.00
15 TMP t-Butyl alcohol (TBA)	0.051	0.052	-2.0	100	0.00
16 TMP Methyl t-butyl ether (MTBE)	0.971	1.041	-7.2	100	0.00
17 TMP trans-1,2-Dichloroethene	0.353	0.363	-2.8	100	0.00
18 TMP Diisopropyl ether (DIPE)	0.889	0.925	-4.0	100	0.00
19 TMP 1,1-Dichloroethane	0.536	0.561	-4.7	100	0.00
20 TMP Ethyl t-butyl ether (ETBE)	0.425	0.451	-6.1	100	0.00
21 TMP 2,2-Dichloropropane	0.352	0.414	-17.6	100	0.00
22 TMP cis-1,2-Dichloroethene	0.382	0.403	-5.5	100	0.00
23 TMP Chloroform	0.583	0.606	-3.9	100	0.00
24 TMP 2-Butanone (MEK)	0.186	0.184	1.1	100	0.00
25 TMP t-Amyl methyl ether (TAME)	0.964	1.031	-7.0	100	0.00
26 TMP 1,2-Dichloroethane (EDC)	0.438	0.475	-8.4	100	0.00
27 TMP 1,1,1-Trichloroethane	0.532	0.569	-7.0	100	0.00
28 TMP 1,1-Dichloropropene	0.448	0.468	-4.5	100	0.00
29 TMP Carbon tetrachloride	0.479	0.496	-3.5	100	0.00
30 S 1,2-Dichloroethane-d4	0.063	0.063	0.0	100	0.00
31 TMP Benzene	1.286	1.391	-8.2	100	0.00
32 TMP Trichloroethene	0.373	0.374	-0.3	100	0.00
33 TMP 1,2-Dichloropropane	0.284	0.302	-6.3	100	0.00
34 TMP Bromodichloromethane	0.432	0.451	-4.4	100	0.00
35 S Toluene-d8	1.002	0.976	2.6	100	0.00
36 TMP Dibromomethane	0.216	0.228	-5.6	100	0.00
37 TMP 4-Methyl-2-pentanone	0.077	0.076	1.3	100	0.00
38 TMP cis-1,3-Dichloropropene	0.504	0.502	0.4	100	0.00
39 I Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40 TMP Toluene	0.968	1.057	-9.2	100	0.00
41 TMP trans-1,3-Dichloropropene	0.553	0.555	-0.4	100	0.00
42 TMP 1,1,2-Trichloroethane	0.293	0.316	-7.8	100	0.00
43 TMP 2-Hexanone	0.320	0.328	-2.5	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110811.D
 Acq On : 8 Nov 2022 1:17 pm
 Operator : LM
 Sample : 2 ppb 8260 ICAL 67-177L
 Misc : soil/water
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:35 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.560	0.582	-3.9	100	0.00
45 TMP Tetrachloroethene	0.431	0.472	-9.5	100	0.00
46 TMP Dibromochloromethane	0.429	0.444	-3.5	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	0.398	0.412	-3.5	100	0.00
48 TMP Chlorobenzene	1.148	1.199	-4.4	100	0.00
49 TMP Ethylbenzene	1.845	1.946	-5.5	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.426	0.463	-8.7	100	0.00
51 TMP m,p-Xylene	0.746	0.791	-6.0	100	0.00
52 TMP o-Xylene	0.741	0.769	-3.8	100	0.00
53 TMP Styrene	1.258	1.364	-8.4	100	0.00
54 TMP Isopropylbenzene	1.878	1.989	-5.9	100	0.00
55 TMP Bromoform	0.362	0.345	4.7	100	0.00
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	0.701	0.698	0.4	100	0.00
58 TMP n-Propylbenzene	3.165	3.266	-3.2	100	0.00
59 TMP Bromobenzene	0.916	0.987	-7.8	100	0.00
60 TMP 1,3,5-Trimethylbenzene	2.336	2.411	-3.2	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.806	0.860	-6.7	100	0.00
62 TMP 1,2,3-Trichloropropane	0.610	0.638	-4.6	100	0.00
63 TMP 2-Chlorotoluene	1.890	2.022	-7.0	100	0.00
64 TMP 4-Chlorotoluene	2.253	2.337	-3.7	100	0.00
65 TMP tert-Butylbenzene	2.062	2.176	-5.5	100	0.00
66 TMP 1,2,4-Trimethylbenzene	2.433	2.567	-5.5	100	0.00
67 TMP sec-Butylbenzene	2.769	2.882	-4.1	100	0.00
68 TMP p-Isopropyltoluene	2.526	2.653	-5.0	100	0.00
69 TMP 1,3-Dichlorobenzene	1.624	1.715	-5.6	100	0.00
70 TMP 1,4-Dichlorobenzene	1.675	1.803	-7.6	100	0.00
71 TMP 1,2-Dichlorobenzene	1.595	1.682	-5.5	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	0.167	0.153	8.4	100	0.00
73 TMP 1,2,4-Trichlorobenzene	1.200	1.261	-5.1	100	0.00
74 TMP Hexachlorobutadiene	0.463	0.486	-5.0	100	0.00
75 TMP Naphthalene	2.957	3.055	-3.3	100	0.00
76 TMP 1,2,3-Trichlorobenzene	1.136	1.224	-7.7	100	0.00

(#) = Out of Range

SPCC's out = 1 CCC's out = 0

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110811.D
 Acq On : 8 Nov 2022 1:17 pm
 Operator : LM
 Sample : 2 ppb 8260 ICAL 67-177L
 Misc : soil/water
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:35 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.78	96	88402	10.000	ppb	0.00
39) Chlorobenzene-d5	7.43	117	71977	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.65	152	47903	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.21	113	24540	10.098	ppb	0.00
Spiked Amount	10.000	Range	0 - 1000	Recovery	=	101.00%
30) 1,2-Dichloroethane-d4	4.49	102	5608	9.991	ppb	0.00
Spiked Amount	10.000	Range	90 - 109	Recovery	=	99.90%
35) Toluene-d8	6.14	98	86255	9.740	ppb	0.00
Spiked Amount	10.000	Range	89 - 112	Recovery	=	97.40%
57) 4-Bromofluorobenzene	8.54	95	33458	9.959	ppb	0.00
Spiked Amount	10.000	Range	84 - 115	Recovery	=	99.60%
Target Compounds						
2) Ethanol	0.00		0	N.D.	d	
4) Dichlorodifluoromethane	1.18	85	6960	1.922	ppb	92
5) Chloromethane	1.32	50	7520	2.240	ppb	94
6) Vinyl chloride	1.41	62	6473	2.032	ppb	91
7) Bromomethane	1.63	94	2970m	2.005	ppb	
8) Chloroethane	1.71	64	3823	2.289	ppb	77
9) Trichlorofluoromethane	1.89	101	10299m	2.074	ppb	
10) 2-Propanol	0.00		0	N.D.	d	
11) Acetone	2.38	58	3125	7.405	ppb	# 79
12) 1,1-Dichloroethene	2.32	96	6202	2.104	ppb	# 71
13) Hexane	3.21	57	6861	2.227	ppb	91
14) Methylene chloride	2.74	84	10230	2.089	ppb	# 80
15) t-Butyl alcohol (TBA)	2.87	59	4608	10.174	ppb	73
16) Methyl t-butyl ether (...)	2.99	73	18412	2.144	ppb	99
17) trans-1,2-Dichloroethene	2.97	96	6423	2.059	ppb	83
18) Diisopropyl ether (DIPE)	3.40	45	16356	2.082	ppb	95
19) 1,1-Dichloroethane	3.32	63	9927	2.096	ppb	94
20) Ethyl t-butyl ether (E...)	3.70	87	7969	2.121	ppb	93
21) 2,2-Dichloropropane	3.81	77	7322	2.269	ppb	95
22) cis-1,2-Dichloroethene	3.81	96	7128	2.111	ppb	# 75
23) Chloroform	4.08	83	10719	2.079	ppb	99
24) 2-Butanone (MEK)	3.83	43	16269	9.889	ppb	95
25) t-Amyl methyl ether (T...)	4.65	73	18227	2.140	ppb	96
26) 1,2-Dichloroethane (EDC)	4.55	62	8393	2.167	ppb	96
27) 1,1,1-Trichloroethane	4.23	97	10058	2.137	ppb	93
28) 1,1-Dichloropropene	4.37	75	8269	2.087	ppb	95
29) Carbon tetrachloride	4.37	117	8775	2.071	ppb	95
31) Benzene	4.54	78	24594	2.164	ppb	96
32) Trichloroethene	5.09	95	6617	2.007	ppb	80
33) 1,2-Dichloropropane	5.27	63	5343	2.125	ppb	92
34) Bromodichloromethane	5.51	83	7966	2.087	ppb	98
36) Dibromomethane	5.37	93	4029	2.113	ppb	80

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110811.D
 Acq On : 8 Nov 2022 1:17 pm
 Operator : LM
 Sample : 2 ppb 8260 ICAL 67-177L
 Misc : soil/water
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS4

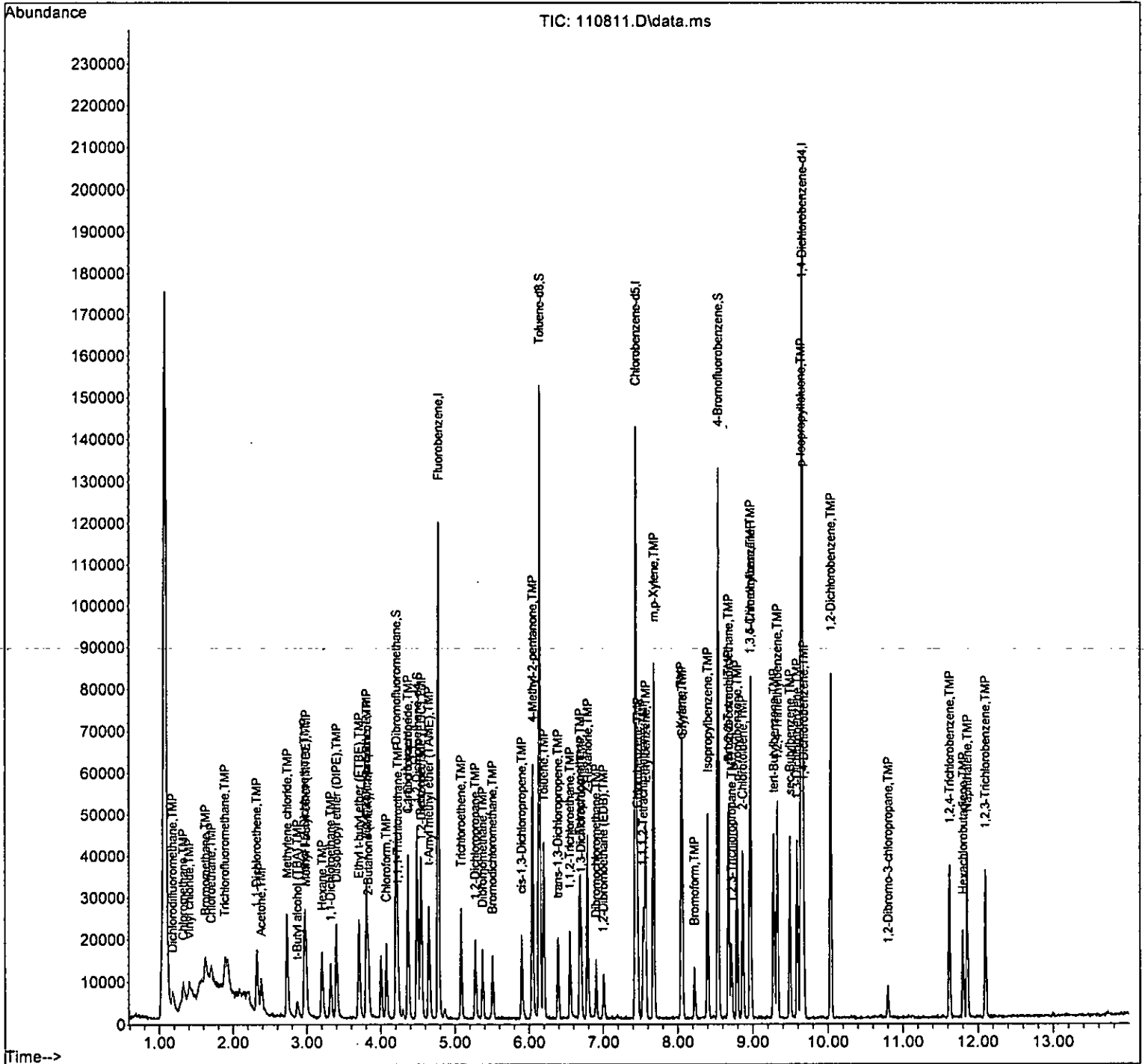
Quant Time: Nov 08 16:47:35 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
37) 4-Methyl-2-pentanone	6.05	85	6726	9.895	ppb	#	74
38) cis-1,3-Dichloropropene	5.90	75	8883	1.993	ppb		96
40) Toluene	6.20	92	15212	2.184	ppb		96
41) trans-1,3-Dichloropropene	6.39	75	7985	2.007	ppb		99
42) 1,1,2-Trichloroethane	6.55	83	4552	2.158	ppb		96
43) 2-Hexanone	6.79	43	23609	10.236	ppb		95
44) 1,3-Dichloropropane	6.70	76	8372	2.076	ppb		98
45) Tetrachloroethene	6.69	164	6793	2.191	ppb		94
46) Dibromochloromethane	6.91	129	6396	2.144	ppb		92
47) 1,2-Dibromoethane (EDB)	7.00	107	5925	2.067	ppb		98
48) Chlorobenzene	7.46	112	17257	2.088	ppb		91
49) Ethylbenzene	7.57	91	28020	2.110	ppb		94
50) 1,1,1,2-Tetrachloroethane	7.54	131	6659	2.174	ppb		95
51) m,p-Xylene	7.68	106	22778	4.242	ppb		92
52) o-Xylene	8.05	106	11069	2.075	ppb		87
53) Styrene	8.06	104	19637	2.169	ppb		88
54) Isopropylbenzene	8.40	105	28628	2.118	ppb		90
55) Bromoform	8.22	173	4969	2.048	ppb		91
58) n-Propylbenzene	8.79	91	31295	2.064	ppb		89
59) Bromobenzene	8.68	156	9453	2.155	ppb	#	82
60) 1,3,5-Trimethylbenzene	8.97	105	23103	2.064	ppb		81
61) 1,1,2,2-Tetrachloroethane	8.68	83	8238	2.133	ppb		93
62) 1,2,3-Trichloropropane	8.72	75	6109	2.089	ppb		98
63) 2-Chlorotoluene	8.87	91	19368	2.140	ppb		92
64) 4-Chlorotoluene	8.97	91	22392	2.075	ppb		84
65) tert-Butylbenzene	9.28	119	20845	2.110	ppb		83
66) 1,2,4-Trimethylbenzene	9.33	105	24597	2.110	ppb		91
67) sec-Butylbenzene	9.49	105	27615	2.082	ppb		93
68) p-Isopropyltoluene	9.64	119	25417	2.101	ppb		90
69) 1,3-Dichlorobenzene	9.59	146	16426	2.111	ppb		95
70) 1,4-Dichlorobenzene	9.68	146	17274	2.152	ppb		94
71) 1,2-Dichlorobenzene	10.04	146	16113	2.109	ppb		92
72) 1,2-Dibromo-3-chloropr...	10.80	75	1462	1.826	ppb	#	73
73) 1,2,4-Trichlorobenzene	11.62	180	12077	2.100	ppb		96
74) Hexachlorobutadiene	11.81	225	4657	2.101	ppb		98
75) Naphthalene	11.86	128	29266	2.066	ppb		99
76) 1,2,3-Trichlorobenzene	12.10	180	11722	2.154	ppb		92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110811.D
 Acq On : 8 Nov 2022 1:17 pm
 Operator : LM
 Sample : 2 ppb 8260 ICAL 67-177L
 Misc : soil/water
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:35 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110812.D
 Acq On : 8 Nov 2022 1:42 pm
 Operator : LM
 Sample : 5 ppb 8260 ICAL 67-177M
 Misc : soil/water
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:37 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2 TMP	Ethanol	-1.000	0.000	0.0	100	0.00
3 S	Dibromofluoromethane	10.000	9.840	1.6	100	0.00
4 TMP	Dichlorodifluoromethane	5.000	4.545	9.1	100	0.00
5 TMP	Chloromethane	5.000	4.484	10.3	100	0.00
6 TMP	Vinyl chloride	5.000	4.555	8.9	100	0.00
7 TMP	Bromomethane	5.000	4.266	14.7	100	0.00
8 TMP	Chloroethane	5.000	4.439	11.2	100	0.00
9 TMP	Trichlorofluoromethane	5.000	4.325	13.5	100	0.00
10 TMP	2-Propanol	-1.000	0.000	0.0	0	0.00
11 TMP	Acetone	25.000	22.627	9.5	100	0.00
12 TMP	1,1-Dichloroethene	5.000	4.210	15.8	100	0.00
13 TMP	Hexane	5.000	4.396	12.1	100	0.00
14 TMP	Methylene chloride	5.000	4.385	12.3	100	0.00
15 TMP	t-Butyl alcohol (TBA)	25.000	21.877	12.5	100	0.00
16 TMP	Methyl t-butyl ether (MTBE)	5.000	4.383	12.3	100	0.00
17 TMP	trans-1,2-Dichloroethene	5.000	4.239	15.2	100	0.00
18 TMP	Diisopropyl ether (DIPE)	5.000	4.237	15.3	100	0.00
19 TMP	1,1-Dichloroethane	5.000	4.300	14.0	100	0.00
20 TMP	Ethyl t-butyl ether (ETBE)	5.000	4.361	12.8	100	0.00
21 TMP	2,2-Dichloropropane	5.000	4.412	11.8	100	0.00
22 TMP	cis-1,2-Dichloroethene	5.000	4.193	16.1	100	0.00
23 TMP	Chloroform	5.000	4.344	13.1	100	0.00
24 TMP	2-Butanone (MEK)	25.000	20.747	17.0	100	0.00
25 TMP	t-Amyl methyl ether (TAME)	5.000	4.283	14.3	100	0.00
26 TMP	1,2-Dichloroethane (EDC)	5.000	4.271	14.6	100	0.00
27 TMP	1,1,1-Trichloroethane	5.000	4.250	15.0	100	0.00
28 TMP	1,1-Dichloropropene	5.000	4.260	14.8	100	0.00
29 TMP	Carbon tetrachloride	5.000	4.125	17.5	100	0.00
30 S	1,2-Dichloroethane-d4	10.000	10.123	-1.2	100	0.00
31 TMP	Benzene	5.000	4.180	16.4	100	0.00
32 TMP	Trichloroethene	5.000	4.112	17.8	100	0.00
33 TMP	1,2-Dichloropropane	5.000	4.304	13.9	100	0.00
34 TMP	Bromodichloromethane	5.000	4.036	19.3	100	0.00
35 S	Toluene-d8	10.000	9.903	1.0	100	0.00
36 TMP	Dibromomethane	5.000	4.245	15.1	100	0.00
37 TMP	4-Methyl-2-pentanone	25.000	21.006	16.0	100	0.00
38 TMP	cis-1,3-Dichloropropene	5.000	4.279	14.4	100	0.00
39 I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40 TMP	Toluene	5.000	4.180	16.4	100	0.00
41 TMP	trans-1,3-Dichloropropene	5.000	4.250	15.0	100	0.00
42 TMP	1,1,2-Trichloroethane	5.000	4.306	13.9	100	0.00
43 TMP	2-Hexanone	25.000	21.563	13.7	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110812.D
 Acq On : 8 Nov 2022 1:42 pm
 Operator : LM
 Sample : 5 ppb 8260 ICAL 67-177M
 Misc : soil/water
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:37 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	5.000	4.188	16.2	100	0.00
45 TMP Tetrachloroethene	5.000	4.287	14.3	100	0.00
46 TMP Dibromochloromethane	5.000	4.197	16.1	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	5.000	4.199	16.0	100	0.00
48 TMP Chlorobenzene	5.000	4.210	15.8	100	0.00
49 TMP Ethylbenzene	5.000	4.206	15.9	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	5.000	4.105	17.9	100	0.00
51 TMP m,p-Xylene	10.000	8.398	16.0	100	0.00
52 TMP o-Xylene	5.000	4.173	16.5	100	0.00
53 TMP Styrene	5.000	4.318	13.6	100	0.00
54 TMP Isopropylbenzene	5.000	4.207	15.9	100	0.00
55 TMP Bromoform	5.000	4.414	11.7	100	0.00
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	10.000	10.048	-0.5	100	0.00
58 TMP n-Propylbenzene	5.000	4.155	16.9	100	0.00
59 TMP Bromobenzene	5.000	4.335	13.3	100	0.00
60 TMP 1,3,5-Trimethylbenzene	5.000	4.208	15.8	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	5.000	4.319	13.6	100	0.00
62 TMP 1,2,3-Trichloropropane	5.000	4.322	13.6	100	0.00
63 TMP 2-Chlorotoluene	5.000	4.314	13.7	100	0.00
64 TMP 4-Chlorotoluene	5.000	4.201	16.0	100	0.00
65 TMP tert-Butylbenzene	5.000	4.235	15.3	100	0.00
66 TMP 1,2,4-Trimethylbenzene	5.000	4.194	16.1	100	0.00
67 TMP sec-Butylbenzene	5.000	4.216	15.7	100	0.00
68 TMP p-Isopropyltoluene	5.000	4.158	16.8	100	0.00
69 TMP 1,3-Dichlorobenzene	5.000	4.230	15.4	100	0.00
70 TMP 1,4-Dichlorobenzene	5.000	4.241	15.2	100	0.00
71 TMP 1,2-Dichlorobenzene	5.000	4.167	16.7	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	5.000	4.171	16.6	100	0.00
73 TMP 1,2,4-Trichlorobenzene	5.000	4.272	14.6	100	0.00
74 TMP Hexachlorobutadiene	5.000	4.521	9.6	100	0.00
75 TMP Naphthalene	5.000	4.289	14.2	100	0.00
76 TMP 1,2,3-Trichlorobenzene	5.000	4.265	14.7	100	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110812.D
 Acq On : 8 Nov 2022 1:42 pm
 Operator : LM
 Sample : 5 ppb 8260 ICAL 67-177M
 Misc : soil/water
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:37 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I Fluorobenzene	1.000	1.000	0.0	100	0.00
2 TMP Ethanol	0.000	0.000#	0.0	100	0.00
3 S Dibromofluoromethane	0.275	0.271	1.5	100	0.00
4 TMP Dichlorodifluoromethane	0.410	0.372	9.3	100	0.00
5 TMP Chloromethane	0.380	0.341	10.3	100	0.00
6 TMP Vinyl chloride	0.360	0.328	8.9	100	0.00
7 TMP Bromomethane	0.168	0.143	14.9	100	0.00
8 TMP Chloroethane	0.189	0.168	11.1	100	0.00
9 TMP Trichlorofluoromethane	0.562	0.486	13.5	100	0.00
10 TMP 2-Propanol	0.000	0.000	0.0	0#	0.00
11 TMP Acetone	0.037	0.028	24.3#	100	0.00
12 TMP 1,1-Dichloroethene	0.333	0.281	15.6	100	0.00
13 TMP Hexane	0.348	0.306	12.1	100	0.00
14 TMP Methylene chloride	0.369	0.375	-1.6	100	0.00
15 TMP t-Butyl alcohol (TBA)	0.051	0.045	11.8	100	0.00
16 TMP Methyl t-butyl ether (MTBE)	0.971	0.851	12.4	100	0.00
17 TMP trans-1,2-Dichloroethene	0.353	0.299	15.3	100	0.00
18 TMP Diisopropyl ether (DIPE)	0.889	0.753	15.3	100	0.00
19 TMP 1,1-Dichloroethane	0.536	0.461	14.0	100	0.00
20 TMP Ethyl t-butyl ether (ETBE)	0.425	0.371	12.7	100	0.00
21 TMP 2,2-Dichloropropane	0.352	0.312	11.4	100	0.00
22 TMP cis-1,2-Dichloroethene	0.382	0.320	16.2	100	0.00
23 TMP Chloroform	0.583	0.505	13.4	100	0.00
24 TMP 2-Butanone (MEK)	0.186	0.154	17.2	100	0.00
25 TMP t-Amyl methyl ether (TAME)	0.964	0.825	14.4	100	0.00
26 TMP 1,2-Dichloroethane (EDC)	0.438	0.374	14.6	100	0.00
27 TMP 1,1,1-Trichloroethane	0.532	0.453	14.8	100	0.00
28 TMP 1,1-Dichloropropene	0.448	0.382	14.7	100	0.00
29 TMP Carbon tetrachloride	0.479	0.395	17.5	100	0.00
30 S 1,2-Dichloroethane-d4	0.063	0.064	-1.6	100	0.00
31 TMP Benzene	1.286	1.075	16.4	100	0.00
32 TMP Trichloroethene	0.373	0.307	17.7	100	0.00
33 TMP 1,2-Dichloropropane	0.284	0.245	13.7	100	0.00
34 TMP Bromodichloromethane	0.432	0.348	19.4	100	0.00
35 S Toluene-d8	1.002	0.992	1.0	100	0.00
36 TMP Dibromomethane	0.216	0.183	15.3	100	0.00
37 TMP 4-Methyl-2-pentanone	0.077	0.065	15.6	100	0.00
38 TMP cis-1,3-Dichloropropene	0.504	0.431	14.5	100	0.00
39 I Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40 TMP Toluene	0.968	0.809	16.4	100	0.00
41 TMP trans-1,3-Dichloropropene	0.553	0.470	15.0	100	0.00
42 TMP 1,1,2-Trichloroethane	0.293	0.252	14.0	100	0.00
43 TMP 2-Hexanone	0.320	0.276	13.7	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110812.D
 Acq On : 8 Nov 2022 1:42 pm
 Operator : LM
 Sample : 5 ppb 8260 ICAL 67-177M
 Misc : soil/water
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:37 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.560	0.469	16.3	100	0.00
45 TMP Tetrachloroethene	0.431	0.369	14.4	100	0.00
46 TMP Dibromochloromethane	0.429	0.351	18.2	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	0.398	0.334	16.1	100	0.00
48 TMP Chlorobenzene	1.148	0.967	15.8	100	0.00
49 TMP Ethylbenzene	1.845	1.552	15.9	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.426	0.349	18.1	100	0.00
51 TMP m,p-Xylene	0.746	0.626	16.1	100	0.00
52 TMP o-Xylene	0.741	0.619	16.5	100	0.00
53 TMP Styrene	1.258	1.086	13.7	100	0.00
54 TMP Isopropylbenzene	1.878	1.580	15.9	100	0.00
55 TMP Bromoform	0.362	0.299	17.4	100	0.00
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	0.701	0.705	-0.6	100	0.00
58 TMP n-Propylbenzene	3.165	2.630	16.9	100	0.00
59 TMP Bromobenzene	0.916	0.794	13.3	100	0.00
60 TMP 1,3,5-Trimethylbenzene	2.336	1.966	15.8	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.806	0.696	13.6	100	0.00
62 TMP 1,2,3-Trichloropropane	0.610	0.528	13.4	100	0.00
63 TMP 2-Chlorotoluene	1.890	1.630	13.8	100	0.00
64 TMP 4-Chlorotoluene	2.253	1.893	16.0	100	0.00
65 TMP tert-Butylbenzene	2.062	1.747	15.3	100	0.00
66 TMP 1,2,4-Trimethylbenzene	2.433	2.041	16.1	100	0.00
67 TMP sec-Butylbenzene	2.769	2.335	15.7	100	0.00
68 TMP p-Isopropyltoluene	2.526	2.100	16.9	100	0.00
69 TMP 1,3-Dichlorobenzene	1.624	1.374	15.4	100	0.00
70 TMP 1,4-Dichlorobenzene	1.675	1.421	15.2	100	0.00
71 TMP 1,2-Dichlorobenzene	1.595	1.329	16.7	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	0.167	0.139	16.8	100	0.00
73 TMP 1,2,4-Trichlorobenzene	1.200	1.026	14.5	100	0.00
74 TMP Hexachlorobutadiene	0.463	0.418	9.7	100	0.00
75 TMP Naphthalene	2.957	2.536	14.2	100	0.00
76 TMP 1,2,3-Trichlorobenzene	1.136	0.969	14.7	100	0.00

(#) = Out of Range

SPCC's out = 1 CCC's out = 0

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110812.D
 Acq On : 8 Nov 2022 1:42 pm
 Operator : LM
 Sample : 5 ppb 8260 ICAL 67-177M
 Misc : soil/water
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:37 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	4.78	96	89475	10.000	ppb	0.00
39) Chlorobenzene-d5	7.43	117	75227	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.65	152	49685	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.21	113	24204	9.840	ppb	0.00
Spiked Amount	10.000	Range	0 - 1000	Recovery	=	98.40%
30) 1,2-Dichloroethane-d4	4.49	102	5751	10.123	ppb	0.00
Spiked Amount	10.000	Range	90 - 109	Recovery	=	101.20%
35) Toluene-d8	6.14	98	88763	9.903	ppb	0.00
Spiked Amount	10.000	Range	89 - 112	Recovery	=	99.00%
57) 4-Bromofluorobenzene	8.54	95	35011	10.048	ppb	0.00
Spiked Amount	10.000	Range	84 - 115	Recovery	=	100.50%
Target Compounds						
2) Ethanol	1.07	45	4011	No Calib		Qvalue
4) Dichlorodifluoromethane	1.18	85	16657	4.545	ppb	100
5) Chloromethane	1.32	50	15238	4.484	ppb	97
6) Vinyl chloride	1.40	62	14685	4.555	ppb	95
7) Bromomethane	1.63	94	6395	4.266	ppb	94
8) Chloroethane	1.70	64	7504	4.439	ppb	96
9) Trichlorofluoromethane	1.89	101	21736	4.325	ppb	96
10) 2-Propanol	2.98	45	2008	No Calib		
11) Acetone	2.38	58	6221	22.627	ppb	94
12) 1,1-Dichloroethene	2.32	96	12558	4.210	ppb	# 80
13) Hexane	3.21	57	13709	4.396	ppb	94
14) Methylene chloride	2.73	84	16785	4.385	ppb	86
15) t-Butyl alcohol (TBA)	2.87	59	10029	21.877	ppb	84
16) Methyl t-butyl ether (...)	2.99	73	38093	4.383	ppb	98
17) trans-1,2-Dichloroethene	2.97	96	13385	4.239	ppb	84
18) Diisopropyl ether (DIPE)	3.40	45	33689	4.237	ppb	91
19) 1,1-Dichloroethane	3.32	63	20612	4.300	ppb	97
20) Ethyl t-butyl ether (E...)	3.70	87	16582	4.361	ppb	# 78
21) 2,2-Dichloropropane	3.81	77	13949	4.412	ppb	97
22) cis-1,2-Dichloroethene	3.81	96	14332	4.193	ppb	# 81
23) Chloroform	4.08	83	22601	4.344	ppb	95
24) 2-Butanone (MEK)	3.83	43	34547	20.747	ppb	98
25) t-Amyl methyl ether (T...)	4.65	73	36930	4.283	ppb	98
26) 1,2-Dichloroethane (EDC)	4.56	62	16745	4.271	ppb	88
27) 1,1,1-Trichloroethane	4.23	97	20245	4.250	ppb	93
28) 1,1-Dichloropropene	4.37	75	17079	4.260	ppb	92
29) Carbon tetrachloride	4.37	117	17688	4.125	ppb	95
31) Benzene	4.54	78	48080	4.180	ppb	96
32) Trichloroethene	5.09	95	13720	4.112	ppb	83
33) 1,2-Dichloropropane	5.28	63	10952	4.304	ppb	94
34) Bromodichloromethane	5.51	83	15589	4.036	ppb	95
36) Dibromomethane	5.37	93	8194	4.245	ppb	# 80

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110812.D
 Acq On : 8 Nov 2022 1:42 pm
 Operator : LM
 Sample : 5 ppb 8260 ICAL 67-177M
 Misc : soil/water
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS4

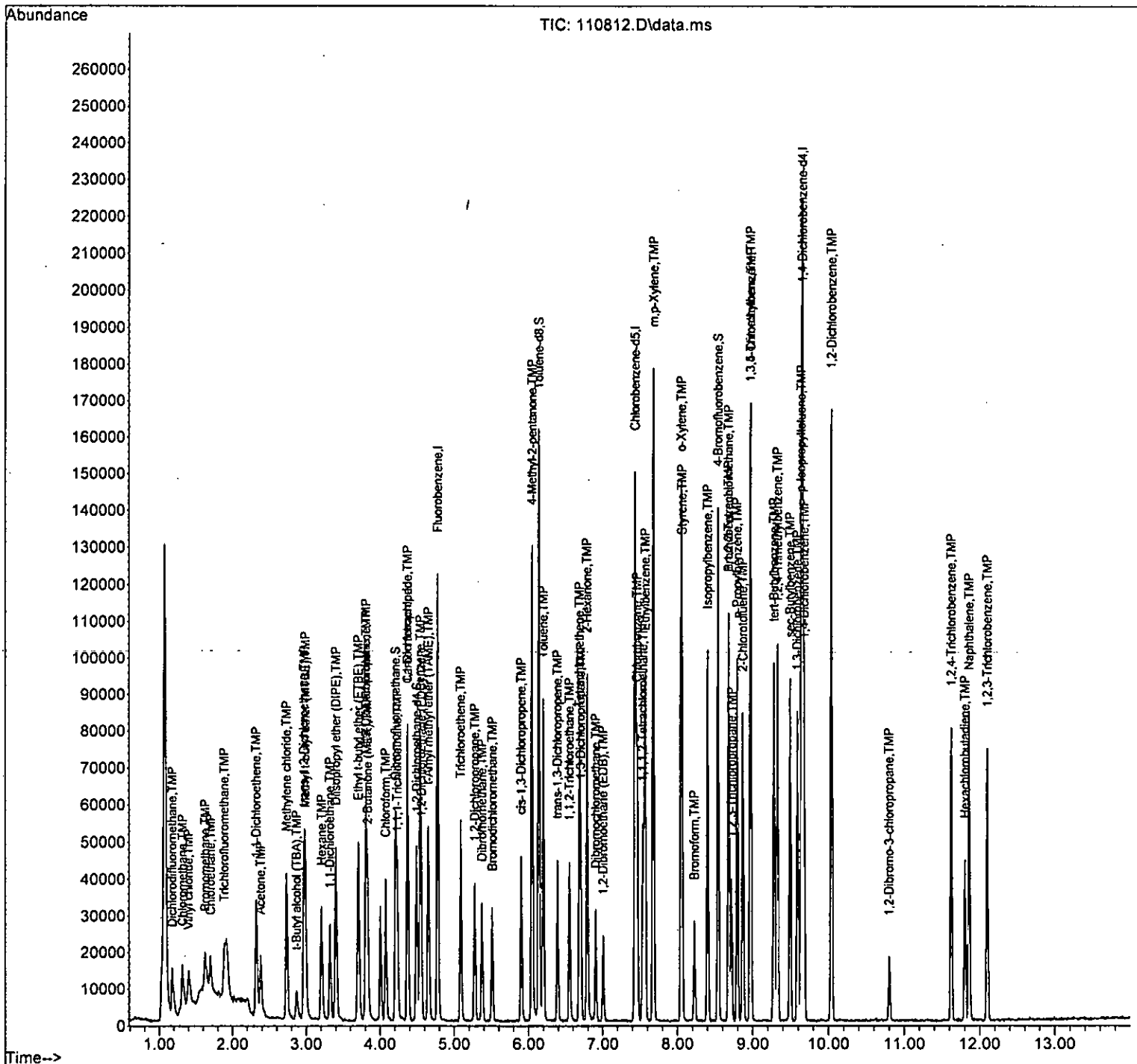
Quant Time: Nov 08 16:47:37 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	6.05	85	14452	21.006	ppb	# 75
38) cis-1,3-Dichloropropene	5.90	75	19303	4.279	ppb	92
40) Toluene	6.20	92	30432	4.180	ppb	99
41) trans-1,3-Dichloropropene	6.39	75	17675	4.250	ppb	93
42) 1,1,2-Trichloroethane	6.55	83	9494	4.306	ppb	95
43) 2-Hexanone	6.79	43	51977	21.563	ppb	97
44) 1,3-Dichloropropane	6.70	76	17651	4.188	ppb	96
45) Tetrachloroethene	6.69	164	13894	4.287	ppb	96
46) Dibromochloromethane	6.91	129	13195	4.197	ppb	99
47) 1,2-Dibromoethane (EDB)	7.00	107	12577	4.199	ppb	94
48) Chlorobenzene	7.46	112	36358	4.210	ppb	90
49) Ethylbenzene	7.57	91	58382	4.206	ppb	97
50) 1,1,1,2-Tetrachloroethane	7.54	131	13142	4.105	ppb	94
51) m,p-Xylene	7.68	106	47127	8.398	ppb	90
52) o-Xylene	8.05	106	23267	4.173	ppb	# 80
53) Styrene	8.06	104	40867	4.318	ppb	86
54) Isopropylbenzene	8.40	105	59440	4.207	ppb	93
55) Bromoform	8.22	173	11253	4.414	ppb	99
58) n-Propylbenzene	8.79	91	65339	4.155	ppb	92
59) Bromobenzene	8.68	156	19726	4.335	ppb	# 79
60) 1,3,5-Trimethylbenzene	8.97	105	48841	4.208	ppb	86
61) 1,1,2,2-Tetrachloroethane	8.68	83	17296	4.319	ppb	96
62) 1,2,3-Trichloropropane	8.72	75	13108	4.322	ppb	100
63) 2-Chlorotoluene	8.87	91	40504	4.314	ppb	90
64) 4-Chlorotoluene	8.97	91	47025	4.201	ppb	87
65) tert-Butylbenzene	9.28	119	43398	4.235	ppb	84
66) 1,2,4-Trimethylbenzene	9.33	105	50700	4.194	ppb	93
67) sec-Butylbenzene	9.49	105	58002	4.216	ppb	94
68) p-Isopropyltoluene	9.64	119	52174	4.158	ppb	92
69) 1,3-Dichlorobenzene	9.59	146	34132	4.230	ppb	97
70) 1,4-Dichlorobenzene	9.68	146	35305	4.241	ppb	95
71) 1,2-Dichlorobenzene	10.04	146	33023	4.167	ppb	94
72) 1,2-Dibromo-3-chloropr...	10.80	75	3463	4.171	ppb	# 66
73) 1,2,4-Trichlorobenzene	11.62	180	25476	4.272	ppb	96
74) Hexachlorobutadiene	11.81	225	10392	4.521	ppb	99
75) Naphthalene	11.86	128	63005	4.289	ppb	98
76) 1,2,3-Trichlorobenzene	12.10	180	24074	4.265	ppb	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110812.D
 Acq On : 8 Nov 2022 1:42 pm
 Operator : LM
 Sample : 5 ppb 8260 ICAL 67-177M
 Misc : soil/water
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:37 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110813.D
 Acq On : 8 Nov 2022 2:06 pm
 Operator : LM
 Sample : 10 ppb 8260 ICAL 67-177N
 Misc : soil/water
 ALS Vial : 11 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:39 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I Fluorobenzene	10.000	10.000	0.0	100	0.00
2 TMP Ethanol	-1.000	0.000	0.0	100	0.00
3 S Dibromofluoromethane	10.000	10.244	-2.4	100	0.00
4 TMP Dichlorodifluoromethane	10.000	10.917	-9.2	100	0.00
5 TMP Chloromethane	10.000	10.568	-5.7	100	0.00
6 TMP Vinyl chloride	10.000	10.876	-8.8	100	0.00
7 TMP Bromomethane	10.000	10.393	-3.9	100	0.00
8 TMP Chloroethane	10.000	10.105	-1.1	100	0.00
9 TMP Trichlorofluoromethane	10.000	10.225	-2.2	100	0.00
10 TMP 2-Propanol	-1.000	0.000	0.0	0	0.00
11 TMP Acetone	50.000	62.187	-24.4#	100	0.00
12 TMP 1,1-Dichloroethene	10.000	9.740	2.6	100	0.00
13 TMP Hexane	10.000	9.810	1.9	100	0.00
14 TMP Methylene chloride	10.000	10.387	-3.9	100	0.00
15 TMP t-Butyl alcohol (TBA)	50.000	50.639	-1.3	100	0.00
16 TMP Methyl t-butyl ether (MTBE)	10.000	10.190	-1.9	100	0.00
17 TMP trans-1,2-Dichloroethene	10.000	9.834	1.7	100	0.00
18 TMP Diisopropyl ether (DIPE)	10.000	9.819	1.8	100	0.00
19 TMP 1,1-Dichloroethane	10.000	9.982	0.2	100	0.00
20 TMP Ethyl t-butyl ether (ETBE)	10.000	10.119	-1.2	100	0.00
21 TMP 2,2-Dichloropropane	10.000	10.365	-3.7	100	0.00
22 TMP cis-1,2-Dichloroethene	10.000	9.679	3.2	100	0.00
23 TMP Chloroform	10.000	10.137	-1.4	100	0.00
24 TMP 2-Butanone (MEK)	50.000	46.516	7.0	100	0.00
25 TMP t-Amyl methyl ether (TAME)	10.000	10.117	-1.2	100	0.00
26 TMP 1,2-Dichloroethane (EDC)	10.000	9.898	1.0	100	0.00
27 TMP 1,1,1-Trichloroethane	10.000	9.992	0.1	100	0.00
28 TMP 1,1-Dichloropropene	10.000	9.771	2.3	100	0.00
29 TMP Carbon tetrachloride	10.000	9.838	1.6	100	0.00
30 S 1,2-Dichloroethane-d4	10.000	10.078	-0.8	100	0.00
31 TMP Benzene	10.000	9.786	2.1	100	0.00
32 TMP Trichloroethene	10.000	9.563	4.4	100	0.00
33 TMP 1,2-Dichloropropane	10.000	10.157	-1.6	100	0.00
34 TMP Bromodichloromethane	10.000	9.710	2.9	100	0.00
35 S Toluene-d8	10.000	10.073	-0.7	100	0.00
36 TMP Dibromomethane	10.000	10.126	-1.3	100	0.00
37 TMP 4-Methyl-2-pentanone	50.000	48.997	2.0	100	0.00
38 TMP cis-1,3-Dichloropropene	10.000	9.965	0.4	100	0.00
39 I Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40 TMP Toluene	10.000	9.729	2.7	100	0.00
41 TMP trans-1,3-Dichloropropene	10.000	9.881	1.2	100	0.00
42 TMP 1,1,2-Trichloroethane	10.000	9.782	2.2	100	0.00
43 TMP 2-Hexanone	50.000	49.416	1.2	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110813.D
 Acq On : 8 Nov 2022 2:06 pm
 Operator : LM
 Sample : 10 ppb 8260 ICAL 67-177N
 Misc : soil/water
 ALS Vial : 11 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:39 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	10.000	9.873	1.3	100	0.00
45 TMP Tetrachloroethene	10.000	9.733	2.7	100	0.00
46 TMP Dibromochloromethane	10.000	10.084	-0.8	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	10.000	9.981	0.2	100	0.00
48 TMP Chlorobenzene	10.000	9.963	0.4	100	0.00
49 TMP Ethylbenzene	10.000	9.813	1.9	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	10.000	10.002	-0.0	100	0.00
51 TMP m,p-Xylene	20.000	19.591	2.0	100	0.00
52 TMP o-Xylene	10.000	9.819	1.8	100	0.00
53 TMP Styrene	10.000	10.046	-0.5	100	0.00
54 TMP Isopropylbenzene	10.000	9.843	1.6	100	0.00
55 TMP Bromoform	10.000	10.514	-5.1	100	0.00
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	10.000	10.006	-0.1	100	0.00
58 TMP n-Propylbenzene	10.000	9.765	2.3	100	0.00
59 TMP Bromobenzene	10.000	10.060	-0.6	100	0.00
60 TMP 1,3,5-Trimethylbenzene	10.000	9.726	2.7	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	10.000	10.067	-0.7	100	0.00
62 TMP 1,2,3-Trichloropropane	10.000	10.197	-2.0	100	0.00
63 TMP 2-Chlorotoluene	10.000	9.813	1.9	100	0.00
64 TMP 4-Chlorotoluene	10.000	9.793	2.1	100	0.00
65 TMP tert-Butylbenzene	10.000	9.865	1.3	100	0.00
66 TMP 1,2,4-Trimethylbenzene	10.000	9.698	3.0	100	0.00
67 TMP sec-Butylbenzene	10.000	9.778	2.2	100	0.00
68 TMP p-Isopropyltoluene	10.000	9.727	2.7	100	0.00
69 TMP 1,3-Dichlorobenzene	10.000	9.944	0.6	100	0.00
70 TMP 1,4-Dichlorobenzene	10.000	9.824	1.8	100	0.00
71 TMP 1,2-Dichlorobenzene	10.000	9.861	1.4	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	10.000	10.119	-1.2	100	0.00
73 TMP 1,2,4-Trichlorobenzene	10.000	9.826	1.7	100	0.00
74 TMP Hexachlorobutadiene	10.000	9.518	4.8	100	0.00
75 TMP Naphthalene	10.000	10.019	-0.2	100	0.00
76 TMP 1,2,3-Trichlorobenzene	10.000	10.024	-0.2	100	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110813.D
 Acq On : 8 Nov 2022 2:06 pm
 Operator : LM
 Sample : 10 ppb 8260 ICAL 67-177N
 Misc : soil/water
 ALS Vial : 11 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:39 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I Fluorobenzene	1.000	1.000	0.0	100	0.00
2 TMP Ethanol	0.000	0.000#	0.0	100	0.00
3 S Dibromofluoromethane	0.275	0.282	-2.5	100	0.00
4 TMP Dichlorodifluoromethane	0.410	0.447	-9.0	100	0.00
5 TMP Chloromethane	0.380	0.401	-5.5	100	0.00
6 TMP Vinyl chloride	0.360	0.392	-8.9	100	0.00
7 TMP Bromomethane	0.168	0.174	-3.6	100	0.00
8 TMP Chloroethane	0.189	0.191	-1.1	100	0.00
9 TMP Trichlorofluoromethane	0.562	0.574	-2.1	100	0.00
10 TMP 2-Propanol	0.000	0.000	0.0	0#	0.00
11 TMP Acetone	0.037	0.033	10.8	100	0.00
12 TMP 1,1-Dichloroethene	0.333	0.325	2.4	100	0.00
13 TMP Hexane	0.348	0.342	1.7	100	0.00
14 TMP Methylene chloride	0.369	0.375	-1.6	100	0.00
15 TMP t-Butyl alcohol (TBA)	0.051	0.052	-2.0	100	0.00
16 TMP Methyl t-butyl ether (MTBE)	0.971	0.990	-2.0	100	0.00
17 TMP trans-1,2-Dichloroethene	0.353	0.347	1.7	100	0.00
18 TMP Diisopropyl ether (DIPE)	0.889	0.872	1.9	100	0.00
19 TMP 1,1-Dichloroethane	0.536	0.535	0.2	100	0.00
20 TMP Ethyl t-butyl ether (ETBE)	0.425	0.430	-1.2	100	0.00
21 TMP 2,2-Dichloropropane	0.352	0.358	-1.7	100	0.00
22 TMP cis-1,2-Dichloroethene	0.382	0.370	3.1	100	0.00
23 TMP Chloroform	0.583	0.589	-1.0	100	0.00
24 TMP 2-Butanone (MEK)	0.186	0.173	7.0	100	0.00
25 TMP t-Amyl methyl ether (TAME)	0.964	0.975	-1.1	100	0.00
26 TMP 1,2-Dichloroethane (EDC)	0.438	0.434	0.9	100	0.00
27 TMP 1,1,1-Trichloroethane	0.532	0.532	0.0	100	0.00
28 TMP 1,1-Dichloropropene	0.448	0.438	2.2	100	0.00
29 TMP Carbon tetrachloride	0.479	0.471	1.7	100	0.00
30 S 1,2-Dichloroethane-d4	0.063	0.064	-1.6	100	0.00
31 TMP Benzene	1.286	1.258	2.2	100	0.00
32 TMP Trichloroethene	0.373	0.357	4.3	100	0.00
33 TMP 1,2-Dichloropropane	0.284	0.289	-1.8	100	0.00
34 TMP Bromodichloromethane	0.432	0.419	3.0	100	0.00
35 S Toluene-d8	1.002	1.009	-0.7	100	0.00
36 TMP Dibromomethane	0.216	0.218	-0.9	100	0.00
37 TMP 4-Methyl-2-pentanone	0.077	0.075	2.6	100	0.00
38 TMP cis-1,3-Dichloropropene	0.504	0.502	0.4	100	0.00
39 I Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40 TMP Toluene	0.968	0.942	2.7	100	0.00
41 TMP trans-1,3-Dichloropropene	0.553	0.546	1.3	100	0.00
42 TMP 1,1,2-Trichloroethane	0.293	0.287	2.0	100	0.00
43 TMP 2-Hexanone	0.320	0.317	0.9	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110813.D
 Acq On : 8 Nov 2022 2:06 pm
 Operator : LM
 Sample : 10 ppb 8260 ICAL 67-177N
 Misc : soil/water
 ALS Vial : 11 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:39 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.560	0.553	1.3	100	0.00
45 TMP Tetrachloroethene	0.431	0.419	2.8	100	0.00
46 TMP Dibromochloromethane	0.429	0.425	0.9	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	0.398	0.397	0.3	100	0.00
48 TMP Chlorobenzene	1.148	1.144	0.3	100	0.00
49 TMP Ethylbenzene	1.845	1.811	1.8	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.426	0.426	0.0	100	0.00
51 TMP m,p-Xylene	0.746	0.731	2.0	100	0.00
52 TMP o-Xylene	0.741	0.728	1.8	100	0.00
53 TMP Styrene	1.258	1.264	-0.5	100	0.00
54 TMP Isopropylbenzene	1.878	1.849	1.5	100	0.00
55 TMP Bromoform	0.362	0.360	0.6	100	0.00
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	0.701	0.702	-0.1	100	0.00
58 TMP n-Propylbenzene	3.165	3.091	2.3	100	0.00
59 TMP Bromobenzene	0.916	0.921	-0.5	100	0.00
60 TMP 1,3,5-Trimethylbenzene	2.336	2.272	2.7	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.806	0.812	-0.7	100	0.00
62 TMP 1,2,3-Trichloropropane	0.610	0.622	-2.0	100	0.00
63 TMP 2-Chlorotoluene	1.890	1.854	1.9	100	0.00
64 TMP 4-Chlorotoluene	2.253	2.206	2.1	100	0.00
65 TMP tert-Butylbenzene	2.062	2.035	1.3	100	0.00
66 TMP 1,2,4-Trimethylbenzene	2.433	2.360	3.0	100	0.00
67 TMP sec-Butylbenzene	2.769	2.707	2.2	100	0.00
68 TMP p-Isopropyltoluene	2.526	2.457	2.7	100	0.00
69 TMP 1,3-Dichlorobenzene	1.624	1.615	0.6	100	0.00
70 TMP 1,4-Dichlorobenzene	1.675	1.646	1.7	100	0.00
71 TMP 1,2-Dichlorobenzene	1.595	1.573	1.4	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	0.167	0.169	-1.2	100	0.00
73 TMP 1,2,4-Trichlorobenzene	1.200	1.179	1.7	100	0.00
74 TMP Hexachlorobutadiene	0.463	0.440	5.0	100	0.00
75 TMP Naphthalene	2.957	2.962	-0.2	100	0.00
76 TMP 1,2,3-Trichlorobenzene	1.136	1.139	-0.3	100	0.00

(#) = Out of Range

SPCC's out = 1 CCC's out = 0

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110813.D
 Acq On : 8 Nov 2022 2:06 pm
 Operator : LM
 Sample : 10 ppb 8260 ICAL 67-177N
 Misc : soil/water
 ALS Vial : 11 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:39 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	4.78	96	86139	10.000	ppb	0.00
39) Chlorobenzene-d5	7.43	117	72870	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.65	152	48476	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.21	113	24257	10.244	ppb	0.00
Spiked Amount	10.000	Range	0 - 1000	Recovery	=	102.40%
30) 1,2-Dichloroethane-d4	4.49	102	5512	10.078	ppb	0.00
Spiked Amount	10.000	Range	90 - 109	Recovery	=	100.80%
35) Toluene-d8	6.14	98	86923	10.073	ppb	0.00
Spiked Amount	10.000	Range	89 - 112	Recovery	=	100.70%
57) 4-Bromofluorobenzene	8.54	95	34015	10.006	ppb	0.00
Spiked Amount	10.000	Range	84 - 115	Recovery	=	100.10%
Target Compounds						
						Qvalue
2) Ethanol	1.07	45	3675	No Calib		
4) Dichlorodifluoromethane	1.17	85	38520	10.917	ppb	93
5) Chloromethane	1.31	50	34573	10.568	ppb	98
6) Vinyl chloride	1.40	62	33754	10.876	ppb	99
7) Bromomethane	1.62	94	14997	10.393	ppb	96
8) Chloroethane	1.70	64	16446	10.105	ppb	96
9) Trichlorofluoromethane	1.89	101	49471	10.225	ppb	97
10) 2-Propanol	2.99	45	4187	No Calib		
11) Acetone	2.38	58	14269	62.187	ppb	# 85
12) 1,1-Dichloroethene	2.32	96	27970	9.740	ppb	# 80
13) Hexane	3.21	57	29450	9.810	ppb	95
14) Methylene chloride	2.73	84	32340	10.387	ppb	87
15) t-Butyl alcohol (TBA)	2.87	59	22349	50.639	ppb	91
16) Methyl t-butyl ether (...)	2.99	73	85266	10.190	ppb	98
17) trans-1,2-Dichloroethene	2.97	96	29891	9.834	ppb	82
18) Diisopropyl ether (DIPE)	3.40	45	75154	9.819	ppb	92
19) 1,1-Dichloroethane	3.32	63	46066	9.982	ppb	98
20) Ethyl t-butyl ether (E...)	3.70	87	37042	10.119	ppb	84
21) 2,2-Dichloropropane	3.81	77	30831	10.365	ppb	98
22) cis-1,2-Dichloroethene	3.81	96	31848	9.679	ppb	83
23) Chloroform	4.08	83	50696	10.137	ppb	98
24) 2-Butanone (MEK)	3.83	43	74567	46.516	ppb	93
25) t-Amyl methyl ether (T...)	4.65	73	83979	10.117	ppb	99
26) 1,2-Dichloroethane (EDC)	4.55	62	37360	9.898	ppb	96
27) 1,1,1-Trichloroethane	4.23	97	45822	9.992	ppb	94
28) 1,1-Dichloropropene	4.37	75	37718	9.771	ppb	89
29) Carbon tetrachloride	4.37	117	40614	9.838	ppb	93
31) Benzene	4.54	78	108371	9.786	ppb	95
32) Trichloroethene	5.09	95	30717	9.563	ppb	79
33) 1,2-Dichloropropane	5.28	63	24884	10.157	ppb	92
34) Bromodichloromethane	5.51	83	36106	9.710	ppb	97
36) Dibromomethane	5.37	93	18816	10.126	ppb	84

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110813.D
 Acq On : 8 Nov 2022 2:06 pm
 Operator : LM
 Sample : 10 ppb 8260 ICAL 67-177N
 Misc : soil/water
 ALS Vial : 11 Sample Multiplier: 1
 InstName : GCMS4

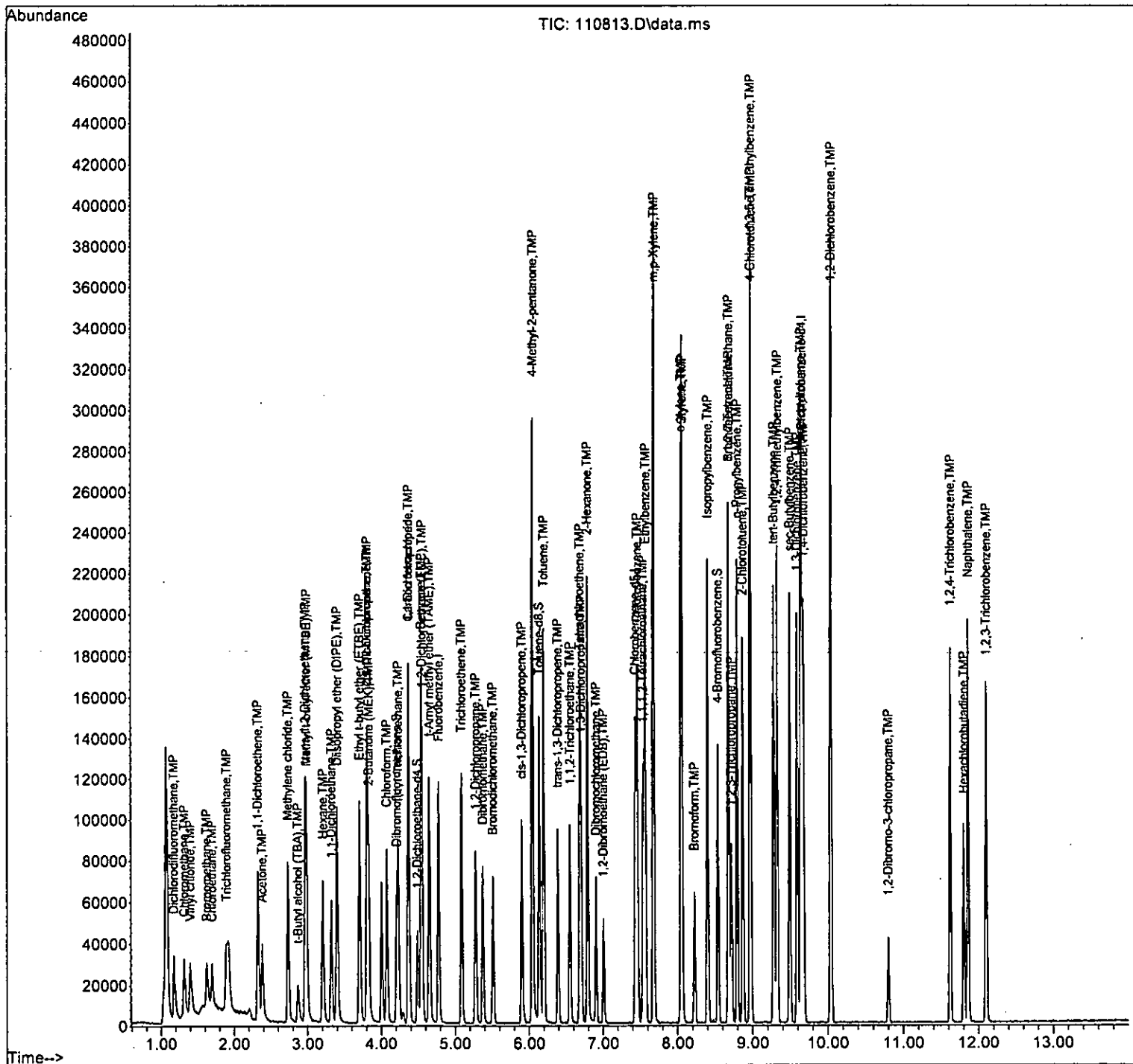
Quant Time: Nov 08 16:47:39 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	6.05	85	32453	48.997	ppb #	76
38) cis-1,3-Dichloropropene	5.90	75	43280	9.965	ppb	94
40) Toluene	6.20	92	68608	9.729	ppb	97
41) trans-1,3-Dichloropropene	6.39	75	39809	9.881	ppb	96
42) 1,1,2-Trichloroethane	6.56	83	20892	9.782	ppb	90
43) 2-Hexanone	6.79	43	115386	49.416	ppb	97
44) 1,3-Dichloropropane	6.70	76	40305	9.873	ppb	98
45) Tetrachloroethene	6.69	164	30558	9.733	ppb	98
46) Dibromochloromethane	6.91	129	30998	10.084	ppb	98
47) 1,2-Dibromoethane (EDB)	7.00	107	28961	9.981	ppb	93
48) Chlorobenzene	7.46	112	83349	9.963	ppb	87
49) Ethylbenzene	7.57	91	131940	9.813	ppb	92
50) 1,1,1,2-Tetrachloroethane	7.54	131	31017	10.002	ppb	96
51) m,p-Xylene	7.68	106	106488	19.591	ppb	86
52) o-Xylene	8.05	106	53035	9.819	ppb	87
53) Styrene	8.06	104	92093	10.046	ppb	86
54) Isopropylbenzene	8.40	105	134703	9.843	ppb	94
55) Bromoform	8.22	173	26242	10.514	ppb	98
58) n-Propylbenzene	8.79	91	149824	9.765	ppb	92
59) Bromobenzene	8.68	156	44663	10.060	ppb #	81
60) 1,3,5-Trimethylbenzene	8.97	105	110148	9.726	ppb	84
61) 1,1,2,2-Tetrachloroethane	8.68	83	39339	10.067	ppb	99
62) 1,2,3-Trichloropropane	8.72	75	30176	10.197	ppb	98
63) 2-Chlorotoluene	8.87	91	89886	9.813	ppb	88
64) 4-Chlorotoluene	8.97	91	106962	9.793	ppb	88
65) tert-Butylbenzene	9.28	119	98631	9.865	ppb	84
66) 1,2,4-Trimethylbenzene	9.33	105	114387	9.698	ppb	89
67) sec-Butylbenzene	9.49	105	131242	9.778	ppb	91
68) p-Isopropyltoluene	9.64	119	119083	9.727	ppb	92
69) 1,3-Dichlorobenzene	9.59	146	78288	9.944	ppb	96
70) 1,4-Dichlorobenzene	9.68	146	79781	9.824	ppb	96
71) 1,2-Dichlorobenzene	10.04	146	76245	9.861	ppb	94
72) 1,2-Dibromo-3-chloropr...	10.80	75	8198	10.119	ppb #	72
73) 1,2,4-Trichlorobenzene	11.62	180	57175	9.826	ppb	98
74) Hexachlorobutadiene	11.81	225	21349	9.518	ppb	98
75) Naphthalene	11.86	128	143609	10.019	ppb	99
76) 1,2,3-Trichlorobenzene	12.10	180	55201	10.024	ppb	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110813.D
 Acq On : 8 Nov 2022 2:06 pm
 Operator : LM
 Sample : 10 ppb 8260 ICAL 67-177N
 Misc : soil/water
 ALS Vial : 11 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:39 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110814.D
 Acq On : 8 Nov 2022 2:30 pm
 Operator : LM
 Sample : 20 ppb 8260 ICAL 67-1770
 Misc : soil/water
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:41 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I Fluorobenzene	10.000	10.000	0.0	100	0.00
2 TMP Ethanol	-1.000	0.000	0.0	100	0.00
3 S Dibromofluoromethane	10.000	10.076	-0.8	100	0.00
4 TMP Dichlorodifluoromethane	20.000	20.024	-0.1	100	0.00
5 TMP Chloromethane	20.000	18.863	5.7	100	0.00
6 TMP Vinyl chloride	20.000	19.553	2.2	100	0.00
7 TMP Bromomethane	20.000	16.930	15.4	100	0.00
8 TMP Chloroethane	20.000	18.005	10.0	100	0.00
9 TMP Trichlorofluoromethane	20.000	18.677	6.6	100	0.00
10 TMP 2-Propanol	-1.000	0.000	0.0	0	0.00
11 TMP Acetone	100.000	111.742	-11.7	100	0.00
12 TMP 1,1-Dichloroethene	20.000	18.213	8.9	100	0.00
13 TMP Hexane	20.000	17.939	10.3	100	0.00
14 TMP Methylene chloride	20.000	19.138	4.3	100	0.00
15 TMP t-Butyl alcohol (TBA)	100.000	95.296	4.7	100	0.00
16 TMP Methyl t-butyl ether (MTBE)	20.000	18.777	6.1	100	0.00
17 TMP trans-1,2-Dichloroethene	20.000	17.979	10.1	100	0.00
18 TMP Diisopropyl ether (DIPE)	20.000	18.490	7.6	100	0.00
19 TMP 1,1-Dichloroethane	20.000	18.418	7.9	100	0.00
20 TMP Ethyl t-butyl ether (ETBE)	20.000	18.693	6.5	100	0.00
21 TMP 2,2-Dichloropropane	20.000	18.940	5.3	100	0.00
22 TMP cis-1,2-Dichloroethene	20.000	18.186	9.1	100	0.00
23 TMP Chloroform	20.000	18.801	6.0	100	0.00
24 TMP 2-Butanone (MEK)	100.000	86.692	13.3	100	0.00
25 TMP t-Amyl methyl ether (TAME)	20.000	18.668	6.7	100	0.00
26 TMP 1,2-Dichloroethane (EDC)	20.000	18.548	7.3	100	0.00
27 TMP 1,1,1-Trichloroethane	20.000	18.613	6.9	100	0.00
28 TMP 1,1-Dichloropropane	20.000	18.098	9.5	100	0.00
29 TMP Carbon tetrachloride	20.000	18.618	6.9	100	0.00
30 S 1,2-Dichloroethane-d4	10.000	9.995	0.1	100	0.00
31 TMP Benzene	20.000	18.023	9.9	100	0.00
32 TMP Trichloroethene	20.000	17.406	13.0	100	0.00
33 TMP 1,2-Dichloropropane	20.000	18.813	5.9	100	0.00
34 TMP Bromodichloromethane	20.000	18.236	8.8	100	0.00
35 S Toluene-d8	10.000	10.028	-0.3	100	0.00
36 TMP Dibromomethane	20.000	18.806	6.0	100	0.00
37 TMP 4-Methyl-2-pentanone	100.000	92.699	7.3	100	0.00
38 TMP cis-1,3-Dichloropropene	20.000	18.470	7.7	100	0.00
39 I Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40 TMP Toluene	20.000	18.694	6.5	100	0.00
41 TMP trans-1,3-Dichloropropene	20.000	18.791	6.0	100	0.00
42 TMP 1,1,2-Trichloroethane	20.000	18.407	8.0	100	0.00
43 TMP 2-Hexanone	100.000	92.398	7.6	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110814.D
 Acq On : 8 Nov 2022 2:30 pm
 Operator : LM
 Sample : 20 ppb 8260 ICAL 67-1770
 Misc : soil/water
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:41 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP 1,3-Dichloropropane	20.000	18.711	6.4	100	0.00
45	TMP Tetrachloroethene	20.000	18.689	6.6	100	0.00
46	TMP Dibromochloromethane	20.000	19.445	2.8	100	0.00
47	TMP 1,2-Dibromoethane (EDB)	20.000	18.998	5.0	100	0.00
48	TMP Chlorobenzene	20.000	18.540	7.3	100	0.00
49	TMP Ethylbenzene	20.000	18.370	8.1	100	0.00
50	TMP 1,1,1,2-Tetrachloroethane	20.000	18.909	5.5	100	0.00
51	TMP m,p-Xylene	40.000	37.140	7.1	100	0.00
52	TMP o-Xylene	20.000	18.327	8.4	100	0.00
53	TMP Styrene	20.000	18.638	6.8	100	0.00
54	TMP Isopropylbenzene	20.000	18.293	8.5	100	0.00
55	TMP Bromoform	20.000	19.991	0.0	100	0.00
56	I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S 4-Bromofluorobenzene	10.000	9.932	0.7	100	0.00
58	TMP n-Propylbenzene	20.000	18.187	9.1	100	0.00
59	TMP Bromobenzene	20.000	18.540	7.3	100	0.00
60	TMP 1,3,5-Trimethylbenzene	20.000	18.399	8.0	100	0.00
61	TMP 1,1,2,2-Tetrachloroethane	20.000	18.718	6.4	100	0.00
62	TMP 1,2,3-Trichloropropane	20.000	18.463	7.7	100	0.00
63	TMP 2-Chlorotoluene	20.000	18.286	8.6	100	0.00
64	TMP 4-Chlorotoluene	20.000	17.953	10.2	100	0.00
65	TMP tert-Butylbenzene	20.000	18.417	7.9	100	0.00
66	TMP 1,2,4-Trimethylbenzene	20.000	18.090	9.6	100	0.00
67	TMP sec-Butylbenzene	20.000	18.326	8.4	100	0.00
68	TMP p-Isopropyltoluene	20.000	18.149	9.3	100	0.00
69	TMP 1,3-Dichlorobenzene	20.000	18.333	8.3	100	0.00
70	TMP 1,4-Dichlorobenzene	20.000	18.150	9.3	100	0.00
71	TMP 1,2-Dichlorobenzene	20.000	18.378	8.1	100	0.00
72	TMP 1,2-Dibromo-3-chloropropane	20.000	18.768	6.2	100	0.00
73	TMP 1,2,4-Trichlorobenzene	20.000	18.709	6.5	100	0.00
74	TMP Hexachlorobutadiene	20.000	18.763	6.2	100	0.00
75	TMP Naphthalene	20.000	18.970	5.2	100	0.00
76	TMP 1,2,3-Trichlorobenzene	20.000	18.735	6.3	100	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110814.D
 Acq On : 8 Nov 2022 2:30 pm
 Operator : LM
 Sample : 20 ppb 8260 ICAL 67-1770
 Misc : soil/water
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:41 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I Fluorobenzene	1.000	1.000	0.0	100	0.00
2 TMP Ethanol	0.000	0.000#	0.0	100	0.00
3 S Dibromofluoromethane	0.275	0.277	-0.7	100	0.00
4 TMP Dichlorodifluoromethane	0.410	0.410	0.0	100	0.00
5 TMP Chloromethane	0.380	0.358	5.8	100	0.00
6 TMP Vinyl chloride	0.360	0.352	2.2	100	0.00
7 TMP Bromomethane	0.168	0.142	15.5	100	0.00
8 TMP Chloroethane	0.189	0.170	10.1	100	0.00
9 TMP Trichlorofluoromethane	0.562	0.525	6.6	100	0.00
10 TMP 2-Propanol	0.000	0.000	0.0	0#	0.00
11 TMP Acetone	0.037	0.030	18.9	100	0.00
12 TMP 1,1-Dichloroethene	0.333	0.304	8.7	100	0.00
13 TMP Hexane	0.348	0.313	10.1	100	0.00
14 TMP Methylene chloride	0.369	0.325	11.9	100	0.00
15 TMP t-Butyl alcohol (TBA)	0.051	0.049	3.9	100	0.00
16 TMP Methyl t-butyl ether (MTBE)	0.971	0.912	6.1	100	0.00
17 TMP trans-1,2-Dichloroethene	0.353	0.317	10.2	100	0.00
18 TMP Diisopropyl ether (DIPE)	0.889	0.821	7.6	100	0.00
19 TMP 1,1-Dichloroethane	0.536	0.493	8.0	100	0.00
20 TMP Ethyl t-butyl ether (ETBE)	0.425	0.397	6.6	100	0.00
21 TMP 2,2-Dichloropropane	0.352	0.323	8.2	100	0.00
22 TMP cis-1,2-Dichloroethene	0.382	0.347	9.2	100	0.00
23 TMP Chloroform	0.583	0.545	6.5	100	0.00
24 TMP 2-Butanone (MEK)	0.186	0.161	13.4	100	0.00
25 TMP t-Amyl methyl ether (TAME)	0.964	0.899	6.7	100	0.00
26 TMP 1,2-Dichloroethane (EDC)	0.438	0.406	7.3	100	0.00
27 TMP 1,1,1-Trichloroethane	0.532	0.495	7.0	100	0.00
28 TMP 1,1-Dichloropropene	0.448	0.406	9.4	100	0.00
29 TMP Carbon tetrachloride	0.479	0.446	6.9	100	0.00
30 S 1,2-Dichloroethane-d4	0.063	0.063	0.0	100	0.00
31 TMP Benzene	1.286	1.159	9.9	100	0.00
32 TMP Trichloroethene	0.373	0.325	12.9	100	0.00
33 TMP 1,2-Dichloropropane	0.284	0.268	5.6	100	0.00
34 TMP Bromodichloromethane	0.432	0.394	8.8	100	0.00
35 S Toluene-d8	1.002	1.005	-0.3	100	0.00
36 TMP Dibromomethane	0.216	0.203	6.0	100	0.00
37 TMP 4-Methyl-2-pentanone	0.077	0.071	7.8	100	0.00
38 TMP cis-1,3-Dichloropropene	0.504	0.466	7.5	100	0.00
39 I Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40 TMP Toluene	0.968	0.905	6.5	100	0.00
41 TMP trans-1,3-Dichloropropene	0.553	0.519	6.1	100	0.00
42 TMP 1,1,2-Trichloroethane	0.293	0.270	7.8	100	0.00
43 TMP 2-Hexanone	0.320	0.296	7.5	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110814.D
 Acq On : 8 Nov 2022 2:30 pm
 Operator : LM
 Sample : 20 ppb 8260 ICAL 67-1770
 Misc : soil/water
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:41 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.560	0.524	6.4	100	0.00
45 TMP Tetrachloroethene	0.431	0.403	6.5	100	0.00
46 TMP Dibromochloromethane	0.429	0.414	3.5	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	0.398	0.378	5.0	100	0.00
48 TMP Chlorobenzene	1.148	1.064	7.3	100	0.00
49 TMP Ethylbenzene	1.845	1.695	8.1	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.426	0.402	5.6	100	0.00
51 TMP m,p-Xylene	0.746	0.693	7.1	100	0.00
52 TMP o-Xylene	0.741	0.679	8.4	100	0.00
53 TMP Styrene	1.258	1.172	6.8	100	0.00
54 TMP Isopropylbenzene	1.878	1.718	8.5	100	0.00
55 TMP Bromoform	0.362	0.348	3.9	100	0.00
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	0.701	0.697	0.6	100	0.00
58 TMP n-Propylbenzene	3.165	2.878	9.1	100	0.00
59 TMP Bromobenzene	0.916	0.849	7.3	100	0.00
60 TMP 1,3,5-Trimethylbenzene	2.336	2.149	8.0	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.806	0.754	6.5	100	0.00
62 TMP 1,2,3-Trichloropropane	0.610	0.564	7.5	100	0.00
63 TMP 2-Chlorotoluene	1.890	1.728	8.6	100	0.00
64 TMP 4-Chlorotoluene	2.253	2.023	10.2	100	0.00
65 TMP tert-Butylbenzene	2.062	1.899	7.9	100	0.00
66 TMP 1,2,4-Trimethylbenzene	2.433	2.201	9.5	100	0.00
67 TMP sec-Butylbenzene	2.769	2.537	8.4	100	0.00
68 TMP p-Isopropyltoluene	2.526	2.292	9.3	100	0.00
69 TMP 1,3-Dichlorobenzene	1.624	1.489	8.3	100	0.00
70 TMP 1,4-Dichlorobenzene	1.675	1.520	9.3	100	0.00
71 TMP 1,2-Dichlorobenzene	1.595	1.466	8.1	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	0.167	0.157	6.0	100	0.00
73 TMP 1,2,4-Trichlorobenzene	1.200	1.123	6.4	100	0.00
74 TMP Hexachlorobutadiene	0.463	0.434	6.3	100	0.00
75 TMP Naphthalene	2.957	2.804	5.2	100	0.00
76 TMP 1,2,3-Trichlorobenzene	1.136	1.064	6.3	100	0.00

(#) = Out of Range

SPCC's out = 1 CCC's out = 0

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110814.D
 Acq On : 8 Nov 2022 2:30 pm
 Operator : LM
 Sample : 20 ppb 8260 ICAL 67-1770
 Misc : soil/water
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:41 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	4.78	96	89724	10.000	ppb	0.00	
39) Chlorobenzene-d5	7.44	117	75215	10.000	ppb	0.00	
56) 1,4-Dichlorobenzene-d4	9.66	152	49913	10.000	ppb	0.00	
System Monitoring Compounds							
3) Dibromofluoromethane	4.21	113	24852	10.076	ppb	0.00	
Spiked Amount	10.000	Range	0 - 1000	Recovery	=	100.80%	
30) 1,2-Dichloroethane-d4	4.49	102	5694	9.995	ppb	0.00	
Spiked Amount	10.000	Range	90 - 109	Recovery	=	100.00%	
35) Toluene-d8	6.14	98	90130	10.028	ppb	0.00	
Spiked Amount	10.000	Range	89 - 112	Recovery	=	100.30%	
57) 4-Bromofluorobenzene	8.54	95	34766	9.932	ppb	0.00	
Spiked Amount	10.000	Range	84 - 115	Recovery	=	99.30%	
Target Compounds							
							Qvalue
2) Ethanol	1.07	45	3502	No Calib			
4) Dichlorodifluoromethane	1.18	85	73593	20.024	ppb		91
5) Chloromethane	1.32	50	64275	18.863	ppb		99
6) Vinyl chloride	1.40	62	63206	19.553	ppb		95
7) Bromomethane	1.63	94	25447	16.930	ppb		99
8) Chloroethane	1.70	64	30523	18.005	ppb		98
9) Trichlorofluoromethane	1.89	101	94127	18.677	ppb		97
10) 2-Propanol	2.99	45	7835	No Calib			
11) Acetone	2.39	58	27001	111.742	ppb		89
12) 1,1-Dichloroethene	2.32	96	54478	18.213	ppb	#	78
13) Hexane	3.21	57	56092	17.939	ppb		96
14) Methylene chloride	2.73	84	58263	19.138	ppb		89
15) t-Butyl alcohol (TBA)	2.87	59	43808	95.296	ppb		89
16) Methyl t-butyl ether (...)	2.98	73	163668	18.777	ppb		98
17) trans-1,2-Dichloroethene	2.97	96	56922	17.979	ppb	#	81
18) Diisopropyl ether (DIPE)	3.40	45	147412	18.490	ppb		94
19) 1,1-Dichloroethane	3.32	63	88537	18.418	ppb		98
20) Ethyl t-butyl ether (E...)	3.70	87	71277	18.693	ppb		84
21) 2,2-Dichloropropane	3.81	77	58000	18.940	ppb		97
22) cis-1,2-Dichloroethene	3.81	96	62330	18.186	ppb	#	79
23) Chloroform	4.08	83	97888	18.801	ppb		99
24) 2-Butanone (MEK)	3.83	43	144756	86.692	ppb		95
25) t-Amyl methyl ether (T...)	4.65	73	161402	18.668	ppb		99
26) 1,2-Dichloroethane (EDC)	4.55	62	72919	18.548	ppb		96
27) 1,1,1-Trichloroethane	4.23	97	88911	18.613	ppb		94
28) 1,1-Dichloropropene	4.37	75	72768	18.098	ppb		90
29) Carbon tetrachloride	4.37	117	80059	18.618	ppb		93
31) Benzene	4.54	78	207900	18.023	ppb		93
32) Trichloroethene	5.09	95	58233	17.406	ppb	#	76
33) 1,2-Dichloropropane	5.28	63	48010	18.813	ppb		96
34) Bromodichloromethane	5.51	83	70632	18.236	ppb		97
36) Dibromomethane	5.37	93	36401	18.806	ppb		82

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110814.D
 Acq On : 8 Nov 2022 2:30 pm
 Operator : LM
 Sample : 20 ppb 8260 ICAL 67-1770
 Misc : soil/water
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS4

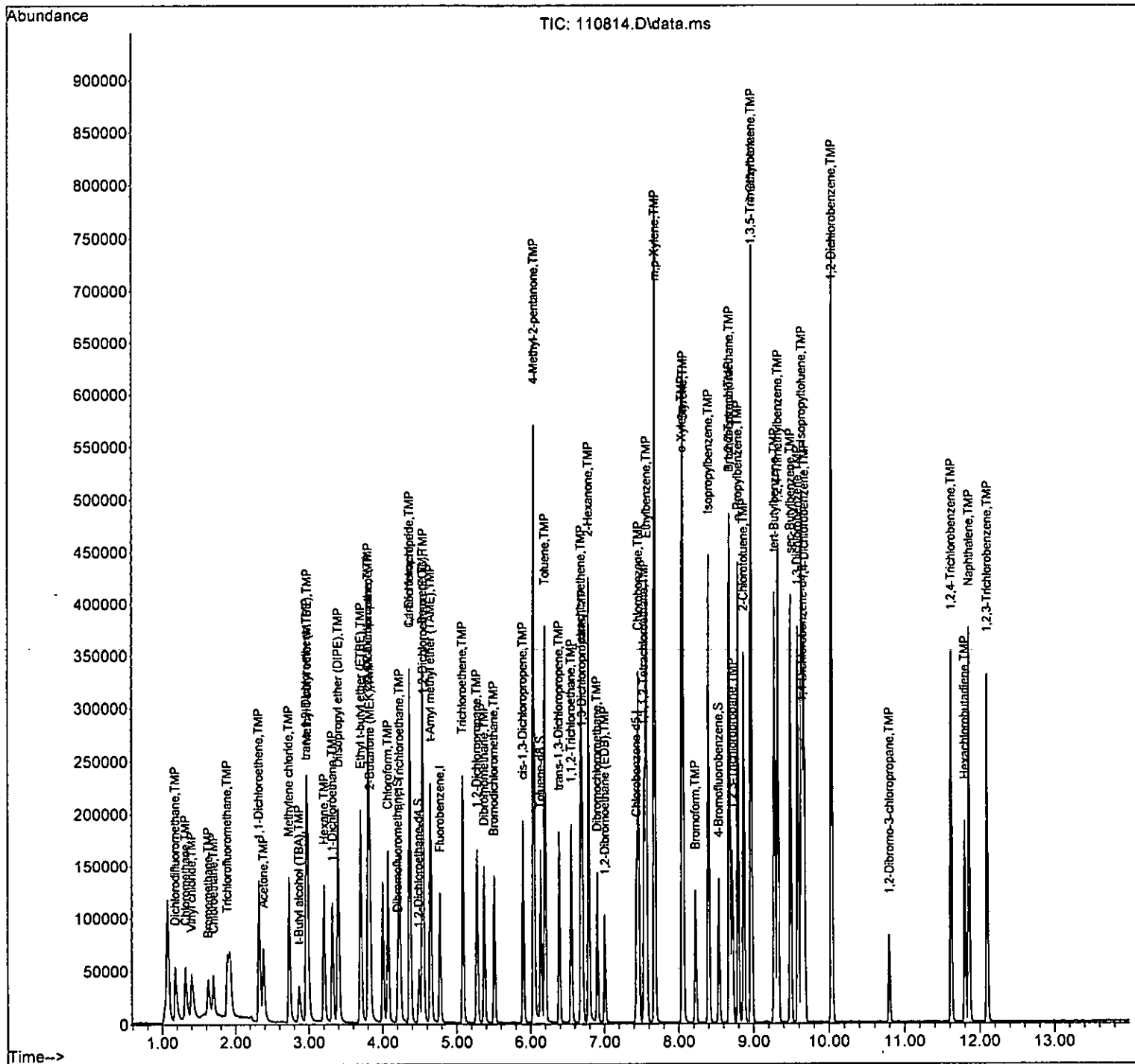
Quant Time: Nov 08 16:47:41 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	6.05	85	63954	92.699	ppb	# 76
38) cis-1,3-Dichloropropene	5.90	75	83559	18.470	ppb	92
40) Toluene	6.20	92	136069	18.694	ppb	97
41) trans-1,3-Dichloropropene	6.39	75	78143	18.791	ppb	95
42) 1,1,2-Trichloroethane	6.55	83	40578	18.407	ppb	87
43) 2-Hexanone	6.79	43	222689	92.398	ppb	97
44) 1,3-Dichloropropane	6.70	76	78842	18.711	ppb	99
45) Tetrachloroethene	6.69	164	60564	18.689	ppb	99
46) Dibromochloromethane	6.91	129	62322	19.445	ppb	100
47) 1,2-Dibromoethane (EDB)	7.01	107	56899	18.998	ppb	95
48) Chlorobenzene	7.46	112	160098	18.540	ppb	89
49) Ethylbenzene	7.57	91	254952	18.370	ppb	92
50) 1,1,1,2-Tetrachloroethane	7.54	131	60525	18.909	ppb	95
51) m,p-Xylene	7.68	106	208379	37.140	ppb	86
52) o-Xylene	8.05	106	102174	18.327	ppb	88
53) Styrene	8.06	104	176352	18.638	ppb	87
54) Isopropylbenzene	8.40	105	258390	18.293	ppb	94
55) Bromoform	8.22	173	52290	19.991	ppb	98
58) n-Propylbenzene	8.79	91	287328	18.187	ppb	91
59) Bromobenzene	8.68	156	84749	18.540	ppb	# 82
60) 1,3,5-Trimethylbenzene	8.97	105	214549	18.399	ppb	89
61) 1,1,2,2-Tetrachloroethane	8.68	83	75310	18.718	ppb	95
62) 1,2,3-Trichloropropane	8.72	75	56257	18.463	ppb	98
63) 2-Chlorotoluene	8.87	91	172461	18.286	ppb	88
64) 4-Chlorotoluene	8.97	91	201899	17.953	ppb	87
65) tert-Butylbenzene	9.28	119	189585	18.417	ppb	84
66) 1,2,4-Trimethylbenzene	9.33	105	219687	18.090	ppb	91
67) sec-Butylbenzene	9.49	105	253268	18.326	ppb	92
68) p-Isopropyltoluene	9.64	119	228782	18.149	ppb	91
69) 1,3-Dichlorobenzene	9.59	146	148613	18.333	ppb	96
70) 1,4-Dichlorobenzene	9.68	146	151773	18.150	ppb	94
71) 1,2-Dichlorobenzene	10.04	146	146308	18.378	ppb	94
72) 1,2-Dibromo-3-chloropr...	10.80	75	15655	18.768	ppb	# 60
73) 1,2,4-Trichlorobenzene	11.62	180	112089	18.709	ppb	99
74) Hexachlorobutadiene	11.81	225	43330	18.763	ppb	99
75) Naphthalene	11.86	128	279962	18.970	ppb	99
76) 1,2,3-Trichlorobenzene	12.10	180	106233	18.735	ppb	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110814.D
 Acq On : 8 Nov 2022 2:30 pm
 Operator : LM
 Sample : 20 ppb 8260 ICAL 67-1770
 Misc : soil/water
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS4

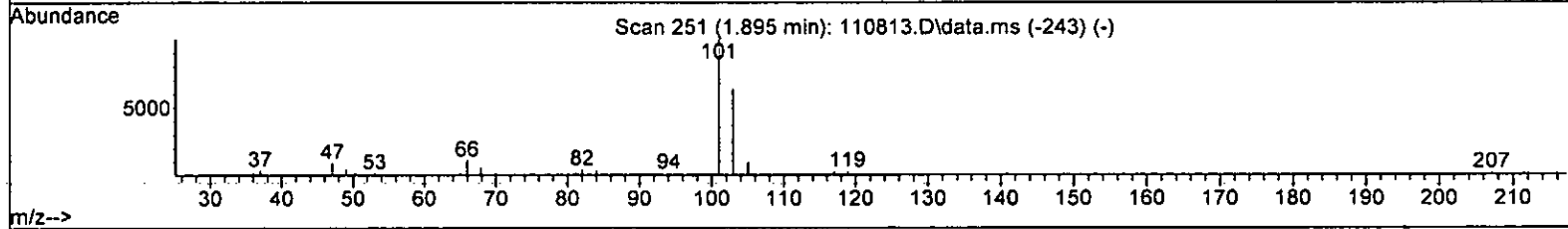
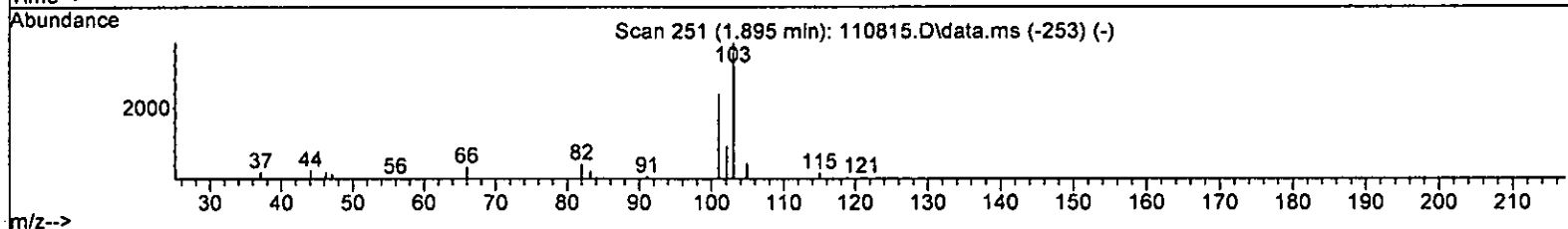
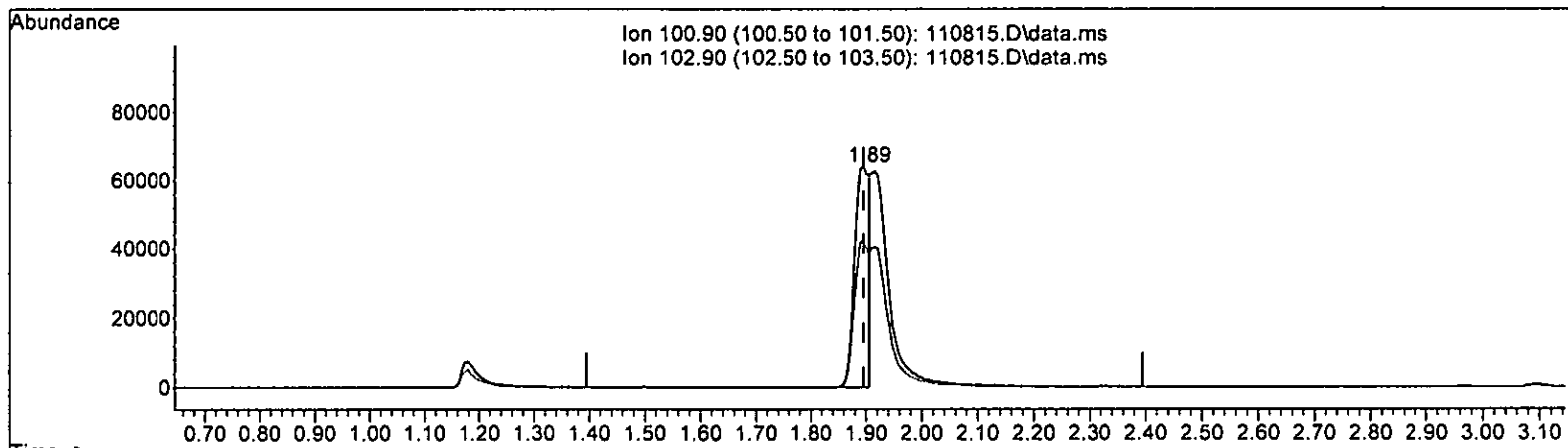
Quant Time: Nov 08 16:47:41 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110815.D
 Acq On : 8 Nov 2022 2:55 pm
 Operator : LM
 Sample : 50 ppb 8260 ICAL 67-177Q
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:43 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



TIC: 110815.D\data.ms

(9) Trichlorofluoromethane (TMF)

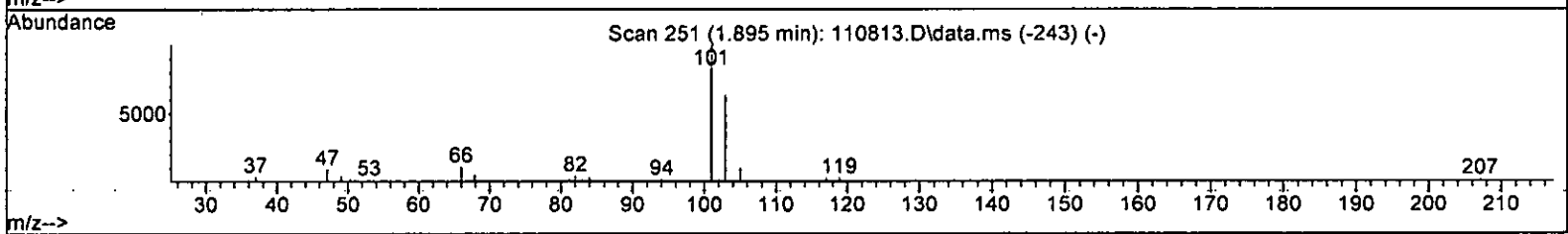
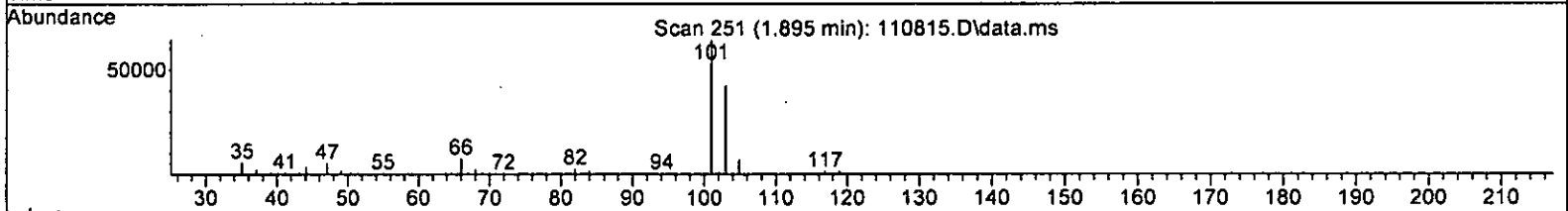
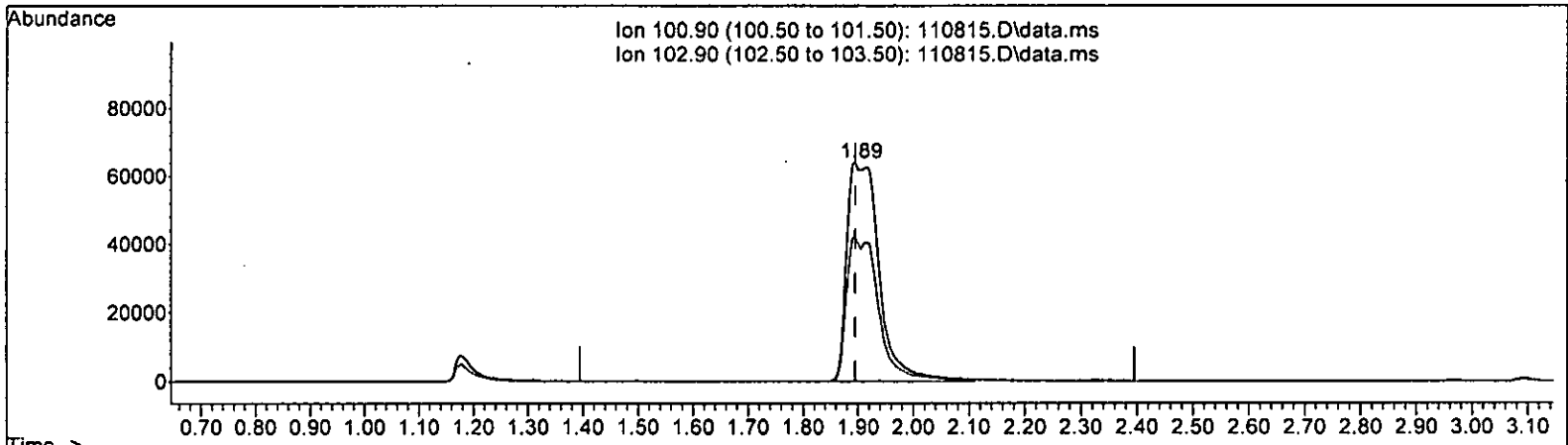
1.895min (-0.000) 22.966 ppb

response	116202
Ion	Exp% Act%
100.90	100.00 100.00
102.90	61.00 65.76
0.00	0.00 0.00
0.00	0.00 0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110815.D
 Acq On : 8 Nov 2022 2:55 pm
 Operator : LM
 Sample : 50 ppb 8260 ICAL 67-177Q
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:43 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



TIC: 110815.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.895min (-0.000) 50.922 ppb m

response 257649

Ion	Exp%	Act%
100.90	100.00	100.00
102.90	61.00	65.76
0.00	0.00	0.00
0.00	0.00	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110815.D
 Acq On : 8 Nov 2022 2:55 pm
 Operator : LM
 Sample : 50 ppb 8260 ICAL 67-177Q
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:43 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I Fluorobenzene	10.000	10.000	0.0	100	0.00
2 TMP Ethanol	-1.000	0.000	0.0	100	0.01
3 S Dibromofluoromethane	10.000	9.862	1.4	100	0.00
4 TMP Dichlorodifluoromethane	50.000	52.412	-4.8	100	0.00
5 TMP Chloromethane	50.000	48.923	2.2	100	0.00
6 TMP Vinyl chloride	50.000	51.715	-3.4	100	0.00
7 TMP Bromomethane	50.000	46.281	7.4	100	0.00
8 TMP Chloroethane	50.000	47.162	5.7	100	0.00
9 TMP Trichlorofluoromethane	50.000	50.922	-1.8	100	0.00
10 TMP 2-Propanol	-1.000	0.000	0.0	0	0.00
11 TMP Acetone	250.000	259.559	-3.8	100	0.00
12 TMP 1,1-Dichloroethene	50.000	47.263	5.5	100	0.00
13 TMP Hexane	50.000	48.056	3.9	100	0.00
14 TMP Methylene chloride	50.000	50.247	-0.5	100	0.00
15 TMP t-Butyl alcohol (TBA)	250.000	254.457	-1.8	100	0.00
16 TMP Methyl t-butyl ether (MTBE)	50.000	49.667	0.7	100	0.00
17 TMP trans-1,2-Dichloroethene	50.000	48.207	3.6	100	0.00
18 TMP Diisopropyl ether (DIPE)	50.000	49.307	1.4	100	0.00
19 TMP 1,1-Dichloroethane	50.000	48.956	2.1	100	0.00
20 TMP Ethyl t-butyl ether (ETBE)	50.000	50.329	-0.7	100	0.00
21 TMP 2,2-Dichloropropane	50.000	48.859	2.3	100	0.00
22 TMP cis-1,2-Dichloroethene	50.000	47.687	4.6	100	0.00
23 TMP Chloroform	50.000	49.526	0.9	100	0.00
24 TMP 2-Butanone (MEK)	250.000	235.469	5.8	100	0.00
25 TMP t-Amyl methyl ether (TAME)	50.000	50.092	-0.2	100	0.00
26 TMP 1,2-Dichloroethane (EDC)	50.000	49.728	0.5	100	0.00
27 TMP 1,1,1-Trichloroethane	50.000	49.050	1.9	100	0.00
28 TMP 1,1-Dichloropropane	50.000	48.826	2.3	100	0.00
29 TMP Carbon tetrachloride	50.000	49.732	0.5	100	0.00
30 S 1,2-Dichloroethane-d4	10.000	10.076	-0.8	100	0.00
31 TMP Benzene	50.000	49.501	1.0	100	0.00
32 TMP Trichloroethene	50.000	47.199	5.6	100	0.00
33 TMP 1,2-Dichloropropane	50.000	50.726	-1.5	100	0.00
34 TMP Bromodichloromethane	50.000	50.458	-0.9	100	0.00
35 S Toluene-d8	10.000	10.075	-0.7	100	0.00
36 TMP Dibromomethane	50.000	50.280	-0.6	100	0.00
37 TMP 4-Methyl-2-pentanone	250.000	256.990	-2.8	100	0.00
38 TMP cis-1,3-Dichloropropene	50.000	50.807	-1.6	100	0.00
39 I Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40 TMP Toluene	50.000	50.193	-0.4	100	0.00
41 TMP trans-1,3-Dichloropropene	50.000	50.591	-1.2	100	0.00
42 TMP 1,1,2-Trichloroethane	50.000	49.806	0.4	100	0.00
43 TMP 2-Hexanone	250.000	254.353	-1.7	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110815.D
 Acq On : 8 Nov 2022 2:55 pm
 Operator : LM
 Sample : 50 ppb 8260 ICAL 67-177Q
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:43 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	50.000	51.006	-2.0	100	0.00
45 TMP Tetrachloroethene	50.000	49.946	0.1	100	0.00
46 TMP Dibromochloromethane	50.000	52.794	-5.6	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	50.000	51.414	-2.8	100	0.00
48 TMP Chlorobenzene	50.000	49.978	0.0	100	0.00
49 TMP Ethylbenzene	50.000	49.625	0.8	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	50.000	50.779	-1.6	100	0.00
51 TMP m,p-Xylene	100.000	98.727	1.3	100	0.00
52 TMP o-Xylene	50.000	48.953	2.1	100	0.00
53 TMP Styrene	50.000	49.978	0.0	100	0.00
54 TMP Isopropylbenzene	50.000	48.859	2.3	100	0.00
55 TMP Bromoform	50.000	53.712	-7.4	100	0.00
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	10.000	9.945	0.5	100	0.00
58 TMP n-Propylbenzene	50.000	49.437	1.1	100	0.00
59 TMP Bromobenzene	50.000	50.349	-0.7	100	0.00
60 TMP 1,3,5-Trimethylbenzene	50.000	49.967	0.1	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	50.000	51.464	-2.9	100	0.00
62 TMP 1,2,3-Trichloropropane	50.000	50.638	-1.3	100	0.00
63 TMP 2-Chlorotoluene	50.000	49.226	1.5	100	0.00
64 TMP 4-Chlorotoluene	50.000	49.384	1.2	100	0.00
65 TMP tert-Butylbenzene	50.000	49.413	1.2	100	0.00
66 TMP 1,2,4-Trimethylbenzene	50.000	48.989	2.0	100	0.00
67 TMP sec-Butylbenzene	50.000	49.630	0.7	100	0.00
68 TMP p-Isopropyltoluene	50.000	49.497	1.0	100	0.00
69 TMP 1,3-Dichlorobenzene	50.000	49.179	1.6	100	0.00
70 TMP 1,4-Dichlorobenzene	50.000	48.863	2.3	100	0.00
71 TMP 1,2-Dichlorobenzene	50.000	49.178	1.6	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	50.000	51.800	-3.6	100	0.00
73 TMP 1,2,4-Trichlorobenzene	50.000	50.734	-1.5	100	0.00
74 TMP Hexachlorobutadiene	50.000	50.627	-1.3	100	0.00
75 TMP Naphthalene	50.000	52.287	-4.6	100	0.00
76 TMP 1,2,3-Trichlorobenzene	50.000	51.424	-2.8	100	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110815.D
 Acq On : 8 Nov 2022 2:55 pm
 Operator : LM
 Sample : 50 ppb 8260 ICAL 67-177Q
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:43 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I Fluorobenzene	1.000	1.000	0.0	100	0.00
2 TMP Ethanol	0.000	0.000#	0.0	100	0.01
3 S Dibromofluoromethane	0.275	0.271	1.5	100	0.00
4 TMP Dichlorodifluoromethane	0.410	0.429	-4.6	100	0.00
5 TMP Chloromethane	0.380	0.372	2.1	100	0.00
6 TMP Vinyl chloride	0.360	0.373	-3.6	100	0.00
7 TMP Bromomethane	0.168	0.155	7.7	100	0.00
8 TMP Chloroethane	0.189	0.178	5.8	100	0.00
9 TMP Trichlorofluoromethane	0.562	0.572	-1.8	100	0.00
10 TMP 2-Propanol	0.000	0.000	0.0	0#	0.00
11 TMP Acetone	0.037	0.032	13.5	100	0.00
12 TMP 1,1-Dichloroethene	0.333	0.315	5.4	100	0.00
13 TMP Hexane	0.348	0.335	3.7	100	0.00
14 TMP Methylene chloride	0.369	0.325	11.9	100	0.00
15 TMP t-Butyl alcohol (TBA)	0.051	0.052	-2.0	100	0.00
16 TMP Methyl t-butyl ether (MTBE)	0.971	0.965	0.6	100	0.00
17 TMP trans-1,2-Dichloroethene	0.353	0.340	3.7	100	0.00
18 TMP Diisopropyl ether (DIPE)	0.889	0.876	1.5	100	0.00
19 TMP 1,1-Dichloroethane	0.536	0.525	2.1	100	0.00
20 TMP Ethyl t-butyl ether (ETBE)	0.425	0.428	-0.7	100	0.00
21 TMP 2,2-Dichloropropane	0.352	0.326	7.4	100	0.00
22 TMP cis-1,2-Dichloroethene	0.382	0.364	4.7	100	0.00
23 TMP Chloroform	0.583	0.575	1.4	100	0.00
24 TMP 2-Butanone (MEK)	0.186	0.175	5.9	100	0.00
25 TMP t-Amyl methyl ether (TAME)	0.964	0.965	-0.1	100	0.00
26 TMP 1,2-Dichloroethane (EDC)	0.438	0.436	0.5	100	0.00
27 TMP 1,1,1-Trichloroethane	0.532	0.522	1.9	100	0.00
28 TMP 1,1-Dichloropropene	0.448	0.438	2.2	100	0.00
29 TMP Carbon tetrachloride	0.479	0.477	0.4	100	0.00
30 S 1,2-Dichloroethane-d4	0.063	0.064	-1.6	100	0.00
31 TMP Benzene	1.286	1.273	1.0	100	0.00
32 TMP Trichloroethene	0.373	0.352	5.6	100	0.00
33 TMP 1,2-Dichloropropane	0.284	0.289	-1.8	100	0.00
34 TMP Bromodichloromethane	0.432	0.436	-0.9	100	0.00
35 S Toluene-d8	1.002	1.009	-0.7	100	0.00
36 TMP Dibromomethane	0.216	0.217	-0.5	100	0.00
37 TMP 4-Methyl-2-pentanone	0.077	0.079	-2.6	100	0.00
38 TMP cis-1,3-Dichloropropene	0.504	0.512	-1.6	100	0.00
39 I Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40 TMP Toluene	0.968	0.971	-0.3	100	0.00
41 TMP trans-1,3-Dichloropropene	0.553	0.559	-1.1	100	0.00
42 TMP 1,1,2-Trichloroethane	0.293	0.292	0.3	100	0.00
43 TMP 2-Hexanone	0.320	0.326	-1.9	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110815.D
 Acq On : 8 Nov 2022 2:55 pm
 Operator : LM
 Sample : 50 ppb 8260 ICAL 67-177Q
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:43 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.560	0.571	-2.0	100	0.00
45 TMP Tetrachloroethene	0.431	0.430	0.2	100	0.00
46 TMP Dibromochloromethane	0.429	0.464	-8.2	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	0.398	0.409	-2.8	100	0.00
48 TMP Chlorobenzene	1.148	1.148	0.0	100	0.00
49 TMP Ethylbenzene	1.845	1.831	0.8	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.426	0.432	-1.4	100	0.00
51 TMP m,p-Xylene	0.746	0.736	1.3	100	0.00
52 TMP o-Xylene	0.741	0.726	2.0	100	0.00
53 TMP Styrene	1.258	1.257	0.1	100	0.00
54 TMP Isopropylbenzene	1.878	1.835	2.3	100	0.00
55 TMP Bromoform	0.362	0.393	-8.6	100	0.00
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	0.701	0.697	0.6	100	0.00
58 TMP n-Propylbenzene	3.165	3.130	1.1	100	0.00
59 TMP Bromobenzene	0.916	0.922	-0.7	100	0.00
60 TMP 1,3,5-Trimethylbenzene	2.336	2.335	0.0	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.806	0.830	-3.0	100	0.00
62 TMP 1,2,3-Trichloropropane	0.610	0.618	-1.3	100	0.00
63 TMP 2-Chlorotoluene	1.890	1.860	1.6	100	0.00
64 TMP 4-Chlorotoluene	2.253	2.225	1.2	100	0.00
65 TMP tert-Butylbenzene	2.062	2.038	1.2	100	0.00
66 TMP 1,2,4-Trimethylbenzene	2.433	2.384	2.0	100	0.00
67 TMP sec-Butylbenzene	2.769	2.748	0.8	100	0.00
68 TMP p-Isopropyltoluene	2.526	2.500	1.0	100	0.00
69 TMP 1,3-Dichlorobenzene	1.624	1.597	1.7	100	0.00
70 TMP 1,4-Dichlorobenzene	1.675	1.637	2.3	100	0.00
71 TMP 1,2-Dichlorobenzene	1.595	1.569	1.6	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	0.167	0.173	-3.6	100	0.00
73 TMP 1,2,4-Trichlorobenzene	1.200	1.218	-1.5	100	0.00
74 TMP Hexachlorobutadiene	0.463	0.468	-1.1	100	0.00
75 TMP Naphthalene	2.957	3.092	-4.6	100	0.00
76 TMP 1,2,3-Trichlorobenzene	1.136	1.168	-2.8	100	0.00

(#) = Out of Range

SPCC's out = 1 CCC's out = 0

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110815.D
 Acq On : 8 Nov 2022 2:55 pm
 Operator : LM
 Sample : 50 ppb 8260 ICAL 67-177Q
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:43 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	4.78	96	90079	10.000	ppb	0.00
39) Chlorobenzene-d5	7.43	117	76555	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.65	152	49605	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.21	113	24421	9.862	ppb	0.00
Spiked Amount	10.000	Range	0 - 1000	Recovery	=	98.60%
30) 1,2-Dichloroethane-d4	4.49	102	5763	10.076	ppb	0.00
Spiked Amount	10.000	Range	90 - 109	Recovery	=	100.80%
35) Toluene-d8	6.14	98	90909	10.075	ppb	0.00
Spiked Amount	10.000	Range	89 - 112	Recovery	=	100.70%
57) 4-Bromofluorobenzene	8.54	95	34598	9.945	ppb	0.00
Spiked Amount	10.000	Range	84 - 115	Recovery	=	99.50%
Target Compounds						
2) Ethanol	1.08	45	3563	No Calib		Qvalue
4) Dichlorodifluoromethane	1.18	85	193390	52.412	ppb	95
5) Chloromethane	1.31	50	167365	48.923	ppb	98
6) Vinyl chloride	1.40	62	167832	51.715	ppb	99
7) Bromomethane	1.63	94	69839	46.281	ppb	94
8) Chloroethane	1.70	64	80269	47.162	ppb	97
9) Trichlorofluoromethane	1.89	101	257649m	50.922	ppb	
10) 2-Propanol	2.98	45	21435	No Calib		
11) Acetone	2.39	58	72310	259.559	ppb	92
12) 1,1-Dichloroethene	2.32	96	141930	47.263	ppb	# 80
13) Hexane	3.21	57	150857	48.056	ppb	95
14) Methylene chloride	2.73	84	146209	50.247	ppb	89
15) t-Butyl alcohol (TBA)	2.87	59	117438	254.457	ppb	90
16) Methyl t-butyl ether (...)	2.99	73	434622	49.667	ppb	97
17) trans-1,2-Dichloroethene	2.97	96	153230	48.207	ppb	83
18) Diisopropyl ether (DIPE)	3.40	45	394656	49.307	ppb	93
19) 1,1-Dichloroethane	3.32	63	236270	48.956	ppb	98
20) Ethyl t-butyl ether (E...)	3.70	87	192669	50.329	ppb	# 83
21) 2,2-Dichloropropane	3.81	77	146788	48.859	ppb	95
22) cis-1,2-Dichloroethene	3.81	96	164087	47.687	ppb	# 81
23) Chloroform	4.08	83	258775	49.526	ppb	99
24) 2-Butanone (MEK)	3.83	43	394736	235.469	ppb	95
25) t-Amyl methyl ether (T...)	4.65	73	434811	50.092	ppb	99
26) 1,2-Dichloroethane (EDC)	4.55	62	196277	49.728	ppb	96
27) 1,1,1-Trichloroethane	4.23	97	235230	49.050	ppb	94
28) 1,1-Dichloropropene	4.37	75	197093	48.826	ppb	90
29) Carbon tetrachloride	4.37	117	214695	49.732	ppb	91
31) Benzene	4.54	78	573260	49.501	ppb	95
32) Trichloroethene	5.09	95	158535	47.199	ppb	79
33) 1,2-Dichloropropane	5.28	63	129960	50.726	ppb	97
34) Bromodichloromethane	5.51	83	196206	50.458	ppb	96
36) Dibromomethane	5.37	93	97707	50.280	ppb	85

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110815.D
 Acq On : 8 Nov 2022 2:55 pm
 Operator : LM
 Sample : 50 ppb 8260 ICAL 67-177Q
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS4

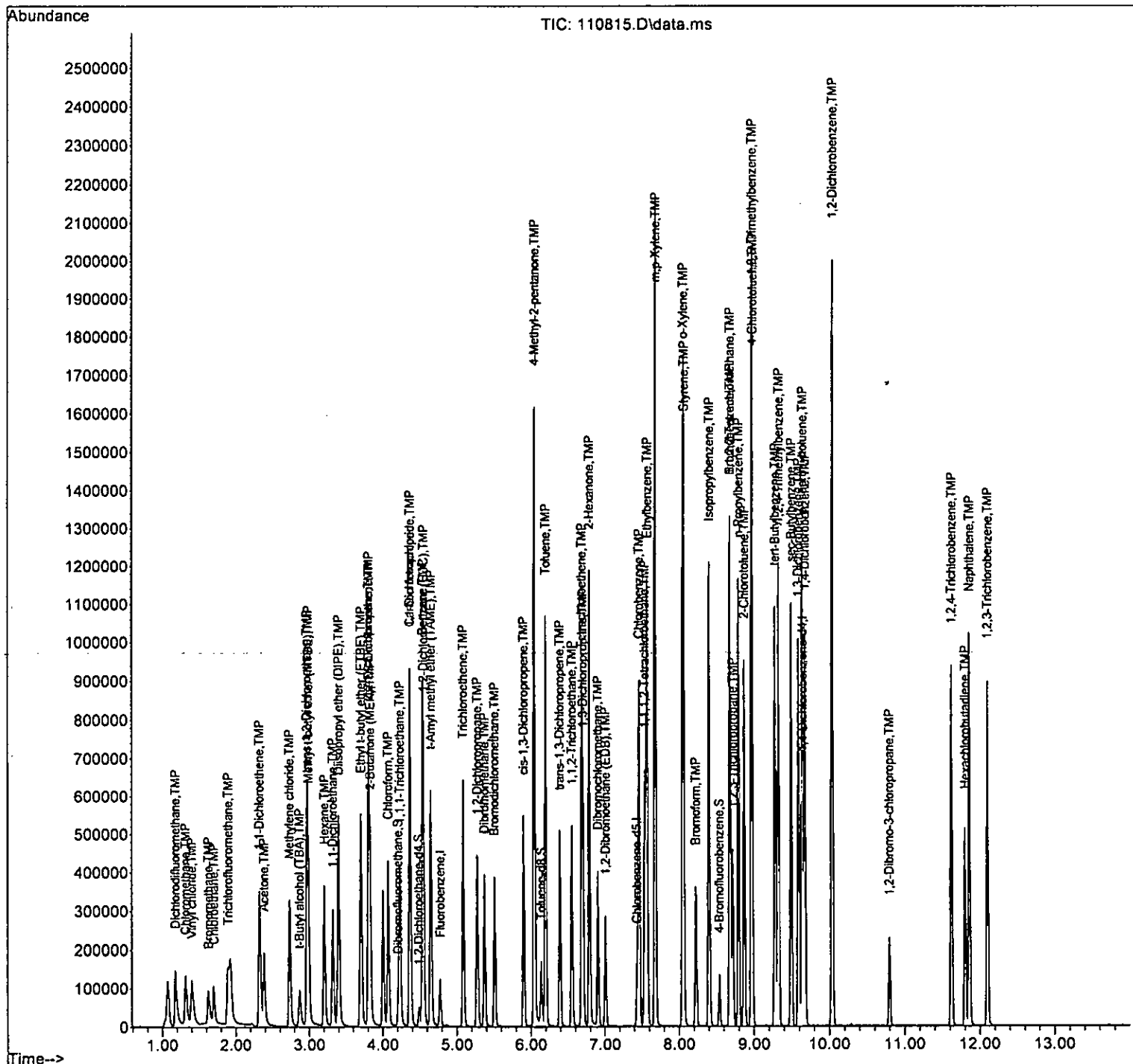
Quant Time: Nov 08 16:47:43 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	6.05	85	178002	256.990	ppb	# 77
38) cis-1,3-Dichloropropene	5.90	75	230758	50.807	ppb	95
40) Toluene	6.20	92	371842	50.193	ppb	96
41) trans-1,3-Dichloropropene	6.39	75	214130	50.591	ppb	97
42) 1,1,2-Trichloroethane	6.55	83	111752	49.806	ppb	89
43) 2-Hexanone	6.79	43	623940	254.353	ppb	96
44) 1,3-Dichloropropane	6.70	76	218745	51.006	ppb	99
45) Tetrachloroethene	6.69	164	164736	49.946	ppb	99
46) Dibromochloromethane	6.91	129	177719	52.794	ppb	99
47) 1,2-Dibromoethane (EDB)	7.01	107	156732	51.414	ppb	94
48) Chlorobenzene	7.46	112	439266	49.978	ppb	89
49) Ethylbenzene	7.57	91	701000	49.625	ppb	94
50) 1,1,1,2-Tetrachloroethane	7.54	131	165428	50.779	ppb	97
51) m,p-Xylene	7.68	106	563786	98.727	ppb	89
52) o-Xylene	8.05	106	277771	48.953	ppb	87
53) Styrene	8.06	104	481315	49.978	ppb	87
54) Isopropylbenzene	8.40	105	702451	48.859	ppb	94
55) Bromoform	8.22	173	150590	53.712	ppb	99
58) n-Propylbenzene	8.79	91	776217	49.437	ppb	93
59) Bromobenzene	8.68	156	228733	50.349	ppb	# 84
60) 1,3,5-Trimethylbenzene	8.97	105	579070	49.967	ppb	88
61) 1,1,2,2-Tetrachloroethane	8.68	83	205783	51.464	ppb	97
62) 1,2,3-Trichloropropane	8.72	75	153345	50.638	ppb	99
63) 2-Chlorotoluene	8.87	91	461392	49.226	ppb	86
64) 4-Chlorotoluene	8.98	91	551962	49.384	ppb	84
65) tert-Butylbenzene	9.28	119	505519	49.413	ppb	85
66) 1,2,4-Trimethylbenzene	9.33	105	591254	48.989	ppb	90
67) sec-Butylbenzene	9.49	105	681674	49.630	ppb	93
68) p-Isopropyltoluene	9.64	119	620109	49.497	ppb	91
69) 1,3-Dichlorobenzene	9.59	146	396205	49.179	ppb	96
70) 1,4-Dichlorobenzene	9.68	146	406078	48.863	ppb	95
71) 1,2-Dichlorobenzene	10.04	146	389080	49.178	ppb	94
72) 1,2-Dibromo-3-chloropr...	10.80	75	42942	51.800	ppb	# 58
73) 1,2,4-Trichlorobenzene	11.62	180	302079	50.734	ppb	98
74) Hexachlorobutadiene	11.81	225	116196	50.627	ppb	98
75) Naphthalene	11.86	128	766905	52.287	ppb	99
76) 1,2,3-Trichlorobenzene	12.10	180	289786	51.424	ppb	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110815.D
 Acq On : 8 Nov 2022 2:55 pm
 Operator : LM
 Sample : 50 ppb 8260 ICAL 67-177Q
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS4

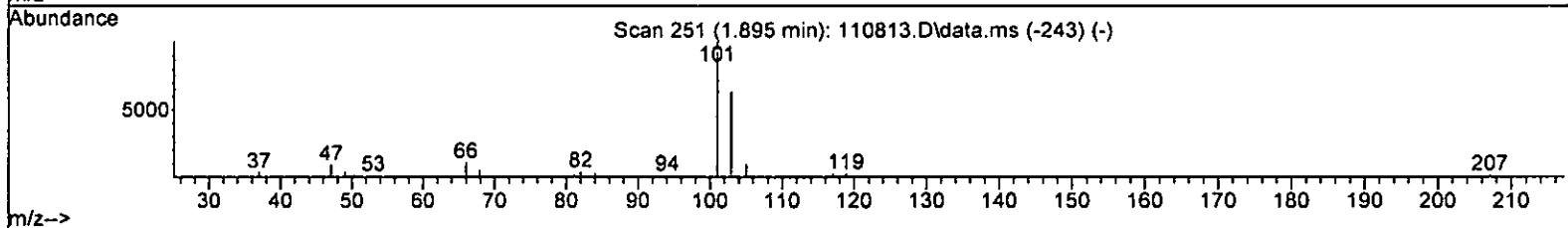
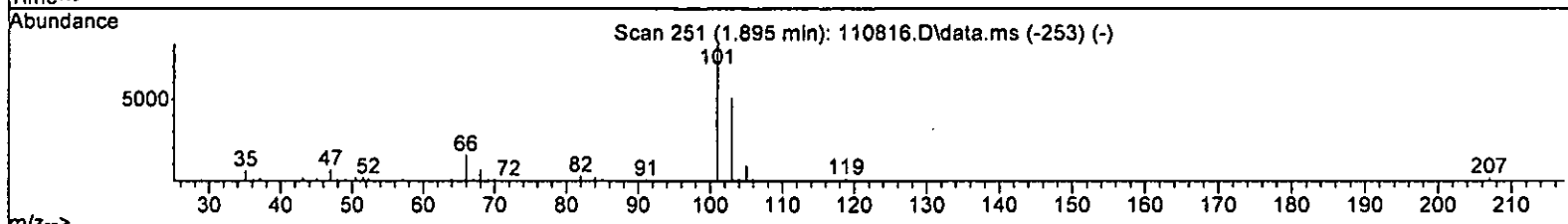
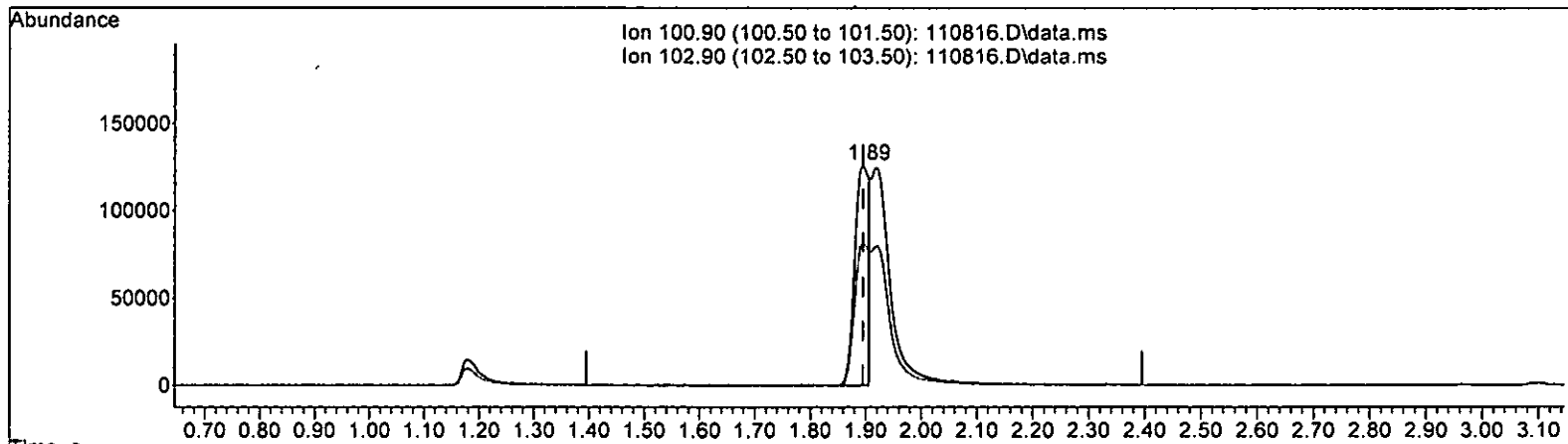
Quant Time: Nov 08 16:47:43 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110816.D
 Acq On : 8 Nov 2022 3:19 pm
 Operator : LM
 Sample : 100 ppb 8260 ICAL 67-1775
 Misc : soil/water
 ALS Vial : 14 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:45 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



TIC: 110816.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.895min (-0.000) 43.828 ppb

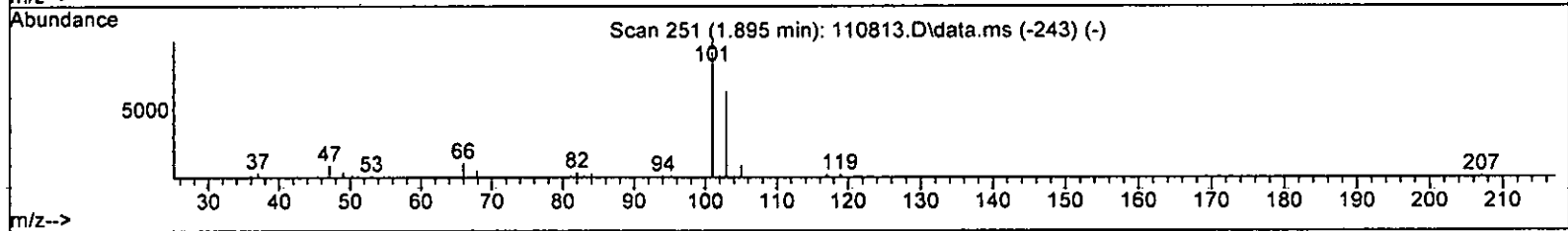
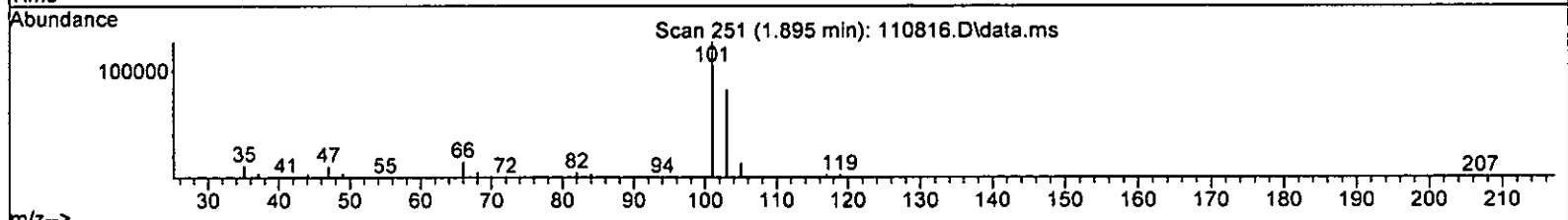
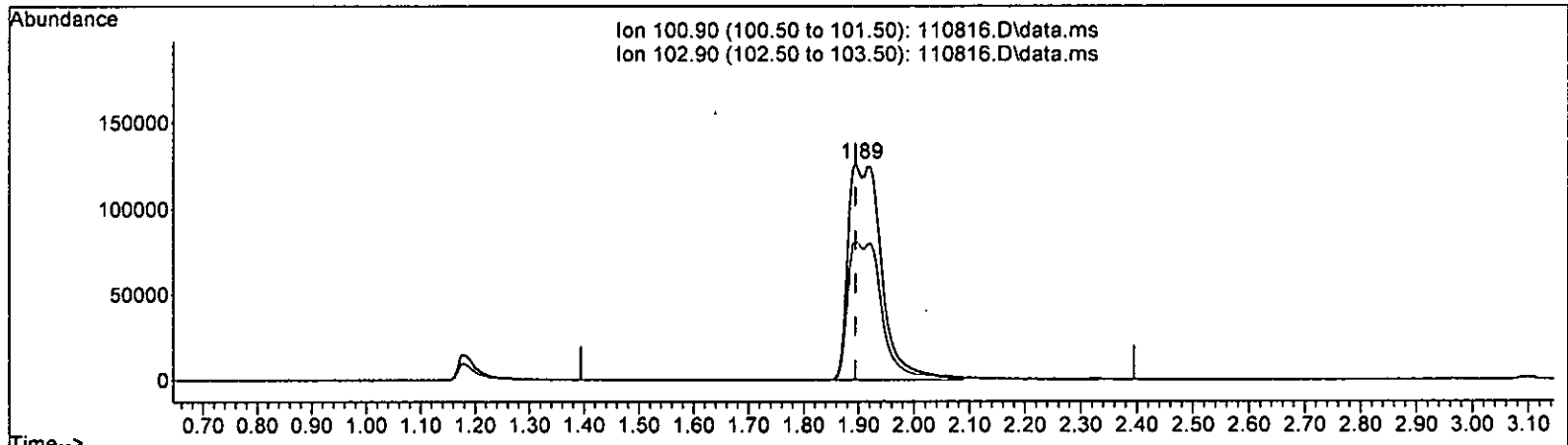
response 222077

Ion	Exp%	Act%
100.90	100.00	100.00
102.90	61.00	64.82
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110816.D
 Acq On : 8 Nov 2022 3:19 pm
 Operator : LM
 Sample : 100 ppb 8260 ICAL 67-177S
 Misc : soil/water
 ALS Vial : 14 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:45 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



TIC: 110816.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.895min (-0.000) 103.817 ppb m

response	526041
Ion	Exp% Act%
100.90	100.00 100.00
102.90	61.00 64.82
0.00	0.00 0.00
0.00	0.00 0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110816.D
 Acq On : 8 Nov 2022 3:19 pm
 Operator : LM
 Sample : 100 ppb 8260 ICAL 67-1775
 Misc : soil/water
 ALS Vial : 14 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:45 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I Fluorobenzene	10.000	10.000	0.0	100	0.00
2 TMP Ethanol	-1.000	0.000	0.0	100	0.00
3 S Dibromofluoromethane	10.000	9.982	0.2	100	0.00
4 TMP Dichlorodifluoromethane	100.000	105.023	-5.0	100	0.00
5 TMP Chloromethane	100.000	100.091	-0.1	100	0.00
6 TMP Vinyl chloride	100.000	105.570	-5.6	100	0.00
7 TMP Bromomethane	100.000	96.389	3.6	100	0.00
8 TMP Chloroethane	100.000	94.730	5.3	100	0.00
9 TMP Trichlorofluoromethane	100.000	103.817	-3.8	100	0.00
10 TMP 2-Propanol	-1.000	0.000	0.0	0	0.00
11 TMP Acetone	500.000	434.249	13.2	100	0.00
12 TMP 1,1-Dichloroethene	100.000	95.252	4.7	100	0.00
13 TMP Hexane	100.000	96.057	3.9	100	0.00
14 TMP Methylene chloride	100.000	101.987	-2.0	100	0.00
15 TMP t-Butyl alcohol (TBA)	500.000	502.749	-0.5	100	0.00
16 TMP Methyl t-butyl ether (MTBE)	100.000	100.931	-0.9	100	0.00
17 TMP trans-1,2-Dichloroethene	100.000	97.177	2.8	100	0.00
18 TMP Diisopropyl ether (DIPE)	100.000	99.558	0.4	100	0.00
19 TMP 1,1-Dichloroethane	100.000	98.993	1.0	100	0.00
20 TMP Ethyl t-butyl ether (ETBE)	100.000	101.717	-1.7	100	0.00
21 TMP 2,2-Dichloropropane	100.000	98.803	1.2	100	0.00
22 TMP cis-1,2-Dichloroethene	100.000	96.730	3.3	100	0.00
23 TMP Chloroform	100.000	100.511	-0.5	100	0.00
24 TMP 2-Butanone (MEK)	500.000	475.073	5.0	100	0.00
25 TMP t-Amyl methyl ether (TAME)	100.000	101.386	-1.4	100	0.00
26 TMP 1,2-Dichloroethane (EDC)	100.000	100.066	-0.1	100	0.00
27 TMP 1,1,1-Trichloroethane	100.000	100.003	-0.0	100	0.00
28 TMP 1,1-Dichloropropene	100.000	100.046	-0.0	100	0.00
29 TMP Carbon tetrachloride	100.000	103.206	-3.2	100	0.00
30 S 1,2-Dichloroethane-d4	10.000	9.880	1.2	100	0.00
31 TMP Benzene	100.000	100.236	-0.2	100	0.00
32 TMP Trichloroethene	100.000	95.995	4.0	100	0.00
33 TMP 1,2-Dichloropropane	100.000	103.419	-3.4	100	0.00
34 TMP Bromodichloromethane	100.000	103.621	-3.6	100	0.00
35 S Toluene-d8	10.000	10.059	-0.6	100	0.00
36 TMP Dibromomethane	100.000	102.211	-2.2	100	0.00
37 TMP 4-Methyl-2-pentanone	500.000	527.038	-5.4	100	0.00
38 TMP cis-1,3-Dichloropropene	100.000	103.435	-3.4	100	0.00
39 I Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40 TMP Toluene	100.000	99.805	0.2	100	0.00
41 TMP trans-1,3-Dichloropropene	100.000	103.055	-3.1	100	0.00
42 TMP 1,1,2-Trichloroethane	100.000	99.980	0.0	100	0.00
43 TMP 2-Hexanone	500.000	503.420	-0.7	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110816.D
 Acq On : 8 Nov 2022 3:19 pm
 Operator : LM
 Sample : 100 ppb 8260 ICAL 67-177S
 Misc : soil/water
 ALS Vial : 14 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:45 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	100.000	103.075	-3.1	100	0.00
45 TMP Tetrachloroethene	100.000	100.570	-0.6	100	0.00
46 TMP Dibromochloromethane	100.000	102.353	-2.4	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	100.000	101.431	-1.4	100	0.00
48 TMP Chlorobenzene	100.000	99.251	0.7	100	0.00
49 TMP Ethylbenzene	100.000	98.315	1.7	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	100.000	101.613	-1.6	100	0.00
51 TMP m,p-Xylene	200.000	200.512	-0.3	100	0.00
52 TMP o-Xylene	100.000	97.329	2.7	100	0.00
53 TMP Styrene	100.000	101.462	-1.5	100	0.00
54 TMP Isopropylbenzene	100.000	98.113	1.9	100	0.00
55 TMP Bromoform	100.000	103.290	-3.3	100	0.00
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	10.000	9.901	1.0	100	0.00
58 TMP n-Propylbenzene	100.000	99.118	0.9	100	0.00
59 TMP Bromobenzene	100.000	100.404	-0.4	100	0.00
60 TMP 1,3,5-Trimethylbenzene	100.000	102.196	-2.2	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	100.000	103.042	-3.0	100	0.00
62 TMP 1,2,3-Trichloropropane	100.000	100.038	-0.0	100	0.00
63 TMP 2-Chlorotoluene	100.000	99.668	0.3	100	0.00
64 TMP 4-Chlorotoluene	100.000	101.737	-1.7	100	0.00
65 TMP tert-Butylbenzene	100.000	100.657	-0.7	100	0.00
66 TMP 1,2,4-Trimethylbenzene	100.000	100.150	-0.2	100	0.00
67 TMP sec-Butylbenzene	100.000	101.025	-1.0	100	0.00
68 TMP p-Isopropyltoluene	100.000	101.272	-1.3	100	0.00
69 TMP 1,3-Dichlorobenzene	100.000	100.290	-0.3	100	0.00
70 TMP 1,4-Dichlorobenzene	100.000	99.443	0.6	100	0.00
71 TMP 1,2-Dichlorobenzene	100.000	101.263	-1.3	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	100.000	108.328	-8.3	100	0.00
73 TMP 1,2,4-Trichlorobenzene	100.000	102.969	-3.0	100	0.00
74 TMP Hexachlorobutadiene	100.000	102.239	-2.2	100	0.00
75 TMP Naphthalene	100.000	105.976	-6.0	100	0.00
76 TMP 1,2,3-Trichlorobenzene	100.000	103.818	-3.8	100	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110816.D
 Acq On : 8 Nov 2022 3:19 pm
 Operator : LM
 Sample : 100 ppb 8260 ICAL 67-1775
 Misc : soil/water
 ALS Vial : 14 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:45 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2 TMP	Ethanol	0.000	0.000#	0.0	100	0.00
3 S	Dibromofluoromethane	0.275	0.274	0.4	100	0.00
4 TMP	Dichlorodifluoromethane	0.410	0.430	-4.9	100	0.00
5 TMP	Chloromethane	0.380	0.380	0.0	100	0.00
6 TMP	Vinyl chloride	0.360	0.380	-5.6	100	0.00
7 TMP	Bromomethane	0.168	0.161	4.2	100	0.00
8 TMP	Chloroethane	0.189	0.179	5.3	100	0.00
9 TMP	Trichlorofluoromethane	0.562	0.583	-3.7	100	0.00
10 TMP	2-Propanol	0.000	0.000	0.0	0#	0.00
11 TMP	Acetone	0.037	0.032	13.5	100	0.00
12 TMP	1,1-Dichloroethene	0.333	0.318	4.5	100	0.00
13 TMP	Hexane	0.348	0.335	3.7	100	0.00
14 TMP	Methylene chloride	0.369	0.324	12.2	100	0.00
15 TMP	t-Butyl alcohol (TBA)	0.051	0.052	-2.0	100	0.00
16 TMP	Methyl t-butyl ether (MTBE)	0.971	0.980	-0.9	100	0.00
17 TMP	trans-1,2-Dichloroethene	0.353	0.343	2.8	100	0.00
18 TMP	Diisopropyl ether (DIPE)	0.889	0.885	0.4	100	0.00
19 TMP	1,1-Dichloroethane	0.536	0.530	1.1	100	0.00
20 TMP	Ethyl t-butyl ether (ETBE)	0.425	0.432	-1.6	100	0.00
21 TMP	2,2-Dichloropropane	0.352	0.319	9.4	100	0.00
22 TMP	cis-1,2-Dichloroethene	0.382	0.369	3.4	100	0.00
23 TMP	Chloroform	0.583	0.583	0.0	100	0.00
24 TMP	2-Butanone (MEK)	0.186	0.177	4.8	100	0.00
25 TMP	t-Amyl methyl ether (TAME)	0.964	0.977	-1.3	100	0.00
26 TMP	1,2-Dichloroethane (EDC)	0.438	0.438	0.0	100	0.00
27 TMP	1,1,1-Trichloroethane	0.532	0.532	0.0	100	0.00
28 TMP	1,1-Dichloropropene	0.448	0.448	0.0	100	0.00
29 TMP	Carbon tetrachloride	0.479	0.495	-3.3	100	0.00
30 S	1,2-Dichloroethane-d4	0.063	0.063	0.0	100	0.00
31 TMP	Benzene	1.286	1.289	-0.2	100	0.00
32 TMP	Trichloroethene	0.373	0.358	4.0	100	0.00
33 TMP	1,2-Dichloropropane	0.284	0.294	-3.5	100	0.00
34 TMP	Bromodichloromethane	0.432	0.447	-3.5	100	0.00
35 S	Toluene-d8	1.002	1.008	-0.6	100	0.00
36 TMP	Dibromomethane	0.216	0.220	-1.9	100	0.00
37 TMP	4-Methyl-2-pentanone	0.077	0.081	-5.2	100	0.00
38 TMP	cis-1,3-Dichloropropene	0.504	0.522	-3.6	100	0.00
39 I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40 TMP	Toluene	0.968	0.966	0.2	100	0.00
41 TMP	trans-1,3-Dichloropropene	0.553	0.570	-3.1	100	0.00
42 TMP	1,1,2-Trichloroethane	0.293	0.293	0.0	100	0.00
43 TMP	2-Hexanone	0.320	0.323	-0.9	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110816.D
 Acq On : 8 Nov 2022 3:19 pm
 Operator : LM
 Sample : 100 ppb 8260 ICAL 67-1775
 Misc : soil/water
 ALS Vial : 14 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:45 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.560	0.577	-3.0	100	0.00
45 TMP Tetrachloroethene	0.431	0.433	-0.5	100	0.00
46 TMP Dibromochloromethane	0.429	0.470	-9.6	100	0.00
47 TMP 1,2-Dibromoethane (EOB)	0.398	0.404	-1.5	100	0.00
48 TMP Chlorobenzene	1.148	1.139	0.8	100	0.00
49 TMP Ethylbenzene	1.845	1.814	1.7	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.426	0.432	-1.4	100	0.00
51 TMP m,p-Xylene	0.746	0.748	-0.3	100	0.00
52 TMP o-Xylene	0.741	0.721	2.7	100	0.00
53 TMP Styrene	1.258	1.276	-1.4	100	0.00
54 TMP Isopropylbenzene	1.878	1.843	1.9	100	0.00
55 TMP Bromoform	0.362	0.406	-12.2	100	0.00
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	0.701	0.694	1.0	100	0.00
58 TMP n-Propylbenzene	3.165	3.137	0.9	100	0.00
59 TMP Bromobenzene	0.916	0.920	-0.4	100	0.00
60 TMP 1,3,5-Trimethylbenzene	2.336	2.388	-2.2	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.806	0.831	-3.1	100	0.00
62 TMP 1,2,3-Trichloropropane	0.610	0.611	-0.2	100	0.00
63 TMP 2-Chlorotoluene	1.890	1.883	0.4	100	0.00
64 TMP 4-Chlorotoluene	2.253	2.292	-1.7	100	0.00
65 TMP tert-Butylbenzene	2.062	2.076	-0.7	100	0.00
66 TMP 1,2,4-Trimethylbenzene	2.433	2.437	-0.2	100	0.00
67 TMP sec-Butylbenzene	2.769	2.797	-1.0	100	0.00
68 TMP p-Isopropyltoluene	2.526	2.558	-1.3	100	0.00
69 TMP 1,3-Dichlorobenzene	1.624	1.629	-0.3	100	0.00
70 TMP 1,4-Dichlorobenzene	1.675	1.666	0.5	100	0.00
71 TMP 1,2-Dichlorobenzene	1.595	1.615	-1.3	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	0.167	0.181	-8.4	100	0.00
73 TMP 1,2,4-Trichlorobenzene	1.200	1.236	-3.0	100	0.00
74 TMP Hexachlorobutadiene	0.463	0.473	-2.2	100	0.00
75 TMP Naphthalene	2.957	3.133	-6.0	100	0.00
76 TMP 1,2,3-Trichlorobenzene	1.136	1.179	-3.8	100	0.00

(#) = Out of Range

SPCC's out = 1 CCC's out = 0

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110816.D
 Acq On : 8 Nov 2022 3:19 pm
 Operator : LM
 Sample : 100 ppb 8260 ICAL 67-177S
 Misc : soil/water
 ALS Vial : 14 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:45 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	4.78	96	90209	10.000	ppb	0.00
39) Chlorobenzene-d5	7.43	117	77727	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.65	152	50521	10.000	ppb	# 0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.21	113	24754	9.982	ppb	0.00
Spiked Amount	10.000	Range	0 - 1000	Recovery	=	99.80%
30) 1,2-Dichloroethane-d4	4.49	102	5659	9.880	ppb	0.00
Spiked Amount	10.000	Range	90 - 109	Recovery	=	98.80%
35) Toluene-d8	6.14	98	90899	10.059	ppb	0.00
Spiked Amount	10.000	Range	89 - 112	Recovery	=	100.60%
57) 4-Bromofluorobenzene	8.54	95	35078	9.901	ppb	0.00
Spiked Amount	10.000	Range	84 - 115	Recovery	=	99.00%
Target Compounds						
						Qvalue
2) Ethanol	1.07	45	3477	No Calib		
4) Dichlorodifluoromethane	1.18	85	388073	105.023	ppb	94
5) Chloromethane	1.32	50	342904	100.091	ppb	98
6) Vinyl chloride	1.40	62	343106	105.570	ppb	99
7) Bromomethane	1.63	94	145665	96.389	ppb	96
8) Chloroethane	1.70	64	161462	94.730	ppb	97
9) Trichlorofluoromethane	1.89	101	526041m	103.817	ppb	
10) 2-Propanol	2.99	45	43581	No Calib		
11) Acetone	2.39	58	143031	434.249	ppb	99
12) 1,1-Dichloroethene	2.32	96	286455	95.252	ppb	# 81
13) Hexane	3.21	57	301980	96.057	ppb	95
14) Methylene chloride	2.74	84	292512	101.987	ppb	86
15) t-Butyl alcohol (TBA)	2.87	59	232366	502.749	ppb	88
16) Methyl t-butyl ether (...)	2.99	73	884496	100.931	ppb	97
17) trans-1,2-Dichloroethene	2.97	96	309333	97.177	ppb	86
18) Diisopropyl ether (DIPE)	3.40	45	798020	99.558	ppb	94
19) 1,1-Dichloroethane	3.32	63	478445	98.993	ppb	98
20) Ethyl t-butyl ether (E...)	3.70	87	389953	101.717	ppb	85
21) 2,2-Dichloropropane	3.81	77	287714	98.803	ppb	97
22) cis-1,2-Dichloroethene	3.81	96	333322	96.730	ppb	# 81
23) Chloroform	4.08	83	525861	100.511	ppb	99
24) 2-Butanone (MEK)	3.83	43	797553	475.073	ppb	95
25) t-Amyl methyl ether (T...)	4.65	73	881321	101.386	ppb	99
26) 1,2-Dichloroethane (EDC)	4.56	62	395528	100.066	ppb	95
27) 1,1,1-Trichloroethane	4.23	97	480273	100.003	ppb	94
28) 1,1-Dichloropropene	4.37	75	404433	100.046	ppb	91
29) Carbon tetrachloride	4.37	117	446189	103.206	ppb	93
31) Benzene	4.54	78	1162480	100.236	ppb	95
32) Trichloroethene	5.09	95	322900	95.995	ppb	79
33) 1,2-Dichloropropane	5.28	63	265341	103.419	ppb	96
34) Bromodichloromethane	5.51	83	403512	103.621	ppb	97
36) Dibromomethane	5.37	93	198910	102.211	ppb	84

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110816.D
 Acq On : 8 Nov 2022 3:19 pm
 Operator : LM
 Sample : 100 ppb 8260 ICAL 67-177S
 Misc : soil/water
 ALS Vial : 14 Sample Multiplier: 1
 InstName : GCMS4

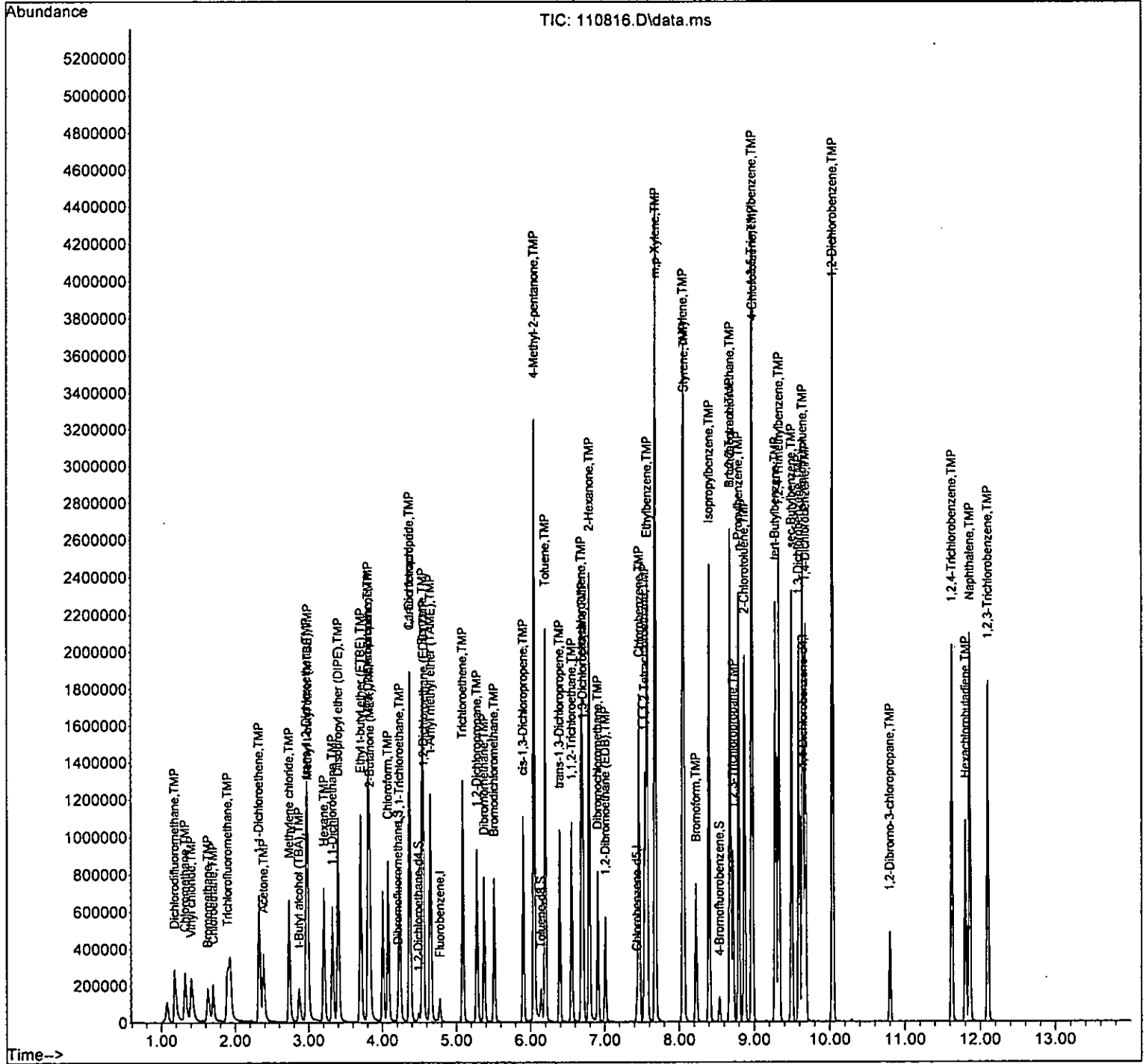
Quant Time: Nov 08 16:47:45 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	6.05	85	365575	527.038	ppb	# 77
38) cis-1,3-Dichloropropene	5.90	75	470466	103.435	ppb	94
40) Toluene	6.20	92	750706	99.805	ppb	99
41) trans-1,3-Dichloropropene	6.39	75	442865	103.055	ppb	95
42) 1,1,2-Trichloroethane	6.56	83	227763	99.980	ppb	88
43) 2-Hexanone	6.79	43	1253821	503.420	ppb	95
44) 1,3-Dichloropropane	6.70	76	448818	103.075	ppb	99
45) Tetrachloroethene	6.69	164	336789	100.570	ppb	98
46) Dibromochloromethane	6.91	129	365527	102.353	ppb	99
47) 1,2-Dibromoethane (EDB)	7.01	107	313938	101.431	ppb	98
48) Chlorobenzene	7.47	112	885680	99.251	ppb	88
49) Ethylbenzene	7.57	91	1410043	98.315	ppb	93
50) 1,1,1,2-Tetrachloroethane	7.54	131	336104	101.613	ppb	96
51) m,p-Xylene	7.68	106	1162563	200.512	ppb	89
52) o-Xylene	8.05	106	560722	97.329	ppb	90
53) Styrene	8.06	104	992092	101.462	ppb	87
54) Isopropylbenzene	8.40	105	1432180	98.113	ppb	95
55) Bromoform	8.22	173	315757	103.290	ppb	98
58) n-Propylbenzene	8.79	91	1585005	99.118	ppb	94
59) Bromobenzene	8.68	156	464555	100.404	ppb	# 85
60) 1,3,5-Trimethylbenzene	8.97	105	1206215	102.196	ppb	89
61) 1,1,2,2-Tetrachloroethane	8.68	83	419631	103.042	ppb	97
62) 1,2,3-Trichloropropane	8.72	75	308533	100.038	ppb	100
63) 2-Chlorotoluene	8.87	91	951436	99.668	ppb	87
64) 4-Chlorotoluene	8.98	91	1158101	101.737	ppb	84
65) tert-Butylbenzene	9.28	119	1048786	100.657	ppb	86
66) 1,2,4-Trimethylbenzene	9.33	105	1231028	100.150	ppb	92
67) sec-Butylbenzene	9.49	105	1413201	101.025	ppb	93
68) p-Isopropyltoluene	9.64	119	1292181	101.272	ppb	91
69) 1,3-Dichlorobenzene	9.59	146	822900	100.290	ppb	96
70) 1,4-Dichlorobenzene	9.68	146	841681	99.443	ppb	94
71) 1,2-Dichlorobenzene	10.04	146	815960	101.263	ppb	94
72) 1,2-Dibromo-3-chloropr...	10.80	75	91462	108.328	ppb	# 64
73) 1,2,4-Trichlorobenzene	11.62	180	624412	102.969	ppb	98
74) Hexachlorobutadiene	11.81	225	238986	102.239	ppb	98
75) Naphthalene	11.86	128	1583066	105.976	ppb	99
76) 1,2,3-Trichlorobenzene	12.10	180	595837	103.818	ppb	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110816.D
 Acq On : 8 Nov 2022 3:19 pm
 Operator : LM
 Sample : 100 ppb 8260 ICAL 67-177S
 Misc : soil/water
 ALS Vial : 14 Sample Multiplier: 1
 InstName : GCMS4

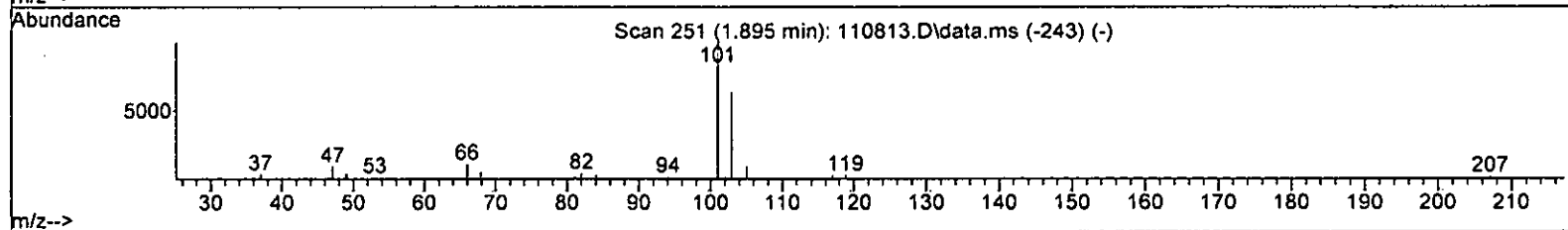
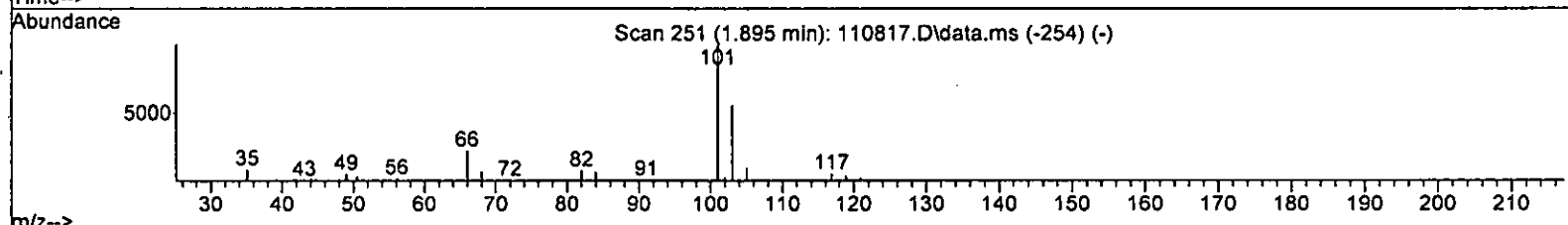
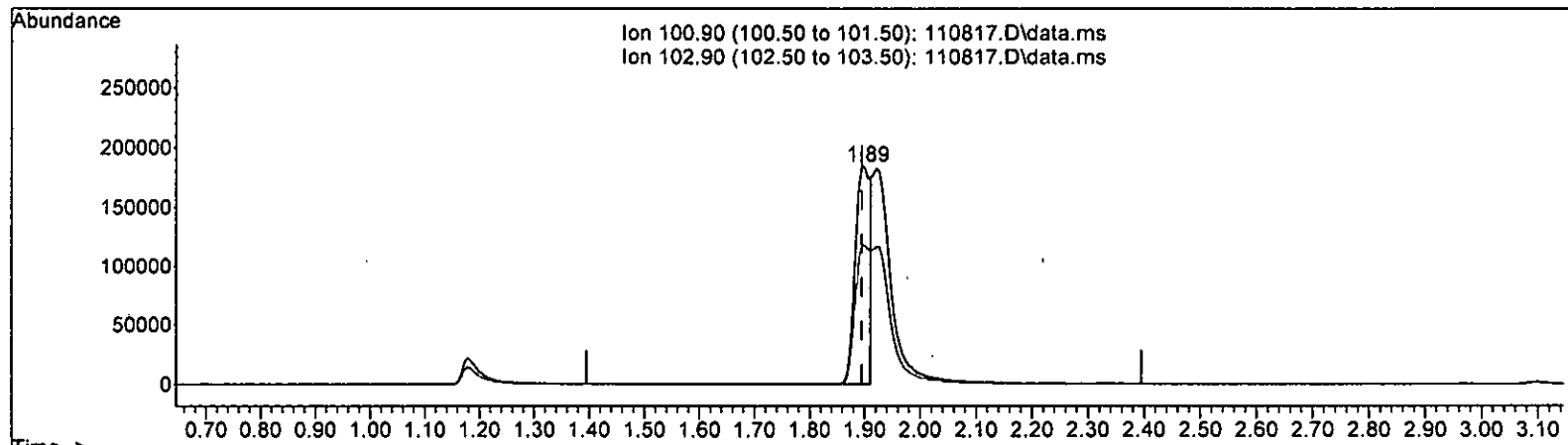
Quant Time: Nov 08 16:47:45 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110817.D
 Acq On : 8 Nov 2022 3:43 pm
 Operator : LM
 Sample : 150 ppb 8260 ICAL 67-177T
 Misc : soil/water
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:47 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



TIC: 110817.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.895min (-0.000) 70.941 ppb

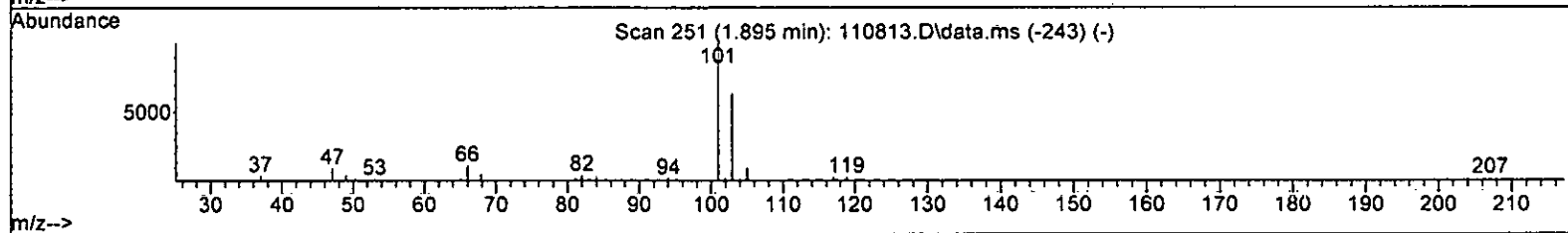
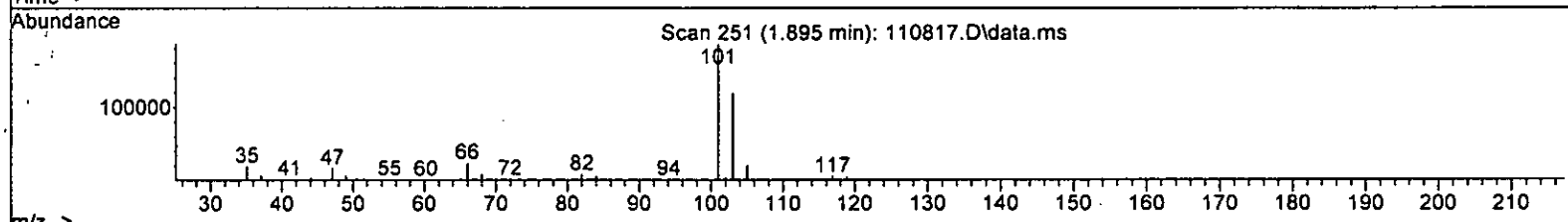
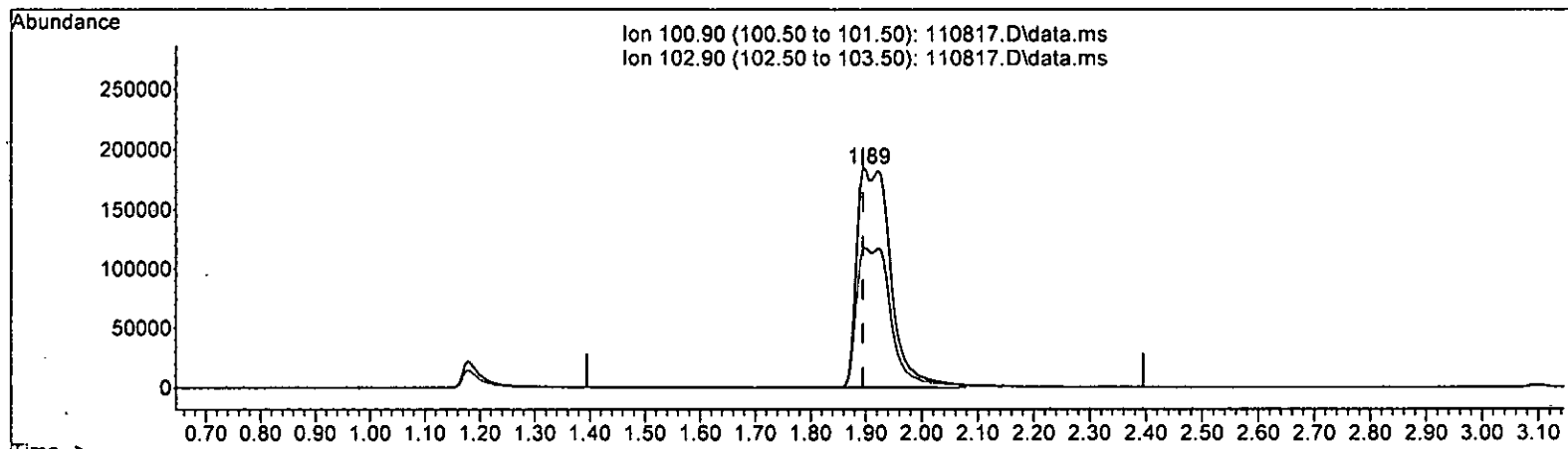
response 347724

Ion	Exp%	Act%
100.90	100.00	100.00
102.90	61.00	64.13
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110817.D
 Acq On : 8 Nov 2022 3:43 pm
 Operator : LM
 Sample : 150 ppb 8260 ICAL 67-177T
 Misc : soil/water
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:47 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



TIC: 110817.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.895min (-0.000) 157.171 ppb m

response 770394

Ion	Exp%	Act%
100.90	100.00	100.00
102.90	61.00	64.13
0.00	0.00	0.00
0.00	0.00	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110817.D
 Acq On : 8 Nov 2022 3:43 pm
 Operator : LM
 Sample : 150 ppb 8260 ICAL 67-177T
 Misc : soil/water
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:47 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2 TMP	Ethanol	-1.000	0.000	0.0	100	0.01
3 S	Dibromofluoromethane	10.000	10.127	-1.3	100	0.00
4 TMP	Dichlorodifluoromethane	150.000	160.779	-7.2	100	0.00
5 TMP	Chloromethane	150.000	148.531	1.0	100	0.00
6 TMP	Vinyl chloride	150.000	159.278	-6.2	100	0.00
7 TMP	Bromomethane	-1.000	222.203	0.0	0	0.00
8 TMP	Chloroethane	150.000	157.706	-5.1	100	0.00
9 TMP	Trichlorofluoromethane	150.000	157.171	-4.8	100	0.00
10 TMP	2-Propanol	-1.000	0.000	0.0	0	0.00
11 TMP	Acetone	750.000	803.076	-7.1	100	0.00
12 TMP	1,1-Dichloroethene	150.000	142.474	5.0	100	0.00
13 TMP	Hexane	150.000	141.811	5.5	100	0.00
14 TMP	Methylene chloride	150.000	152.590	-1.7	100	0.00
15 TMP	t-Butyl alcohol (TBA)	750.000	733.923	2.1	100	0.00
16 TMP	Methyl t-butyl ether (MTBE)	150.000	153.425	-2.3	100	0.00
17 TMP	trans-1,2-Dichloroethene	150.000	145.930	2.7	100	0.00
18 TMP	Diisopropyl ether (DIPE)	150.000	150.383	-0.3	100	0.00
19 TMP	1,1-Dichloroethane	150.000	148.989	0.7	100	0.00
20 TMP	Ethyl t-butyl ether (ETBE)	150.000	150.798	-0.5	100	0.00
21 TMP	2,2-Dichloropropane	150.000	147.839	1.4	100	0.00
22 TMP	cis-1,2-Dichloroethene	150.000	146.157	2.6	100	0.00
23 TMP	Chloroform	150.000	150.273	-0.2	100	0.00
24 TMP	2-Butanone (MEK)	750.000	831.242	-10.8	100	0.00
25 TMP	t-Amyl methyl ether (TAME)	150.000	150.248	-0.2	100	0.00
26 TMP	1,2-Dichloroethane (EDC)	150.000	147.961	1.4	100	0.00
27 TMP	1,1,1-Trichloroethane	150.000	149.626	0.2	100	0.00
28 TMP	1,1-Dichloropropene	150.000	149.577	0.3	100	0.00
29 TMP	Carbon tetrachloride	150.000	154.332	-2.9	100	0.00
30 S	1,2-Dichloroethane-d4	10.000	9.950	0.5	100	0.00
31 TMP	Benzene	150.000	149.122	0.6	100	0.00
32 TMP	Trichloroethene	150.000	157.173	-4.8	100	0.00
33 TMP	1,2-Dichloropropane	150.000	153.516	-2.3	100	0.00
34 TMP	Bromodichloromethane	150.000	155.296	-3.5	100	0.00
35 S	Toluene-d8	10.000	10.148	-1.5	100	0.00
36 TMP	Dibromomethane	150.000	151.439	-1.0	100	0.00
37 TMP	4-Methyl-2-pentanone	750.000	769.200	-2.6	100	0.00
38 TMP	cis-1,3-Dichloropropene	150.000	154.670	-3.1	100	0.00
39 I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40 TMP	Toluene	150.000	150.461	-0.3	100	0.00
41 TMP	trans-1,3-Dichloropropene	150.000	152.634	-1.8	100	0.00
42 TMP	1,1,2-Trichloroethane	150.000	147.481	1.7	100	0.00
43 TMP	2-Hexanone	750.000	741.346	1.2	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110817.D
 Acq On : 8 Nov 2022 3:43 pm
 Operator : LM
 Sample : 150 ppb 8260 ICAL 67-177T
 Misc : soil/water
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:47 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	150.000	151.813	-1.2	100	0.00
45 TMP Tetrachloroethene	150.000	150.063	-0.0	100	0.00
46 TMP Dibromochloromethane	150.000	149.415	0.4	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	150.000	150.342	-0.2	100	0.00
48 TMP Chlorobenzene	150.000	148.630	0.9	100	0.00
49 TMP Ethylbenzene	150.000	147.471	1.7	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	150.000	153.290	-2.2	100	0.00
51 TMP m,p-Xylene	300.000	301.563	-0.5	100	0.00
52 TMP o-Xylene	150.000	148.379	1.1	100	0.00
53 TMP Styrene	150.000	153.291	-2.2	100	0.00
54 TMP Isopropylbenzene	150.000	149.367	0.4	100	0.00
55 TMP Bromoform	150.000	149.635	0.2	100	0.00
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	10.000	9.965	0.4	100	0.00
58 TMP n-Propylbenzene	150.000	144.973	3.4	100	0.00
59 TMP Bromobenzene	150.000	145.203	3.2	100	0.00
60 TMP 1,3,5-Trimethylbenzene	150.000	151.604	-1.1	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	150.000	132.623	11.6	100	0.00
62 TMP 1,2,3-Trichloropropane	150.000	142.849	4.8	100	0.00
63 TMP 2-Chlorotoluene	150.000	146.287	2.5	100	0.00
64 TMP 4-Chlorotoluene	150.000	149.830	0.1	100	0.00
65 TMP tert-Butylbenzene	150.000	147.958	1.4	100	0.00
66 TMP 1,2,4-Trimethylbenzene	150.000	148.311	1.1	100	0.00
67 TMP sec-Butylbenzene	150.000	148.170	1.2	100	0.00
68 TMP p-Isopropyltoluene	150.000	148.719	0.9	100	0.00
69 TMP 1,3-Dichlorobenzene	150.000	147.521	1.7	100	0.00
70 TMP 1,4-Dichlorobenzene	150.000	148.091	1.3	100	0.00
71 TMP 1,2-Dichlorobenzene	150.000	149.796	0.1	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	150.000	156.965	-4.6	100	0.00
73 TMP 1,2,4-Trichlorobenzene	150.000	140.944	6.0	100	0.00
74 TMP Hexachlorobutadiene	150.000	135.805	9.5	100	0.00
75 TMP Naphthalene	150.000	147.126	1.9	100	0.00
76 TMP 1,2,3-Trichlorobenzene	150.000	139.550	7.0	100	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110817.D
 Acq On : 8 Nov 2022 3:43 pm
 Operator : LM
 Sample : 150 ppb 8260 ICAL 67-177T
 Misc : soil/water
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:47 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2 TMP	Ethanol	0.000	0.000#	0.0	100	0.01
3 S	Dibromofluoromethane	0.275	0.278	-1.1	100	0.00
4 TMP	Dichlorodifluoromethane	0.410	0.439	-7.1	100	0.00
5 TMP	Chloromethane	0.380	0.376	1.1	100	0.00
6 TMP	Vinyl chloride	0.360	0.383	-6.4	100	0.00
7 TMP	Bromomethane	0.168	0.000#	100.0#	0#	0.00
8 TMP	Chloroethane	0.189	0.199	-5.3	100	0.00
9 TMP	Trichlorofluoromethane	0.562	0.589	-4.8	100	0.00
10 TMP	2-Propanol	0.000	0.000	0.0	0#	0.00
11 TMP	Acetone	0.037	0.052	-40.5#	100	0.00
12 TMP	1,1-Dichloroethene	0.333	0.317	4.8	100	0.00
13 TMP	Hexane	0.348	0.329	5.5	100	0.00
14 TMP	Methylene chloride	0.369	0.322	12.7	100	0.00
15 TMP	t-Butyl alcohol (TBA)	0.051	0.050	2.0	100	0.00
16 TMP	Methyl t-butyl ether (MTBE)	0.971	0.994	-2.4	100	0.00
17 TMP	trans-1,2-Dichloroethene	0.353	0.343	2.8	100	0.00
18 TMP	Diisopropyl ether (DIPE)	0.889	0.891	-0.2	100	0.00
19 TMP	1,1-Dichloroethane	0.536	0.532	0.7	100	0.00
20 TMP	Ethyl t-butyl ether (ETBE)	0.425	0.427	-0.5	100	0.00
21 TMP	2,2-Dichloropropane	0.352	0.308	12.5	100	0.00
22 TMP	cis-1,2-Dichloroethene	0.382	0.372	2.6	100	0.00
23 TMP	Chloroform	0.583	0.581	0.3	100	0.00
24 TMP	2-Butanone (MEK)	0.186	0.206	-10.8	100	0.00
25 TMP	t-Amyl methyl ether (TAME)	0.964	0.965	-0.1	100	0.00
26 TMP	1,2-Dichloroethane (EDC)	0.438	0.432	1.4	100	0.00
27 TMP	1,1,1-Trichloroethane	0.532	0.531	0.2	100	0.00
28 TMP	1,1-Dichloropropene	0.448	0.447	0.2	100	0.00
29 TMP	Carbon tetrachloride	0.479	0.493	-2.9	100	0.00
30 S	1,2-Dichloroethane-d4	0.063	0.063	0.0	100	0.00
31 TMP	Benzene	1.286	1.278	0.6	100	0.00
32 TMP	Trichloroethene	0.373	0.391	-4.8	100	0.00
33 TMP	1,2-Dichloropropane	0.284	0.291	-2.5	100	0.00
34 TMP	Bromodichloromethane	0.432	0.447	-3.5	100	0.00
35 S	Toluene-d8	1.002	1.017	-1.5	100	0.00
36 TMP	Dibromomethane	0.216	0.218	-0.9	100	0.00
37 TMP	4-Methyl-2-pentanone	0.077	0.079	-2.6	100	0.00
38 TMP	cis-1,3-Dichloropropene	0.504	0.520	-3.2	100	0.00
39 I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40 TMP	Toluene	0.968	0.971	-0.3	100	0.00
41 TMP	trans-1,3-Dichloropropene	0.553	0.563	-1.8	100	0.00
42 TMP	1,1,2-Trichloroethane	0.293	0.288	1.7	100	0.00
43 TMP	2-Hexanone	0.320	0.317	0.9	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110817.D
 Acq On : 8 Nov 2022 3:43 pm
 Operator : LM
 Sample : 150 ppb 8260 ICAL 67-177T
 Misc : soil/water
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:47 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.560	0.567	-1.2	100	0.00
45 TMP Tetrachloroethene	0.431	0.431	0.0	100	0.00
46 TMP Dibromochloromethane	0.429	0.476	-11.0	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	0.398	0.399	-0.3	100	0.00
48 TMP Chlorobenzene	1.148	1.138	0.9	100	0.00
49 TMP Ethylbenzene	1.845	1.814	1.7	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.426	0.435	-2.1	100	0.00
51 TMP m,p-Xylene	0.746	0.750	-0.5	100	0.00
52 TMP o-Xylene	0.741	0.733	1.1	100	0.00
53 TMP Styrene	1.258	1.286	-2.2	100	0.00
54 TMP Isopropylbenzene	1.878	1.870	0.4	100	0.00
55 TMP Bromoform	0.362	0.418	-15.5	100	0.00
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	0.701	0.699	0.3	100	0.00
58 TMP n-Propylbenzene	3.165	3.059	3.3	100	0.00
59 TMP Bromobenzene	0.916	0.887	3.2	100	0.00
60 TMP 1,3,5-Trimethylbenzene	2.336	2.361	-1.1	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.806	0.713	11.5	100	0.00
62 TMP 1,2,3-Trichloropropane	0.610	0.581	4.8	100	0.00
63 TMP 2-Chlorotoluene	1.890	1.843	2.5	100	0.00
64 TMP 4-Chlorotoluene	2.253	2.251	0.1	100	0.00
65 TMP tert-Butylbenzene	2.062	2.034	1.4	100	0.00
66 TMP 1,2,4-Trimethylbenzene	2.433	2.406	1.1	100	0.00
67 TMP sec-Butylbenzene	2.769	2.735	1.2	100	0.00
68 TMP p-Isopropyltoluene	2.526	2.504	0.9	100	0.00
69 TMP 1,3-Dichlorobenzene	1.624	1.597	1.7	100	0.00
70 TMP 1,4-Dichlorobenzene	1.675	1.654	1.3	100	0.00
71 TMP 1,2-Dichlorobenzene	1.595	1.593	0.1	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	0.167	0.175	-4.8	100	0.00
73 TMP 1,2,4-Trichlorobenzene	1.200	1.128	6.0	100	0.00
74 TMP Hexachlorobutadiene	0.463	0.419	9.5	100	0.00
75 TMP Naphthalene	2.957	2.900	1.9	100	0.00
76 TMP 1,2,3-Trichlorobenzene	1.136	1.057	7.0	100	0.00

(#) = Out of Range

SPCC's out = 2 CCC's out = 0

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110817.D
 Acq On : 8 Nov 2022 3:43 pm
 Operator : LM
 Sample : 150 ppb 8260 ICAL 67-177T
 Misc : soil/water
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:47 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	4.78	96	87265	10.000	ppb	0.00	
39) Chlorobenzene-d5	7.43	117	74546	10.000	ppb	0.00	
56) 1,4-Dichlorobenzene-d4	9.66	152	50457	10.000	ppb	# 0.00	
System Monitoring Compounds							
3) Dibromofluoromethane	4.21	113	24293	10.127	ppb	0.00	
Spiked Amount	10.000	Range	0 - 1000	Recovery	=	101.30%	
30) 1,2-Dichloroethane-d4	4.49	102	5513	9.950	ppb	0.00	
Spiked Amount	10.000	Range	90 - 109	Recovery	=	99.50%	
35) Toluene-d8	6.14	98	88713	10.148	ppb	0.00	
Spiked Amount	10.000	Range	89 - 112	Recovery	=	101.50%	
57) 4-Bromofluorobenzene	8.54	95	35262	9.965	ppb	0.00	
Spiked Amount	10.000	Range	84 - 115	Recovery	=	99.70%	
Target Compounds							
2) Ethanol	1.08	45	1012	No Calib	#		
4) Dichlorodifluoromethane	1.18	85	574708	160.779	ppb	94	
5) Chloromethane	1.32	50	492248	148.531	ppb	99	
6) Vinyl chloride	1.40	62	500765	159.278	ppb	100	
7) Bromomethane	1.63	94	324838	222.203	ppb	93	
8) Chloroethane	1.70	64	260028	157.706	ppb	97	
9) Trichlorofluoromethane	1.89	101	770394m	157.171	ppb		
10) 2-Propanol	2.98	45	62342	No Calib			
11) Acetone	2.39	58	341517	803.076	ppb	95	
12) 1,1-Dichloroethene	2.33	96	414485	142.474	ppb	# 78	
13) Hexane	3.21	57	431268	141.811	ppb	95	
14) Methylene chloride	2.74	84	421186	152.590	ppb	86	
15) t-Butyl alcohol (TBA)	2.87	59	328142	733.923	ppb	90	
16) Methyl t-butyl ether (...)	2.98	73	1300634	153.425	ppb	96	
17) trans-1,2-Dichloroethene	2.97	96	449363	145.930	ppb	# 82	
18) Diisopropyl ether (DIPE)	3.40	45	1166073	150.383	ppb	93	
19) 1,1-Dichloroethane	3.32	63	696583	148.989	ppb	98	
20) Ethyl t-butyl ether (E...)	3.70	87	559249	150.798	ppb	84	
21) 2,2-Dichloropropane	3.81	77	403341	147.839	ppb	97	
22) cis-1,2-Dichloroethene	3.81	96	487204	146.157	ppb	# 82	
23) Chloroform	4.08	83	760523	150.273	ppb	99	
24) 2-Butanone (MEK)	3.83	43	1349946	831.242	ppb	95	
25) t-Amyl methyl ether (T...)	4.65	73	1263441	150.248	ppb	99	
26) 1,2-Dichloroethane (EDC)	4.56	62	565757	147.961	ppb	95	
27) 1,1,1-Trichloroethane	4.23	97	695143	149.626	ppb	94	
28) 1,1-Dichloropropene	4.37	75	584925	149.577	ppb	92	
29) Carbon tetrachloride	4.37	117	645448	154.332	ppb	92	
31) Benzene	4.54	78	1672993	149.122	ppb	94	
32) Trichloroethene	5.09	95	511431	157.173	ppb	# 76	
33) 1,2-Dichloropropane	5.28	63	381020	153.516	ppb	96	
34) Bromodichloromethane	5.51	83	585005	155.296	ppb	96	
36) Dibromomethane	5.37	93	285094	151.439	ppb	84	

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110817.D
 Acq On : 8 Nov 2022 3:43 pm
 Operator : LM
 Sample : 150 ppb 8260 ICAL 67-177T
 Misc : soil/water
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS4

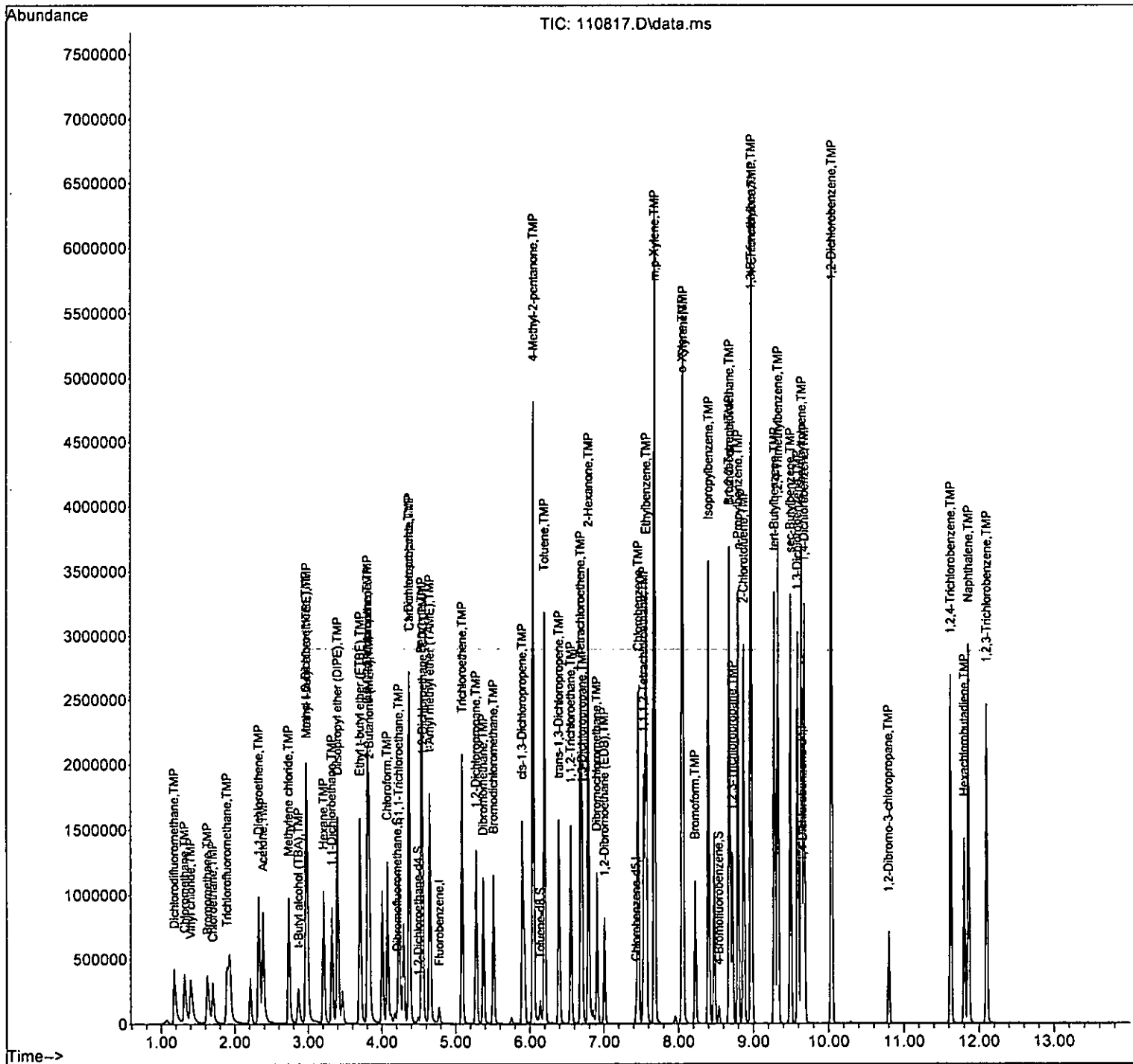
Quant Time: Nov 08 16:47:47 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	6.05	85	516136	769.200	ppb	# 77
38) cis-1,3-Dichloropropene	5.90	75	680547	154.670	ppb	94
40) Toluene	6.20	92	1085409	150.461	ppb	98
41) trans-1,3-Dichloropropene	6.39	75	629083	152.634	ppb	95
42) 1,1,2-Trichloroethane	6.55	83	322225	147.481	ppb	89
43) 2-Hexanone	6.79	43	1770836	741.346	ppb	95
44) 1,3-Dichloropropane	6.71	76	633988	151.813	ppb	99
45) Tetrachloroethene	6.69	164	481966	150.063	ppb	99
46) Dibromochloromethane	6.91	129	532565	149.415	ppb	100
47) 1,2-Dibromoethane (EDB)	7.01	107	446276	150.342	ppb	96
48) Chlorobenzene	7.47	112	1272043	148.630	ppb	88
49) Ethylbenzene	7.57	91	2028479	147.471	ppb	93
50) 1,1,1,2-Tetrachloroethane	7.54	131	486283	153.290	ppb	97
51) m,p-Xylene	7.68	106	1676896	301.563	ppb	90
52) o-Xylene	8.05	106	819845	148.379	ppb	88
53) Styrene	8.06	104	1437539	153.291	ppb	90
54) Isopropylbenzene	8.40	105	2091106	149.367	ppb	94
55) Bromoform	8.22	173	466928	149.635	ppb	98
58) n-Propylbenzene	8.80	91	2315334	144.973	ppb	92
59) Bromobenzene	8.68	156	670981	145.203	ppb	85
60) 1,3,5-Trimethylbenzene	8.97	105	1787109	151.604	ppb	88
61) 1,1,2,2-Tetrachloroethane	8.68	83	539413	132.623	ppb	97
62) 1,2,3-Trichloropropane	8.72	75	440009	142.849	ppb	99
63) 2-Chlorotoluene	8.87	91	1394700	146.287	ppb	89
64) 4-Chlorotoluene	8.98	91	1703393	149.830	ppb	87
65) tert-Butylbenzene	9.28	119	1539673	147.958	ppb	86
66) 1,2,4-Trimethylbenzene	9.33	105	1820708	148.311	ppb	92
67) sec-Butylbenzene	9.49	105	2070080	148.170	ppb	93
68) p-Isopropyltoluene	9.64	119	1895177	148.719	ppb	92
69) 1,3-Dichlorobenzene	9.59	146	1208902	147.521	ppb	96
70) 1,4-Dichlorobenzene	9.68	146	1251852	148.091	ppb	95
71) 1,2-Dichlorobenzene	10.04	146	1205503	149.796	ppb	94
72) 1,2-Dibromo-3-chloropr...	10.80	75	132359	156.965	ppb	# 66
73) 1,2,4-Trichlorobenzene	11.62	180	853611	140.944	ppb	98
74) Hexachlorobutadiene	11.81	225	317045	135.805	ppb	99
75) Naphthalene	11.86	128	2194992	147.126	ppb	99
76) 1,2,3-Trichlorobenzene	12.10	180	799901	139.550	ppb	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110817.D
 Acq On : 8 Nov 2022 3:43 pm
 Operator : LM
 Sample : 150 ppb 8260 ICAL 67-177T
 Misc : soil/water
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:47 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110818.D
 Acq On : 8 Nov 2022 4:07 pm
 Operator : LM
 Sample : 200 ppb 8260 ICAL 67-177U
 Misc : soil/water
 ALS Vial : 16 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:49 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I Fluorobenzene	10.000	10.000	0.0	100	0.00
2 TMP Ethanol	-1.000	0.000	0.0	100	0.00
3 S Dibromofluoromethane	10.000	10.093	-0.9	100	0.00
4 TMP Dichlorodifluoromethane	200.000	217.453	-8.7	100	0.00
5 TMP Chloromethane	200.000	202.726	-1.4	100	0.00
6 TMP Vinyl chloride	200.000	214.441	-7.2	100	0.00
7 TMP Bromomethane	-1.000	196.448	0.0	0	0.00
8 TMP Chloroethane	200.000	194.258	2.9	100	0.00
9 TMP Trichlorofluoromethane	200.000	215.310	-7.7	100	0.02
10 TMP 2-Propanol	-1.000	0.000	0.0	0	0.00
11 TMP Acetone	1000.000	984.873	1.5	100	0.00
12 TMP 1,1-Dichloroethene	200.000	193.732	3.1	100	0.00
13 TMP Hexane	200.000	212.249	-6.1	100	0.00
14 TMP Methylene chloride	200.000	208.160	-4.1	100	0.00
15 TMP t-Butyl alcohol (TBA)	1000.000	997.542	0.2	100	0.00
16 TMP Methyl t-butyl ether (MTBE)	200.000	208.928	-4.5	100	0.00
17 TMP trans-1,2-Dichloroethene	200.000	199.882	0.1	100	0.00
18 TMP Diisopropyl ether (DIPE)	200.000	200.364	-0.2	100	0.00
19 TMP 1,1-Dichloroethane	200.000	202.231	-1.1	100	0.00
20 TMP Ethyl t-butyl ether (ETBE)	200.000	200.482	-0.2	100	0.00
21 TMP 2,2-Dichloropropane	200.000	206.397	-3.2	100	0.00
22 TMP cis-1,2-Dichloroethene	200.000	196.997	1.5	100	0.00
23 TMP Chloroform	200.000	201.234	-0.6	100	0.00
24 TMP 2-Butanone (MEK)	1000.000	1148.351	-14.8	100	0.00
25 TMP t-Amyl methyl ether (TAME)	200.000	204.781	-2.4	100	0.00
26 TMP 1,2-Dichloroethane (EDC)	200.000	200.173	-0.1	100	0.00
27 TMP 1,1,1-Trichloroethane	200.000	200.724	-0.4	100	0.00
28 TMP 1,1-Dichloropropene	200.000	204.390	-2.2	100	0.00
29 TMP Carbon tetrachloride	200.000	210.628	-5.3	100	0.00
30 S 1,2-Dichloroethane-d4	10.000	10.258	-2.6	100	0.00
31 TMP Benzene	200.000	202.231	-1.1	100	0.00
32 TMP Trichloroethene	200.000	217.251	-8.6	100	0.00
33 TMP 1,2-Dichloropropane	200.000	207.720	-3.9	100	0.00
34 TMP Bromodichloromethane	200.000	211.316	-5.7	100	0.00
35 S Toluene-d8	10.000	10.261	-2.6	100	0.00
36 TMP Dibromomethane	200.000	203.691	-1.8	100	0.00
37 TMP 4-Methyl-2-pentanone	1000.000	1052.435	-5.2	100	0.00
38 TMP cis-1,3-Dichloropropene	200.000	208.191	-4.1	100	0.00
39 I Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40 TMP Toluene	200.000	207.013	-3.5	100	0.00
41 TMP trans-1,3-Dichloropropene	200.000	207.365	-3.7	100	0.00
42 TMP 1,1,2-Trichloroethane	200.000	200.690	-0.3	100	0.00
43 TMP 2-Hexanone	1000.000	1005.324	-0.5	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110818.D
 Acq On : 8 Nov 2022 4:07 pm
 Operator : LM
 Sample : 200 ppb 8260 ICAL 67-177U
 Misc : soil/water
 ALS Vial : 16 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:49 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	200.000	204.490	-2.2	100	0.00
45 TMP Tetrachloroethene	200.000	209.724	-4.9	100	0.00
46 TMP Dibromochloromethane	200.000	197.087	1.5	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	200.000	202.415	-1.2	100	0.00
48 TMP Chlorobenzene	200.000	204.009	-2.0	100	0.00
49 TMP Ethylbenzene	200.000	204.372	-2.2	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	200.000	210.932	-5.5	100	0.00
51 TMP m,p-Xylene	400.000	418.652	-4.7	100	0.00
52 TMP o-Xylene	200.000	206.094	-3.0	100	0.00
53 TMP Styrene	200.000	212.285	-6.1	100	0.00
54 TMP Isopropylbenzene	200.000	211.135	-5.6	100	0.00
55 TMP Bromoform	200.000	195.055	2.5	100	0.00
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	10.000	9.524	4.8	100	0.00
58 TMP n-Propylbenzene	200.000	195.029	2.5	100	0.00
59 TMP Bromobenzene	200.000	191.770	4.1	100	0.00
60 TMP 1,3,5-Trimethylbenzene	200.000	205.629	-2.8	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	200.000	170.257	14.9	100	0.00
62 TMP 1,2,3-Trichloropropane	200.000	186.447	6.8	100	0.00
63 TMP 2-Chlorotoluene	200.000	195.437	2.3	100	0.00
64 TMP 4-Chlorotoluene	200.000	200.767	-0.4	100	0.00
65 TMP tert-Butylbenzene	200.000	201.193	-0.6	100	0.00
66 TMP 1,2,4-Trimethylbenzene	200.000	201.840	-0.9	100	0.00
67 TMP sec-Butylbenzene	200.000	205.127	-2.6	100	0.00
68 TMP p-Isopropyltoluene	200.000	208.060	-4.0	100	0.00
69 TMP 1,3-Dichlorobenzene	200.000	200.252	-0.1	100	0.00
70 TMP 1,4-Dichlorobenzene	200.000	200.125	-0.1	100	0.00
71 TMP 1,2-Dichlorobenzene	200.000	202.518	-1.3	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	200.000	211.545	-5.8	100	0.00
73 TMP 1,2,4-Trichlorobenzene	200.000	200.549	-0.3	100	0.00
74 TMP Hexachlorobutadiene	200.000	206.269	-3.1	100	0.00
75 TMP Naphthalene	200.000	205.253	-2.6	100	0.00
76 TMP 1,2,3-Trichlorobenzene	200.000	202.523	-1.3	100	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110818.D
 Acq On : 8 Nov 2022 4:07 pm
 Operator : LM
 Sample : 200 ppb 8260 ICAL 67-177U
 Misc : soil/water
 ALS Vial : 16 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:49 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I Fluorobenzene	1.000	1.000	0.0	100	0.00
2 TMP Ethanol	0.000	0.000#	0.0	100	0.00
3 S Dibromofluoromethane	0.275	0.277	-0.7	100	0.00
4 TMP Dichlorodifluoromethane	0.410	0.445	-8.5	100	0.00
5 TMP Chloromethane	0.380	0.385	-1.3	100	0.00
6 TMP Vinyl chloride	0.360	0.386	-7.2	100	0.00
7 TMP Bromomethane	0.168	0.000#	100.0#	0#	0.00
8 TMP Chloroethane	0.189	0.184	2.6	100	0.00
9 TMP Trichlorofluoromethane	0.562	0.605	-7.7	100	0.02
10 TMP 2-Propanol	0.000	0.000	0.0	0#	0.00
11 TMP Acetone	0.037	0.054	-45.9#	100	0.00
12 TMP 1,1-Dichloroethene	0.333	0.323	3.0	100	0.00
13 TMP Hexane	0.348	0.370	-6.3	100	0.00
14 TMP Methylene chloride	0.369	0.328	11.1	100	0.00
15 TMP t-Butyl alcohol (TBA)	0.051	0.051	0.0	100	0.00
16 TMP Methyl t-butyl ether (MTBE)	0.971	1.015	-4.5	100	0.00
17 TMP trans-1,2-Dichloroethene	0.353	0.353	0.0	100	0.00
18 TMP Diisopropyl ether (DIPE)	0.889	0.890	-0.1	100	0.00
19 TMP 1,1-Dichloroethane	0.536	0.542	-1.1	100	0.00
20 TMP Ethyl t-butyl ether (ETBE)	0.425	0.426	-0.2	100	0.00
21 TMP 2,2-Dichloropropane	0.352	0.310	11.9	100	0.00
22 TMP cis-1,2-Dichloroethene	0.382	0.376	1.6	100	0.00
23 TMP Chloroform	0.583	0.584	-0.2	100	0.00
24 TMP 2-Butanone (MEK)	0.186	0.214	-15.1	100	0.00
25 TMP t-Amyl methyl ether (TAME)	0.964	0.987	-2.4	100	0.00
26 TMP 1,2-Dichloroethane (EDC)	0.438	0.439	-0.2	100	0.00
27 TMP 1,1,1-Trichloroethane	0.532	0.534	-0.4	100	0.00
28 TMP 1,1-Dichloropropene	0.448	0.458	-2.2	100	0.00
29 TMP Carbon tetrachloride	0.479	0.505	-5.4	100	0.00
30 S 1,2-Dichloroethane-d4	0.063	0.065	-3.2	100	0.00
31 TMP Benzene	1.286	1.300	-1.1	100	0.00
32 TMP Trichloroethene	0.373	0.405	-8.6	100	0.00
33 TMP 1,2-Dichloropropane	0.284	0.295	-3.9	100	0.00
34 TMP Bromodichloromethane	0.432	0.456	-5.6	100	0.00
35 S Toluene-d8	1.002	1.028	-2.6	100	0.00
36 TMP Dibromomethane	0.216	0.220	-1.9	100	0.00
37 TMP 4-Methyl-2-pentanone	0.077	0.081	-5.2	100	0.00
38 TMP cis-1,3-Dichloropropene	0.504	0.525	-4.2	100	0.00
39 I Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40 TMP Toluene	0.968	1.002	-3.5	100	0.00
41 TMP trans-1,3-Dichloropropene	0.553	0.573	-3.6	100	0.00
42 TMP 1,1,2-Trichloroethane	0.293	0.294	-0.3	100	0.00
43 TMP 2-Hexanone	0.320	0.322	-0.6	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110818.D
 Acq On : 8 Nov 2022 4:07 pm
 Operator : LM
 Sample : 200 ppb 8260 ICAL 67-177U
 Misc : soil/water
 ALS Vial : 16 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:49 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.560	0.573	-2.3	100	0.00
45 TMP Tetrachloroethene	0.431	0.452	-4.9	100	0.00
46 TMP Dibromochloromethane	0.429	0.490	-14.2	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	0.398	0.403	-1.3	100	0.00
48 TMP Chlorobenzene	1.148	1.171	-2.0	100	0.00
49 TMP Ethylbenzene	1.845	1.886	-2.2	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.426	0.449	-5.4	100	0.00
51 TMP m,p-Xylene	0.746	0.781	-4.7	100	0.00
52 TMP o-Xylene	0.741	0.764	-3.1	100	0.00
53 TMP Styrene	1.258	1.335	-6.1	100	0.00
54 TMP Isopropylbenzene	1.878	1.983	-5.6	100	0.00
55 TMP Bromoform	0.362	0.432	-19.3	100	0.00
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	0.701	0.668	4.7	100	0.00
58 TMP n-Propylbenzene	3.165	3.087	2.5	100	0.00
59 TMP Bromobenzene	0.916	0.878	4.1	100	0.00
60 TMP 1,3,5-Trimethylbenzene	2.336	2.402	-2.8	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.806	0.686	14.9	100	0.00
62 TMP 1,2,3-Trichloropropane	0.610	0.569	6.7	100	0.00
63 TMP 2-Chlorotoluene	1.890	1.846	2.3	100	0.00
64 TMP 4-Chlorotoluene	2.253	2.262	-0.4	100	0.00
65 TMP tert-Butylbenzene	2.062	2.075	-0.6	100	0.00
66 TMP 1,2,4-Trimethylbenzene	2.433	2.455	-0.9	100	0.00
67 TMP sec-Butylbenzene	2.769	2.840	-2.6	100	0.00
68 TMP p-Isopropyltoluene	2.526	2.627	-4.0	100	0.00
69 TMP 1,3-Dichlorobenzene	1.624	1.626	-0.1	100	0.00
70 TMP 1,4-Dichlorobenzene	1.675	1.676	-0.1	100	0.00
71 TMP 1,2-Dichlorobenzene	1.595	1.615	-1.3	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	0.167	0.177	-6.0	100	0.00
73 TMP 1,2,4-Trichlorobenzene	1.200	1.204	-0.3	100	0.00
74 TMP Hexachlorobutadiene	0.463	0.477	-3.0	100	0.00
75 TMP Naphthalene	2.957	3.034	-2.6	100	0.00
76 TMP 1,2,3-Trichlorobenzene	1.136	1.150	-1.2	100	0.00

(#) = Out of Range

SPCC's out = 2 CCC's out = 0

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110818.D
 Acq On : 8 Nov 2022 4:07 pm
 Operator : LM
 Sample : 200 ppb 8260 ICAL 67-177U
 Misc : soil/water
 ALS Vial : 16 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:49 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	4.78	96	87283	10.000	ppb	0.00	
39) Chlorobenzene-d5	7.44	117	73762	10.000	ppb	0.00	
56) 1,4-Dichlorobenzene-d4	9.66	152	52648	10.000	ppb	# 0.00	
System Monitoring Compounds							
3) Dibromofluoromethane	4.21	113	24218	10.093	ppb	0.00	
Spiked Amount	10.000	Range	0 - 1000	Recovery	=	100.90%	
30) 1,2-Dichloroethane-d4	4.49	102	5685	10.258	ppb	0.00	
Spiked Amount	10.000	Range	90 - 109	Recovery	=	102.60%	
35) Toluene-d8	6.14	98	89715	10.261	ppb	0.00	
Spiked Amount	10.000	Range	89 - 112	Recovery	=	102.60%	
57) 4-Bromofluorobenzene	8.54	95	35165	9.524	ppb	0.00	
Spiked Amount	10.000	Range	84 - 115	Recovery	=	95.20%	
Target Compounds							
							Qvalue
2) Ethanol	1.07	45	1486	No Calib	#		
4) Dichlorodifluoromethane	1.18	85	777451	217.453	ppb		95
5) Chloromethane	1.32	50	671998	202.726	ppb		100
6) Vinyl chloride	1.40	62	674333	214.441	ppb		99
7) Bromomethane	1.63	94	287246	196.448	ppb		96
8) Chloroethane	1.70	64	320361	194.258	ppb		97
9) Trichlorofluoromethane	1.92	101	1055586	215.310	ppb		93
10) 2-Propanol	2.99	45	84259	No Calib			
11) Acetone	2.39	58	471174	984.873	ppb		95
12) 1,1-Dichloroethene	2.32	96	563721	193.732	ppb		83
13) Hexane	3.21	57	645615	212.249	ppb		94
14) Methylene chloride	2.74	84	573092	208.160	ppb		87
15) t-Butyl alcohol (TBA)	2.87	59	446100	997.542	ppb		89
16) Methyl t-butyl ether (...)	2.99	73	1771524	208.928	ppb		96
17) trans-1,2-Dichloroethene	2.97	96	615625	199.882	ppb		82
18) Diisopropyl ether (DIPE)	3.40	45	1553941	200.364	ppb		94
19) 1,1-Dichloroethane	3.32	63	945706	202.231	ppb		99
20) Ethyl t-butyl ether (E...)	3.70	87	743659	200.482	ppb		85
21) 2,2-Dichloropropane	3.81	77	541544	206.397	ppb		97
22) cis-1,2-Dichloroethene	3.81	96	656814	196.997	ppb	#	82
23) Chloroform	4.08	83	1018623	201.234	ppb		99
24) 2-Butanone (MEK)	3.83	43	1865320	1148.351	ppb		95
25) t-Amyl methyl ether (T...)	4.65	73	1722363	204.781	ppb		99
26) 1,2-Dichloroethane (EDC)	4.56	62	765559	200.173	ppb		94
27) 1,1,1-Trichloroethane	4.23	97	932731	200.724	ppb		94
28) 1,1-Dichloropropene	4.37	75	799441	204.390	ppb		90
29) Carbon tetrachloride	4.37	117	881073	210.628	ppb		93
31) Benzene	4.54	78	2269280	202.231	ppb		95
32) Trichloroethene	5.09	95	707067	217.251	ppb	#	78
33) 1,2-Dichloropropane	5.28	63	515659	207.720	ppb		96
34) Bromodichloromethane	5.51	83	796199	211.316	ppb		97
36) Dibromomethane	5.37	93	383541	203.691	ppb		85

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110818.D
 Acq On : 8 Nov 2022 4:07 pm
 Operator : LM
 Sample : 200 ppb 8260 ICAL 67-177U
 Misc : soil/water
 ALS Vial : 16 Sample Multiplier: 1
 InstName : GCMS4

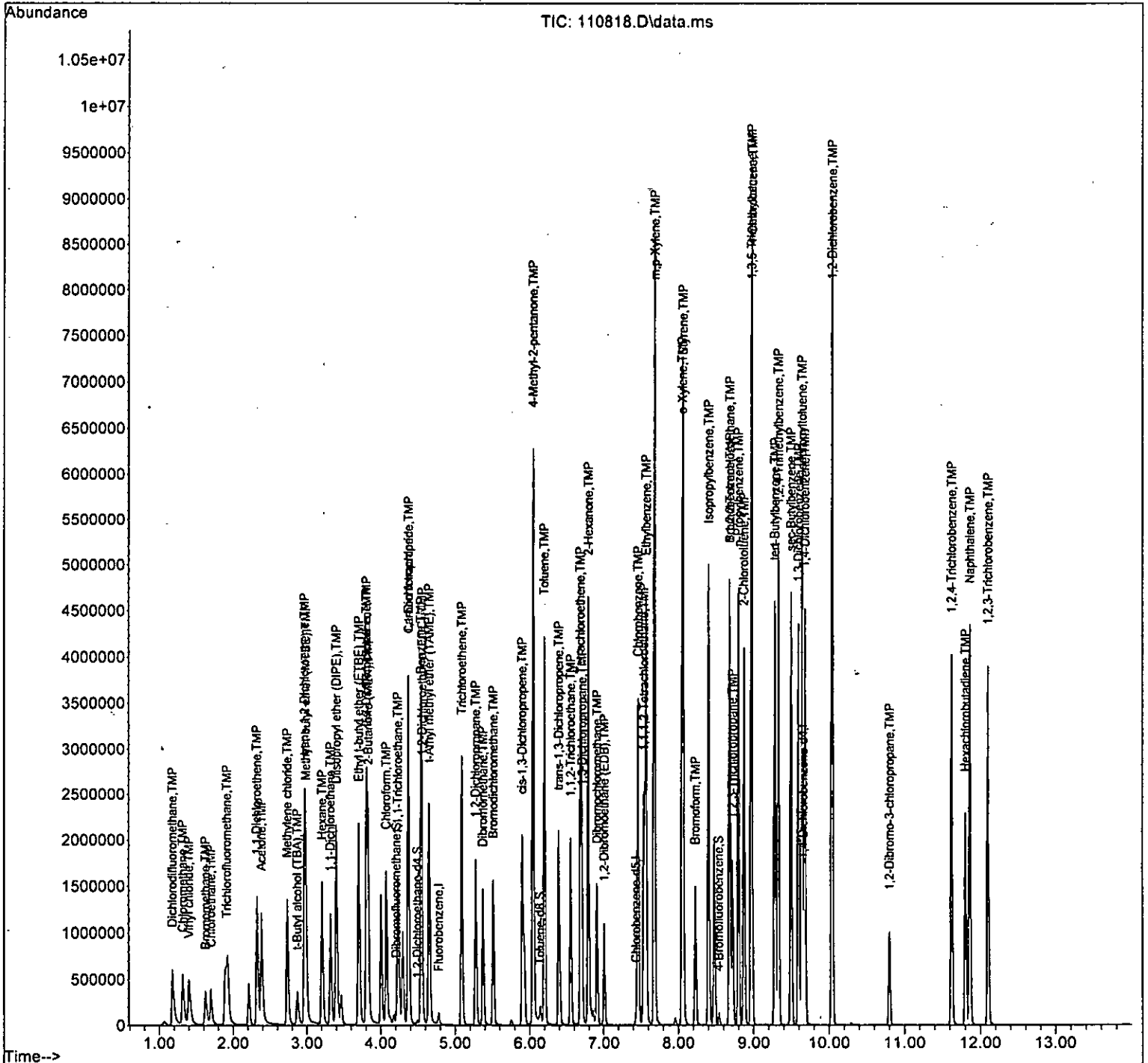
Quant Time: Nov 08 16:47:49 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	6.05	85	706333	1052.435	ppb	# 76
38) cis-1,3-Dichloropropene	5.90	75	916228	208.191	ppb	95
40) Toluene	6.20	92	1477659	207.013	ppb	98
41) trans-1,3-Dichloropropene	6.39	75	845669	207.365	ppb	96
42) 1,1,2-Trichloroethane	6.55	83	433868	200.690	ppb	89
43) 2-Hexanone	6.79	43	2376138	1005.324	ppb	95
44) 1,3-Dichloropropane	6.71	76	844988	204.490	ppb	100
45) Tetrachloroethene	6.69	164	666496	209.724	ppb	99
46) Dibromochloromethane	6.91	129	722578	197.087	ppb	98
47) 1,2-Dibromoethane (EDB)	7.01	107	594533	202.415	ppb	96
48) Chlorobenzene	7.46	112	1727644	204.009	ppb	89
49) Ethylbenzene	7.57	91	2781599	204.372	ppb	94
50) 1,1,1,2-Tetrachloroethane	7.54	131	662104	210.932	ppb	95
51) m,p-Xylene	7.68	106	2303507	418.652	ppb	87
52) o-Xylene	8.05	106	1126763	206.094	ppb	89
53) Styrene	8.06	104	1969842	212.285	ppb	91
54) Isopropylbenzene	8.40	105	2924753	211.135	ppb	94
55) Bromoform	8.23	173	637920	195.055	ppb	97
58) n-Propylbenzene	8.80	91	3250023	195.029	ppb	92
59) Bromobenzene	8.68	156	924648	191.770	ppb	# 80
60) 1,3,5-Trimethylbenzene	8.97	105	2529216	205.629	ppb	87
61) 1,1,2,2-Tetrachloroethane	8.68	83	722551	170.257	ppb	97
62) 1,2,3-Trichloropropane	8.72	75	599242	186.447	ppb	99
63) 2-Chlorotoluene	8.87	91	1944207	195.437	ppb	90
64) 4-Chlorotoluene	8.98	91	2381591	200.767	ppb	88
65) tert-Butylbenzene	9.28	119	2184564	201.193	ppb	88
66) 1,2,4-Trimethylbenzene	9.33	105	2585446	201.840	ppb	93
67) sec-Butylbenzene	9.49	105	2990264	205.127	ppb	94
68) p-Isopropyltoluene	9.64	119	2766512	208.060	ppb	92
69) 1,3-Dichlorobenzene	9.59	146	1712282	200.252	ppb	95
70) 1,4-Dichlorobenzene	9.68	146	1765164	200.125	ppb	95
71) 1,2-Dichlorobenzene	10.04	146	1700562	202.518	ppb	94
72) 1,2-Dibromo-3-chloropr...	10.80	75	186128	211.545	ppb	# 52
73) 1,2,4-Trichlorobenzene	11.62	180	1267343	200.549	ppb	98
74) Hexachlorobutadiene	11.81	225	502458	206.269	ppb	98
75) Naphthalene	11.86	128	3195168	205.253	ppb	99
76) 1,2,3-Trichlorobenzene	12.10	180	1211267	202.523	ppb	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110818.D
 Acq On : 8 Nov 2022 4:07 pm
 Operator : LM
 Sample : 200 ppb 8260 ICAL 67-177U
 Misc : soil/water
 ALS Vial : 16 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:49 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110820.D
 Acq On : 8 Nov 2022 4:55 pm
 Operator : LM
 Sample : 10 ppb 8260 SCV 67-155c
 Misc : soil/water
 ALS Vial : 18 Sample Multiplier: 1
 InstName : GCMS4

ACETONE ↑ IN SCV -
 CA. IF MET.

11/08/22 JCM

Quant Time: Nov 08 17:29:09 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I Fluorobenzene	10.000	10.000	0.0	97	0.00
2 TMP Ethanol	-1.000	0.000	0.0	31	0.00
3 S Dibromofluoromethane	10.000	10.210	-2.1	97	0.00
4 TMP Dichlorodifluoromethane	10.000	8.250	17.5	73	0.00
5 TMP Chloromethane	10.000	9.797	2.0	90	0.00
6 TMP Vinyl chloride	10.000	10.608	-6.1	95	0.00
7 TMP Bromomethane	10.000	12.753	-27.5#	119	0.00
8 TMP Chloroethane	10.000	10.992	-9.9	105	0.00
9 TMP Trichlorofluoromethane	10.000	10.358	-3.6	98	0.00
10 TMP 2-Propanol	-1.000	0.000	0.0	0	0.00
11 TMP Acetone	50.000	78.375	-56.8#	122	0.00
12 TMP 1,1-Dichloroethene	10.000	9.818	1.8	98	0.00
13 TMP Hexane	10.000	9.551	4.5	94	0.00
14 TMP Methylene chloride	10.000	10.123	-1.2	95	0.00
15 TMP t-Butyl alcohol (TBA)	50.000	49.286	1.4	94	0.00
16 TMP Methyl t-butyl ether (MTBE)	10.000	10.006	-0.1	95	0.00
17 TMP trans-1,2-Dichloroethene	10.000	9.949	0.5	98	0.00
18 TMP Diisopropyl ether (DIPE)	10.000	9.810	1.9	97	0.00
19 TMP 1,1-Dichloroethane	10.000	9.995	0.1	97	0.00
20 TMP Ethyl t-butyl ether (ETBE)	10.000	9.885	1.2	95	0.00
21 TMP 2,2-Dichloropropane	10.000	9.541	4.6	89	0.00
22 TMP cis-1,2-Dichloroethene	10.000	9.747	2.5	98	0.00
23 TMP Chloroform	10.000	9.943	0.6	95	0.00
24 TMP 2-Butanone (MEK)	50.000	49.352	1.3	103	0.00
25 TMP t-Amyl methyl ether (TAME)	10.000	9.937	0.6	95	0.00
26 TMP 1,2-Dichloroethane (EDC)	10.000	9.822	1.8	96	0.00
27 TMP 1,1,1-Trichloroethane	10.000	10.296	-3.0	100	0.00
28 TMP 1,1-Dichloropropene	10.000	10.019	-0.2	99	0.00
29 TMP Carbon tetrachloride	10.000	10.300	-3.0	102	0.00
30 S 1,2-Dichloroethane-d4	10.000	10.128	-1.3	97	0.00
31 TMP Benzene	10.000	9.817	1.8	97	0.00
32 TMP Trichloroethene	10.000	10.118	-1.2	103	0.00
33 TMP 1,2-Dichloropropane	10.000	9.802	2.0	94	0.00
34 TMP Bromodichloromethane	10.000	9.826	1.7	98	0.00
35 S Toluene-d8	10.000	9.871	1.3	95	0.00
36 TMP Dibromomethane	10.000	10.230	-2.3	98	0.00
37 TMP 4-Methyl-2-pentanone	50.000	47.710	4.6	94	0.00
38 TMP cis-1,3-Dichloropropene	10.000	9.927	0.7	97	0.00
39 I Chlorobenzene-d5	10.000	10.000	0.0	96	0.00
40 TMP Toluene	10.000	9.759	2.4	97	0.00
41 TMP trans-1,3-Dichloropropene	10.000	9.837	1.6	96	0.00
42 TMP 1,1,2-Trichloroethane	10.000	9.811	1.9	97	0.00
43 TMP 2-Hexanone	50.000	46.273	7.5	90	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110820.D
 Acq On : 8 Nov 2022 4:55 pm
 Operator : LM
 Sample : 10 ppb 8260 SCV 67-155c
 Misc : soil/water
 ALS Vial : 18 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 17:29:09 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	10.000	9.703	3.0	95	0.00
45 TMP Tetrachloroethene	10.000	10.117	-1.2	100	0.00
46 TMP Dibromochloromethane	10.000	10.604	-6.0	101	0.00
47 TMP 1,2-Dibromoethane (EDB)	10.000	9.976	0.2	96	0.00
48 TMP Chlorobenzene	10.000	9.898	1.0	96	0.00
49 TMP Ethylbenzene	10.000	9.767	2.3	96	0.00
50 TMP 1,1,1,2-Tetrachloroethane	10.000	10.067	-0.7	97	0.00
51 TMP m,p-Xylene	20.000	19.797	1.0	97	0.00
52 TMP o-Xylene	10.000	10.091	-0.9	99	0.00
53 TMP Styrene	10.000	9.862	1.4	95	0.00
54 TMP Isopropylbenzene	10.000	9.813	1.9	96	0.00
55 TMP Bromoform	10.000	10.758	-7.6	99	0.00
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	98	0.00
57 S 4-Bromofluorobenzene	10.000	9.630	3.7	94	0.00
58 TMP n-Propylbenzene	10.000	9.546	4.5	96	0.00
59 TMP Bromobenzene	10.000	9.994	0.1	97	0.00
60 TMP 1,3,5-Trimethylbenzene	10.000	9.647	3.5	97	0.00
61 TMP 1,1,2,2-Tetrachloroethane	10.000	9.303	7.0	91	0.00
62 TMP 1,2,3-Trichloropropane	10.000	9.648	3.5	93	0.00
63 TMP 2-Chlorotoluene	10.000	9.690	3.1	97	0.00
64 TMP 4-Chlorotoluene	10.000	9.531	4.7	95	0.00
65 TMP tert-Butylbenzene	10.000	9.740	2.6	97	0.00
66 TMP 1,2,4-Trimethylbenzene	10.000	9.596	4.0	97	0.00
67 TMP sec-Butylbenzene	10.000	9.441	5.6	95	0.00
68 TMP p-Isopropyltoluene	10.000	9.580	4.2	97	0.00
69 TMP 1,3-Dichlorobenzene	10.000	9.723	2.8	96	0.00
70 TMP 1,4-Dichlorobenzene	10.000	9.791	2.1	98	0.00
71 TMP 1,2-Dichlorobenzene	10.000	9.824	1.8	98	0.00
72 TMP 1,2-Dibromo-3-chloropropane	10.000	9.278	7.2	90	0.00
73 TMP 1,2,4-Trichlorobenzene	10.000	9.559	4.4	95	0.00
74 TMP Hexachlorobutadiene	10.000	9.649	3.5	99	0.00
75 TMP Naphthalene	10.000	9.341	6.6	91	0.00
76 TMP 1,2,3-Trichlorobenzene	10.000	9.367	6.3	92	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110820.D
 Acq On : 8 Nov 2022 4:55 pm
 Operator : LM
 Sample : 10 ppb 8260 SCV 67-155c
 Misc : soil/water
 ALS Vial : 18 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 17:29:09 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I Fluorobenzene	1.000	1.000	0.0	97	0.00
2 TMP Ethanol	0.000	0.000#	0.0	31#	0.00
3 S Dibromofluoromethane	0.275	0.281	-2.2	97	0.00
4 TMP Dichlorodifluoromethane	0.410	0.338	17.6	73	0.00
5 TMP Chloromethane	0.380	0.372	2.1	90	0.00
6 TMP Vinyl chloride	0.360	0.382	-6.1	95	0.00
7 TMP Bromomethane	0.168	0.214	-27.4#	119	0.00
8 TMP Chloroethane	0.189	0.208	-10.1	105	0.00
9 TMP Trichlorofluoromethane	0.562	0.582	-3.6	98	0.00
10 TMP 2-Propanol	0.000	0.000	0.0	0#	0.00
11 TMP Acetone	0.037	0.042	-13.5	122	0.00
12 TMP 1,1-Dichloroethene	0.333	0.327	1.8	98	0.00
13 TMP Hexane	0.348	0.333	4.3	94	0.00
14 TMP Methylene chloride	0.369	0.367	0.5	95	0.00
15 TMP t-Butyl alcohol (TBA)	0.051	0.051	0.0	94	0.00
16 TMP Methyl t-butyl ether (MTBE)	0.971	0.972	-0.1	95	0.00
17 TMP trans-1,2-Dichloroethene	0.353	0.351	0.6	98	0.00
18 TMP Diisopropyl ether (DIPE)	0.889	0.872	1.9	97	0.00
19 TMP 1,1-Dichloroethane	0.536	0.536	0.0	97	0.00
20 TMP Ethyl t-butyl ether (ETBE)	0.425	0.420	1.2	95	0.00
21 TMP 2,2-Dichloropropane	0.352	0.330	6.2	89	0.00
22 TMP cis-1,2-Dichloroethene	0.382	0.372	2.6	98	0.00
23 TMP Chloroform	0.583	0.577	1.0	95	0.00
24 TMP 2-Butanone (MEK)	0.186	0.184	1.1	103	0.00
25 TMP t-Amyl methyl ether (TAME)	0.964	0.958	0.6	95	0.00
26 TMP 1,2-Dichloroethane (EDC)	0.438	0.430	1.8	96	0.00
27 TMP 1,1,1-Trichloroethane	0.532	0.548	-3.0	100	0.00
28 TMP 1,1-Dichloropropene	0.448	0.449	-0.2	99	0.00
29 TMP Carbon tetrachloride	0.479	0.494	-3.1	102	0.00
30 S 1,2-Dichloroethane-d4	0.063	0.064	-1.6	97	0.00
31 TMP Benzene	1.286	1.262	1.9	97	0.00
32 TMP Trichloroethene	0.373	0.377	-1.1	103	0.00
33 TMP 1,2-Dichloropropane	0.284	0.279	1.8	94	0.00
34 TMP Bromodichloromethane	0.432	0.424	1.9	98	0.00
35 S Toluene-d8	1.002	0.989	1.3	95	0.00
36 TMP Dibromomethane	0.216	0.221	-2.3	98	0.00
37 TMP 4-Methyl-2-pentanone	0.077	0.073	5.2	94	0.00
38 TMP cis-1,3-Dichloropropene	0.504	0.501	0.6	97	0.00
39 I Chlorobenzene-d5	1.000	1.000	0.0	96	0.00
40 TMP Toluene	0.968	0.944	2.5	97	0.00
41 TMP trans-1,3-Dichloropropene	0.553	0.544	1.6	96	0.00
42 TMP 1,1,2-Trichloroethane	0.293	0.288	1.7	97	0.00
43 TMP 2-Hexanone	0.320	0.297	7.2	90	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110820.D
 Acq On : 8 Nov 2022 4:55 pm
 Operator : LM
 Sample : 10 ppb 8260 SCV 67-155c
 Misc : soil/water
 ALS Vial : 18 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 17:29:09 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.560	0.544	2.9	95	0.00
45 TMP Tetrachloroethene	0.431	0.436	-1.2	100	0.00
46 TMP Dibromochloromethane	0.429	0.448	-4.4	101	0.00
47 TMP 1,2-Dibromoethane (EDB)	0.398	0.397	0.3	96	0.00
48 TMP Chlorobenzene	1.148	1.136	1.0	96	0.00
49 TMP Ethylbenzene	1.845	1.802	2.3	96	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.426	0.428	-0.5	97	0.00
51 TMP m,p-Xylene	0.746	0.738	1.1	97	0.00
52 TMP o-Xylene	0.741	0.748	-0.9	99	0.00
53 TMP Styrene	1.258	1.241	1.4	95	0.00
54 TMP Isopropylbenzene	1.878	1.843	1.9	96	0.00
55 TMP Bromoform	0.362	0.369	-1.9	99	0.00
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	98	0.00
57 S 4-Bromofluorobenzene	0.701	0.675	3.7	94	0.00
58 TMP n-Propylbenzene	3.165	3.021	4.5	96	0.00
59 TMP Bromobenzene	0.916	0.915	0.1	97	0.00
60 TMP 1,3,5-Trimethylbenzene	2.336	2.254	3.5	97	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.806	0.750	6.9	91	0.00
62 TMP 1,2,3-Trichloropropane	0.610	0.589	3.4	93	0.00
63 TMP 2-Chlorotoluene	1.890	1.831	3.1	97	0.00
64 TMP 4-Chlorotoluene	2.253	2.148	4.7	95	0.00
65 TMP tert-Butylbenzene	2.062	2.009	2.6	97	0.00
66 TMP 1,2,4-Trimethylbenzene	2.433	2.335	4.0	97	0.00
67 TMP sec-Butylbenzene	2.769	2.614	5.6	95	0.00
68 TMP p-Isopropyltoluene	2.526	2.419	4.2	97	0.00
69 TMP 1,3-Dichlorobenzene	1.624	1.579	2.8	96	0.00
70 TMP 1,4-Dichlorobenzene	1.675	1.640	2.1	98	0.00
71 TMP 1,2-Dichlorobenzene	1.595	1.567	1.8	98	0.00
72 TMP 1,2-Dibromo-3-chloropropane	0.167	0.155	7.2	90	0.00
73 TMP 1,2,4-Trichlorobenzene	1.200	1.147	4.4	95	0.00
74 TMP Hexachlorobutadiene	0.463	0.446	3.7	99	0.00
75 TMP Naphthalene	2.957	2.762	6.6	91	0.00
76 TMP 1,2,3-Trichlorobenzene	1.136	1.064	6.3	92	0.00

(#) = Out of Range

SPCC's out = 1 CCC's out = 0

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110820.D
 Acq On : 8 Nov 2022 4:55 pm
 Operator : LM
 Sample : 10 ppb 8260 SCV 67-155c
 Misc : soil/water
 ALS Vial : 18 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 17:29:09 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	4.78	96	83510	10.000	ppb	0.00
39) Chlorobenzene-d5	7.43	117	70248	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.65	152	47550	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.21	113	23439	10.210	ppb	0.00
Spiked Amount	10.000	Range	0 - 1000	Recovery	=	102.10%
30) 1,2-Dichloroethane-d4	4.49	102	5370	10.128	ppb	0.00
Spiked Amount	10.000	Range	90 - 109	Recovery	=	101.30%
35) Toluene-d8	6.14	98	82579	9.871	ppb	0.00
Spiked Amount	10.000	Range	89 - 112	Recovery	=	98.70%
57) 4-Bromofluorobenzene	8.54	95	32112	9.630	ppb	0.00
Spiked Amount	10.000	Range	84 - 115	Recovery	=	96.30%
Target Compounds						
						Qvalue
2) Ethanol	1.07	45	1125	No Calib		
4) Dichlorodifluoromethane	1.18	85	28221	8.250	ppb	99
5) Chloromethane	1.32	50	31072	9.797	ppb	96
6) Vinyl chloride	1.40	62	31915	10.608	ppb	89
7) Bromomethane	1.63	94	17842	12.753	ppb	94
8) Chloroethane	1.70	64	17344	10.992	ppb	92
9) Trichlorofluoromethane	1.89	101	48585	10.358	ppb	94
10) 2-Propanol	2.98	45	3862	No Calib		
11) Acetone	2.38	58	17372	78.375	ppb	86
12) 1,1-Dichloroethene	2.32	96	27334	9.818	ppb	85
13) Hexane	3.21	57	27797	9.551	ppb	92
14) Methylene chloride	2.74	84	30665	10.123	ppb	86
15) t-Butyl alcohol (TBA)	2.87	59	21088	49.286	ppb	95
16) Methyl t-butyl ether (...)	2.99	73	81171	10.006	ppb	98
17) trans-1,2-Dichloroethene	2.97	96	29318	9.949	ppb	83
18) Diisopropyl ether (DIPE)	3.40	45	72793	9.810	ppb	91
19) 1,1-Dichloroethane	3.32	63	44722	9.995	ppb	95
20) Ethyl t-butyl ether (E...)	3.70	87	35083	9.885	ppb	85
21) 2,2-Dichloropropane	3.81	77	27563	9.541	ppb	94
22) cis-1,2-Dichloroethene	3.81	96	31093	9.747	ppb	# 80
23) Chloroform	4.08	83	48210	9.943	ppb	99
24) 2-Butanone (MEK)	3.83	43	76699	49.352	ppb	96
25) t-Amyl methyl ether (T...)	4.65	73	79963	9.937	ppb	98
26) 1,2-Dichloroethane (EDC)	4.56	62	35942	9.822	ppb	93
27) 1,1,1-Trichloroethane	4.23	97	45776	10.296	ppb	94
28) 1,1-Dichloropropene	4.37	75	37494	10.019	ppb	91
29) Carbon tetrachloride	4.37	117	41224	10.300	ppb	87
31) Benzene	4.54	78	105401	9.817	ppb	94
32) Trichloroethene	5.09	95	31508	10.118	ppb	# 76
33) 1,2-Dichloropropane	5.28	63	23281	9.802	ppb	97
34) Bromodichloromethane	5.51	83	35422	9.826	ppb	99
36) Dibromomethane	5.37	93	18430	10.230	ppb	# 79

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110820.D
 Acq On : 8 Nov 2022 4:55 pm
 Operator : LM
 Sample : 10 ppb 8260 SCV 67-155c
 Misc : soil/water
 ALS Vial : 18 Sample Multiplier: 1
 InstName : GCMS4

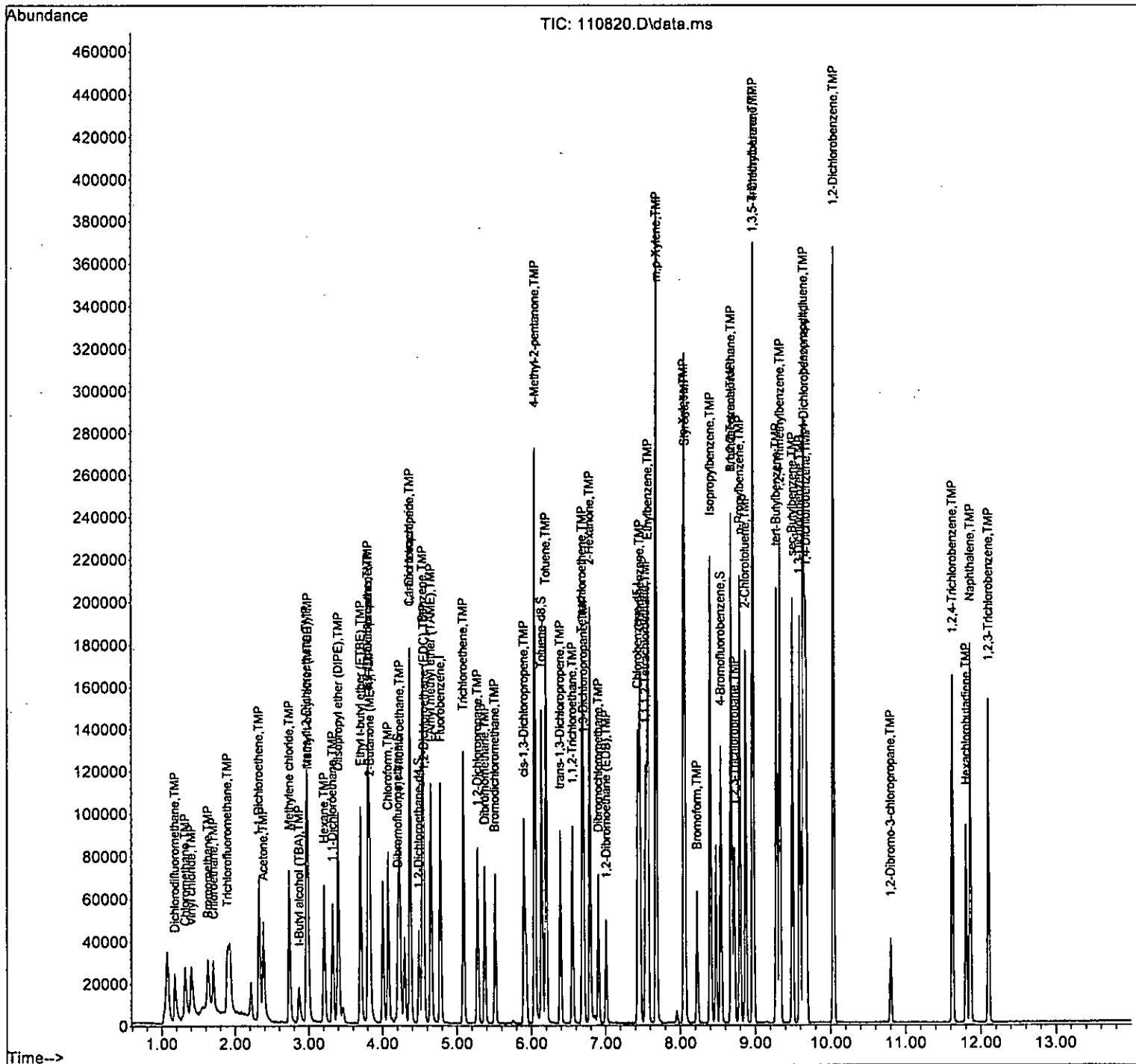
Quant Time: Nov 08 17:29:09 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	6.05	85	30636	47.710	ppb #	77
38) cis-1,3-Dichloropropene	5.90	75	41800	9.927	ppb	93
40) Toluene	6.20	92	66340	9.759	ppb	97
41) trans-1,3-Dichloropropene	6.39	75	38207	9.837	ppb	94
42) 1,1,2-Trichloroethane	6.55	83	20199	9.811	ppb	88
43) 2-Hexanone	6.79	43	104158	46.273	ppb	96
44) 1,3-Dichloropropane	6.70	76	38186	9.703	ppb	99
45) Tetrachloroethene	6.69	164	30620	10.117	ppb	98
46) Dibromochloromethane	6.91	129	31445	10.604	ppb	98
47) 1,2-Dibromoethane (EDB)	7.01	107	27905	9.976	ppb	98
48) Chlorobenzene	7.46	112	79830	9.898	ppb	88
49) Ethylbenzene	7.57	91	126600	9.767	ppb	92
50) 1,1,1,2-Tetrachloroethane	7.54	131	30094	10.067	ppb	97
51) m,p-Xylene	7.68	106	103736	19.797	ppb	84
52) o-Xylene	8.05	106	52544	10.091	ppb	88
53) Styrene	8.06	104	87148	9.862	ppb	87
54) Isopropylbenzene	8.40	105	129460	9.813	ppb	92
55) Bromoform	8.22	173	25895	10.758	ppb	99
58) n-Propylbenzene	8.79	91	143672	9.546	ppb	95
59) Bromobenzene	8.68	156	43521	9.994	ppb #	81
60) 1,3,5-Trimethylbenzene	8.97	105	107172	9.647	ppb	85
61) 1,1,2,2-Tetrachloroethane	8.68	83	35656	9.303	ppb	97
62) 1,2,3-Trichloropropane	8.72	75	28007	9.648	ppb	100
63) 2-Chlorotoluene	8.87	91	87061	9.690	ppb	88
64) 4-Chlorotoluene	8.97	91	102117	9.531	ppb	89
65) tert-Butylbenzene	9.28	119	95517	9.740	ppb	84
66) 1,2,4-Trimethylbenzene	9.33	105	111013	9.596	ppb	90
67) sec-Butylbenzene	9.49	105	124300	9.441	ppb	91
68) p-Isopropyltoluene	9.64	119	115046	9.580	ppb	90
69) 1,3-Dichlorobenzene	9.59	146	75086	9.723	ppb	95
70) 1,4-Dichlorobenzene	9.68	146	77996	9.791	ppb	95
71) 1,2-Dichlorobenzene	10.04	146	74508	9.824	ppb	92
72) 1,2-Dibromo-3-chloropr...	10.80	75	7373	9.278	ppb #	60
73) 1,2,4-Trichlorobenzene	11.62	180	54555	9.559	ppb	100
74) Hexachlorobutadiene	11.81	225	21229	9.649	ppb	95
75) Naphthalene	11.86	128	131334	9.341	ppb	99
76) 1,2,3-Trichlorobenzene	12.10	180	50597	9.367	ppb	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110820.D
 Acq On : 8 Nov 2022 4:55 pm
 Operator : LM
 Sample : 10 ppb 8260 SCV 67-155c
 Misc : soil/water
 ALS Vial : 18 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 17:29:09 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



Compound List Report GCMS11

Method Path : D:\Methods\Inst11\
 Method File : VB110322ms11.M
 Title : 8260 Purge & Trap Volatiles Dual Acquisition
 Last Update : Mon Nov 07 14:08:49 2022
 Response Via : Initial Calibration

Total Cpnds : 76

PK#	Compound Name	QIon	Exp_RT	Rel_RT	Cal	#Qual	A/H	ID
1	I Fluorobenzene	96	4.63	1.000	A	1	A	B
2	T Ethanol	45	1.86	0.402	A	1	A	B
3	S Dibromofluoromethane	113	4.07	0.879	A	0	A	B
4	T Dichlorodifluoromethane	85	1.09	0.234	A	1	A	B
5	T Chloromethane	50	1.22	0.263	A	1	A	B
6	T Vinyl chloride	-62	1.29	0.279	A	1	A	B
7	T Bromomethane	94	1.52	0.329	A	1	A	B
8	T Chloroethane	-64	1.59	0.343	A	1	A	B
9	T Trichlorofluoromethane	101	1.77	0.382	A	1	A	B
10	T 2-Propanol	45	2.43	0.526	A	1	A	B
11	T Acetone	58	2.25	0.487	A	1	A	B
12	T 1,1-Dichloroethene	-96	2.19	0.472	A	2	A	B
13	T Hexane	57	3.05	0.659	A	2	A	B
14	T Methylene chloride	84	2.60	0.562	Q	2	A	B
15	T t-Butyl alcohol (TBA)	59	2.72	0.589	A	1	A	B
16	T Methyl t-butyl ether (MTBE)	-73	2.83	0.611	A	1	A	B
17	T trans-1,2-Dichloroethene	-96	2.82	0.610	A	2	A	B
18	T Diisopropyl ether (DIPE)	45	3.23	0.699	A	3	A	B
19	T 1,1-Dichloroethane	-63	3.17	0.686	A	2	A	B
20	T Ethyl t-butyl ether (ETBE)	87	3.54	0.765	A	3	A	B
21	T 2,2-Dichloropropane	77	3.66	0.791	A	1	A	B
22	T cis-1,2-Dichloroethene	-96	3.66	0.791	A	2	A	B
23	T Chloroform	83	3.94	0.851	A	1	A	B
24	T 2-Butanone (MEK)	43	3.70	0.799	A	2	A	B
25	T t-Amyl methyl ether (TAME)	73	4.49	0.970	A	2	A	B
26	T 1,2-Dichloroethane (EDC)	-62	4.41	0.953	A	1	A	B
27	T 1,1,1-Trichloroethane	-97	4.08	0.882	A	2	A	B
28	T 1,1-Dichloropropene	75	4.22	0.911	A	2	A	B
29	T Carbon tetrachloride	117	4.21	0.909	A	1	A	B
30	S 1,2-Dichloroethane-d4	102	4.35	0.939	A	1	A	B
31	T Benzene	-78	4.38	0.948	Q	1	A	B
32	T Trichloroethene	-95	4.93	1.065	A	3	A	B
33	T 1,2-Dichloropropane	63	5.13	1.108	A	1	A	B
34	T Bromodichloromethane	83	5.37	1.159	A	2	A	B
35	S Toluene-d8	98	5.98	1.293	A	1	A	B
36	T Dibromomethane	93	5.23	1.131	A	2	A	B
37	T 4-Methyl-2-pentanone	85	5.91	1.276	A	2	A	B
38	T cis-1,3-Dichloropropene	75	5.75	1.243	A	2	A	B
39	I Chlorobenzene-d5	117	7.27	1.000	A	1	A	B
40	T Toluene	-92	6.03	0.829	A	1	A	B
41	T trans-1,3-Dichloropropene	75	6.25	0.859	A	2	A	B
42	T 1,1,2-Trichloroethane	-83	6.40	0.881	Q	2	A	B
43	T 2-Hexanone	43	6.64	0.913	A	3	A	B
44	T 1,3-Dichloropropane	76	6.55	0.901	A	1	A	B
45	T Tetrachloroethene	-164	6.51	0.896	Q	3	A	B
46	T Dibromochloromethane	129	6.75	0.929	A	1	A	B
47	T 1,2-Dibromoethane (EDB)	-107	6.85	0.943	A	2	A	B
48	T Chlorobenzene	112	7.29	1.003	A	2	A	B
49	T Ethylbenzene	-91	7.40	1.018	A	1	A	B
50	T 1,1,1,2-Tetrachloroethane	131	7.38	1.015	A	2	A	B
51	T m,p-Xylene	-106	7.51	1.033	A	1	A	B
52	T o-Xylene	-106	7.88	1.083	A	1	A	B
53	T Styrene	104	7.90	1.086	A	1	A	B
54	T Isopropylbenzene	105	8.23	1.131	A	1	A	B
55	T Bromoform	173	8.07	1.110	A	2	A	B

56	I	1,4-Dichlorobenzene-d4	152	9.48	1.000	A	2	A	B
57	S	4-Bromofluorobenzene	95	8.38	0.884	A	2	A	B
58	T	n-Propylbenzene	91	8.62	0.909	A	1	A	B
59	T	Bromobenzene	156	8.51	0.898	A	2	A	B
60	T	1,3,5-Trimethylbenzene	105	8.79	0.927	A	1	A	B
61	T	1,1,2,2-Tetrachloroethane	83	8.53	0.900	A	2	A	B
62	T	1,2,3-Trichloropropane	75	8.56	0.903	A	3	A	R
63	T	2-Chlorotoluene	91	8.70	0.917	A	1	A	B
64	T	4-Chlorotoluene	91	8.80	0.928	A	1	A	B
65	T	tert-Butylbenzene	119	9.10	0.960	A	2	A	B
66	T	1,2,4-Trimethylbenzene	105	9.15	0.966	A	1	A	B
67	T	sec-Butylbenzene	105	9.31	0.983	A	1	A	B
68	T	p-Isopropyltoluene	119	9.46	0.998	A	2	A	B
69	T	1,3-Dichlorobenzene	146	9.42	0.993	A	2	A	B
70	T	1,4-Dichlorobenzene	146	9.50	1.002	A	2	A	B
71	T	1,2-Dichlorobenzene	146	9.86	1.041	A	2	A	B
72	T	1,2-Dibromo-3-chloropropane	75	10.63	1.121	A	2	A	B
73	T	1,2,4-Trichlorobenzene	180	11.44	1.207	A	2	A	B
74	T	Hexachlorobutadiene	225	11.61	1.225	A	2	A	B
75	T	Naphthalene	128	11.68	1.232	A	2	A	B
76	T	1,2,3-Trichlorobenzene	180	11.92	1.257	A	2	A	B

Cal A = Average L = Linear LO = Linear w/origin Q = Quad QO = Quad w/origin

#Qual = number of qualifiers

A/H = Area or Height

ID R = R.T. B = R.T. & Q Q = Qvalue L = Largest A = All

VB110322ms11.M Mon Nov 07 14:30:50 2022

Calibration Status Report GCMS11

Method Path : D:\Methods\Inst11\
 Method File : VB110322ms11.M
 Title : 8260 Purge & Trap Volatiles Dual Acquisition
 Last Update : Mon Nov 07 14:08:49 2022
 Response Via : Initial Calibration

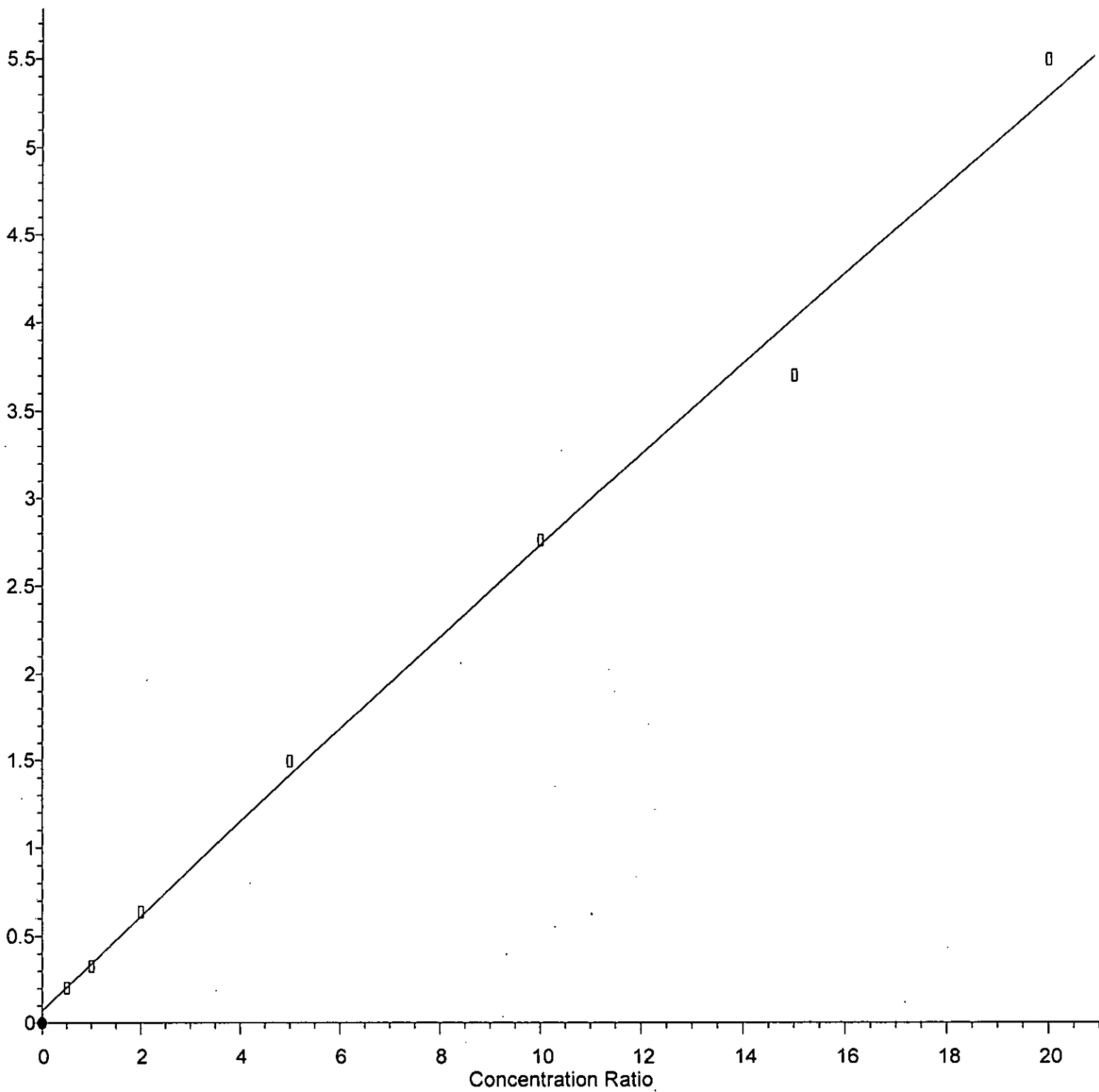
#	ID	Conc	ISTD Conc	Path\File
1	0.02	0	10	D:\Proc_GCMS11\11-03-22\110320.D
2	0.04	0	10	D:\Proc_GCMS11\11-03-22\110321.D
3	0.1	0	10	D:\Proc_GCMS11\11-03-22\110322.D
4	0.2	0	10	D:\Proc_GCMS11\11-03-22\110323.D
5	0.5	1	10	D:\Proc_GCMS11\11-03-22\110324.D
6	1	1	10	D:\Proc_GCMS11\11-03-22\110325.D
7	2	2	10	D:\Proc_GCMS11\11-03-22\110326.D
8	5	5	10	D:\Proc_GCMS11\11-03-22\110327.D
9	10	10	10	D:\Proc_GCMS11\11-03-22\110328.D
10	20	20	10	D:\Proc_GCMS11\11-03-22\110329.D
11	50	50	10	D:\Proc_GCMS11\11-03-22\110330.D
12	100	100	10	D:\Proc_GCMS11\11-03-22\110331.D
13	150	150	10	D:\Proc_GCMS11\11-03-22\110332.D
14	200	200	10	D:\Proc_GCMS11\11-03-22\110333.D

#	ID	Update Time	Quant Time	Acquisition Time
1	0.02	Nov 07 11:18 2022	Nov 07 10:59 2022	03 Nov 2022 02:10 pm
2	0.04	Nov 07 11:18 2022	Nov 07 11:00 2022	03 Nov 2022 02:32 pm
3	0.1	Nov 07 11:18 2022	Nov 07 11:01 2022	03 Nov 2022 02:54 pm
4	0.2	Nov 07 11:18 2022	Nov 07 11:05 2022	03 Nov 2022 03:17 pm
5	0.5	Nov 07 11:18 2022	Nov 07 11:08 2022	03 Nov 2022 03:39 pm
6	1	Nov 07 11:18 2022	Nov 07 11:10 2022	03 Nov 2022 04:01 pm
7	2	Nov 07 11:18 2022	Nov 07 11:11 2022	03 Nov 2022 04:24 pm
8	5	Nov 07 11:18 2022	Nov 07 11:12 2022	03 Nov 2022 04:46 pm
9	10	Nov 07 11:18 2022	Nov 07 11:13 2022	03 Nov 2022 05:09 pm
10	20	Nov 07 11:18 2022	Nov 07 11:17 2022	03 Nov 2022 05:31 pm
11	50	Nov 07 11:18 2022	Nov 07 11:17 2022	03 Nov 2022 05:54 pm
12	100	Nov 07 11:18 2022	Nov 07 11:17 2022	03 Nov 2022 06:16 pm
13	150	Nov 07 11:18 2022	Nov 07 11:17 2022	03 Nov 2022 06:38 pm
14	200	Nov 07 11:18 2022	Nov 07 11:17 2022	03 Nov 2022 07:01 pm

VB110322ms11.M Mon Nov 07 14:30:56 2022

Methylene chloride

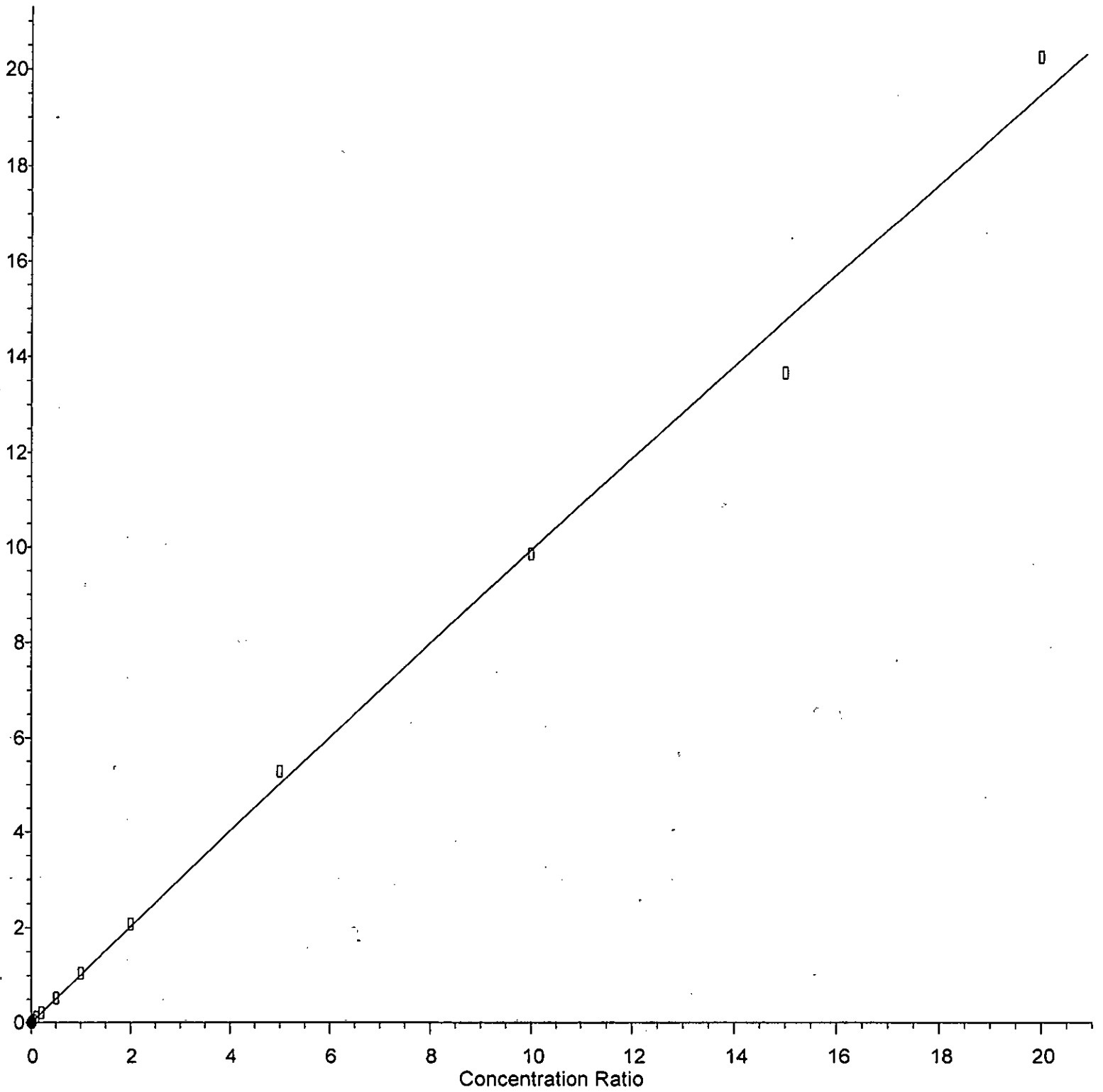
Response Ratio



$R = -5.354e-004 A^2 + 2.721e-001 A + 6.996e-002$
Coef of Det (r^2) = 0.996111 Curve Fit: Quadratic w(1/a)
Method Name: D:\Methods\Inst11\VB110322ms11.M
Calibration Table Last Updated: Mon Nov 07 14:08:49 2022

Benzene

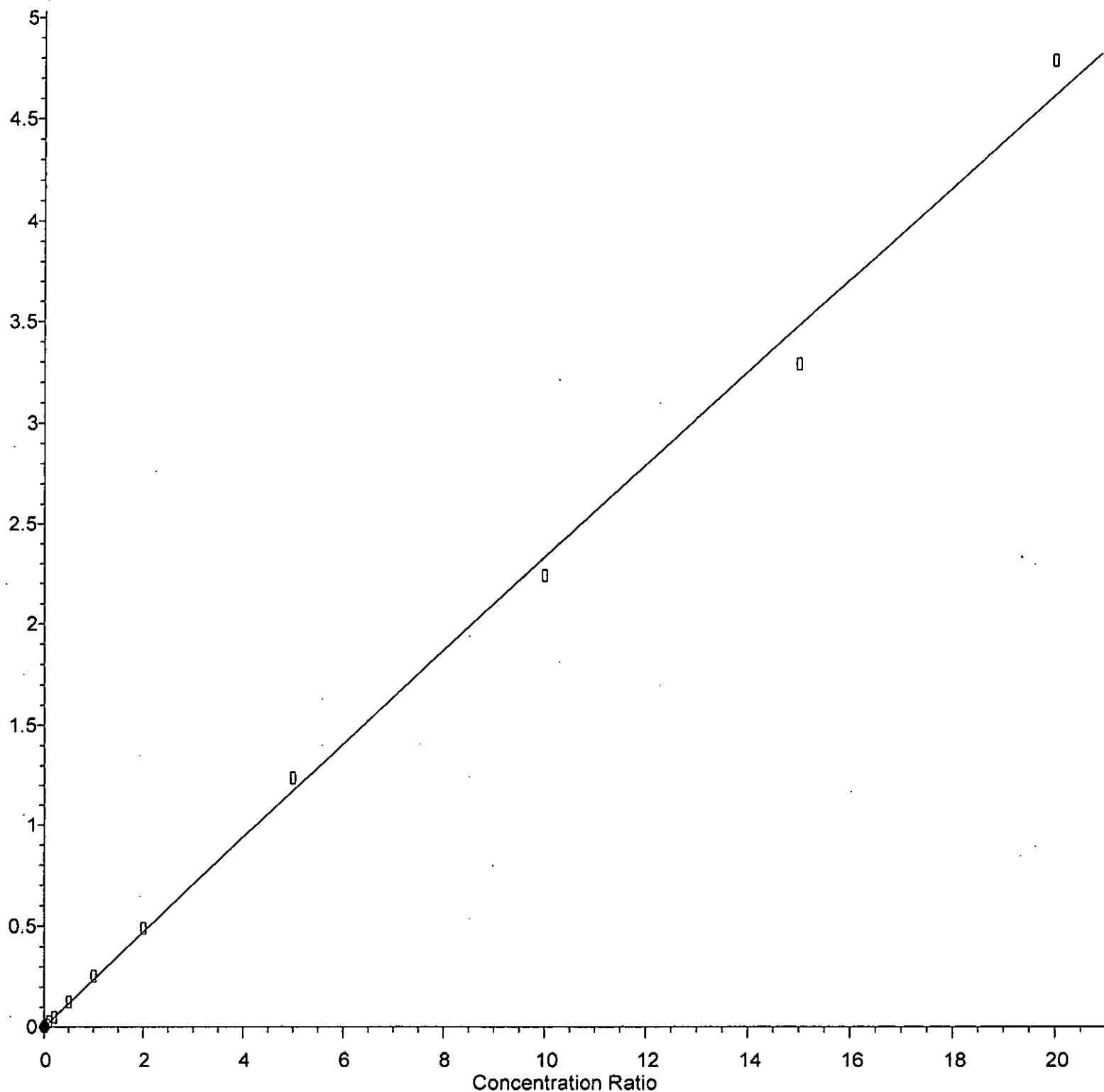
Response Ratio



$R = -1.898e-003 A^2 + 1.013e+000 A + 2.141e-003$
Coef of Det (r^2) = 0.997510 Curve Fit: Quadratic w(1/a)
Method Name: D:\Methods\Inst11\VB110322ms11.M
Calibration Table Last Updated: Mon Nov 07 14:08:49 2022

1,1,2-Trichloroethane

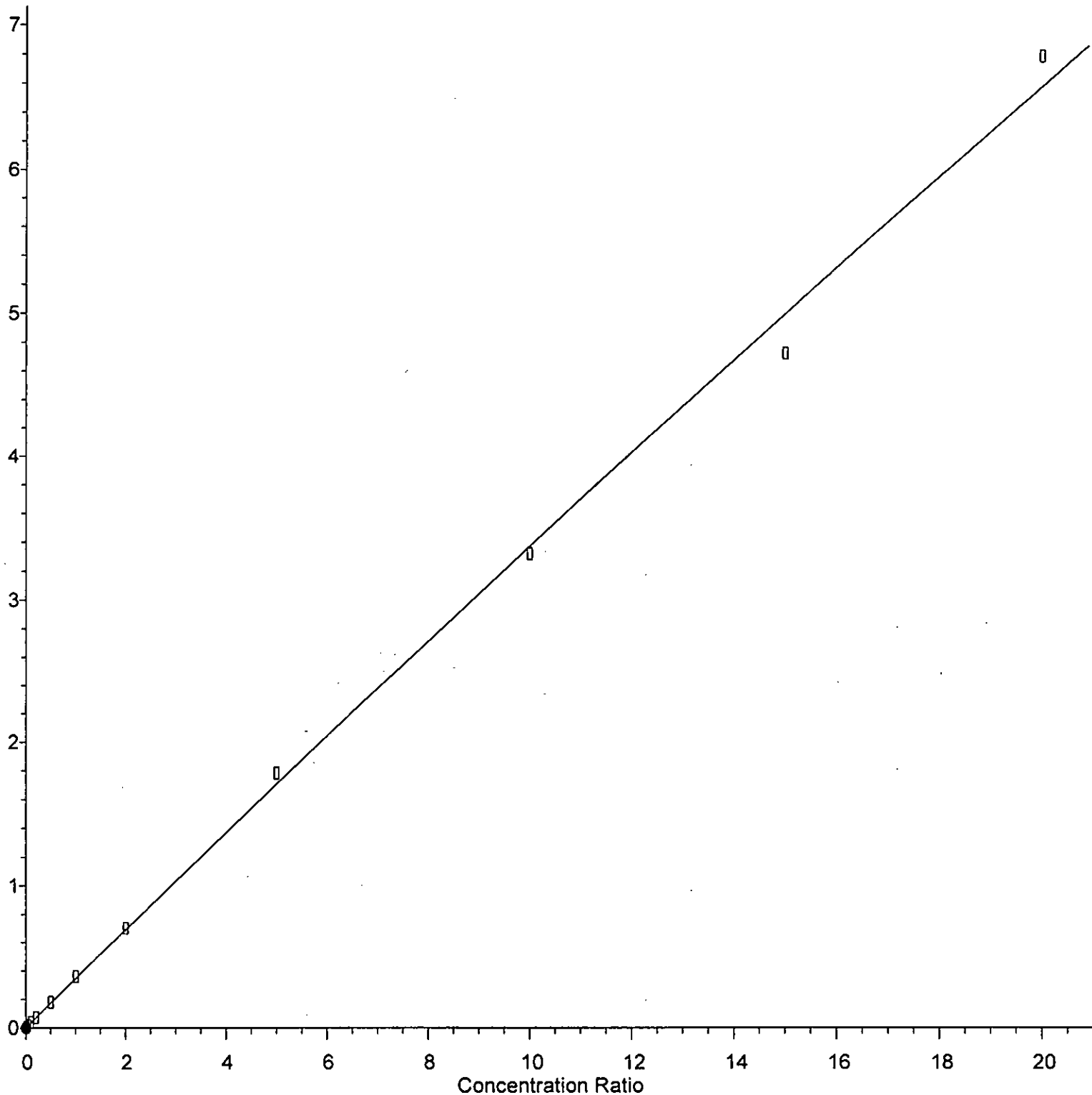
Response Ratio



$R = -2.326e-004 A^2 + 2.357e-001 A + 7.351e-004$
Coef of Det (r^2) = 0.997817 Curve Fit: Quadratic w(1/a)
Method Name: D:\Methods\Inst11\VB110322ms11.M
Calibration Table Last Updated: Mon Nov 07 14:08:49 2022

Tetrachloroethene

Response Ratio



$R = -8.269e-004 A^2 + 3.453e-001 A + 1.896e-003$
Coef of Det (r^2) = 0.998465 Curve Fit: Quadratic w(1/a)
Method Name: D:\Methods\Inst11\VB110322ms11.M
Calibration Table Last Updated: Mon Nov 07 14:08:49 2022

GC/MS Data Daily Checklist

Instrument: GC/MS 11.

Sequence Date: 11.03.22

Shift # 1

Item	Initial	Date
Shift and Batch		
All samples analyzed within 12 hour shift	/ my	11.03.22
Internal Standards within limits (50-200% of the CCVs for 8260, 8270; 70-130% for 524.2)	/	|
Surrogate recoveries within limits	/	|
Laboratory control sample (LCS) recoveries within limits	/	|
Matrix spike (MS) analyzed	NO	|
RPDs within limits	✓	|
Continuing Calibration Analyzed, Evaluated and Passed	✓	|
Non-Conformance Report filled out (if needed)	NA	|

Notes: _____

Attach this sheet to raw data package.

YA 11/11/22
Supervisor Initials and Date

GC/MS ICAL Checklist

Instrument: GC/MS 11

Sequence Date: 11.03.22

Shift # 1

Item	Initial	Date
Shift and Batch		
Initial Calibration Analyzed, Evaluated and Passed	/ <i>my</i>	11.01.22
2 nd source passed	/	|
Analyte retention time checked	/	|
Tune passed	/	|
Non-Conformance Report filled out (if needed)	<i>NA</i>	|

Notes: EDE start @ 0.1 ppb

Attach this sheet to raw data package.

YA 11/11/22
Supervisor Initials and Date

GC/MS QA-QC Check Report

Tune File : S:\Proc_GCMS11\11-03-22\110317.D

Tune Time : 03 Nov 2022 12:23 pm

Daily Calibration File : D:\Proc_GCMS11\10-06-22\100628.D

(DMF) (DHL) (TOL) (BFB)

89223

74582

42734

File	Sample	Surrogate Recovery %				Internal Standard Responses		
110320.D	0.02 ppb 8	97	99	99	0+	60933	43253	24976
110321.D	0.04 ppb 8	100	103	99	101	59193	42331	24877
110322.D	0.1 ppb 82	102	99	97	0+	58277	41908	24172
110323.D	0.2 ppb 82	96	102	100	104	61311	44921	25317
110324.D	0.5 ppb 82	105	102	95	98	56175	38800	23992
110325.D	1 ppb 8260	101	103	99	101	57426	40297	23765
110326.D	2 ppb 8260	105	103	97	98	55599	39499	23208
110327.D	5 ppb 8260	102	99	104	99	58345	43222	25178
110329.D	20 ppb 826	103	104	100	99	55034	40247	23886
110330.D	50 ppb 826	101	105	101	99	55430	40353	23738
110331.D	100 ppb 82	100	92	101	97	54152	39544	23400
110332.D	150 ppb 82	94	93	103	100	58941	44229	25485
110333.D	200 ppb 82	95	94	101	99	58470	44224	25881
110335.D	10 ppb 826	96	101	104	103	60742	45630	25827
110337.D	02-2635 1c	95	95	104	102	60393	45753	26400
110338.D	02-2635 1c	96	98	103	107	60082	44550	25177
110339.D	02-2634 1c	102	99	104	98	57286	42689	25542
110340.D	02-2634 1c	99	100	101	99	58603	42734	25488

(fails) - fails 12hr time check * - fails criteria

Spike Recovery and RPD Summary Report - SOIL

Method : D:\Methods\Inst11\VB110322ms11.M (RTE Integrator)
 Title : 8260 Purge & Trap Volatiles Dual Acquisition
 Last Update : Mon Nov 07 14:08:49 2022
 Response via : Initial Calibration

Non-Spiked Sample: 110343.D

Spike Sample	Spike Duplicate Sample
File ID : 110339.D	| 110340.D
Sample : 02-2634 lcs	| 02-2634 lcsd
Acq Time: 03 Nov 2022 09:15 pm	| 03 Nov 2022 09:37 pm

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits RPD	QC Limits % Rec
Ethanol	0.0	0	0	0	0#	0#	99#	20	51-164
Dichlorodifluorometh	0.0	10	6	5	59	49	20	20	10-150
Chloromethane	0.0	10	7	6	73	62	15	20	21-140
Vinyl chloride	0.0	10	8	7	81	72	12	20	35-135
Bromomethane	0.1	10	9	8	90	83	8	20	20-151
Chloroethane	0.0	10	9	8	90	81	10	20	21-147
Trichlorofluorometha	0.0	10	9	8	87	81	8	20	47-143
2-Propanol	0.0	0	0	0	0#	0#	99#	20	70-130
Acetone	0.2	50	47	46	93	91	3	20	13-169
1,1-Dichloroethene	0.0	10	9	9	93	86	8	20	49-138
Hexane	0.1	10	10	9	97	85	13	20	61-141
Methylene chloride	0.0	10	10	9	97	94	3	20	25-146
t-Butyl alcohol (TBA	0.0	50	51	51	102	102	0	20	55-144
Methyl t-butyl ether	0.0	10	10	9	103	94	9	20	65-129
trans-1,2-Dichloroet	0.0	10	10	9	96	88	8	20	62-126
Diisopropyl ether (D	0.0	10	10	9	99	88	11	20	66-133
1,1-Dichloroethane	0.0	10	10	9	100	93	8	20	64-131
Ethyl t-butyl ether	0.0	10	10	9	103	91	12	20	64-130
2,2-Dichloropropane	0.0	10	10	9	96	90	6	20	76-150
cis-1,2-Dichloroethe	0.0	10	10	9	100	93	7	20	62-127
Chloroform	0.1	10	9	9	93	88	5	20	67-129
2-Butanone (MEK)	0.2	50	53	49	106	97	8	20	19-171
t-Amyl methyl ether	0.0	10	10	9	101	91	10	20	66-130
1,2-Dichloroethane (	0.0	10	10	9	97	89	9	20	73-111
1,1,1-Trichloroethan	0.0	10	10	9	99	91	8	20	66-125
1,1-Dichloropropene	0.0	10	10	9	97	91	7	20	70-131
Carbon tetrachloride	0.0	10	10	9	99	90	10	20	53-135
Benzene	0.0	10	10	9	103	94	9	20	70-130
Trichloroethene	0.0	10	10	9	95	88	8	20	62-116
1,2-Dichloropropane	0.0	10	10	9	100	92	8	20	70-130
Bromodichloromethane	0.0	10	10	9	98	91	7	20	70-130
Dibromomethane	0.0	10	10	9	102	94	8	20	70-130
4-Methyl-2-pentanone	0.0	50	51	49	103	98	5	20	64-137
cis-1,3-Dichloroprop	0.0	10	10	9	97	90	8	20	68-137
Toluene	0.0	10	10	9	96	91	6	20	70-130
trans-1,3-Dichloropr	0.1	10	10	10	101	99	2	20	70-130
1,1,2-Trichloroethan	0.0	10	11	10	107	99	7	20	70-130

2-Hexanone	0.0	50	58	53	115	106	8	20	55-145
1,3-Dichloropropane	0.0	10	10	10	102	97	5	20	70-130
Tetrachloroethene	0.0	10	10	10	103	97	6	20	69-131
Dibromochloromethane	0.0	10	10	9	98	90	9	20	61-137
1,2-Dibromoethane (E)	0.0	10	10	9	98	92	7	20	70-130
Chlorobenzene	0.0	10	10	10	98	96	3	20	70-130
Ethylbenzene	0.0	10	10	9	99	92	7	20	70-130
1,1,1,2-Tetrachloroe	0.0	10	10	9	103	94	9	20	56-134
m,p-Xylene	0.1	20	20	18	99	92	8	20	70-130
o-Xylene	0.0	10	10	9	98	92	6	20	70-130
Styrene	0.0	10	10	10	104	95	9	20	70-130
Isopropylbenzene	0.0	10	10	10	101	95	6	20	67-131
Bromoform	0.0	10	10	9	97	93	4	20	70-130
n-Propylbenzene	0.0	10	10	9	101	93	8	20	70-130
Bromobenzene	0.0	10	10	9	98	93	5	20	70-130
1,3,5-Trimethylbenze	0.0	10	10	9	98	94	5	20	70-130
1,1,2,2-Tetrachloroe	0.0	10	10	9	98	90	8	20	70-130
1,2,3-Trichloropropa	0.0	10	10	9	98	90	9	20	70-130
2-Chlorotoluene	0.0	10	10	9	98	92	6	20	70-130
4-Chlorotoluene	0.1	10	10	9	101	94	8	20	70-130
tert-Butylbenzene	0.0	10	10	9	98	93	6	20	70-130
1,2,4-Trimethylbenze	0.0	10	10	9	99	94	4	20	70-130
sec-Butylbenzene	0.0	10	10	9	100	94	6	20	68-131
p-Isopropyltoluene	0.0	10	10	9	101	95	7	20	70-130
1,3-Dichlorobenzene	0.1	10	10	9	98	92	6	20	70-130
1,4-Dichlorobenzene	0.1	10	10	9	101	91	9	20	70-130
1,2-Dichlorobenzene	0.1	10	10	9	98	91	8	20	70-130
1,2-Dibromo-3-chloro	0.0	10	10	9	96	92	5	20	70-130
1,2,4-Trichlorobenze	0.1	10	10	9	95	92	3	20	66-140
Hexachlorobutadiene	0.1	10	9	9	94	91	3	20	67-141
Naphthalene	0.1	10	10	9	95	91	4	20	69-119
1,2,3-Trichlorobenze	0.1	10	10	9	97	94	3	20	66-138

- Fails Limit Check

VB110322ms11.M

Mon Nov 07 14:41:05 2022

Spike Recovery and RPD Summary Report - WATER

Method : D:\Methods\Inst11\VB110322ms11.M (RTE Integrator)
 Title : 8260 Purge & Trap Volatiles Dual Acquisition
 Last Update : Mon Nov 07 14:08:49 2022
 Response via : Initial Calibration

Non-Spiked Sample: 110342.D

Spike Sample	Spike Duplicate Sample
File ID : 110337.D	110338.D
Sample : 02-2635 lcs	02-2635 lcsd
Acq Time: 03 Nov 2022 08:30 pm	03 Nov 2022 08:53 pm

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits RPD	QC Limits % Rec
Ethanol	0.0	0	0	0	0#	0#	99#	20	48-163
Dichlorodifluorometh	0.0	10	10	10	97	99	2	20	46-206
Chloromethane	0.1	10	9	9	92	92	1	20	70-142
Vinyl chloride	0.0	10	10	10	99	96	2	20	70-130
Bromomethane	0.1	10	11	10	108	103	5	20	50-197
Chloroethane	0.0	10	10	10	102	100	2	20	70-130
Trichlorofluorometha	0.0	10	10	9	96	94	3	20	70-130
2-Propanol	0.0	0	0	0	0#	0#	99#	20	70-130
Acetone	0.3	50	30	29	60	58	4	20	10-140
1,1-Dichloroethene	0.0	10	10	9	98	94	3	20	70-130
Hexane	0.0	10	9	10	93	97	5	20	54-136
Methylene chloride	0.6	10	11	10	99	95	5	20	43-134
t-Butyl alcohol (TBA	0.0	50	52	52	104	104	0	20	70-130
Methyl t-butyl ether	0.0	10	10	10	103	100	3	20	70-130
trans-1,2-Dichloroet	0.0	10	10	9	96	94	3	20	70-130
Diisopropyl ether (D	0.0	10	10	10	96	95	0	20	70-130
1,1-Dichloroethane	0.0	10	10	9	100	95	6	20	70-130
Ethyl t-butyl ether	0.0	10	10	10	102	99	4	20	70-130
2,2-Dichloropropane	0.0	10	10	9	95	91	5	20	70-130
cis-1,2-Dichloroethe	0.0	10	10	10	99	97	3	20	70-130
Chloroform	0.1	10	9	9	92	92	0	20	70-130
2-Butanone (MEK)	0.0	50	39	39	78	78	0	20	17-154
t-Amyl methyl ether	0.0	10	10	10	96	97	1	20	70-130
1,2-Dichloroethane (	0.0	10	10	10	97	96	1	20	70-130
1,1,1-Trichloroethan	0.0	10	10	10	99	97	2	20	70-130
1,1-Dichloropropene	0.0	10	10	10	99	98	2	20	70-130
Carbon tetrachloride	0.0	10	10	10	98	96	2	20	70-130
Benzene	0.0	10	10	10	103	101	1	20	70-130
Trichloroethene	0.0	10	9	9	92	91	1	20	70-130
1,2-Dichloropropane	0.0	10	10	10	101	100	1	20	70-130
Bromodichloromethane	0.0	10	10	10	100	97	3	20	70-130
Dibromomethane	0.0	10	10	10	100	101	0	20	70-130
4-Methyl-2-pentanone	0.0	50	53	52	106	105	1	20	68-130
cis-1,3-Dichloroprop	0.0	10	10	10	102	100	2	20	69-131
Toluene	0.0	10	10	10	96	98	2	20	70-130
trans-1,3-Dichloropr	0.1	10	11	11	105	107	2	20	70-130
1,1,2-Trichloroethan	0.0	10	11	11	107	110	3	20	70-130

2-Hexanone	0.0	50	50	52	101	104	3	20	45-138
1,3-Dichloropropane	0.0	10	10	11	102	109	7	20	70-130
Tetrachloroethene	0.0	10	10	10	100	102	2	20	70-130
Dibromochloromethane	0.0	10	10	10	97	101	5	20	60-148
1,2-Dibromoethane (E)	0.1	10	10	10	99	102	4	20	70-130
Chlorobenzene	0.0	10	10	10	98	102	3	20	70-130
Ethylbenzene	0.0	10	10	10	96	98	2	20	70-130
1,1,1,2-Tetrachloroe	0.0	10	9	10	94	97	3	20	70-130
m,p-Xylene	0.1	20	19	20	96	98	2	20	70-130
o-Xylene	0.0	10	10	10	96	97	1	20	70-130
Styrene	0.0	10	10	10	100	104	3	20	70-130
Isopropylbenzene	0.0	10	10	10	98	101	3	20	70-130
Bromoform	0.0	10	10	10	99	98	1	20	69-138
n-Propylbenzene	0.0	10	10	10	100	104	4	20	70-130
Bromobenzene	0.0	10	10	11	99	105	5	20	70-130
1,3,5-Trimethylbenze	0.0	10	10	10	97	100	3	20	70-130
1,1,2,2-Tetrachloroe	0.0	10	10	11	104	111	6	20	70-130
1,2,3-Trichloropropa	0.0	10	10	10	101	103	2	20	70-130
2-Chlorotoluene	0.0	10	10	10	99	102	3	20	70-130
4-Chlorotoluene	0.1	10	10	11	100	107	7	20	70-130
tert-Butylbenzene	0.0	10	10	10	99	103	4	20	70-130
1,2,4-Trimethylbenze	0.0	10	10	10	98	102	4	20	70-130
sec-Butylbenzene	0.0	10	10	10	98	103	5	20	70-130
p-Isopropyltoluene	0.0	10	10	10	98	103	5	20	70-130
1,3-Dichlorobenzene	0.1	10	10	10	97	99	2	20	70-130
1,4-Dichlorobenzene	0.1	10	10	10	98	103	5	20	70-130
1,2-Dichlorobenzene	0.1	10	10	10	97	100	2	20	70-130
1,2-Dibromo-3-chloro	0.0	10	10	10	96	97	1	20	70-130
1,2,4-Trichlorobenze	0.2	10	9	10	89	95	7	20	70-130
Hexachlorobutadiene	0.1	10	9	9	88	93	5	20	70-130
Naphthalene	0.1	10	9	10	91	96	6	20	70-130
1,2,3-Trichlorobenze	0.1	10	9	10	91	96	6	20	70-130

- Fails Limit Check

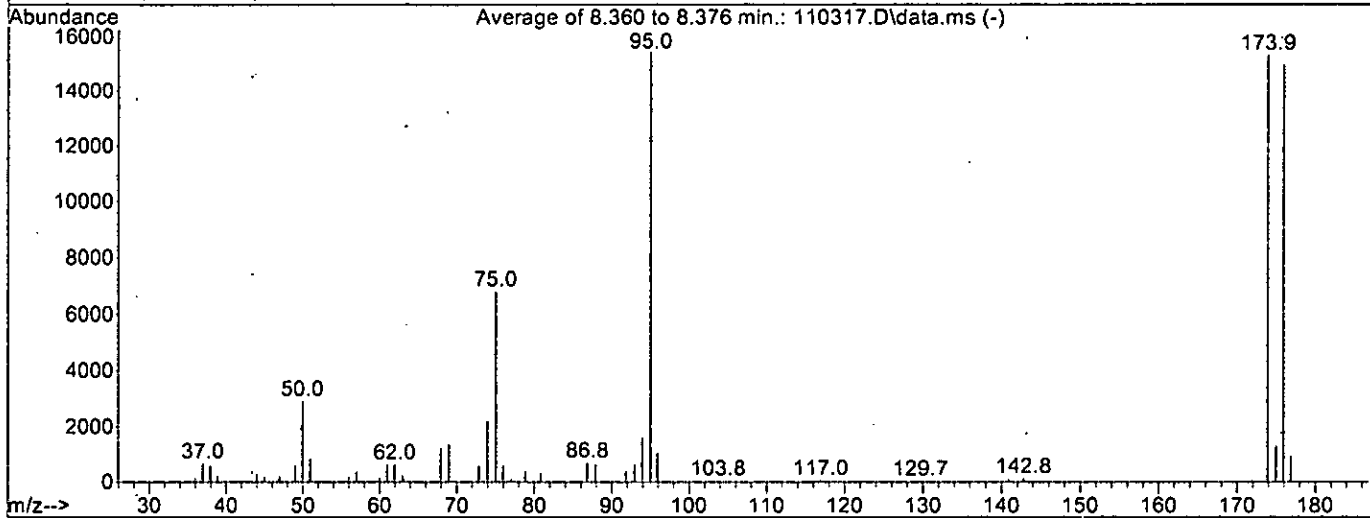
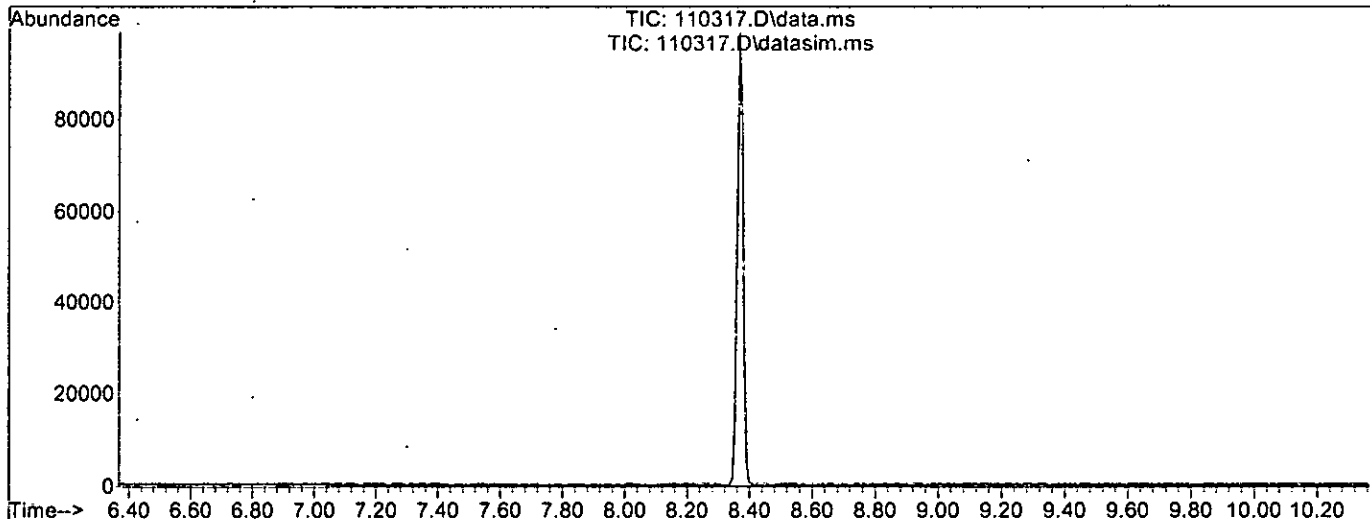
VB110322ms11.M

Mon Nov 07 14:38:28 2022

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110317.D
 Acq On : 03 Nov 2022 12:23 pm
 Operator : LM
 Sample : 50 ng BFB 67-152A
 Misc : water
 ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: LSCINT.P
 Integration File signal 2: rteint2.p

Method : D:\METHODS\Inst11\VB101422ms11.M
 Title : 8260 Purge & Trap Volatiles Dual Acquisition
 Last Update : Tue Oct 18 12:50:16 2022



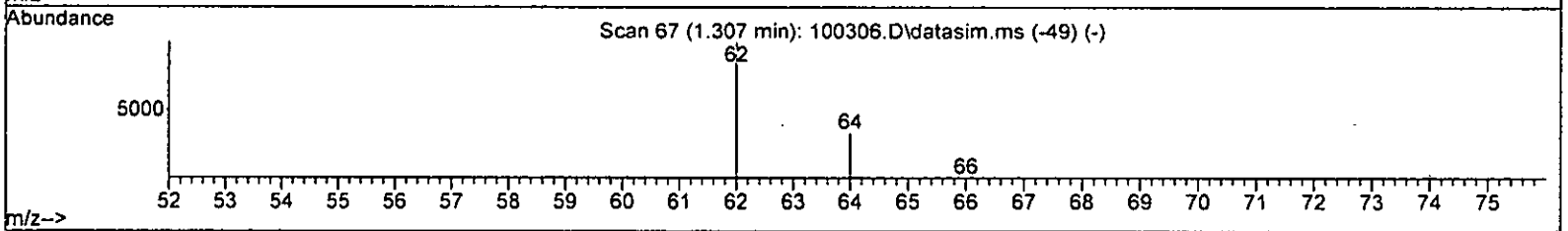
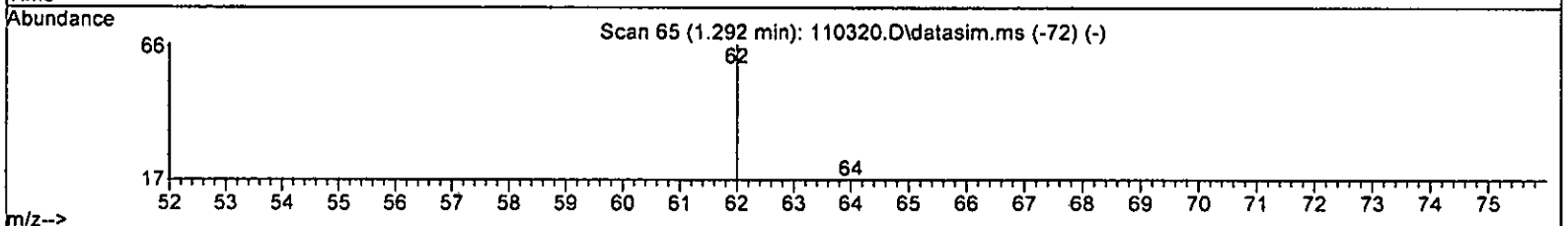
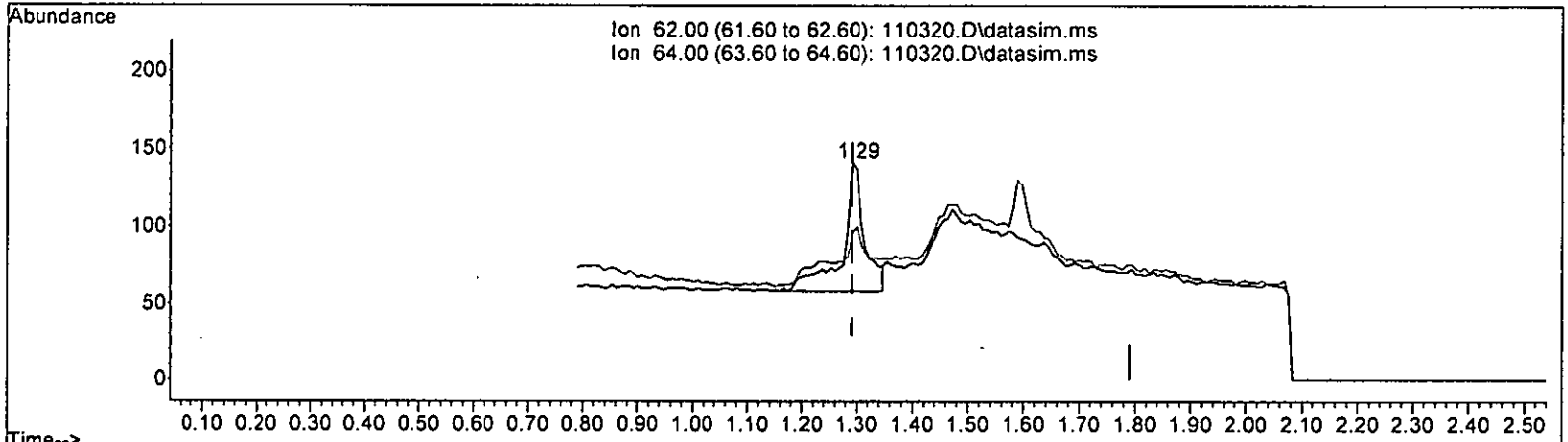
AutoFind: Scans 884, 885, 886; Background Corrected with Scan 879

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
95	174	50	200	101.0	15445	PASS
96	95	5	9	7.0	1082	PASS
173	174	0.00	2	0.4	67	PASS
174	95	50	200	99.0	15294	PASS
175	174	5	9	8.6	1317	PASS
176	174	95	105	97.6	14934	PASS
177	176	5	10	6.6	981	PASS

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110320.D
 Acq On : 03 Nov 2022 02:10 pm
 Operator : LM
 Sample : 0.02 ppb 8260 ICAL 67-177F
 Misc : soil/water
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 12:42:29 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 12:40:01 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M



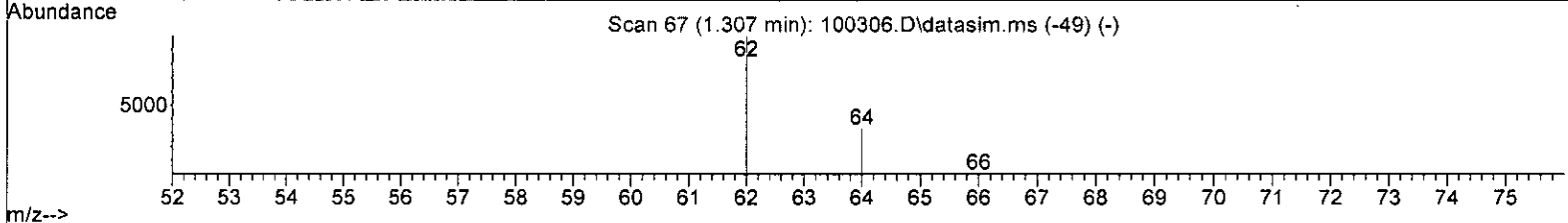
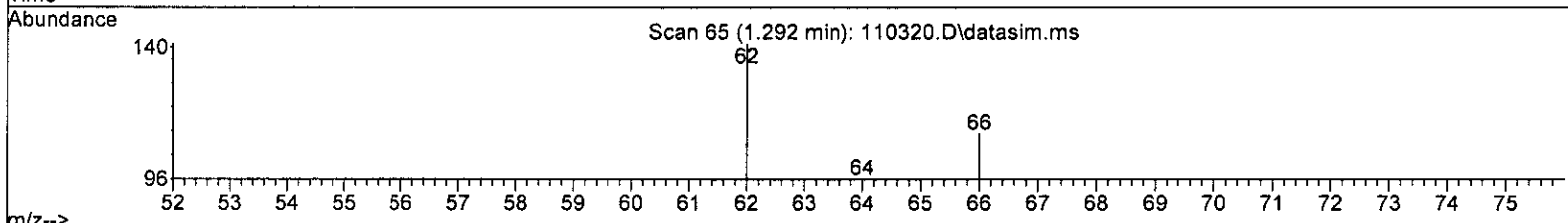
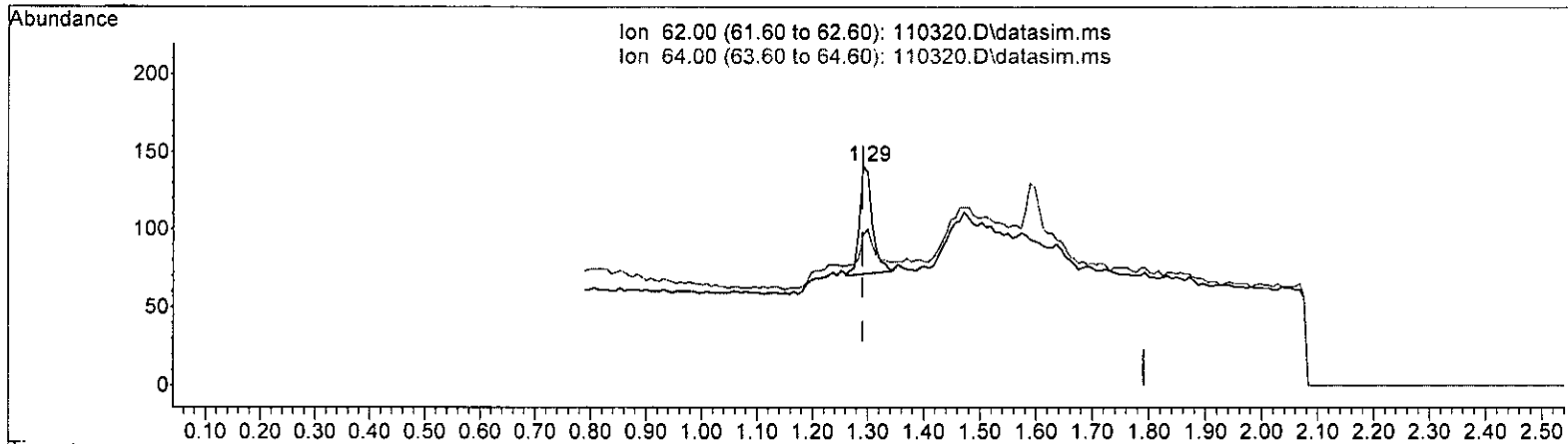
TIC: 110320.D\data.ms

(6) Vinyl chloride (TMP)		
1.292min (+ 0.001)	0.046 ppb	
response	234	
Ion	Exp%	Act%
62.00	100.00	100.00
64.00	32.40	40.96
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110320.D
 Acq On : 03 Nov 2022 02:10 pm
 Operator : LM
 Sample : 0.02 ppb 8260 ICAL 67-177F
 Misc : soil/water
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 12:42:29 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 12:40:01 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M



TIC: 110320.D\data.ms

(6) Vinyl chloride (TMP)

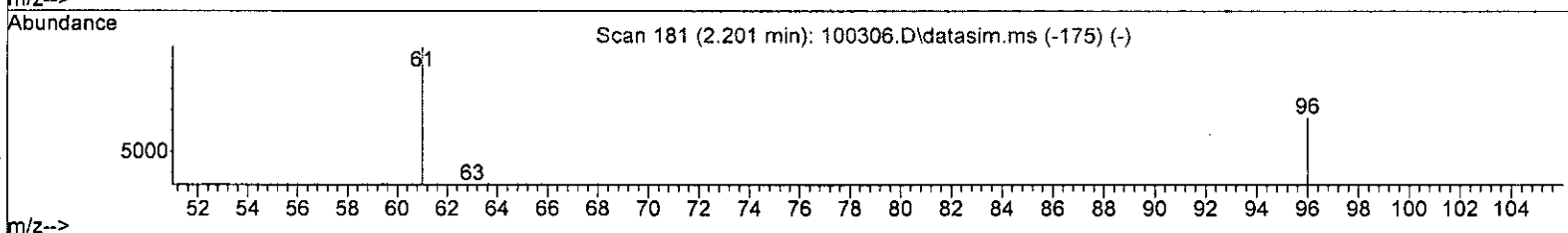
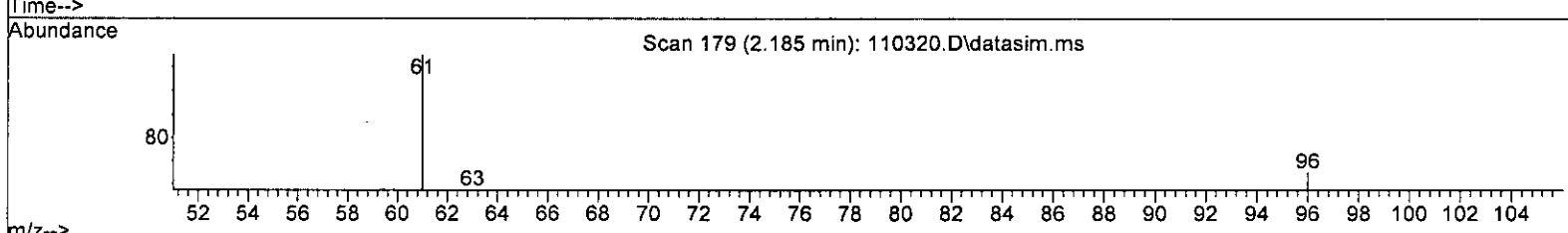
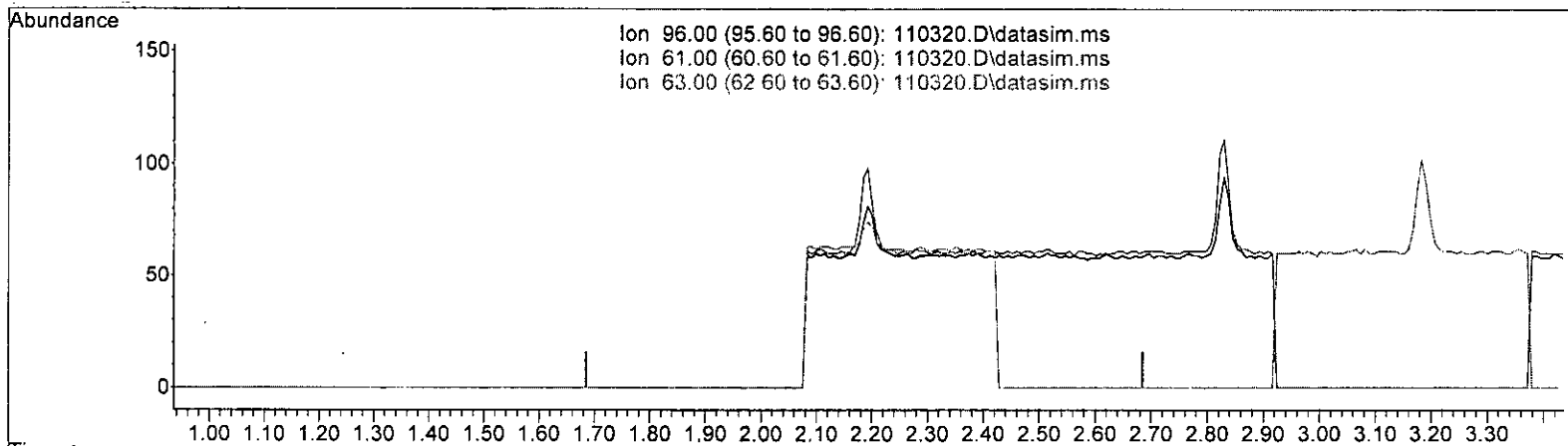
1.292min (+ 0.001) 0.021 ppb m

response	109
Ion	Exp% Act%
62.00	100.00 100.00
64.00	32.40 68.09#
0.00	0.00 0.00
0.00	0.00 0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110320.D
 Acq On : 03 Nov 2022 02:10 pm
 Operator : LM
 Sample : 0.02 ppb 8260 ICAL 67-177F
 Misc : soil/water
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 12:42:29 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 12:40:01 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M



TIC: 110320.D\data.ms

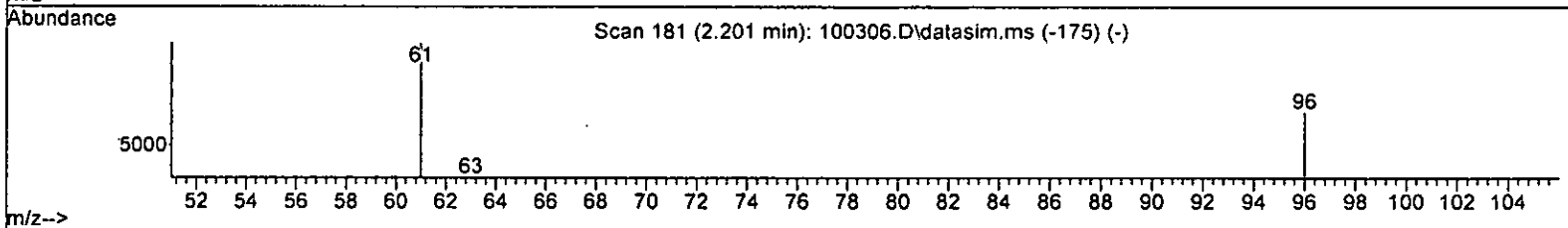
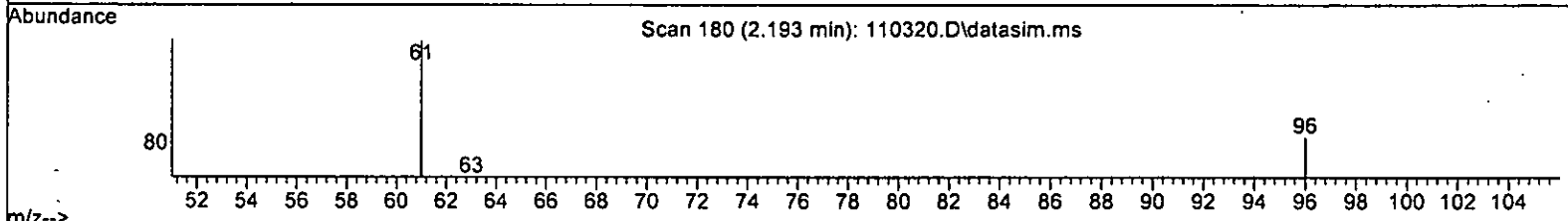
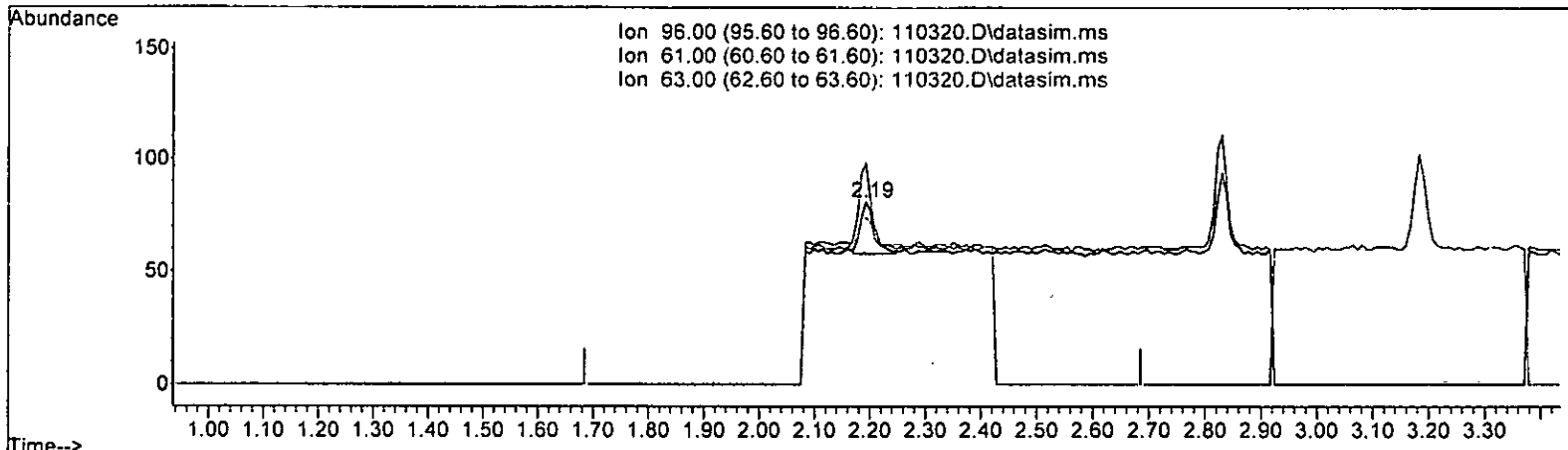
(12) 1,1-Dichloroethene (TMP)
 2.185min (-2.185) 0.000 ppb
 response 0

Ion	Exp%	Act%
96.00	100.00	0.00
61.00	155.80	0.00#
63.00	52.50	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110320.D
 Acq On : 03 Nov 2022 02:10 pm
 Operator : LM
 Sample : 0.02 ppb 8260 ICAL 67-177F
 Misc : soil/water
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 12:42:29 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 Qlast Update : Mon Nov 07 12:40:01 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M



TIC: 110320.D\data.ms

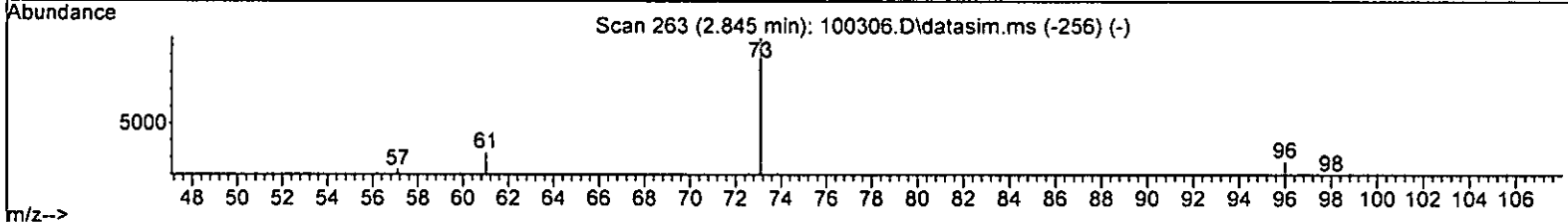
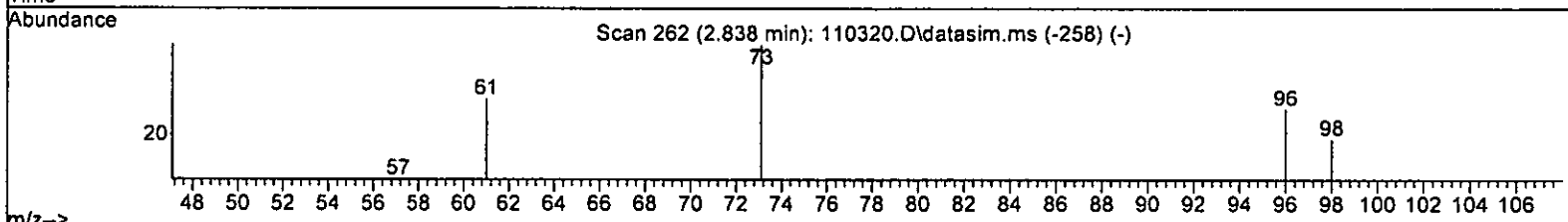
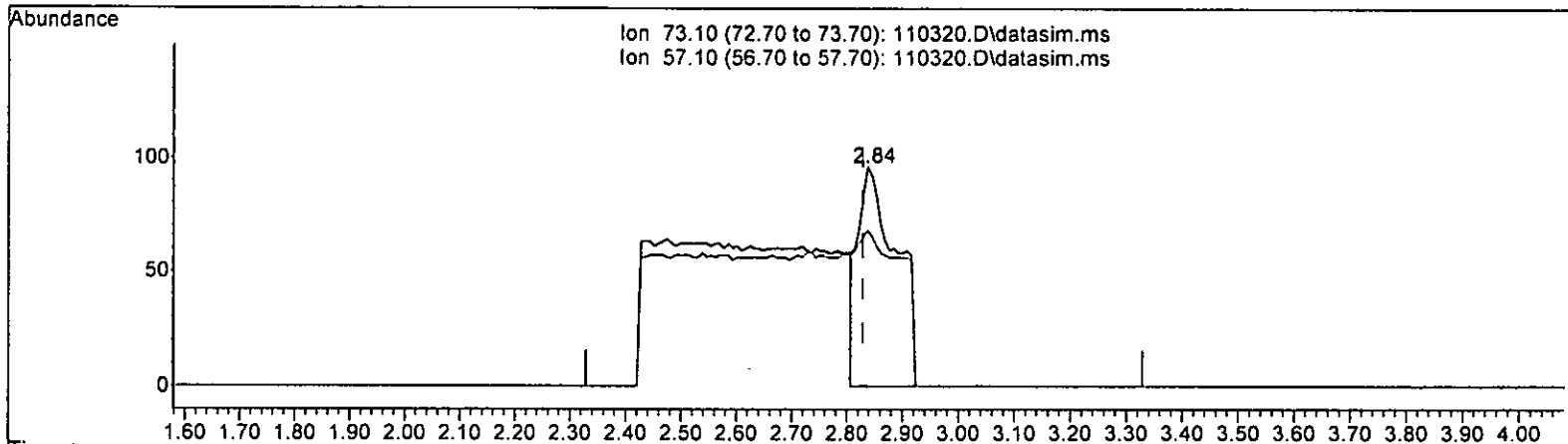
(12) 1,1-Dichloroethene (TMP)
 2.193min (+ 0.008) 0.024 ppb m

response	39	
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	155.80	120.99#
63.00	52.50	91.36#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110320.D
 Acq On : 03 Nov 2022 02:10 pm
 Operator : LM
 Sample : 0.02 ppb 8260 ICAL 67-177F
 Misc : soil/water
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 12:42:29 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 12:40:01 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M



TIC: 110320.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

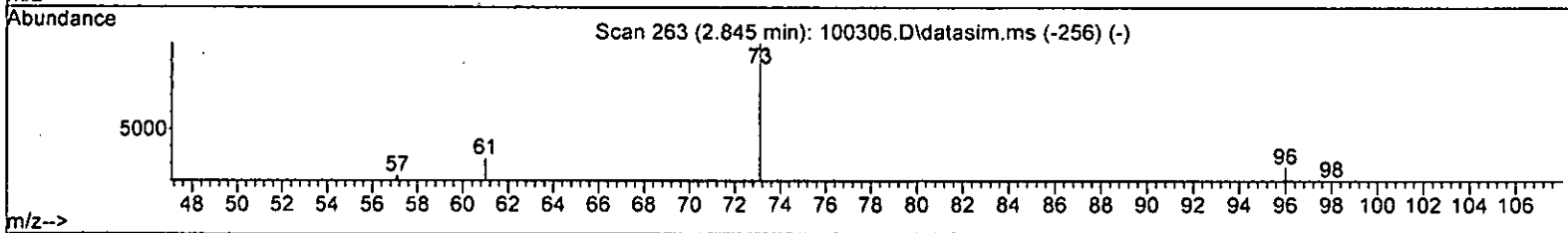
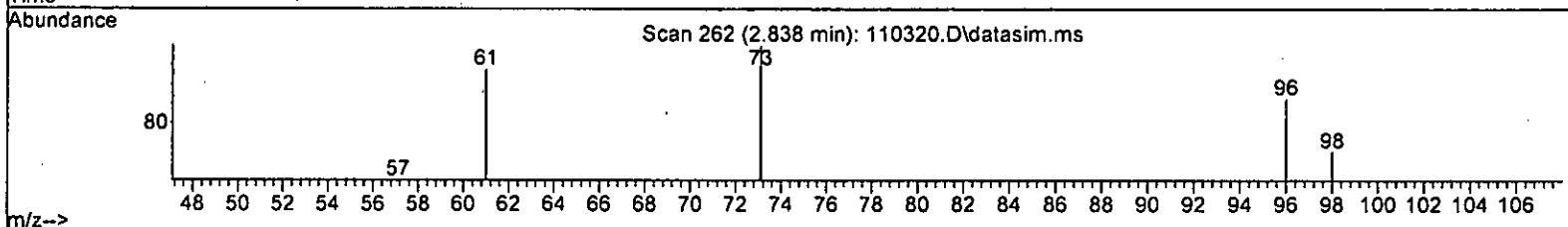
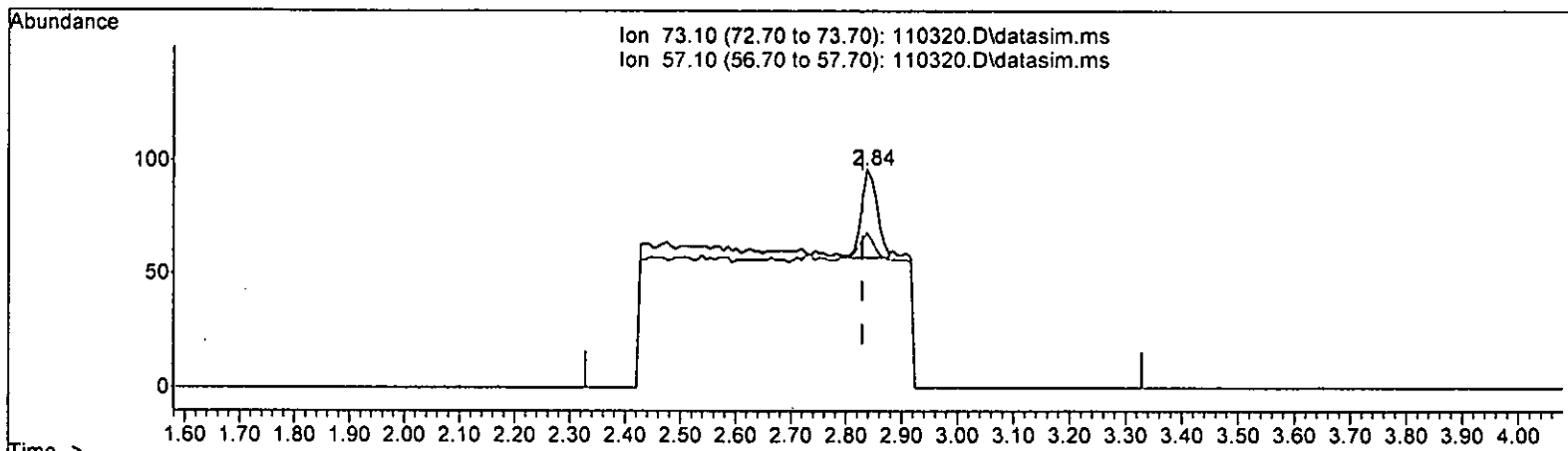
2.838min (+ 0.009) 0.107 ppb

response	456	
Ion	Exp%	Act%
73.10	100.00	100.00
57.10	23.10	70.83#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110320.D
 Acq On : 03 Nov 2022 02:10 pm
 Operator : LM
 Sample : 0.02 ppb 8260 ICAL 67-177F
 Misc : soil/water
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 12:42:29 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 Qlast Update : Mon Nov 07 12:40:01 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M



TIC: 110320.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)
 2.838min (+ 0.009) 0.018 ppb m

response	76
Ion	Exp% Act%
73.10	100.00 100.00
57.10	23.10 70.83#
0.00	0.00 0.00
0.00	0.00 0.00

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110320.D
 Acq On : 03 Nov 2022 02:10 pm
 Operator : LM
 Sample : 0.02 ppb 8260 ICAL 67-177F
 Misc : soil/water
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 12:42:29 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 12:40:01 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	4.63	96	60933	10.000	ppb	0.00	
39) Chlorobenzene-d5	7.27	117	43253	10.000	ppb	0.00	
56) 1,4-Dichlorobenzene-d4	9.48	152	24976	10.000	ppb	0.00	
System Monitoring Compounds							
3) Dibromofluoromethane	4.08	113	16692	9.674	ppb	0.00	
Spiked Amount	10.000	Range	50 - 150	Recovery	=	96.70%	
30) 1,2-Dichloroethane-d4	4.36	102	3820	9.950	ppb	0.00	
Spiked Amount	10.000	Range	79 - 128	Recovery	=	99.50%	
35) Toluene-d8	5.98	98	53763	9.940	ppb	0.00	
Spiked Amount	10.000	Range	84 - 121	Recovery	=	99.40%	
57) 4-Bromofluorobenzene	0.00	95	0d	0.000	ppb		
Spiked Amount	10.000	Range	84 - 116	Recovery	=	0.00%#	
Target Compounds							
							Qvalue
2) Ethanol	0.00		0	N.D.			
4) Dichlorodifluoromethane	0.00		0	N.D.			
5) Chloromethane	0.00		0	N.D.	d		
6] Vinyl chloride	1.29	62	109m	0.021	ppb		
7) Bromomethane	0.00		0	N.D.	d		
8) Chloroethane	0.00		0	N.D.	d		
9) Trichlorofluoromethane	0.00		0	N.D.			
10) 2-Propanol	0.00		0	N.D.			
11) Acetone	0.00		0	N.D.			
12] 1,1-Dichloroethene	2.19	96	39m	0.024	ppb		
13) Hexane	0.00		0	N.D.			
14) Methylene chloride	0.00		0	N.D.	d		
15) t-Butyl alcohol (TBA)	0.00		0	N.D.			
16] Methyl t-butyl ether (...)	2.84	73	76m	0.018	ppb		
17) trans-1,2-Dichloroethene	0.00		0	N.D.	d		
18) Diisopropyl ether (DIPE)	0.00		0	N.D.			
19] 1,1-Dichloroethane	3.18	63	66	0.021	ppb		96
20) Ethyl t-butyl ether (E...)	0.00		0	N.D.			
21) 2,2-Dichloropropane	0.00		0	N.D.			
22) cis-1,2-Dichloroethene	0.00		0	N.D.	d		
23) Chloroform	0.00		0	N.D.	d		
24) 2-Butanone (MEK)	0.00		0	N.D.	d		
25) t-Amyl methyl ether (T...)	0.00		0	N.D.			
26) 1,2-Dichloroethane (EDC)	0.00		0	N.D.	d		
27) 1,1,1-Trichloroethane	0.00		0	N.D.			
28) 1,1-Dichloropropene	0.00		0	N.D.			
29) Carbon tetrachloride	0.00		0	N.D.			
31) Benzene	0.00		0	N.D.	d		
32] Trichloroethene	4.93	95	53	0.028	ppb		85
33) 1,2-Dichloropropane	0.00		0	N.D.			
34) Bromodichloromethane	0.00		0	N.D.			
36) Dibromomethane	0.00		0	N.D.			

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110320.D
 Acq On : 03 Nov 2022 02:10 pm
 Operator : LM
 Sample : 0.02 ppb 8260 ICAL 67-177F
 Misc : soil/water
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS11

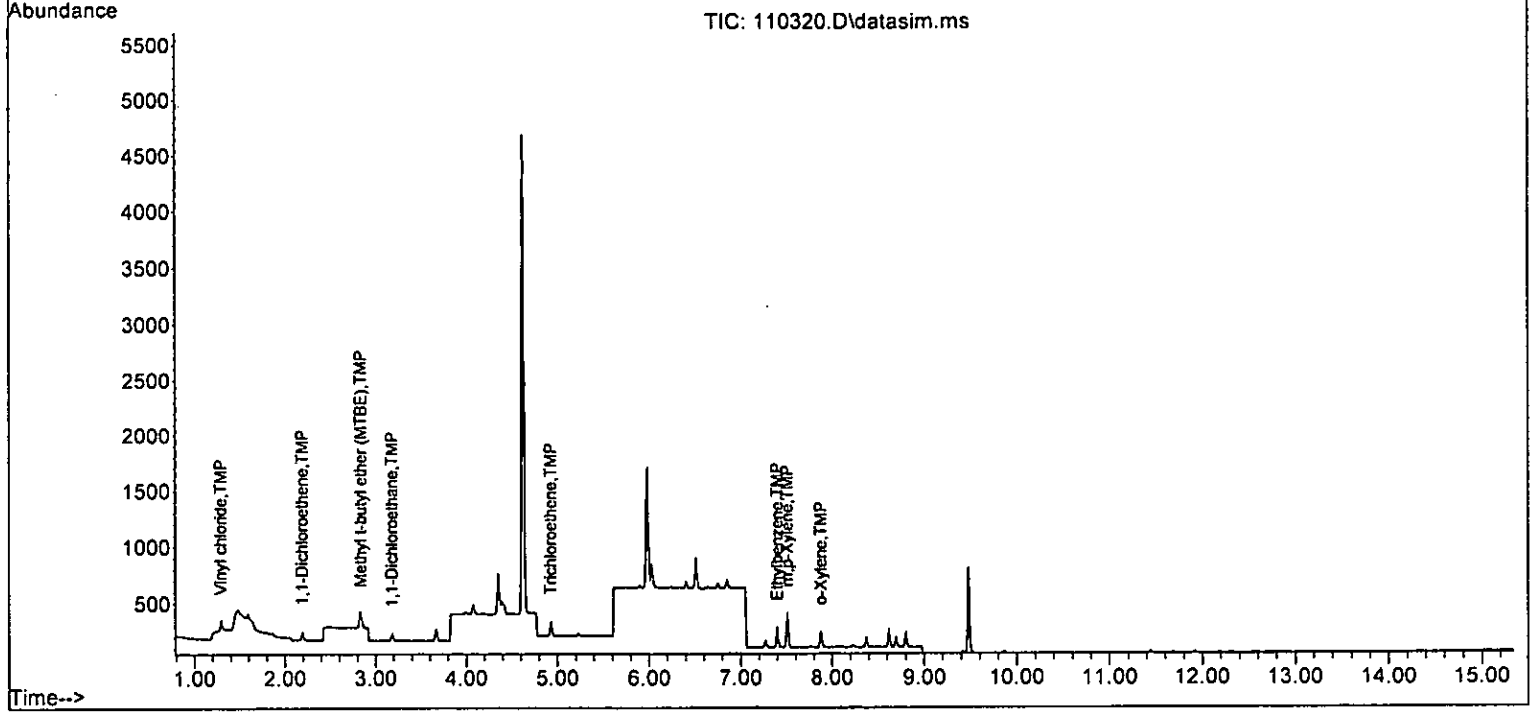
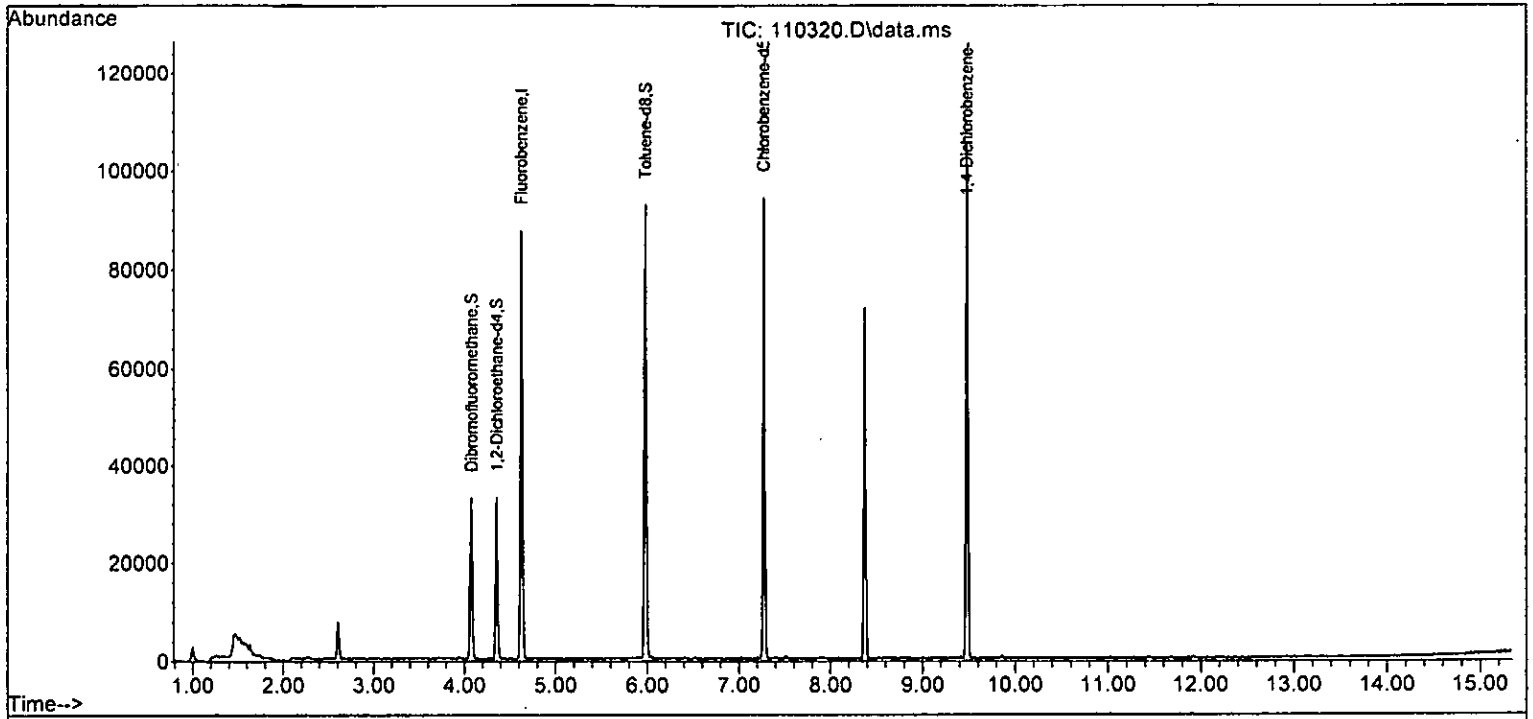
Quant Time: Nov 07 12:42:29 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 12:40:01 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.00		0		N.D.	
38) cis-1,3-Dichloropropene	0.00		0		N.D.	
40) Toluene	0.00		0		N.D. d	
41) trans-1,3-Dichloropropene	0.00		0		N.D.	
42) 1,1,2-Trichloroethane	0.00		0		N.D.	
43) 2-Hexanone	0.00		0		N.D. d	
44) 1,3-Dichloropropane	0.00		0		N.D.	
45) Tetrachloroethene	0.00		0		N.D. d	
46) Dibromochloromethane	0.00		0		N.D.	
47) 1,2-Dibromoethane (EDB)	0.00		0		N.D.	
48) Chlorobenzene	0.00		0		N.D. d	
49] Ethylbenzene	7.40	91	180	0.026	ppb	94
50) 1,1,1,2-Tetrachloroethane	0.00		0		N.D.	
51] m,p-Xylene	7.51	106	140	0.052	ppb	88
52] o-Xylene	7.88	106	66	0.025	ppb	89
53) Styrene	0.00		0		N.D. d	
54) Isopropylbenzene	0.00		0		N.D. d	
55) Bromoform	0.00		0		N.D.	
58) n-Propylbenzene	0.00		0		N.D. d	
59) Bromobenzene	0.00		0		N.D. d	
60) 1,3,5-Trimethylbenzene	0.00		0		N.D. d	
61) 1,1,2,2-Tetrachloroethane	0.00		0		N.D. d	
62) 1,2,3-Trichloropropane	0.00		0		N.D. d	
63) 2-Chlorotoluene	0.00		0		N.D. d	
64) 4-Chlorotoluene	0.00		0		N.D. d	
65) tert-Butylbenzene	0.00		0		N.D.	
66) 1,2,4-Trimethylbenzene	0.00		0		N.D. d	
67) sec-Butylbenzene	0.00		0		N.D. d	
68) p-Isopropyltoluene	0.00		0		N.D. d	
69) 1,3-Dichlorobenzene	0.00		0		N.D. d	
70) 1,4-Dichlorobenzene	0.00		0		N.D. d	
71) 1,2-Dichlorobenzene	0.00		0		N.D. d	
72) 1,2-Dibromo-3-chloropr...	0.00		0		N.D.	
73) 1,2,4-Trichlorobenzene	0.00		0		N.D. d	
74) Hexachlorobutadiene	0.00		0		N.D.	
75) Naphthalene	0.00		0		N.D. d	
76) 1,2,3-Trichlorobenzene	0.00		0		N.D. d	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110320.D
 Acq On : 03 Nov 2022 02:10 pm
 Operator : LM
 Sample : 0.02 ppb 8260 ICAL 67-177F
 Misc : soil/water
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 12:42:29 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 12:40:01 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M



Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110320.D
 Acq On : 03 Nov 2022 02:10 pm
 Operator : LM
 Sample : 0.02 ppb 8260 ICAL 67-177F
 Misc : soil/water
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 12:42:29 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 12:40:01 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I Fluorobenzene	10.000	10.000	0.0	100	0.00
2 TMP Ethanol	-1.000	0.000	0.0	0	-1.86#
3 S Dibromofluoromethane	10.000	9.674	3.3	100	0.00
4 TMP Dichlorodifluoromethane	-1.000	0.000	0.0	0	-1.09#
5 TMP Chloromethane	-1.000	0.000	0.0	0	-1.22#
6 TMP Vinyl chloride	0.020	0.021	-5.0	98	0.00
7 TMP Bromomethane	-1.000	0.000	0.0	0	-1.52#
8 TMP Chloroethane	-1.000	0.000	0.0	0	-1.59#
9 TMP Trichlorofluoromethane	-1.000	0.000	0.0	0	-1.77#
10 TMP 2-Propanol	-1.000	0.000	0.0	0	-2.43#
11 TMP Acetone	-1.000	0.000	0.0	0	-2.25#
12 TMP 1,1-Dichloroethene	0.020	0.024	-20.0	103	0.00
13 TMP Hexane	-1.000	0.000	0.0	0	-3.05#
14 TMP Methylene chloride	-1.000	0.000	0.0	0	-2.60#
15 TMP t-Butyl alcohol (TBA)	-1.000	0.000	0.0	0	-2.72#
16 TMP Methyl t-butyl ether (MTBE)	0.020	0.018	10.0	100	0.00
17 TMP trans-1,2-Dichloroethene	0.020	0.000	100.0#	0	-2.82#
18 TMP Diisopropyl ether (DIPE)	-1.000	0.000	0.0	0	-3.23#
19 TMP 1,1-Dichloroethane	0.020	0.021	-5.0	100	0.00
20 TMP Ethyl t-butyl ether (ETBE)	-1.000	0.000	0.0	0	-3.54#
21 TMP 2,2-Dichloropropane	-1.000	0.000	0.0	0	-3.66#
22 TMP cis-1,2-Dichloroethene	0.020	0.000	100.0#	0	-3.66#
23 TMP Chloroform	-1.000	0.000	0.0	0	-3.94#
24 TMP 2-Butanone (MEK)	-1.000	0.000	0.0	0	-3.70#
25 TMP t-Amyl methyl ether (TAME)	-1.000	0.000	0.0	0	-4.49#
26 TMP 1,2-Dichloroethane (EDC)	0.020	0.000	100.0#	0	-4.41#
27 TMP 1,1,1-Trichloroethane	0.020	0.000	100.0#	0	-4.08#
28 TMP 1,1-Dichloropropene	-1.000	0.000	0.0	0	-4.22#
29 TMP Carbon tetrachloride	-1.000	0.000	0.0	0	-4.21#
30 S 1,2-Dichloroethane-d4	10.000	9.950	0.5	100	0.00
31 TMP Benzene	0.020	0.000	100.0#	0	-4.38#
32 TMP Trichloroethene	0.020	0.028	-40.0#	100	0.00
33 TMP 1,2-Dichloropropane	-1.000	0.000	0.0	0	-5.13#
34 TMP Bromodichloromethane	-1.000	0.000	0.0	0	-5.37#
35 S Toluene-d8	10.000	9.940	0.6	100	0.00
36 TMP Dibromomethane	-1.000	0.000	0.0	0	-5.23#
37 TMP 4-Methyl-2-pentanone	-1.000	0.000	0.0	0	-5.91#
38 TMP cis-1,3-Dichloropropene	-1.000	0.000	0.0	0	-5.75#
39 I Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40 TMP Toluene	-1.000	0.000	0.0	0	-6.03#
41 TMP trans-1,3-Dichloropropene	-1.000	0.000	0.0	0	-6.25#
42 TMP 1,1,2-Trichloroethane	0.020	0.000	100.0#	0	-6.40#
43 TMP 2-Hexanone	-1.000	0.000	0.0	0	-6.64#

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110320.D
 Acq On : 03 Nov 2022 02:10 pm
 Operator : LM
 Sample : 0.02 ppb 8260 ICAL 67-177F
 Misc : soil/water
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 12:42:29 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 12:40:01 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	-1.000	0.000	0.0	0	-6.55#
45 TMP Tetrachloroethene	0.020	0.000	100.0#	0	-6.51#
46 TMP Dibromochloromethane	-1.000	0.000	0.0	0	-6.75#
47 TMP 1,2-Dibromoethane (EDB)	0.020	0.000	100.0#	0	-6.85#
48 TMP Chlorobenzene	-1.000	0.000	0.0	0	-7.29#
49 TMP Ethylbenzene	0.020	0.026	-30.0#	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	-1.000	0.000	0.0	0	-7.38#
51 TMP m,p-Xylene	0.040	0.052	-30.0#	100	0.00
52 TMP o-Xylene	0.020	0.025	-25.0#	100	0.00
53 TMP Styrene	-1.000	0.000	0.0	0	-7.90#
54 TMP Isopropylbenzene	-1.000	0.000	0.0	0	-8.23#
55 TMP Bromoform	-1.000	0.000	0.0	0	-8.07#
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	10.000	0.000	100.0#	0	-8.38#
58 TMP n-Propylbenzene	-1.000	0.000	0.0	0	-8.62#
59 TMP Bromobenzene	-1.000	0.000	0.0	0	-8.51#
60 TMP 1,3,5-Trimethylbenzene	-1.000	0.000	0.0	0	-8.79#
61 TMP 1,1,2,2-Tetrachloroethane	-1.000	0.000	0.0	0	-8.53#
62 TMP 1,2,3-Trichloropropane	-1.000	0.000	0.0	0	-8.56#
63 TMP 2-Chlorotoluene	-1.000	0.000	0.0	0	-8.70#
64 TMP 4-Chlorotoluene	-1.000	0.000	0.0	0	-8.80#
65 TMP tert-Butylbenzene	-1.000	0.000	0.0	0	-9.10#
66 TMP 1,2,4-Trimethylbenzene	-1.000	0.000	0.0	0	-9.15#
67 TMP sec-Butylbenzene	-1.000	0.000	0.0	0	-9.31#
68 TMP p-Isopropyltoluene	-1.000	0.000	0.0	0	-9.46#
69 TMP 1,3-Dichlorobenzene	-1.000	0.000	0.0	0	-9.42#
70 TMP 1,4-Dichlorobenzene	-1.000	0.000	0.0	0	-9.50#
71 TMP 1,2-Dichlorobenzene	-1.000	0.000	0.0	0	-9.86#
72 TMP 1,2-Dibromo-3-chloropropane	-1.000	0.000	0.0	0	-10.63#
73 TMP 1,2,4-Trichlorobenzene	-1.000	0.000	0.0	0	-11.44#
74 TMP Hexachlorobutadiene	-1.000	0.000	0.0	0	-11.61#
75 TMP Naphthalene	-1.000	0.000	0.0	0	-11.68#
76 TMP 1,2,3-Trichlorobenzene	-1.000	0.000	0.0	0	-11.92#

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110320.D
 Acq On : 03 Nov 2022 02:10 pm
 Operator : LM
 Sample : 0.02 ppb 8260 ICAL 67-177F
 Misc : soil/water
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 12:42:29 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 12:40:01 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2 TMP	Ethanol	0.000	0.000#	0.0	0#	-1.86#
3 S	Dibromofluoromethane	0.283	0.274	3.2	100	0.00
4 TMP	Dichlorodifluoromethane	0.771	0.000#	100.0#	0#	-1.09#
5 TMP	Chloromethane	0.937	0.000#	100.0#	0#	-1.22#
6 TMP	Vinyl chloride	0.838	0.894	-6.7	98	0.00
7 TMP	Bromomethane	0.490	0.000#	100.0#	0#	-1.52#
8 TMP	Chloroethane	0.420	0.000#	100.0#	0#	-1.59#
9 TMP	Trichlorofluoromethane	0.910	0.000#	100.0#	0#	-1.77#
10 TMP	2-Propanol	0.000	0.000	0.0	0#	-2.43#
11 TMP	Acetone	0.046	0.000#	100.0#	0#	-2.25#
12 TMP	1,1-Dichloroethene	0.262	0.320	-22.1#	103	0.00
13 TMP	Hexane	0.408	0.000#	100.0#	0#	-3.05#
14 TMP	Methylene chloride	0.307	0.000#	100.0#	0#	-2.60#
15 TMP	t-Butyl alcohol (TBA)	0.034	0.000#	100.0#	0#	-2.72#
16 TMP	Methyl t-butyl ether (MTBE)	0.698	0.624	10.6	100	0.00
17 TMP	trans-1,2-Dichloroethene	0.296	0.000#	100.0#	0#	-2.82#
18 TMP	Diisopropyl ether (DIPE)	0.862	0.000#	100.0#	0#	-3.23#
19 TMP	1,1-Dichloroethane	0.527	0.542	-2.8	100	0.00
20 TMP	Ethyl t-butyl ether (ETBE)	0.290	0.000#	100.0#	0#	-3.54#
21 TMP	2,2-Dichloropropane	0.356	0.000#	100.0#	0#	-3.66#
22 TMP	cis-1,2-Dichloroethene	0.316	0.000#	100.0#	0#	-3.66#
23 TMP	Chloroform	0.496	0.000#	100.0#	0#	-3.94#
24 TMP	2-Butanone (MEK)	0.170	0.000#	100.0#	0#	-3.70#
25 TMP	t-Amyl methyl ether (TAME)	0.673	0.000#	100.0#	0#	-4.49#
26 TMP	1,2-Dichloroethane (EDC)	0.375	0.000#	100.0#	0#	-4.41#
27 TMP	1,1,1-Trichloroethane	0.428	0.000#	100.0#	0#	-4.08#
28 TMP	1,1-Dichloropropene	0.346	0.000#	100.0#	0#	-4.22#
29 TMP	Carbon tetrachloride	0.372	0.000#	100.0#	0#	-4.21#
30 S	1,2-Dichloroethane-d4	0.063	0.063	0.0	100	0.00
31 TMP	Benzene	1.078	0.000#	100.0#	0#	-4.38#
32 TMP	Trichloroethene	0.311	0.435	-39.9#	100	0.00
33 TMP	1,2-Dichloropropane	0.266	0.000#	100.0#	0#	-5.13#
34 TMP	Bromodichloromethane	0.319	0.000#	100.0#	0#	-5.37#
35 S	Toluene-d8	0.888	0.882	0.7	100	0.00
36 TMP	Dibromomethane	0.162	0.000#	100.0#	0#	-5.23#
37 TMP	4-Methyl-2-pentanone	0.045	0.000#	100.0#	0#	-5.91#
38 TMP	cis-1,3-Dichloropropene	0.364	0.000#	100.0#	0#	-5.75#
39 I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40 TMP	Toluene	0.869	0.000#	100.0#	0#	-6.03#
41 TMP	trans-1,3-Dichloropropene	0.405	0.000#	100.0#	0#	-6.25#
42 TMP	1,1,2-Trichloroethane	0.260	0.000#	100.0#	0#	-6.40#
43 TMP	2-Hexanone	0.268	0.000#	100.0#	0#	-6.64#

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110320.D
 Acq On : 03 Nov 2022 02:10 pm
 Operator : LM
 Sample : 0.02 ppb 8260 ICAL 67-177F
 Misc : soil/water
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 12:42:29 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 12:40:01 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.430	0.000#	100.0#	0#	-6.55#
45 TMP Tetrachloroethene	0.406	0.000#	100.0#	0#	-6.51#
46 TMP Dibromochloromethane	0.344	0.000#	100.0#	0#	-6.75#
47 TMP 1,2-Dibromoethane (EDB)	0.317	0.000#	100.0#	0#	-6.85#
48 TMP Chlorobenzene	0.922	0.000#	100.0#	0#	-7.29#
49 TMP Ethylbenzene	1.605	2.081	-29.7#	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.356	0.000#	100.0#	0#	-7.38#
51 TMP m,p-Xylene	0.626	0.809	-29.2#	100	0.00
52 TMP o-Xylene	0.622	0.763	-22.7#	100	0.00
53 TMP Styrene	0.907	0.000#	100.0#	0#	-7.90#
54 TMP Isopropylbenzene	1.561	0.000#	100.0#	0#	-8.23#
55 TMP Bromoform	0.258	0.000#	100.0#	0#	-8.07#
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	0.748	0.000	100.0#	0#	-8.38#
58 TMP n-Propylbenzene	3.027	0.000#	100.0#	0#	-8.62#
59 TMP Bromobenzene	0.740	0.000#	100.0#	0#	-8.51#
60 TMP 1,3,5-Trimethylbenzene	2.224	0.000#	100.0#	0#	-8.79#
61 TMP 1,1,2,2-Tetrachloroethane	0.717	0.000#	100.0#	0#	-8.53#
62 TMP 1,2,3-Trichloropropane	0.549	0.000#	100.0#	0#	-8.56#
63 TMP 2-Chlorotoluene	1.828	0.000#	100.0#	0#	-8.70#
64 TMP 4-Chlorotoluene	1.994	0.000#	100.0#	0#	-8.80#
65 TMP tert-Butylbenzene	1.953	0.000#	100.0#	0#	-9.10#
66 TMP 1,2,4-Trimethylbenzene	2.250	0.000#	100.0#	0#	-9.15#
67 TMP sec-Butylbenzene	2.892	0.000#	100.0#	0#	-9.31#
68 TMP p-Isopropyltoluene	2.502	0.000#	100.0#	0#	-9.46#
69 TMP 1,3-Dichlorobenzene	1.434	0.000#	100.0#	0#	-9.42#
70 TMP 1,4-Dichlorobenzene	1.430	0.000#	100.0#	0#	-9.50#
71 TMP 1,2-Dichlorobenzene	1.428	0.000#	100.0#	0#	-9.86#
72 TMP 1,2-Dibromo-3-chloropropane	0.145	0.000#	100.0#	0#	-10.63#
73 TMP 1,2,4-Trichlorobenzene	1.063	0.000#	100.0#	0#	-11.44#
74 TMP Hexachlorobutadiene	0.623	0.000#	100.0#	0#	-11.61#
75 TMP Naphthalene	2.362	0.000#	100.0#	0#	-11.68#
76 TMP 1,2,3-Trichlorobenzene	0.987	0.000#	100.0#	0#	-11.92#

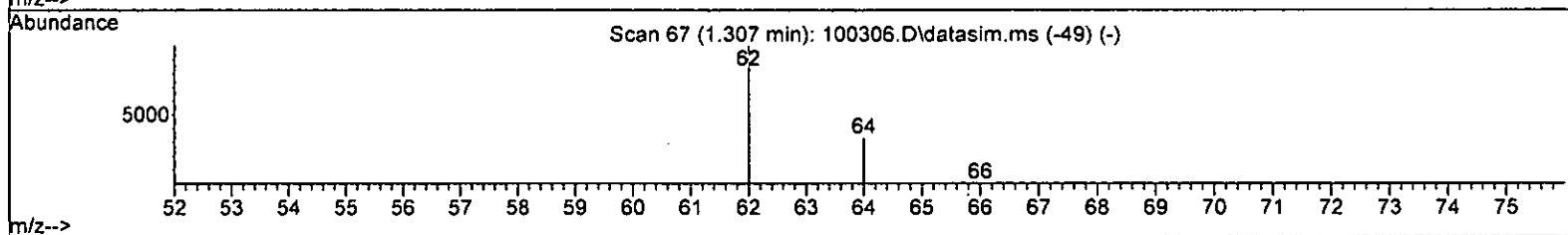
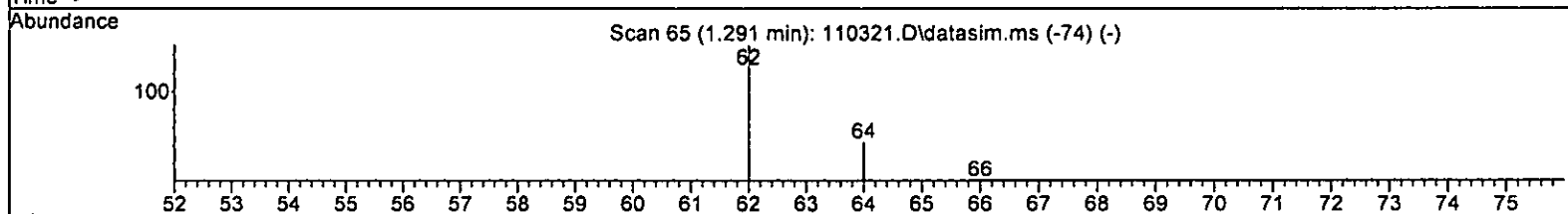
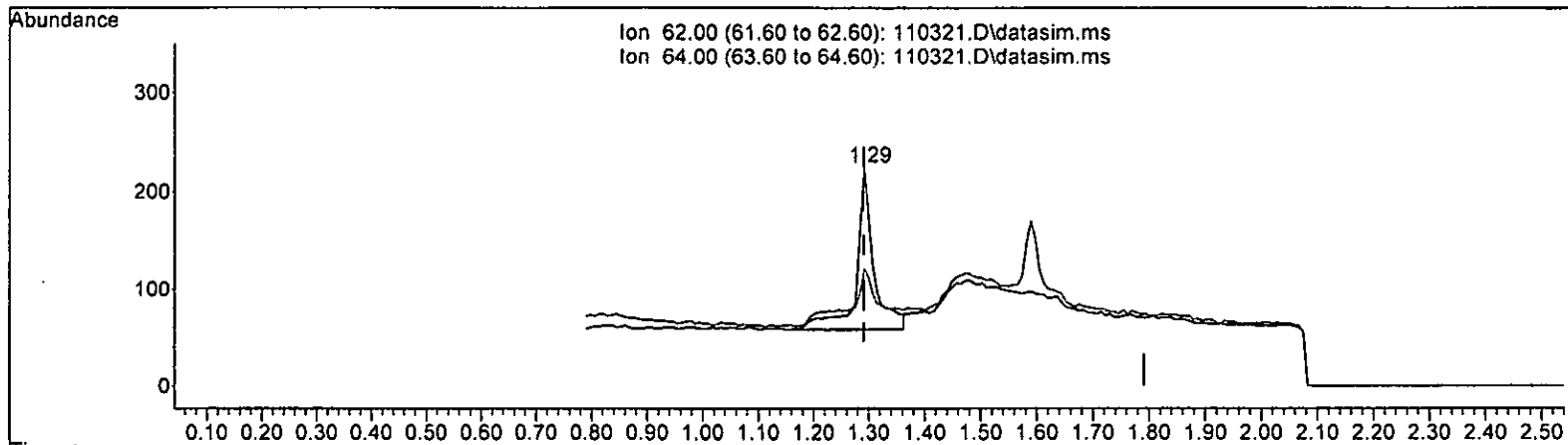
(#) = Out of Range

SPCC's out = 60 CCC's out = 0

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110321.D
 Acq On : 03 Nov 2022 02:32 pm
 Operator : LM
 Sample : 0.04 ppb 8260 ICAL 67-177G
 Misc : soil/water
 ALS Vial : 11 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 13:03:16 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M



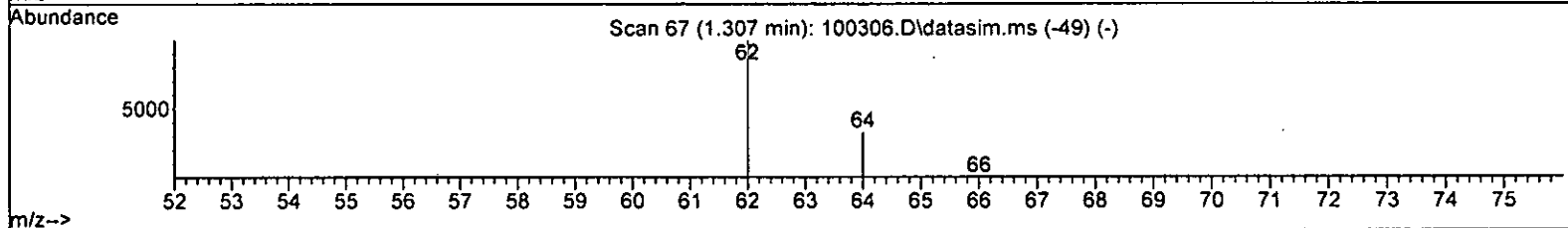
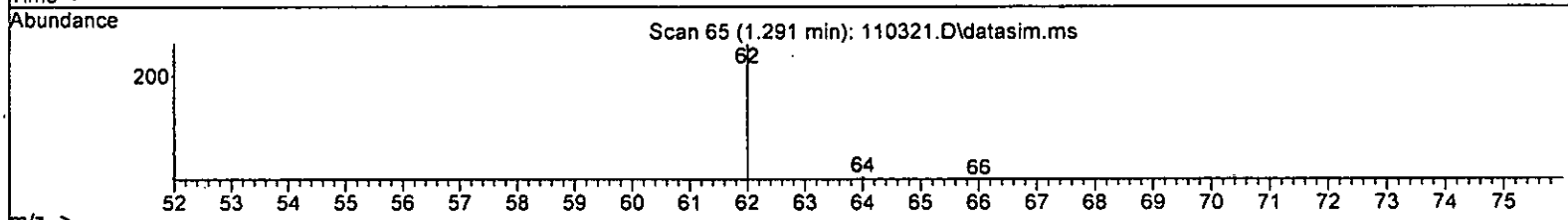
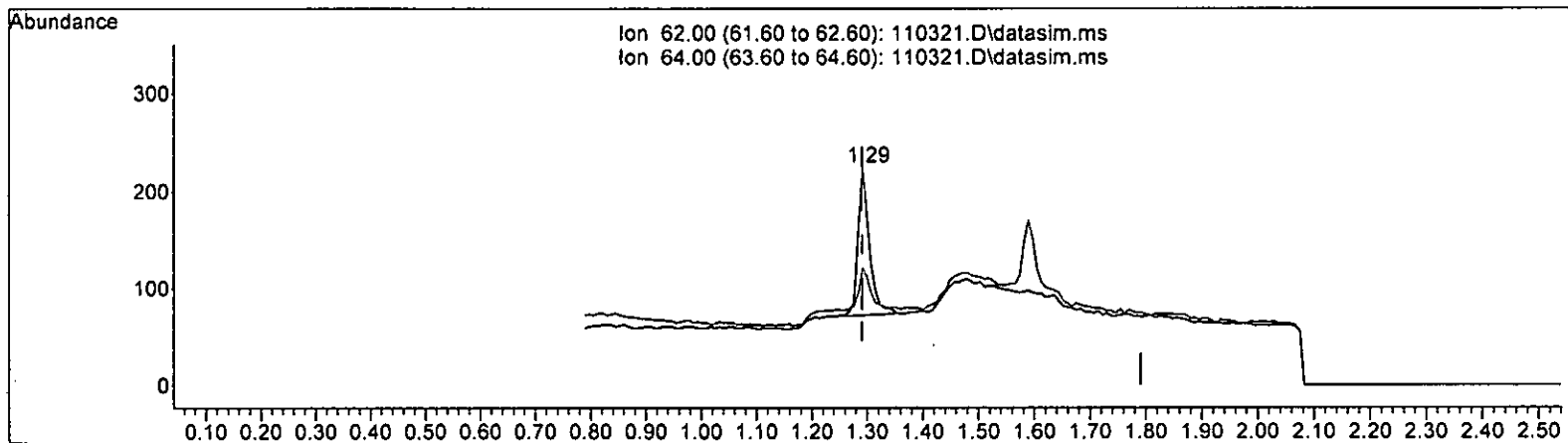
TIC: 110321.D\data.ms

(6) Vinyl chloride (TMP)		
1.291min (+ 0.000)	0.074 ppb	
response	365	
Ion	Exp%	Act%
62.00	100.00	100.00
64.00	32.40	34.73
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110321.D
 Acq On : 03 Nov 2022 02:32 pm
 Operator : LM
 Sample : 0.04 ppb 8260 ICAL 67-177G
 Misc : soil/water
 ALS Vial : 11 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 13:03:16 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M



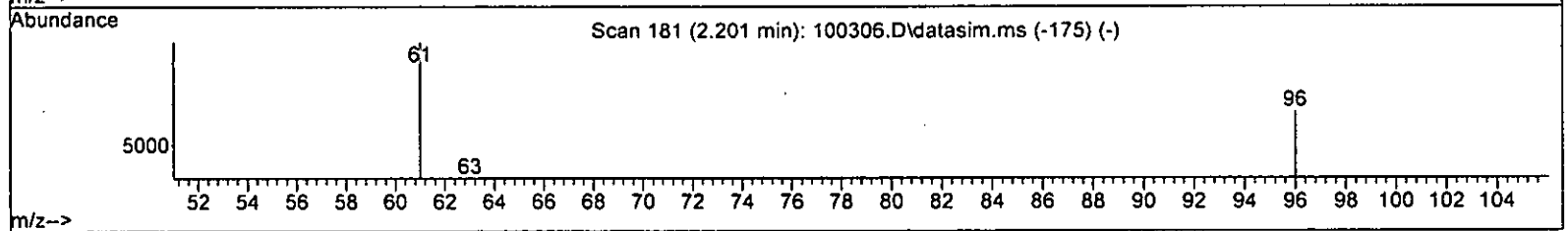
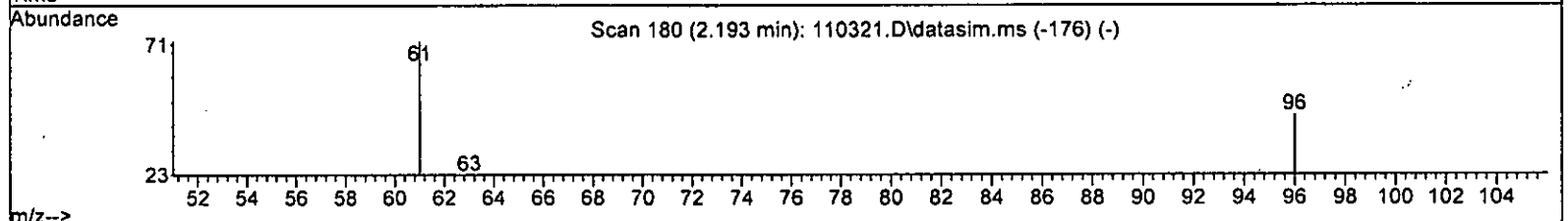
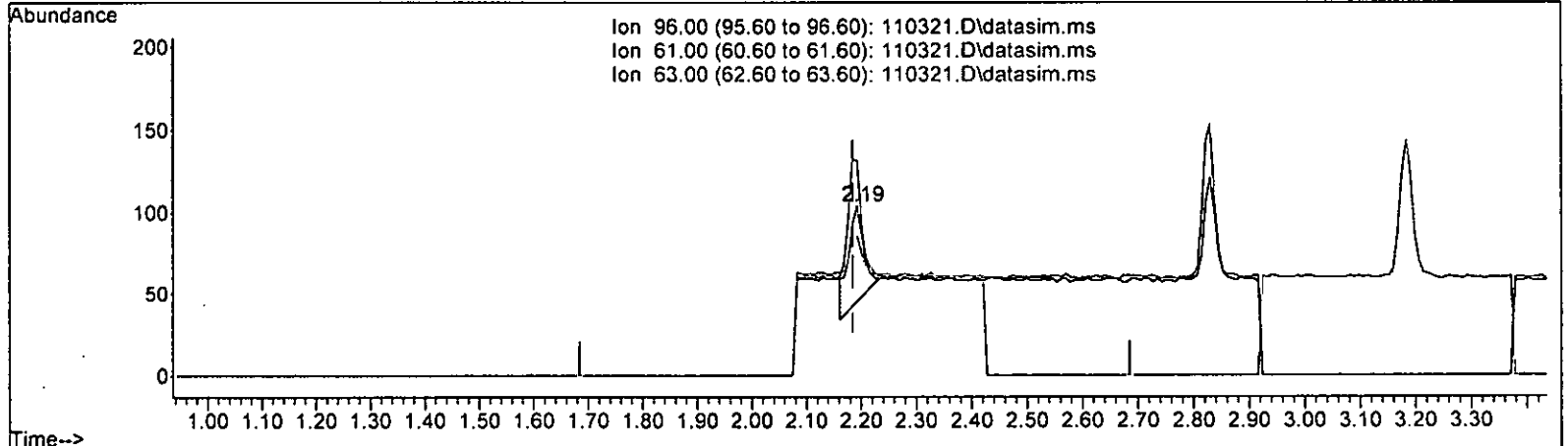
TIC: 110321.D\data.ms

(6) Vinyl chloride (TMP)		
1.291min (+ 0.000)	0.044 ppb m	
response	217	
Ion	Exp%	Act%
62.00	100.00	100.00
64.00	32.40	53.78
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110321.D
 Acq On : 03 Nov 2022 02:32 pm
 Operator : LM
 Sample : 0.04 ppb 8260 ICAL 67-177G
 Misc : soil/water
 ALS Vial : 11 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 13:03:16 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M



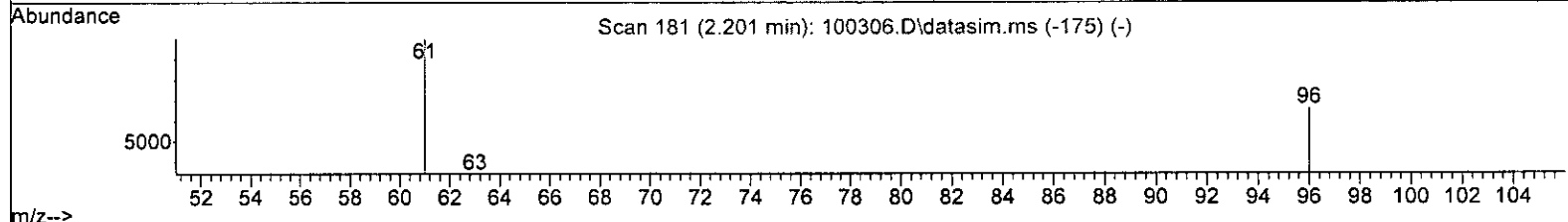
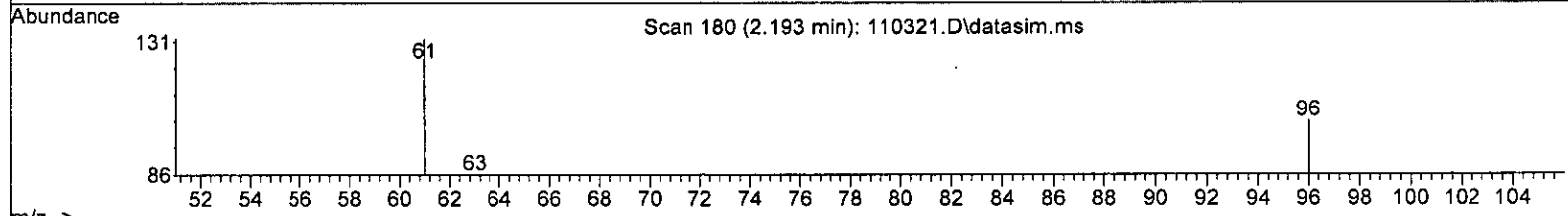
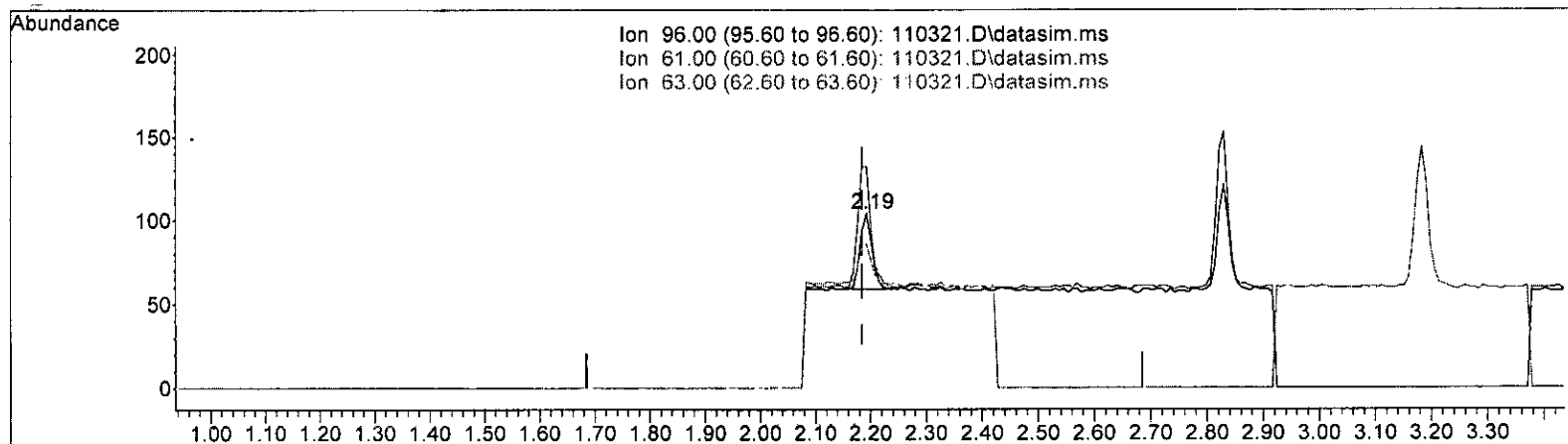
TIC: 110321.D\data.ms

(12) 1,1-Dichloroethene (TMP)		
2.193min (+ 0.008)	0.076 ppb	
response	118	
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	155.80	160.00
63.00	52.50	53.33
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110321.D
 Acq On : 03 Nov 2022 02:32 pm
 Operator : LM
 Sample : 0.04 ppb 8260 ICAL 67-177G
 Misc : soil/water
 ALS Vial : 11 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 13:03:16 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M



TIC: 110321.D\data.ms

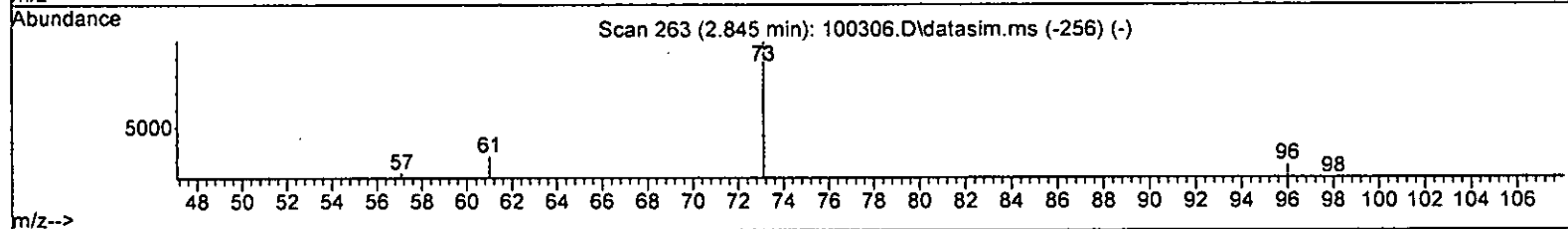
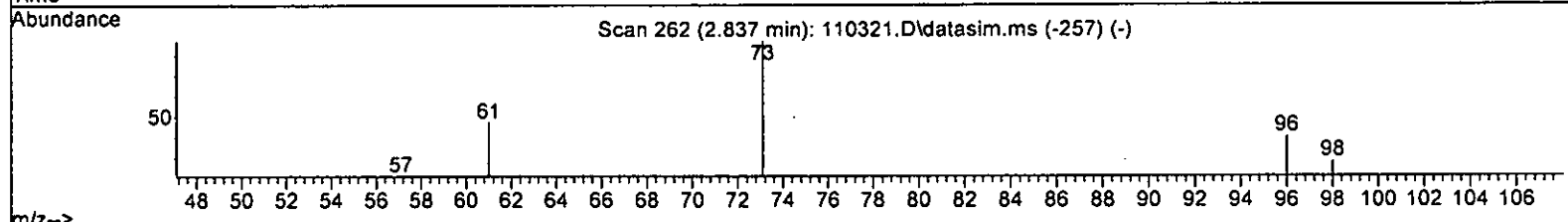
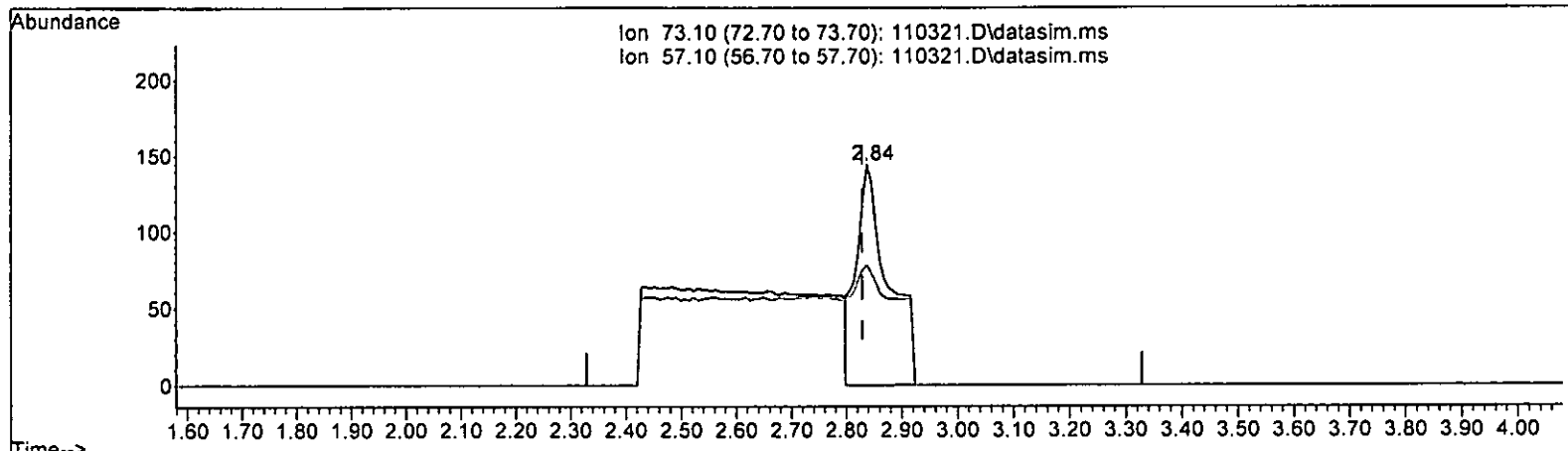
(12) 1,1-Dichloroethene (TMP)
 2.193min (+ 0.008) 0.042 ppb m
 response 65

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	155.80	126.92
63.00	52.50	82.69#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110321.D
 Acq On : 03 Nov 2022 02:32 pm
 Operator : LM
 Sample : 0.04 ppb 8260 ICAL 67-177G
 Misc : soil/water
 ALS Vial : 11 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 13:03:16 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M



TIC: 110321.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

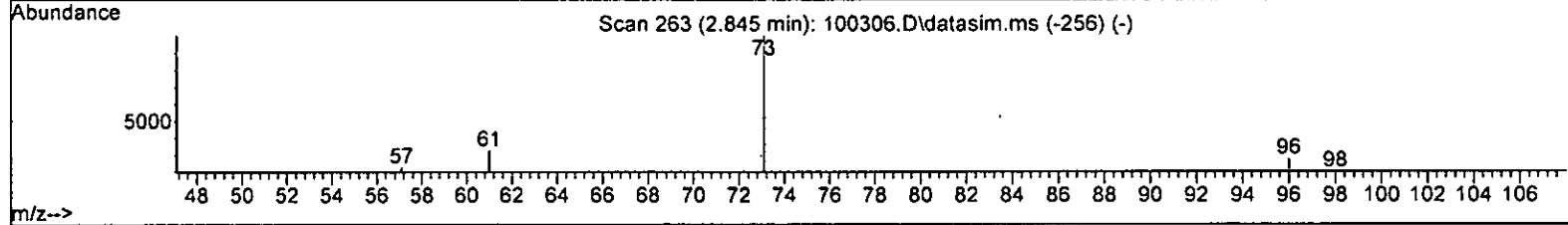
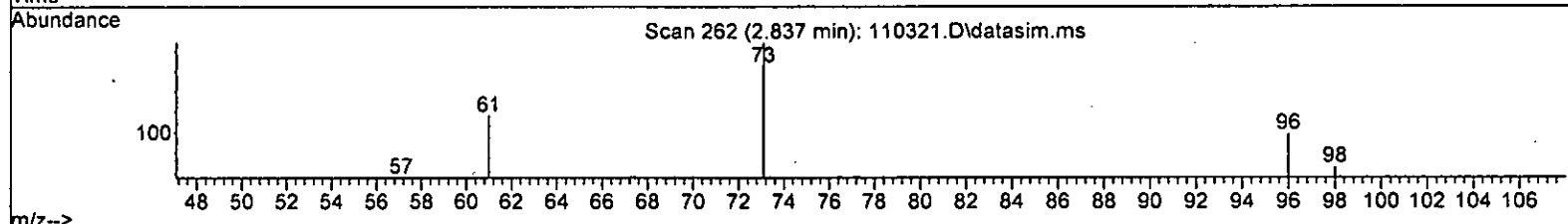
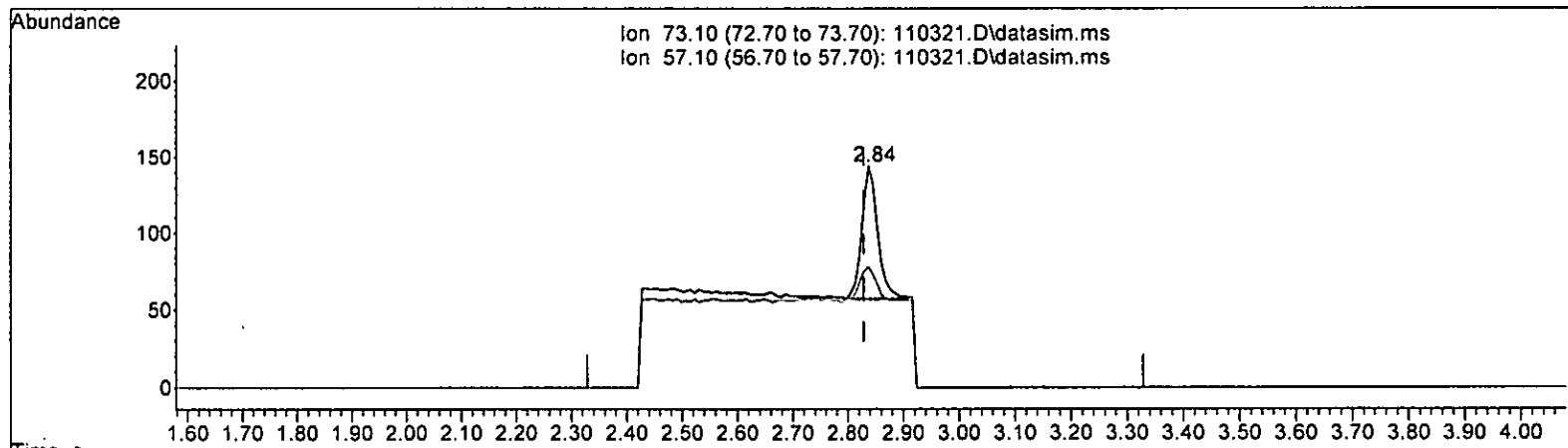
2.837min (+ 0.008) 0.139 ppb

response	575	
Ion	Exp%	Act%
73.10	100.00	100.00
57.10	23.10	54.17#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110321.D
 Acq On : 03 Nov 2022 02:32 pm
 Operator : LM
 Sample : 0.04 ppb 8260 ICAL 67-177G
 Misc : soil/water
 ALS Vial : 11 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 13:03:16 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M



TIC: 110321.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

2.837min (+ 0.008) 0.041 ppb m

response 171

Ion	Exp%	Act%
73.10	100.00	100.00
57.10	23.10	54.17#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110321.D
 Acq On : 03 Nov 2022 02:32 pm
 Operator : LM
 Sample : 0.04 ppb 8260 ICAL 67-177G
 Misc : soil/water
 ALS Vial : 11 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 13:03:16 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	4.63	96	59193	10.000	ppb	0.00	
39) Chlorobenzene-d5	7.27	117	42331	10.000	ppb	0.00	
56) 1,4-Dichlorobenzene-d4	9.48	152	24877	10.000	ppb	0.00	
System Monitoring Compounds							
3) Dibromofluoromethane	4.08	113	16731	9.982	ppb	0.00	
Spiked Amount	10.000	Range 50 - 150	Recovery	=	99.80%		
30) 1,2-Dichloroethane-d4	4.35	102	3831	10.272	ppb	0.00	
Spiked Amount	10.000	Range 79 - 128	Recovery	=	102.70%		
35) Toluene-d8	5.98	98	51885	9.874	ppb	0.00	
Spiked Amount	10.000	Range 84 - 121	Recovery	=	98.70%		
57) 4-Bromofluorobenzene	8.38	95	18795	10.103	ppb	0.00	
Spiked Amount	10.000	Range 84 - 116	Recovery	=	101.00%		
Target Compounds							
							Qvalue
2) Ethanol	0.00		0	N.D.			
4) Dichlorodifluoromethane	0.00		0	N.D.	d		
5) Chloromethane	0.00		0	N.D.	d		
6] Vinyl chloride	1.29	62	217m	0.044	ppb		
7) Bromomethane	0.00		0	N.D.	d		
8) Chloroethane	0.00		0	N.D.	d		
9) Trichlorofluoromethane	0.00		0	N.D.	d		
10) 2-Propanol	0.00		0	N.D.			
11) Acetone	0.00		0	N.D.	d		
12] 1,1-Dichloroethene	2.19	96	65m	0.042	ppb		
13) Hexane	0.00		0	N.D.	d		
14) Methylene chloride	0.00		0	N.D.	d		
15) t-Butyl alcohol (TBA)	0.00		0	N.D.			
16] Methyl t-butyl ether (...)	2.84	73	171m	0.041	ppb		
17] trans-1,2-Dichloroethene	2.83	96	91	0.052	ppb		95
18) Diisopropyl ether (DIPE)	0.00		0	N.D.	d		
19] 1,1-Dichloroethane	3.18	63	139	0.045	ppb		98
20) Ethyl t-butyl ether (E...)	0.00		0	N.D.			
21) 2,2-Dichloropropane	0.00		0	N.D.	d		
22] cis-1,2-Dichloroethene	3.67	96	93	0.050	ppb		95
23) Chloroform	0.00		0	N.D.	d		
24) 2-Butanone (MEK)	0.00		0	N.D.	d		
25) t-Amyl methyl ether (T...)	0.00		0	N.D.	d		
26) 1,2-Dichloroethane (EDC)	0.00		0	N.D.	d		
27] 1,1,1-Trichloroethane	4.08	97	109	0.043	ppb		93
28) 1,1-Dichloropropene	0.00		0	N.D.	d		
29) Carbon tetrachloride	0.00		0	N.D.			
31] Benzene	4.38	78	389	0.044	ppb		93
32] Trichloroethene	4.93	95	92	0.050	ppb		91
33) 1,2-Dichloropropane	0.00		0	N.D.			
34) Bromodichloromethane	0.00		0	N.D.			
36) Dibromomethane	0.00		0	N.D.			

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110321.D
 Acq On : 03 Nov 2022 02:32 pm
 Operator : LM
 Sample : 0.04 ppb 8260 ICAL 67-177G
 Misc : soil/water
 ALS Vial : 11 Sample Multiplier: 1
 InstName : GCMS11

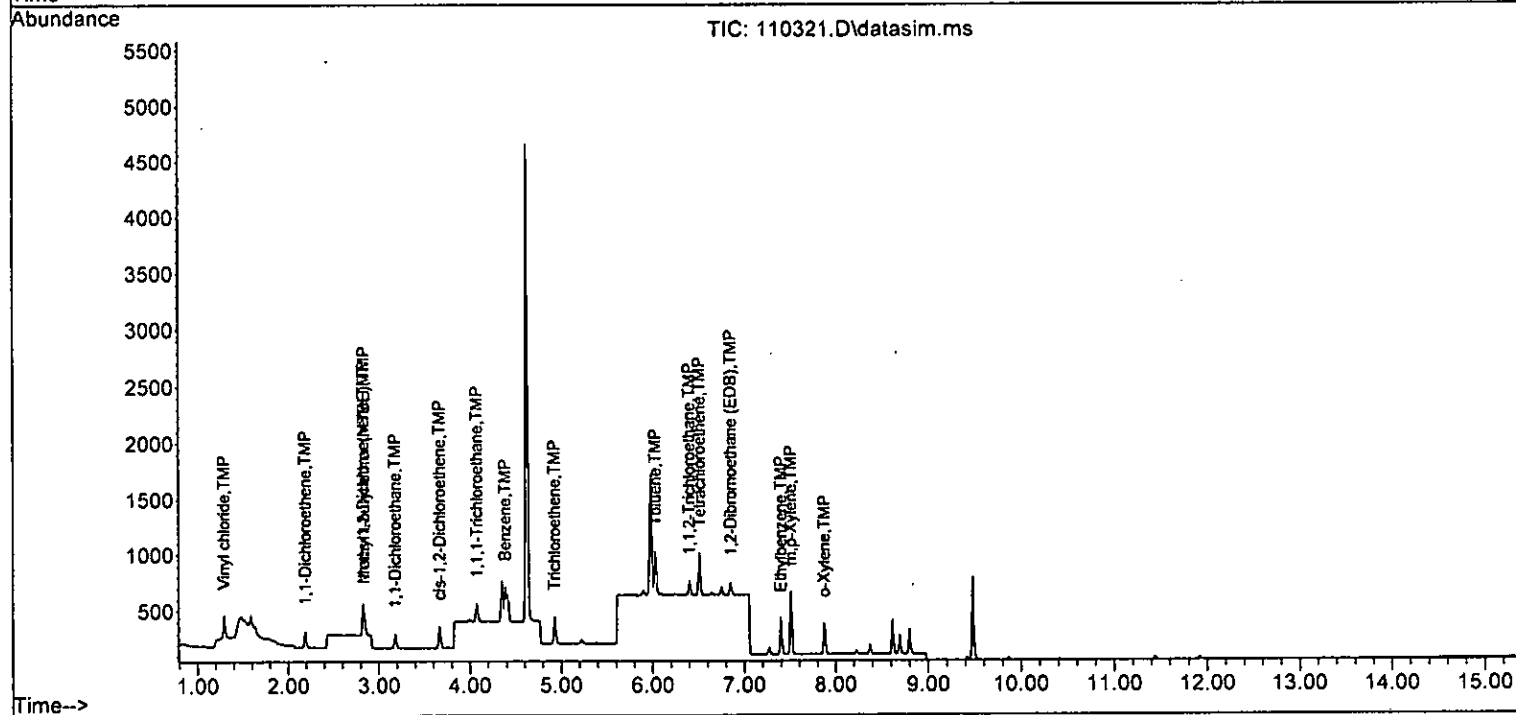
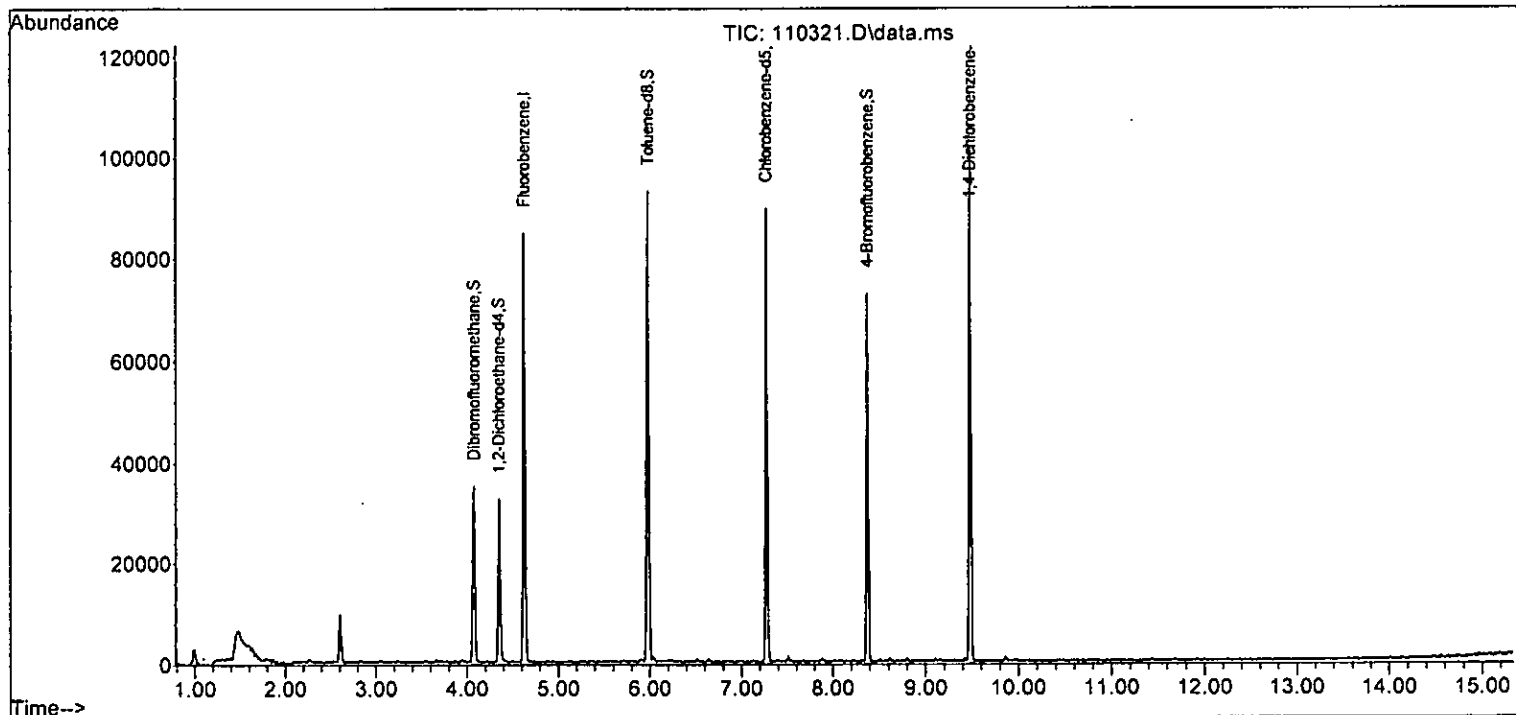
Quant Time: Nov 07 13:03:16 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.00		0		N.D.	
38) cis-1,3-Dichloropropene	0.00		0		N.D. d	
40] Toluene	6.03	92	213	0.058	ppb	90
41) trans-1,3-Dichloropropene	0.00		0		N.D. d	
42] 1,1,2-Trichloroethane	6.40	83	69	0.038	ppb	94
43) 2-Hexanone	0.00		0		N.D. d	
44) 1,3-Dichloropropane	0.00		0		N.D. d	
45] Tetrachloroethene	6.51	164	135	0.037	ppb	95
46) Dibromochloromethane	0.00		0		N.D.	
47] 1,2-Dibromoethane (EOB)	6.85	107	78	0.058	ppb	95
48) Chlorobenzene	0.00		0		N.D. d	
49] Ethylbenzene	7.40	91	335	0.049	ppb	91
50) 1,1,1,2-Tetrachloroethane	0.00		0		N.D.	
51] m,p-Xylene	7.51	106	263	0.099	ppb	80
52] o-Xylene	7.88	106	124	0.047	ppb	80
53) Styrene	0.00		0		N.D. d	
54) Isopropylbenzene	0.00		0		N.D. d	
55) Bromoform	0.00		0		N.D.	
58) n-Propylbenzene	0.00		0		N.D. d	
59) Bromobenzene	0.00		0		N.D.	
60) 1,3,5-Trimethylbenzene	0.00		0		N.D. d	
61) 1,1,2,2-Tetrachloroethane	0.00		0		N.D.	
62) 1,2,3-Trichloropropane	0.00		0		N.D. d	
63) 2-Chlorotoluene	0.00		0		N.D. d	
64) 4-Chlorotoluene	0.00		0		N.D. d	
65) tert-Butylbenzene	0.00		0		N.D. d	
66) 1,2,4-Trimethylbenzene	0.00		0		N.D. d	
67) sec-Butylbenzene	0.00		0		N.D. d	
68) p-Isopropyltoluene	0.00		0		N.D. d	
69) 1,3-Dichlorobenzene	0.00		0		N.D. d	
70) 1,4-Dichlorobenzene	0.00		0		N.D. d	
71) 1,2-Dichlorobenzene	0.00		0		N.D. d	
72) 1,2-Dibromo-3-chloropr...	0.00		0		N.D.	
73) 1,2,4-Trichlorobenzene	0.00		0		N.D. d	
74) Hexachlorobutadiene	0.00		0		N.D.	
75) Naphthalene	0.00		0		N.D. d	
76) 1,2,3-Trichlorobenzene	0.00		0		N.D. d	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110321.D
 Acq On : 03 Nov 2022 02:32 pm
 Operator : LM
 Sample : 0.04 ppb 8260 ICAL 67-177G
 Misc : soil/water
 ALS Vial : 11 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 13:03:16 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M



Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110321.D
 Acq On : 03 Nov 2022 02:32 pm
 Operator : LM
 Sample : 0.04 ppb 8260 ICAL 67-177G
 Misc : soil/water
 ALS Vial : 11 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 13:03:16 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2 TMP	Ethanol	-1.000	0.000	0.0	0	-1.86#
3 S	Dibromofluoromethane	10.000	9.982	0.2	100	0.00
4 TMP	Dichlorodifluoromethane	-1.000	0.000	0.0	0	-1.09#
5 TMP	Chloromethane	-1.000	0.000	0.0	0	-1.22#
6 TMP	Vinyl chloride	0.040	0.044	-10.0	97	0.00
7 TMP	Bromomethane	-1.000	0.000	0.0	0	-1.52#
8 TMP	Chloroethane	-1.000	0.000	0.0	0	-1.59#
9 TMP	Trichlorofluoromethane	-1.000	0.000	0.0	0	-1.77#
10 TMP	2-Propanol	-1.000	0.000	0.0	0	-2.43#
11 TMP	Acetone	-1.000	0.000	0.0	0	-2.25#
12 TMP	1,1-Dichloroethene	0.040	0.042	-5.0	96	0.00
13 TMP	Hexane	-1.000	0.000	0.0	0	-3.05#
14 TMP	Methylene chloride	-1.000	0.000	0.0	0	-2.60#
15 TMP	t-Butyl alcohol (TBA)	-1.000	0.000	0.0	0	-2.72#
16 TMP	Methyl t-butyl ether (MTBE)	0.040	0.041	-2.5	106	0.00
17 TMP	trans-1,2-Dichloroethene	0.040	0.052	-30.0#	100	0.00
18 TMP	Diisopropyl ether (DIPE)	-1.000	0.000	0.0	0	-3.23#
19 TMP	1,1-Dichloroethane	0.040	0.045	-12.5	100	0.00
20 TMP	Ethyl t-butyl ether (ETBE)	-1.000	0.000	0.0	0	-3.54#
21 TMP	2,2-Dichloropropane	-1.000	0.000	0.0	0	-3.66#
22 TMP	cis-1,2-Dichloroethene	0.040	0.050	-25.0#	100	0.00
23 TMP	Chloroform	-1.000	0.000	0.0	0	-3.94#
24 TMP	2-Butanone (MEK)	-1.000	0.000	0.0	0	-3.70#
25 TMP	t-Amyl methyl ether (TAME)	-1.000	0.000	0.0	0	-4.49#
26 TMP	1,2-Dichloroethane (EDC)	0.040	0.000	100.0#	0	-4.41#
27 TMP	1,1,1-Trichloroethane	0.040	0.043	-7.5	100	0.00
28 TMP	1,1-Dichloropropene	-1.000	0.000	0.0	0	-4.22#
29 TMP	Carbon tetrachloride	-1.000	0.000	0.0	0	-4.21#
30 S	1,2-Dichloroethane-d4	10.000	10.272	-2.7	100	0.00
31 TMP	Benzene	0.040	0.044	-10.0	100	0.00
32 TMP	Trichloroethene	0.040	0.050	-25.0#	100	0.00
33 TMP	1,2-Dichloropropane	-1.000	0.000	0.0	0	-5.13#
34 TMP	Bromodichloromethane	-1.000	0.000	0.0	0	-5.37#
35 S	Toluene-d8	10.000	9.874	1.3	100	0.00
36 TMP	Dibromomethane	-1.000	0.000	0.0	0	-5.23#
37 TMP	4-Methyl-2-pentanone	-1.000	0.000	0.0	0	-5.91#
38 TMP	cis-1,3-Dichloropropene	-1.000	0.000	0.0	0	-5.75#
39 I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40 TMP	Toluene	0.040	0.058	-45.0#	100	0.00
41 TMP	trans-1,3-Dichloropropene	-1.000	0.000	0.0	0	-6.25#
42 TMP	1,1,2-Trichloroethane	0.040	0.038	5.0	100	0.00
43 TMP	2-Hexanone	-1.000	0.000	0.0	0	-6.64#

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110321.D
 Acq On : 03 Nov 2022 02:32 pm
 Operator : LM
 Sample : 0.04 ppb 8260 ICAL 67-177G
 Misc : soil/water
 ALS Vial : 11 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 13:03:16 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	-1.000	0.000	0.0	0	-6.55#
45 TMP Tetrachloroethene	0.040	0.037	7.5	100	0.00
46 TMP Dibromochloromethane	-1.000	0.000	0.0	0	-6.75#
47 TMP 1,2-Dibromoethane (EDB)	0.040	0.058	-45.0#	100	0.00
48 TMP Chlorobenzene	-1.000	0.000	0.0	0	-7.29#
49 TMP Ethylbenzene	0.040	0.049	-22.5#	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	-1.000	0.000	0.0	0	-7.38#
51 TMP m,p-Xylene	0.080	0.099	-23.8#	100	0.00
52 TMP o-Xylene	0.040	0.047	-17.5	100	0.00
53 TMP Styrene	-1.000	0.000	0.0	0	-7.90#
54 TMP Isopropylbenzene	-1.000	0.000	0.0	0	-8.23#
55 TMP Bromoform	-1.000	0.000	0.0	0	-8.07#
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	10.000	10.103	-1.0	100	0.00
58 TMP n-Propylbenzene	-1.000	0.000	0.0	0	-8.62#
59 TMP Bromobenzene	-1.000	0.000	0.0	0	-8.51#
60 TMP 1,3,5-Trimethylbenzene	-1.000	0.000	0.0	0	-8.79#
61 TMP 1,1,2,2-Tetrachloroethane	-1.000	0.000	0.0	0	-8.53#
62 TMP 1,2,3-Trichloropropane	-1.000	0.000	0.0	0	-8.56#
63 TMP 2-Chlorotoluene	-1.000	0.000	0.0	0	-8.70#
64 TMP 4-Chlorotoluene	-1.000	0.000	0.0	0	-8.80#
65 TMP tert-Butylbenzene	-1.000	0.000	0.0	0	-9.10#
66 TMP 1,2,4-Trimethylbenzene	-1.000	0.000	0.0	0	-9.15#
67 TMP sec-Butylbenzene	-1.000	0.000	0.0	0	-9.31#
68 TMP p-Isopropyltoluene	-1.000	0.000	0.0	0	-9.46#
69 TMP 1,3-Dichlorobenzene	-1.000	0.000	0.0	0	-9.42#
70 TMP 1,4-Dichlorobenzene	-1.000	0.000	0.0	0	-9.50#
71 TMP 1,2-Dichlorobenzene	-1.000	0.000	0.0	0	-9.86#
72 TMP 1,2-Dibromo-3-chloropropane	-1.000	0.000	0.0	0	-10.63#
73 TMP 1,2,4-Trichlorobenzene	-1.000	0.000	0.0	0	-11.44#
74 TMP Hexachlorobutadiene	-1.000	0.000	0.0	0	-11.61#
75 TMP Naphthalene	-1.000	0.000	0.0	0	-11.68#
76 TMP 1,2,3-Trichlorobenzene	-1.000	0.000	0.0	0	-11.92#

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110321.D
 Acq On : 03 Nov 2022 02:32 pm
 Operator : LM
 Sample : 0.04 ppb 8260 ICAL 67-177G
 Misc : soil/water
 ALS Vial : 11 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 13:03:16 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I Fluorobenzene	1.000	1.000	0.0	100	0.00
2 TMP Ethanol	0.000	0.000#	0.0	0#	-1.86#
3 S Dibromofluoromethane	0.283	0.283	0.0	100	0.00
4 TMP Dichlorodifluoromethane	0.771	0.000#	100.0#	0#	-1.09#
5 TMP Chloromethane	0.937	0.000#	100.0#	0#	-1.22#
6 TMP Vinyl chloride	0.838	0.916	-9.3	97	0.00
7 TMP Bromomethane	0.490	0.000#	100.0#	0#	-1.52#
8 TMP Chloroethane	0.420	0.000#	100.0#	0#	-1.59#
9 TMP Trichlorofluoromethane	0.910	0.000#	100.0#	0#	-1.77#
10 TMP 2-Propanol	0.000	0.000	0.0	0#	-2.43#
11 TMP Acetone	0.046	0.000#	100.0#	0#	-2.25#
12 TMP 1,1-Dichloroethene	0.262	0.275	-5.0	96	0.00
13 TMP Hexane	0.408	0.000#	100.0#	0#	-3.05#
14 TMP Methylene chloride	0.307	0.000#	100.0#	0#	-2.60#
15 TMP t-Butyl alcohol (TBA)	0.034	0.000#	100.0#	0#	-2.72#
16 TMP Methyl t-butyl ether (MTBE)	0.698	0.722	-3.4	106	0.00
17 TMP trans-1,2-Dichloroethene	0.296	0.384	-29.7#	100	0.00
18 TMP Diisopropyl ether (DIPE)	0.862	0.000#	100.0#	0#	-3.23#
19 TMP 1,1-Dichloroethane	0.527	0.587	-11.4	100	0.00
20 TMP Ethyl t-butyl ether (ETBE)	0.290	0.000#	100.0#	0#	-3.54#
21 TMP 2,2-Dichloropropane	0.356	0.000#	100.0#	0#	-3.66#
22 TMP cis-1,2-Dichloroethene	0.316	0.393	-24.4#	100	0.00
23 TMP Chloroform	0.496	0.000#	100.0#	0#	-3.94#
24 TMP 2-Butanone (MEK)	0.170	0.000#	100.0#	0#	-3.70#
25 TMP t-Amyl methyl ether (TAME)	0.673	0.000#	100.0#	0#	-4.49#
26 TMP 1,2-Dichloroethane (EDC)	0.375	0.000#	100.0#	0#	-4.41#
27 TMP 1,1,1-Trichloroethane	0.428	0.460	-7.5	100	0.00
28 TMP 1,1-Dichloropropene	0.346	0.000#	100.0#	0#	-4.22#
29 TMP Carbon tetrachloride	0.372	0.000#	100.0#	0#	-4.21#
30 S 1,2-Dichloroethane-d4	0.063	0.065	-3.2	100	0.00
31 TMP Benzene	1.078	1.643	-52.4#	100	0.00
32 TMP Trichloroethene	0.311	0.389	-25.1#	100	0.00
33 TMP 1,2-Dichloropropane	0.266	0.000#	100.0#	0#	-5.13#
34 TMP Bromodichloromethane	0.319	0.000#	100.0#	0#	-5.37#
35 S Toluene-d8	0.888	0.877	1.2	100	0.00
36 TMP Dibromomethane	0.162	0.000#	100.0#	0#	-5.23#
37 TMP 4-Methyl-2-pentanone	0.045	0.000#	100.0#	0#	-5.91#
38 TMP cis-1,3-Dichloropropene	0.364	0.000#	100.0#	0#	-5.75#
39 I Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40 TMP Toluene	0.869	1.258	-44.8#	100	0.00
41 TMP trans-1,3-Dichloropropene	0.405	0.000#	100.0#	0#	-6.25#
42 TMP 1,1,2-Trichloroethane	0.260	0.408	-56.9#	100	0.00
43 TMP 2-Hexanone	0.268	0.000#	100.0#	0#	-6.64#

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110321.D
 Acq On : 03 Nov 2022 02:32 pm
 Operator : LM
 Sample : 0.04 ppb 8260 ICAL 67-177G
 Misc : soil/water
 ALS Vial : 11 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 13:03:16 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.430	0.000#	100.0#	0#	-6.55#
45 TMP Tetrachloroethene	0.406	0.797	-96.3#	100	0.00
46 TMP Dibromochloromethane	0.344	0.000#	100.0#	0#	-6.75#
47 TMP 1,2-Dibromoethane (EDB)	0.317	0.461	-45.4#	100	0.00
48 TMP Chlorobenzene	0.922	0.000#	100.0#	0#	-7.29#
49 TMP Ethylbenzene	1.605	1.978	-23.2#	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.356	0.000#	100.0#	0#	-7.38#
51 TMP m,p-Xylene	0.626	0.777	-24.1#	100	0.00
52 TMP o-Xylene	0.622	0.732	-17.7	100	0.00
53 TMP Styrene	0.907	0.000#	100.0#	0#	-7.90#
54 TMP Isopropylbenzene	1.561	0.000#	100.0#	0#	-8.23#
55 TMP Bromoform	0.258	0.000#	100.0#	0#	-8.07#
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	0.748	0.756	-1.1	100	0.00
58 TMP n-Propylbenzene	3.027	0.000#	100.0#	0#	-8.62#
59 TMP Bromobenzene	0.740	0.000#	100.0#	0#	-8.51#
60 TMP 1,3,5-Trimethylbenzene	2.224	0.000#	100.0#	0#	-8.79#
61 TMP 1,1,2,2-Tetrachloroethane	0.717	0.000#	100.0#	0#	-8.53#
62 TMP 1,2,3-Trichloropropane	0.549	0.000#	100.0#	0#	-8.56#
63 TMP 2-Chlorotoluene	1.828	0.000#	100.0#	0#	-8.70#
64 TMP 4-Chlorotoluene	1.994	0.000#	100.0#	0#	-8.80#
65 TMP tert-Butylbenzene	1.953	0.000#	100.0#	0#	-9.10#
66 TMP 1,2,4-Trimethylbenzene	2.250	0.000#	100.0#	0#	-9.15#
67 TMP sec-Butylbenzene	2.892	0.000#	100.0#	0#	-9.31#
68 TMP p-Isopropyltoluene	2.502	0.000#	100.0#	0#	-9.46#
69 TMP 1,3-Dichlorobenzene	1.434	0.000#	100.0#	0#	-9.42#
70 TMP 1,4-Dichlorobenzene	1.430	0.000#	100.0#	0#	-9.50#
71 TMP 1,2-Dichlorobenzene	1.428	0.000#	100.0#	0#	-9.86#
72 TMP 1,2-Dibromo-3-chloropropane	0.145	0.000#	100.0#	0#	-10.63#
73 TMP 1,2,4-Trichlorobenzene	1.063	0.000#	100.0#	0#	-11.44#
74 TMP Hexachlorobutadiene	0.623	0.000#	100.0#	0#	-11.61#
75 TMP Naphthalene	2.362	0.000#	100.0#	0#	-11.68#
76 TMP 1,2,3-Trichlorobenzene	0.987	0.000#	100.0#	0#	-11.92#

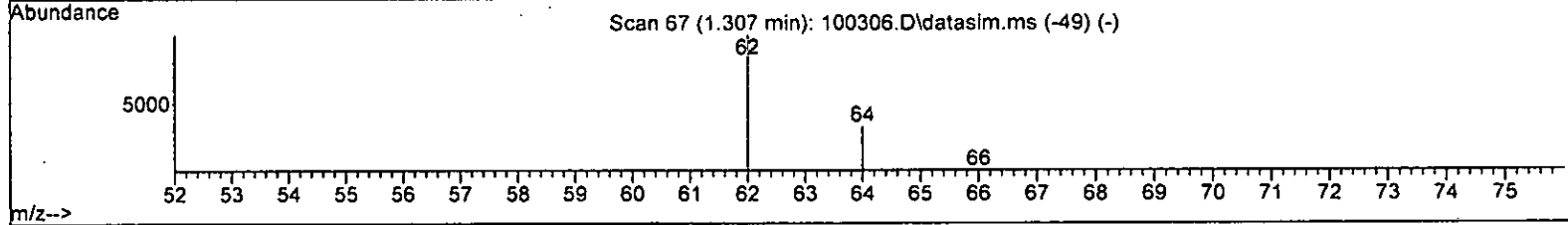
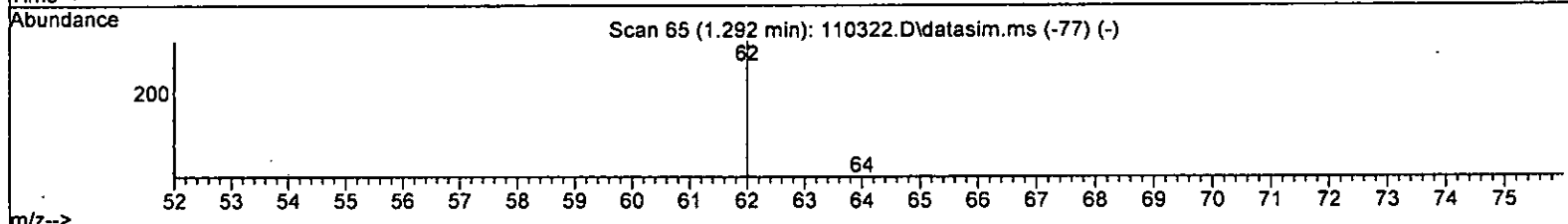
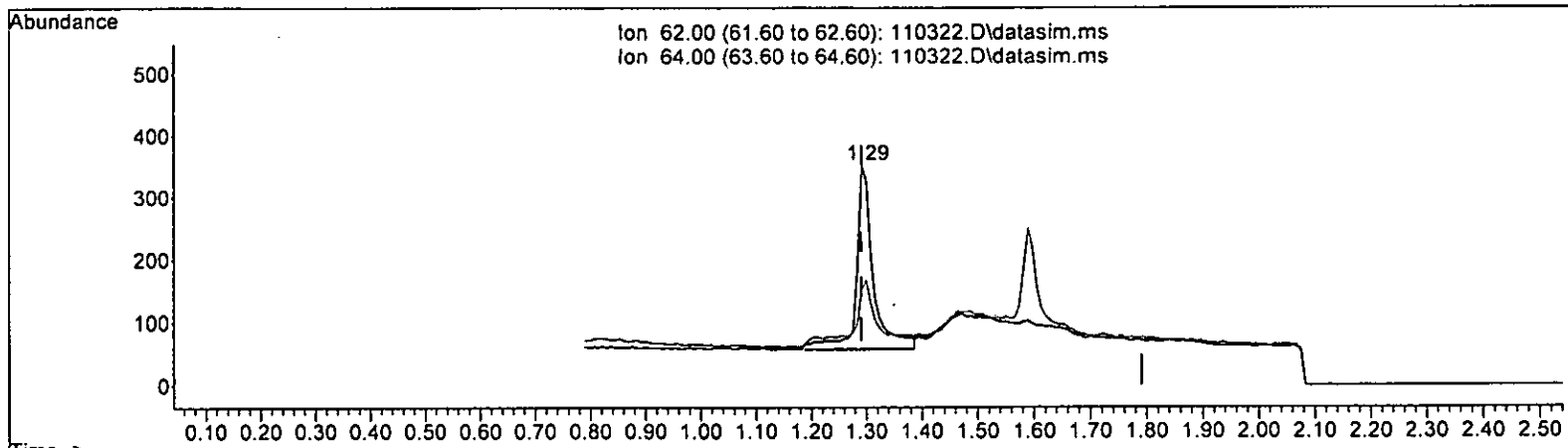
(#) = Out of Range

SPCC's out = 52 CCC's out = 0

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110322.D
 Acq On : 03 Nov 2022 02:54 pm
 Operator : LM
 Sample : 0.1 ppb 8260 ICAL 67-177H
 Misc : soil/water
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 13:09:29 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M



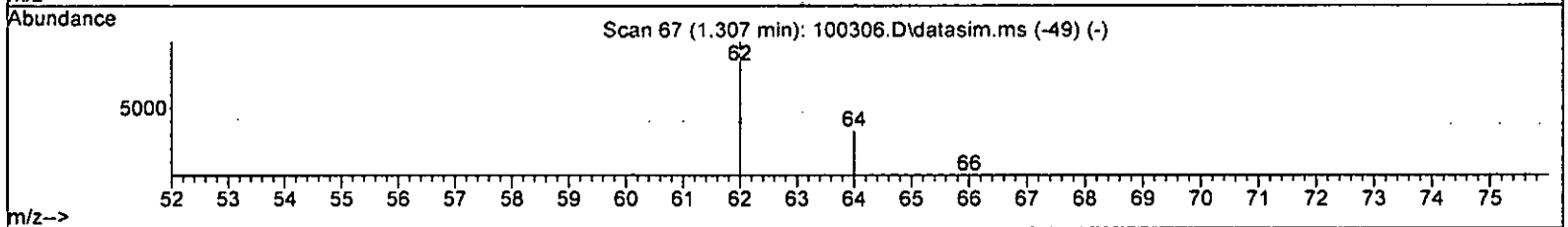
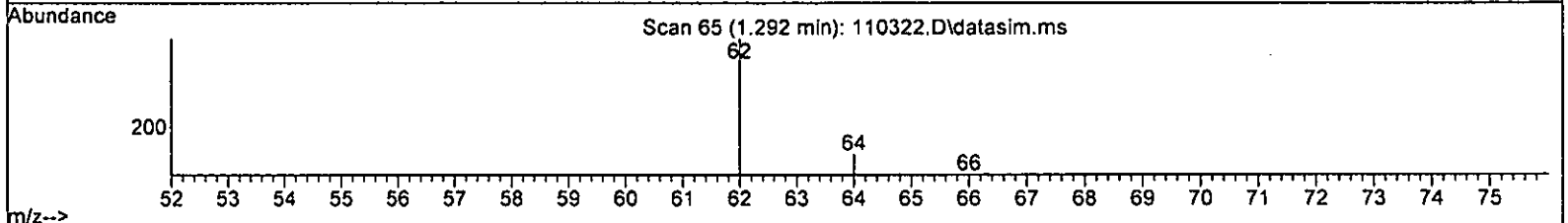
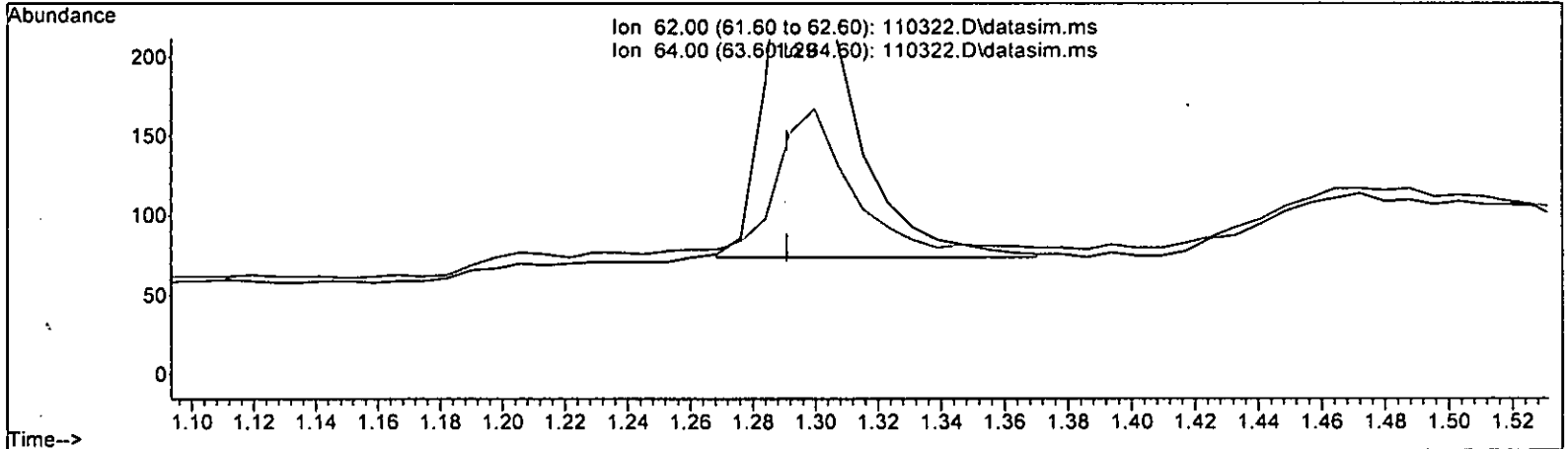
TIC: 110322.D\data.ms

(6) Vinyl chloride (TMP)		
1.292min (+ 0.001)	0.127 ppb	
response	618	
Ion	Exp%	Act%
62.00	100.00	100.00
64.00	32.40	30.51
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110322.D
 Acq On : 03 Nov 2022 02:54 pm
 Operator : LM
 Sample : 0.1 ppb 8260 ICAL 67-177H
 Misc : soil/water
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 13:09:29 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M



TIC: 110322.D\data.ms

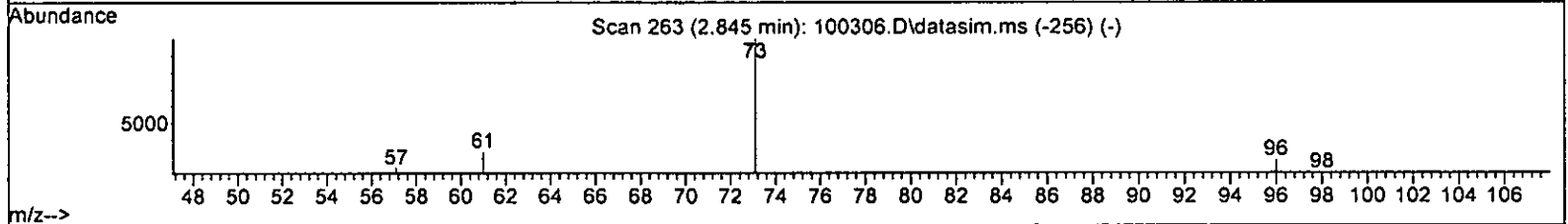
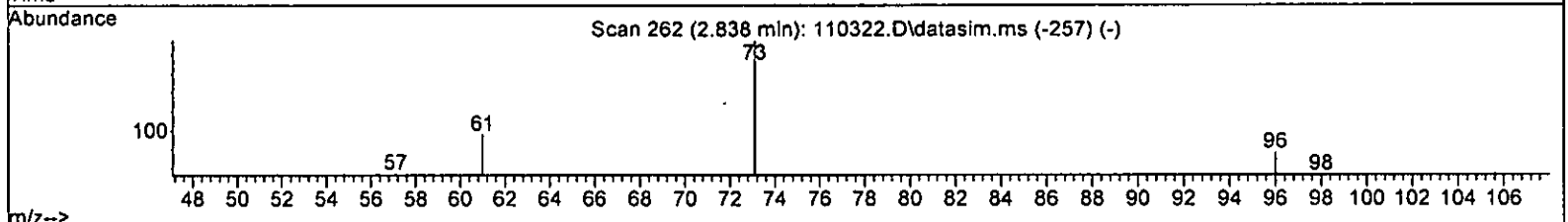
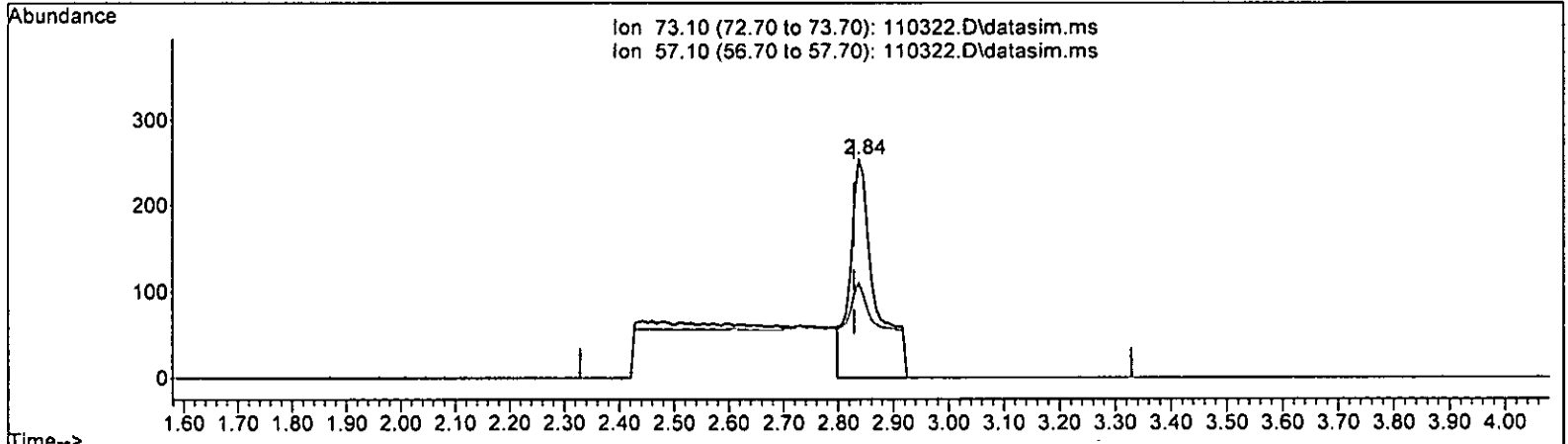
(6) Vinyl chloride (TMP)
 1.292min (+ 0.001) 0.089 ppb m
 response 437

Ion	Exp%	Act%
62.00	100.00	100.00
64.00	32.40	43.06
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110322.D
 Acq On : 03 Nov 2022 02:54 pm
 Operator : LM
 Sample : 0.1 ppb 8260 ICAL 67-177H
 Misc : soil/water
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 13:09:29 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M



TIC: 110322.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

2.838min (+ 0.009) 0.194 ppb

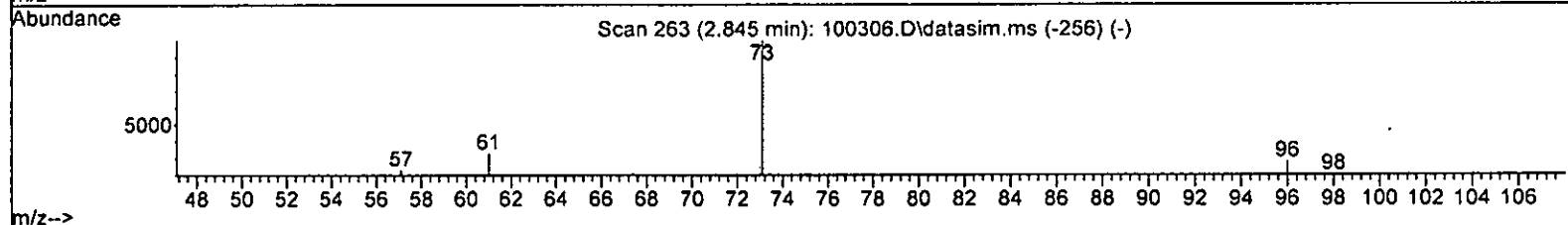
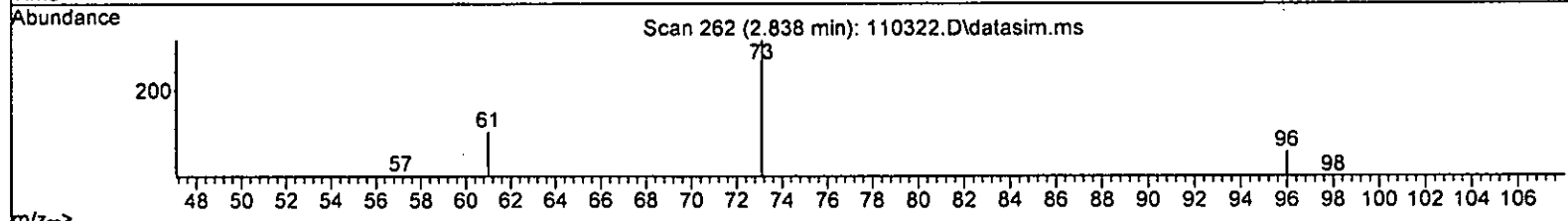
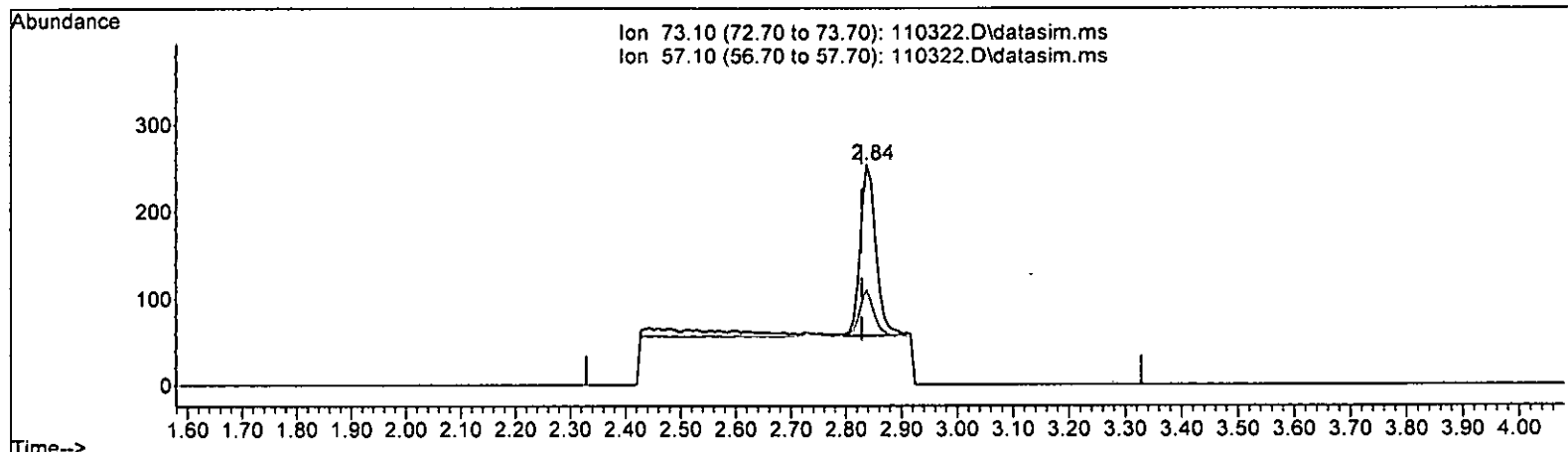
response 789

Ion	Exp%	Act%
73.10	100.00	100.00
57.10	23.10	43.31
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110322.D
 Acq On : 03 Nov 2022 02:54 pm
 Operator : LM
 Sample : 0.1 ppb 8260 ICAL 67-177H
 Misc : soil/water
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 13:09:29 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M



TIC: 110322.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

2.838min (+ 0.009) 0.093 ppb m

response 380

Ion	Exp%	Act%
73.10	100.00	100.00
57.10	23.10	43.31
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110322.D
 Acq On : 03 Nov 2022 02:54 pm
 Operator : LM
 Sample : 0.1 ppb 8260 ICAL 67-177H
 Misc : soil/water
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 13:09:29 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) Fluorobenzene	4.63	96	58277	10.000	ppb	0.00	
39) Chlorobenzene-d5	7.27	117	41908	10.000	ppb	0.00	
56) 1,4-Dichlorobenzene-d4	9.48	152	24172	10.000	ppb	0.00	
System Monitoring Compounds							
3) Dibromofluoromethane	4.08	113	16849	10.210	ppb	0.00	
Spiked Amount	10.000	Range 50 - 150	Recovery	=	102.10%		
30) 1,2-Dichloroethane-d4	4.36	102	3636	9.902	ppb	0.00	
Spiked Amount	10.000	Range 79 - 128	Recovery	=	99.00%		
35) Toluene-d8	5.98	98	50365	9.736	ppb	0.00	
Spiked Amount	10.000	Range 84 - 121	Recovery	=	97.40%		
57) 4-Bromofluorobenzene	0.00	95	0d	0.000	ppb		
Spiked Amount	10.000	Range 84 - 116	Recovery	=	0.00%#		
Target Compounds							
2) Ethanol	1.86	45	57	No Calib			Qvalue
4) Dichlorodifluoromethane	0.00		0	N.D.	d		
5) Chloromethane	0.00		0	N.D.	d		
6] Vinyl chloride	1.29	62	437m	0.089	ppb		
7) Bromomethane	0.00		0	N.D.	d		
8) Chloroethane	0.00		0	N.D.	d		
9) Trichlorofluoromethane	0.00		0	N.D.	d		
10) 2-Propanol	0.00		0	N.D.			
11) Acetone	0.00		0	N.D.	d		
12] 1,1-Dichloroethene	2.19	96	141	0.092	ppb		98
13) Hexane	0.00		0	N.D.	d		
14) Methylene chloride	0.00		0	N.D.	d		
15) t-Butyl alcohol (TBA)	0.00		0	N.D.			
16] Methyl t-butyl ether (...)	2.84	73	380m	0.093	ppb		
17] trans-1,2-Dichloroethene	2.83	96	174	0.101	ppb		96
18) Diisopropyl ether (DIPE)	0.00		0	N.D.	d		
19] 1,1-Dichloroethane	3.18	63	284	0.093	ppb		98
20) Ethyl t-butyl ether (E...)	0.00		0	N.D.	d		
21) 2,2-Dichloropropane	0.00		0	N.D.	d		
22] cis-1,2-Dichloroethene	3.67	96	178	0.097	ppb		94
23) Chloroform	0.00		0	N.D.	d		
24) 2-Butanone (MEK)	0.00		0	N.D.	d		
25) t-Amyl methyl ether (T...)	0.00		0	N.D.	d		
26] 1,2-Dichloroethane (EDC)	4.41	62	253	0.116	ppb		97
27] 1,1,1-Trichloroethane	4.08	97	231	0.093	ppb		95
28) 1,1-Dichloropropene	0.00		0	N.D.	d		
29) Carbon tetrachloride	0.00		0	N.D.	d		
31] Benzene	4.39	78	583	0.078	ppb		95
32] Trichloroethene	4.93	95	171	0.094	ppb		90
33) 1,2-Dichloropropane	0.00		0	N.D.	d		
34) Bromodichloromethane	0.00		0	N.D.	d		
36) Dibromomethane	0.00		0	N.D.	d		

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110322.D
 Acq On : 03 Nov 2022 02:54 pm
 Operator : LM
 Sample : 0.1 ppb 8260 ICAL 67-177H
 Misc : soil/water
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS11

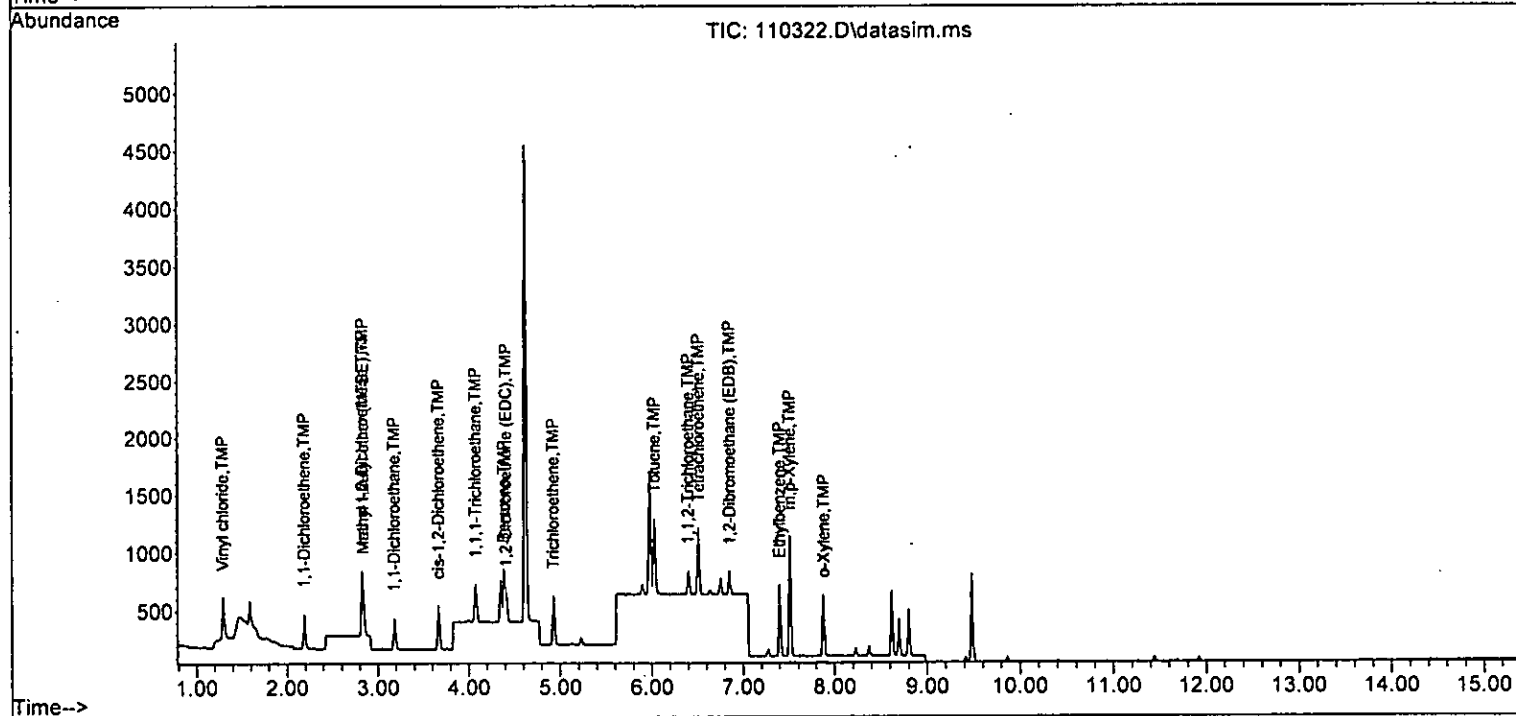
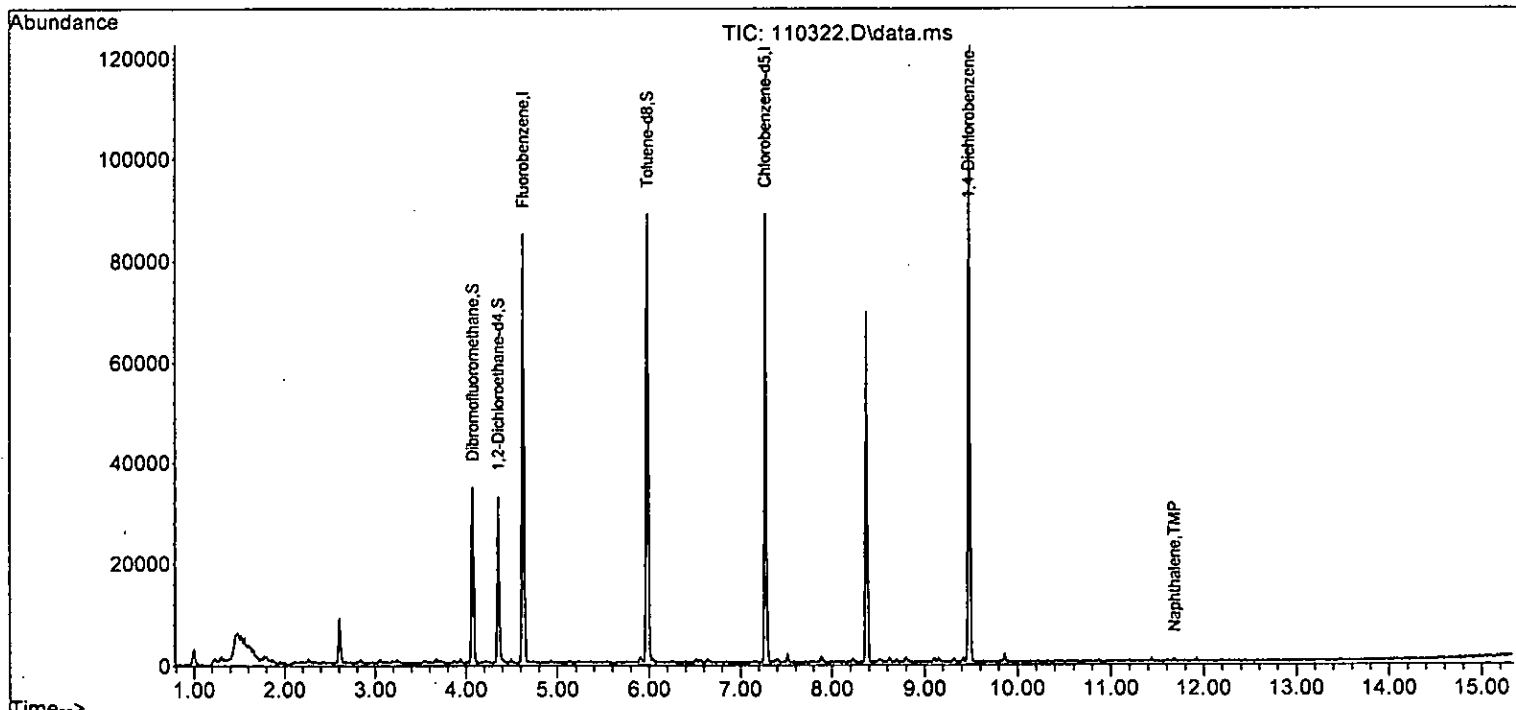
Quant Time: Nov 07 13:09:29 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.00		0		N.D.	
38) cis-1,3-Dichloropropene	0.00		0		N.D. d	
40] Toluene	6.03	92	348	0.096	ppb	96
41) trans-1,3-Dichloropropene	0.00		0		N.D. d	
42] 1,1,2-Trichloroethane	6.40	83	104	0.074	ppb	88
43) 2-Hexanone	0.00		0		N.D. d	
44) 1,3-Dichloropropane	0.00		0		N.D. d	
45] Tetrachloroethene	6.51	164	201	0.084	ppb	95
46) Dibromochloromethane	0.00		0		N.D. d	
47] 1,2-Dibromoethane (EDB)	6.85	107	129	0.097	ppb	92
48) Chlorobenzene	0.00		0		N.D. d	
49] Ethylbenzene	7.40	91	626	0.093	ppb	92
50) 1,1,1,2-Tetrachloroethane	0.00		0		N.D. d	
51] m,p-Xylene	7.51	106	492	0.187	ppb	83
52] o-Xylene	7.88	106	240	0.092	ppb	84
53) Styrene	0.00		0		N.D. d	
54) Isopropylbenzene	0.00		0		N.D. d	
55) Bromoform	0.00		0		N.D. d	
58) n-Propylbenzene	0.00		0		N.D. d	
59) Bromobenzene	0.00		0		N.D. d	
60) 1,3,5-Trimethylbenzene	0.00		0		N.D. d	
61) 1,1,2,2-Tetrachloroethane	0.00		0		N.D. d	
62) 1,2,3-Trichloropropane	0.00		0		N.D. d	
63) 2-Chlorotoluene	0.00		0		N.D. d	
64) 4-Chlorotoluene	0.00		0		N.D. d	
65) tert-Butylbenzene	0.00		0		N.D. d	
66) 1,2,4-Trimethylbenzene	0.00		0		N.D. d	
67) sec-Butylbenzene	0.00		0		N.D. d	
68) p-Isopropyltoluene	0.00		0		N.D. d	
69) 1,3-Dichlorobenzene	0.00		0		N.D. d	
70) 1,4-Dichlorobenzene	0.00		0		N.D. d	
71) 1,2-Dichlorobenzene	0.00		0		N.D. d	
72) 1,2-Dibromo-3-chloropr...	0.00		0		N.D.	
73) 1,2,4-Trichlorobenzene	0.00		0		N.D. d	
74) Hexachlorobutadiene	0.00		0		N.D. d	
75) Naphthalene	11.68	128	563	0.099	ppb	86
76) 1,2,3-Trichlorobenzene	0.00		0		N.D. d	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110322.D
 Acq On : 03 Nov 2022 02:54 pm
 Operator : LM
 Sample : 0.1 ppb 8260 ICAL 67-177H
 Misc : soil/water
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 13:09:29 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M



Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110322.D
 Acq On : 03 Nov 2022 02:54 pm
 Operator : LM
 Sample : 0.1 ppb 8260 ICAL 67-177H
 Misc : soil/water
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 13:09:29 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2 TMP	Ethanol	-1.000	0.000	0.0	0	0.00
3 S	Dibromofluoromethane	10.000	10.210	-2.1	100	0.00
4 TMP	Dichlorodifluoromethane	-1.000	0.000	0.0	0	-1.09#
5 TMP	Chloromethane	-1.000	0.000	0.0	0	-1.22#
6 TMP	Vinyl chloride	0.100	0.089	11.0	96	0.00
7 TMP	Bromomethane	-1.000	0.000	0.0	0	-1.52#
8 TMP	Chloroethane	-1.000	0.000	0.0	0	-1.59#
9 TMP	Trichlorofluoromethane	-1.000	0.000	0.0	0	-1.77#
10 TMP	2-Propanol	-1.000	0.000	0.0	0	-2.43#
11 TMP	Acetone	-1.000	0.000	0.0	0	-2.25#
12 TMP	1,1-Dichloroethene	0.100	0.092	8.0	100	0.00
13 TMP	Hexane	-1.000	0.000	0.0	0	-3.05#
14 TMP	Methylene chloride	-1.000	0.000	0.0	0	-2.60#
15 TMP	t-Butyl alcohol (TBA)	-1.000	0.000	0.0	0	-2.72#
16 TMP	Methyl t-butyl ether (MTBE)	0.100	0.093	7.0	102	0.00
17 TMP	trans-1,2-Dichloroethene	0.100	0.101	-1.0	100	0.00
18 TMP	Diisopropyl ether (DIPE)	-1.000	0.000	0.0	0	-3.23#
19 TMP	1,1-Dichloroethane	0.100	0.093	7.0	100	0.00
20 TMP	Ethyl t-butyl ether (ETBE)	-1.000	0.000	0.0	0	-3.54#
21 TMP	2,2-Dichloropropane	-1.000	0.000	0.0	0	-3.66#
22 TMP	cis-1,2-Dichloroethene	0.100	0.097	3.0	100	0.00
23 TMP	Chloroform	-1.000	0.000	0.0	0	-3.94#
24 TMP	2-Butanone (MEK)	-1.000	0.000	0.0	0	-3.70#
25 TMP	t-Amyl methyl ether (TAME)	-1.000	0.000	0.0	0	-4.49#
26 TMP	1,2-Dichloroethane (EDC)	0.100	0.116	-16.0	100	0.00
27 TMP	1,1,1-Trichloroethane	0.100	0.093	7.0	100	0.00
28 TMP	1,1-Dichloropropane	-1.000	0.000	0.0	0	-4.22#
29 TMP	Carbon tetrachloride	-1.000	0.000	0.0	0	-4.21#
30 S	1,2-Dichloroethane-d4	10.000	9.902	1.0	100	0.00
31 TMP	Benzene	0.100	0.078	22.0#	100	0.00
32 TMP	Trichloroethene	0.100	0.094	6.0	100	0.00
33 TMP	1,2-Dichloropropane	-1.000	0.000	0.0	0	-5.13#
34 TMP	Bromodichloromethane	-1.000	0.000	0.0	0	-5.37#
35 S	Toluene-d8	10.000	9.736	2.6	100	0.00
36 TMP	Dibromomethane	-1.000	0.000	0.0	0	-5.23#
37 TMP	4-Methyl-2-pentanone	-1.000	0.000	0.0	0	-5.91#
38 TMP	cis-1,3-Dichloropropene	-1.000	0.000	0.0	0	-5.75#
39 I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40 TMP	Toluene	0.100	0.096	4.0	100	0.00
41 TMP	trans-1,3-Dichloropropene	-1.000	0.000	0.0	0	-6.25#
42 TMP	1,1,2-Trichloroethane	0.100	0.074	26.0#	100	0.00
43 TMP	2-Hexanone	-1.000	0.000	0.0	0	-6.64#

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110322.D
 Acq On : 03 Nov 2022 02:54 pm
 Operator : LM
 Sample : 0.1 ppb 8260 ICAL 67-177H
 Misc : soil/water
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 13:09:29 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	-1.000	0.000	0.0	0	-6.55#
45 TMP Tetrachloroethene	0.100	0.084	16.0	100	0.00
46 TMP Dibromochloromethane	-1.000	0.000	0.0	0	-6.75#
47 TMP 1,2-Dibromoethane (EDB)	0.100	0.097	3.0	100	0.00
48 TMP Chlorobenzene	-1.000	0.000	0.0	0	-7.29#
49 TMP Ethylbenzene	0.100	0.093	7.0	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	-1.000	0.000	0.0	0	-7.38#
51 TMP m,p-Xylene	0.200	0.187	6.5	100	0.00
52 TMP o-Xylene	0.100	0.092	8.0	100	0.00
53 TMP Styrene	-1.000	0.000	0.0	0	-7.90#
54 TMP Isopropylbenzene	-1.000	0.000	0.0	0	-8.23#
55 TMP Bromoform	-1.000	0.000	0.0	0	-8.07#
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	10.000	0.000	100.0#	0	-8.38#
58 TMP n-Propylbenzene	-1.000	0.000	0.0	0	-8.62#
59 TMP Bromobenzene	-1.000	0.000	0.0	0	-8.51#
60 TMP 1,3,5-Trimethylbenzene	-1.000	0.000	0.0	0	-8.79#
61 TMP 1,1,2,2-Tetrachloroethane	-1.000	0.000	0.0	0	-8.53#
62 TMP 1,2,3-Trichloropropane	-1.000	0.000	0.0	0	-8.56#
63 TMP 2-Chlorotoluene	-1.000	0.000	0.0	0	-8.70#
64 TMP 4-Chlorotoluene	-1.000	0.000	0.0	0	-8.80#
65 TMP tert-Butylbenzene	-1.000	0.000	0.0	0	-9.10#
66 TMP 1,2,4-Trimethylbenzene	-1.000	0.000	0.0	0	-9.15#
67 TMP sec-Butylbenzene	-1.000	0.000	0.0	0	-9.31#
68 TMP p-Isopropyltoluene	-1.000	0.000	0.0	0	-9.46#
69 TMP 1,3-Dichlorobenzene	-1.000	0.000	0.0	0	-9.42#
70 TMP 1,4-Dichlorobenzene	-1.000	0.000	0.0	0	-9.50#
71 TMP 1,2-Dichlorobenzene	-1.000	0.000	0.0	0	-9.86#
72 TMP 1,2-Dibromo-3-chloropropane	-1.000	0.000	0.0	0	-10.63#
73 TMP 1,2,4-Trichlorobenzene	-1.000	0.000	0.0	0	-11.44#
74 TMP Hexachlorobutadiene	-1.000	0.000	0.0	0	-11.61#
75 TMP Naphthalene	0.100	0.099	1.0	100	0.00
76 TMP 1,2,3-Trichlorobenzene	-1.000	0.000	0.0	0	-11.92#

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110322.D
 Acq On : 03 Nov 2022 02:54 pm
 Operator : LM
 Sample : 0.1 ppb 8260 ICAL 67-177H
 Misc : soil/water
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 13:09:29 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2 TMP	Ethanol	0.000	0.000#	0.0	0#	0.00
3 S	Dibromofluoromethane	0.283	0.289	-2.1	100	0.00
4 TMP	Dichlorodifluoromethane	0.771	0.000#	100.0#	0#	-1.09#
5 TMP	Chloromethane	0.937	0.000#	100.0#	0#	-1.22#
6 TMP	Vinyl chloride	0.838	0.750	10.5	96	0.00
7 TMP	Bromomethane	0.490	0.000#	100.0#	0#	-1.52#
8 TMP	Chloroethane	0.420	0.000#	100.0#	0#	-1.59#
9 TMP	Trichlorofluoromethane	0.910	0.000#	100.0#	0#	-1.77#
10 TMP	2-Propanol	0.000	0.000	0.0	0#	-2.43#
11 TMP	Acetone	0.046	0.000#	100.0#	0#	-2.25#
12 TMP	1,1-Dichloroethene	0.262	0.242	7.6	100	0.00
13 TMP	Hexane	0.408	0.000#	100.0#	0#	-3.05#
14 TMP	Methylene chloride	0.307	0.000#	100.0#	0#	-2.60#
15 TMP	t-Butyl alcohol (TBA)	0.034	0.000#	100.0#	0#	-2.72#
16 TMP	Methyl t-butyl ether (MTBE)	0.698	0.652	6.6	102	0.00
17 TMP	trans-1,2-Dichloroethene	0.296	0.299	-1.0	100	0.00
18 TMP	Diisopropyl ether (DIPE)	0.862	0.000#	100.0#	0#	-3.23#
19 TMP	1,1-Dichloroethane	0.527	0.487	7.6	100	0.00
20 TMP	Ethyl t-butyl ether (ETBE)	0.290	0.000#	100.0#	0#	-3.54#
21 TMP	2,2-Dichloropropane	0.356	0.000#	100.0#	0#	-3.66#
22 TMP	cis-1,2-Dichloroethene	0.316	0.305	3.5	100	0.00
23 TMP	Chloroform	0.496	0.000#	100.0#	0#	-3.94#
24 TMP	2-Butanone (MEK)	0.170	0.000#	100.0#	0#	-3.70#
25 TMP	t-Amyl methyl ether (TAME)	0.673	0.000#	100.0#	0#	-4.49#
26 TMP	1,2-Dichloroethane (EDC)	0.375	0.434	-15.7	100	0.00
27 TMP	1,1,1-Trichloroethane	0.428	0.396	7.5	100	0.00
28 TMP	1,1-Dichloropropane	0.346	0.000#	100.0#	0#	-4.22#
29 TMP	Carbon tetrachloride	0.372	0.000#	100.0#	0#	-4.21#
30 S	1,2-Dichloroethane-d4	0.063	0.062	1.6	100	0.00
31 TMP	Benzene	1.078	1.000	7.2	100	0.00
32 TMP	Trichloroethene	0.311	0.293	5.8	100	0.00
33 TMP	1,2-Dichloropropane	0.266	0.000#	100.0#	0#	-5.13#
34 TMP	Bromodichloromethane	0.319	0.000#	100.0#	0#	-5.37#
35 S	Toluene-d8	0.888	0.864	2.7	100	0.00
36 TMP	Dibromomethane	0.162	0.000#	100.0#	0#	-5.23#
37 TMP	4-Methyl-2-pentanone	0.045	0.000#	100.0#	0#	-5.91#
38 TMP	cis-1,3-Dichloropropene	0.364	0.000#	100.0#	0#	-5.75#
39 I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40 TMP	Toluene	0.869	0.830	4.5	100	0.00
41 TMP	trans-1,3-Dichloropropene	0.405	0.000#	100.0#	0#	-6.25#
42 TMP	1,1,2-Trichloroethane	0.260	0.248	4.6	100	0.00
43 TMP	2-Hexanone	0.268	0.000#	100.0#	0#	-6.64#

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110322.D
 Acq On : 03 Nov 2022 02:54 pm
 Operator : LM
 Sample : 0.1 ppb 8260 ICAL 67-177H
 Misc : soil/water
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 13:09:29 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.430	0.000#	100.0#	0#	-6.55#
45 TMP Tetrachloroethene	0.406	0.480	-18.2	100	0.00
46 TMP Dibromochloromethane	0.344	0.000#	100.0#	0#	-6.75#
47 TMP 1,2-Dibromoethane (EDB)	0.317	0.308	2.8	100	0.00
48 TMP Chlorobenzene	0.922	0.000#	100.0#	0#	-7.29#
49 TMP Ethylbenzene	1.605	1.494	6.9	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.356	0.000#	100.0#	0#	-7.38#
51 TMP m,p-Xylene	0.626	0.587	6.2	100	0.00
52 TMP o-Xylene	0.622	0.573	7.9	100	0.00
53 TMP Styrene	0.907	0.000#	100.0#	0#	-7.90#
54 TMP Isopropylbenzene	1.561	0.000#	100.0#	0#	-8.23#
55 TMP Bromoform	0.258	0.000#	100.0#	0#	-8.07#
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	0.748	0.000	100.0#	0#	-8.38#
58 TMP n-Propylbenzene	3.027	0.000#	100.0#	0#	-8.62#
59 TMP Bromobenzene	0.740	0.000#	100.0#	0#	-8.51#
60 TMP 1,3,5-Trimethylbenzene	2.224	0.000#	100.0#	0#	-8.79#
61 TMP 1,1,2,2-Tetrachloroethane	0.717	0.000#	100.0#	0#	-8.53#
62 TMP 1,2,3-Trichloropropane	0.549	0.000#	100.0#	0#	-8.56#
63 TMP 2-Chlorotoluene	1.828	0.000#	100.0#	0#	-8.70#
64 TMP 4-Chlorotoluene	1.994	0.000#	100.0#	0#	-8.80#
65 TMP tert-Butylbenzene	1.953	0.000#	100.0#	0#	-9.10#
66 TMP 1,2,4-Trimethylbenzene	2.250	0.000#	100.0#	0#	-9.15#
67 TMP sec-Butylbenzene	2.892	0.000#	100.0#	0#	-9.31#
68 TMP p-Isopropyltoluene	2.502	0.000#	100.0#	0#	-9.46#
69 TMP 1,3-Dichlorobenzene	1.434	0.000#	100.0#	0#	-9.42#
70 TMP 1,4-Dichlorobenzene	1.430	0.000#	100.0#	0#	-9.50#
71 TMP 1,2-Dichlorobenzene	1.428	0.000#	100.0#	0#	-9.86#
72 TMP 1,2-Dibromo-3-chloropropane	0.145	0.000#	100.0#	0#	-10.63#
73 TMP 1,2,4-Trichlorobenzene	1.063	0.000#	100.0#	0#	-11.44#
74 TMP Hexachlorobutadiene	0.623	0.000#	100.0#	0#	-11.61#
75 TMP Naphthalene	2.362	2.329	1.4	100	0.00
76 TMP 1,2,3-Trichlorobenzene	0.987	0.000#	100.0#	0#	-11.92#

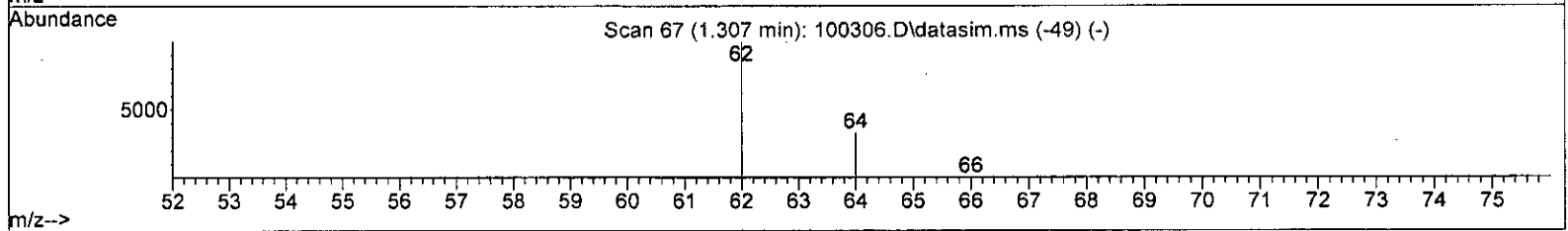
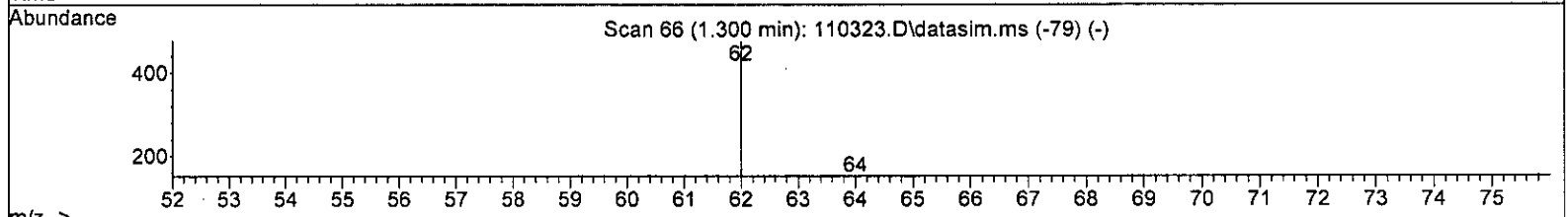
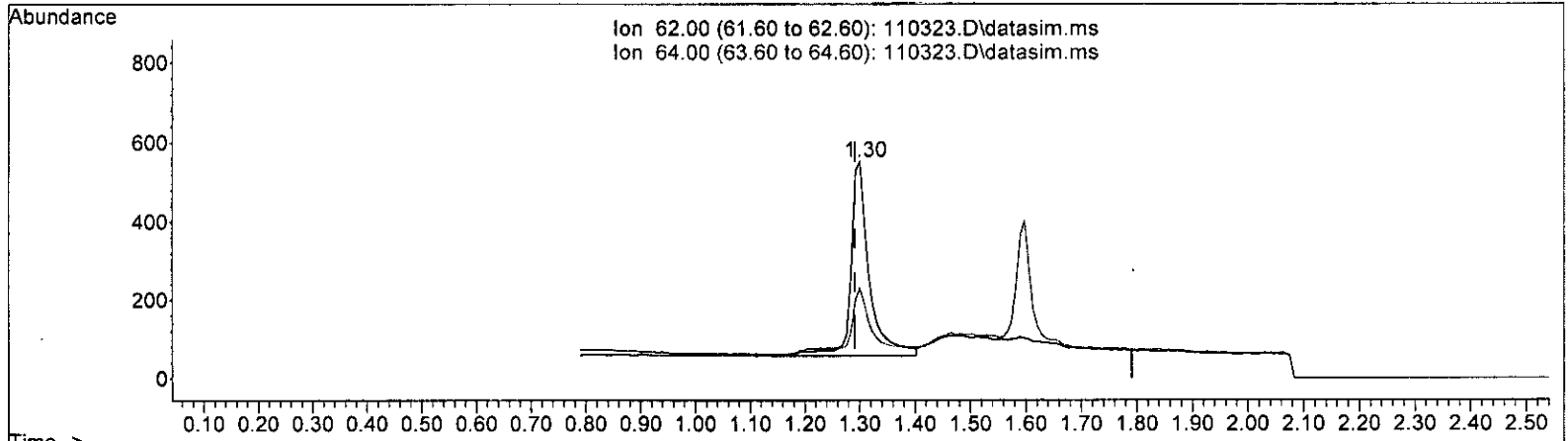
(#) = Out of Range

SPCC's out = 50 CCC's out = 0

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110323.D
 Acq On : 03 Nov 2022 03:17 pm
 Operator : LM
 Sample : 0.2 ppb 8260 ICAL 67-177I
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 13:09:31 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M



TIC: 110323.D\data.ms

(6) Vinyl chloride (TMP)

1.300min (+ 0.009) 0.221 ppb

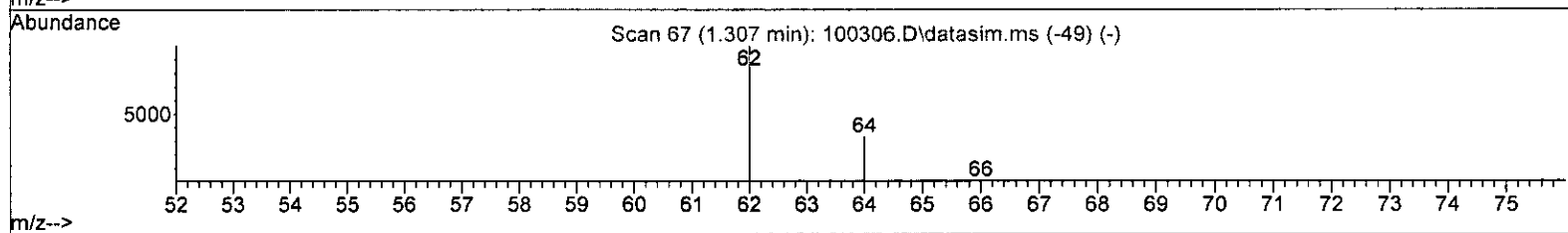
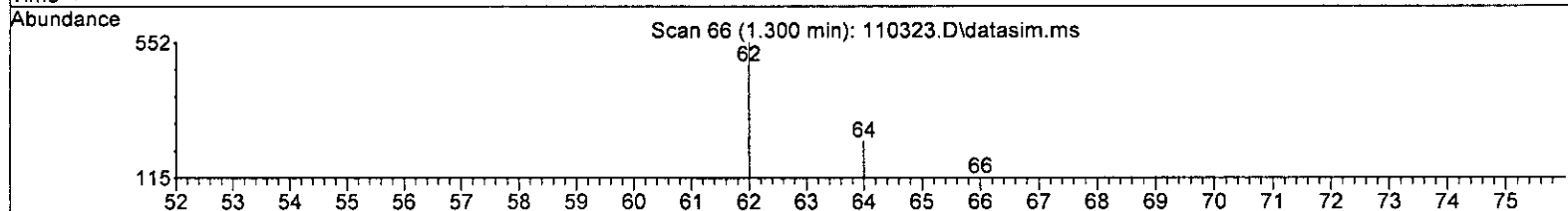
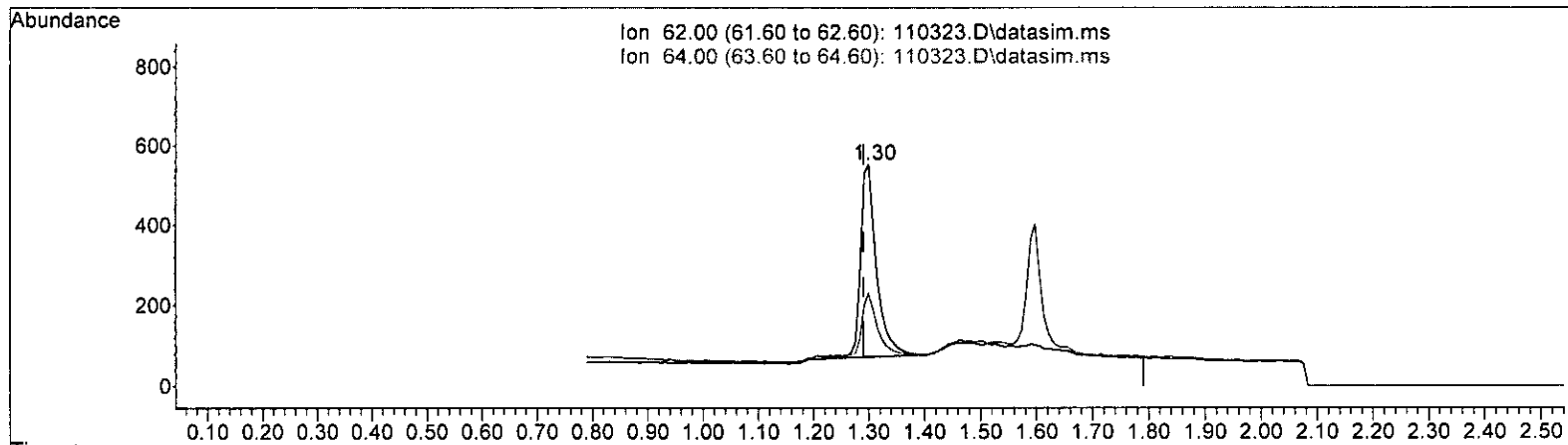
response 1137

Ion	Exp%	Act%
62.00	100.00	100.00
64.00	32.40	34.14
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110323.D
 Acq On : 03 Nov 2022 03:17 pm
 Operator : LM
 Sample : 0.2 ppb 8260 ICAL 67-177I
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 13:09:31 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M



TIC: 110323.D\data.ms

(6) Vinyl chloride (TMP)

1.300min (+ 0.009) 0.182 ppb m

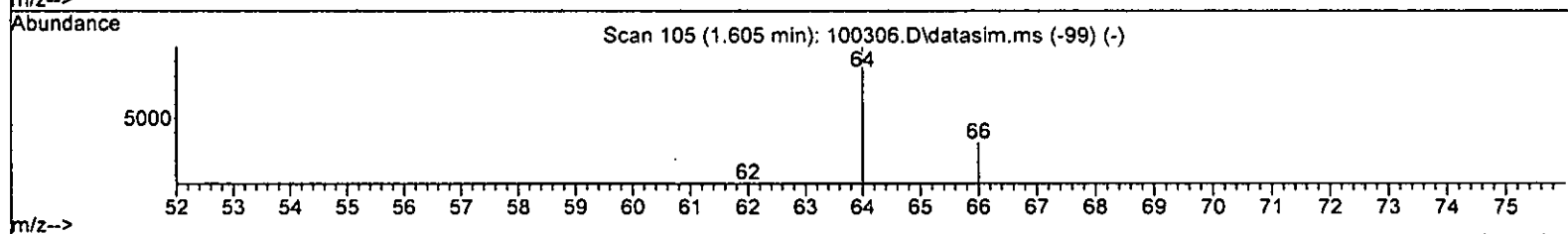
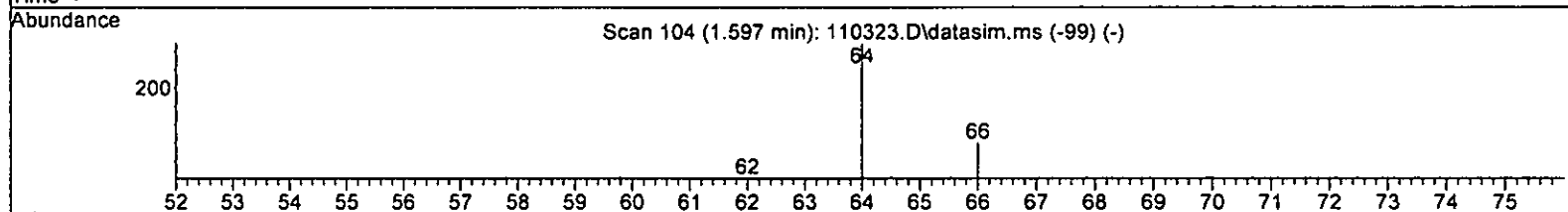
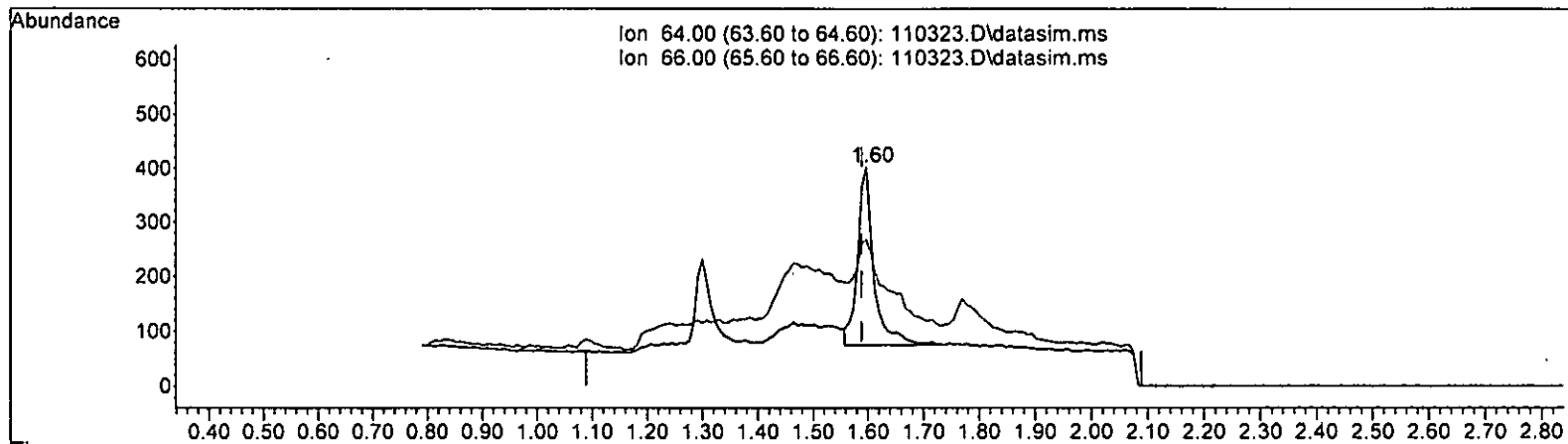
response 934

Ion	Exp%	Act%
62.00	100.00	100.00
64.00	32.40	41.77
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110323.D
 Acq On : 03 Nov 2022 03:17 pm
 Operator : LM
 Sample : 0.2 ppb 8260 ICAL 67-177I
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 13:09:31 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M



TIC: 110323.D\data.ms

(8) Chloroethane (TMP)

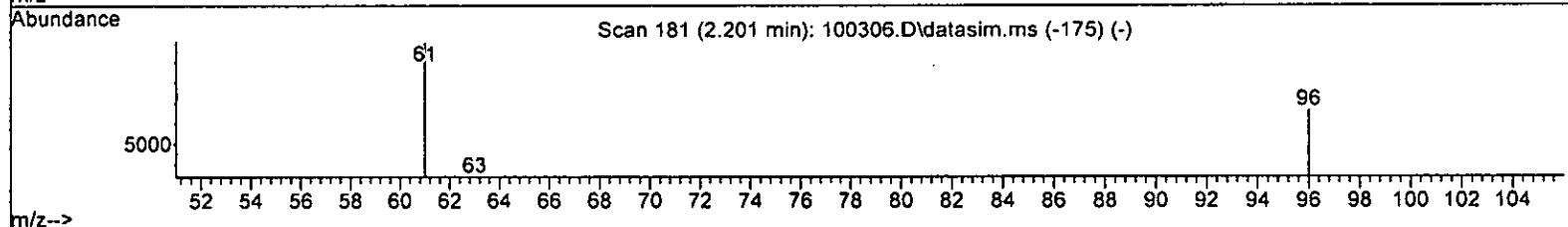
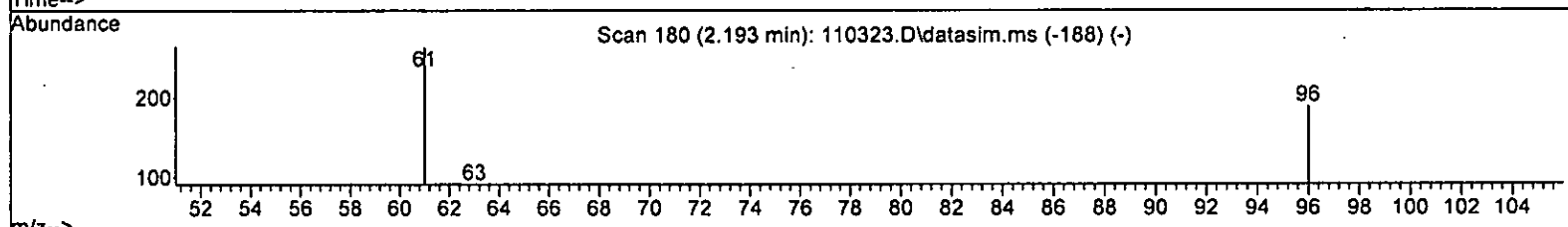
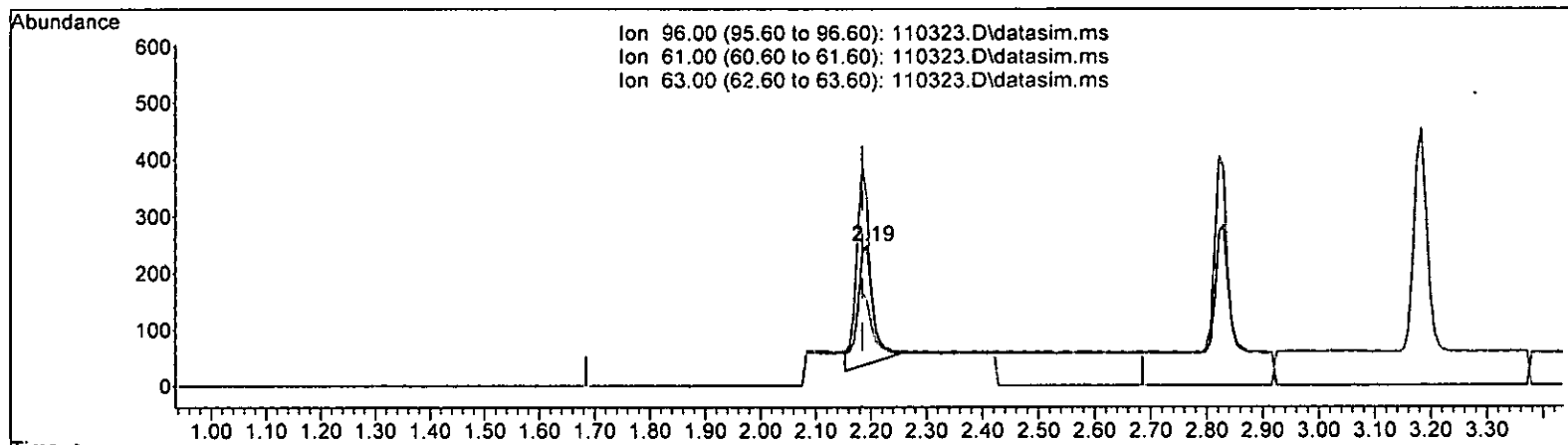
1.597min (+ 0.008) 0.256 ppb

response	661	
Ion	Exp%	Act%
64.00	100.00	100.00
66.00	32.40	47.56
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110323.D
 Acq On : 03 Nov 2022 03:17 pm
 Operator : LM
 Sample : 0.2 ppb 8260 ICAL 67-177I
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 13:09:31 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M



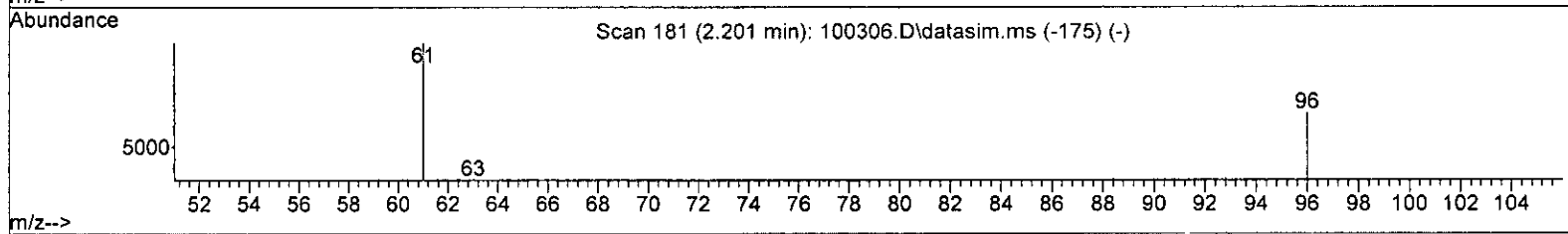
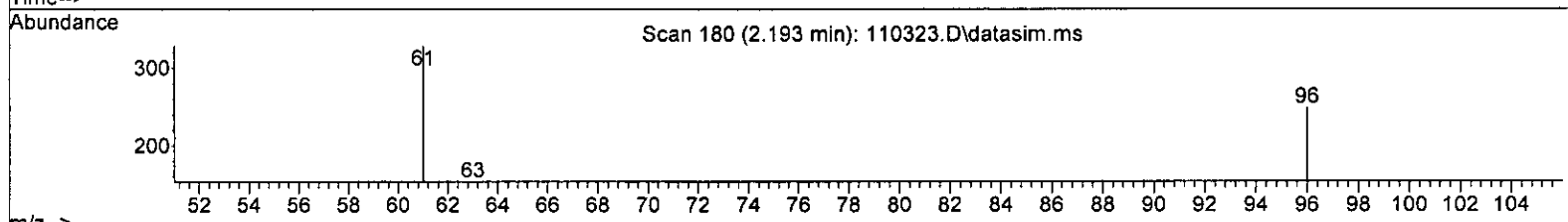
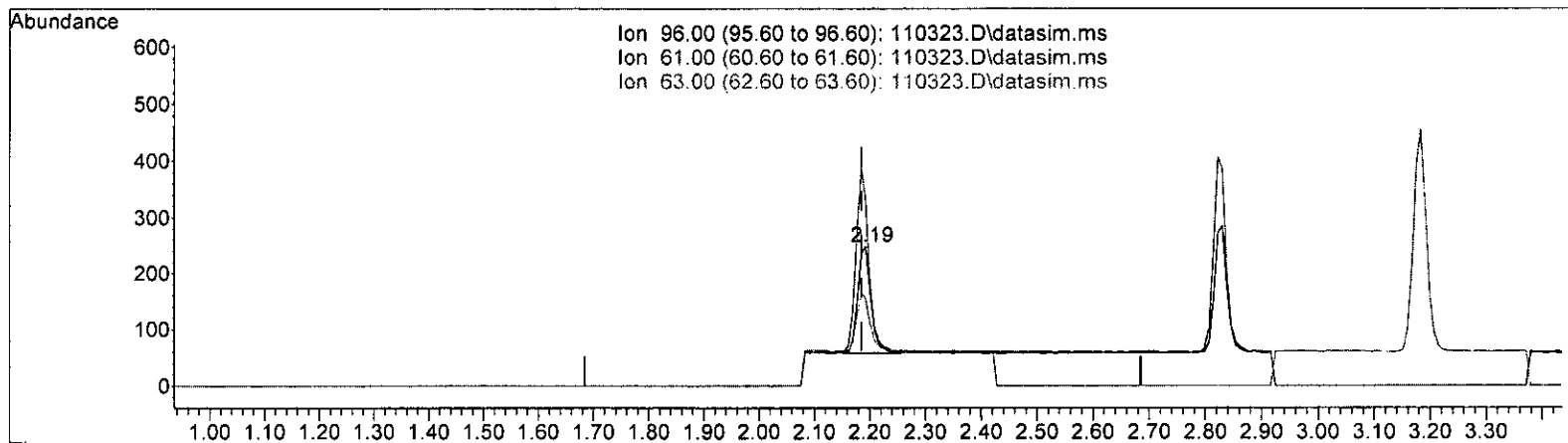
TIC: 110323.D\data.ms

(12)	1,1-Dichloroethene (TMP)	
2.193min (+ 0.008)	0.253 ppb	
response	406	
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	155.80	141.27
63.00	52.50	48.15
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110323.D
 Acq On : 03 Nov 2022 03:17 pm
 Operator : LM
 Sample : 0.2 ppb 8260 ICAL 67-177I
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 13:09:31 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M



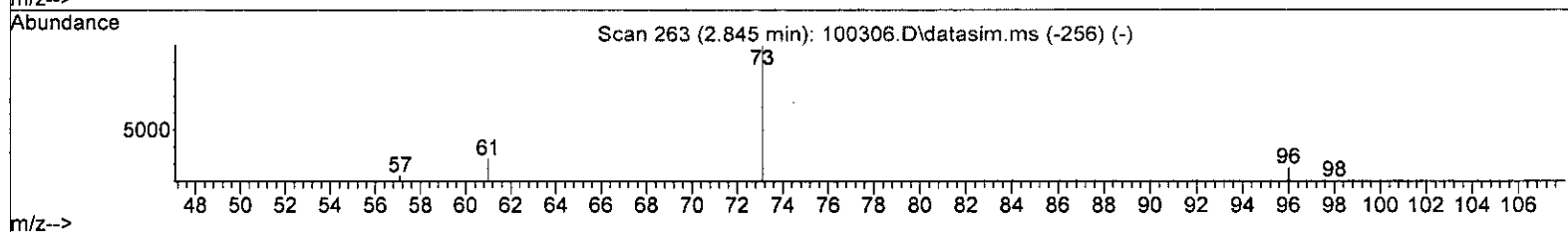
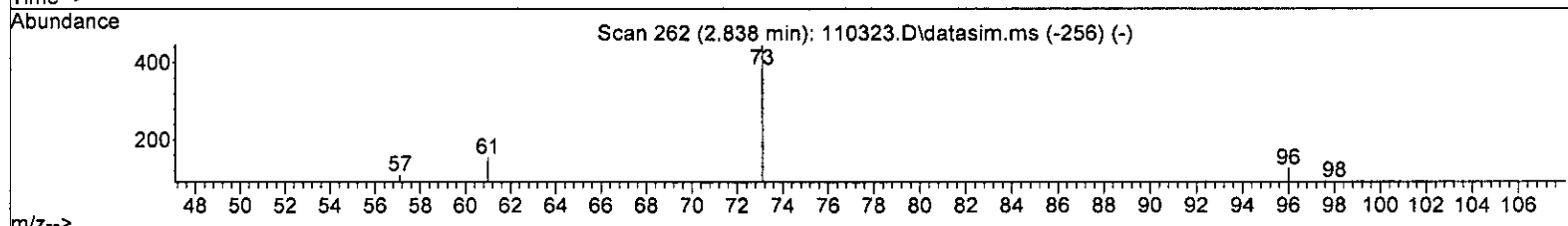
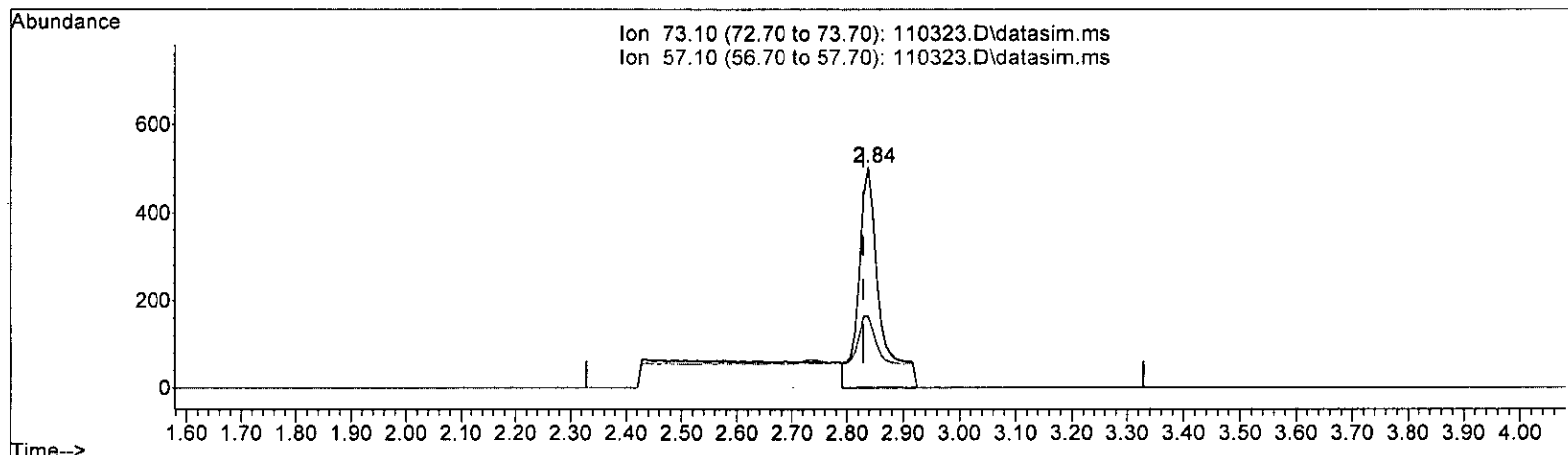
TIC: 110323.D\data.ms

(12) 1,1-Dichloroethene (TMP)		
2.193min (+ 0.008)	0.195 ppb m	
response	314	
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	155.80	132.26
63.00	52.50	61.69
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110323.D
 Acq On : 03 Nov 2022 03:17 pm
 Operator : LM
 Sample : 0.2 ppb 8260 ICAL 67-177I
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 13:09:31 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M



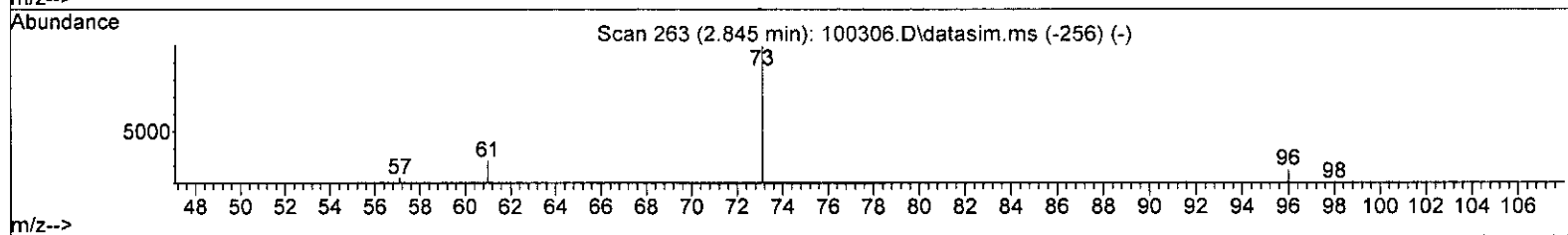
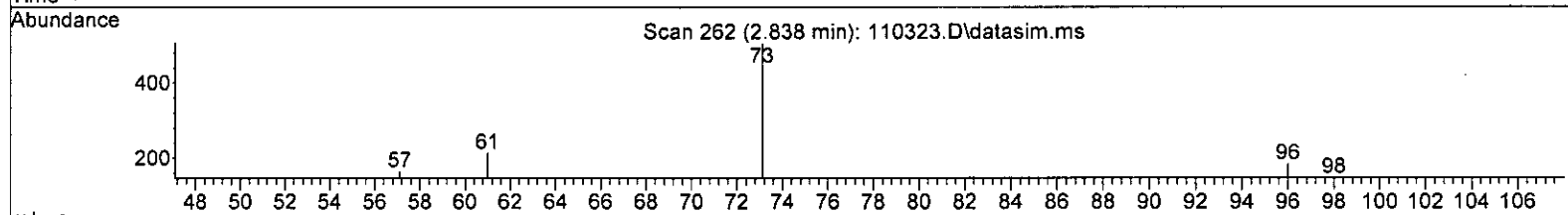
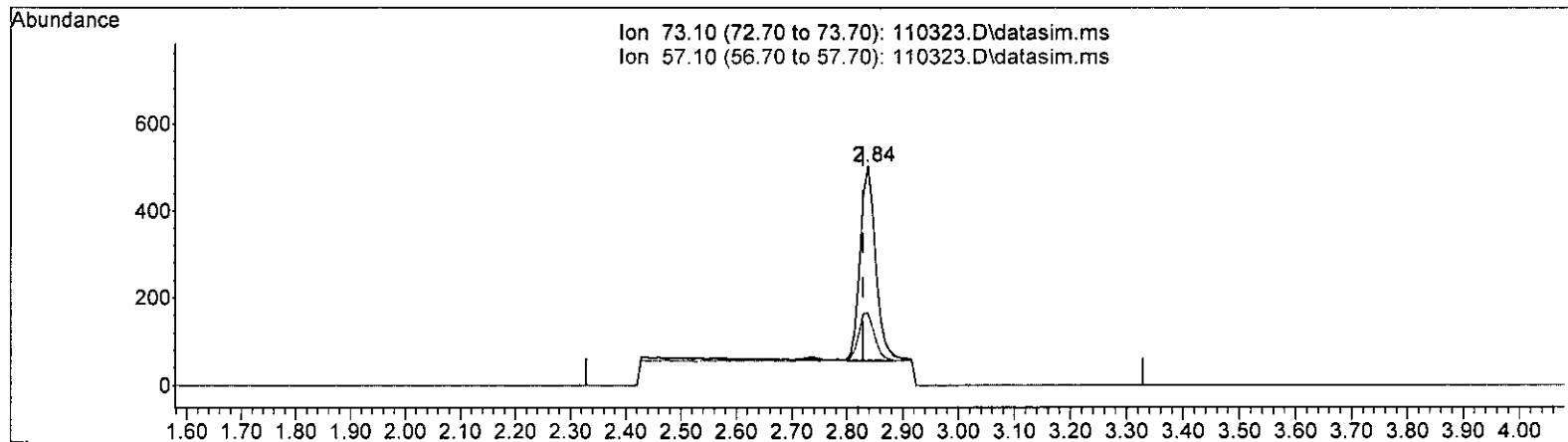
TIC: 110323.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)			
2.838min (+ 0.009)		0.302 ppb	
response	1293		
Ion	Exp%	Act%	
73.10	100.00	100.00	
57.10	23.10	32.60	
0.00	0.00	0.00	
0.00	0.00	0.00	

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110323.D
 Acq On : 03 Nov 2022 03:17 pm
 Operator : LM
 Sample : 0.2 ppb 8260 ICAL 67-177I
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 13:09:31 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M



TIC: 110323.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

2.838min (+ 0.009) 0.202 ppb m

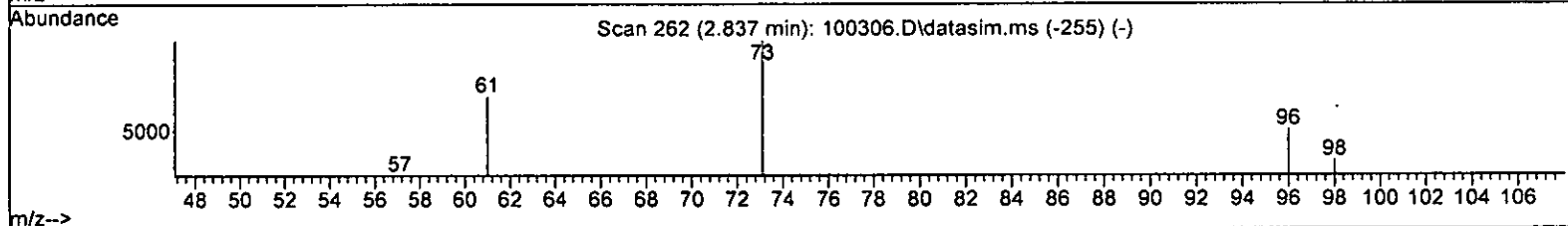
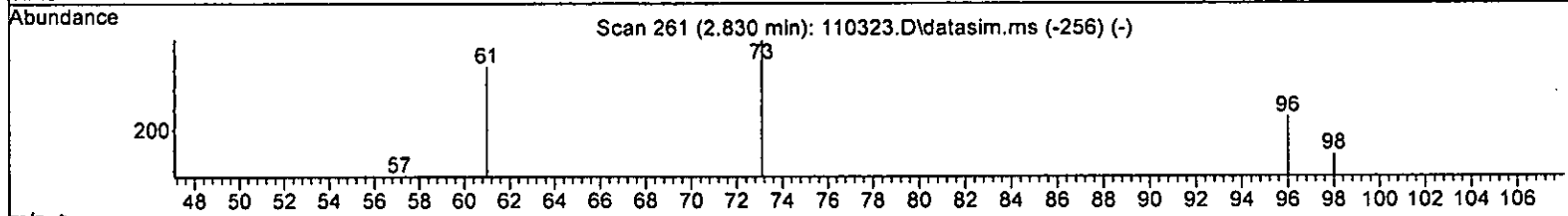
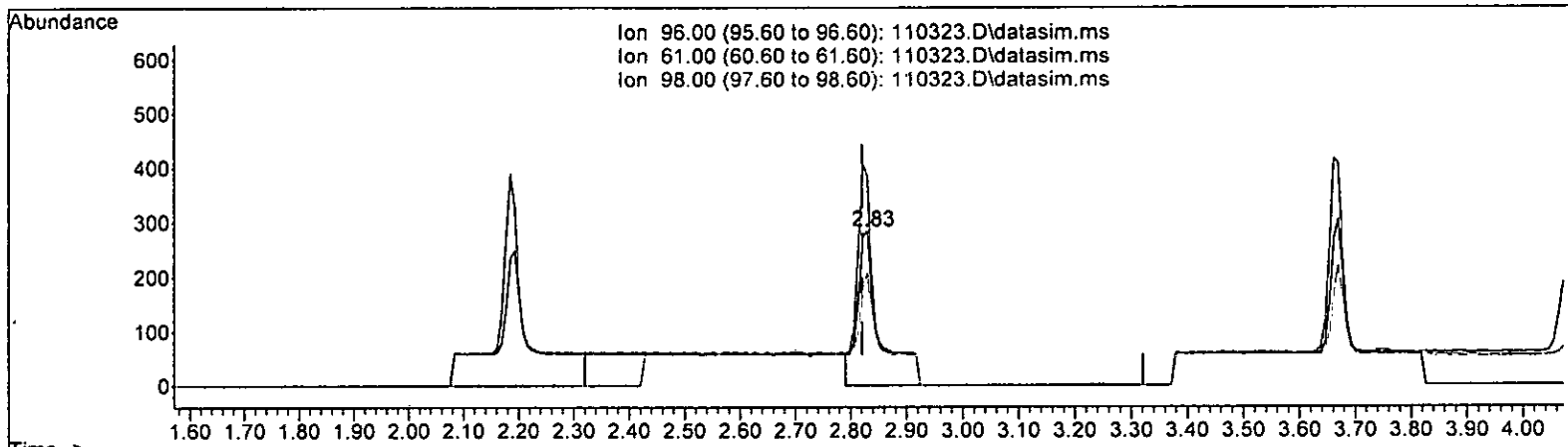
response 863

Ion	Exp%	Act%
73.10	100.00	100.00
57.10	23.10	32.60
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110323.D
 Acq On : 03 Nov 2022 03:17 pm
 Operator : LM
 Sample : 0.2 ppb 8260 ICAL 67-177I
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 13:09:31 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M



TIC: 110323.D\data.ms

(17) trans-1,2-Dichloroethene (TMP)

2.830min (+ 0.009) 0.439 ppb

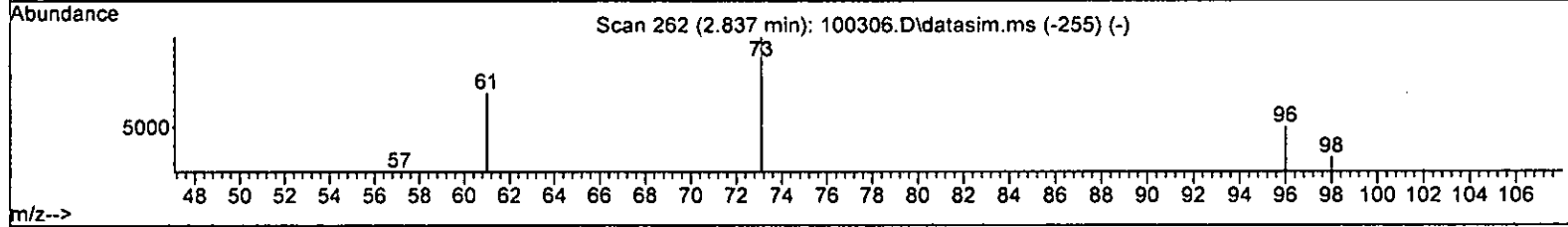
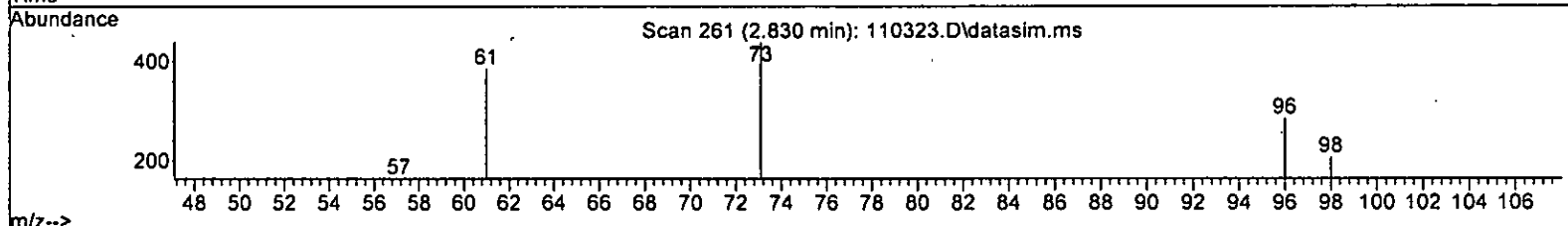
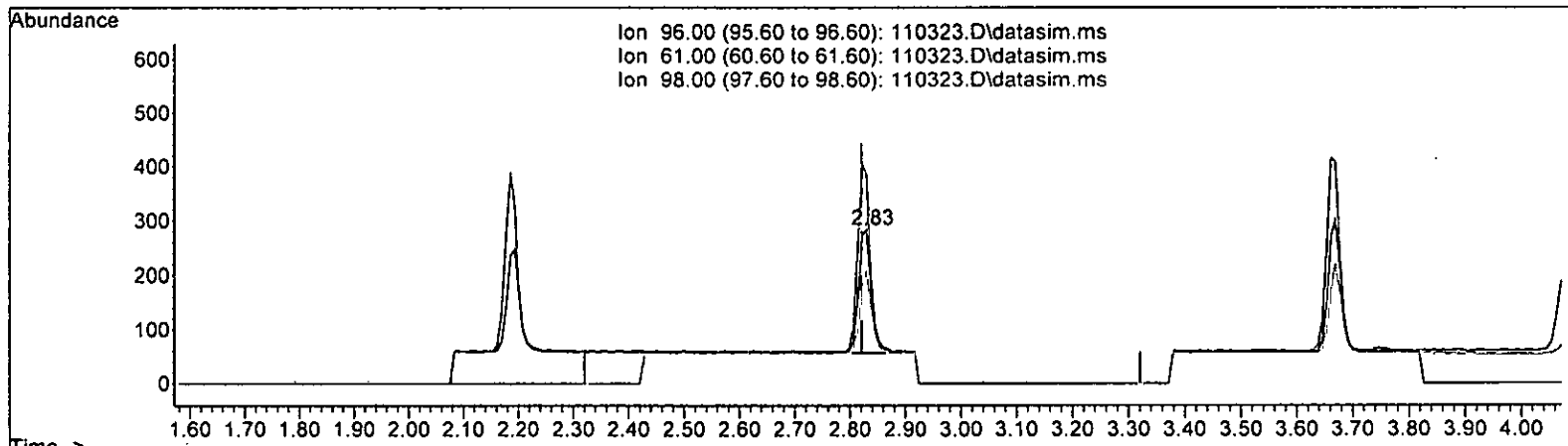
response 797

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	138.60	135.56
98.00	66.00	72.54
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110323.D
 Acq On : 03 Nov 2022 03:17 pm
 Operator : LM
 Sample : 0.2 ppb 8260 ICAI 67-177I
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 13:09:31 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M



TIC: 110323.D\data.ms

(17) trans-1,2-Dichloroethene (TMP)

2.830min (+ 0.009) 0.200 ppb m

response 363

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	138.60	135.56
98.00	66.00	72.54
0.00	0.00	0.00

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110323.D
 Acq On : 03 Nov 2022 03:17 pm
 Operator : LM
 Sample : 0.2 ppb 8260 ICAL 67-177I
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 13:09:31 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) Fluorobenzene	4.63	96	61311	10.000	ppb	0.00	
39) Chlorobenzene-d5	7.27	117	44921	10.000	ppb	0.00	
56) 1,4-Dichlorobenzene-d4	9.48	152	25317	10.000	ppb	0.00	
System Monitoring Compounds							
3) Dibromofluoromethane	4.07	113	16722	9.632	ppb	0.00	
Spiked Amount	10.000	Range 50 - 150	Recovery	=	96.30%		
30) 1,2-Dichloroethane-d4	4.35	102	3941	10.201	ppb	0.00	
Spiked Amount	10.000	Range 79 - 128	Recovery	=	102.00%		
35) Toluene-d8	5.98	98	54628	10.037	ppb	0.00	
Spiked Amount	10.000	Range 84 - 121	Recovery	=	100.40%		
57) 4-Bromofluorobenzene	8.38	95	19644	10.376	ppb	0.00	
Spiked Amount	10.000	Range 84 - 116	Recovery	=	103.80%		
Target Compounds							
							Qvalue
2) Ethanol	0.00		0	N.D.			
4) Dichlorodifluoromethane	0.00		0	N.D.	d		
5) Chloromethane	0.00		0	N.D.	d		
6] Vinyl chloride	1.30	62	934m	0.182	ppb		
7) Bromomethane	0.00		0	N.D.	d		
8] Chloroethane	1.60	64	511m	0.198	ppb		
9) Trichlorofluoromethane	1.77	101	1136	0.204	ppb		79
10) 2-Propanol	0.00		0	N.D.			
11) Acetone	0.00		0	N.D.	d		
12] 1,1-Dichloroethene	2.19	96	314m	0.195	ppb		
13) Hexane	0.00		0	N.D.	d		
14) Methylene chloride	0.00		0	N.D.	d		
15) t-Butyl alcohol (TBA)	0.00		0	N.D.	d		
16] Methyl t-butyl ether (...)	2.84	73	863m	0.202	ppb		
17] trans-1,2-Dichloroethene	2.83	96	363m	0.200	ppb		
18) Diisopropyl ether (DIPE)	3.24	45	1055	0.200	ppb		92
19] 1,1-Dichloroethane	3.18	63	637	0.197	ppb		99
20) Ethyl t-butyl ether (E...)	3.54	87	385	0.217	ppb	#	48
21) 2,2-Dichloropropane	3.66	77	396	0.181	ppb		72
22] cis-1,2-Dichloroethene	3.67	96	386	0.200	ppb		98
23) Chloroform	0.00		0	N.D.	d		
24) 2-Butanone (MEK)	3.71	43	1382	1.323	ppb		84
25) t-Amyl methyl ether (T...)	4.50	73	863	0.209	ppb		97
26] 1,2-Dichloroethane (EDC)	4.41	62	507	0.221	ppb		99
27] 1,1,1-Trichloroethane	4.08	97	508	0.194	ppb		98
28) 1,1-Dichloropropene	4.22	75	439	0.207	ppb		64
29) Carbon tetrachloride	4.21	117	514	0.225	ppb	#	67
31] Benzene	4.39	78	1290	0.187	ppb		97
32] Trichloroethene	4.93	95	373	0.196	ppb		91
33) 1,2-Dichloropropane	5.13	63	340	0.208	ppb	#	89
34) Bromodichloromethane	5.37	83	401	0.205	ppb		81
36) Dibromomethane	5.22	93	222	0.223	ppb	#	68

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110323.D
 Acq On : 03 Nov 2022 03:17 pm
 Operator : LM
 Sample : 0.2 ppb 8260 ICAL 67-177I
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS11

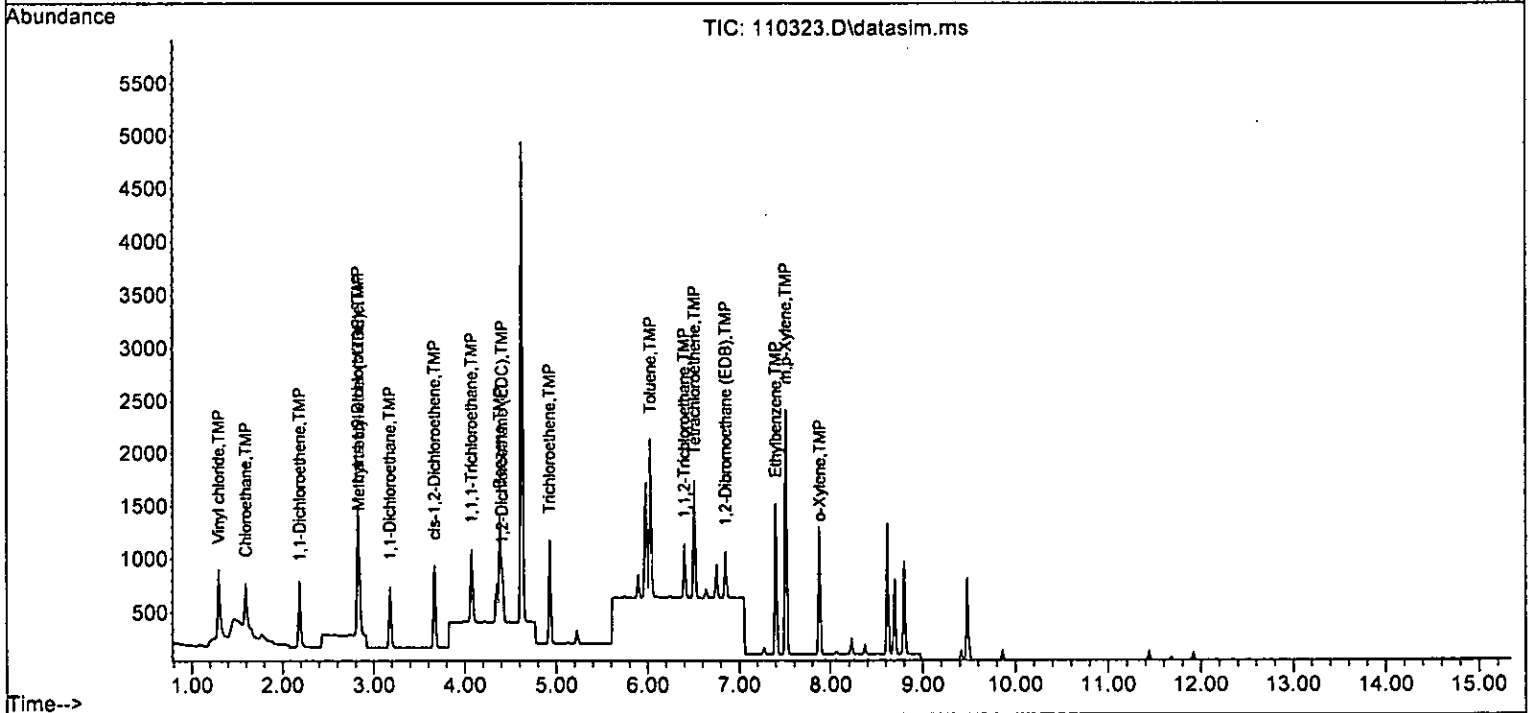
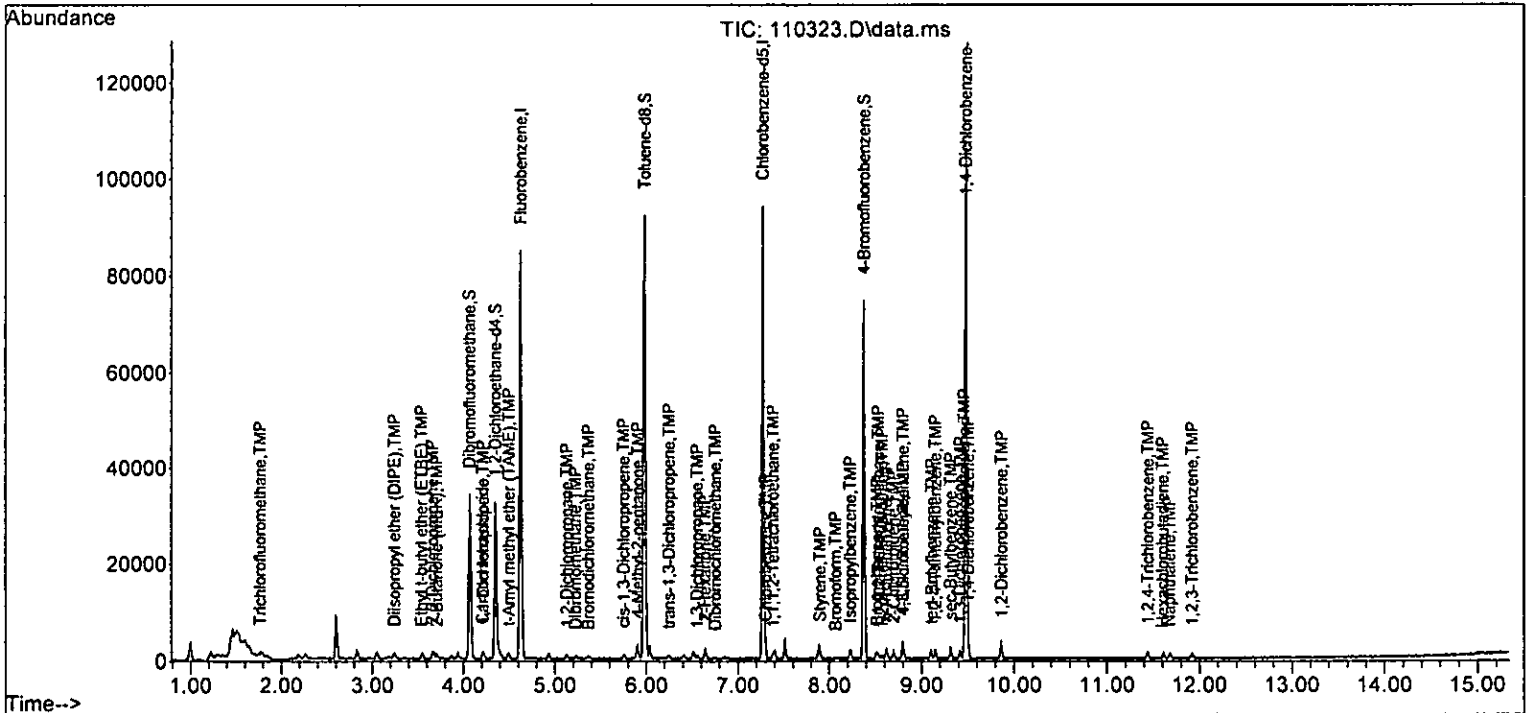
Quant Time: Nov 07 13:09:31 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	5.91	85	304	1.094	ppb	82
38) cis-1,3-Dichloropropene	5.75	75	574	0.257	ppb	77
40] Toluene	6.03	92	789	0.202	ppb	93
41) trans-1,3-Dichloropropene	6.25	75	434	0.238	ppb	82
42] 1,1,2-Trichloroethane	6.40	83	239	0.195	ppb	91
43) 2-Hexanone	6.64	43	1286	1.068	ppb	84
44) 1,3-Dichloropropane	6.55	76	392	0.203	ppb	57
45] Tetrachloroethene	6.51	164	386	0.194	ppb	95
46) Dibromochloromethane	6.75	129	395	0.256	ppb	88
47] 1,2-Dibromoethane (EDB)	6.85	107	303	0.213	ppb	96
48) Chlorobenzene	7.30	112	896	0.216	ppb	94
49] Ethylbenzene	7.40	91	1428	0.198	ppb	93
50) 1,1,1,2-Tetrachloroethane	7.38	131	305	0.191	ppb	72
51] m,p-Xylene	7.51	106	1089	0.387	ppb	85
52] o-Xylene	7.88	106	537	0.192	ppb	84
53) Styrene	7.90	104	819	0.201	ppb	70
54) Isopropylbenzene	8.23	105	1428	0.204	ppb	97
55) Bromoform	8.07	173	278	0.240	ppb	64
58) n-Propylbenzene	8.62	91	1609	0.210	ppb	83
59) Bromobenzene	8.52	156	374	0.200	ppb	83
60) 1,3,5-Trimethylbenzene	8.80	105	1142	0.203	ppb	87
61) 1,1,2,2-Tetrachloroethane	8.53	83	415	0.229	ppb	95
62) 1,2,3-Trichloropropane	8.57	75	384	0.276	ppb	79
63) 2-Chlorotoluene	8.70	91	1002	0.217	ppb	91
64) 4-Chlorotoluene	8.80	91	991	0.196	ppb	97
65) tert-Butylbenzene	9.11	119	973	0.197	ppb	73
66) 1,2,4-Trimethylbenzene	9.15	105	1114	0.196	ppb	85
67) sec-Butylbenzene	9.31	105	1394	0.190	ppb	82
68) p-Isopropyltoluene	9.46	119	1181	0.186	ppb	94
69) 1,3-Dichlorobenzene	9.42	146	794	0.219	ppb	93
70) 1,4-Dichlorobenzene	9.50	146	757	0.209	ppb	84
71) 1,2-Dichlorobenzene	9.86	146	774	0.214	ppb	93
72) 1,2-Dibromo-3-chloropr...	0.00		0	N.D.		
73) 1,2,4-Trichlorobenzene	11.44	180	527	0.196	ppb	77
74) Hexachlorobutadiene	11.60	225	388	0.246	ppb #	53
75) Naphthalene	11.67	128	1052	0.176	ppb	94
76) 1,2,3-Trichlorobenzene	11.92	180	499	0.200	ppb	91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110323.D
 Acq On : 03 Nov 2022 03:17 pm
 Operator : LM
 Sample : 0.2 ppb 8260 ICAL 67-177I
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 13:09:31 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M



Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110323.D
 Acq On : 03 Nov 2022 03:17 pm
 Operator : LM
 Sample : 0.2 ppb 8260 ICAL 67-177I
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 13:09:31 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I Fluorobenzene	10.000	10.000	0.0	100	0.00
2 TMP Ethanol	-1.000	0.000	0.0	0	-1.86#
3 S Dibromofluoromethane	10.000	9.632	3.7	100	0.00
4 TMP Dichlorodifluoromethane	-1.000	0.000	0.0	0	-1.09#
5 TMP Chloromethane	-1.000	0.000	0.0	0	-1.22#
6 TMP Vinyl chloride	0.200	0.182	9.0	98	0.00
7 TMP Bromomethane	-1.000	0.000	0.0	0	-1.52#
8 TMP Chloroethane	0.200	0.198	1.0	102	0.00
9 TMP Trichlorofluoromethane	0.200	0.204	-2.0	100	0.00
10 TMP 2-Propanol	-1.000	0.000	0.0	0	-2.43#
11 TMP Acetone	-1.000	0.000	0.0	0	-2.25#
12 TMP 1,1-Dichloroethene	0.200	0.195	2.5	103	0.00
13 TMP Hexane	-1.000	0.000	0.0	0	-3.05#
14 TMP Methylene chloride	-1.000	0.000	0.0	0	-2.60#
15 TMP t-Butyl alcohol (TBA)	-1.000	0.000	0.0	0	-2.72#
16 TMP Methyl t-butyl ether (MTBE)	0.200	0.202	-1.0	102	0.00
17 TMP trans-1,2-Dichloroethene	0.200	0.200	0.0	98	0.00
18 TMP Diisopropyl ether (DIPE)	0.200	0.200	0.0	100	0.00
19 TMP 1,1-Dichloroethane	0.200	0.197	1.5	100	0.00
20 TMP Ethyl t-butyl ether (ETBE)	0.200	0.217	-8.5	100	0.00
21 TMP 2,2-Dichloropropane	0.200	0.181	9.5	100	0.00
22 TMP cis-1,2-Dichloroethene	0.200	0.200	0.0	100	0.00
23 TMP Chloroform	0.200	0.000	100.0#	0	-3.94#
24 TMP 2-Butanone (MEK)	1.000	1.323	-32.3#	100	0.00
25 TMP t-Amyl methyl ether (TAME)	0.200	0.209	-4.5	100	0.00
26 TMP 1,2-Dichloroethane (EDC)	0.200	0.221	-10.5	100	0.00
27 TMP 1,1,1-Trichloroethane	0.200	0.194	3.0	100	0.00
28 TMP 1,1-Dichloropropene	0.200	0.207	-3.5	100	0.00
29 TMP Carbon tetrachloride	0.200	0.225	-12.5	100	0.00
30 S 1,2-Dichloroethane-d4	10.000	10.201	-2.0	100	0.00
31 TMP Benzene	0.200	0.187	6.5	100	0.00
32 TMP Trichloroethene	0.200	0.196	2.0	100	0.00
33 TMP 1,2-Dichloropropane	0.200	0.208	-4.0	100	0.00
34 TMP Bromodichloromethane	0.200	0.205	-2.5	100	0.00
35 S Toluene-d8	10.000	10.037	-0.4	100	0.00
36 TMP Dibromomethane	0.200	0.223	-11.5	100	0.00
37 TMP 4-Methyl-2-pentanone	1.000	1.094	-9.4	100	0.00
38 TMP cis-1,3-Dichloropropene	0.200	0.257	-28.5#	100	0.00
39 I Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40 TMP Toluene	0.200	0.202	-1.0	100	0.00
41 TMP trans-1,3-Dichloropropene	0.200	0.238	-19.0	100	0.00
42 TMP 1,1,2-Trichloroethane	0.200	0.195	2.5	100	0.00
43 TMP 2-Hexanone	1.000	1.068	-6.8	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110323.D
 Acq On : 03 Nov 2022 03:17 pm
 Operator : LM
 Sample : 0.2 ppb 8260 ICAL 67-177I
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 13:09:31 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.200	0.203	-1.5	100	0.00
45 TMP Tetrachloroethene	0.200	0.194	3.0	100	0.00
46 TMP Dibromochloromethane	0.200	0.256	-28.0#	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	0.200	0.213	-6.5	100	0.00
48 TMP Chlorobenzene	0.200	0.216	-8.0	100	0.00
49 TMP Ethylbenzene	0.200	0.198	1.0	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.200	0.191	4.5	100	0.00
51 TMP m,p-Xylene	0.400	0.387	3.3	100	0.00
52 TMP o-Xylene	0.200	0.192	4.0	100	0.00
53 TMP Styrene	0.200	0.201	-0.5	100	0.00
54 TMP Isopropylbenzene	0.200	0.204	-2.0	100	0.00
55 TMP Bromoform	0.200	0.240	-20.0	100	0.00
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	10.000	10.376	-3.8	100	0.00
58 TMP n-Propylbenzene	0.200	0.210	-5.0	100	0.00
59 TMP Bromobenzene	0.200	0.200	0.0	100	0.00
60 TMP 1,3,5-Trimethylbenzene	0.200	0.203	-1.5	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.200	0.229	-14.5	100	0.00
62 TMP 1,2,3-Trichloropropane	0.200	0.276	-38.0#	100	0.00
63 TMP 2-Chlorotoluene	0.200	0.217	-8.5	100	0.00
64 TMP 4-Chlorotoluene	0.200	0.196	2.0	100	0.00
65 TMP tert-Butylbenzene	0.200	0.197	1.5	100	0.00
66 TMP 1,2,4-Trimethylbenzene	0.200	0.196	2.0	100	0.00
67 TMP sec-Butylbenzene	0.200	0.190	5.0	100	0.00
68 TMP p-Isopropyltoluene	0.200	0.186	7.0	100	0.00
69 TMP 1,3-Dichlorobenzene	0.200	0.219	-9.5	100	0.00
70 TMP 1,4-Dichlorobenzene	0.200	0.209	-4.5	100	0.00
71 TMP 1,2-Dichlorobenzene	0.200	0.214	-7.0	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	-1.000	0.000	0.0	0	-10.63#
73 TMP 1,2,4-Trichlorobenzene	0.200	0.196	2.0	100	0.00
74 TMP Hexachlorobutadiene	0.200	0.246	-23.0#	100	0.00
75 TMP Naphthalene	0.200	0.176	12.0	100	0.00
76 TMP 1,2,3-Trichlorobenzene	0.200	0.200	0.0	100	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110323.D
 Acq On : 03 Nov 2022 03:17 pm
 Operator : LM
 Sample : 0.2 ppb 8260 ICAL 67-177I
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 13:09:31 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2 TMP	Ethanol	0.000	0.000#	0.0	0#	-1.86#
3 S	Dibromofluoromethane	0.283	0.273	3.5	100	0.00
4 TMP	Dichlorodifluoromethane	0.771	0.000#	100.0#	0#	-1.09#
5 TMP	Chloromethane	0.937	0.000#	100.0#	0#	-1.22#
6 TMP	Vinyl chloride	0.838	0.762	9.1	98	0.00
7 TMP	Bromomethane	0.490	0.000#	100.0#	0#	-1.52#
8 TMP	Chloroethane	0.420	0.417	0.7	102	0.00
9 TMP	Trichlorofluoromethane	0.910	0.926	-1.8	100	0.00
10 TMP	2-Propanol	0.000	0.000	0.0	0#	-2.43#
11 TMP	Acetone	0.046	0.000#	100.0#	0#	-2.25#
12 TMP	1,1-Dichloroethene	0.262	0.256	2.3	103	0.00
13 TMP	Hexane	0.408	0.000#	100.0#	0#	-3.05#
14 TMP	Methylene chloride	0.307	0.000#	100.0#	0#	-2.60#
15 TMP	t-Butyl alcohol (TBA)	0.034	0.000#	100.0#	0#	-2.72#
16 TMP	Methyl t-butyl ether (MTBE)	0.698	0.704	-0.9	102	0.00
17 TMP	trans-1,2-Dichloroethene	0.296	0.296	0.0	98	0.00
18 TMP	Diisopropyl ether (DIPE)	0.862	0.860	0.2	100	0.00
19 TMP	1,1-Dichloroethane	0.527	0.519	1.5	100	0.00
20 TMP	Ethyl t-butyl ether (ETBE)	0.290	0.314	-8.3	100	0.00
21 TMP	2,2-Dichloropropane	0.356	0.323	9.3	100	0.00
22 TMP	cis-1,2-Dichloroethene	0.316	0.315	0.3	100	0.00
23 TMP	Chloroform	0.496	0.000#	100.0#	0#	-3.94#
24 TMP	2-Butanone (MEK)	0.170	0.225	-32.4#	100	0.00
25 TMP	t-Amyl methyl ether (TAME)	0.673	0.704	-4.6	100	0.00
26 TMP	1,2-Dichloroethane (EDC)	0.375	0.413	-10.1	100	0.00
27 TMP	1,1,1-Trichloroethane	0.428	0.414	3.3	100	0.00
28 TMP	1,1-Dichloropropene	0.346	0.358	-3.5	100	0.00
29 TMP	Carbon tetrachloride	0.372	0.419	-12.6	100	0.00
30 S	1,2-Dichloroethane-d4	0.063	0.064	-1.6	100	0.00
31 TMP	Benzene	1.078	1.052	2.4	100	0.00
32 TMP	Trichloroethene	0.311	0.304	2.3	100	0.00
33 TMP	1,2-Dichloropropane	0.266	0.277	-4.1	100	0.00
34 TMP	Bromodichloromethane	0.319	0.327	-2.5	100	0.00
35 S	Toluene-d8	0.888	0.891	-0.3	100	0.00
36 TMP	Dibromomethane	0.162	0.181	-11.7	100	0.00
37 TMP	4-Methyl-2-pentanone	0.045	0.050	-11.1	100	0.00
38 TMP	cis-1,3-Dichloropropene	0.364	0.468	-28.6#	100	0.00
39 I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40 TMP	Toluene	0.869	0.878	-1.0	100	0.00
41 TMP	trans-1,3-Dichloropropene	0.405	0.483	-19.3	100	0.00
42 TMP	1,1,2-Trichloroethane	0.260	0.266	-2.3	100	0.00
43 TMP	2-Hexanone	0.268	0.286	-6.7	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110323.D
 Acq On : 03 Nov 2022 03:17 pm
 Operator : LM
 Sample : 0.2 ppb 8260 ICAL 67-177I
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 13:09:31 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.430	0.436	-1.4	100	0.00
45 TMP Tetrachloroethene	0.406	0.430	-5.9	100	0.00
46 TMP Dibromochloromethane	0.344	0.440	-27.9#	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	0.317	0.337	-6.3	100	0.00
48 TMP Chlorobenzene	0.922	0.997	-8.1	100	0.00
49 TMP Ethylbenzene	1.605	1.589	1.0	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.356	0.339	4.8	100	0.00
51 TMP m,p-Xylene	0.626	0.606	3.2	100	0.00
52 TMP o-Xylene	0.622	0.598	3.9	100	0.00
53 TMP Styrene	0.907	0.912	-0.6	100	0.00
54 TMP Isopropylbenzene	1.561	1.589	-1.8	100	0.00
55 TMP Bromoform	0.258	0.309	-19.8	100	0.00
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	0.748	0.776	-3.7	100	0.00
58 TMP n-Propylbenzene	3.027	3.178	-5.0	100	0.00
59 TMP Bromobenzene	0.740	0.739	0.1	100	0.00
60 TMP 1,3,5-Trimethylbenzene	2.224	2.255	-1.4	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.717	0.820	-14.4	100	0.00
62 TMP 1,2,3-Trichloropropane	0.549	0.758	-38.1#	100	0.00
63 TMP 2-Chlorotoluene	1.828	1.979	-8.3	100	0.00
64 TMP 4-Chlorotoluene	1.994	1.957	1.9	100	0.00
65 TMP tert-Butylbenzene	1.953	1.922	1.6	100	0.00
66 TMP 1,2,4-Trimethylbenzene	2.250	2.200	2.2	100	0.00
67 TMP sec-Butylbenzene	2.892	2.753	4.8	100	0.00
68 TMP p-Isopropyltoluene	2.502	2.332	6.8	100	0.00
69 TMP 1,3-Dichlorobenzene	1.434	1.568	-9.3	100	0.00
70 TMP 1,4-Dichlorobenzene	1.430	1.495	-4.5	100	0.00
71 TMP 1,2-Dichlorobenzene	1.428	1.529	-7.1	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	0.145	0.000#	100.0#	0#	-10.63#
73 TMP 1,2,4-Trichlorobenzene	1.063	1.041	2.1	100	0.00
74 TMP Hexachlorobutadiene	0.623	0.766	-23.0#	100	0.00
75 TMP Naphthalene	2.362	2.078	12.0	100	0.00
76 TMP 1,2,3-Trichlorobenzene	0.987	0.986	0.1	100	0.00

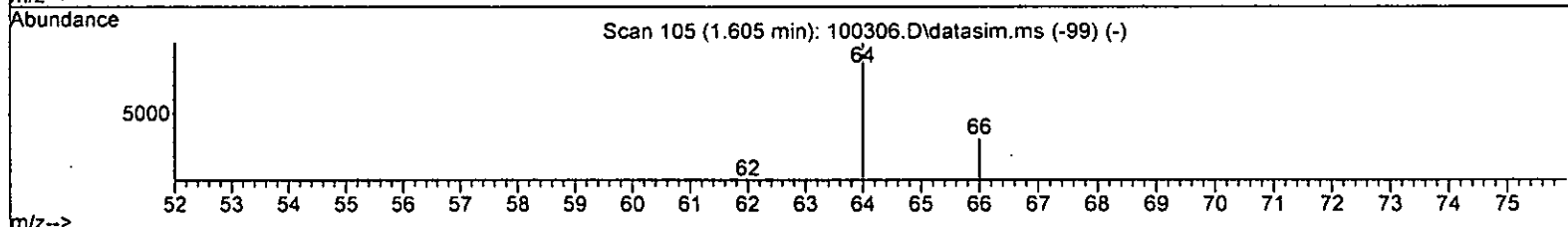
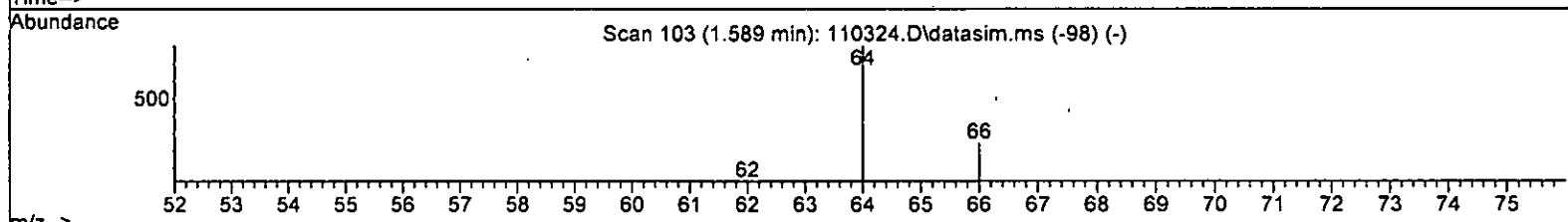
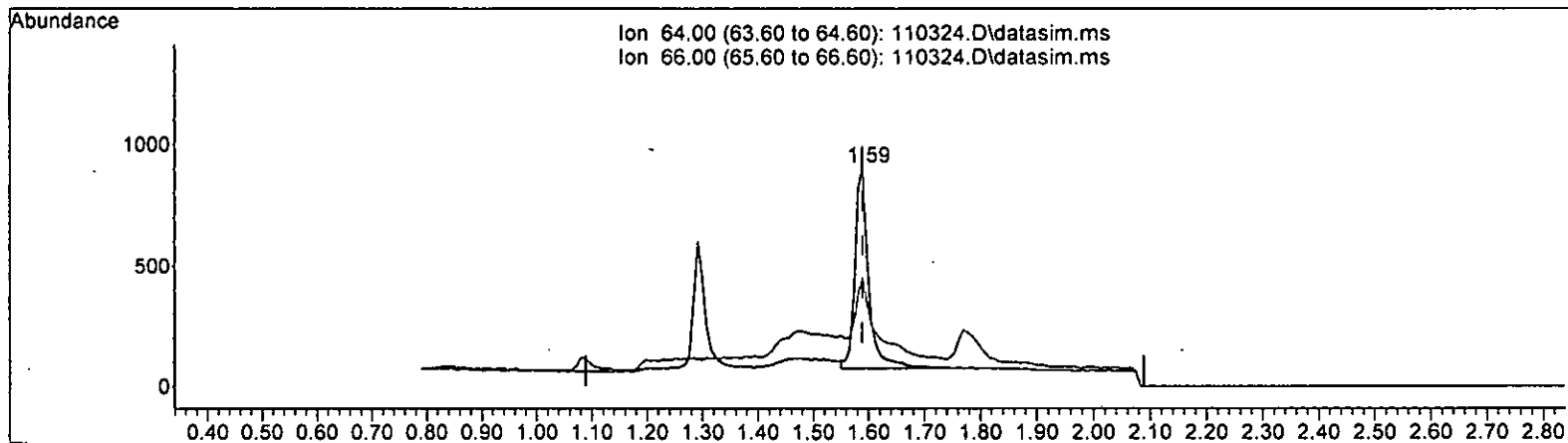
(#) = Out of Range

SPCC's out = 10 CCC's out = 0

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110324.D
 Acq On : 03 Nov 2022 03:39 pm
 Operator : LM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 14 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 13:09:33 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M



TIC: 110324.D\data.ms

(8) Chloroethane (TMP)

1.589min (+ 0.000) 0.598 ppb

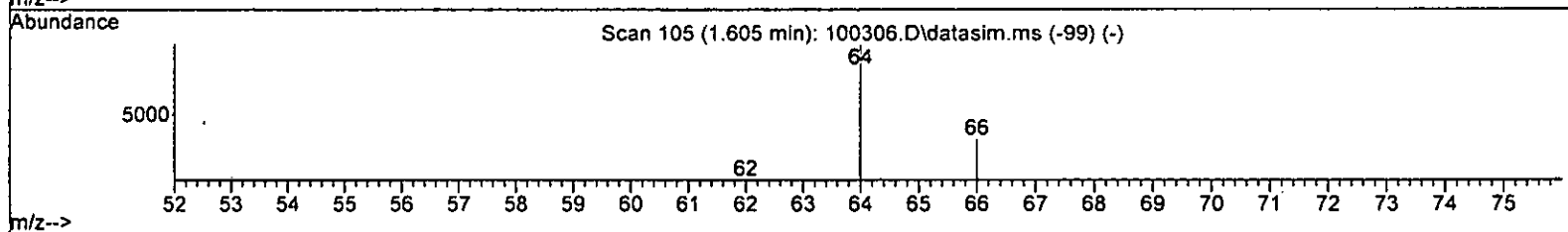
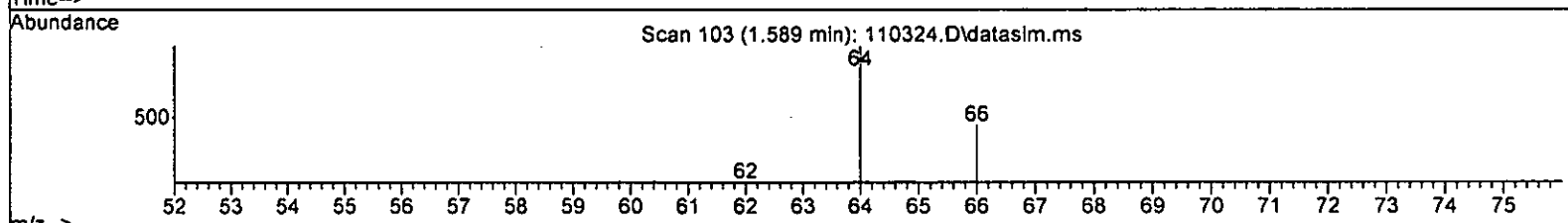
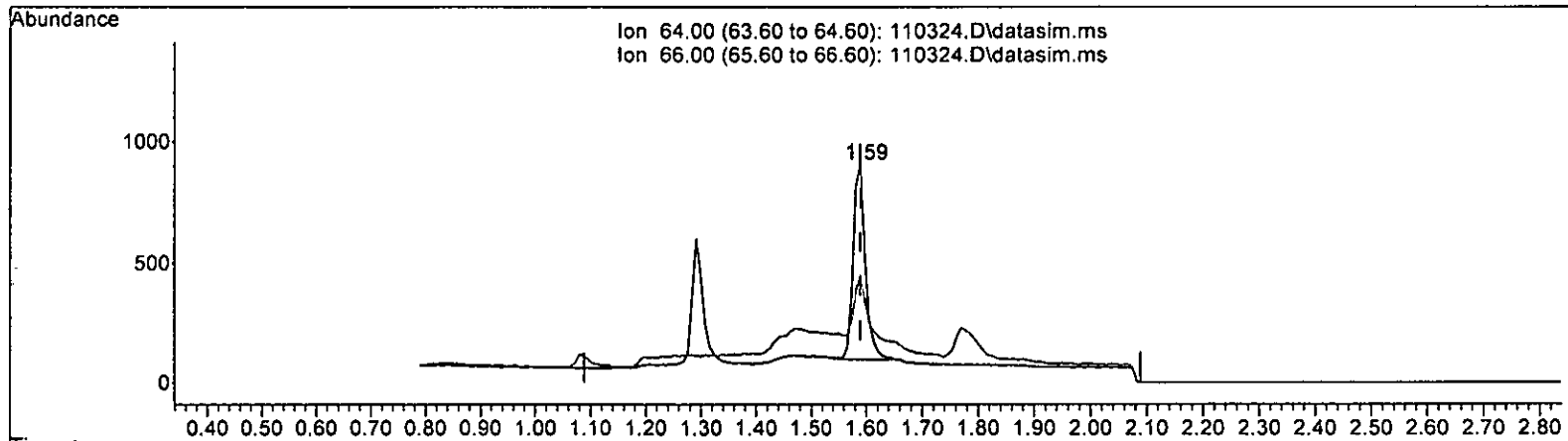
response 1413

Ion	Exp%	Act%
64.00	100.00	100.00
66.00	32.40	37.33
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110324.D
 Acq On : 03 Nov 2022 03:39 pm
 Operator : LM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 14 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 13:09:33 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M



TIC: 110324.D\data.ms

(8) Chloroethane (TMP)

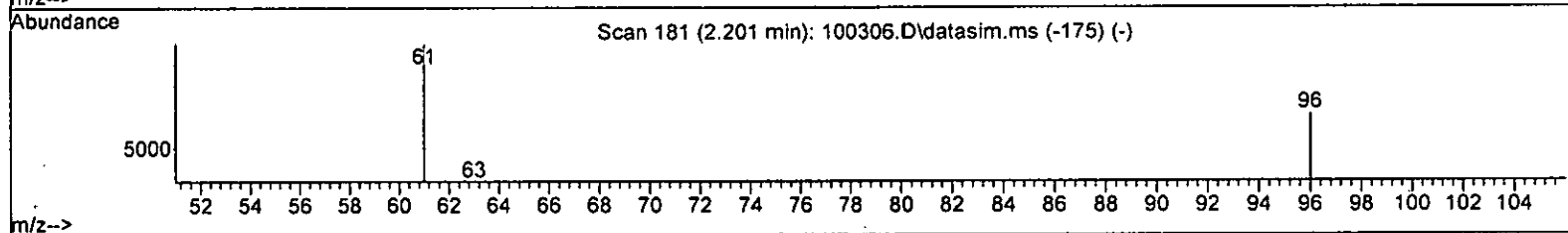
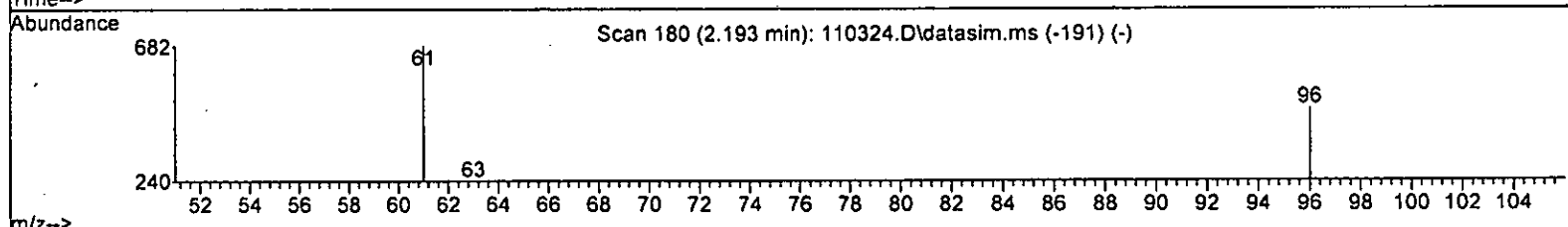
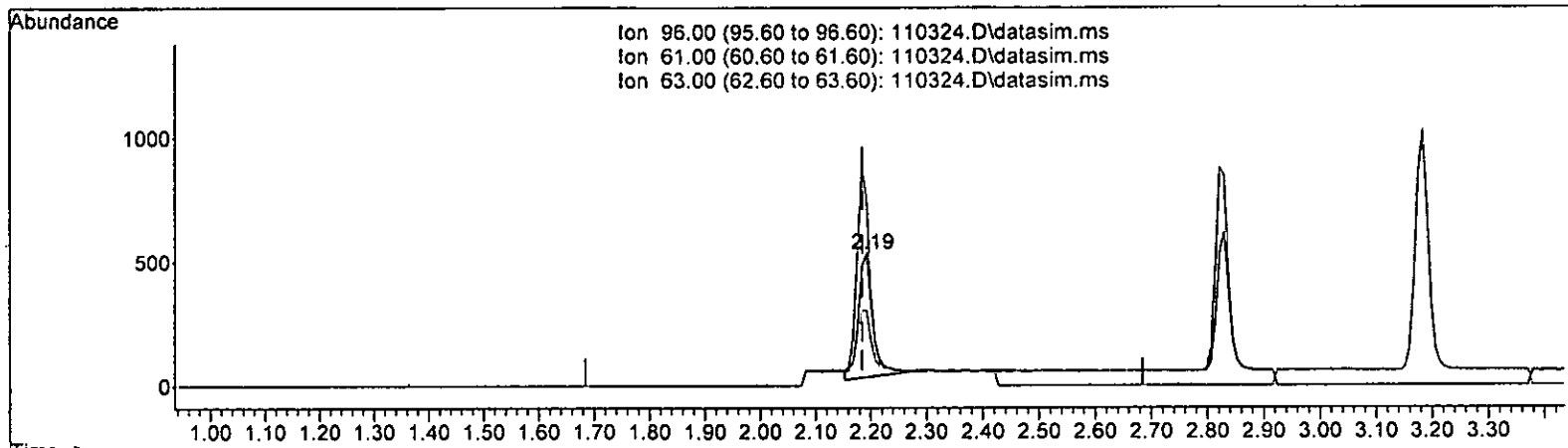
1.589min (+ 0.000) 0.525 ppb m

response	1240	
Ion	Exp%	Act%
64.00	100.00	100.00
66.00	32.40	49.45
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110324.D
 Acq On : 03 Nov 2022 03:39 pm
 Operator : LM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 14 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 13:09:33 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M



TIC: 110324.D\data.ms

(12) 1,1-Dichloroethene (TMP)

2.193min (+ 0.008) 0.599 ppb

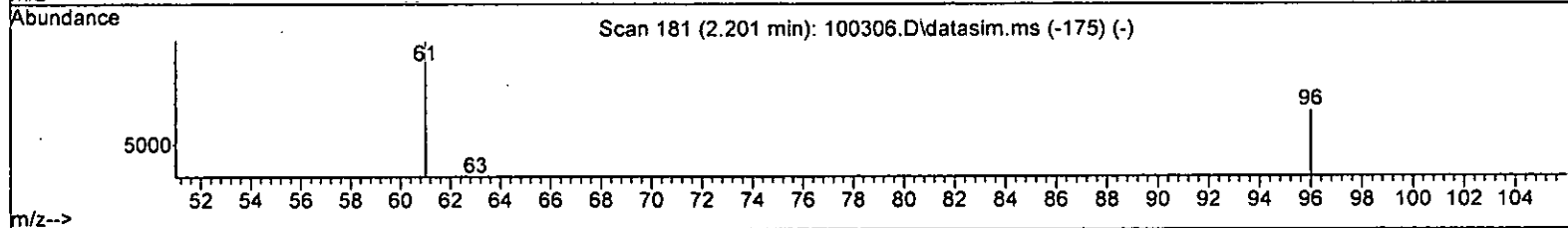
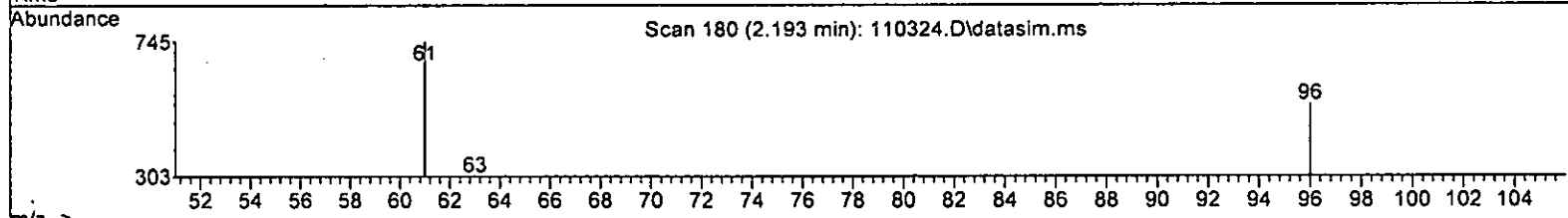
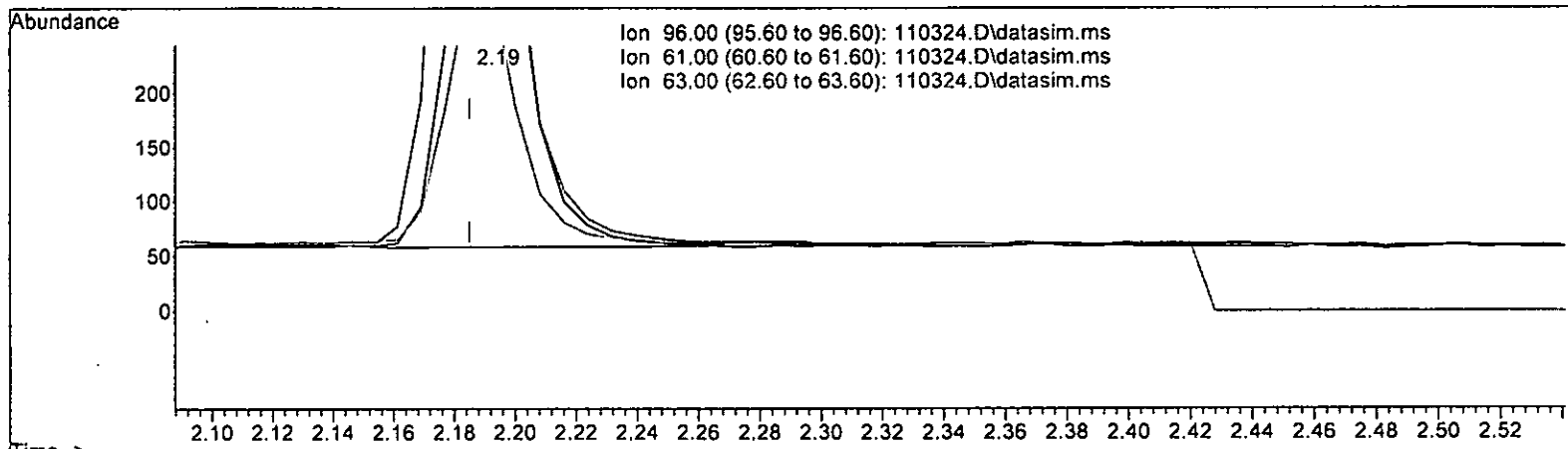
response 882

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	155.80	144.12
63.00	52.50	50.42
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110324.D
 Acq On : 03 Nov 2022 03:39 pm
 Operator : LM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 14 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 13:09:33 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M



TIC: 110324.D\data.ms

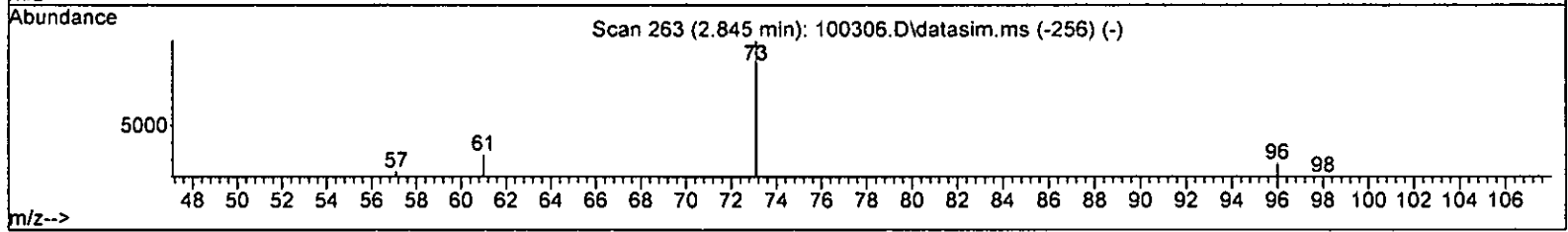
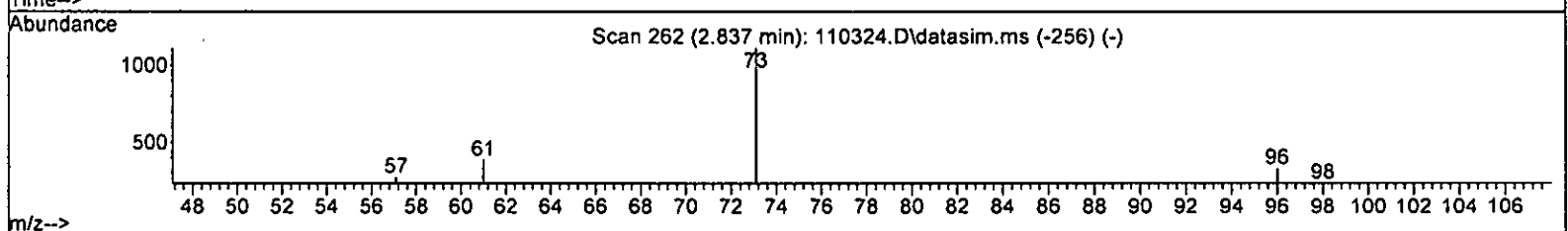
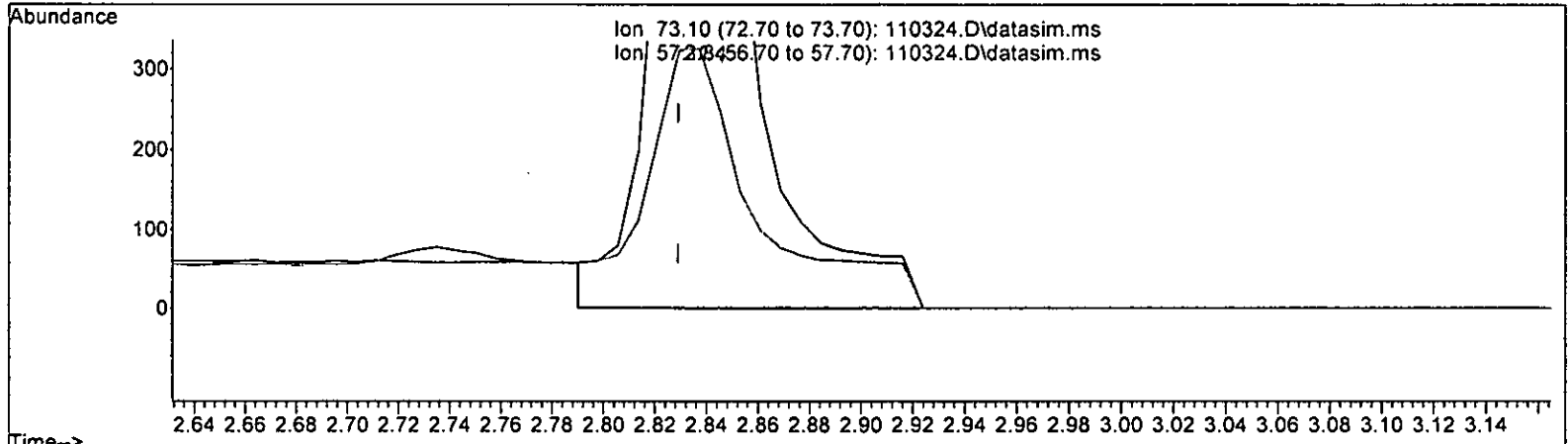
(12) 1,1-Dichloroethene (TMP)
 2.193min (+ 0.008) 0.512 ppb m
 response 754

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	155.80	139.44
63.00	52.50	56.64
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110324.D
 Acq On : 03 Nov 2022 03:39 pm
 Operator : LM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 14 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 13:09:33 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M



TIC: 110324.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

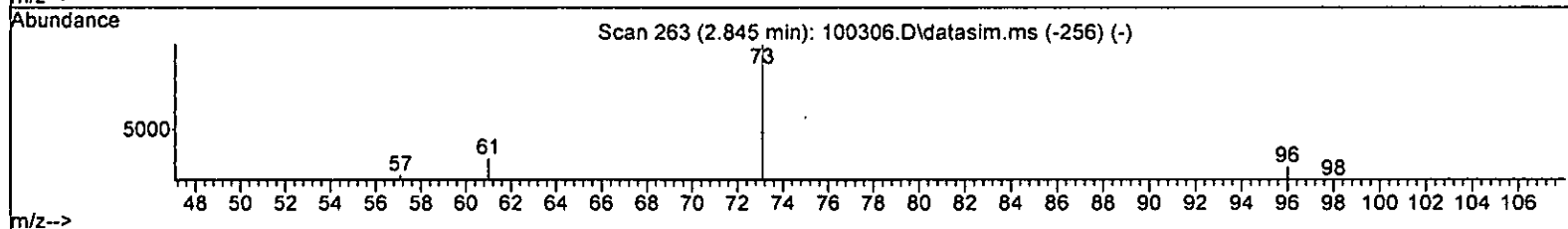
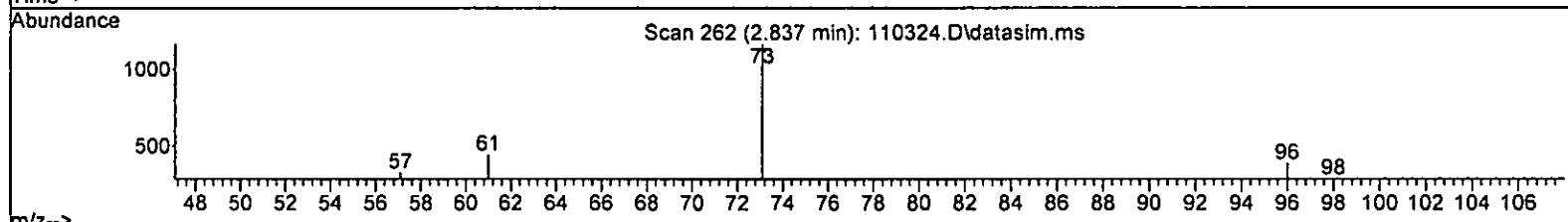
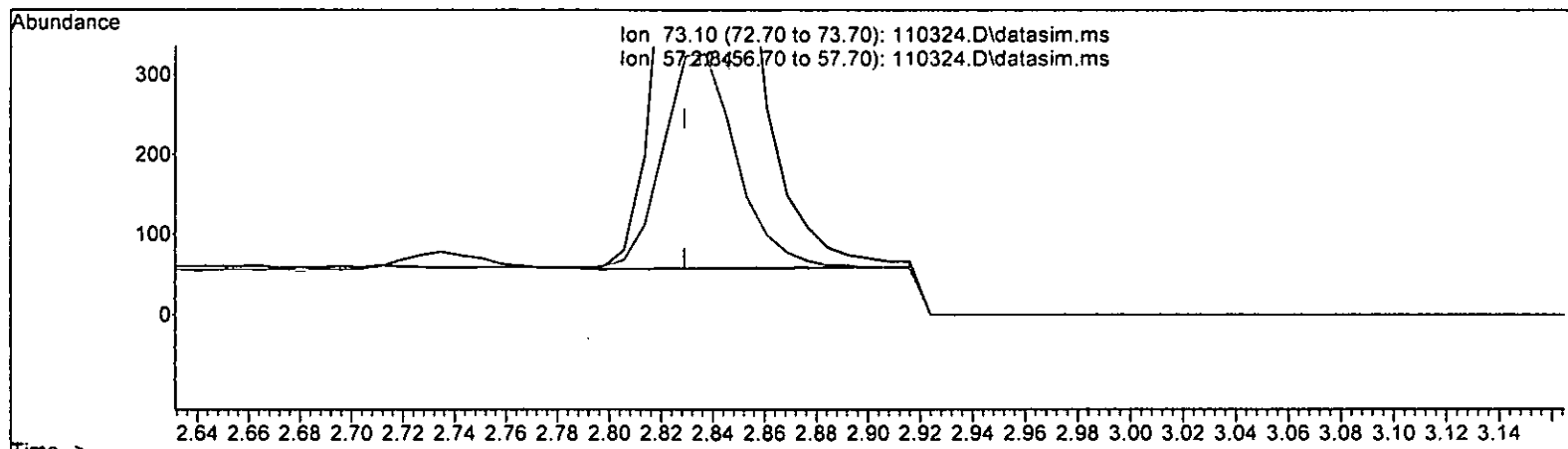
2.837min (+ 0.008) 0.638 ppb

response	2502
Ion	Exp% Act%
73.10	100.00 100.00
57.10	23.10 27.85
0.00	0.00 0.00
0.00	0.00 0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110324.D
 Acq On : 03 Nov 2022 03:39 pm
 Operator : LM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 14 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 13:09:33 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M



TIC: 110324.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

2.837min (+ 0.008) 0.527 ppb m

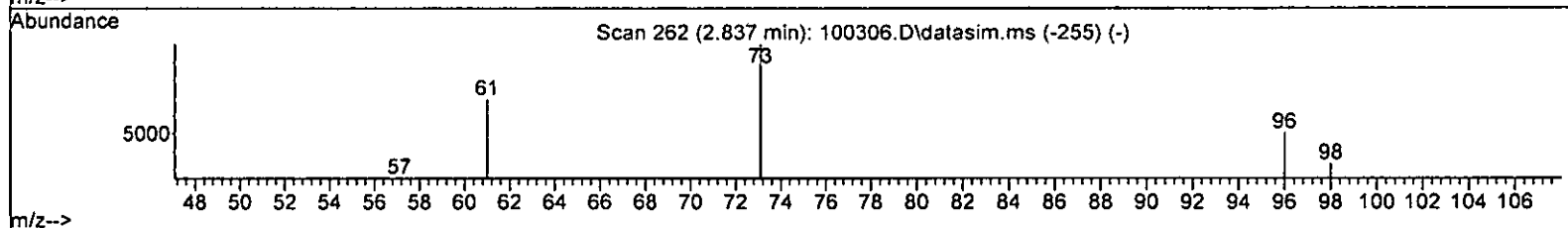
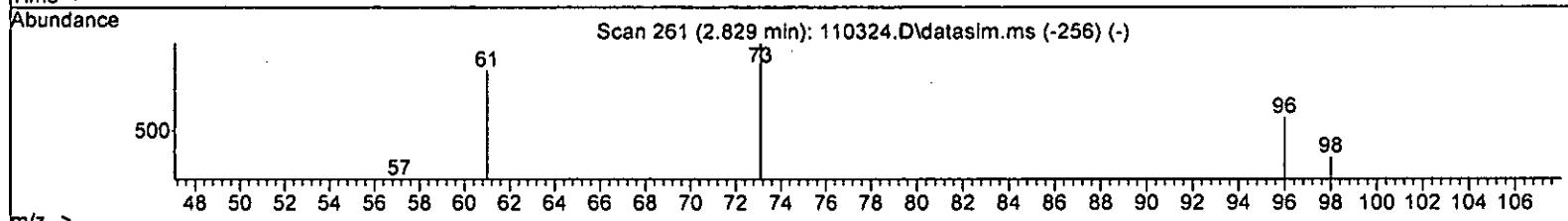
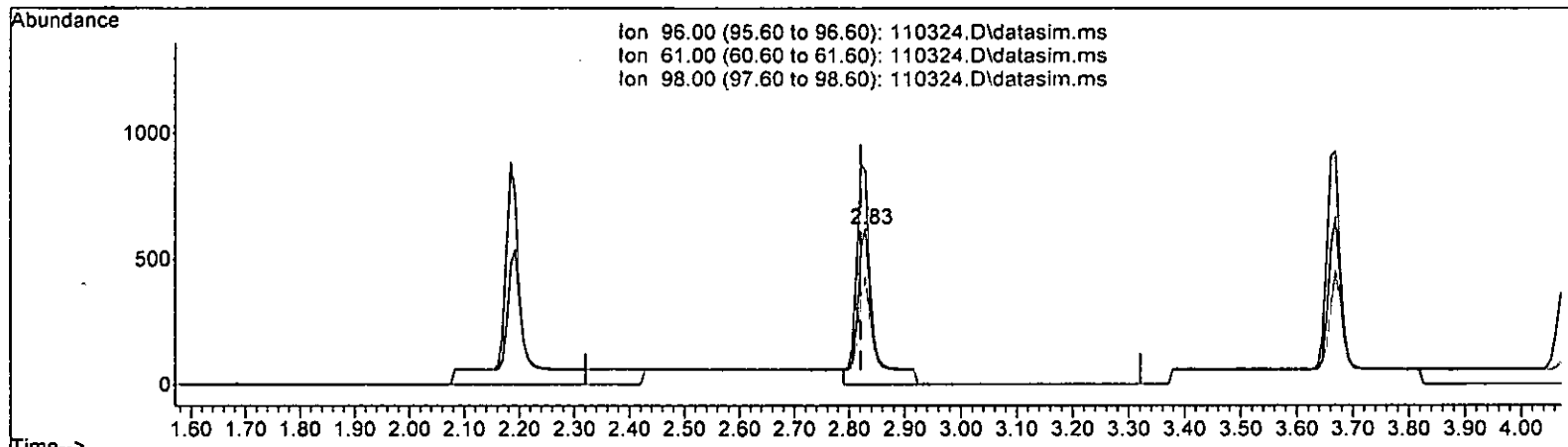
response 2068

Ion	Exp%	Act%
73.10	100.00	100.00
57.10	23.10	27.85
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110324.D
 Acq On : 03 Nov 2022 03:39 pm
 Operator : LM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 14 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 13:09:33 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M



TIC: 110324.D\data.ms

(17) trans-1,2-Dichloroethene (TMP)

2.829min (+ 0.008) 0.775 ppb

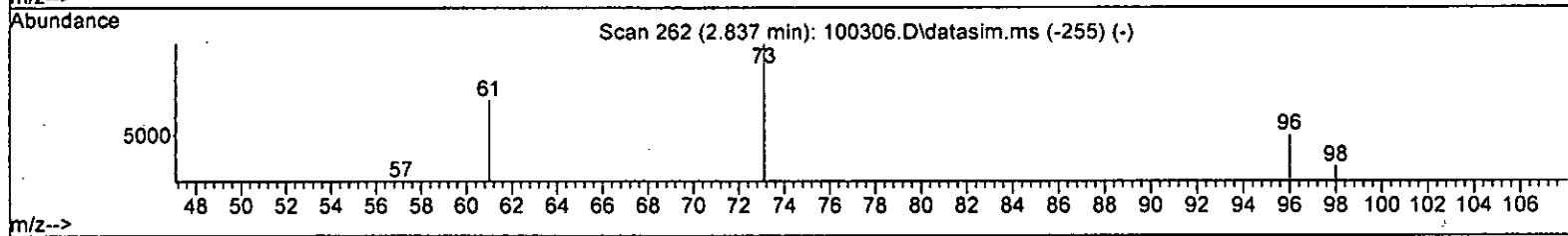
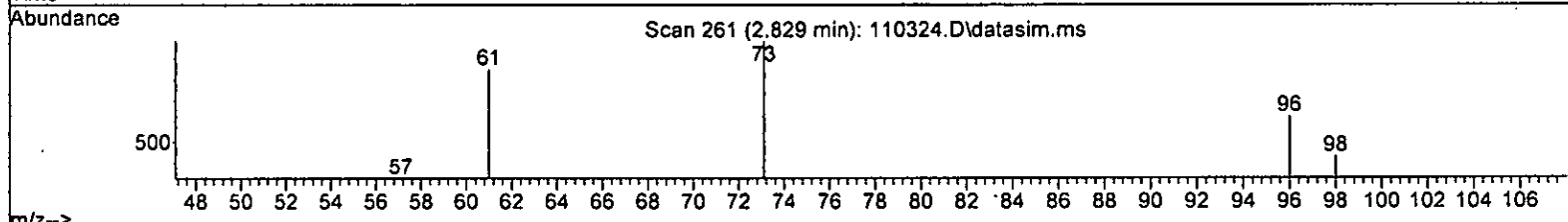
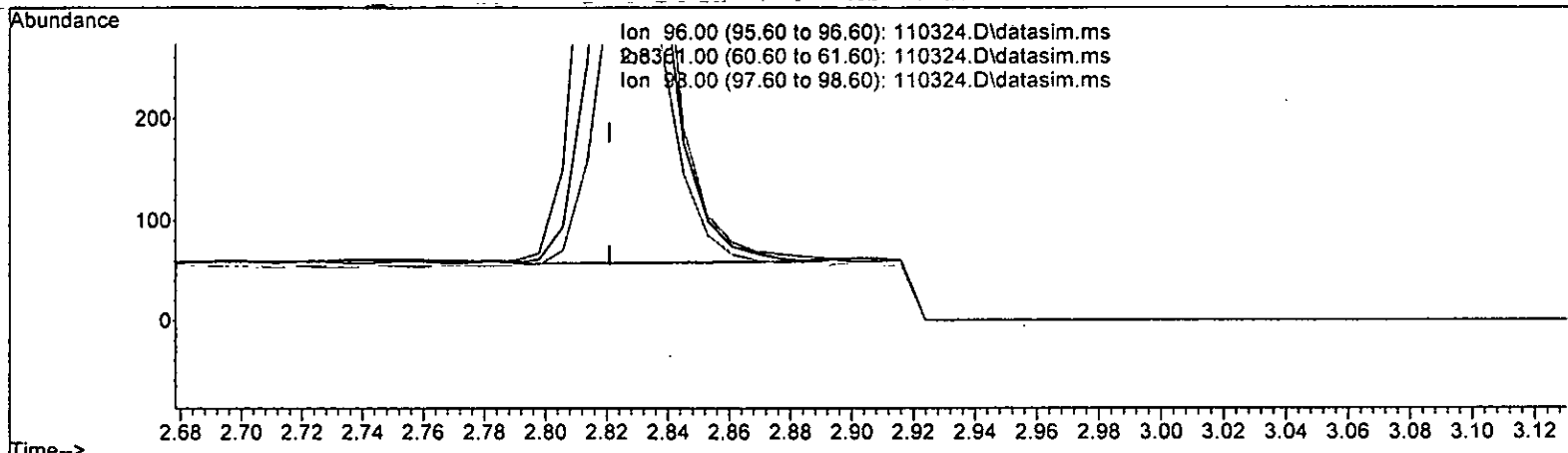
response 1290

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	138.60	136.94
98.00	66.00	68.71
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110324.D
 Acq On : 03 Nov 2022 03:39 pm
 Operator : LM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 14 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 13:09:33 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M



TIC: 110324.D\data.ms

(17) trans-1,2-Dichloroethene (TMP)

2.829min (+ 0.008) 0.511 ppb m

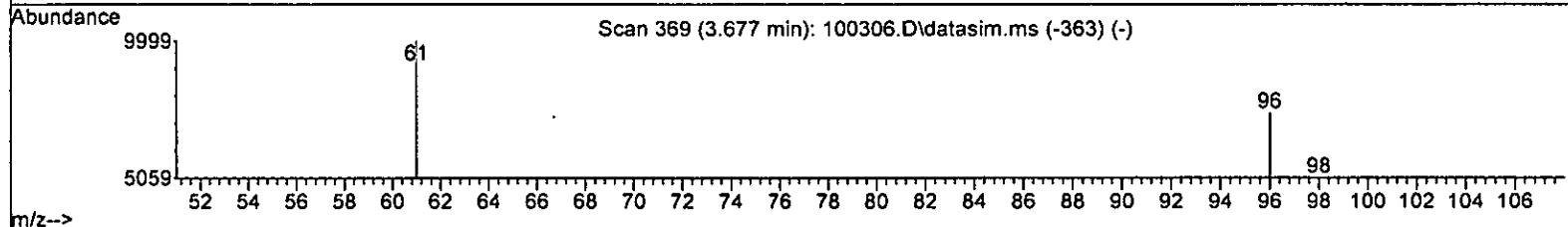
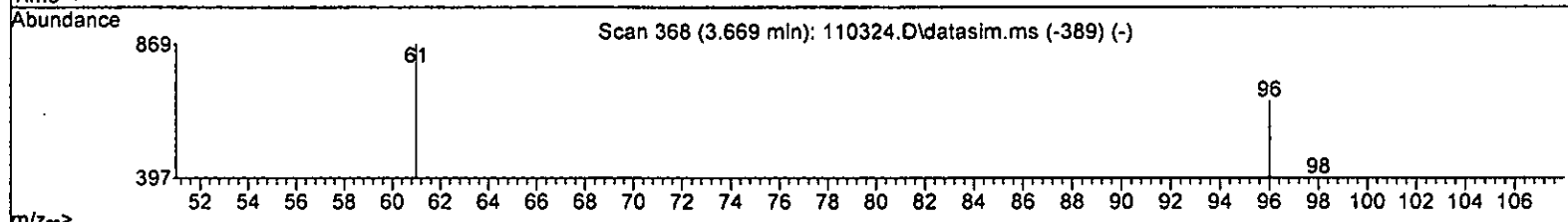
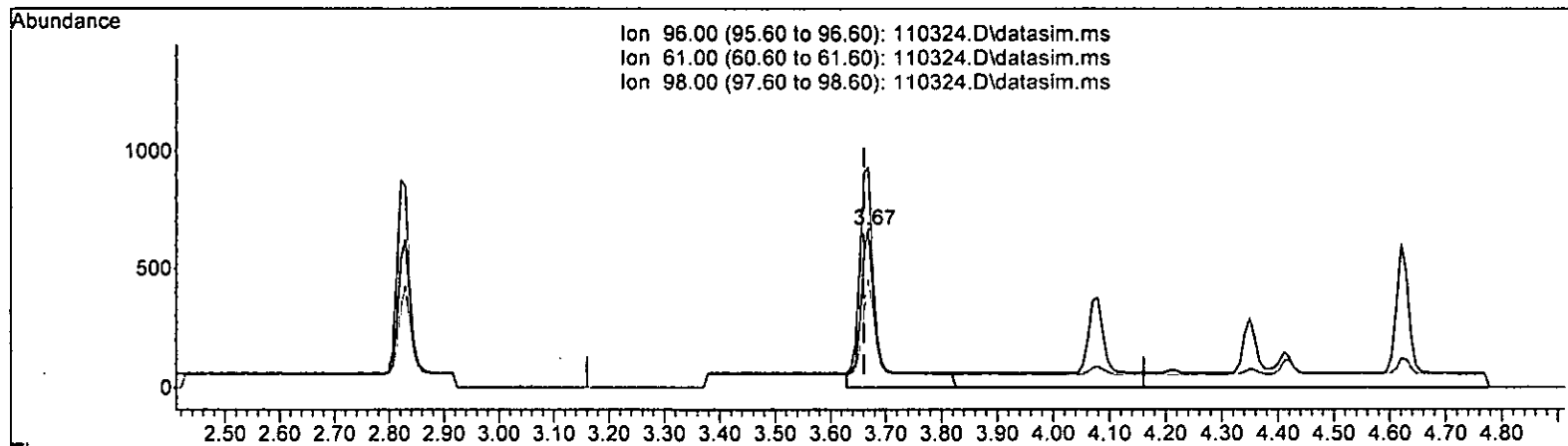
response 850

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	138.60	136.94
98.00	66.00	68.71
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110324.D
 Acq On : 03 Nov 2022 03:39 pm
 Operator : LM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 14 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 13:09:33 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M



TIC: 110324.D\data.ms

(22) cis-1,2-Dichloroethene (TMP)

3.669min (+ 0.008) 0.889 ppb

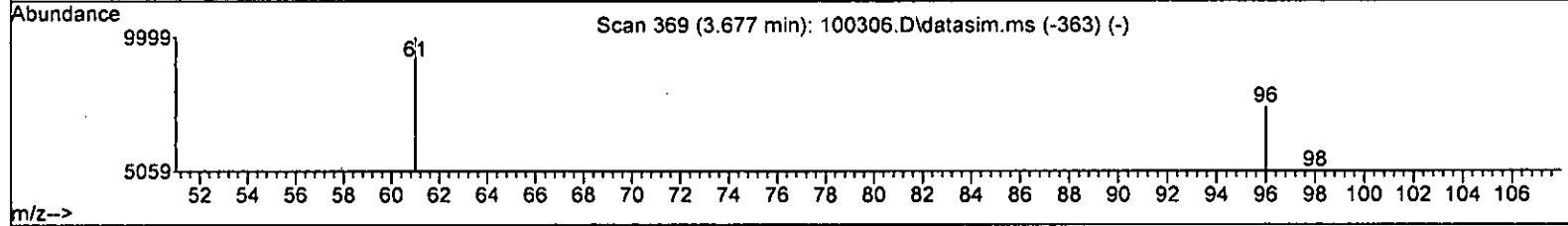
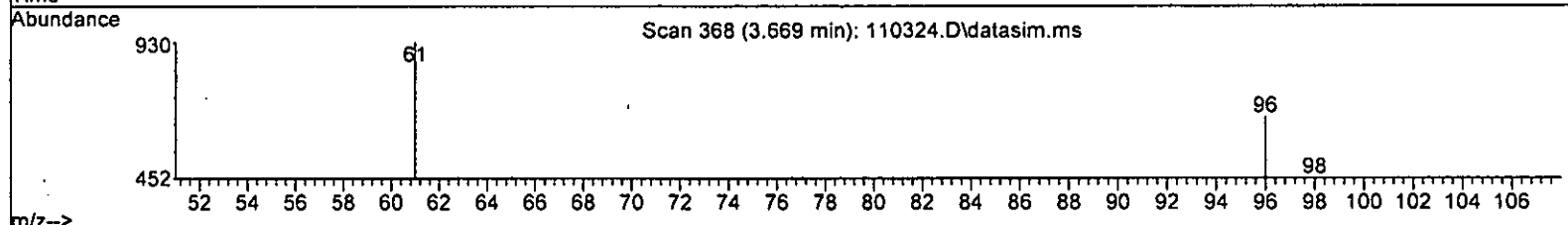
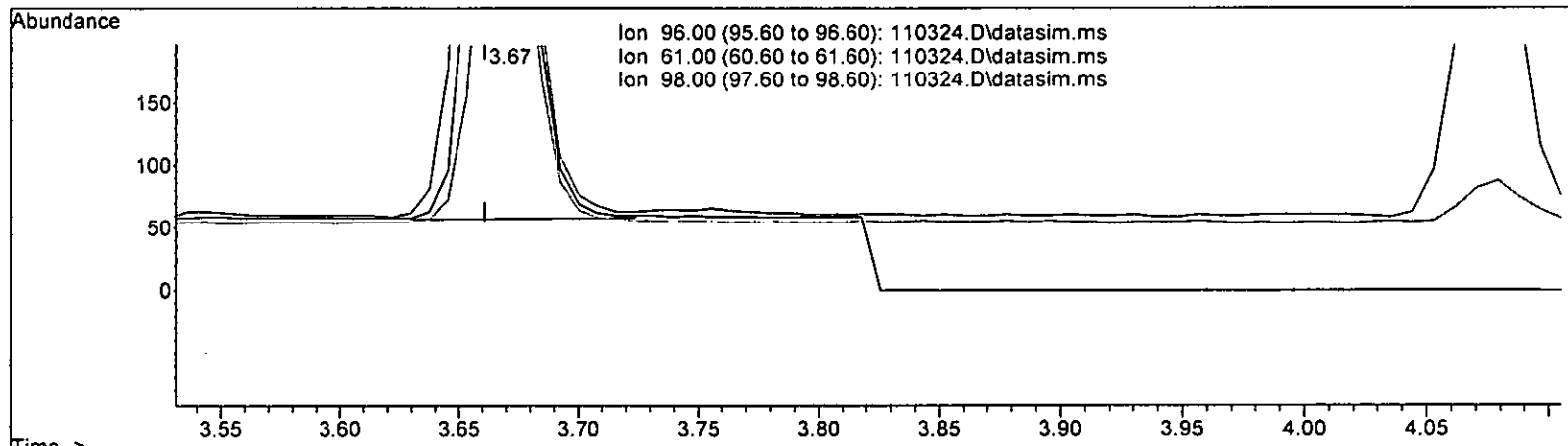
response 1576

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	137.30	130.63
98.00	66.70	59.61
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110324.D
 Acq On : 03 Nov 2022 03:39 pm
 Operator : LM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 14 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 13:09:33 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M



TIC: 110324.D\data.ms

(22) cis-1,2-Dichloroethene (TMP)

3.669min (+ 0.008) 0.513 ppb m

response 910

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	137.30	139.79
98.00	66.70	67.87
0.00	0.00	0.00

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110324.D
 Acq On : 03 Nov 2022 03:39 pm
 Operator : LM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 14 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 13:09:33 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	4.63	96	56175	10.000	ppb	0.00
39) Chlorobenzene-d5	7.27	117	38800	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	23992	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.08	113	16744	10.526	ppb	0.00
Spiked Amount	10.000	Range 50 - 150	Recovery	=	105.30%	
30) 1,2-Dichloroethane-d4	4.36	102	3606	10.188	ppb	0.00
Spiked Amount	10.000	Range 79 - 128	Recovery	=	101.90%	
35) Toluene-d8	5.98	98	47195	9.464	ppb	0.00
Spiked Amount	10.000	Range 84 - 121	Recovery	=	94.60%	
57) 4-Bromofluorobenzene	8.38	95	17516	9.763	ppb	0.00
Spiked Amount	10.000	Range 84 - 116	Recovery	=	97.60%	
Target Compounds						
						Qvalue
2) Ethanol	0.00		0	N.D.		
4) Dichlorodifluoromethane	1.08	85	1920	0.443	ppb	91
5) Chloromethane	1.22	50	2835	0.539	ppb	93
6] Vinyl chloride	1.29	62	2423	0.515	ppb	99
7) Bromomethane	0.00		0	N.D.	d	
8] Chloroethane	1.59	64	1240m	0.525	ppb	
9) Trichlorofluoromethane	1.77	101	2640	0.516	ppb	87
10) 2-Propanol	0.00		0	N.D.		
11) Acetone	2.26	58	692	2.675	ppb	93
12] 1,1-Dichloroethene	2.19	96	754m	0.512	ppb	
13) Hexane	3.05	57	1106	0.483	ppb	94
14) Methylene chloride	0.00		0	N.D.	d	
15) t-Butyl alcohol (TBA)	2.74	59	464	2.436	ppb	44
16] Methyl t-butyl ether (...)	2.84	73	2068m	0.527	ppb	
17] trans-1,2-Dichloroethene	2.83	96	850m	0.511	ppb	
18) Diisopropyl ether (DIPE)	3.24	45	2513	0.519	ppb	96
19] 1,1-Dichloroethane	3.18	63	1551	0.524	ppb	99
20) Ethyl t-butyl ether (E...)	3.55	87	688	0.422	ppb	# 69
21) 2,2-Dichloropropane	3.66	77	1168	0.583	ppb	88
22] cis-1,2-Dichloroethene	3.67	96	910m	0.513	ppb	
23) Chloroform	3.94	83	1752	0.628	ppb	90
24) 2-Butanone (MEK)	3.71	43	2453	2.563	ppb	83
25) t-Amyl methyl ether (T...)	4.49	73	1914	0.507	ppb	91
26] 1,2-Dichloroethane (EDC)	4.41	62	1087	0.516	ppb	98
27] 1,1,1-Trichloroethane	4.08	97	1245	0.518	ppb	98
28) 1,1-Dichloropropene	4.22	75	941	0.483	ppb	83
29) Carbon tetrachloride	4.21	117	1036	0.496	ppb	83
31] Benzene	4.38	78	2922	0.492	ppb	95
32] Trichloroethene	4.93	95	812	0.465	ppb	94
33] 1,2-Dichloropropane	5.12	63	746	0.499	ppb	# 89
34) Bromodichloromethane	5.37	83	932	0.520	ppb	85
36) Dibromomethane	5.23	93	469	0.515	ppb	# 71

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110324.D
 Acq On : 03 Nov 2022 03:39 pm
 Operator : LM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 14 Sample Multiplier: 1
 InstName : GCMS11

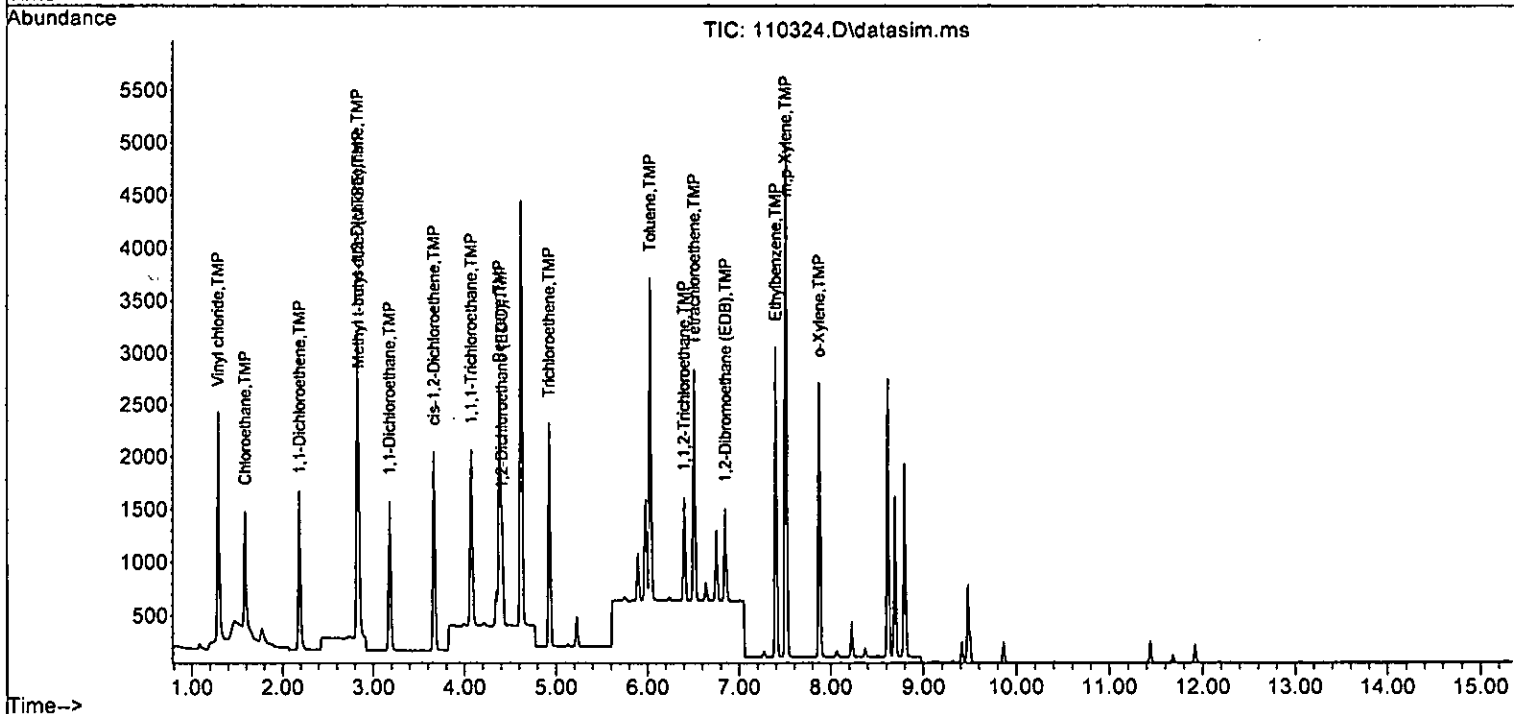
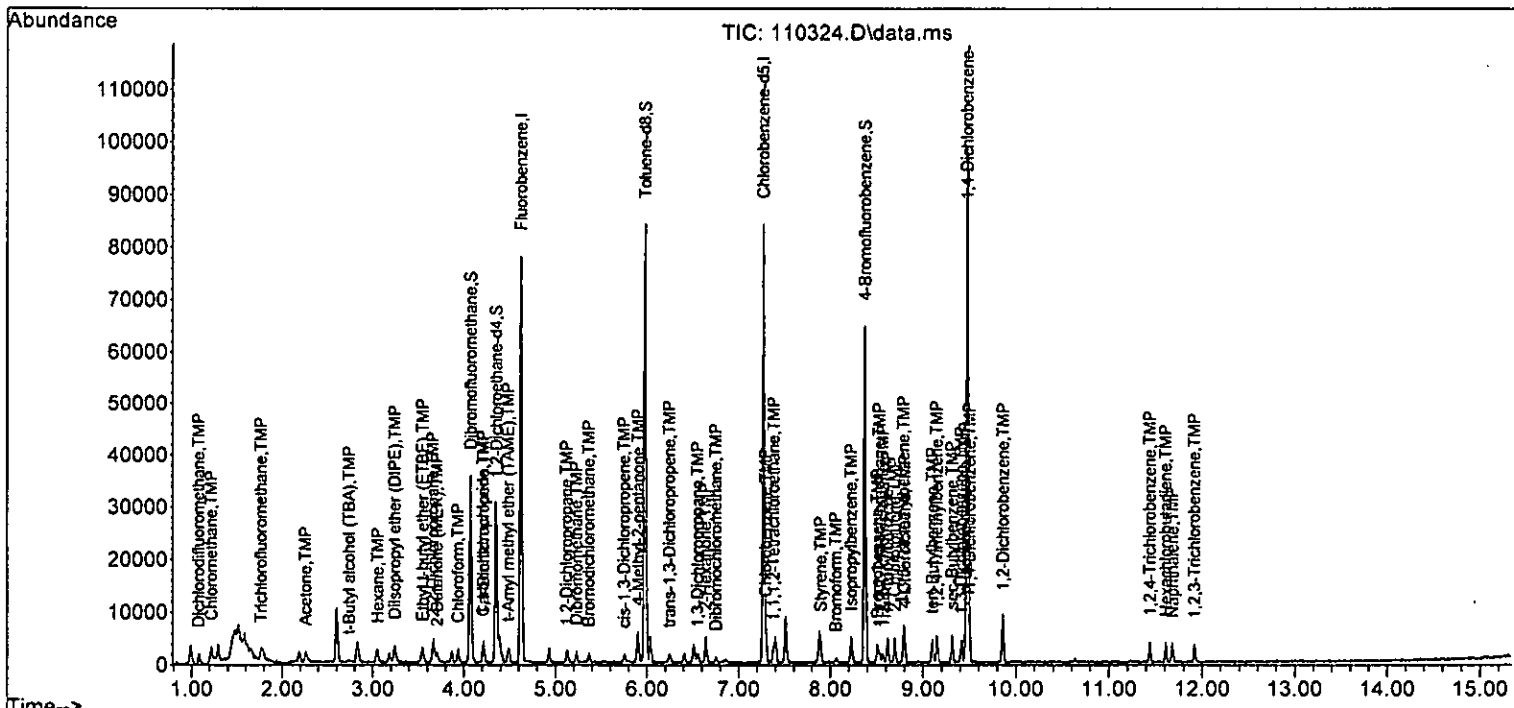
Quant Time: Nov 07 13:09:33 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	5.91	85	631	2.479	ppb	92
38) cis-1,3-Dichloropropene	5.75	75	978	0.479	ppb	93
40] Toluene	6.03	92	1653	0.490	ppb	93
41) trans-1,3-Dichloropropene	6.25	75	751	0.477	ppb	96
42] 1,1,2-Trichloroethane	6.40	83	489	0.504	ppb	93
43) 2-Hexanone	6.64	43	2658	2.556	ppb	91
44) 1,3-Dichloropropane	6.55	76	898	0.538	ppb	78
45] Tetrachloroethene	6.51	164	756	0.509	ppb	96
46) Dibromochloromethane	6.75	129	628	0.470	ppb	100
47] 1,2-Dibromoethane (EDB)	6.85	107	594	0.483	ppb	96
48) Chlorobenzene	7.29	112	1727	0.483	ppb	92
49] Ethylbenzene	7.40	91	3018	0.485	ppb	92
50] 1,1,1,2-Tetrachloroethane	7.38	131	722	0.523	ppb	91
51] m,p-Xylene	7.51	106	2331	0.959	ppb	84
52] o-Xylene	7.88	106	1178	0.488	ppb	83
53) Styrene	7.90	104	1686	0.479	ppb	95
54) Isopropylbenzene	8.23	105	2912	0.481	ppb	97
55) Bromoform	8.06	173	502	0.502	ppb	93
58) n-Propylbenzene	8.62	91	3547	0.488	ppb	85
59) Bromobenzene	8.51	156	978	0.551	ppb	83
60] 1,3,5-Trimethylbenzene	8.79	105	2374	0.445	ppb	95
61) 1,1,2,2-Tetrachloroethane	8.53	83	886	0.515	ppb	74
62) 1,2,3-Trichloropropane	8.57	75	691	0.524	ppb	89
63) 2-Chlorotoluene	8.70	91	2244	0.512	ppb	84
64) 4-Chlorotoluene	8.81	91	2201	0.460	ppb	92
65) tert-Butylbenzene	9.10	119	1971	0.421	ppb	96
66) 1,2,4-Trimethylbenzene	9.15	105	2560	0.474	ppb	96
67) sec-Butylbenzene	9.31	105	2992	0.431	ppb	91
68) p-Isopropyltoluene	9.46	119	2698	0.449	ppb	91
69) 1,3-Dichlorobenzene	9.41	146	1759	0.511	ppb	77
70] 1,4-Dichlorobenzene	9.50	146	1649	0.481	ppb	95
71) 1,2-Dichlorobenzene	9.86	146	1840	0.537	ppb	92
72) 1,2-Dibromo-3-chloropr...	0.00		0	N.D.	d	
73) 1,2,4-Trichlorobenzene	11.44	180	1245	0.488	ppb	87
74) Hexachlorobutadiene	11.61	225	822	0.550	ppb	71
75) Naphthalene	11.68	128	2770	0.489	ppb	95
76) 1,2,3-Trichlorobenzene	11.92	180	1118	0.472	ppb	83

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110324.D
 Acq On : 03 Nov 2022 03:39 pm
 Operator : LM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 14 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 13:09:33 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M



Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110324.D
 Acq On : 03 Nov 2022 03:39 pm
 Operator : LM
 Sample : 0.5 ppb 8260 ICAL 67-1773
 Misc : soil/water
 ALS Vial : 14 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 13:09:33 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2 TMP	Ethanol	-1.000	0.000	0.0	0	-1.86#
3 S	Dibromofluoromethane	10.000	10.526	-5.3	100	0.00
4 TMP	Dichlorodifluoromethane	0.500	0.443	11.4	100	0.00
5 TMP	Chloromethane	0.500	0.539	-7.8	100	0.00
6 TMP	Vinyl chloride	0.500	0.515	-3.0	100	0.00
7 TMP	Bromomethane	-1.000	0.000	0.0	0	-1.52#
8 TMP	Chloroethane	0.500	0.525	-5.0	101	0.00
9 TMP	Trichlorofluoromethane	0.500	0.516	-3.2	100	0.00
10 TMP	2-Propanol	-1.000	0.000	0.0	0	-2.43#
11 TMP	Acetone	2.500	2.675	-7.0	100	0.00
12 TMP	1,1-Dichloroethene	0.500	0.512	-2.4	101	0.00
13 TMP	Hexane	0.500	0.483	3.4	100	0.00
14 TMP	Methylene chloride	-1.000	0.000	0.0	0	-2.60#
15 TMP	t-Butyl alcohol (TBA)	2.500	2.436	2.6	100	0.02
16 TMP	Methyl t-butyl ether (MTBE)	0.500	0.527	-5.4	98	0.00
17 TMP	trans-1,2-Dichloroethene	0.500	0.511	-2.2	97	0.00
18 TMP	Diisopropyl ether (DIPE)	0.500	0.519	-3.8	100	0.00
19 TMP	1,1-Dichloroethane	0.500	0.524	-4.8	100	0.00
20 TMP	Ethyl t-butyl ether (ETBE)	0.500	0.422	15.6	100	0.00
21 TMP	2,2-Dichloropropane	0.500	0.583	-16.6	100	0.00
22 TMP	cis-1,2-Dichloroethene	0.500	0.513	-2.6	100	0.00
23 TMP	Chloroform	0.500	0.628	-25.6#	100	0.00
24 TMP	2-Butanone (MEK)	2.500	2.563	-2.5	100	0.00
25 TMP	t-Amyl methyl ether (TAME)	0.500	0.507	-1.4	100	0.00
26 TMP	1,2-Dichloroethane (EDC)	0.500	0.516	-3.2	100	0.00
27 TMP	1,1,1-Trichloroethane	0.500	0.518	-3.6	100	0.00
28 TMP	1,1-Dichloropropene	0.500	0.483	3.4	100	0.00
29 TMP	Carbon tetrachloride	0.500	0.496	0.8	100	0.00
30 S	1,2-Dichloroethane-d4	10.000	10.188	-1.9	100	0.00
31 TMP	Benzene	0.500	0.492	1.6	100	0.00
32 TMP	Trichloroethene	0.500	0.465	7.0	100	0.00
33 TMP	1,2-Dichloropropane	0.500	0.499	0.2	100	0.00
34 TMP	Bromodichloromethane	0.500	0.520	-4.0	100	0.00
35 S	Toluene-d8	10.000	9.464	5.4	100	0.00
36 TMP	Dibromomethane	0.500	0.515	-3.0	100	0.00
37 TMP	4-Methyl-2-pentanone	2.500	2.479	0.8	100	0.00
38 TMP	cis-1,3-Dichloropropene	0.500	0.479	4.2	100	0.00
39 I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40 TMP	Toluene	0.500	0.490	2.0	100	0.00
41 TMP	trans-1,3-Dichloropropene	0.500	0.477	4.6	100	0.00
42 TMP	1,1,2-Trichloroethane	0.500	0.504	-0.8	100	0.00
43 TMP	2-Hexanone	2.500	2.556	-2.2	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110324.D
 Acq On : 03 Nov 2022 03:39 pm
 Operator : LM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 14 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 13:09:33 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.500	0.538	-7.6	100	0.00
45 TMP Tetrachloroethene	0.500	0.509	-1.8	100	0.00
46 TMP Dibromochloromethane	0.500	0.470	6.0	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	0.500	0.483	3.4	100	0.00
48 TMP Chlorobenzene	0.500	0.483	3.4	100	0.00
49 TMP Ethylbenzene	0.500	0.485	3.0	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.500	0.523	-4.6	100	0.00
51 TMP m,p-Xylene	1.000	0.959	4.1	100	0.00
52 TMP o-Xylene	0.500	0.488	2.4	100	0.00
53 TMP Styrene	0.500	0.479	4.2	100	0.00
54 TMP Isopropylbenzene	0.500	0.481	3.8	100	0.00
55 TMP Bromoform	0.500	0.502	-0.4	100	0.00
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	10.000	9.763	2.4	100	0.00
58 TMP n-Propylbenzene	0.500	0.488	2.4	100	0.00
59 TMP Bromobenzene	0.500	0.551	-10.2	100	0.00
60 TMP 1,3,5-Trimethylbenzene	0.500	0.445	11.0	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.500	0.515	-3.0	100	0.00
62 TMP 1,2,3-Trichloropropane	0.500	0.524	-4.8	100	0.00
63 TMP 2-Chlorotoluene	0.500	0.512	-2.4	100	0.00
64 TMP 4-Chlorotoluene	0.500	0.460	8.0	100	0.00
65 TMP tert-Butylbenzene	0.500	0.421	15.8	100	0.00
66 TMP 1,2,4-Trimethylbenzene	0.500	0.474	5.2	100	0.00
67 TMP sec-Butylbenzene	0.500	0.431	13.8	100	0.00
68 TMP p-Isopropyltoluene	0.500	0.449	10.2	100	0.00
69 TMP 1,3-Dichlorobenzene	0.500	0.511	-2.2	100	0.00
70 TMP 1,4-Dichlorobenzene	0.500	0.481	3.8	100	0.00
71 TMP 1,2-Dichlorobenzene	0.500	0.537	-7.4	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	-1.000	0.000	0.0	0	-10.63#
73 TMP 1,2,4-Trichlorobenzene	0.500	0.488	2.4	100	0.00
74 TMP Hexachlorobutadiene	0.500	0.550	-10.0	100	0.00
75 TMP Naphthalene	0.500	0.489	2.2	100	0.00
76 TMP 1,2,3-Trichlorobenzene	0.500	0.472	5.6	100	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110324.D
 Acq On : 03 Nov 2022 03:39 pm
 Operator : LM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 14 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 13:09:33 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2 TMP	Ethanol	0.000	0.000#	0.0	0#	-1.86#
3 S	Dibromofluoromethane	0.283	0.298	-5.3	100	0.00
4 TMP	Dichlorodifluoromethane	0.771	0.684	11.3	100	0.00
5 TMP	Chloromethane	0.937	1.009	-7.7	100	0.00
6 TMP	Vinyl chloride	0.838	0.863	-3.0	100	0.00
7 TMP	Bromomethane	0.490	0.000#	100.0#	0#	-1.52#
8 TMP	Chloroethane	0.420	0.441	-5.0	101	0.00
9 TMP	Trichlorofluoromethane	0.910	0.940	-3.3	100	0.00
10 TMP	2-Propanol	0.000	0.000	0.0	0#	-2.43#
11 TMP	Acetone	0.046	0.049	-6.5	100	0.00
12 TMP	1,1-Dichloroethene	0.262	0.268	-2.3	101	0.00
13 TMP	Hexane	0.408	0.394	3.4	100	0.00
14 TMP	Methylene chloride	0.307	0.000#	100.0#	0#	-2.60#
15 TMP	t-Butyl alcohol (TBA)	0.034	0.033	2.9	100	0.02
16 TMP	Methyl t-butyl ether (MTBE)	0.698	0.736	-5.4	98	0.00
17 TMP	trans-1,2-Dichloroethene	0.296	0.303	-2.4	97	0.00
18 TMP	Diisopropyl ether (DIPE)	0.862	0.895	-3.8	100	0.00
19 TMP	1,1-Dichloroethane	0.527	0.552	-4.7	100	0.00
20 TMP	Ethyl t-butyl ether (ETBE)	0.290	0.245	15.5	100	0.00
21 TMP	2,2-Dichloropropane	0.356	0.416	-16.9	100	0.00
22 TMP	cis-1,2-Dichloroethene	0.316	0.324	-2.5	100	0.00
23 TMP	Chloroform	0.496	0.624	-25.8#	100	0.00
24 TMP	2-Butanone (MEK)	0.170	0.175	-2.9	100	0.00
25 TMP	t-Amyl methyl ether (TAME)	0.673	0.681	-1.2	100	0.00
26 TMP	1,2-Dichloroethane (EDC)	0.375	0.387	-3.2	100	0.00
27 TMP	1,1,1-Trichloroethane	0.428	0.443	-3.5	100	0.00
28 TMP	1,1-Dichloropropene	0.346	0.335	3.2	100	0.00
29 TMP	Carbon tetrachloride	0.372	0.369	0.8	100	0.00
30 S	1,2-Dichloroethane-d4	0.063	0.064	-1.6	100	0.00
31 TMP	Benzene	1.078	1.040	3.5	100	0.00
32 TMP	Trichloroethene	0.311	0.289	7.1	100	0.00
33 TMP	1,2-Dichloropropane	0.266	0.266	0.0	100	0.00
34 TMP	Bromodichloromethane	0.319	0.332	-4.1	100	0.00
35 S	Toluene-d8	0.888	0.840	5.4	100	0.00
36 TMP	Dibromomethane	0.162	0.167	-3.1	100	0.00
37 TMP	4-Methyl-2-pentanone	0.045	0.045	0.0	100	0.00
38 TMP	cis-1,3-Dichloropropene	0.364	0.348	4.4	100	0.00
39 I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40 TMP	Toluene	0.869	0.852	2.0	100	0.00
41 TMP	trans-1,3-Dichloropropene	0.405	0.387	4.4	100	0.00
42 TMP	1,1,2-Trichloroethane	0.260	0.252	3.1	100	0.00
43 TMP	2-Hexanone	0.268	0.274	-2.2	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110324.D
 Acq On : 03 Nov 2022 03:39 pm
 Operator : LM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 14 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 13:09:33 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.430	0.463	-7.7	100	0.00
45 TMP Tetrachloroethene	0.406	0.390	3.9	100	0.00
46 TMP Dibromochloromethane	0.344	0.324	5.8	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	0.317	0.306	3.5	100	0.00
48 TMP Chlorobenzene	0.922	0.890	3.5	100	0.00
49 TMP Ethylbenzene	1.605	1.556	3.1	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.356	0.372	-4.5	100	0.00
51 TMP m,p-Xylene	0.626	0.601	4.0	100	0.00
52 TMP o-Xylene	0.622	0.607	2.4	100	0.00
53 TMP Styrene	0.907	0.869	4.2	100	0.00
54 TMP Isopropylbenzene	1.561	1.501	3.8	100	0.00
55 TMP Bromoform	0.258	0.259	-0.4	100	0.00
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	0.748	0.730	2.4	100	0.00
58 TMP n-Propylbenzene	3.027	2.957	2.3	100	0.00
59 TMP Bromobenzene	0.740	0.815	-10.1	100	0.00
60 TMP 1,3,5-Trimethylbenzene	2.224	1.979	11.0	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.717	0.739	-3.1	100	0.00
62 TMP 1,2,3-Trichloropropane	0.549	0.576	-4.9	100	0.00
63 TMP 2-Chlorotoluene	1.828	1.871	-2.4	100	0.00
64 TMP 4-Chlorotoluene	1.994	1.835	8.0	100	0.00
65 TMP tert-Butylbenzene	1.953	1.643	15.9	100	0.00
66 TMP 1,2,4-Trimethylbenzene	2.250	2.134	5.2	100	0.00
67 TMP sec-Butylbenzene	2.892	2.494	13.8	100	0.00
68 TMP p-Isopropyltoluene	2.502	2.249	10.1	100	0.00
69 TMP 1,3-Dichlorobenzene	1.434	1.465	-2.2	100	0.00
70 TMP 1,4-Dichlorobenzene	1.430	1.375	3.8	100	0.00
71 TMP 1,2-Dichlorobenzene	1.428	1.534	-7.4	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	0.145	0.000#	100.0#	0#	-10.63#
73 TMP 1,2,4-Trichlorobenzene	1.063	1.038	2.4	100	0.00
74 TMP Hexachlorobutadiene	0.623	0.685	-10.0	100	0.00
75 TMP Naphthalene	2.362	2.309	2.2	100	0.00
76 TMP 1,2,3-Trichlorobenzene	0.987	0.932	5.6	100	0.00

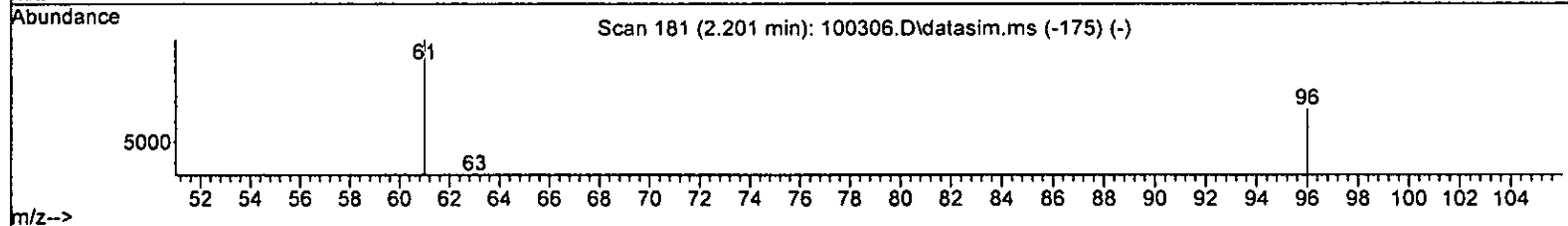
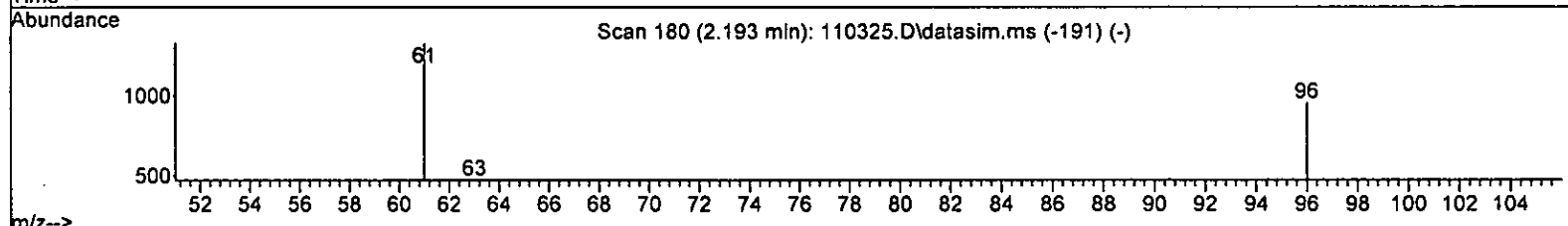
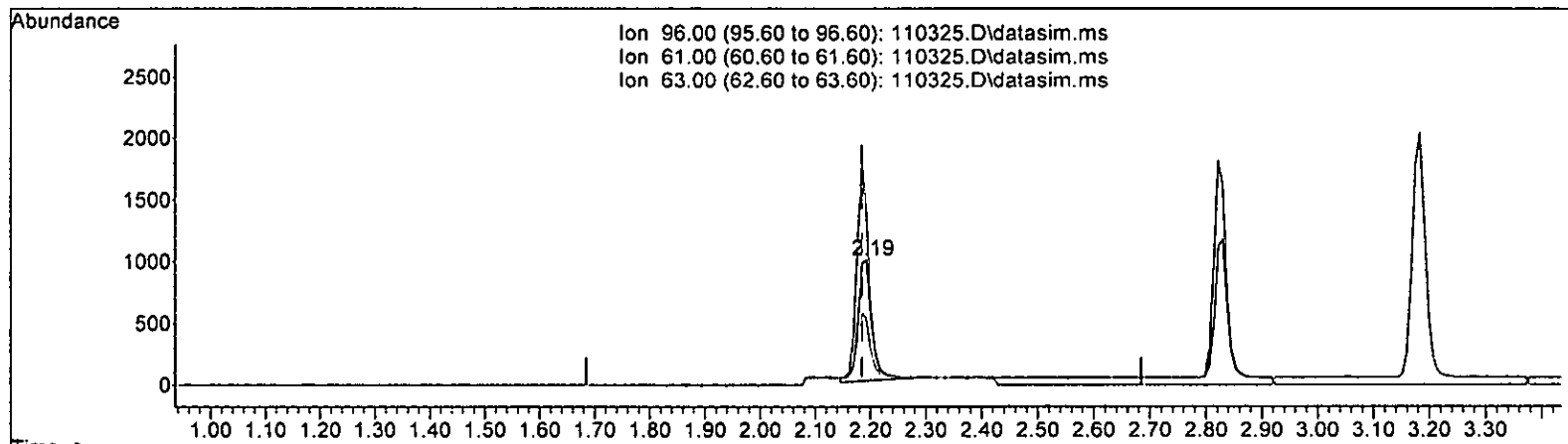
(#) = Out of Range

SPCC's out = 4 CCC's out = 0

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110325.D
 Acq On : 03 Nov 2022 04:01 pm
 Operator : LM
 Sample : 1 ppb 8260 ICAL 67-177K
 Misc : soil/water
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 13:09:35 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M



TIC: 110325.D\data.ms

(12) 1,1-Dichloroethene (TMP)

2.193min (+ 0.008) 1.135 ppb

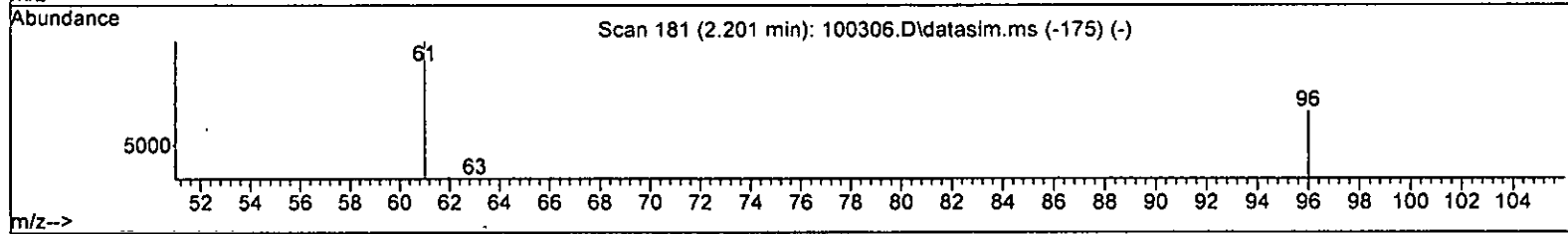
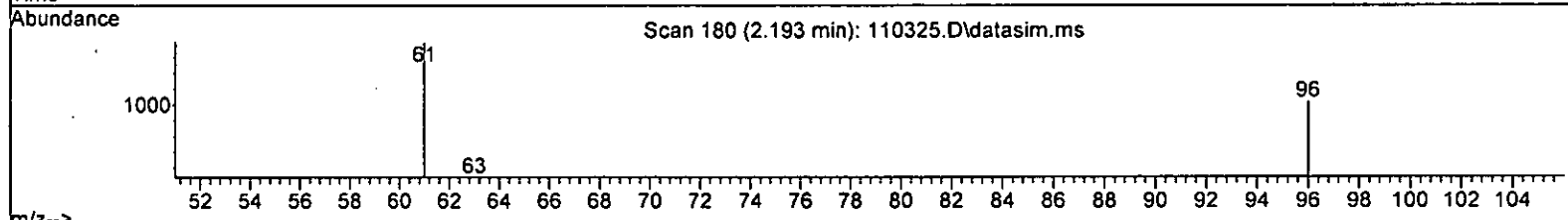
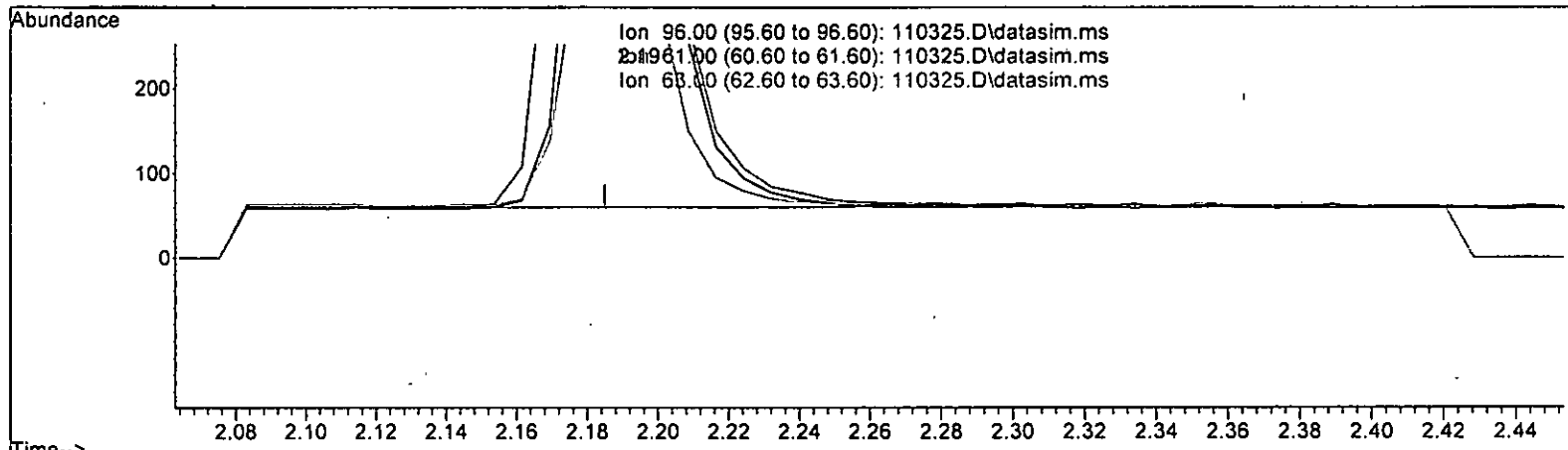
response 1709

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	155.80	139.64
63.00	52.50	49.48
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110325.D
 Acq On : 03 Nov 2022 04:01 pm
 Operator : LM
 Sample : 1 ppb 8260 ICAL 67-177K
 Misc : soil/water
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 13:09:35 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M



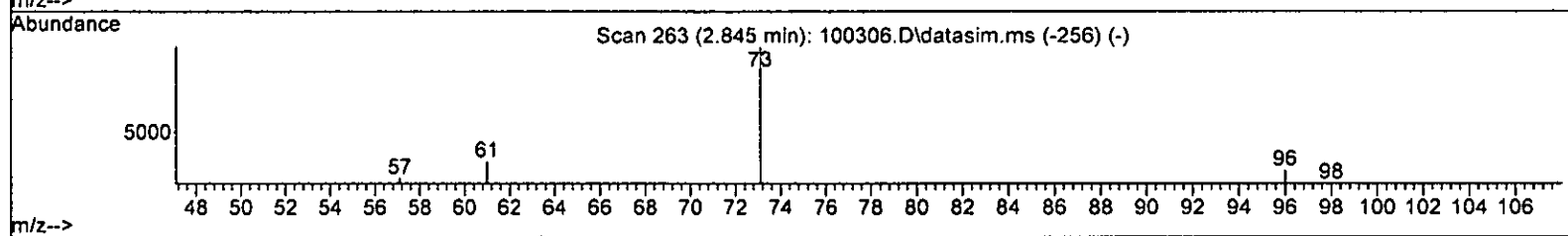
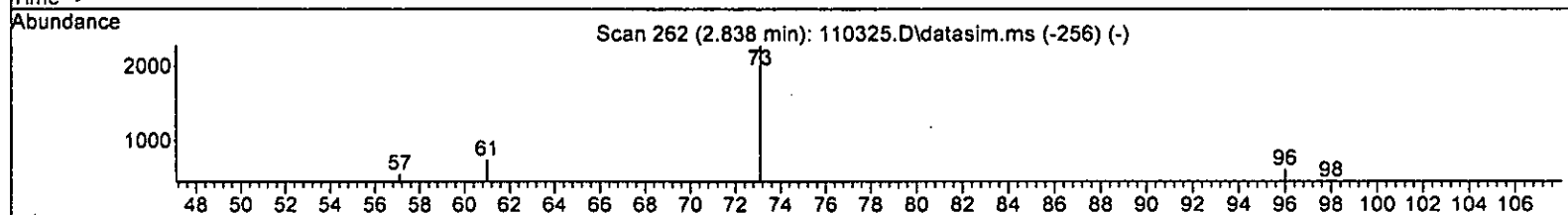
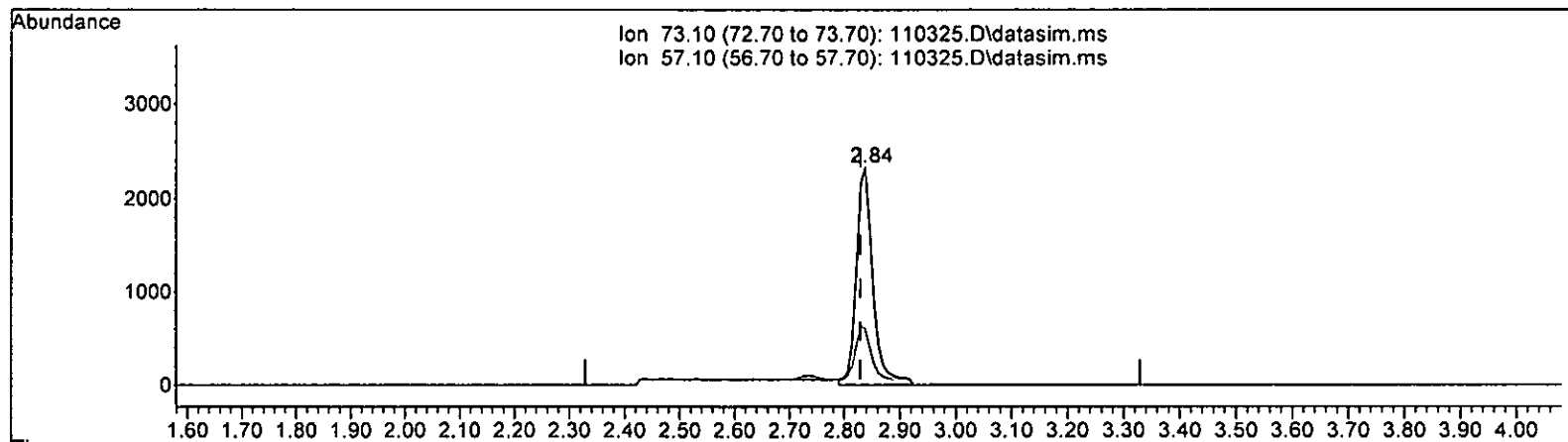
TIC: 110325.D\data.ms

(12) 1,1-Dichloroethene (TMP)		
2.193min (+ 0.008)	1.031 ppb m	
response	1552	
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	155.80	137.44
63.00	52.50	52.71
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110325.D
 Acq On : 03 Nov 2022 04:01 pm
 Operator : LM
 Sample : 1 ppb 8260 ICAL 67-177K
 Misc : soil/water
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 13:09:35 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M



TIC: 110325.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

2.838min (+ 0.009) 1.191 ppb

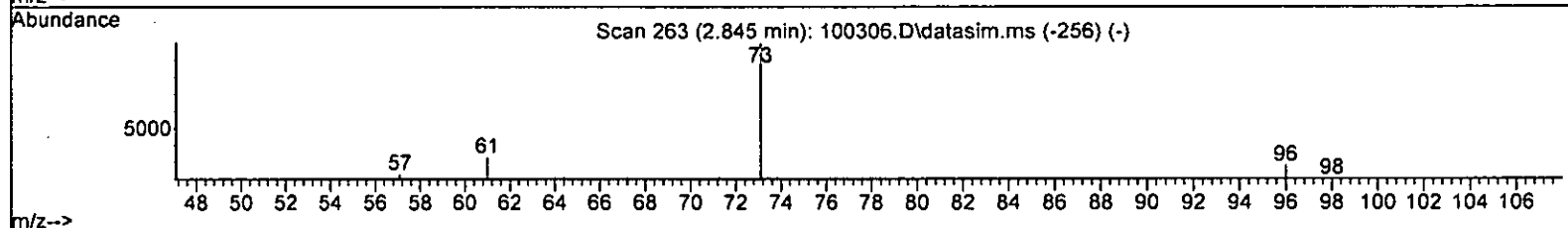
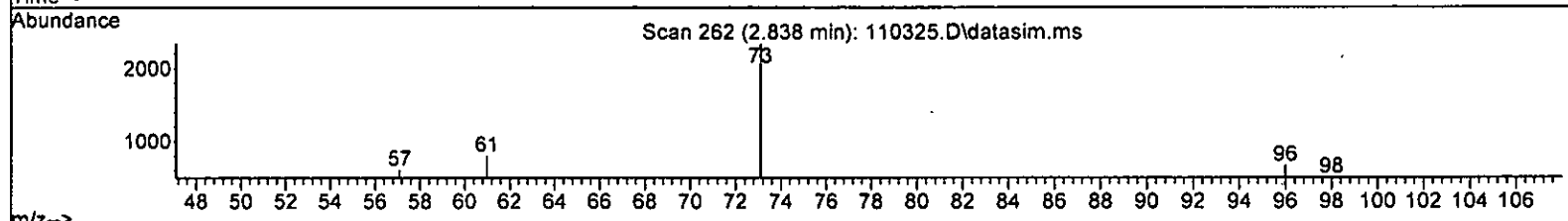
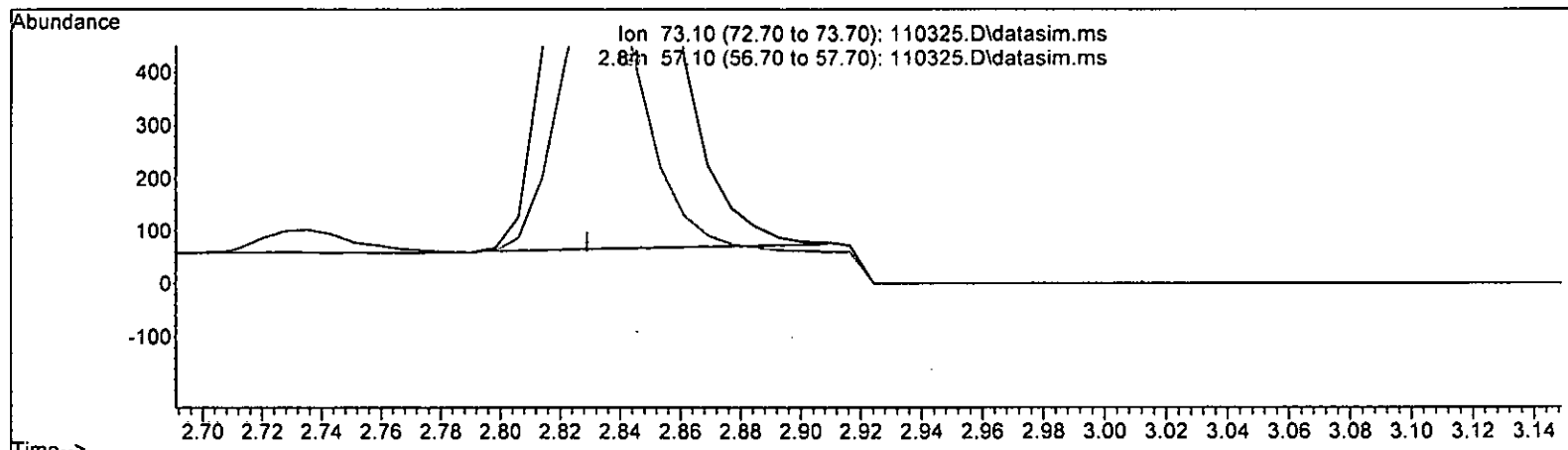
response 4774

Ion	Exp%	Act%
73.10	100.00	100.00
57.10	23.10	25.81
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110325.D
 Acq On : 03 Nov 2022 04:01 pm
 Operator : LM
 Sample : 1 ppb 8260 ICAL 67-177K
 Misc : soil/water
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 13:09:35 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M



TIC: 110325.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

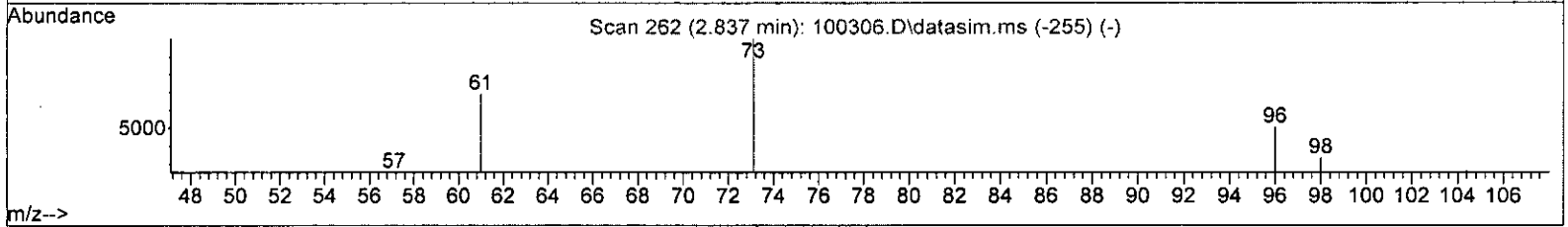
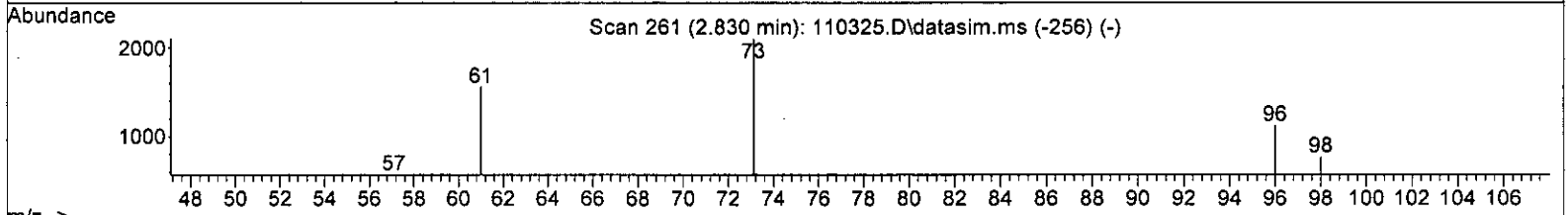
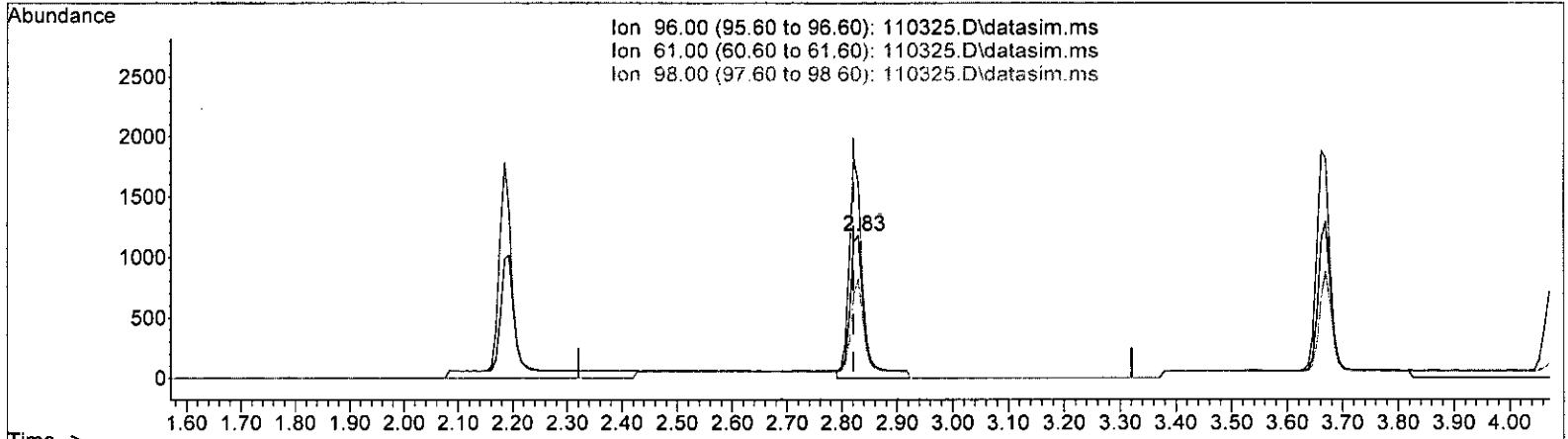
2.838min (+ 0.009) 1.064 ppb m

response	4263	
Ion	Exp%	Act%
73.10	100.00	100.00
57.10	23.10	25.81
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110325.D
 Acq On : 03 Nov 2022 04:01 pm
 Operator : LM
 Sample : 1 ppb 8260 ICAL 67-177K
 Misc : soil/water
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 13:09:35 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M



TIC: 110325.D\data.ms

(17) trans-1,2-Dichloroethene (TMP)

2.830min (+ 0.009) 1.288 ppb

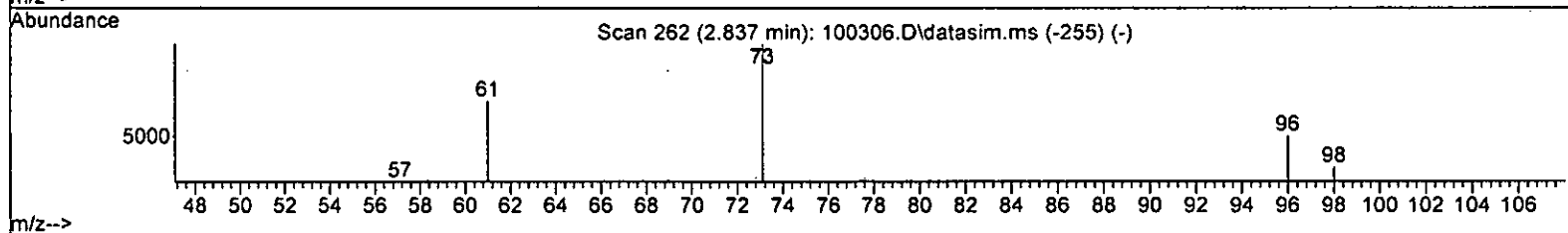
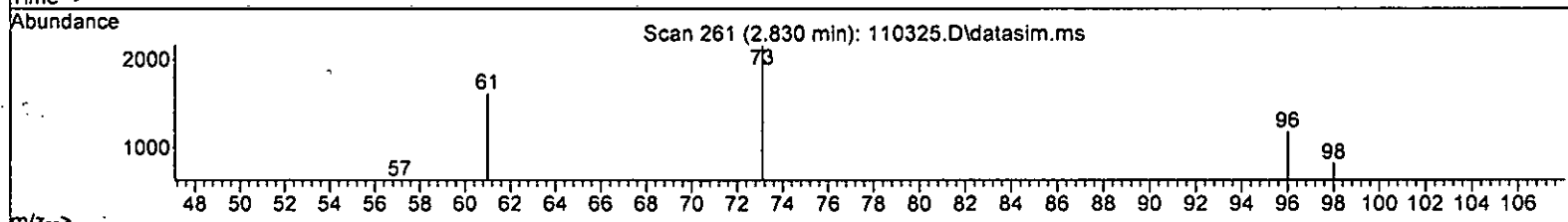
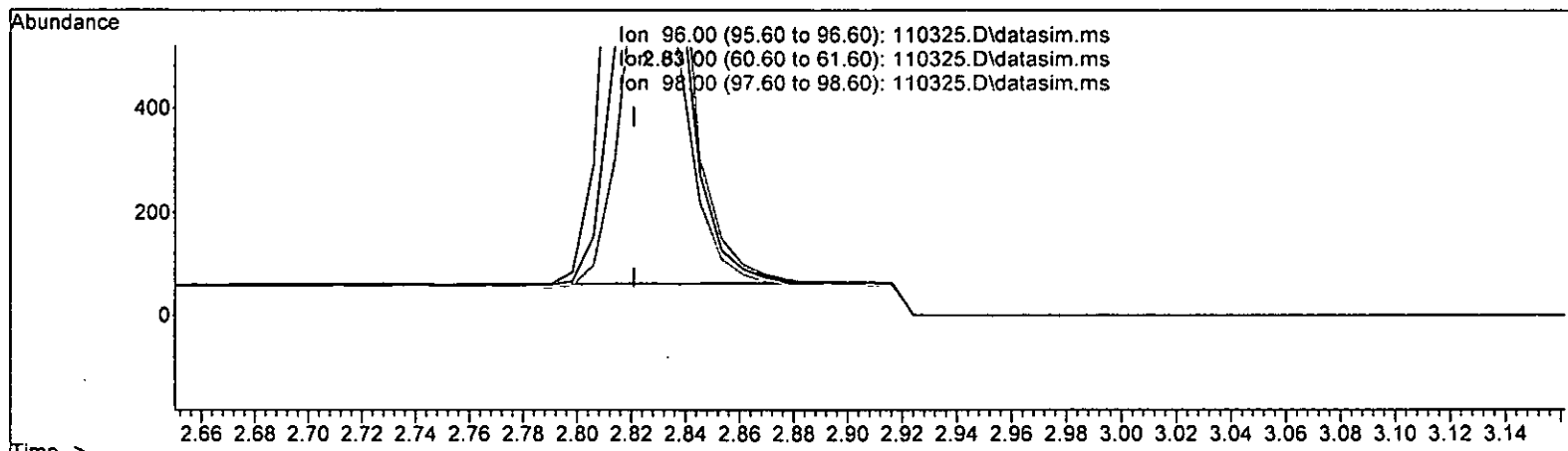
response 2192

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	138.60	136.81
98.00	66.00	69.30
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110325.D
 Acq On : 03 Nov 2022 04:01 pm
 Operator : LM
 Sample : 1 ppb 8260 ICAL 67-177K
 Misc : soil/water
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 13:09:35 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M



TIC: 110325.D\data.ms

(17) trans-1,2-Dichloroethene (TMP)

2.830min (+ 0.009) 1.016 ppb m

response 1729

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	138.60	136.81
98.00	66.00	69.30
0.00	0.00	0.00

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110325.D
 Acq On : 03 Nov 2022 04:01 pm
 Operator : LM
 Sample : 1 ppb 8260 ICAL 67-177K
 Misc : soil/water
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 13:09:35 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	4.63	96	57426	10.000	ppb	0.00	
39) Chlorobenzene-d5	7.27	117	40297	10.000	ppb	0.00	
56) 1,4-Dichlorobenzene-d4	9.48	152	23765	10.000	ppb	0.00	
System Monitoring Compounds							
3) Dibromofluoromethane	4.07	113	16413	10.093	ppb	0.00	
Spiked Amount	10.000		Range 50 - 150	Recovery	=	100.90%	
30) 1,2-Dichloroethane-d4	4.35	102	3732	10.314	ppb	0.00	
Spiked Amount	10.000		Range 79 - 128	Recovery	=	103.10%	
35) Toluene-d8	5.98	98	50414	9.890	ppb	0.00	
Spiked Amount	10.000		Range 84 - 121	Recovery	=	98.90%	
57) 4-Bromofluorobenzene	8.38	95	18004	10.130	ppb	0.00	
Spiked Amount	10.000		Range 84 - 116	Recovery	=	101.30%	
Target Compounds							
							Qvalue
2) Ethanol	0.00		0	N.D.			
4) Dichlorodifluoromethane	1.08	85	4196	0.947	ppb		98
5) Chloromethane	1.22	50	6021	1.119	ppb		94
6] Vinyl chloride	1.29	62	5078	1.055	ppb		97
7) Bromomethane	0.00		0	N.D.	d		
8] Chloroethane	1.59	64	2699	1.118	ppb		96
9) Trichlorofluoromethane	1.77	101	5536	1.059	ppb		94
10] 2-Propanol	0.00		0	N.D.			
11) Acetone	2.26	58	1261	4.769	ppb		89
12] 1,1-Dichloroethene	2.19	96	1552m	1.031	ppb		
13) Hexane	3.05	57	2330	0.995	ppb		85
14) Methylene chloride	0.00		0	N.D.	d		
15) t-Butyl alcohol (TBA)	2.73	59	1026	5.268	ppb		99
16] Methyl t-butyl ether (...)	2.84	73	4263m	1.064	ppb		
17] trans-1,2-Dichloroethene	2.83	96	1729m	1.016	ppb		
18) Diisopropyl ether (DIPE)	3.24	45	5124	1.035	ppb		88
19] 1,1-Dichloroethane	3.18	63	3223	1.066	ppb		100
20) Ethyl t-butyl ether (E...)	3.55	87	1764	1.059	ppb	#	73
21) 2,2-Dichloropropane	3.67	77	2277	1.113	ppb		96
22] cis-1,2-Dichloroethene	3.67	96	1890	1.043	ppb		98
23) Chloroform	3.94	83	3233	1.134	ppb		99
24) 2-Butanone (MEK)	3.70	43	4938	5.046	ppb		88
25) t-Amyl methyl ether (T...)	4.49	73	4039	1.046	ppb		99
26] 1,2-Dichloroethane (EDC)	4.41	62	2416	1.122	ppb		100
27] 1,1,1-Trichloroethane	4.08	97	2625	1.068	ppb		98
28) 1,1-Dichloropropene	4.22	75	2040	1.025	ppb		92
29) Carbon tetrachloride	4.21	117	2113	0.989	ppb		82
31] Benzene	4.39	78	6468	1.091	ppb		96
32] Trichloroethene	4.93	95	1781	0.997	ppb		94
33) 1,2-Dichloropropane	5.13	63	1661	1.086	ppb	#	89
34) Bromodichloromethane	5.37	83	1984	1.083	ppb		92
36) Dibromomethane	5.23	93	927	0.995	ppb		86

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110325.D
 Acq On : 03 Nov 2022 04:01 pm
 Operator : LM
 Sample : 1 ppb 8260 ICAL 67-177K
 Misc : soil/water
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS11

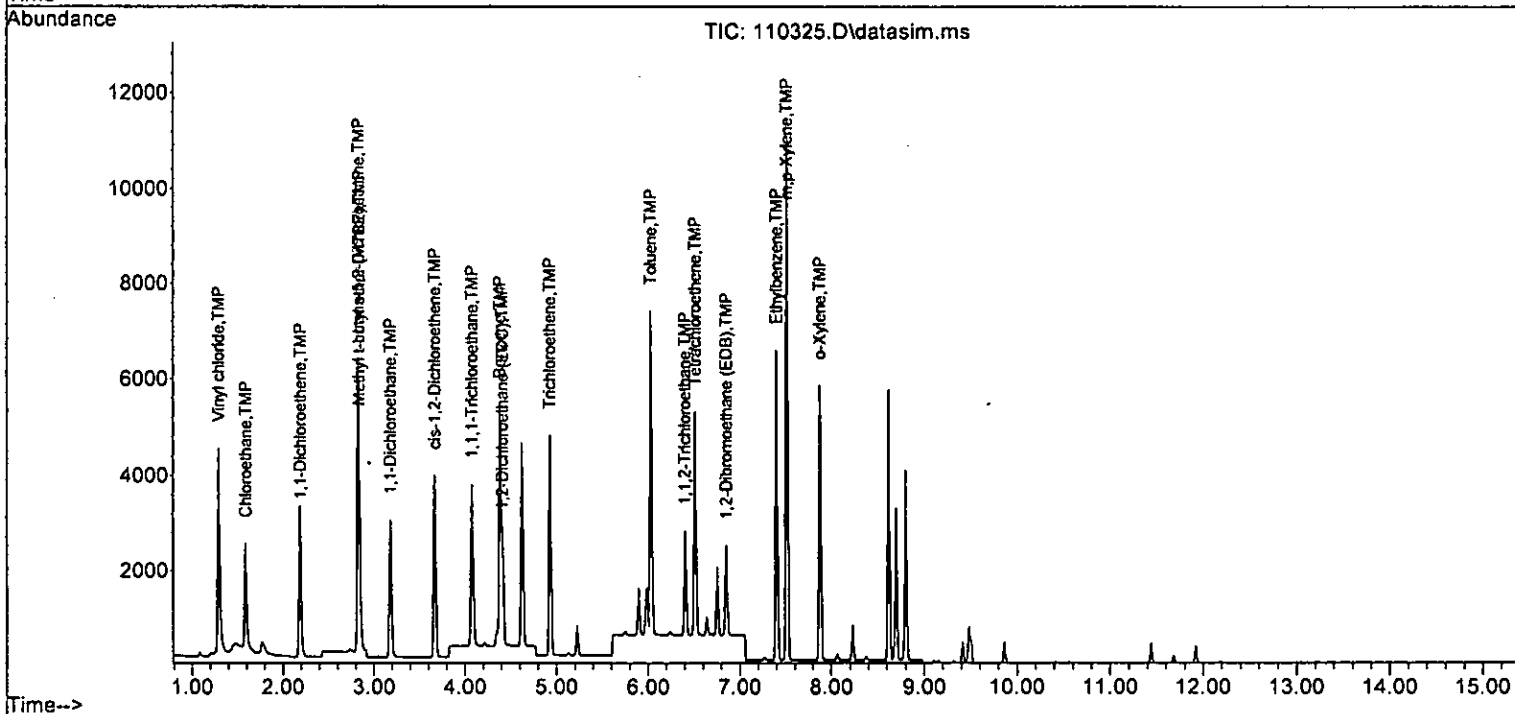
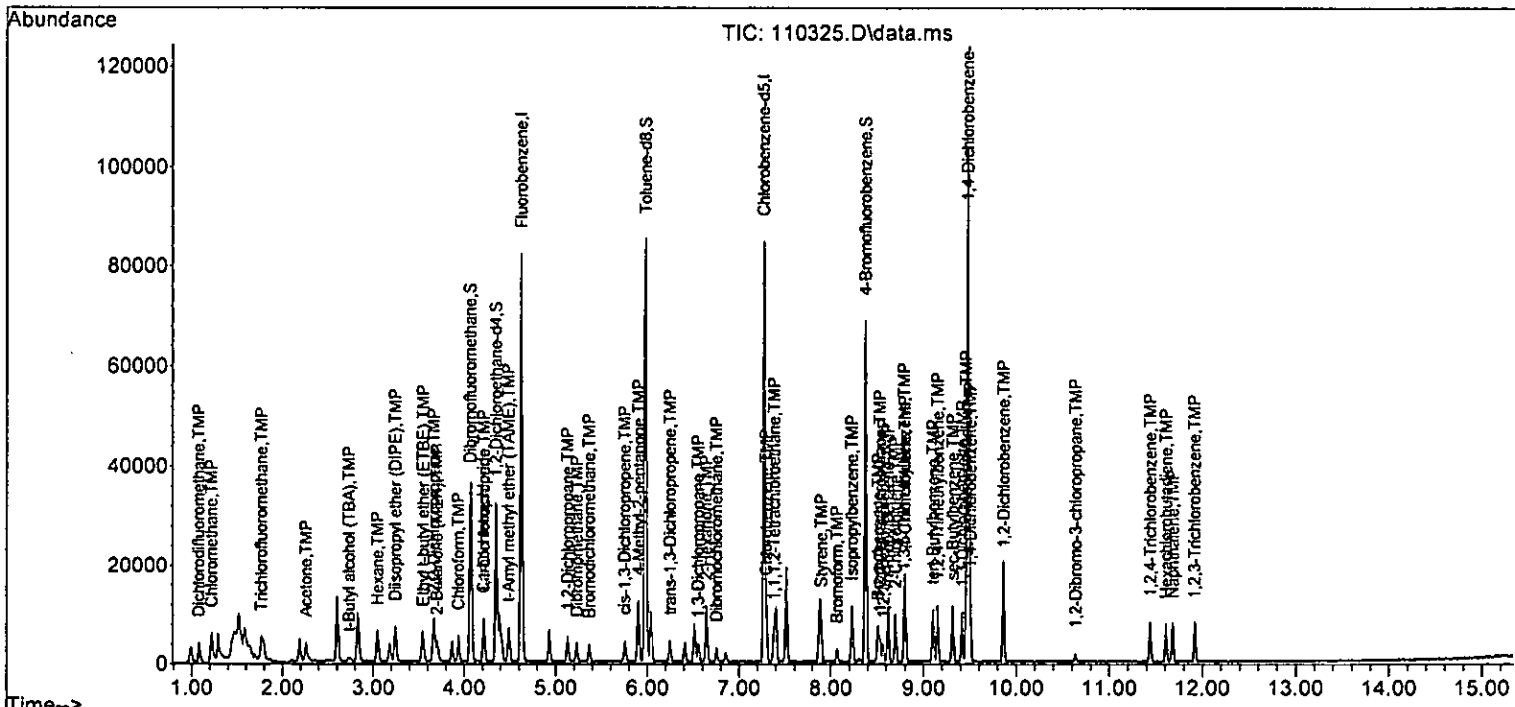
Quant Time: Nov 07 13:09:35 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	5.91	85	1265	4.861	ppb	90
38) cis-1,3-Dichloropropene	5.75	75	2078	0.995	ppb	91
40] Toluene	6.03	92	3640	1.040	ppb	92
41) trans-1,3-Dichloropropene	6.25	75	1662	1.017	ppb	91
42] 1,1,2-Trichloroethane	6.40	83	1094	1.121	ppb	90
43) 2-Hexanone	6.64	43	6050	5.602	ppb	96
44) 1,3-Dichloropropane	6.55	76	1887	1.089	ppb	80
45] Tetrachloroethene	6.51	164	1607	1.100	ppb	96
46) Dibromochloromethane	6.75	129	1459	1.052	ppb	87
47] 1,2-Dibromoethane (EDB)	6.85	107	1327	1.039	ppb	97
48) Chlorobenzene	7.30	112	4092	1.101	ppb	93
49] Ethylbenzene	7.40	91	6558	1.014	ppb	93
50) 1,1,1,2-Tetrachloroethane	7.38	131	1578	1.101	ppb	90
51] m,p-Xylene	7.51	106	5059	2.005	ppb	85
52] o-Xylene	7.88	106	2547	1.016	ppb	84
53) Styrene	7.90	104	3714	1.016	ppb	86
54) Isopropylbenzene	8.23	105	6461	1.027	ppb	99
55) Bromoform	8.07	173	1051	1.012	ppb	94
58) n-Propylbenzene	8.62	91	7237	1.006	ppb	98
59) Bromobenzene	8.51	156	1881	1.069	ppb	87
60) 1,3,5-Trimethylbenzene	8.79	105	5300	1.003	ppb	97
61) 1,1,2,2-Tetrachloroethane	8.53	83	1708	1.002	ppb	91
62) 1,2,3-Trichloropropane	8.57	75	1384	1.060	ppb	91
63) 2-Chlorotoluene	8.70	91	4673	1.076	ppb	96
64) 4-Chlorotoluene	8.80	91	4913	1.037	ppb	82
65) tert-Butylbenzene	9.10	119	4640	1.000	ppb	96
66) 1,2,4-Trimethylbenzene	9.15	105	5330	0.997	ppb	92
67) sec-Butylbenzene	9.31	105	6702	0.975	ppb	96
68) p-Isopropyltoluene	9.46	119	5792	0.974	ppb	94
69) 1,3-Dichlorobenzene	9.42	146	3687	1.082	ppb	93
70) 1,4-Dichlorobenzene	9.50	146	3886	1.143	ppb	95
71) 1,2-Dichlorobenzene	9.86	146	3422	1.008	ppb	93
72) 1,2-Dibromo-3-chloropr...	10.64	75	367	1.062	ppb	96
73) 1,2,4-Trichlorobenzene	11.44	180	2545	1.007	ppb	94
74) Hexachlorobutadiene	11.61	225	1496	1.010	ppb	92
75) Naphthalene	11.68	128	5599	0.997	ppb	97
76) 1,2,3-Trichlorobenzene	11.91	180	2425	1.034	ppb	92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110325.D
 Acq On : 03 Nov 2022 04:01 pm
 Operator : LM
 Sample : 1 ppb 8260 ICAL 67-177K
 Misc : soil/water
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 13:09:35 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M



Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110325.D
 Acq On : 03 Nov 2022 04:01 pm
 Operator : LM
 Sample : 1 ppb 8260 ICAL 67-177K
 Misc : soil/water
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 13:09:35 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I Fluorobenzene	10.000	10.000	0.0	100	0.00
2 TMP Ethanol	-1.000	0.000	0.0	0	-1.86#
3 S Dibromofluoromethane	10.000	10.093	-0.9	100	0.00
4 TMP Dichlorodifluoromethane	1.000	0.947	5.3	100	0.00
5 TMP Chloromethane	1.000	1.119	-11.9	100	0.00
6 TMP Vinyl chloride	1.000	1.055	-5.5	100	0.00
7 TMP Bromomethane	-1.000	0.000	0.0	0	-1.52#
8 TMP Chloroethane	1.000	1.118	-11.8	104	0.00
9 TMP Trichlorofluoromethane	1.000	1.059	-5.9	100	0.00
10 TMP 2-Propanol	-1.000	0.000	0.0	0	-2.43#
11 TMP Acetone	5.000	4.769	4.6	100	0.00
12 TMP 1,1-Dichloroethene	1.000	1.031	-3.1	99	0.00
13 TMP Hexane	1.000	0.995	0.5	100	0.00
14 TMP Methylene chloride	-1.000	0.000	0.0	0	-2.60#
15 TMP t-Butyl alcohol (TBA)	5.000	5.268	-5.4	100	0.00
16 TMP Methyl t-butyl ether (MTBE)	1.000	1.064	-6.4	99	0.00
17 TMP trans-1,2-Dichloroethene	1.000	1.016	-1.6	99	0.00
18 TMP Diisopropyl ether (DIPE)	1.000	1.035	-3.5	100	0.00
19 TMP 1,1-Dichloroethane	1.000	1.066	-6.6	100	0.00
20 TMP Ethyl t-butyl ether (ETBE)	1.000	1.059	-5.9	100	0.00
21 TMP 2,2-Dichloropropane	1.000	1.113	-11.3	100	0.00
22 TMP cis-1,2-Dichloroethene	1.000	1.043	-4.3	100	0.00
23 TMP Chloroform	1.000	1.134	-13.4	100	0.00
24 TMP 2-Butanone (MEK)	5.000	5.046	-0.9	100	0.00
25 TMP t-Amyl methyl ether (TAME)	1.000	1.046	-4.6	100	0.00
26 TMP 1,2-Dichloroethane (EDC)	1.000	1.122	-12.2	100	0.00
27 TMP 1,1,1-Trichloroethane	1.000	1.068	-6.8	100	0.00
28 TMP 1,1-Dichloropropene	1.000	1.025	-2.5	100	0.00
29 TMP Carbon tetrachloride	1.000	0.989	1.1	100	0.00
30 S 1,2-Dichloroethane-d4	10.000	10.314	-3.1	100	0.00
31 TMP Benzene	1.000	1.091	-9.1	100	0.00
32 TMP Trichloroethene	1.000	0.997	0.3	100	0.00
33 TMP 1,2-Dichloropropane	1.000	1.086	-8.6	100	0.00
34 TMP Bromodichloromethane	1.000	1.083	-8.3	100	0.00
35 S Toluene-d8	10.000	9.890	1.1	100	0.00
36 TMP Dibromomethane	1.000	0.995	0.5	100	0.00
37 TMP 4-Methyl-2-pentanone	5.000	4.861	2.8	100	0.00
38 TMP cis-1,3-Dichloropropene	1.000	0.995	0.5	100	0.00
39 I Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40 TMP Toluene	1.000	1.040	-4.0	100	0.00
41 TMP trans-1,3-Dichloropropene	1.000	1.017	-1.7	100	0.00
42 TMP 1,1,2-Trichloroethane	1.000	1.121	-12.1	100	0.00
43 TMP 2-Hexanone	5.000	5.602	-12.0	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110325.D
 Acq On : 03 Nov 2022 04:01 pm
 Operator : LM
 Sample : 1 ppb 8260 ICAL 67-177K
 Misc : soil/water
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 13:09:35 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	1.000	1.089	-8.9	100	0.00
45 TMP Tetrachloroethene	1.000	1.100	-10.0	100	0.00
46 TMP Dibromochloromethane	1.000	1.052	-5.2	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	1.000	1.039	-3.9	100	0.00
48 TMP Chlorobenzene	1.000	1.101	-10.1	100	0.00
49 TMP Ethylbenzene	1.000	1.014	-1.4	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	1.000	1.101	-10.1	100	0.00
51 TMP m,p-Xylene	2.000	2.005	-0.2	100	0.00
52 TMP o-Xylene	1.000	1.016	-1.6	100	0.00
53 TMP Styrene	1.000	1.016	-1.6	100	0.00
54 TMP Isopropylbenzene	1.000	1.027	-2.7	100	0.00
55 TMP Bromoform	1.000	1.012	-1.2	100	0.00
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	10.000	10.130	-1.3	100	0.00
58 TMP n-Propylbenzene	1.000	1.006	-0.6	100	0.00
59 TMP Bromobenzene	1.000	1.069	-6.9	100	0.00
60 TMP 1,3,5-Trimethylbenzene	1.000	1.003	-0.3	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	1.000	1.002	-0.2	100	0.00
62 TMP 1,2,3-Trichloropropane	1.000	1.060	-6.0	100	0.00
63 TMP 2-Chlorotoluene	1.000	1.076	-7.6	100	0.00
64 TMP 4-Chlorotoluene	1.000	1.037	-3.7	100	0.00
65 TMP tert-Butylbenzene	1.000	1.000	0.0	100	0.00
66 TMP 1,2,4-Trimethylbenzene	1.000	0.997	0.3	100	0.00
67 TMP sec-Butylbenzene	1.000	0.975	2.5	100	0.00
68 TMP p-Isopropyltoluene	1.000	0.974	2.6	100	0.00
69 TMP 1,3-Dichlorobenzene	1.000	1.082	-8.2	100	0.00
70 TMP 1,4-Dichlorobenzene	1.000	1.143	-14.3	100	0.00
71 TMP 1,2-Dichlorobenzene	1.000	1.008	-0.8	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	1.000	1.062	-6.2	100	0.00
73 TMP 1,2,4-Trichlorobenzene	1.000	1.007	-0.7	100	0.00
74 TMP Hexachlorobutadiene	1.000	1.010	-1.0	100	0.00
75 TMP Naphthalene	1.000	0.997	0.3	100	0.00
76 TMP 1,2,3-Trichlorobenzene	1.000	1.034	-3.4	100	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110325.D
 Acq On : 03 Nov 2022 04:01 pm
 Operator : LM
 Sample : 1 ppb 8260 ICAL 67-177K
 Misc : soil/water
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 13:09:35 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2 TMP	Ethanol	0.000	0.000#	0.0	0#	-1.86#
3 S	Dibromofluoromethane	0.283	0.286	-1.1	100	0.00
4 TMP	Dichlorodifluoromethane	0.771	0.731	5.2	100	0.00
5 TMP	Chloromethane	0.937	1.048	-11.8	100	0.00
6 TMP	Vinyl chloride	0.838	0.884	-5.5	100	0.00
7 TMP	Bromomethane	0.490	0.000#	100.0#	0#	-1.52#
8 TMP	Chloroethane	0.420	0.470	-11.9	104	0.00
9 TMP	Trichlorofluoromethane	0.910	0.964	-5.9	100	0.00
10 TMP	2-Propanol	0.000	0.000	0.0	0#	-2.43#
11 TMP	Acetone	0.046	0.044	4.3	100	0.00
12 TMP	1,1-Dichloroethene	0.262	0.270	-3.1	99	0.00
13 TMP	Hexane	0.408	0.406	0.5	100	0.00
14 TMP	Methylene chloride	0.307	0.000#	100.0#	0#	-2.60#
15 TMP	t-Butyl alcohol (TBA)	0.034	0.036	-5.9	100	0.00
16 TMP	Methyl t-butyl ether (MTBE)	0.698	0.742	-6.3	99	0.00
17 TMP	trans-1,2-Dichloroethene	0.296	0.301	-1.7	99	0.00
18 TMP	Diisopropyl ether (DIPE)	0.862	0.892	-3.5	100	0.00
19 TMP	1,1-Dichloroethane	0.527	0.561	-6.5	100	0.00
20 TMP	Ethyl t-butyl ether (ETBE)	0.290	0.307	-5.9	100	0.00
21 TMP	2,2-Dichloropropane	0.356	0.397	-11.5	100	0.00
22 TMP	cis-1,2-Dichloroethene	0.316	0.329	-4.1	100	0.00
23 TMP	Chloroform	0.496	0.563	-13.5	100	0.00
24 TMP	2-Butanone (MEK)	0.170	0.172	-1.2	100	0.00
25 TMP	t-Amyl methyl ether (TAME)	0.673	0.703	-4.5	100	0.00
26 TMP	1,2-Dichloroethane (EDC)	0.375	0.421	-12.3	100	0.00
27 TMP	1,1,1-Trichloroethane	0.428	0.457	-6.8	100	0.00
28 TMP	1,1-Dichloropropene	0.346	0.355	-2.6	100	0.00
29 TMP	Carbon tetrachloride	0.372	0.368	1.1	100	0.00
30 S	1,2-Dichloroethane-d4	0.063	0.065	-3.2	100	0.00
31 TMP	Benzene	1.078	1.126	-4.5	100	0.00
32 TMP	Trichloroethene	0.311	0.310	0.3	100	0.00
33 TMP	1,2-Dichloropropane	0.266	0.289	-8.6	100	0.00
34 TMP	Bromodichloromethane	0.319	0.345	-8.2	100	0.00
35 S	Toluene-d8	0.888	0.878	1.1	100	0.00
36 TMP	Dibromomethane	0.162	0.161	0.6	100	0.00
37 TMP	4-Methyl-2-pentanone	0.045	0.044	2.2	100	0.00
38 TMP	cis-1,3-Dichloropropene	0.364	0.362	0.5	100	0.00
39 I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40 TMP	Toluene	0.869	0.903	-3.9	100	0.00
41 TMP	trans-1,3-Dichloropropene	0.405	0.412	-1.7	100	0.00
42 TMP	1,1,2-Trichloroethane	0.260	0.271	-4.2	100	0.00
43 TMP	2-Hexanone	0.268	0.300	-11.9	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110325.D
 Acq On : 03 Nov 2022 04:01 pm
 Operator : LM
 Sample : 1 ppb 8260 ICAL 67-177K
 Misc : soil/water
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 13:09:35 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.430	0.468	-8.8	100	0.00
45 TMP Tetrachloroethene	0.406	0.399	1.7	100	0.00
46 TMP Dibromochloromethane	0.344	0.362	-5.2	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	0.317	0.329	-3.8	100	0.00
48 TMP Chlorobenzene	0.922	1.015	-10.1	100	0.00
49 TMP Ethylbenzene	1.605	1.627	-1.4	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.356	0.392	-10.1	100	0.00
51 TMP m,p-Xylene	0.626	0.628	-0.3	100	0.00
52 TMP o-Xylene	0.622	0.632	-1.6	100	0.00
53 TMP Styrene	0.907	0.922	-1.7	100	0.00
54 TMP Isopropylbenzene	1.561	1.603	-2.7	100	0.00
55 TMP Bromoform	0.258	0.261	-1.2	100	0.00
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	0.748	0.758	-1.3	100	0.00
58 TMP n-Propylbenzene	3.027	3.045	-0.6	100	0.00
59 TMP Bromobenzene	0.740	0.792	-7.0	100	0.00
60 TMP 1,3,5-Trimethylbenzene	2.224	2.230	-0.3	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.717	0.719	-0.3	100	0.00
62 TMP 1,2,3-Trichloropropane	0.549	0.582	-6.0	100	0.00
63 TMP 2-Chlorotoluene	1.828	1.966	-7.5	100	0.00
64 TMP 4-Chlorotoluene	1.994	2.067	-3.7	100	0.00
65 TMP tert-Butylbenzene	1.953	1.952	0.1	100	0.00
66 TMP 1,2,4-Trimethylbenzene	2.250	2.243	0.3	100	0.00
67 TMP sec-Butylbenzene	2.892	2.820	2.5	100	0.00
68 TMP p-Isopropyltoluene	2.502	2.437	2.6	100	0.00
69 TMP 1,3-Dichlorobenzene	1.434	1.551	-8.2	100	0.00
70 TMP 1,4-Dichlorobenzene	1.430	1.635	-14.3	100	0.00
71 TMP 1,2-Dichlorobenzene	1.428	1.440	-0.8	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	0.145	0.154	-6.2	100	0.00
73 TMP 1,2,4-Trichlorobenzene	1.063	1.071	-0.8	100	0.00
74 TMP Hexachlorobutadiene	0.623	0.629	-1.0	100	0.00
75 TMP Naphthalene	2.362	2.356	0.3	100	0.00
76 TMP 1,2,3-Trichlorobenzene	0.987	1.020	-3.3	100	0.00

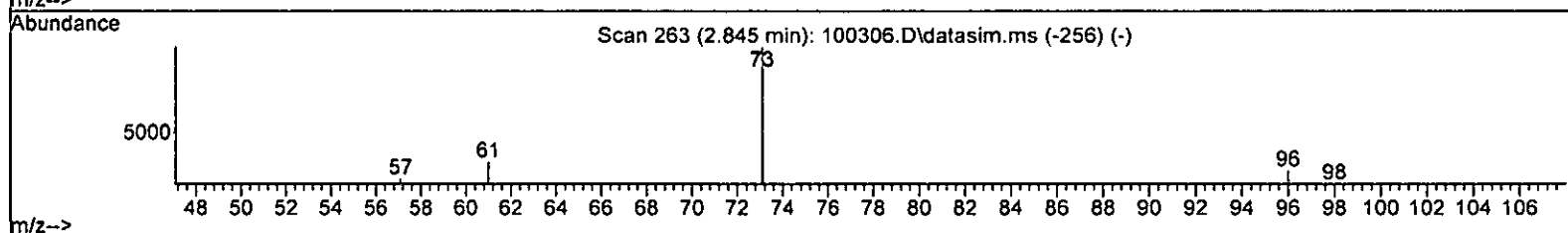
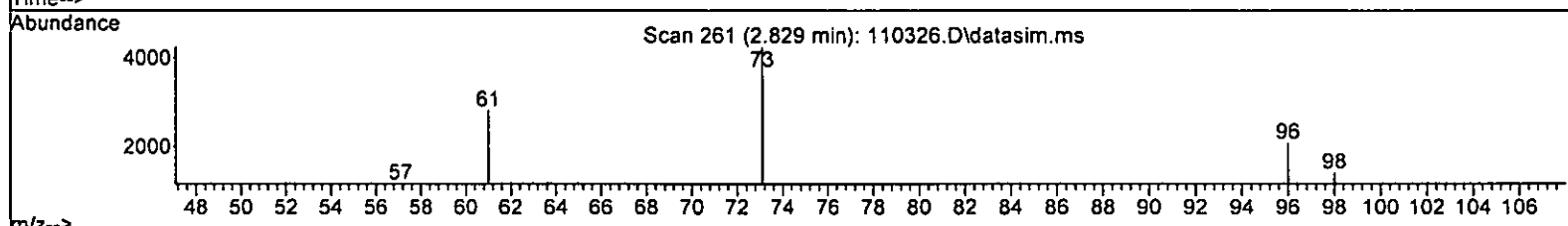
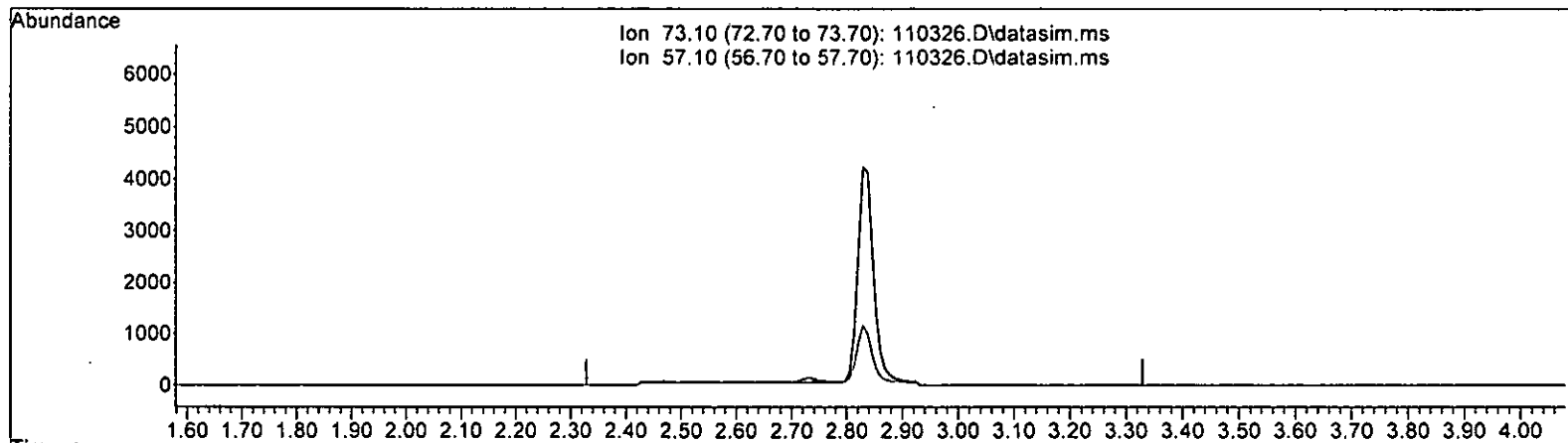
(#) = Out of Range

SPCC's out = 3 CCC's out = 0

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110326.D
 Acq On : 03 Nov 2022 04:24 pm
 Operator : LM
 Sample : 2 ppb 8260 ICAL 67-177L
 Misc : soil/water
 ALS Vial : 16 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 13:09:37 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M



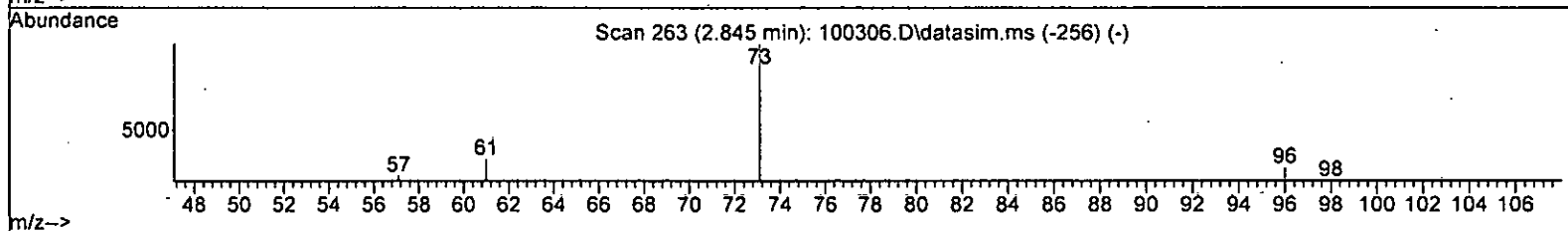
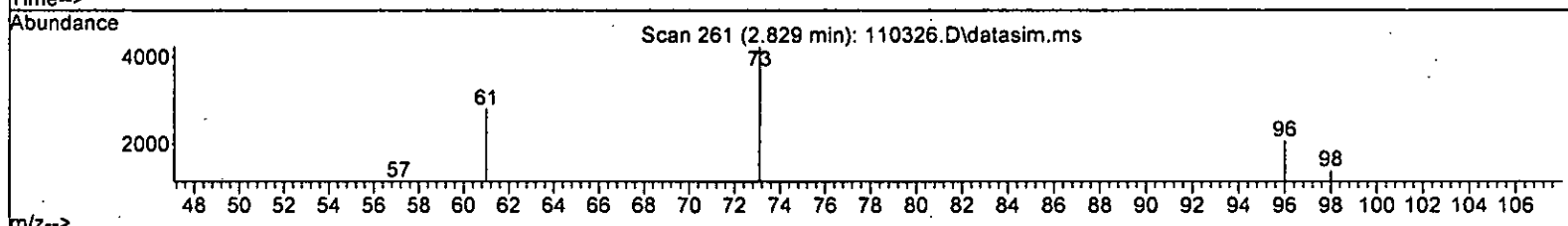
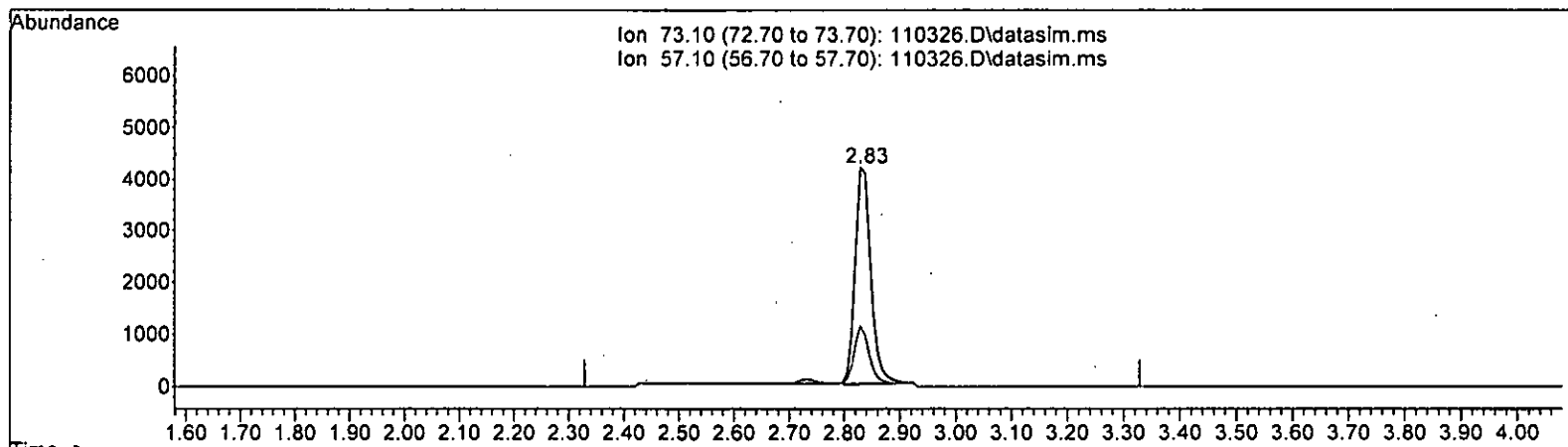
TIC: 110326.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)		
2.829min	0.000 ppb d	
response	0	
Ion	Exp%	Act%
73.10	100.00	0.00
57.10	23.10	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110326.D
 Acq On : 03 Nov 2022 04:24 pm
 Operator : LM
 Sample : 2 ppb 8260 ICAL 67-177L
 Misc : soil/water
 ALS Vial : 16 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 13:09:37 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M



TIC: 110326.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

2.829min (+ 0.000) 2.100 ppb m

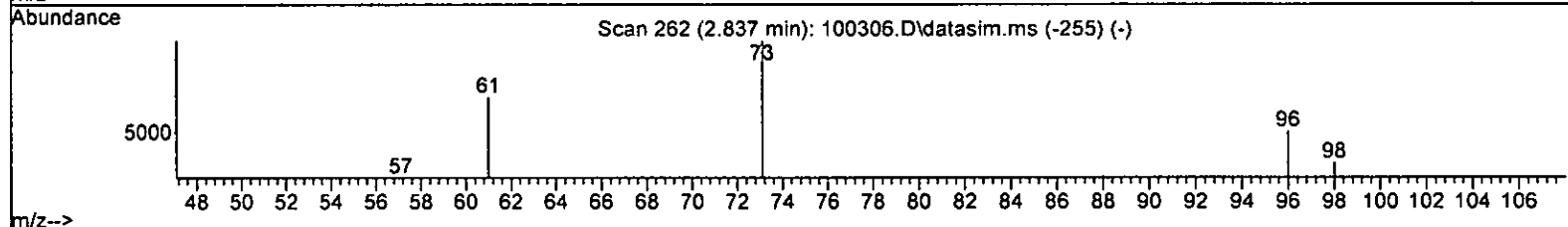
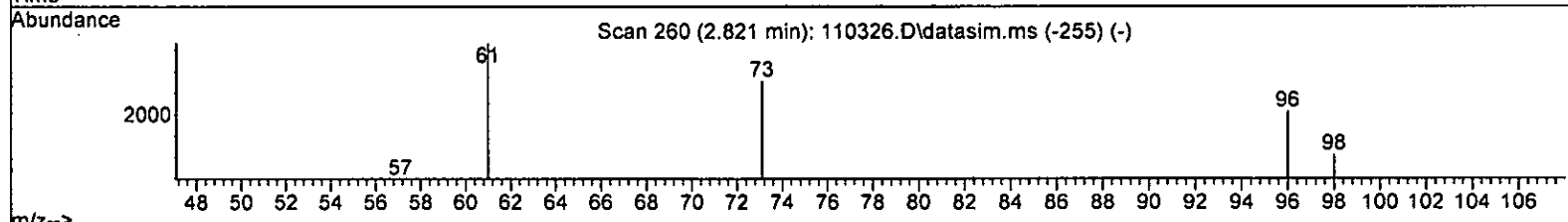
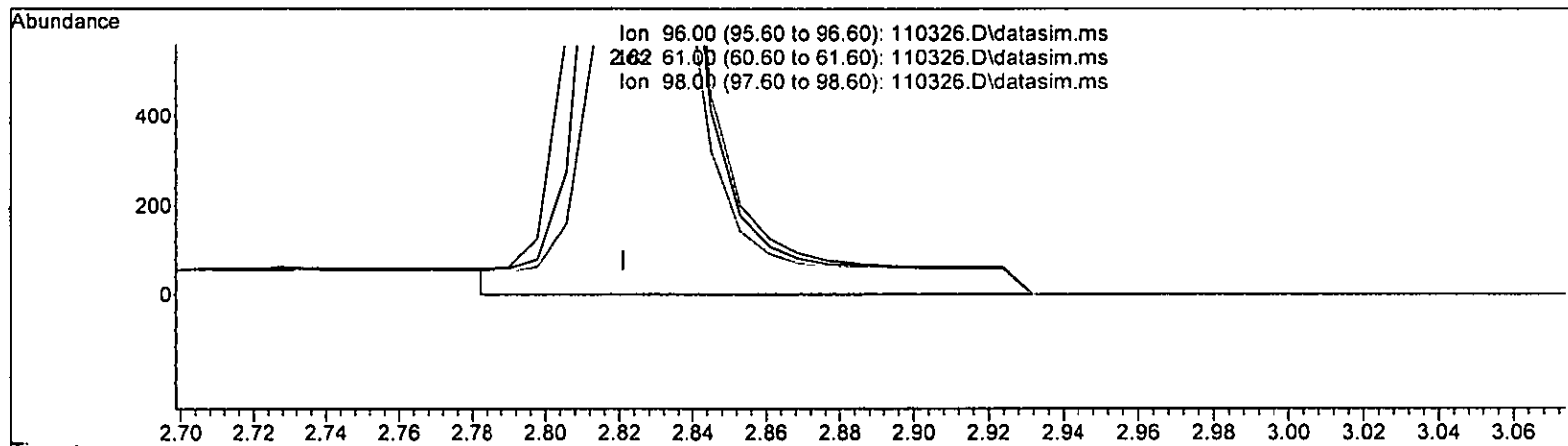
response 8150

Ion	Exp%	Act%
73.10	100.00	100.00
57.10	23.10	27.34
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110326.D
 Acq On : 03 Nov 2022 04:24 pm
 Operator : LM
 Sample : 2 ppb 8260 ICAL 67-177L
 Misc : soil/water
 ALS Vial : 16 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 13:09:37 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M



TIC: 110326.D\data.ms

(17) trans-1,2-Dichloroethene (TMP)

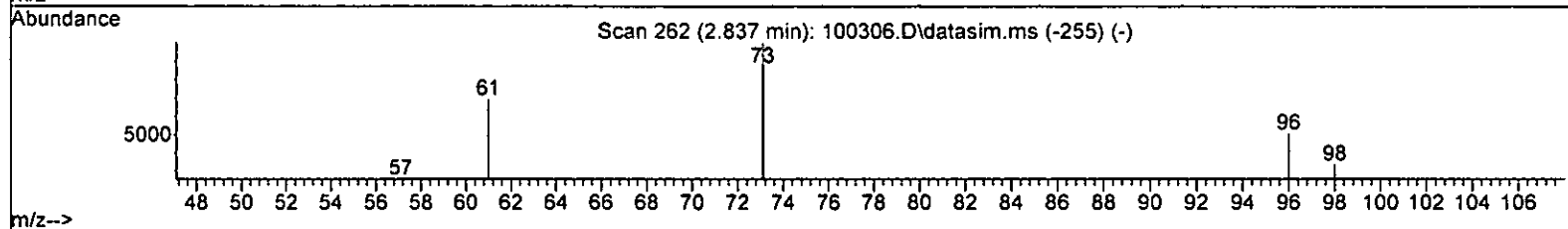
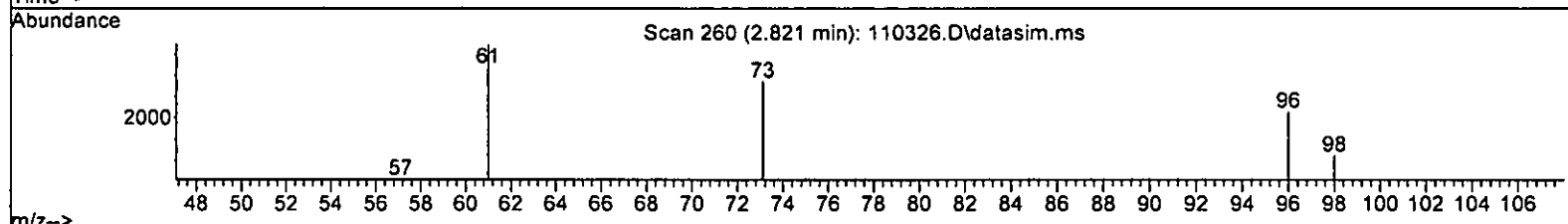
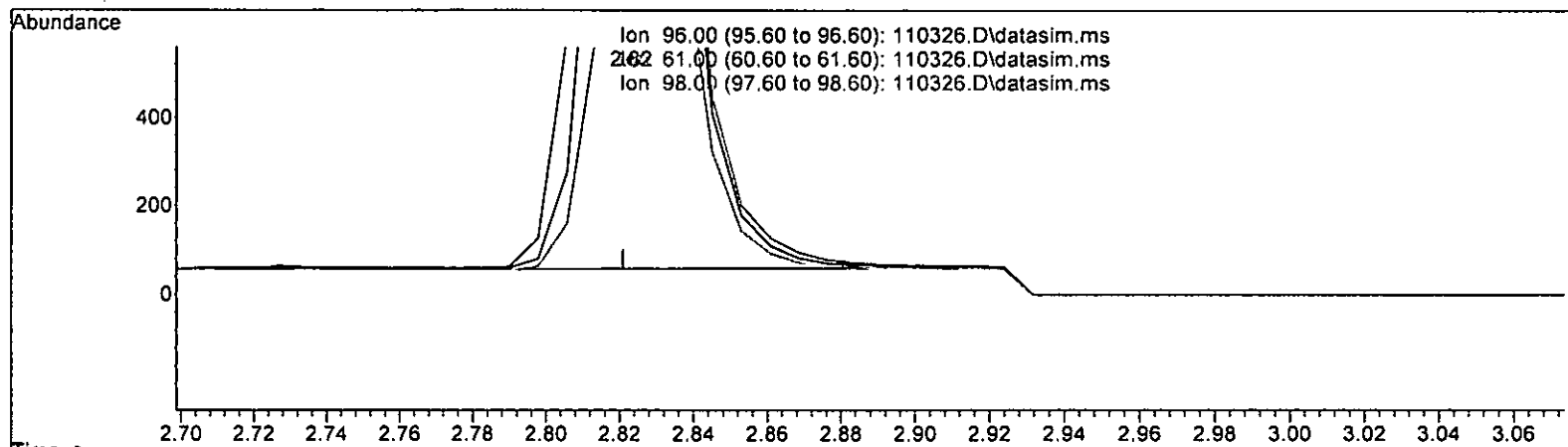
2.821min (+ 0.000) 2.273 ppb

response	3744	
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	138.60	161.04
98.00	66.00	61.32
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110326.D
 Acq On : 03 Nov 2022 04:24 pm
 Operator : LM
 Sample : 2 ppb 8260 ICAL 67-177L
 Misc : soil/water
 ALS Vial : 16 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 13:09:37 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M



TIC: 110326.D\data.ms

(17) trans-1,2-Dichloroethene (TMP)

2.821min (+ 0.000) 1.970 ppb m

response 3246

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	138.60	161.04
98.00	66.00	61.32
0.00	0.00	0.00

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110326.D
 Acq On : 03 Nov 2022 04:24 pm
 Operator : LM
 Sample : 2 ppb 8260 ICAL 67-177L
 Misc : soil/water
 ALS Vial : 16 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 13:09:37 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	4.63	96	55599	10.000	ppb	0.00	
39) Chlorobenzene-d5	7.27	117	39499	10.000	ppb	0.00	
56) 1,4-Dichlorobenzene-d4	9.48	152	23208	10.000	ppb	0.00	
System Monitoring Compounds							
3) Dibromofluoromethane	4.07	113	16519	10.492	ppb	0.00	
Spiked Amount	10.000		Range 50 - 150	Recovery	=	104.90%	
30) 1,2-Dichloroethane-d4	4.35	102	3615	10.319	ppb	0.00	
Spiked Amount	10.000		Range 79 - 128	Recovery	=	103.20%	
35) Toluene-d8	5.98	98	48034	9.733	ppb	0.00	
Spiked Amount	10.000		Range 84 - 121	Recovery	=	97.30%	
57) 4-Bromofluorobenzene	8.38	95	17068	9.834	ppb	0.00	
Spiked Amount	10.000		Range 84 - 116	Recovery	=	98.30%	
Target Compounds							
							Qvalue
2) Ethanol	0.00		0	N.D.			
4) Dichlorodifluoromethane	1.09	85	8639	2.014	ppb		93
5) Chloromethane	1.22	50	11622	2.231	ppb		99
6] Vinyl chloride	1.29	62	9443	2.027	ppb		93
7) Bromomethane	1.52	94	6248	2.291	ppb		93
8] Chloroethane	1.59	64	5051	2.161	ppb		93
9) Trichlorofluoromethane	1.77	101	10260	2.027	ppb		80
10) 2-Propanol	0.00		0	N.D.			
11) Acetone	2.26	58	2623	10.245	ppb		90
12] 1,1-Dichloroethene	2.18	96	3053	2.095	ppb		86
13) Hexane	3.05	57	4869	2.147	ppb		96
14) Methylene chloride	0.00		0	N.D.	d		
15) t-Butyl alcohol (TBA)	2.72	59	1844	9.780	ppb		93
16] Methyl t-butyl ether (...)	2.83	73	8150m	2.100	ppb		
17] trans-1,2-Dichloroethene	2.82	96	3246m	1.970	ppb		
18) Diisopropyl ether (DIPE)	3.24	45	9476	1.978	ppb		97
19] 1,1-Dichloroethane	3.18	63	5985	2.044	ppb		99
20) Ethyl t-butyl ether (E...)	3.54	87	3243	2.011	ppb		94
21) 2,2-Dichloropropane	3.66	77	4198	2.119	ppb		96
22] cis-1,2-Dichloroethene	3.67	96	3486	1.987	ppb		99
23) Chloroform	3.94	83	5952	2.156	ppb		99
24) 2-Butanone (MEK)	3.70	43	8391	8.857	ppb		92
25) t-Amyl methyl ether (T...)	4.49	73	7468	1.997	ppb		97
26] 1,2-Dichloroethane (EDC)	4.41	62	4164	1.998	ppb		100
27] 1,1,1-Trichloroethane	4.08	97	4894	2.056	ppb		98
28) 1,1-Dichloropropene	4.21	75	4087	2.122	ppb		85
29) Carbon tetrachloride	4.21	117	4254	2.057	ppb		94
31] Benzene	4.38	78	11561	2.032	ppb		98
32] Trichloroethene	4.93	95	3253	1.881	ppb		94
33) 1,2-Dichloropropane	5.13	63	3026	2.044	ppb	#	89
34) Bromodichloromethane	5.37	83	3504	1.975	ppb		93
36) Dibromomethane	5.23	93	1725	1.912	ppb		86

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110326.D
 Acq On : 03 Nov 2022 04:24 pm
 Operator : LM
 Sample : 2 ppb 8260 ICAL 67-177L
 Misc : soil/water
 ALS Vial : 16 Sample Multiplier: 1
 InstName : GCMS11

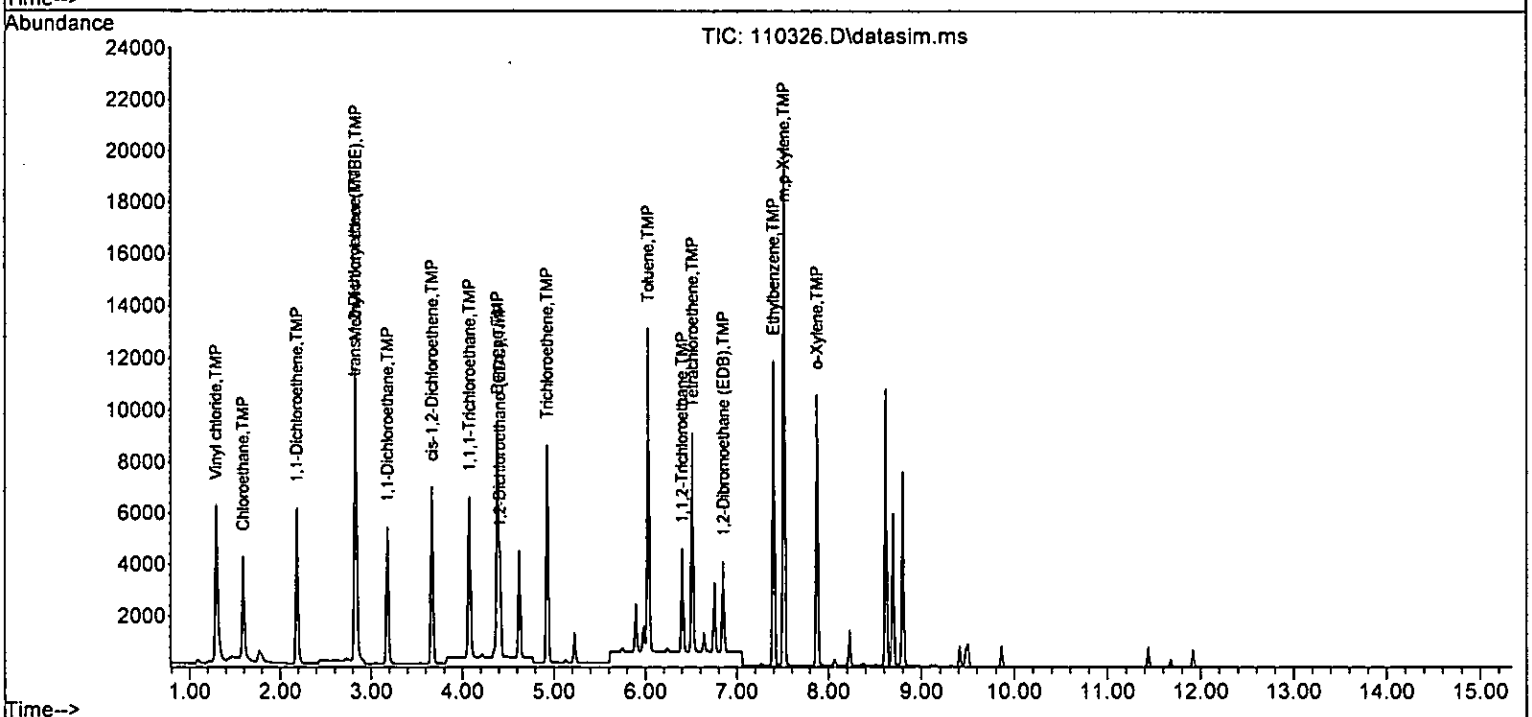
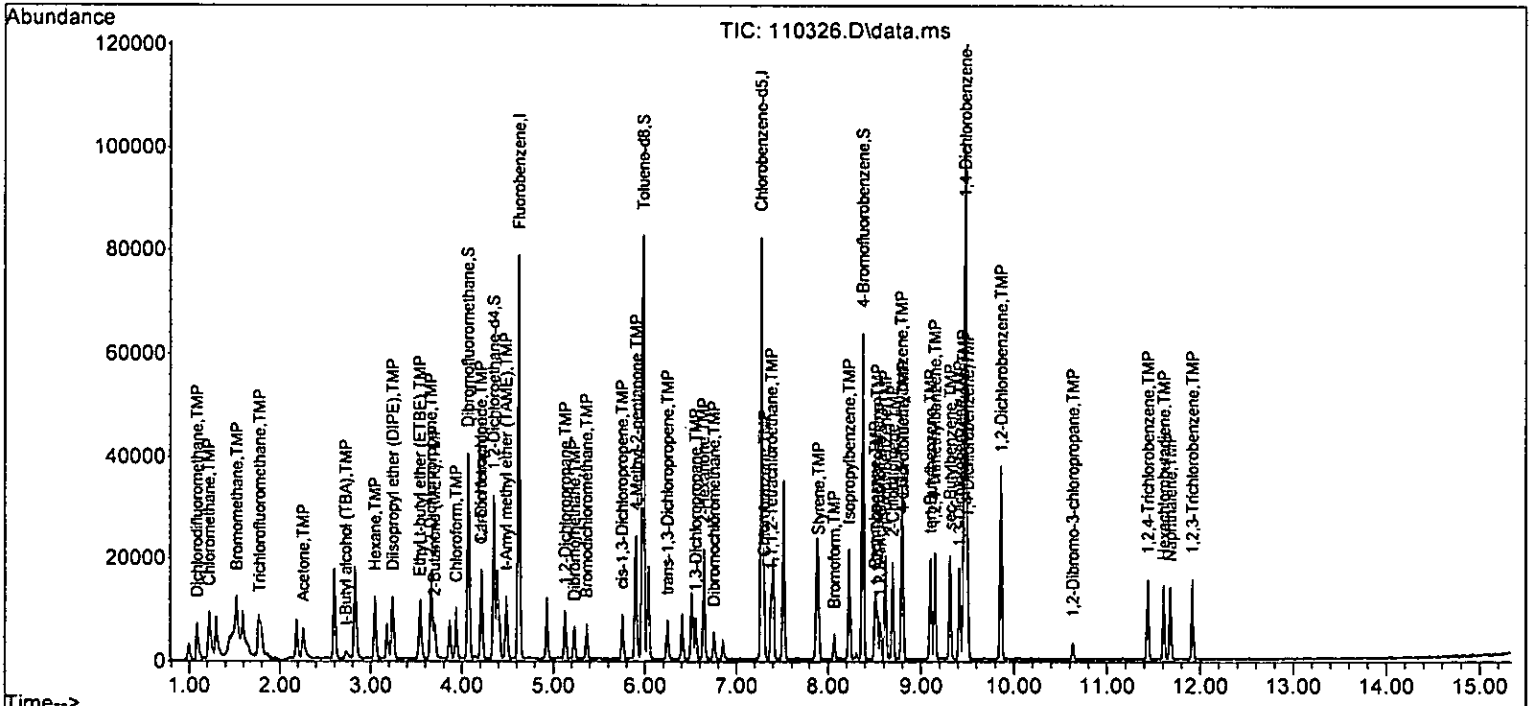
Quant Time: Nov 07 13:09:37 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	5.91	85	2267	8.998	ppb	# 62
38) cis-1,3-Dichloropropene	5.75	75	3861	1.910	ppb	94
40] Toluene	6.03	92	6597	1.922	ppb	94
41) trans-1,3-Dichloropropene	6.25	75	3037	1.896	ppb	95
42] 1,1,2-Trichloroethane	6.40	83	1948	2.062	ppb	88
43) 2-Hexanone	6.64	43	11456	10.822	ppb	95
44) 1,3-Dichloropropane	6.55	76	3364	1.981	ppb	99
45] Tetrachloroethene	6.51	164	2885	2.062	ppb	95
46) Dibromochloromethane	6.75	129	2560	1.884	ppb	89
47] 1,2-Dibromoethane (EDB)	6.85	107	2382	1.903	ppb	97
48) Chlorobenzene	7.30	112	7256	1.992	ppb	98
49] Ethylbenzene	7.40	91	12161	1.918	ppb	92
50) 1,1,1,2-Tetrachloroethane	7.38	131	2770	1.971	ppb	91
51] m,p-Xylene	7.51	106	9400	3.801	ppb	82
52] o-Xylene	7.88	106	4725	1.922	ppb	82
53) Styrene	7.90	104	7006	1.956	ppb	99
54) Isopropylbenzene	8.23	105	11754	1.906	ppb	96
55) Bromoform	8.07	173	1922	1.888	ppb	94
58) n-Propylbenzene	8.62	91	13484	1.919	ppb	92
59) Bromobenzene	8.51	156	3398	1.978	ppb	97
60) 1,3,5-Trimethylbenzene	8.79	105	10132	1.963	ppb	98
61) 1,1,2,2-Tetrachloroethane	8.53	83	3513	2.111	ppb	90
62) 1,2,3-Trichloropropane	8.56	75	2487	1.950	ppb	95
63) 2-Chlorotoluene	8.70	91	8280	1.952	ppb	91
64) 4-Chlorotoluene	8.81	91	9161	1.979	ppb	98
65) tert-Butylbenzene	9.10	119	8368	1.846	ppb	100
66) 1,2,4-Trimethylbenzene	9.15	105	9793	1.876	ppb	99
67) sec-Butylbenzene	9.31	105	12677	1.889	ppb	99
68) p-Isopropyltoluene	9.46	119	11166	1.923	ppb	98
69) 1,3-Dichlorobenzene	9.42	146	6529	1.962	ppb	95
70) 1,4-Dichlorobenzene	9.50	146	6690	2.016	ppb	91
71) 1,2-Dichlorobenzene	9.86	146	6842	2.064	ppb	94
72) 1,2-Dibromo-3-chloropr...	10.63	75	724	2.146	ppb	84
73) 1,2,4-Trichlorobenzene	11.44	180	4762	1.930	ppb	94
74) Hexachlorobutadiene	11.61	225	2790	1.930	ppb	88
75) Naphthalene	11.68	128	10091	1.841	ppb	99
76) 1,2,3-Trichlorobenzene	11.92	180	4283	1.870	ppb	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110326.D
 Acq On : 03 Nov 2022 04:24 pm
 Operator : LM
 Sample : 2 ppb 8260 ICAL 67-177L
 Misc : soil/water
 ALS Vial : 16 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 13:09:37 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M



Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110326.D
 Acq On : 03 Nov 2022 04:24 pm
 Operator : LM
 Sample : 2 ppb 8260 ICAL 67-177L
 Misc : soil/water
 ALS Vial : 16 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 13:09:37 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2 TMP	Ethanol	-1.000	0.000	0.0	0	-1.86#
3 S	Dibromofluoromethane	10.000	10.492	-4.9	100	0.00
4 TMP	Dichlorodifluoromethane	2.000	2.014	-0.7	100	0.00
5 TMP	Chloromethane	2.000	2.231	-11.5	100	0.00
6 TMP	Vinyl chloride	2.000	2.027	-1.4	103	0.00
7 TMP	Bromomethane	2.000	2.291	-14.5	109	0.00
8 TMP	Chloroethane	2.000	2.161	-8.1	103	0.00
9 TMP	Trichlorofluoromethane	2.000	2.027	-1.4	100	0.00
10 TMP	2-Propanol	-1.000	0.000	0.0	0	-2.43#
11 TMP	Acetone	10.000	10.245	-2.4	100	0.00
12 TMP	1,1-Dichloroethene	2.000	2.095	-4.8	105	0.00
13 TMP	Hexane	2.000	2.147	-7.3	100	0.00
14 TMP	Methylene chloride	-1.000	0.000	0.0	0	-2.60#
15 TMP	t-Butyl alcohol (TBA)	10.000	9.780	2.2	100	0.00
16 TMP	Methyl t-butyl ether (MTBE)	2.000	2.100	-5.0	101	0.00
17 TMP	trans-1,2-Dichloroethene	2.000	1.970	1.5	100	0.00
18 TMP	Diisopropyl ether (DIPE)	2.000	1.978	1.1	100	0.00
19 TMP	1,1-Dichloroethane	2.000	2.044	-2.2	100	0.00
20 TMP	Ethyl t-butyl ether (ETBE)	2.000	2.011	-0.6	100	0.00
21 TMP	2,2-Dichloropropane	2.000	2.119	-6.0	100	0.00
22 TMP	cis-1,2-Dichloroethene	2.000	1.987	0.6	100	0.00
23 TMP	Chloroform	2.000	2.156	-7.8	100	0.00
24 TMP	2-Butanone (MEK)	10.000	8.857	11.4	100	0.00
25 TMP	t-Amyl methyl ether (TAME)	2.000	1.997	0.1	100	0.00
26 TMP	1,2-Dichloroethane (EDC)	2.000	1.998	0.1	100	0.00
27 TMP	1,1,1-Trichloroethane	2.000	2.056	-2.8	100	0.00
28 TMP	1,1-Dichloropropene	2.000	2.122	-6.1	100	0.00
29 TMP	Carbon tetrachloride	2.000	2.057	-2.8	100	0.00
30 S	1,2-Dichloroethane-d4	10.000	10.319	-3.2	100	0.00
31 TMP	Benzene	2.000	2.032	-1.6	100	0.00
32 TMP	Trichloroethene	2.000	1.881	5.9	100	0.00
33 TMP	1,2-Dichloropropane	2.000	2.044	-2.2	100	0.00
34 TMP	Bromodichloromethane	2.000	1.975	1.2	100	0.00
35 S	Toluene-d8	10.000	9.733	2.7	100	0.00
36 TMP	Dibromomethane	2.000	1.912	4.4	100	0.00
37 TMP	4-Methyl-2-pentanone	10.000	8.998	10.0	100	0.00
38 TMP	cis-1,3-Dichloropropene	2.000	1.910	4.5	100	0.00
39 I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40 TMP	Toluene	2.000	1.922	3.9	100	0.00
41 TMP	trans-1,3-Dichloropropene	2.000	1.896	5.2	100	0.00
42 TMP	1,1,2-Trichloroethane	2.000	2.062	-3.1	100	0.00
43 TMP	2-Hexanone	10.000	10.822	-8.2	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110326.D
 Acq On : 03 Nov 2022 04:24 pm
 Operator : LM
 Sample : 2 ppb 8260 ICAL 67-177L
 Misc : soil/water
 ALS Vial : 16 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 13:09:37 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP 1,3-Dichloropropane	2.000	1.981	0.9	100	0.00
45	TMP Tetrachloroethene	2.000	2.062	-3.1	100	0.00
46	TMP Dibromochloromethane	2.000	1.884	5.8	100	0.00
47	TMP 1,2-Dibromoethane (EDB)	2.000	1.903	4.8	100	0.00
48	TMP Chlorobenzene	2.000	1.992	0.4	100	0.00
49	TMP Ethylbenzene	2.000	1.918	4.1	100	0.00
50	TMP 1,1,1,2-Tetrachloroethane	2.000	1.971	1.4	100	0.00
51	TMP m,p-Xylene	4.000	3.801	5.0	100	0.00
52	TMP o-Xylene	2.000	1.922	3.9	100	0.00
53	TMP Styrene	2.000	1.956	2.2	100	0.00
54	TMP Isopropylbenzene	2.000	1.906	4.7	100	0.00
55	TMP Bromoform	2.000	1.888	5.6	100	0.00
56	I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S 4-Bromofluorobenzene	10.000	9.834	1.7	100	0.00
58	TMP n-Propylbenzene	2.000	1.919	4.0	100	0.00
59	TMP Bromobenzene	2.000	1.978	1.1	100	0.00
60	TMP 1,3,5-Trimethylbenzene	2.000	1.963	1.8	100	0.00
61	TMP 1,1,2,2-Tetrachloroethane	2.000	2.111	-5.6	100	0.00
62	TMP 1,2,3-Trichloropropane	2.000	1.950	2.5	100	0.00
63	TMP 2-Chlorotoluene	2.000	1.952	2.4	100	0.00
64	TMP 4-Chlorotoluene	2.000	1.979	1.0	100	0.00
65	TMP tert-Butylbenzene	2.000	1.846	7.7	100	0.00
66	TMP 1,2,4-Trimethylbenzene	2.000	1.876	6.2	100	0.00
67	TMP sec-Butylbenzene	2.000	1.889	5.5	100	0.00
68	TMP p-Isopropyltoluene	2.000	1.923	3.8	100	0.00
69	TMP 1,3-Dichlorobenzene	2.000	1.962	1.9	100	0.00
70	TMP 1,4-Dichlorobenzene	2.000	2.016	-0.8	100	0.00
71	TMP 1,2-Dichlorobenzene	2.000	2.064	-3.2	100	0.00
72	TMP 1,2-Dibromo-3-chloropropane	2.000	2.146	-7.3	100	0.00
73	TMP 1,2,4-Trichlorobenzene	2.000	1.930	3.5	100	0.00
74	TMP Hexachlorobutadiene	2.000	1.930	3.5	100	0.00
75	TMP Naphthalene	2.000	1.841	8.0	100	0.00
76	TMP 1,2,3-Trichlorobenzene	2.000	1.870	6.5	100	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110326.D
 Acq On : 03 Nov 2022 04:24 pm
 Operator : LM
 Sample : 2 ppb 8260 ICAL 67-177L
 Misc : soil/water
 ALS Vial : 16 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 13:09:37 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2 TMP	Ethanol	0.000	0.000#	0.0	0#	-1.86#
3 S	Dibromofluoromethane	0.283	0.297	-4.9	100	0.00
4 TMP	Dichlorodifluoromethane	0.771	0.777	-0.8	100	0.00
5 TMP	Chloromethane	0.937	1.045	-11.5	100	0.00
6 TMP	Vinyl chloride	0.838	0.849	-1.3	103	0.00
7 TMP	Bromomethane	0.490	0.562	-14.7	109	0.00
8 TMP	Chloroethane	0.420	0.454	-8.1	103	0.00
9 TMP	Trichlorofluoromethane	0.910	0.923	-1.4	100	0.00
10 TMP	2-Propanol	0.000	0.000	0.0	0#	-2.43#
11 TMP	Acetone	0.046	0.047	-2.2	100	0.00
12 TMP	1,1-Dichloroethene	0.262	0.275	-5.0	105	0.00
13 TMP	Hexane	0.408	0.438	-7.4	100	0.00
14 TMP	Methylene chloride	0.307	0.000#	100.0#	0#	-2.60#
15 TMP	t-Butyl alcohol (TBA)	0.034	0.033	2.9	100	0.00
16 TMP	Methyl t-butyl ether (MTBE)	0.698	0.733	-5.0	101	0.00
17 TMP	trans-1,2-Dichloroethene	0.296	0.292	1.4	100	0.00
18 TMP	Diisopropyl ether (DIPE)	0.862	0.852	1.2	100	0.00
19 TMP	1,1-Dichloroethane	0.527	0.538	-2.1	100	0.00
20 TMP	Ethyl t-butyl ether (ETBE)	0.290	0.292	-0.7	100	0.00
21 TMP	2,2-Dichloropropane	0.356	0.378	-6.2	100	0.00
22 TMP	cis-1,2-Dichloroethene	0.316	0.313	0.9	100	0.00
23 TMP	Chloroform	0.496	0.535	-7.9	100	0.00
24 TMP	2-Butanone (MEK)	0.170	0.151	11.2	100	0.00
25 TMP	t-Amyl methyl ether (TAME)	0.673	0.672	0.1	100	0.00
26 TMP	1,2-Dichloroethane (EDC)	0.375	0.374	0.3	100	0.00
27 TMP	1,1,1-Trichloroethane	0.428	0.440	-2.8	100	0.00
28 TMP	1,1-Dichloropropene	0.346	0.368	-6.4	100	0.00
29 TMP	Carbon tetrachloride	0.372	0.383	-3.0	100	0.00
30 S	1,2-Dichloroethane-d4	0.063	0.065	-3.2	100	0.00
31 TMP	Benzene	1.078	1.040	3.5	100	0.00
32 TMP	Trichloroethene	0.311	0.293	5.8	100	0.00
33 TMP	1,2-Dichloropropane	0.266	0.272	-2.3	100	0.00
34 TMP	Bromodichloromethane	0.319	0.315	1.3	100	0.00
35 S	Toluene-d8	0.888	0.864	2.7	100	0.00
36 TMP	Dibromomethane	0.162	0.155	4.3	100	0.00
37 TMP	4-Methyl-2-pentanone	0.045	0.041	8.9	100	0.00
38 TMP	cis-1,3-Dichloropropene	0.364	0.347	4.7	100	0.00
39 I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40 TMP	Toluene	0.869	0.835	3.9	100	0.00
41 TMP	trans-1,3-Dichloropropene	0.405	0.384	5.2	100	0.00
42 TMP	1,1,2-Trichloroethane	0.260	0.247	5.0	100	0.00
43 TMP	2-Hexanone	0.268	0.290	-8.2	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110326.D
 Acq On : 03 Nov 2022 04:24 pm
 Operator : LM
 Sample : 2 ppb 8260 ICAL 67-177L
 Misc : soil/water
 ALS Vial : 16 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 13:09:37 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 13:03:08 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.430	0.426	0.9	100	0.00
45 TMP Tetrachloroethene	0.406	0.365	10.1	100	0.00
46 TMP Dibromochloromethane	0.344	0.324	5.8	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	0.317	0.302	4.7	100	0.00
48 TMP Chlorobenzene	0.922	0.919	0.3	100	0.00
49 TMP Ethylbenzene	1.605	1.539	4.1	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.356	0.351	1.4	100	0.00
51 TMP m,p-Xylene	0.626	0.595	5.0	100	0.00
52 TMP o-Xylene	0.622	0.598	3.9	100	0.00
53 TMP Styrene	0.907	0.887	2.2	100	0.00
54 TMP Isopropylbenzene	1.561	1.488	4.7	100	0.00
55 TMP Bromoform	0.258	0.243	5.8	100	0.00
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	0.748	0.735	1.7	100	0.00
58 TMP n-Propylbenzene	3.027	2.905	4.0	100	0.00
59 TMP Bromobenzene	0.740	0.732	1.1	100	0.00
60 TMP 1,3,5-Trimethylbenzene	2.224	2.183	1.8	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.717	0.757	-5.6	100	0.00
62 TMP 1,2,3-Trichloropropane	0.549	0.536	2.4	100	0.00
63 TMP 2-Chlorotoluene	1.828	1.784	2.4	100	0.00
64 TMP 4-Chlorotoluene	1.994	1.974	1.0	100	0.00
65 TMP tert-Butylbenzene	1.953	1.803	7.7	100	0.00
66 TMP 1,2,4-Trimethylbenzene	2.250	2.110	6.2	100	0.00
67 TMP sec-Butylbenzene	2.892	2.731	5.6	100	0.00
68 TMP p-Isopropyltoluene	2.502	2.406	3.8	100	0.00
69 TMP 1,3-Dichlorobenzene	1.434	1.407	1.9	100	0.00
70 TMP 1,4-Dichlorobenzene	1.430	1.441	-0.8	100	0.00
71 TMP 1,2-Dichlorobenzene	1.428	1.474	-3.2	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	0.145	0.156	-7.6	100	0.00
73 TMP 1,2,4-Trichlorobenzene	1.063	1.026	3.5	100	0.00
74 TMP Hexachlorobutadiene	0.623	0.601	3.5	100	0.00
75 TMP Naphthalene	2.362	2.174	8.0	100	0.00
76 TMP 1,2,3-Trichlorobenzene	0.987	0.923	6.5	100	0.00

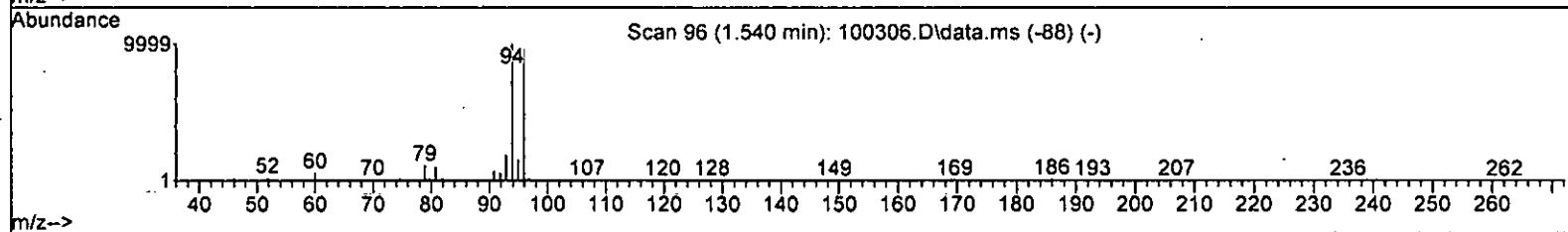
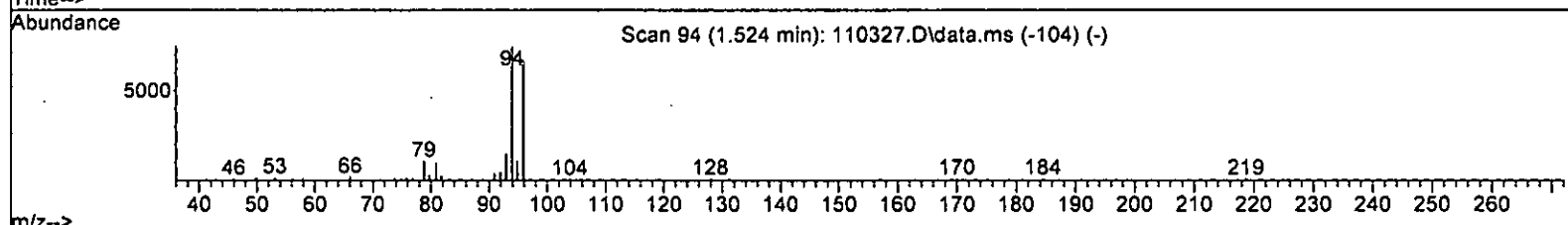
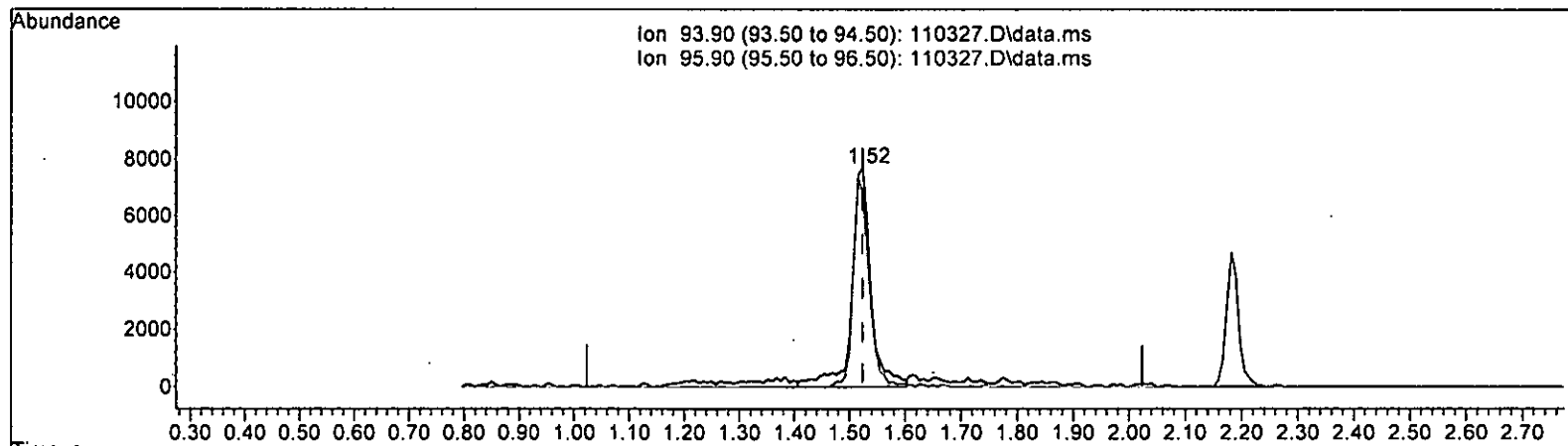
(#) = Out of Range

SPCC's out = 2 CCC's out = 0

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110327.D
 Acq On : 03 Nov 2022 04:46 pm
 Operator : LM
 Sample : 5 ppb 8260 ICAL 67-177M
 Misc : soil/water
 ALS Vial : 17 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 14:09:12 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 14:08:49 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M



TIC: 110327.D\data.ms

(7) Bromomethane (TMP)

1.524min (+ 0.000) 6.378 ppb

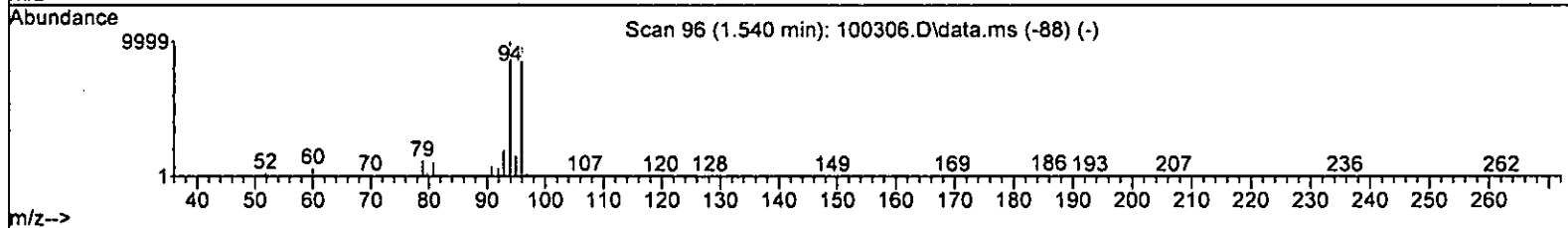
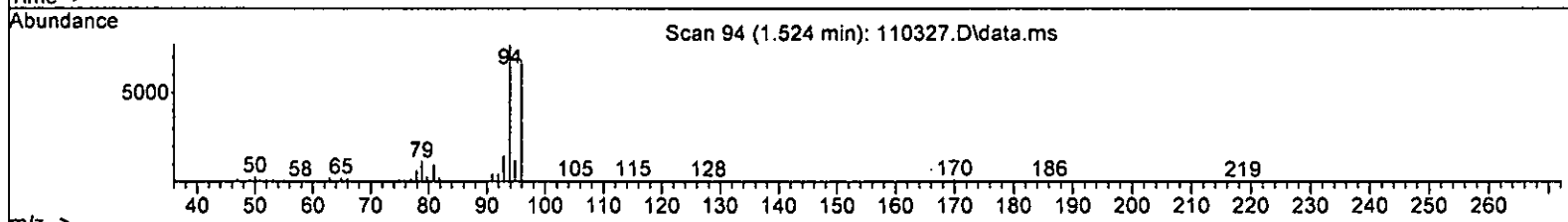
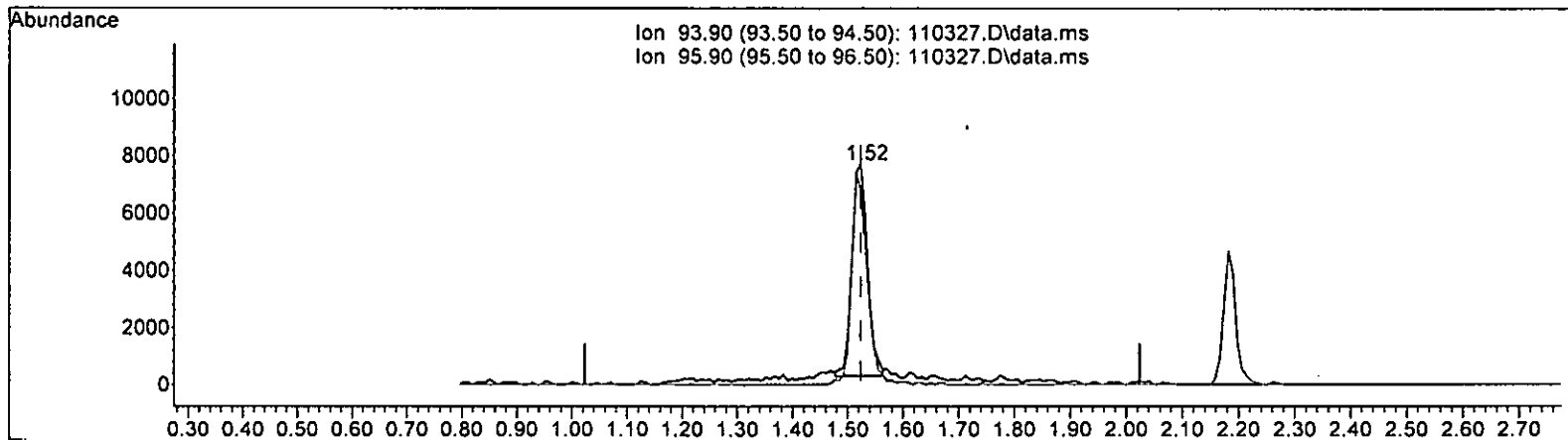
response 18254

Ion	Exp%	Act%
93.90	100.00	100.00
95.90	85.60	90.46
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110327.D
 Acq On : 03 Nov 2022 04:46 pm
 Operator : LM
 Sample : 5 ppb 8260 ICAL 67-177M
 Misc : soil/water
 ALS Vial : 17 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 14:09:12 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 14:08:49 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M



TIC: 110327.D\data.ms

(7) Bromomethane (TMP)

1.524min (+ 0.000) 5.018 ppb m

response	14360
Ion	Exp% Act%
93.90	100.00 100.00
95.90	85.60 88.55
0.00	0.00 0.00
0.00	0.00 0.00

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110327.D
 Acq On : 03 Nov 2022 04:46 pm
 Operator : LM
 Sample : 5 ppb 8260 ICAL 67-177M
 Misc : soil/water
 ALS Vial : 17 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 14:09:12 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 14:08:49 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	4.63	96	58345	10.000	ppb	0.00
39) Chlorobenzene-d5	7.27	117	43222	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	25178	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.07	113	16779	10.156	ppb	0.00
Spiked Amount	10.000	Range 50 - 150	Recovery	= 101.60%		
30) 1,2-Dichloroethane-d4	4.35	102	3641	9.904	ppb	0.00
Spiked Amount	10.000	Range 79 - 128	Recovery	= 99.00%		
35) Toluene-d8	5.98	98	53793	10.386	ppb	0.00
Spiked Amount	10.000	Range 84 - 121	Recovery	= 103.90%		
57) 4-Bromofluorobenzene	8.38	95	18640	9.900	ppb	0.00
Spiked Amount	10.000	Range 84 - 116	Recovery	= 99.00%		
Target Compounds						
2) Ethanol	1.85	45	68	No Calib	#	Qvalue
4) Dichlorodifluoromethane	1.09	85	22974	5.105	ppb	100
5) Chloromethane	1.22	50	27196	4.974	ppb	99
6] Vinyl chloride	1.29	62	24514	5.014	ppb	96
7) Bromomethane	1.52	94	14360m	5.018	ppb	
8] Chloroethane	1.59	64	12536	5.110	ppb	96
9) Trichlorofluoromethane	1.77	101	26593	5.006	ppb	95
10) 2-Propanol	2.39	45	237	No Calib		
11) Acetone	2.25	58	6601	24.570	ppb	# 82
12] 1,1-Dichloroethene	2.18	96	7667	5.014	ppb	99
13) Hexane	3.05	57	12104	5.086	ppb	97
14) Methylene chloride	2.60	84	11795	4.864	ppb	95
15) t-Butyl alcohol (TBA)	2.72	59	4802	24.269	ppb	90
16] Methyl t-butyl ether (...)	2.83	73	21302	5.231	ppb	95
17] trans-1,2-Dichloroethene	2.82	96	8696	5.030	ppb	91
18) Diisopropyl ether (DIPE)	3.24	45	24455	4.864	ppb	95
19] 1,1-Dichloroethane	3.17	63	16211	5.276	ppb	96
20) Ethyl t-butyl ether (E...)	3.54	87	8643	5.107	ppb	94
21) 2,2-Dichloropropane	3.66	77	10452	5.027	ppb	98
22] cis-1,2-Dichloroethene	3.66	96	8907	4.838	ppb	86
23) Chloroform	3.94	83	14098	4.867	ppb	100
24) 2-Butanone (MEK)	3.70	43	22252	22.382	ppb	96
25) t-Amyl methyl ether (T...)	4.49	73	19628	5.001	ppb	99
26] 1,2-Dichloroethane (EDC)	4.41	62	10749	4.915	ppb	99
27] 1,1,1-Trichloroethane	4.08	97	12513	5.010	ppb	99
28) 1,1-Dichloropropene	4.21	75	9969	4.931	ppb	93
29) Carbon tetrachloride	4.21	117	10813	4.981	ppb	97
31] Benzene	4.39	78	30542	5.151	ppb	98
32] Trichloroethene	4.93	95	8668	4.777	ppb	97
33) 1,2-Dichloropropane	5.13	63	8103	5.215	ppb	100
34) Bromodichloromethane	5.37	83	8954	4.809	ppb	99
36) Dibromomethane	5.22	93	4737	5.004	ppb	89

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110327.D
 Acq On : 03 Nov 2022 04:46 pm
 Operator : LM
 Sample : 5 ppb 8260 ICAL 67-177M
 Misc : soil/water
 ALS Vial : 17 Sample Multiplier: 1
 InstName : GCMS11

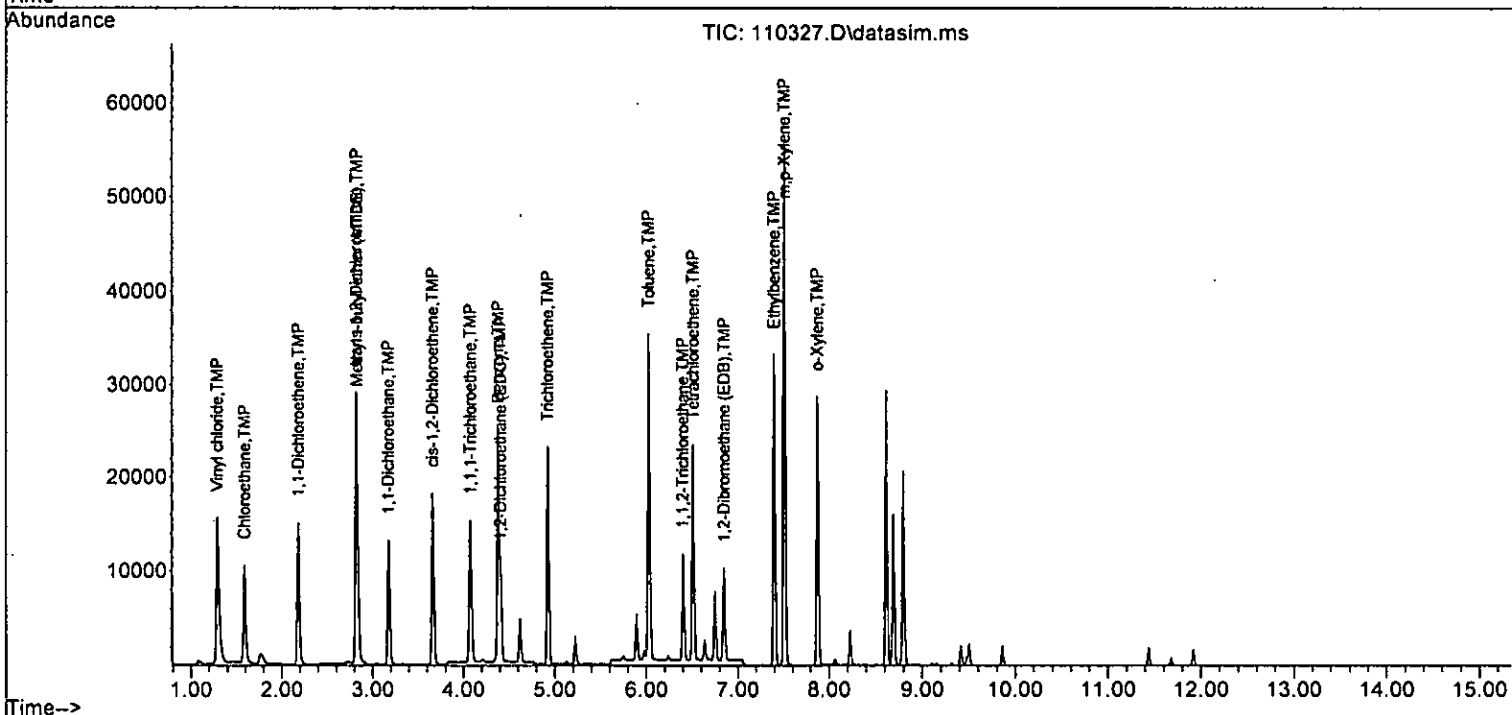
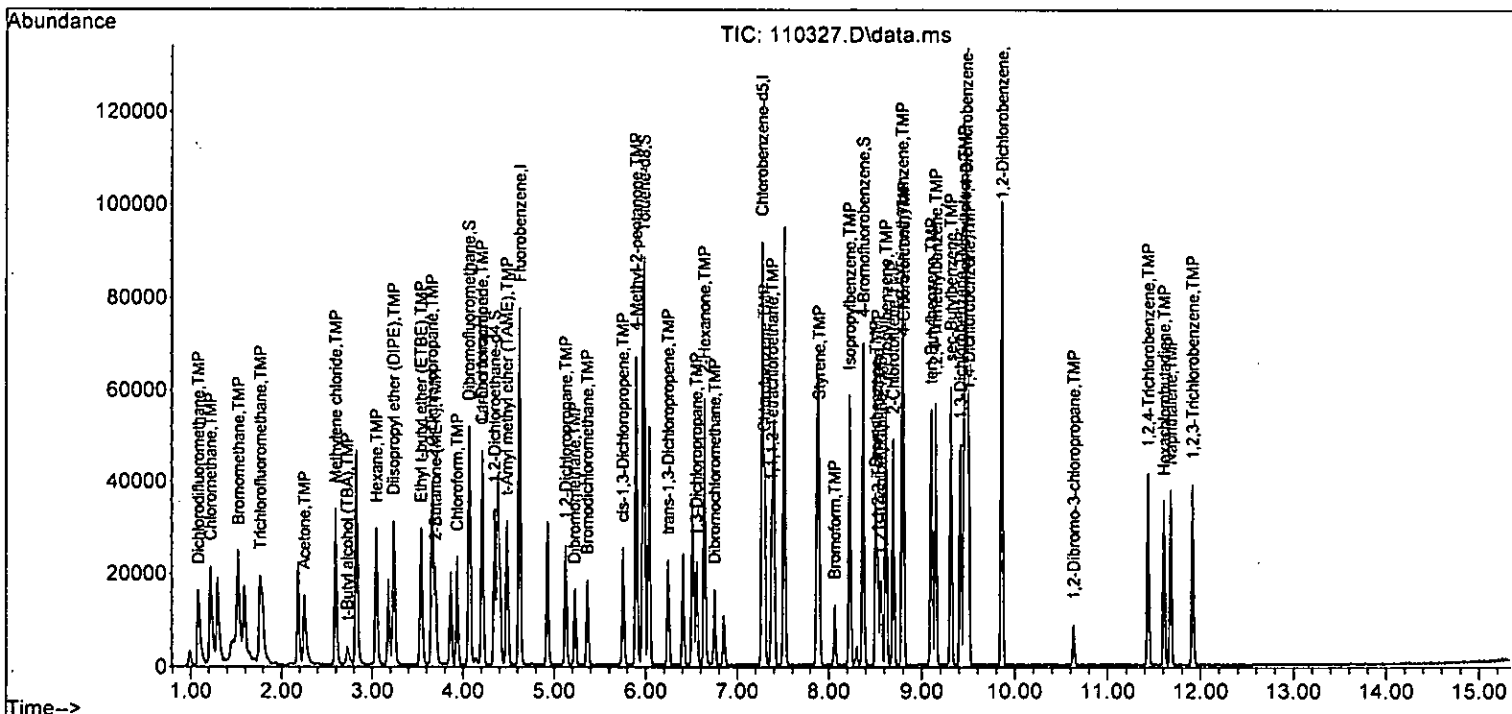
Quant Time: Nov 07 14:09:12 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 14:08:49 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	5.90	85	6835	25.852	ppb	91
38) cis-1,3-Dichloropropene	5.75	75	10164	4.791	ppb	94
40] Toluene	6.03	92	18020	4.798	ppb	92
41) trans-1,3-Dichloropropene	6.25	75	8377	4.780	ppb	94
42] 1,1,2-Trichloroethane	6.40	83	5440	5.313	ppb	89
43) 2-Hexanone	6.64	43	30198	26.071	ppb	96
44) 1,3-Dichloropropane	6.55	76	9665	5.202	ppb	96
45] Tetrachloroethene	6.51	164	7813	5.187	ppb	95
46) Dibromochloromethane	6.75	129	7166	4.818	ppb	95
47] 1,2-Dibromoethane (EDB)	6.85	107	6657	4.861	ppb	96
48) Chlorobenzene	7.30	112	19917	4.997	ppb	98
49] Ethylbenzene	7.40	91	33291	4.799	ppb	92
50) 1,1,1,2-Tetrachloroethane	7.38	131	7423	4.828	ppb	92
51] m,p-Xylene	7.51	106	25851	9.552	ppb	84
52] o-Xylene	7.88	106	12841	4.775	ppb	83
53) Styrene	7.90	104	18663	4.762	ppb	99
54) Isopropylbenzene	8.23	105	32683	4.844	ppb	99
55) Bromoform	8.07	173	5611	5.037	ppb	92
58) n-Propylbenzene	8.62	91	38189	5.010	ppb	98
59) Bromobenzene	8.51	156	9415	5.051	ppb	96
60) 1,3,5-Trimethylbenzene	8.79	105	27889	4.981	ppb	100
61) 1,1,2,2-Tetrachloroethane	8.53	83	9051	5.014	ppb	99
62) 1,2,3-Trichloropropane	8.56	75	6712	4.852	ppb	95
63) 2-Chlorotoluene	8.70	91	22765	4.946	ppb	97
64) 4-Chlorotoluene	8.81	91	25355	5.049	ppb	98
65) tert-Butylbenzene	9.10	119	24002	4.882	ppb	98
66) 1,2,4-Trimethylbenzene	9.15	105	27369	4.832	ppb	99
67) sec-Butylbenzene	9.31	105	35920	4.934	ppb	98
68) p-Isopropyltoluene	9.46	119	30684	4.871	ppb	99
69) 1,3-Dichlorobenzene	9.42	146	17838	4.941	ppb	95
70) 1,4-Dichlorobenzene	9.50	146	18063	5.017	ppb	93
71) 1,2-Dichlorobenzene	9.86	146	17504	4.867	ppb	99
72) 1,2-Dibromo-3-chloropr...	10.64	75	1805	4.932	ppb	92
73) 1,2,4-Trichlorobenzene	11.44	180	12554	4.691	ppb	99
74) Hexachlorobutadiene	11.61	225	7330	4.673	ppb	100
75) Naphthalene	11.68	128	26714	4.491	ppb	98
76) 1,2,3-Trichlorobenzene	11.92	180	11450	4.607	ppb	91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110327.D
 Acq On : 03 Nov 2022 04:46 pm
 Operator : LM
 Sample : 5 ppb 8260 ICAL 67-177M
 Misc : soil/water
 ALS Vial : 17 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 14:09:12 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 14:08:49 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M



Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110327.D
 Acq On : 03 Nov 2022 04:46 pm
 Operator : LM
 Sample : 5 ppb 8260 ICAL 67-177M
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 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 14:08:49 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I Fluorobenzene	10.000	10.000	0.0	100	0.00
2 TMP Ethanol	-1.000	0.000	0.0	0	0.00
3 S Dibromofluoromethane	10.000	10.156	-1.6	100	0.00
4 TMP Dichlorodifluoromethane	5.000	5.105	-2.1	100	0.00
5 TMP Chloromethane	5.000	4.974	0.5	100	0.00
6 TMP Vinyl chloride	5.000	5.014	-0.3	103	0.00
7 TMP Bromomethane	5.000	5.018	-0.4	99	0.00
8 TMP Chloroethane	5.000	5.110	-2.2	100	0.00
9 TMP Trichlorofluoromethane	5.000	5.006	-0.1	100	0.00
10 TMP 2-Propanol	-1.000	0.000	0.0	0	-0.05
11 TMP Acetone	25.000	24.570	1.7	100	0.00
12 TMP 1,1-Dichloroethene	5.000	5.014	-0.3	100	0.00
13 TMP Hexane	5.000	5.086	-1.7	100	0.00
14 TMP Methylene chloride	5.000	4.864	2.7	100	0.00
15 TMP t-Butyl alcohol (TBA)	25.000	24.269	2.9	100	0.00
16 TMP Methyl t-butyl ether (MTBE)	5.000	5.231	-4.6	103	0.00
17 TMP trans-1,2-Dichloroethene	5.000	5.030	-0.6	106	0.00
18 TMP Diisopropyl ether (DIPE)	5.000	4.864	2.7	100	0.00
19 TMP 1,1-Dichloroethane	5.000	5.276	-5.5	107	0.00
20 TMP Ethyl t-butyl ether (ETBE)	5.000	5.107	-2.1	100	0.00
21 TMP 2,2-Dichloropropane	5.000	5.027	-0.5	100	0.00
22 TMP cis-1,2-Dichloroethene	5.000	4.838	3.2	100	0.00
23 TMP Chloroform	5.000	4.867	2.7	100	0.00
24 TMP 2-Butanone (MEK)	25.000	22.382	10.5	100	0.00
25 TMP t-Amyl methyl ether (TAME)	5.000	5.001	-0.0	100	0.00
26 TMP 1,2-Dichloroethane (EDC)	5.000	4.915	1.7	100	0.00
27 TMP 1,1,1-Trichloroethane	5.000	5.010	-0.2	100	0.00
28 TMP 1,1-Dichloropropene	5.000	4.931	1.4	100	0.00
29 TMP Carbon tetrachloride	5.000	4.981	0.4	100	0.00
30 S 1,2-Dichloroethane-d4	10.000	9.904	1.0	100	0.00
31 TMP Benzene	5.000	5.151	-3.0	100	0.00
32 TMP Trichloroethene	5.000	4.777	4.5	100	0.00
33 TMP 1,2-Dichloropropane	5.000	5.215	-4.3	100	0.00
34 TMP Bromodichloromethane	5.000	4.809	3.8	100	0.00
35 S Toluene-d8	10.000	10.386	-3.9	100	0.00
36 TMP Dibromomethane	5.000	5.004	-0.1	100	0.00
37 TMP 4-Methyl-2-pentanone	25.000	25.852	-3.4	100	-0.01
38 TMP cis-1,3-Dichloropropene	5.000	4.791	4.2	100	0.00
39 I Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40 TMP Toluene	5.000	4.798	4.0	100	0.00
41 TMP trans-1,3-Dichloropropene	5.000	4.780	4.4	100	0.00
42 TMP 1,1,2-Trichloroethane	5.000	5.313	-6.3	100	0.00
43 TMP 2-Hexanone	25.000	26.071	-4.3	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110327.D
 Acq On : 03 Nov 2022 04:46 pm
 Operator : LM
 Sample : 5 ppb 8260 ICAL 67-177M
 Misc : soil/water
 ALS Vial : 17 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 14:09:12 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 14:08:49 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	5.000	5.202	-4.0	100	0.00
45 TMP Tetrachloroethene	5.000	5.187	-3.7	100	0.00
46 TMP Dibromochloromethane	5.000	4.818	3.6	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	5.000	4.861	2.8	100	0.00
48 TMP Chlorobenzene	5.000	4.997	0.1	100	0.00
49 TMP Ethylbenzene	5.000	4.799	4.0	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	5.000	4.828	3.4	100	0.00
51 TMP m,p-Xylene	10.000	9.552	4.5	100	0.00
52 TMP o-Xylene	5.000	4.775	4.5	100	0.00
53 TMP Styrene	5.000	4.762	4.8	100	0.00
54 TMP Isopropylbenzene	5.000	4.844	3.1	100	0.00
55 TMP Bromoform	5.000	5.037	-0.7	100	0.00
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	10.000	9.900	1.0	100	0.00
58 TMP n-Propylbenzene	5.000	5.010	-0.2	100	0.00
59 TMP Bromobenzene	5.000	5.051	-1.0	100	0.00
60 TMP 1,3,5-Trimethylbenzene	5.000	4.981	0.4	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	5.000	5.014	-0.3	100	0.00
62 TMP 1,2,3-Trichloropropane	5.000	4.852	3.0	100	0.00
63 TMP 2-Chlorotoluene	5.000	4.946	1.1	100	0.00
64 TMP 4-Chlorotoluene	5.000	5.049	-1.0	100	0.00
65 TMP tert-Butylbenzene	5.000	4.882	2.4	100	0.00
66 TMP 1,2,4-Trimethylbenzene	5.000	4.832	3.4	100	0.00
67 TMP sec-Butylbenzene	5.000	4.934	1.3	100	0.00
68 TMP p-Isopropyltoluene	5.000	4.871	2.6	100	0.00
69 TMP 1,3-Dichlorobenzene	5.000	4.941	1.2	100	0.00
70 TMP 1,4-Dichlorobenzene	5.000	5.017	-0.3	100	0.00
71 TMP 1,2-Dichlorobenzene	5.000	4.867	2.7	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	5.000	4.932	1.4	100	0.00
73 TMP 1,2,4-Trichlorobenzene	5.000	4.691	6.2	100	0.00
74 TMP Hexachlorobutadiene	5.000	4.673	6.5	100	0.00
75 TMP Naphthalene	5.000	4.491	10.2	100	0.00
76 TMP 1,2,3-Trichlorobenzene	5.000	4.607	7.9	100	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110327.D
 Acq On : 03 Nov 2022 04:46 pm
 Operator : LM
 Sample : 5 ppb 8260 ICAL 67-177M
 Misc : soil/water
 ALS Vial : 17 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 14:09:12 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 14:08:49 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2 TMP	Ethanol	0.000	0.000#	0.0	0#	0.00
3 S	Dibromofluoromethane	0.283	0.288	-1.8	100	0.00
4 TMP	Dichlorodifluoromethane	0.771	0.788	-2.2	100	0.00
5 TMP	Chloromethane	0.937	0.932	0.5	100	0.00
6 TMP	Vinyl chloride	0.838	0.840	-0.2	103	0.00
7 TMP	Bromomethane	0.490	0.492	-0.4	99	0.00
8 TMP	Chloroethane	0.420	0.430	-2.4	100	0.00
9 TMP	Trichlorofluoromethane	0.910	0.912	-0.2	100	0.00
10 TMP	2-Propanol	0.000	0.000	0.0	0#	-0.05
11 TMP	Acetone	0.046	0.045	2.2	100	0.00
12 TMP	1,1-Dichloroethene	0.262	0.263	-0.4	100	0.00
13 TMP	Hexane	0.408	0.415	-1.7	100	0.00
14 TMP	Methylene chloride	0.307	0.404	-31.6#	100	0.00
15 TMP	t-Butyl alcohol (TBA)	0.034	0.033	2.9	100	0.00
16 TMP	Methyl t-butyl ether (MTBE)	0.698	0.730	-4.6	103	0.00
17 TMP	trans-1,2-Dichloroethene	0.296	0.298	-0.7	106	0.00
18 TMP	Diisopropyl ether (DIPE)	0.862	0.838	2.8	100	0.00
19 TMP	1,1-Dichloroethane	0.527	0.556	-5.5	107	0.00
20 TMP	Ethyl t-butyl ether (ETBE)	0.290	0.296	-2.1	100	0.00
21 TMP	2,2-Dichloropropane	0.356	0.358	-0.6	100	0.00
22 TMP	cis-1,2-Dichloroethene	0.316	0.305	3.5	100	0.00
23 TMP	Chloroform	0.496	0.483	2.6	100	0.00
24 TMP	2-Butanone (MEK)	0.170	0.153	10.0	100	0.00
25 TMP	t-Amyl methyl ether (TAME)	0.673	0.673	0.0	100	0.00
26 TMP	1,2-Dichloroethane (EDC)	0.375	0.368	1.9	100	0.00
27 TMP	1,1,1-Trichloroethane	0.428	0.429	-0.2	100	0.00
28 TMP	1,1-Dichloropropene	0.346	0.342	1.2	100	0.00
29 TMP	Carbon tetrachloride	0.372	0.371	0.3	100	0.00
30 S	1,2-Dichloroethane-d4	0.063	0.062	1.6	100	0.00
31 TMP	Benzene	1.078	1.047	2.9	100	0.00
32 TMP	Trichloroethene	0.311	0.297	4.5	100	0.00
33 TMP	1,2-Dichloropropane	0.266	0.278	-4.5	100	0.00
34 TMP	Bromodichloromethane	0.319	0.307	3.8	100	0.00
35 S	Toluene-d8	0.888	0.922	-3.8	100	0.00
36 TMP	Dibromomethane	0.162	0.162	0.0	100	0.00
37 TMP	4-Methyl-2-pentanone	0.045	0.047	-4.4	100	-0.01
38 TMP	cis-1,3-Dichloropropene	0.364	0.348	4.4	100	0.00
39 I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40 TMP	Toluene	0.869	0.834	4.0	100	0.00
41 TMP	trans-1,3-Dichloropropene	0.405	0.388	4.2	100	0.00
42 TMP	1,1,2-Trichloroethane	0.260	0.252	3.1	100	0.00
43 TMP	2-Hexanone	0.268	0.279	-4.1	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110327.D
 Acq On : 03 Nov 2022 04:46 pm
 Operator : LM
 Sample : 5 ppb 8260 ICAL 67-177M
 Misc : soil/water
 ALS Vial : 17 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 14:09:12 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 14:08:49 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.430	0.447	-4.0	100	0.00
45 TMP Tetrachloroethene	0.406	0.362	10.8	100	0.00
46 TMP Dibromochloromethane	0.344	0.332	3.5	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	0.317	0.308	2.8	100	0.00
48 TMP Chlorobenzene	0.922	0.922	0.0	100	0.00
49 TMP Ethylbenzene	1.605	1.540	4.0	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.356	0.343	3.7	100	0.00
51 TMP m,p-Xylene	0.626	0.598	4.5	100	0.00
52 TMP o-Xylene	0.622	0.594	4.5	100	0.00
53 TMP Styrene	0.907	0.864	4.7	100	0.00
54 TMP Isopropylbenzene	1.561	1.512	3.1	100	0.00
55 TMP Bromoform	0.258	0.260	-0.8	100	0.00
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	0.748	0.740	1.1	100	0.00
58 TMP n-Propylbenzene	3.027	3.034	-0.2	100	0.00
59 TMP Bromobenzene	0.740	0.748	-1.1	100	0.00
60 TMP 1,3,5-Trimethylbenzene	2.224	2.215	0.4	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.717	0.719	-0.3	100	0.00
62 TMP 1,2,3-Trichloropropane	0.549	0.533	2.9	100	0.00
63 TMP 2-Chlorotoluene	1.828	1.808	1.1	100	0.00
64 TMP 4-Chlorotoluene	1.994	2.014	-1.0	100	0.00
65 TMP tert-Butylbenzene	1.953	1.907	2.4	100	0.00
66 TMP 1,2,4-Trimethylbenzene	2.250	2.174	3.4	100	0.00
67 TMP sec-Butylbenzene	2.892	2.853	1.3	100	0.00
68 TMP p-Isopropyltoluene	2.502	2.437	2.6	100	0.00
69 TMP 1,3-Dichlorobenzene	1.434	1.417	1.2	100	0.00
70 TMP 1,4-Dichlorobenzene	1.430	1.435	-0.3	100	0.00
71 TMP 1,2-Dichlorobenzene	1.428	1.390	2.7	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	0.145	0.143	1.4	100	0.00
73 TMP 1,2,4-Trichlorobenzene	1.063	0.997	6.2	100	0.00
74 TMP Hexachlorobutadiene	0.623	0.582	6.6	100	0.00
75 TMP Naphthalene	2.362	2.122	10.2	100	0.00
76 TMP 1,2,3-Trichlorobenzene	0.987	0.910	7.8	100	0.00

(#) = Out of Range

SPCC's out = 1 CCC's out = 0

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110328.D
 Acq On : 03 Nov 2022 05:09 pm
 Operator : LM
 Sample : 10 ppb 8260 ICAL 67-177N
 Misc : soil/water
 ALS Vial : 18 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 14:09:14 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 14:08:49 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	4.63	96	58418	10.000	ppb	0.00
39) Chlorobenzene-d5	7.27	117	43335	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	24970	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.07	113	16315	9.863	ppb	0.00
Spiked Amount	10.000	Range 50 - 150	Recovery =	98.60%		
30) 1,2-Dichloroethane-d4	4.35	102	3747	10.180	ppb	0.00
Spiked Amount	10.000	Range 79 - 128	Recovery =	101.80%		
35) Toluene-d8	5.98	98	53458	10.309	ppb	0.00
Spiked Amount	10.000	Range 84 - 121	Recovery =	103.10%		
57) 4-Bromofluorobenzene	8.38	95	18592	9.956	ppb	0.00
Spiked Amount	10.000	Range 84 - 116	Recovery =	99.60%		
Target Compounds						
2) Ethanol	0.00		0	N.D.		Qvalue
4) Dichlorodifluoromethane	1.09	85	46276	10.270	ppb	88
5) Chloromethane	1.22	50	52607	9.610	ppb	99
6] Vinyl chloride	1.29	62	48768	9.962	ppb	94
7) Bromomethane	1.52	94	28120	9.814	ppb	89
8] Chloroethane	1.59	64	24735	10.070	ppb	96
9) Trichlorofluoromethane	1.77	101	52281	9.830	ppb	91
10) 2-Propanol	0.00		0	N.D.		
11) Acetone	2.25	58	13190	49.034	ppb	98
12] 1,1-Dichloroethene	2.18	96	15014	9.806	ppb	96
13) Hexane	3.05	57	23814	9.993	ppb	94
14) Methylene chloride	2.60	84	19182	9.516	ppb	95
15) t-Butyl alcohol (TBA)	2.72	59	9561	48.260	ppb	96
16] Methyl t-butyl ether (...)	2.83	73	42037	10.310	ppb	96
17] trans-1,2-Dichloroethene	2.82	96	17008	9.825	ppb	89
18) Diisopropyl ether (DIPE)	3.23	45	54175	10.762	ppb	97
19] 1,1-Dichloroethane	3.17	63	31407	10.209	ppb	95
20) Ethyl t-butyl ether (E...)	3.54	87	16652	9.828	ppb	98
21) 2,2-Dichloropropane	3.66	77	19916	9.566	ppb	100
22] cis-1,2-Dichloroethene	3.66	96	18471	10.021	ppb	85
23) Chloroform	3.94	83	27740	9.564	ppb	99
24) 2-Butanone (MEK)	3.70	43	50690	50.922	ppb	95
25) t-Amyl methyl ether (T...)	4.49	73	38696	9.847	ppb	98
26] 1,2-Dichloroethane (EDC)	4.41	62	21515	9.825	ppb	99
27] 1,1,1-Trichloroethane	4.08	97	24962	9.981	ppb	100
28) 1,1-Dichloropropene	4.22	75	20013	9.887	ppb	99
29) Carbon tetrachloride	4.21	117	21619	9.947	ppb	94
31] Benzene	4.38	78	61297	10.356	ppb	97
32] Trichloroethene	4.93	95	17388	9.571	ppb	97
33) 1,2-Dichloropropane	5.13	63	15871	10.201	ppb	98
34) Bromodichloromethane	5.37	83	18545	9.947	ppb	90
36) Dibromomethane	5.23	93	9711	10.245	ppb	95

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110328.D
 Acq On : 03 Nov 2022 05:09 pm
 Operator : LM
 Sample : 10 ppb 8260 ICAL 67-177N
 Misc : soil/water
 ALS Vial : 18 Sample Multiplier: 1
 InstName : GCMS11

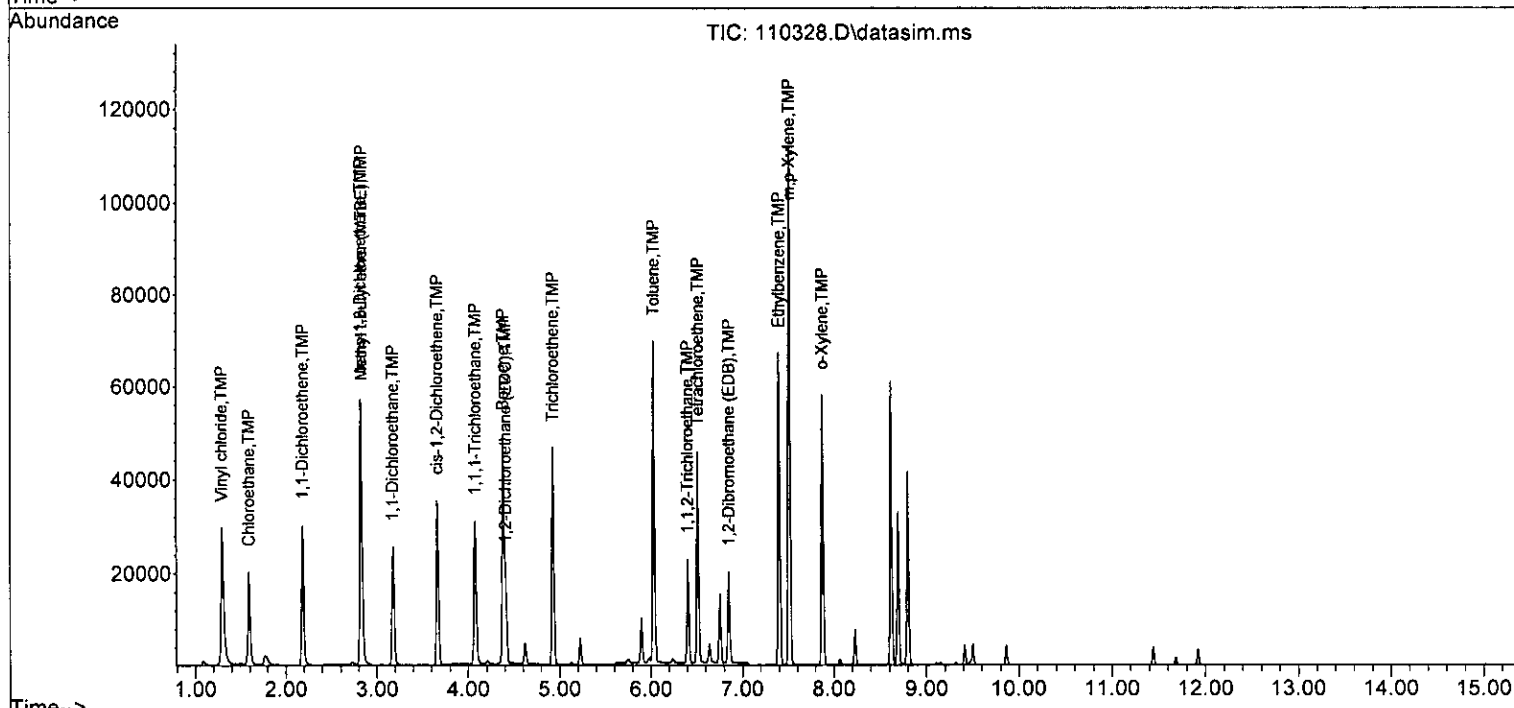
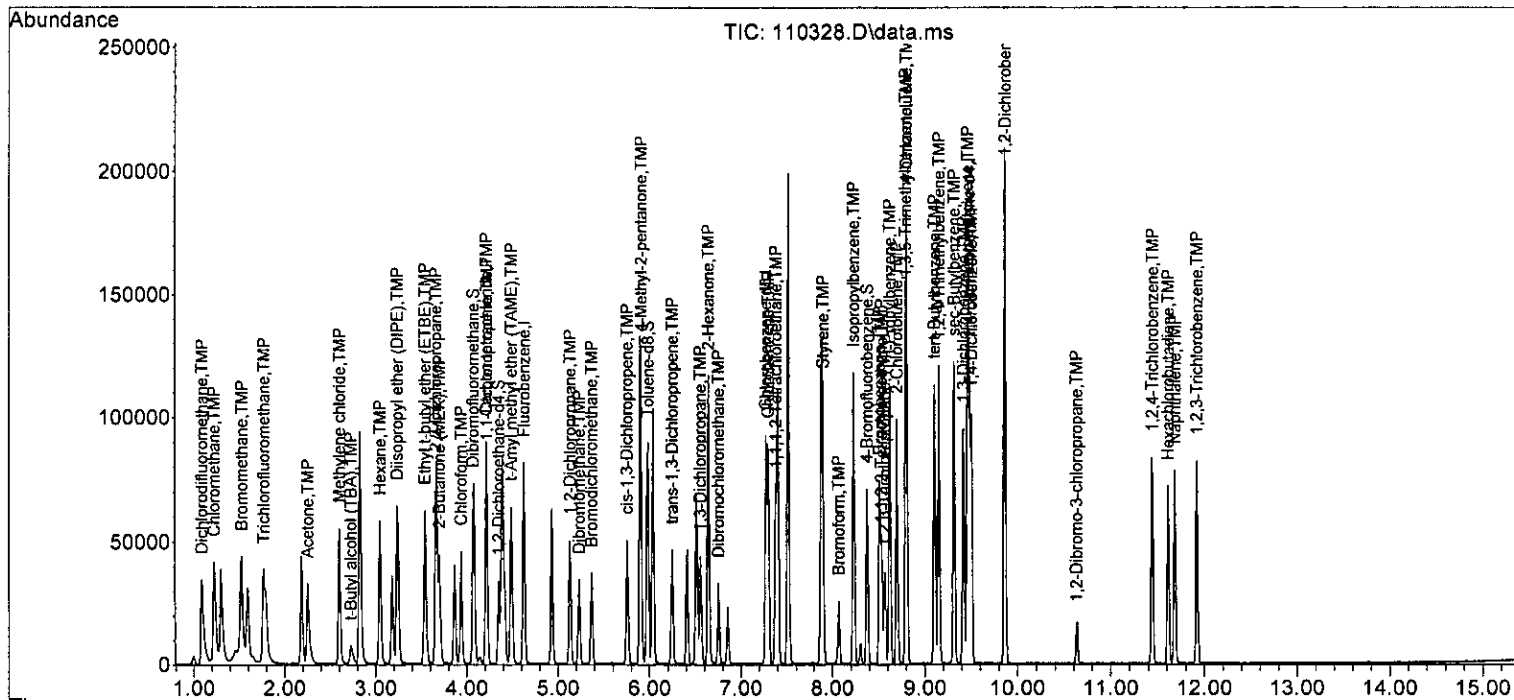
Quant Time: Nov 07 14:09:14 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 14:08:49 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	5.91	85	13289	50.201	ppb	93
38) cis-1,3-Dichloropropene	5.75	75	20160	9.491	ppb	97
40) Toluene	6.03	92	36825	9.780	ppb	93
41) trans-1,3-Dichloropropene	6.25	75	17874	10.173	ppb	96
42) 1,1,2-Trichloroethane	6.40	83	11025	10.776	ppb	89
43) 2-Hexanone	6.64	43	62258	53.609	ppb	98
44) 1,3-Dichloropropane	6.55	76	19349	10.387	ppb	99
45) Tetrachloroethene	6.51	164	15641	10.425	ppb	95
46) Dibromochloromethane	6.75	129	14721	9.873	ppb	92
47) 1,2-Dibromoethane (EDB)	6.85	107	13659	9.949	ppb	97
48) Chlorobenzene	7.29	112	40317	10.089	ppb	97
49) Ethylbenzene	7.40	91	67484	9.703	ppb	92
50) 1,1,1,2-Tetrachloroethane	7.38	131	15096	9.792	ppb	97
51) m,p-Xylene	7.51	106	52974	19.523	ppb	84
52) o-Xylene	7.88	106	26196	9.715	ppb	81
53) Styrene	7.90	104	39789	10.126	ppb	94
54) Isopropylbenzene	8.23	105	67179	9.931	ppb	99
55) Bromoform	8.07	173	10676	9.558	ppb	95
58) n-Propylbenzene	8.62	91	78190	10.343	ppb	99
59) Bromobenzene	8.51	156	18783	10.161	ppb	90
60) 1,3,5-Trimethylbenzene	8.79	105	56264	10.132	ppb	99
61) 1,1,2,2-Tetrachloroethane	8.53	83	17873	9.983	ppb	98
62) 1,2,3-Trichloropropane	8.56	75	13696	9.983	ppb	93
63) 2-Chlorotoluene	8.70	91	46133	10.107	ppb	97
64) 4-Chlorotoluene	8.80	91	53079	10.658	ppb	92
65) tert-Butylbenzene	9.10	119	49051	10.060	ppb	98
66) 1,2,4-Trimethylbenzene	9.15	105	56191	10.003	ppb	99
67) sec-Butylbenzene	9.31	105	74295	10.290	ppb	97
68) p-Isopropyltoluene	9.46	119	62186	9.954	ppb	98
69) 1,3-Dichlorobenzene	9.42	146	36224	10.117	ppb	98
70) 1,4-Dichlorobenzene	9.50	146	35475	9.935	ppb	96
71) 1,2-Dichlorobenzene	9.86	146	35505	9.954	ppb	97
72) 1,2-Dibromo-3-chloropr...	10.63	75	3526	9.714	ppb	88
73) 1,2,4-Trichlorobenzene	11.44	180	25363	9.556	ppb	100
74) Hexachlorobutadiene	11.61	225	14752	9.483	ppb	98
75) Naphthalene	11.68	128	56070	9.505	ppb	99
76) 1,2,3-Trichlorobenzene	11.92	180	23961	9.721	ppb	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110328.D
 Acq On : 03 Nov 2022 05:09 pm
 Operator : LM
 Sample : 10 ppb 8260 ICAL 67-177N
 Misc : soil/water
 ALS Vial : 18 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 14:09:14 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 14:08:49 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M



Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110328.D
 Acq On : 03 Nov 2022 05:09 pm
 Operator : LM
 Sample : 10 ppb 8260 ICAL 67-177N
 Misc : soil/water
 ALS Vial : 18 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 14:09:14 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 14:08:49 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I Fluorobenzene	10.000	10.000	0.0	100	0.00
2 TMP Ethanol	-1.000	0.000	0.0	0	-1.86#
3 S Dibromofluoromethane	10.000	9.863	1.4	100	0.00
4 TMP Dichlorodifluoromethane	10.000	10.270	-2.7	100	0.00
5 TMP Chloromethane	10.000	9.610	3.9	100	0.00
6 TMP Vinyl chloride	10.000	9.962	0.4	100	0.00
7 TMP Bromomethane	10.000	9.814	1.9	100	0.00
8 TMP Chloroethane	10.000	10.070	-0.7	100	0.00
9 TMP Trichlorofluoromethane	10.000	9.830	1.7	100	0.00
10 TMP 2-Propanol	-1.000	0.000	0.0	0	-2.43#
11 TMP Acetone	50.000	49.034	1.9	100	0.00
12 TMP 1,1-Dichloroethene	10.000	9.806	1.9	100	0.00
13 TMP Hexane	10.000	9.993	0.1	100	0.00
14 TMP Methylene chloride	10.000	9.516	4.8	100	0.00
15 TMP t-Butyl alcohol (TBA)	50.000	48.260	3.5	100	0.00
16 TMP Methyl t-butyl ether (MTBE)	10.000	10.310	-3.1	100	0.00
17 TMP trans-1,2-Dichloroethene	10.000	9.825	1.8	100	0.00
18 TMP Diisopropyl ether (DIPE)	10.000	10.762	-7.6	100	0.00
19 TMP 1,1-Dichloroethane	10.000	10.209	-2.1	100	0.00
20 TMP Ethyl t-butyl ether (ETBE)	10.000	9.828	1.7	100	0.00
21 TMP 2,2-Dichloropropane	10.000	9.566	4.3	100	0.00
22 TMP cis-1,2-Dichloroethene	10.000	10.021	-0.2	100	0.00
23 TMP Chloroform	10.000	9.564	4.4	100	0.00
24 TMP 2-Butanone (MEK)	50.000	50.922	-1.8	100	0.00
25 TMP t-Amyl methyl ether (TAME)	10.000	9.847	1.5	100	0.00
26 TMP 1,2-Dichloroethane (EDC)	10.000	9.825	1.8	100	0.00
27 TMP 1,1,1-Trichloroethane	10.000	9.981	0.2	100	0.00
28 TMP 1,1-Dichloropropene	10.000	9.887	1.1	100	0.00
29 TMP Carbon tetrachloride	10.000	9.947	0.5	100	0.00
30 S 1,2-Dichloroethane-d4	10.000	10.180	-1.8	100	0.00
31 TMP Benzene	10.000	10.356	-3.6	100	0.00
32 TMP Trichloroethene	10.000	9.571	4.3	100	0.00
33 TMP 1,2-Dichloropropane	10.000	10.201	-2.0	100	0.00
34 TMP Bromodichloromethane	10.000	9.947	0.5	100	0.00
35 S Toluene-d8	10.000	10.309	-3.1	100	0.00
36 TMP Dibromomethane	10.000	10.245	-2.4	100	0.00
37 TMP 4-Methyl-2-pentanone	50.000	50.201	-0.4	100	0.00
38 TMP cis-1,3-Dichloropropene	10.000	9.491	5.1	100	0.00
39 I Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40 TMP Toluene	10.000	9.780	2.2	100	0.00
41 TMP trans-1,3-Dichloropropene	10.000	10.173	-1.7	100	0.00
42 TMP 1,1,2-Trichloroethane	10.000	10.776	-7.8	100	0.00
43 TMP 2-Hexanone	50.000	53.609	-7.2	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110328.D
 Acq On : 03 Nov 2022 05:09 pm
 Operator : LM
 Sample : 10 ppb 8260 ICAL 67-177N
 Misc : soil/water
 ALS Vial : 18 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 14:09:14 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 14:08:49 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	10.000	10.387	-3.9	100	0.00
45 TMP Tetrachloroethene	10.000	10.425	-4.3	100	0.00
46 TMP Dibromochloromethane	10.000	9.873	1.3	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	10.000	9.949	0.5	100	0.00
48 TMP Chlorobenzene	10.000	10.089	-0.9	100	0.00
49 TMP Ethylbenzene	10.000	9.703	3.0	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	10.000	9.792	2.1	100	0.00
51 TMP m,p-Xylene	20.000	19.523	2.4	100	0.00
52 TMP o-Xylene	10.000	9.715	2.9	100	0.00
53 TMP Styrene	10.000	10.126	-1.3	100	0.00
54 TMP Isopropylbenzene	10.000	9.931	0.7	100	0.00
55 TMP Bromoform	10.000	9.558	4.4	100	0.00
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	10.000	9.956	0.4	100	0.00
58 TMP n-Propylbenzene	10.000	10.343	-3.4	100	0.00
59 TMP Bromobenzene	10.000	10.161	-1.6	100	0.00
60 TMP 1,3,5-Trimethylbenzene	10.000	10.132	-1.3	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	10.000	9.983	0.2	100	0.00
62 TMP 1,2,3-Trichloropropane	10.000	9.983	0.2	100	0.00
63 TMP 2-Chlorotoluene	10.000	10.107	-1.1	100	0.00
64 TMP 4-Chlorotoluene	10.000	10.658	-6.6	100	0.00
65 TMP tert-Butylbenzene	10.000	10.060	-0.6	100	0.00
66 TMP 1,2,4-Trimethylbenzene	10.000	10.003	-0.0	100	0.00
67 TMP sec-Butylbenzene	10.000	10.290	-2.9	100	0.00
68 TMP p-Isopropyltoluene	10.000	9.954	0.5	100	0.00
69 TMP 1,3-Dichlorobenzene	10.000	10.117	-1.2	100	0.00
70 TMP 1,4-Dichlorobenzene	10.000	9.935	0.6	100	0.00
71 TMP 1,2-Dichlorobenzene	10.000	9.954	0.5	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	10.000	9.714	2.9	100	0.00
73 TMP 1,2,4-Trichlorobenzene	10.000	9.556	4.4	100	0.00
74 TMP Hexachlorobutadiene	10.000	9.483	5.2	100	0.00
75 TMP Naphthalene	10.000	9.505	4.9	100	0.00
76 TMP 1,2,3-Trichlorobenzene	10.000	9.721	2.8	100	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110328.D
 Acq On : 03 Nov 2022 05:09 pm
 Operator : LM
 Sample : 10 ppb 8260 ICAL 67-177N
 Misc : soil/water
 ALS Vial : 18 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 14:09:14 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 14:08:49 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2 TMP	Ethanol	0.000	0.000#	0.0	0#	-1.86#
3 S	Dibromofluoromethane	0.283	0.279	1.4	100	0.00
4 TMP	Dichlorodifluoromethane	0.771	0.792	-2.7	100	0.00
5 TMP	Chloromethane	0.937	0.901	3.8	100	0.00
6 TMP	Vinyl chloride	0.838	0.835	0.4	100	0.00
7 TMP	Bromomethane	0.490	0.481	1.8	100	0.00
8 TMP	Chloroethane	0.420	0.423	-0.7	100	0.00
9 TMP	Trichlorofluoromethane	0.910	0.895	1.6	100	0.00
10 TMP	2-Propanol	0.000	0.000	0.0	0#	-2.43#
11 TMP	Acetone	0.046	0.045	2.2	100	0.00
12 TMP	1,1-Dichloroethene	0.262	0.257	1.9	100	0.00
13 TMP	Hexane	0.408	0.408	0.0	100	0.00
14 TMP	Methylene chloride	0.307	0.328	-6.8	100	0.00
15 TMP	t-Butyl alcohol (TBA)	0.034	0.033	2.9	100	0.00
16 TMP	Methyl t-butyl ether (MTBE)	0.698	0.720	-3.2	100	0.00
17 TMP	trans-1,2-Dichloroethene	0.296	0.291	1.7	100	0.00
18 TMP	Diisopropyl ether (DIPE)	0.862	0.927	-7.5	100	0.00
19 TMP	1,1-Dichloroethane	0.527	0.538	-2.1	100	0.00
20 TMP	Ethyl t-butyl ether (ETBE)	0.290	0.285	1.7	100	0.00
21 TMP	2,2-Dichloropropane	0.356	0.341	4.2	100	0.00
22 TMP	cis-1,2-Dichloroethene	0.316	0.316	0.0	100	0.00
23 TMP	Chloroform	0.496	0.475	4.2	100	0.00
24 TMP	2-Butanone (MEK)	0.170	0.174	-2.4	100	0.00
25 TMP	t-Amyl methyl ether (TAME)	0.673	0.662	1.6	100	0.00
26 TMP	1,2-Dichloroethane (EDC)	0.375	0.368	1.9	100	0.00
27 TMP	1,1,1-Trichloroethane	0.428	0.427	0.2	100	0.00
28 TMP	1,1-Dichloropropene	0.346	0.343	0.9	100	0.00
29 TMP	Carbon tetrachloride	0.372	0.370	0.5	100	0.00
30 S	1,2-Dichloroethane-d4	0.063	0.064	-1.6	100	0.00
31 TMP	Benzene	1.078	1.049	2.7	100	0.00
32 TMP	Trichloroethene	0.311	0.298	4.2	100	0.00
33 TMP	1,2-Dichloropropane	0.266	0.272	-2.3	100	0.00
34 TMP	Bromodichloromethane	0.319	0.317	0.6	100	0.00
35 S	Toluene-d8	0.888	0.915	-3.0	100	0.00
36 TMP	Dibromomethane	0.162	0.166	-2.5	100	0.00
37 TMP	4-Methyl-2-pentanone	0.045	0.045	0.0	100	0.00
38 TMP	cis-1,3-Dichloropropene	0.364	0.345	5.2	100	0.00
39 I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40 TMP	Toluene	0.869	0.850	2.2	100	0.00
41 TMP	trans-1,3-Dichloropropene	0.405	0.412	-1.7	100	0.00
42 TMP	1,1,2-Trichloroethane	0.260	0.254	2.3	100	0.00
43 TMP	2-Hexanone	0.268	0.287	-7.1	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110328.D
 Acq On : 03 Nov 2022 05:09 pm
 Operator : LM
 Sample : 10 ppb 8260 ICAL 67-177N
 Misc : soil/water
 ALS Vial : 18 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 14:09:14 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 14:08:49 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.430	0.446	-3.7	100	0.00
45 TMP Tetrachloroethene	0.406	0.361	11.1	100	0.00
46 TMP Dibromochloromethane	0.344	0.340	1.2	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	0.317	0.315	0.6	100	0.00
48 TMP Chlorobenzene	0.922	0.930	-0.9	100	0.00
49 TMP Ethylbenzene	1.605	1.557	3.0	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.356	0.348	2.2	100	0.00
51 TMP m,p-Xylene	0.626	0.611	2.4	100	0.00
52 TMP o-Xylene	0.622	0.604	2.9	100	0.00
53 TMP Styrene	0.907	0.918	-1.2	100	0.00
54 TMP Isopropylbenzene	1.561	1.550	0.7	100	0.00
55 TMP Bromoform	0.258	0.246	4.7	100	0.00
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	0.748	0.745	0.4	100	0.00
58 TMP n-Propylbenzene	3.027	3.131	-3.4	100	0.00
59 TMP Bromobenzene	0.740	0.752	-1.6	100	0.00
60 TMP 1,3,5-Trimethylbenzene	2.224	2.253	-1.3	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.717	0.716	0.1	100	0.00
62 TMP 1,2,3-Trichloropropane	0.549	0.548	0.2	100	0.00
63 TMP 2-Chlorotoluene	1.828	1.848	-1.1	100	0.00
64 TMP 4-Chlorotoluene	1.994	2.126	-6.6	100	0.00
65 TMP tert-Butylbenzene	1.953	1.964	-0.6	100	0.00
66 TMP 1,2,4-Trimethylbenzene	2.250	2.250	0.0	100	0.00
67 TMP sec-Butylbenzene	2.892	2.975	-2.9	100	0.00
68 TMP p-Isopropyltoluene	2.502	2.490	0.5	100	0.00
69 TMP 1,3-Dichlorobenzene	1.434	1.451	-1.2	100	0.00
70 TMP 1,4-Dichlorobenzene	1.430	1.421	0.6	100	0.00
71 TMP 1,2-Dichlorobenzene	1.428	1.422	0.4	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	0.145	0.141	2.8	100	0.00
73 TMP 1,2,4-Trichlorobenzene	1.063	1.016	4.4	100	0.00
74 TMP Hexachlorobutadiene	0.623	0.591	5.1	100	0.00
75 TMP Naphthalene	2.362	2.245	5.0	100	0.00
76 TMP 1,2,3-Trichlorobenzene	0.987	0.960	2.7	100	0.00

(#) = Out of Range

SPCC's out = 1 CCC's out = 0

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110329.D
 Acq On : 03 Nov 2022 05:31 pm
 Operator : LM
 Sample : 20 ppb 8260 ICAL 67-1770
 Misc : soil/water
 ALS Vial : 19 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 14:09:16 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 14:08:49 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	4.63	96	55034	10.000	ppb	0.00
39) Chlorobenzene-d5	7.27	117	40247	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	23886	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.08	113	16051	10.300	ppb	0.00
Spiked Amount	10.000	Range 50 - 150	Recovery	=	103.00%	
30) 1,2-Dichloroethane-d4	4.36	102	3608	10.405	ppb	0.00
Spiked Amount	10.000	Range 79 - 128	Recovery	=	104.00%	
35) Toluene-d8	5.98	98	48895	10.009	ppb	0.00
Spiked Amount	10.000	Range 84 - 121	Recovery	=	100.10%	
57) 4-Bromofluorobenzene	8.38	95	17652	9.882	ppb	0.00
Spiked Amount	10.000	Range 84 - 116	Recovery	=	98.80%	
Target Compounds						
2) Ethanol	0.00		0	N.D.		Qvalue
4) Dichlorodifluoromethane	1.09	85	89414	21.064	ppb	98
5) Chloromethane	1.23	50	100870	19.560	ppb	95
6] Vinyl chloride	1.31	62	94407	20.470	ppb	99
7) Bromomethane	1.53	94	58780	21.775	ppb	90
8] Chloroethane	1.60	64	47577	20.561	ppb	99
9) Trichlorofluoromethane	1.77	101	102704	20.498	ppb	94
10) 2-Propanol	2.39	45	78	No Calib		
11) Acetone	2.26	58	25419	100.305	ppb	98
12] 1,1-Dichloroethene	2.20	96	28852	20.002	ppb	91
13) Hexane	3.05	57	44087	19.638	ppb	97
14) Methylene chloride	2.61	84	35090	20.952	ppb	97
15) t-Butyl alcohol (TBA)	2.73	59	19342	103.633	ppb	99
16] Methyl t-butyl ether (...)	2.84	73	81587	21.241	ppb	95
17] trans-1,2-Dichloroethene	2.83	96	32316	19.817	ppb	85
18) Diisopropyl ether (DIPE)	3.24	45	94420	19.910	ppb	96
19] 1,1-Dichloroethane	3.18	63	59561	20.552	ppb	95
20) Ethyl t-butyl ether (E...)	3.55	87	33324	20.877	ppb	98
21) 2,2-Dichloropropane	3.67	77	38710	19.737	ppb	99
22] cis-1,2-Dichloroethene	3.67	96	35253	20.302	ppb	88
23) Chloroform	3.95	83	52840	19.338	ppb	99
24) 2-Butanone (MEK)	3.70	43	92696	98.846	ppb	97
25) t-Amyl methyl ether (T...)	4.49	73	75139	20.297	ppb	99
26] 1,2-Dichloroethane (EDC)	4.42	62	39956	19.368	ppb	96
27] 1,1,1-Trichloroethane	4.08	97	48518	20.593	ppb	93
28) 1,1-Dichloropropene	4.22	75	37576	19.706	ppb	98
29) Carbon tetrachloride	4.22	117	40602	19.830	ppb	98
31] Benzene	4.39	78	114344	20.567	ppb	98
32] Trichloroethene	4.93	95	32234	18.834	ppb	85
33) 1,2-Dichloropropane	5.13	63	29129	19.873	ppb	100
34) Bromodichloromethane	5.37	83	33955	19.333	ppb	96
36) Dibromomethane	5.23	93	17838	19.976	ppb	98

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110329.D
 Acq On : 03 Nov 2022 05:31 pm
 Operator : LM
 Sample : 20 ppb 8260 ICAL 67-1770
 Misc : soil/water
 ALS Vial : 19 Sample Multiplier: 1
 InstName : GCMS11

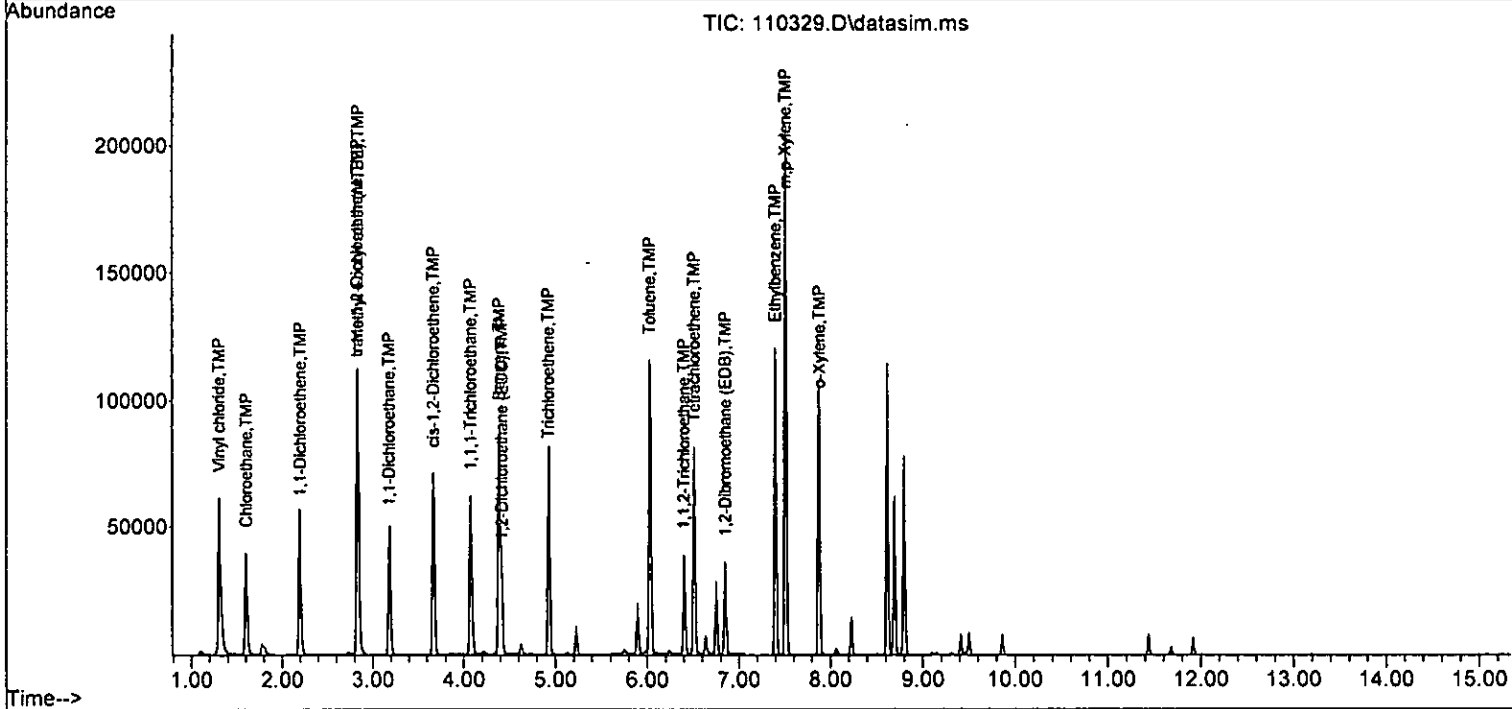
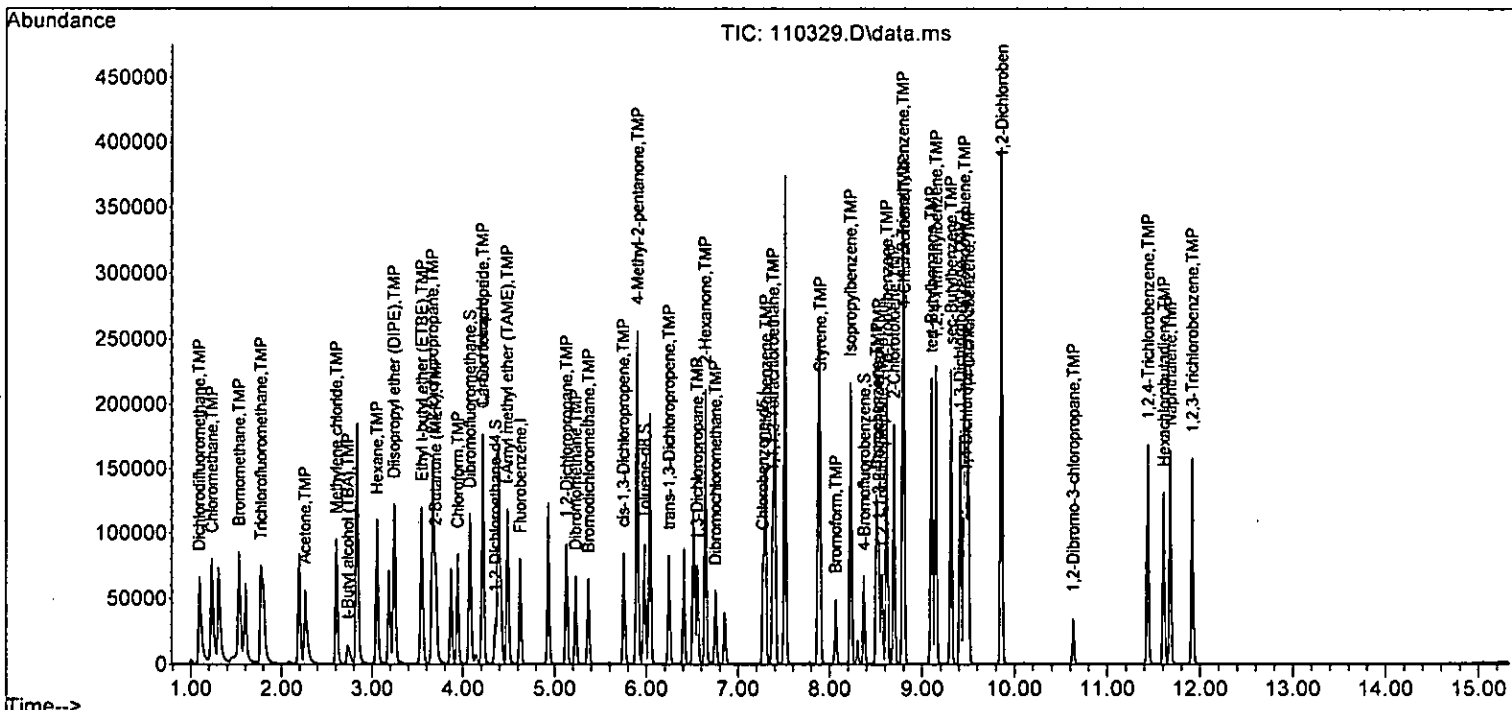
Quant Time: Nov 07 14:09:16 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 14:08:49 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	5.91	85	24991	100.212	ppb	91
38) cis-1,3-Dichloropropene	5.75	75	37571	18.776	ppb	99
40] Toluene	6.03	92	67028	19.167	ppb	91
41) trans-1,3-Dichloropropene	6.25	75	32245	19.759	ppb	100
42] 1,1,2-Trichloroethane	6.40	83	19700	20.782	ppb	93
43) 2-Hexanone	6.64	43	109939	101.929	ppb	96
44) 1,3-Dichloropropane	6.55	76	34182	19.758	ppb	99
45] Tetrachloroethene	6.51	164	28195	20.334	ppb	96
46) Dibromochloromethane	6.75	129	26996	19.494	ppb	96
47] 1,2-Dibromoethane (EDB)	6.85	107	24119	18.915	ppb	98
48) Chlorobenzene	7.30	112	73144	19.709	ppb	97
49] Ethylbenzene	7.40	91	125229	19.387	ppb	91
50) 1,1,1,2-Tetrachloroethane	7.38	131	28436	19.861	ppb	98
51] m,p-Xylene	7.51	106	98203	38.968	ppb	82
52] o-Xylene	7.88	106	49425	19.736	ppb	88
53) Styrene	7.90	104	74445	20.400	ppb	93
54) Isopropylbenzene	8.23	105	128308	20.422	ppb	100
55) Bromoform	8.07	173	20041	19.319	ppb	99
58) n-Propylbenzene	8.62	91	145669	20.145	ppb	98
59) Bromobenzene	8.51	156	34186	19.334	ppb	99
60) 1,3,5-Trimethylbenzene	8.79	105	107079	20.159	ppb	96
61) 1,1,2,2-Tetrachloroethane	8.53	83	34028	19.868	ppb	98
62) 1,2,3-Trichloropropane	8.57	75	25601	19.507	ppb	98
63) 2-Chlorotoluene	8.70	91	85769	19.643	ppb	100
64) 4-Chlorotoluene	8.81	91	96951	20.351	ppb	93
65) tert-Butylbenzene	9.10	119	92498	19.831	ppb	99
66) 1,2,4-Trimethylbenzene	9.15	105	108878	20.262	ppb	98
67) sec-Butylbenzene	9.31	105	139794	20.240	ppb	96
68) p-Isopropyltoluene	9.46	119	121189	20.280	ppb	98
69) 1,3-Dichlorobenzene	9.41	146	66840	19.515	ppb	99
70) 1,4-Dichlorobenzene	9.50	146	66723	19.534	ppb	95
71) 1,2-Dichlorobenzene	9.86	146	67251	19.710	ppb	98
72) 1,2-Dibromo-3-chloropr...	10.63	75	6705	19.311	ppb	93
73) 1,2,4-Trichlorobenzene	11.44	180	50342	19.828	ppb	98
74) Hexachlorobutadiene	11.61	225	27829	18.702	ppb	97
75) Naphthalene	11.68	128	113450	20.106	ppb	99
76) 1,2,3-Trichlorobenzene	11.92	180	46894	19.889	ppb	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110329.D
 Acq On : 03 Nov 2022 05:31 pm
 Operator : LM
 Sample : 20 ppb 8260 ICAL 67-1770
 Misc : soil/water
 ALS Vial : 19 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 14:09:16 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 14:08:49 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M



Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110329.D
 Acq On : 03 Nov 2022 05:31 pm
 Operator : LM
 Sample : 20 ppb 8260 ICAL 67-1770
 Misc : soil/water
 ALS Vial : 19 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 14:09:16 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 14:08:49 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2 TMP	Ethanol	-1.000	0.000	0.0	0	-1.86#
3 S	Dibromofluoromethane	10.000	10.300	-3.0	100	0.00
4 TMP	Dichlorodifluoromethane	20.000	21.064	-5.3	100	0.00
5 TMP	Chloromethane	20.000	19.560	2.2	100	0.02
6 TMP	Vinyl chloride	20.000	20.470	-2.3	100	0.02
7 TMP	Bromomethane	20.000	21.775	-8.9	100	0.00
8 TMP	Chloroethane	20.000	20.561	-2.8	100	0.02
9 TMP	Trichlorofluoromethane	20.000	20.498	-2.5	100	0.00
10 TMP	2-Propanol	-1.000	0.000	0.0	0	-0.04
11 TMP	Acetone	100.000	100.305	-0.3	100	0.00
12 TMP	1,1-Dichloroethene	20.000	20.002	-0.0	100	0.02
13 TMP	Hexane	20.000	19.638	1.8	100	0.00
14 TMP	Methylene chloride	20.000	20.952	-4.8	100	0.00
15 TMP	t-Butyl alcohol (TBA)	100.000	103.633	-3.6	100	0.00
16 TMP	Methyl t-butyl ether (MTBE)	20.000	21.241	-6.2	100	0.00
17 TMP	trans-1,2-Dichloroethene	20.000	19.817	0.9	100	0.00
18 TMP	Diisopropyl ether (DIPE)	20.000	19.910	0.4	100	0.00
19 TMP	1,1-Dichloroethane	20.000	20.552	-2.8	100	0.00
20 TMP	Ethyl t-butyl ether (ETBE)	20.000	20.877	-4.4	100	0.00
21 TMP	2,2-Dichloropropane	20.000	19.737	1.3	100	0.00
22 TMP	cis-1,2-Dichloroethene	20.000	20.302	-1.5	100	0.00
23 TMP	Chloroform	20.000	19.338	3.3	100	0.00
24 TMP	2-Butanone (MEK)	100.000	98.846	1.2	100	0.00
25 TMP	t-Amyl methyl ether (TAME)	20.000	20.297	-1.5	100	0.00
26 TMP	1,2-Dichloroethane (EDC)	20.000	19.368	3.2	100	0.00
27 TMP	1,1,1-Trichloroethane	20.000	20.593	-3.0	100	0.00
28 TMP	1,1-Dichloropropene	20.000	19.706	1.5	100	0.00
29 TMP	Carbon tetrachloride	20.000	19.830	0.9	100	0.00
30 S	1,2-Dichloroethane-d4	10.000	10.405	-4.0	100	0.00
31 TMP	Benzene	20.000	20.567	-2.8	100	0.00
32 TMP	Trichloroethene	20.000	18.834	5.8	100	0.00
33 TMP	1,2-Dichloropropane	20.000	19.873	0.6	100	0.00
34 TMP	Bromodichloromethane	20.000	19.333	3.3	100	0.00
35 S	Toluene-d8	10.000	10.009	-0.1	100	0.00
36 TMP	Dibromomethane	20.000	19.976	0.1	100	0.00
37 TMP	4-Methyl-2-pentanone	100.000	100.212	-0.2	100	0.00
38 TMP	cis-1,3-Dichloropropene	20.000	18.776	6.1	100	0.00
39 I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40 TMP	Toluene	20.000	19.167	4.2	100	0.00
41 TMP	trans-1,3-Dichloropropene	20.000	19.759	1.2	100	0.00
42 TMP	1,1,2-Trichloroethane	20.000	20.782	-3.9	100	0.00
43 TMP	2-Hexanone	100.000	101.929	-1.9	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110329.D
 Acq On : 03 Nov 2022 05:31 pm
 Operator : LM
 Sample : 20 ppb 8260 ICAL 67-1770
 Misc : soil/water
 ALS Vial : 19 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 14:09:16 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 14:08:49 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	20.000	19.758	1.2	100	0.00
45 TMP Tetrachloroethene	20.000	20.334	-1.7	100	0.00
46 TMP Dibromochloromethane	20.000	19.494	2.5	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	20.000	18.915	5.4	100	0.00
48 TMP Chlorobenzene	20.000	19.709	1.5	100	0.00
49 TMP Ethylbenzene	20.000	19.387	3.1	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	20.000	19.861	0.7	100	0.00
51 TMP m,p-Xylene	40.000	38.968	2.6	100	0.00
52 TMP o-Xylene	20.000	19.736	1.3	100	0.00
53 TMP Styrene	20.000	20.400	-2.0	100	0.00
54 TMP Isopropylbenzene	20.000	20.422	-2.1	100	0.00
55 TMP Bromoform	20.000	19.319	3.4	100	0.00
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	10.000	9.882	1.2	100	0.00
58 TMP n-Propylbenzene	20.000	20.145	-0.7	100	0.00
59 TMP Bromobenzene	20.000	19.334	3.3	100	0.00
60 TMP 1,3,5-Trimethylbenzene	20.000	20.159	-0.8	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	20.000	19.868	0.7	100	0.00
62 TMP 1,2,3-Trichloropropane	20.000	19.507	2.5	100	0.00
63 TMP 2-Chlorotoluene	20.000	19.643	1.8	100	0.00
64 TMP 4-Chlorotoluene	20.000	20.351	-1.8	100	0.00
65 TMP tert-Butylbenzene	20.000	19.831	0.8	100	0.00
66 TMP 1,2,4-Trimethylbenzene	20.000	20.262	-1.3	100	0.00
67 TMP sec-Butylbenzene	20.000	20.240	-1.2	100	0.00
68 TMP p-Isopropyltoluene	20.000	20.280	-1.4	100	0.00
69 TMP 1,3-Dichlorobenzene	20.000	19.515	2.4	100	0.00
70 TMP 1,4-Dichlorobenzene	20.000	19.534	2.3	100	0.00
71 TMP 1,2-Dichlorobenzene	20.000	19.710	1.4	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	20.000	19.311	3.4	100	0.00
73 TMP 1,2,4-Trichlorobenzene	20.000	19.828	0.9	100	0.00
74 TMP Hexachlorobutadiene	20.000	18.702	6.5	100	0.00
75 TMP Naphthalene	20.000	20.106	-0.5	100	0.00
76 TMP 1,2,3-Trichlorobenzene	20.000	19.889	0.6	100	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110329.D
 Acq On : 03 Nov 2022 05:31 pm
 Operator : LM
 Sample : 20 ppb 8260 ICAL 67-1770
 Misc : soil/water
 ALS Vial : 19 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 14:09:16 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 14:08:49 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2 TMP	Ethanol	0.000	0.000#	0.0	0#	-1.86#
3 S	Dibromofluoromethane	0.283	0.292	-3.2	100	0.00
4 TMP	Dichlorodifluoromethane	0.771	0.812	-5.3	100	0.00
5 TMP	Chloromethane	0.937	0.916	2.2	100	0.02
6 TMP	Vinyl chloride	0.838	0.858	-2.4	100	0.02
7 TMP	Bromomethane	0.490	0.534	-9.0	100	0.00
8 TMP	Chloroethane	0.420	0.432	-2.9	100	0.02
9 TMP	Trichlorofluoromethane	0.910	0.933	-2.5	100	0.00
10 TMP	2-Propanol	0.000	0.000	0.0	0#	-0.04
11 TMP	Acetone	0.046	0.046	0.0	100	0.00
12 TMP	1,1-Dichloroethene	0.262	0.262	0.0	100	0.02
13 TMP	Hexane	0.408	0.401	1.7	100	0.00
14 TMP	Methylene chloride	0.307	0.319	-3.9	100	0.00
15 TMP	t-Butyl alcohol (TBA)	0.034	0.035	-2.9	100	0.00
16 TMP	Methyl t-butyl ether (MTBE)	0.698	0.741	-6.2	100	0.00
17 TMP	trans-1,2-Dichloroethene	0.296	0.294	0.7	100	0.00
18 TMP	Diisopropyl ether (DIPE)	0.862	0.858	0.5	100	0.00
19 TMP	1,1-Dichloroethane	0.527	0.541	-2.7	100	0.00
20 TMP	Ethyl t-butyl ether (ETBE)	0.290	0.303	-4.5	100	0.00
21 TMP	2,2-Dichloropropane	0.356	0.352	1.1	100	0.00
22 TMP	cis-1,2-Dichloroethene	0.316	0.320	-1.3	100	0.00
23 TMP	Chloroform	0.496	0.480	3.2	100	0.00
24 TMP	2-Butanone (MEK)	0.170	0.168	1.2	100	0.00
25 TMP	t-Amyl methyl ether (TAME)	0.673	0.683	-1.5	100	0.00
26 TMP	1,2-Dichloroethane (EDC)	0.375	0.363	3.2	100	0.00
27 TMP	1,1,1-Trichloroethane	0.428	0.441	-3.0	100	0.00
28 TMP	1,1-Dichloropropene	0.346	0.341	1.4	100	0.00
29 TMP	Carbon tetrachloride	0.372	0.369	0.8	100	0.00
30 S	1,2-Dichloroethane-d4	0.063	0.066	-4.8	100	0.00
31 TMP	Benzene	1.078	1.039	3.6	100	0.00
32 TMP	Trichloroethene	0.311	0.293	5.8	100	0.00
33 TMP	1,2-Dichloropropane	0.266	0.265	0.4	100	0.00
34 TMP	Bromodichloromethane	0.319	0.308	3.4	100	0.00
35 S	Toluene-d8	0.888	0.888	0.0	100	0.00
36 TMP	Dibromomethane	0.162	0.162	0.0	100	0.00
37 TMP	4-Methyl-2-pentanone	0.045	0.045	0.0	100	0.00
38 TMP	cis-1,3-Dichloropropene	0.364	0.341	6.3	100	0.00
39 I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40 TMP	Toluene	0.869	0.833	4.1	100	0.00
41 TMP	trans-1,3-Dichloropropene	0.405	0.401	1.0	100	0.00
42 TMP	1,1,2-Trichloroethane	0.260	0.245	5.8	100	0.00
43 TMP	2-Hexanone	0.268	0.273	-1.9	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110329.D
 Acq On : 03 Nov 2022 05:31 pm
 Operator : LM
 Sample : 20 ppb 8260 ICAL 67-1770
 Misc : soil/water
 ALS Vial : 19 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 14:09:16 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 14:08:49 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.430	0.425	1.2	100	0.00
45 TMP Tetrachloroethene	0.406	0.350	13.8	100	0.00
46 TMP Dibromochloromethane	0.344	0.335	2.6	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	0.317	0.300	5.4	100	0.00
48 TMP Chlorobenzene	0.922	0.909	1.4	100	0.00
49 TMP Ethylbenzene	1.605	1.556	3.1	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.356	0.353	0.8	100	0.00
51 TMP m,p-Xylene	0.626	0.610	2.6	100	0.00
52 TMP o-Xylene	0.622	0.614	1.3	100	0.00
53 TMP Styrene	0.907	0.925	-2.0	100	0.00
54 TMP Isopropylbenzene	1.561	1.594	-2.1	100	0.00
55 TMP Bromoform	0.258	0.249	3.5	100	0.00
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	0.748	0.739	1.2	100	0.00
58 TMP n-Propylbenzene	3.027	3.049	-0.7	100	0.00
59 TMP Bromobenzene	0.740	0.716	3.2	100	0.00
60 TMP 1,3,5-Trimethylbenzene	2.224	2.241	-0.8	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.717	0.712	0.7	100	0.00
62 TMP 1,2,3-Trichloropropane	0.549	0.536	2.4	100	0.00
63 TMP 2-Chlorotoluene	1.828	1.795	1.8	100	0.00
64 TMP 4-Chlorotoluene	1.994	2.029	-1.8	100	0.00
65 TMP tert-Butylbenzene	1.953	1.936	0.9	100	0.00
66 TMP 1,2,4-Trimethylbenzene	2.250	2.279	-1.3	100	0.00
67 TMP sec-Butylbenzene	2.892	2.926	-1.2	100	0.00
68 TMP p-Isopropyltoluene	2.502	2.537	-1.4	100	0.00
69 TMP 1,3-Dichlorobenzene	1.434	1.399	2.4	100	0.00
70 TMP 1,4-Dichlorobenzene	1.430	1.397	2.3	100	0.00
71 TMP 1,2-Dichlorobenzene	1.428	1.408	1.4	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	0.145	0.140	3.4	100	0.00
73 TMP 1,2,4-Trichlorobenzene	1.063	1.054	0.8	100	0.00
74 TMP Hexachlorobutadiene	0.623	0.583	6.4	100	0.00
75 TMP Naphthalene	2.362	2.375	-0.6	100	0.00
76 TMP 1,2,3-Trichlorobenzene	0.987	0.982	0.5	100	0.00

(#) = Out of Range

SPCC's out = 1 CCC's out = 0

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110330.D
 Acq On : 03 Nov 2022 05:54 pm
 Operator : LM
 Sample : 50 ppb 8260 ICAL 67-177Q
 Misc : soil/water
 ALS Vial : 20 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 14:09:18 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 14:08:49 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	4.63	96	55430	10.000	ppb	0.00	
39) Chlorobenzene-d5	7.27	117	40353	10.000	ppb	0.00	
56) 1,4-Dichlorobenzene-d4	9.48	152	23738	10.000	ppb	0.00	
System Monitoring Compounds							
3) Dibromofluoromethane	4.08	113	15841	10.092	ppb	0.00	
Spiked Amount	10.000	Range 50 - 150	Recovery	=	100.90%		
30) 1,2-Dichloroethane-d4	4.36	102	3663	10.488	ppb	0.00	
Spiked Amount	10.000	Range 79 - 128	Recovery	=	104.90%		
35) Toluene-d8	5.98	98	49664	10.093	ppb	0.00	
Spiked Amount	10.000	Range 84 - 121	Recovery	=	100.90%		
57) 4-Bromofluorobenzene	8.38	95	17491	9.853	ppb	0.00	
Spiked Amount	10.000	Range 84 - 116	Recovery	=	98.50%		
Target Compounds							
2) Ethanol	0.00		0	N.D.			Qvalue
4) Dichlorodifluoromethane	1.09	85	230790	53.981	ppb		98
5) Chloromethane	1.23	50	258092	49.690	ppb		94
6] Vinyl chloride	1.31	62	239530	51.566	ppb		99
7) Bromomethane	1.53	94	140739	51.765	ppb		93
8] Chloroethane	1.61	64	119740	51.377	ppb		100
9) Trichlorofluoromethane	1.77	101	257295	50.984	ppb		96
10) 2-Propanol	2.40	45	126	No Calib			
11) Acetone	2.26	58	70105	274.663	ppb	#	83
12] 1,1-Dichloroethene	2.20	96	74885	51.544	ppb		91
13) Hexane	3.05	57	119341	52.778	ppb		99
14) Methylene chloride	2.61	84	83034	53.046	ppb		95
15) t-Butyl alcohol (TBA)	2.73	59	50656	269.472	ppb		98
16] Methyl t-butyl ether (...)	2.84	73	207298	53.583	ppb		97
17] trans-1,2-Dichloroethene	2.83	96	81784	49.793	ppb		86
18) Diisopropyl ether (DIPE)	3.24	45	245767	51.455	ppb		98
19] 1,1-Dichloroethane	3.18	63	149986	51.384	ppb		95
20) Ethyl t-butyl ether (E...)	3.55	87	85451	53.152	ppb		97
21) 2,2-Dichloropropane	3.67	77	95456	48.322	ppb		98
22] cis-1,2-Dichloroethene	3.67	96	88544	50.627	ppb		88
23) Chloroform	3.95	83	135011	49.058	ppb		98
24) 2-Butanone (MEK)	3.70	43	238515	252.523	ppb		97
25) t-Amyl methyl ether (T...)	4.49	73	197934	53.085	ppb		97
26] 1,2-Dichloroethane (EDC)	4.42	62	101762	48.974	ppb		96
27] 1,1,1-Trichloroethane	4.08	97	123901	52.212	ppb		93
28) 1,1-Dichloropropene	4.22	75	98468	51.270	ppb		99
29) Carbon tetrachloride	4.22	117	106124	51.460	ppb		98
31] Benzene	4.39	78	293154	52.703	ppb		98
32] Trichloroethene	4.93	95	83870	48.654	ppb		86
33) 1,2-Dichloropropane	5.13	63	73203	49.586	ppb		99
34) Bromodichloromethane	5.37	83	89468	50.576	ppb		96
36) Dibromomethane	5.23	93	46624	51.840	ppb		95

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110330.D
 Acq On : 03 Nov 2022 05:54 pm
 Operator : LM
 Sample : 50 ppb 8260 ICAL 67-177Q
 Misc : soil/water
 ALS Vial : 20 Sample Multiplier: 1
 InstName : GCMS11

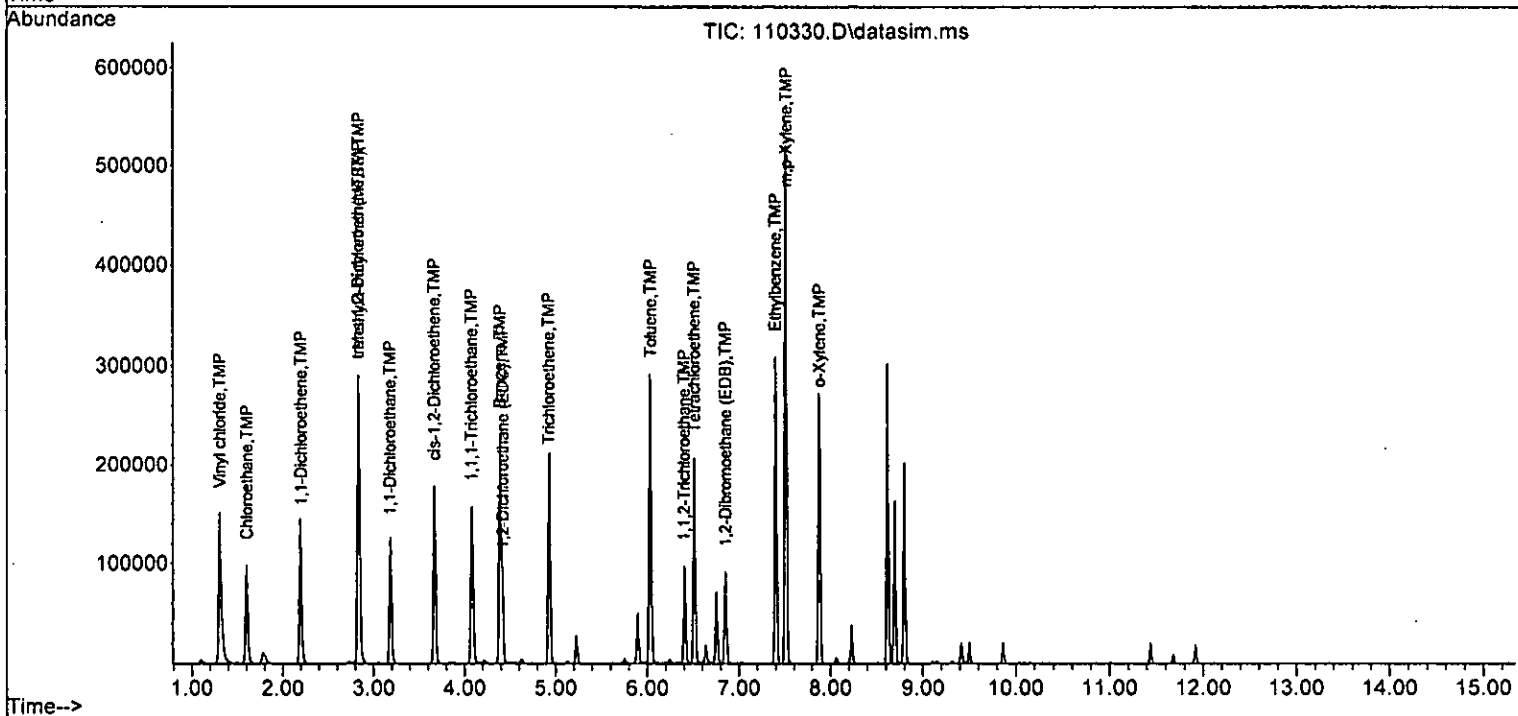
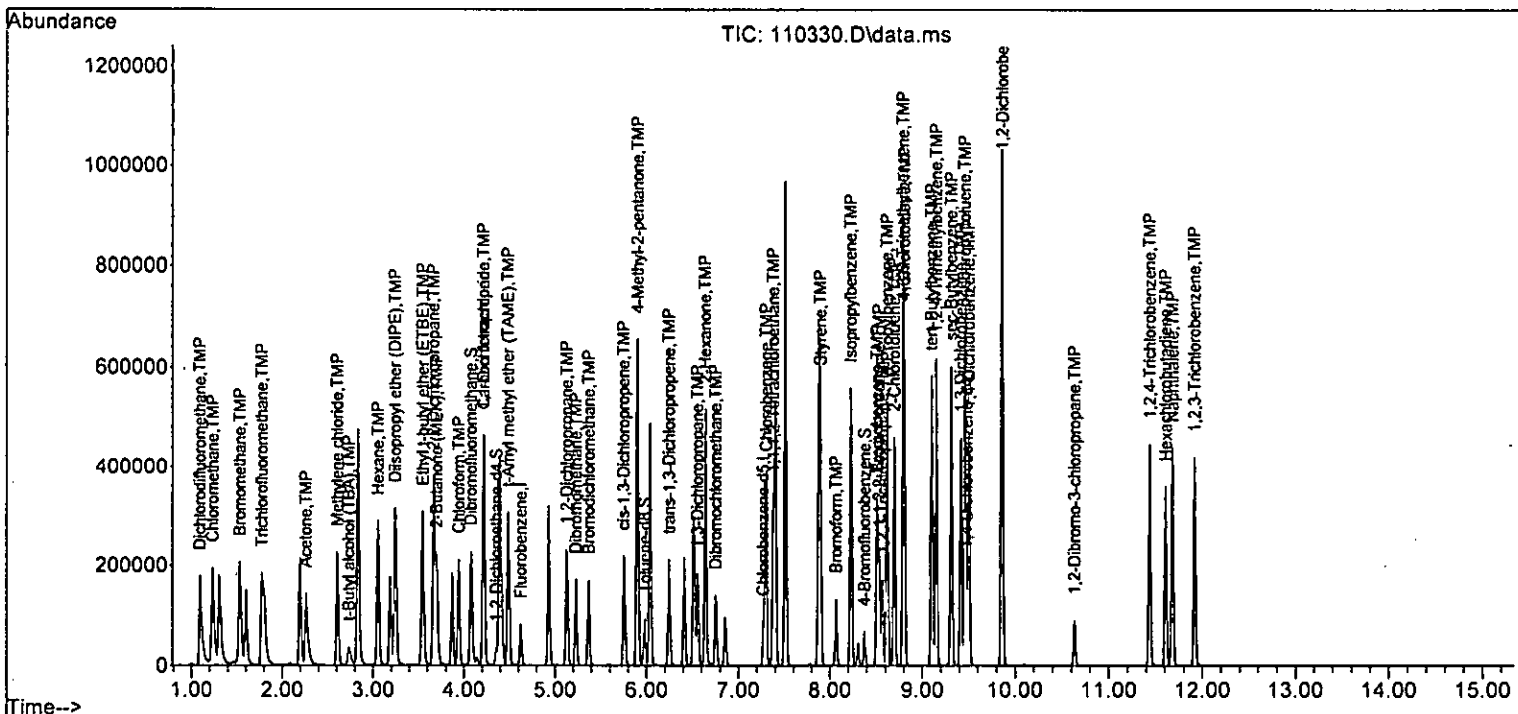
Quant Time: Nov 07 14:09:18 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 14:08:49 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	5.91	85	66484	264.690	ppb	94
38) cis-1,3-Dichloropropene	5.75	75	99635	49.437	ppb	99
40] Toluene	6.04	92	172681	49.250	ppb	98
41) trans-1,3-Dichloropropene	6.25	75	81673	49.917	ppb	99
42] 1,1,2-Trichloroethane	6.40	83	49978	52.801	ppb	92
43) 2-Hexanone	6.64	43	269033	248.777	ppb	97
44) 1,3-Dichloropropane	6.55	76	87095	50.210	ppb	99
45] Tetrachloroethene	6.51	164	72032	52.300	ppb	97
46) Dibromochloromethane	6.75	129	70391	50.696	ppb	91
47] 1,2-Dibromoethane (EDB)	6.85	107	61636	48.211	ppb	98
48) Chlorobenzene	7.30	112	186312	50.070	ppb	97
49] Ethylbenzene	7.40	91	320657	49.510	ppb	90
50) 1,1,1,2-Tetrachloroethane	7.38	131	76289	53.143	ppb	97
51] m,p-Xylene	7.52	106	251498	99.536	ppb	88
52] o-Xylene	7.88	106	128138	51.031	ppb	90
53) Styrene	7.90	104	192786	52.689	ppb	95
54) Isopropylbenzene	8.23	105	337335	53.550	ppb	100
55) Bromoform	8.07	173	52759	50.724	ppb	99
58) n-Propylbenzene	8.62	91	374591	52.125	ppb	100
59) Bromobenzene	8.51	156	87517	49.803	ppb	95
60) 1,3,5-Trimethylbenzene	8.79	105	282955	53.601	ppb	100
61) 1,1,2,2-Tetrachloroethane	8.53	83	86655	50.912	ppb	98
62) 1,2,3-Trichloropropane	8.57	75	63601	48.765	ppb	96
63) 2-Chlorotoluene	8.70	91	222404	51.253	ppb	100
64) 4-Chlorotoluene	8.81	91	247728	52.325	ppb	97
65) tert-Butylbenzene	9.10	119	253461	54.679	ppb	99
66) 1,2,4-Trimethylbenzene	9.15	105	289116	54.139	ppb	98
67) sec-Butylbenzene	9.31	105	376242	54.814	ppb	98
68) p-Isopropyltoluene	9.46	119	326241	54.934	ppb	97
69) 1,3-Dichlorobenzene	9.42	146	170247	50.015	ppb	99
70) 1,4-Dichlorobenzene	9.50	146	169525	49.940	ppb	96
71) 1,2-Dichlorobenzene	9.86	146	172360	50.831	ppb	98
72) 1,2-Dibromo-3-chloropr...	10.63	75	17744	51.423	ppb	98
73) 1,2,4-Trichlorobenzene	11.44	180	133935	53.082	ppb	99
74) Hexachlorobutadiene	11.61	225	73888	49.964	ppb	96
75) Naphthalene	11.68	128	309451	55.183	ppb	99
76) 1,2,3-Trichlorobenzene	11.92	180	125694	53.642	ppb	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110330.D
 Acq On : 03 Nov 2022 05:54 pm
 Operator : LM
 Sample : 50 ppb 8260 ICAL 67-177Q
 Misc : soil/water
 ALS Vial : 20 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 14:09:18 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 14:08:49 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M



Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110330.D
 Acq On : 03 Nov 2022 05:54 pm
 Operator : LM
 Sample : 50 ppb 8260 ICAL 67-177Q
 Misc : soil/water
 ALS Vial : 20 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 14:09:18 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 14:08:49 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I Fluorobenzene	10.000	10.000	0.0	100	0.00
2 TMP Ethanol	-1.000	0.000	0.0	0	-1.86#
3 S Dibromofluoromethane	10.000	10.092	-0.9	100	0.00
4 TMP Dichlorodifluoromethane	50.000	53.981	-8.0	100	0.00
5 TMP Chloromethane	50.000	49.690	0.6	100	0.02
6 TMP Vinyl chloride	50.000	51.566	-3.1	100	0.02
7 TMP Bromomethane	50.000	51.765	-3.5	100	0.00
8 TMP Chloroethane	50.000	51.377	-2.8	100	0.02
9 TMP Trichlorofluoromethane	50.000	50.984	-2.0	100	0.00
10 TMP 2-Propanol	-1.000	0.000	0.0	0	-0.03
11 TMP Acetone	250.000	274.663	-9.9	100	0.00
12 TMP 1,1-Dichloroethene	50.000	51.544	-3.1	100	0.02
13 TMP Hexane	50.000	52.778	-5.6	100	0.00
14 TMP Methylene chloride	50.000	53.046	-6.1	100	0.00
15 TMP t-Butyl alcohol (TBA)	250.000	269.472	-7.8	100	0.00
16 TMP Methyl t-butyl ether (MTBE)	50.000	53.583	-7.2	100	0.00
17 TMP trans-1,2-Dichloroethene	50.000	49.793	0.4	100	0.00
18 TMP Diisopropyl ether (DIPE)	50.000	51.455	-2.9	100	0.00
19 TMP 1,1-Dichloroethane	50.000	51.384	-2.8	100	0.00
20 TMP Ethyl t-butyl ether (ETBE)	50.000	53.152	-6.3	100	0.00
21 TMP 2,2-Dichloropropane	50.000	48.322	3.4	100	0.00
22 TMP cis-1,2-Dichloroethene	50.000	50.627	-1.3	100	0.00
23 TMP Chloroform	50.000	49.058	1.9	100	0.00
24 TMP 2-Butanone (MEK)	250.000	252.523	-1.0	100	0.00
25 TMP t-Amyl methyl ether (TAME)	50.000	53.085	-6.2	100	0.00
26 TMP 1,2-Dichloroethane (EDC)	50.000	48.974	2.1	100	0.00
27 TMP 1,1,1-Trichloroethane	50.000	52.212	-4.4	100	0.00
28 TMP 1,1-Dichloropropene	50.000	51.270	-2.5	100	0.00
29 TMP Carbon tetrachloride	50.000	51.460	-2.9	100	0.00
30 S 1,2-Dichloroethane-d4	10.000	10.488	-4.9	100	0.00
31 TMP Benzene	50.000	52.703	-5.4	100	0.00
32 TMP Trichloroethene	50.000	48.654	2.7	100	0.00
33 TMP 1,2-Dichloropropane	50.000	49.586	0.8	100	0.00
34 TMP Bromodichloromethane	50.000	50.576	-1.2	100	0.00
35 S Toluene-d8	10.000	10.093	-0.9	100	0.00
36 TMP Dibromomethane	50.000	51.840	-3.7	100	0.00
37 TMP 4-Methyl-2-pentanone	250.000	264.690	-5.9	100	0.00
38 TMP cis-1,3-Dichloropropene	50.000	49.437	1.1	100	0.00
39 I Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40 TMP Toluene	50.000	49.250	1.5	100	0.01
41 TMP trans-1,3-Dichloropropene	50.000	49.917	0.2	100	0.00
42 TMP 1,1,2-Trichloroethane	50.000	52.801	-5.6	100	0.00
43 TMP 2-Hexanone	250.000	248.777	0.5	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110330.D
 Acq On : 03 Nov 2022 05:54 pm
 Operator : LM
 Sample : 50 ppb 8260 ICAL 67-177Q
 Misc : soil/water
 ALS Vial : 20 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 14:09:18 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 14:08:49 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	50.000	50.210	-0.4	100	0.00
45 TMP Tetrachloroethene	50.000	52.300	-4.6	100	0.00
46 TMP Dibromochloromethane	50.000	50.696	-1.4	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	50.000	48.211	3.6	100	0.00
48 TMP Chlorobenzene	50.000	50.070	-0.1	100	0.00
49 TMP Ethylbenzene	50.000	49.510	1.0	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	50.000	53.143	-6.3	100	0.00
51 TMP m,p-Xylene	100.000	99.536	0.5	100	0.00
52 TMP o-Xylene	50.000	51.031	-2.1	100	0.00
53 TMP Styrene	50.000	52.689	-5.4	100	0.00
54 TMP Isopropylbenzene	50.000	53.550	-7.1	100	0.00
55 TMP Bromoform	50.000	50.724	-1.4	100	0.00
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	10.000	9.853	1.5	100	0.00
58 TMP n-Propylbenzene	50.000	52.125	-4.3	100	0.00
59 TMP Bromobenzene	50.000	49.803	0.4	100	0.00
60 TMP 1,3,5-Trimethylbenzene	50.000	53.601	-7.2	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	50.000	50.912	-1.8	100	0.00
62 TMP 1,2,3-Trichloropropane	50.000	48.765	2.5	100	0.00
63 TMP 2-Chlorotoluene	50.000	51.253	-2.5	100	0.00
64 TMP 4-Chlorotoluene	50.000	52.325	-4.7	100	0.00
65 TMP tert-Butylbenzene	50.000	54.679	-9.4	100	0.00
66 TMP 1,2,4-Trimethylbenzene	50.000	54.139	-8.3	100	0.00
67 TMP sec-Butylbenzene	50.000	54.814	-9.6	100	0.00
68 TMP p-Isopropyltoluene	50.000	54.934	-9.9	100	0.00
69 TMP 1,3-Dichlorobenzene	50.000	50.015	-0.0	100	0.00
70 TMP 1,4-Dichlorobenzene	50.000	49.940	0.1	100	0.00
71 TMP 1,2-Dichlorobenzene	50.000	50.831	-1.7	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	50.000	51.423	-2.8	100	0.00
73 TMP 1,2,4-Trichlorobenzene	50.000	53.082	-6.2	100	0.00
74 TMP Hexachlorobutadiene	50.000	49.964	0.1	100	0.00
75 TMP Naphthalene	50.000	55.183	-10.4	100	0.00
76 TMP 1,2,3-Trichlorobenzene	50.000	53.642	-7.3	100	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110330.D
 Acq On : 03 Nov 2022 05:54 pm
 Operator : LM
 Sample : 50 ppb 8260 ICAL 67-177Q
 Misc : soil/water
 ALS Vial : 20 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 14:09:18 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 14:08:49 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2 TMP	Ethanol	0.000	0.000#	0.0	0#	-1.86#
3 S	Dibromofluoromethane	0.283	0.286	-1.1	100	0.00
4 TMP	Dichlorodifluoromethane	0.771	0.833	-8.0	100	0.00
5 TMP	Chloromethane	0.937	0.931	0.6	100	0.02
6 TMP	Vinyl chloride	0.838	0.864	-3.1	100	0.02
7 TMP	Bromomethane	0.490	0.508	-3.7	100	0.00
8 TMP	Chloroethane	0.420	0.432	-2.9	100	0.02
9 TMP	Trichlorofluoromethane	0.910	0.928	-2.0	100	0.00
10 TMP	2-Propanol	0.000	0.000	0.0	0#	-0.03
11 TMP	Acetone	0.046	0.051	-10.9	100	0.00
12 TMP	1,1-Dichloroethene	0.262	0.270	-3.1	100	0.02
13 TMP	Hexane	0.408	0.431	-5.6	100	0.00
14 TMP	Methylene chloride	0.307	0.300	2.3	100	0.00
15 TMP	t-Butyl alcohol (TBA)	0.034	0.037	-8.8	100	0.00
16 TMP	Methyl t-butyl ether (MTBE)	0.698	0.748	-7.2	100	0.00
17 TMP	trans-1,2-Dichloroethene	0.296	0.295	0.3	100	0.00
18 TMP	Diisopropyl ether (DIPE)	0.862	0.887	-2.9	100	0.00
19 TMP	1,1-Dichloroethane	0.527	0.541	-2.7	100	0.00
20 TMP	Ethyl t-butyl ether (ETBE)	0.290	0.308	-6.2	100	0.00
21 TMP	2,2-Dichloropropane	0.356	0.344	3.4	100	0.00
22 TMP	cis-1,2-Dichloroethene	0.316	0.319	-0.9	100	0.00
23 TMP	Chloroform	0.496	0.487	1.8	100	0.00
24 TMP	2-Butanone (MEK)	0.170	0.172	-1.2	100	0.00
25 TMP	t-Amyl methyl ether (TAME)	0.673	0.714	-6.1	100	0.00
26 TMP	1,2-Dichloroethane (EDC)	0.375	0.367	2.1	100	0.00
27 TMP	1,1,1-Trichloroethane	0.428	0.447	-4.4	100	0.00
28 TMP	1,1-Dichloropropene	0.346	0.355	-2.6	100	0.00
29 TMP	Carbon tetrachloride	0.372	0.383	-3.0	100	0.00
30 S	1,2-Dichloroethane-d4	0.063	0.066	-4.8	100	0.00
31 TMP	Benzene	1.078	1.058	1.9	100	0.00
32 TMP	Trichloroethene	0.311	0.303	2.6	100	0.00
33 TMP	1,2-Dichloropropane	0.266	0.264	0.8	100	0.00
34 TMP	Bromodichloromethane	0.319	0.323	-1.3	100	0.00
35 S	Toluene-d8	0.888	0.896	-0.9	100	0.00
36 TMP	Dibromomethane	0.162	0.168	-3.7	100	0.00
37 TMP	4-Methyl-2-pentanone	0.045	0.048	-6.7	100	0.00
38 TMP	cis-1,3-Dichloropropene	0.364	0.359	1.4	100	0.00
39 I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40 TMP	Toluene	0.869	0.856	1.5	100	0.01
41 TMP	trans-1,3-Dichloropropene	0.405	0.405	0.0	100	0.00
42 TMP	1,1,2-Trichloroethane	0.260	0.248	4.6	100	0.00
43 TMP	2-Hexanone	0.268	0.267	0.4	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110330.D
 Acq On : 03 Nov 2022 05:54 pm
 Operator : LM
 Sample : 50 ppb 8260 ICAL 67-177Q
 Misc : soil/water
 ALS Vial : 20 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 14:09:18 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 14:08:49 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.430	0.432	-0.5	100	0.00
45 TMP Tetrachloroethene	0.406	0.357	12.1	100	0.00
46 TMP Dibromochloromethane	0.344	0.349	-1.5	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	0.317	0.305	3.8	100	0.00
48 TMP Chlorobenzene	0.922	0.923	-0.1	100	0.00
49 TMP Ethylbenzene	1.605	1.589	1.0	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.356	0.378	-6.2	100	0.00
51 TMP m,p-Xylene	0.626	0.623	0.5	100	0.00
52 TMP o-Xylene	0.622	0.635	-2.1	100	0.00
53 TMP Styrene	0.907	0.955	-5.3	100	0.00
54 TMP Isopropylbenzene	1.561	1.672	-7.1	100	0.00
55 TMP Bromoform	0.258	0.261	-1.2	100	0.00
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	0.748	0.737	1.5	100	0.00
58 TMP n-Propylbenzene	3.027	3.156	-4.3	100	0.00
59 TMP Bromobenzene	0.740	0.737	0.4	100	0.00
60 TMP 1,3,5-Trimethylbenzene	2.224	2.384	-7.2	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.717	0.730	-1.8	100	0.00
62 TMP 1,2,3-Trichloropropane	0.549	0.536	2.4	100	0.00
63 TMP 2-Chlorotoluene	1.828	1.874	-2.5	100	0.00
64 TMP 4-Chlorotoluene	1.994	2.087	-4.7	100	0.00
65 TMP tert-Butylbenzene	1.953	2.135	-9.3	100	0.00
66 TMP 1,2,4-Trimethylbenzene	2.250	2.436	-8.3	100	0.00
67 TMP sec-Butylbenzene	2.892	3.170	-9.6	100	0.00
68 TMP p-Isopropyltoluene	2.502	2.749	-9.9	100	0.00
69 TMP 1,3-Dichlorobenzene	1.434	1.434	0.0	100	0.00
70 TMP 1,4-Dichlorobenzene	1.430	1.428	0.1	100	0.00
71 TMP 1,2-Dichlorobenzene	1.428	1.452	-1.7	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	0.145	0.149	-2.8	100	0.00
73 TMP 1,2,4-Trichlorobenzene	1.063	1.128	-6.1	100	0.00
74 TMP Hexachlorobutadiene	0.623	0.623	0.0	100	0.00
75 TMP Naphthalene	2.362	2.607	-10.4	100	0.00
76 TMP 1,2,3-Trichlorobenzene	0.987	1.059	-7.3	100	0.00

(#) = Out of Range

SPCC's out = 1 CCC's out = 0

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110331.D
 Acq On : 03 Nov 2022 06:16 pm
 Operator : LM
 Sample : 100 ppb 8260 ICAL 67-177S
 Misc : soil/water
 ALS Vial : 21 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 14:09:20 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 14:08:49 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	4.63	96	54152	10.000	ppb	0.00
39) Chlorobenzene-d5	7.27	117	39544	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	23400	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.08	113	15408	10.048	ppb	0.00
Spiked Amount	10.000	Range 50 - 150	Recovery =	100.50%		
30) 1,2-Dichloroethane-d4	4.36	102	3142	9.208	ppb	0.00
Spiked Amount	10.000	Range 79 - 128	Recovery =	92.10%		
35) Toluene-d8	5.98	98	48483	10.086	ppb	0.00
Spiked Amount	10.000	Range 84 - 121	Recovery =	100.90%		
57) 4-Bromofluorobenzene	8.38	95	16998	9.714	ppb	0.00
Spiked Amount	10.000	Range 84 - 116	Recovery =	97.10%		
Target Compounds						
						Qvalue
2) Ethanol	0.00		0	N.D.		
4) Dichlorodifluoromethane	1.09	85	436597	104.529	ppb	99
5) Chloromethane	1.23	50	489692	96.505	ppb	97
6] Vinyl chloride	1.31	62	450089	99.182	ppb	99
7) Bromomethane	1.53	94	261762	98.550	ppb	93
8] Chloroethane	1.60	64	220954	97.042	ppb	94
9) Trichlorofluoromethane	1.78	101	477941	96.941	ppb	92
10) 2-Propanol	2.39	45	205	No Calib		
11) Acetone	2.26	58	124493	499.260	ppb #	85
12] 1,1-Dichloroethene	2.20	96	135113	95.195	ppb	96
13) Hexane	3.05	57	222231	100.600	ppb	99
14) Methylene chloride	2.61	84	149640	101.011	ppb	95
15) t-Butyl alcohol (TBA)	2.73	59	89912	489.588	ppb	99
16] Methyl t-butyl ether (...)	2.84	73	371776	98.366	ppb	96
17] trans-1,2-Dichloroethene	2.84	96	149816	93.366	ppb	99
18) Diisopropyl ether (DIPE)	3.24	45	448939	96.210	ppb	97
19] 1,1-Dichloroethane	3.19	63	272058	95.404	ppb	99
20) Ethyl t-butyl ether (E...)	3.55	87	155746	99.163	ppb	98
21) 2,2-Dichloropropane	3.67	77	196593	101.868	ppb	99
22] cis-1,2-Dichloroethene	3.67	96	161874	94.739	ppb	86
23) Chloroform	3.95	83	244403	90.903	ppb	99
24) 2-Butanone (MEK)	3.70	43	433658	469.963	ppb	97
25) t-Amyl methyl ether (T...)	4.49	73	357751	98.212	ppb	98
26] 1,2-Dichloroethane (EDC)	4.42	62	184434	90.856	ppb	96
27] 1,1,1-Trichloroethane	4.08	97	225936	97.457	ppb	92
28) 1,1-Dichloropropene	4.22	75	186268	99.274	ppb	98
29) Carbon tetrachloride	4.22	117	195555	97.064	ppb	98
31] Benzene	4.39	78	534436	99.241	ppb	98
32] Trichloroethene	4.93	95	154757	91.895	ppb	84
33) 1,2-Dichloropropane	5.13	63	134262	93.092	ppb	100
34) Bromodichloromethane	5.37	83	167294	96.804	ppb	95
36) Dibromomethane	5.23	93	83358	94.871	ppb	99

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110331.D
 Acq On : 03 Nov 2022 06:16 pm
 Operator : LM
 Sample : 100 ppb 8260 ICAL 67-177S
 Misc : soil/water
 ALS Vial : 21 Sample Multiplier: 1
 InstName : GCMS11

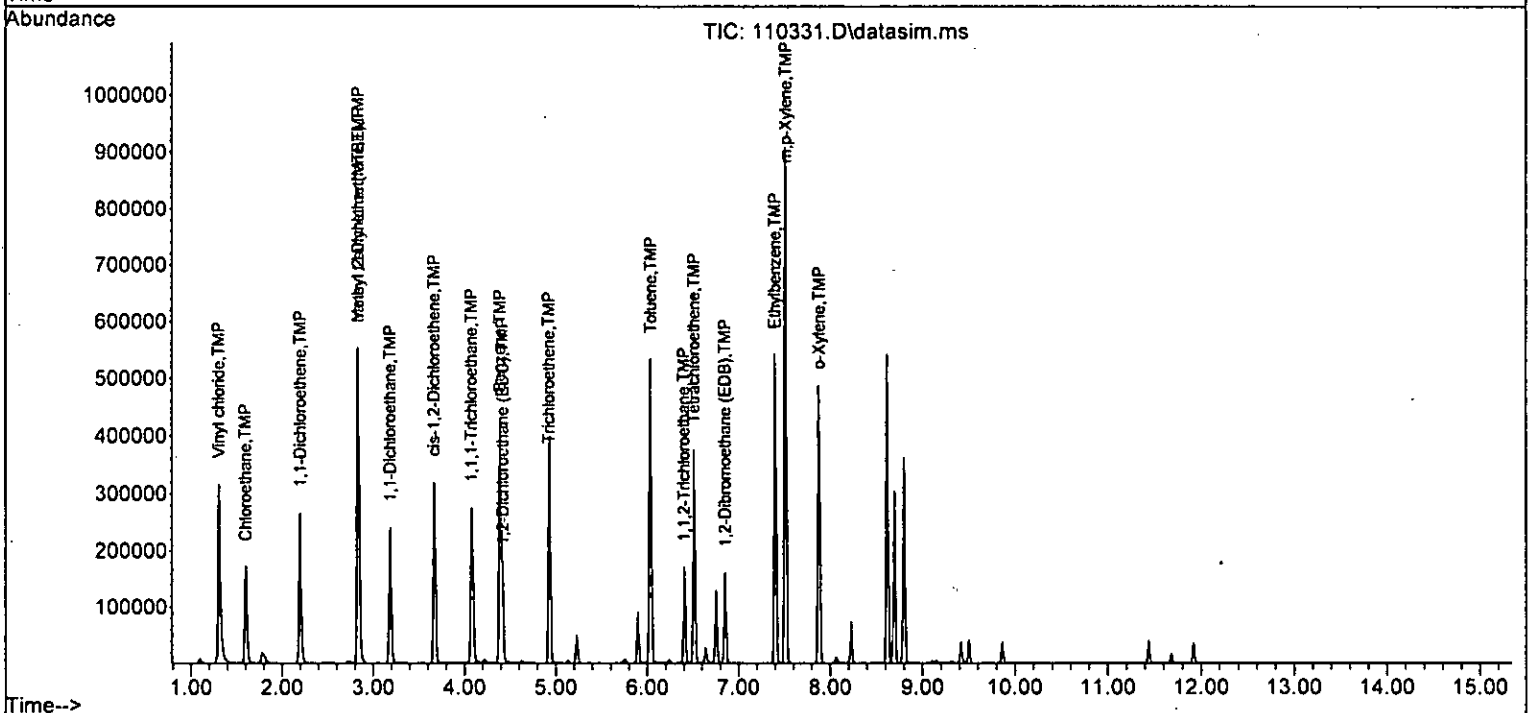
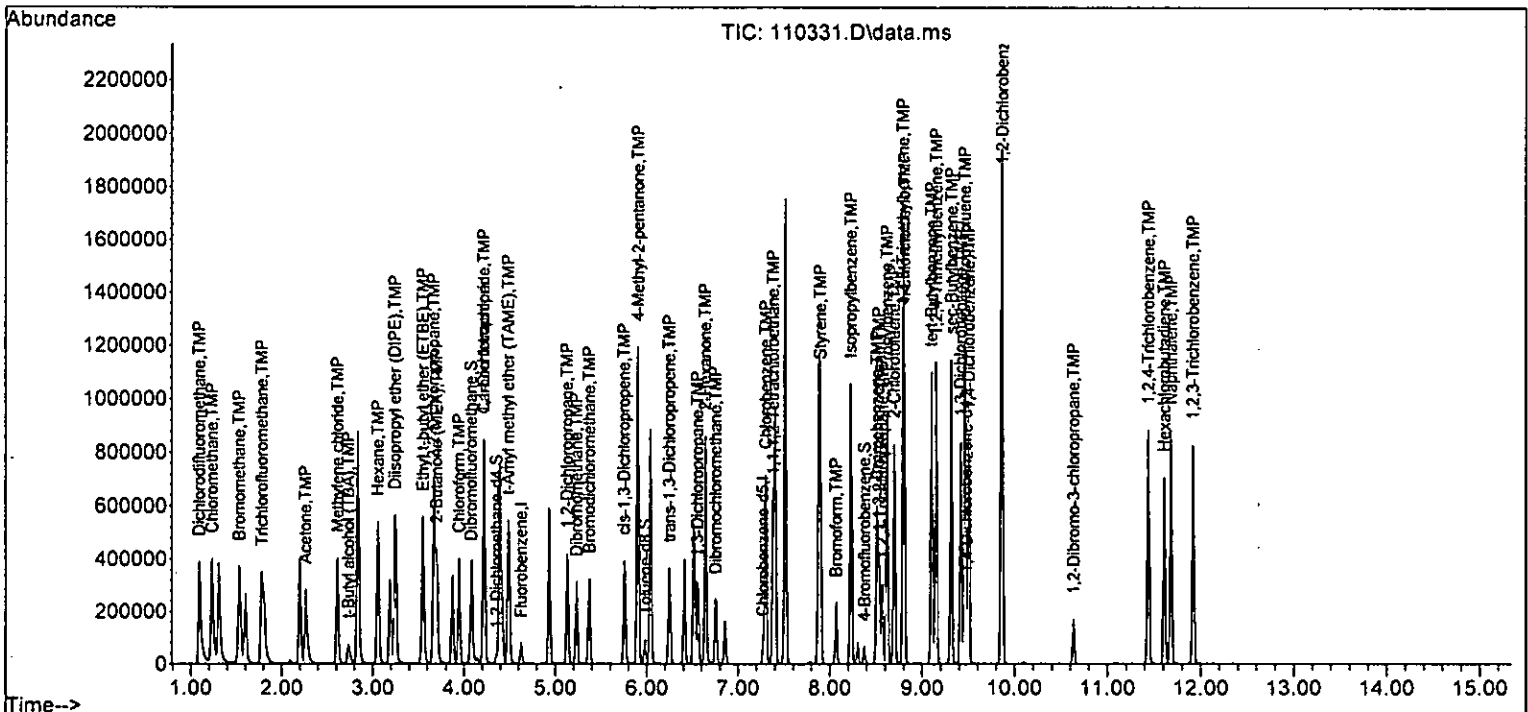
Quant Time: Nov 07 14:09:20 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 14:08:49 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	5.91	85	119159	485.599	ppb	96
38) cis-1,3-Dichloropropene	5.75	75	183596	93.248	ppb	99
40] Toluene	6.04	92	312881	91.061	ppb	98
41) trans-1,3-Dichloropropene	6.25	75	146447	91.337	ppb	98
42] 1,1,2-Trichloroethane	6.40	83	88676	96.038	ppb	94
43) 2-Hexanone	6.64	43	447091	421.886	ppb	97
44) 1,3-Dichloropropane	6.55	76	149881	88.173	ppb	98
45] Tetrachloroethene	6.51	164	131346	98.468	ppb	97
46) Dibromochloromethane	6.75	129	127601	93.780	ppb	94
47] 1,2-Dibromoethane (EDB)	6.85	107	107795	86.041	ppb	98
48) Chlorobenzene	7.30	112	340636	93.417	ppb	98
49] Ethylbenzene	7.40	91	579282	91.273	ppb	90
50) 1,1,1,2-Tetrachloroethane	7.38	131	140352	99.770	ppb	97
51] m,p-Xylene	7.52	106	455456	183.945	ppb	91
52] o-Xylene	7.88	106	236400	96.073	ppb	92
53) Styrene	7.90	104	351999	98.171	ppb	96
54) Isopropylbenzene	8.23	105	627241	101.609	ppb	99
55) Bromoform	8.07	173	95070	93.274	ppb	99
58) n-Propylbenzene	8.62	91	690344	97.450	ppb	99
59) Bromobenzene	8.51	156	159854	92.281	ppb	96
60) 1,3,5-Trimethylbenzene	8.79	105	527366	101.344	ppb	98
61) 1,1,2,2-Tetrachloroethane	8.53	83	154209	91.910	ppb	97
62) 1,2,3-Trichloropropane	8.57	75	111016	86.349	ppb	95
63) 2-Chlorotoluene	8.70	91	404075	94.463	ppb	99
64) 4-Chlorotoluene	8.81	91	450578	96.545	ppb	98
65) tert-Butylbenzene	9.10	119	484927	106.125	ppb	99
66) 1,2,4-Trimethylbenzene	9.15	105	539361	102.459	ppb	97
67) sec-Butylbenzene	9.32	105	710045	104.939	ppb	99
68) p-Isopropyltoluene	9.46	119	619496	105.819	ppb	98
69) 1,3-Dichlorobenzene	9.42	146	316508	94.327	ppb	99
70) 1,4-Dichlorobenzene	9.50	146	319960	95.618	ppb	98
71) 1,2-Dichlorobenzene	9.86	146	321023	96.042	ppb	96
72) 1,2-Dibromo-3-chloropr...	10.63	75	33390	98.164	ppb	91
73) 1,2,4-Trichlorobenzene	11.44	180	265630	106.796	ppb	96
74) Hexachlorobutadiene	11.61	225	145542	99.839	ppb	99
75) Naphthalene	11.68	128	620106	112.179	ppb	99
76) 1,2,3-Trichlorobenzene	11.92	180	248383	107.533	ppb	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS11\11-03-22\
Data File : 110331.D
Acq On : 03 Nov 2022 06:16 pm
Operator : LM
Sample : 100 ppb 8260 ICAL 67-177S
Misc : soil/water
ALS Vial : 21 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Nov 07 14:09:20 2022
Quant Method : D:\Methods\Inst11\VB110322ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Mon Nov 07 14:08:49 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M



Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110331.D
 Acq On : 03 Nov 2022 06:16 pm
 Operator : LM
 Sample : 100 ppb 8260 ICAL 67-177S
 Misc : soil/water
 ALS Vial : 21 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 14:09:20 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 14:08:49 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2 TMP	Ethanol	-1.000	0.000	0.0	0	-1.86#
3 S	Dibromofluoromethane	10.000	10.048	-0.5	100	0.00
4 TMP	Dichlorodifluoromethane	100.000	104.529	-4.5	100	0.00
5 TMP	Chloromethane	100.000	96.505	3.5	100	0.02
6 TMP	Vinyl chloride	100.000	99.182	0.8	100	0.02
7 TMP	Bromomethane	100.000	98.550	1.5	100	0.00
8 TMP	Chloroethane	100.000	97.042	3.0	100	0.00
9 TMP	Trichlorofluoromethane	100.000	96.941	3.1	100	0.02
10 TMP	2-Propanol	-1.000	0.000	0.0	0	-0.04
11 TMP	Acetone	500.000	499.260	0.1	100	0.00
12 TMP	1,1-Dichloroethene	100.000	95.195	4.8	100	0.02
13 TMP	Hexane	100.000	100.600	-0.6	100	0.00
14 TMP	Methylene chloride	100.000	101.011	-1.0	100	0.02
15 TMP	t-Butyl alcohol (TBA)	500.000	489.588	2.1	100	0.00
16 TMP	Methyl t-butyl ether (MTBE)	100.000	98.366	1.6	100	0.00
17 TMP	trans-1,2-Dichloroethene	100.000	93.366	6.6	100	0.02
18 TMP	Diisopropyl ether (DIPE)	100.000	96.210	3.8	100	0.00
19 TMP	1,1-Dichloroethane	100.000	95.404	4.6	100	0.02
20 TMP	Ethyl t-butyl ether (ETBE)	100.000	99.163	0.8	100	0.00
21 TMP	2,2-Dichloropropane	100.000	101.868	-1.9	100	0.00
22 TMP	cis-1,2-Dichloroethene	100.000	94.739	5.3	100	0.00
23 TMP	Chloroform	100.000	90.903	9.1	100	0.00
24 TMP	2-Butanone (MEK)	500.000	469.963	6.0	100	0.00
25 TMP	t-Amyl methyl ether (TAME)	100.000	98.212	1.8	100	0.00
26 TMP	1,2-Dichloroethane (EDC)	100.000	90.856	9.1	100	0.00
27 TMP	1,1,1-Trichloroethane	100.000	97.457	2.5	100	0.00
28 TMP	1,1-Dichloropropane	100.000	99.274	0.7	100	0.00
29 TMP	Carbon tetrachloride	100.000	97.064	2.9	100	0.00
30 S	1,2-Dichloroethane-d4	10.000	9.208	7.9	100	0.00
31 TMP	Benzene	100.000	99.241	0.8	100	0.00
32 TMP	Trichloroethene	100.000	91.895	8.1	100	0.00
33 TMP	1,2-Dichloropropane	100.000	93.092	6.9	100	0.00
34 TMP	Bromodichloromethane	100.000	96.804	3.2	100	0.00
35 S	Toluene-d8	10.000	10.086	-0.9	100	0.00
36 TMP	Dibromomethane	100.000	94.871	5.1	100	0.00
37 TMP	4-Methyl-2-pentanone	500.000	485.599	2.9	100	0.00
38 TMP	cis-1,3-Dichloropropene	100.000	93.248	6.8	100	0.00
39 I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40 TMP	Toluene	100.000	91.061	8.9	100	0.01
41 TMP	trans-1,3-Dichloropropene	100.000	91.337	8.7	100	0.00
42 TMP	1,1,2-Trichloroethane	100.000	96.038	4.0	100	0.00
43 TMP	2-Hexanone	500.000	421.886	15.6	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110331.D
 Acq On : 03 Nov 2022 06:16 pm
 Operator : LM
 Sample : 100 ppb 8260 ICAL 67-177S
 Misc : soil/water
 ALS Vial : 21 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 14:09:20 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 14:08:49 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	100.000	88.173	11.8	100	0.00
45 TMP Tetrachloroethene	100.000	98.468	1.5	100	0.00
46 TMP Dibromochloromethane	100.000	93.780	6.2	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	100.000	86.041	14.0	100	0.00
48 TMP Chlorobenzene	100.000	93.417	6.6	100	0.00
49 TMP Ethylbenzene	100.000	91.273	8.7	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	100.000	99.770	0.2	100	0.00
51 TMP m,p-Xylene	200.000	183.945	8.0	100	0.00
52 TMP o-Xylene	100.000	96.073	3.9	100	0.00
53 TMP Styrene	100.000	98.171	1.8	100	0.00
54 TMP Isopropylbenzene	100.000	101.609	-1.6	100	0.00
55 TMP Bromoform	100.000	93.274	6.7	100	0.00
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	10.000	9.714	2.9	100	0.00
58 TMP n-Propylbenzene	100.000	97.450	2.5	100	0.00
59 TMP Bromobenzene	100.000	92.281	7.7	100	0.00
60 TMP 1,3,5-Trimethylbenzene	100.000	101.344	-1.3	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	100.000	91.910	8.1	100	0.00
62 TMP 1,2,3-Trichloropropane	100.000	86.349	13.7	100	0.00
63 TMP 2-Chlorotoluene	100.000	94.463	5.5	100	0.00
64 TMP 4-Chlorotoluene	100.000	96.545	3.5	100	0.00
65 TMP tert-Butylbenzene	100.000	106.125	-6.1	100	0.00
66 TMP 1,2,4-Trimethylbenzene	100.000	102.459	-2.5	100	0.00
67 TMP sec-Butylbenzene	100.000	104.939	-4.9	100	0.00
68 TMP p-Isopropyltoluene	100.000	105.819	-5.8	100	0.00
69 TMP 1,3-Dichlorobenzene	100.000	94.327	5.7	100	0.00
70 TMP 1,4-Dichlorobenzene	100.000	95.618	4.4	100	0.00
71 TMP 1,2-Dichlorobenzene	100.000	96.042	4.0	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	100.000	98.164	1.8	100	0.00
73 TMP 1,2,4-Trichlorobenzene	100.000	106.796	-6.8	100	0.00
74 TMP Hexachlorobutadiene	100.000	99.839	0.2	100	0.00
75 TMP Naphthalene	100.000	112.179	-12.2	100	0.00
76 TMP 1,2,3-Trichlorobenzene	100.000	107.533	-7.5	100	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110331.D
 Acq On : 03 Nov 2022 06:16 pm
 Operator : LM
 Sample : 100 ppb 8260 ICAL 67-1775
 Misc : soil/water
 ALS Vial : 21 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 14:09:20 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 14:08:49 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2 TMP	Ethanol	0.000	0.000#	0.0	#	-1.86#
3 S	Dibromofluoromethane	0.283	0.285	-0.7	100	0.00
4 TMP	Dichlorodifluoromethane	0.771	0.806	-4.5	100	0.00
5 TMP	Chloromethane	0.937	0.904	3.5	100	0.02
6 TMP	Vinyl chloride	0.838	0.831	0.8	100	0.02
7 TMP	Bromomethane	0.490	0.483	1.4	100	0.00
8 TMP	Chloroethane	0.420	0.408	2.9	100	0.00
9 TMP	Trichlorofluoromethane	0.910	0.883	3.0	100	0.02
10 TMP	2-Propanol	0.000	0.000	0.0	#	-0.04
11 TMP	Acetone	0.046	0.046	0.0	100	0.00
12 TMP	1,1-Dichloroethene	0.262	0.250	4.6	100	0.02
13 TMP	Hexane	0.408	0.410	-0.5	100	0.00
14 TMP	Methylene chloride	0.307	0.276	10.1	100	0.02
15 TMP	t-Butyl alcohol (TBA)	0.034	0.033	2.9	100	0.00
16 TMP	Methyl t-butyl ether (MTBE)	0.698	0.687	1.6	100	0.00
17 TMP	trans-1,2-Dichloroethene	0.296	0.277	6.4	100	0.02
18 TMP	Diisopropyl ether (DIPE)	0.862	0.829	3.8	100	0.00
19 TMP	1,1-Dichloroethane	0.527	0.502	4.7	100	0.02
20 TMP	Ethyl t-butyl ether (ETBE)	0.290	0.288	0.7	100	0.00
21 TMP	2,2-Dichloropropane	0.356	0.363	-2.0	100	0.00
22 TMP	cis-1,2-Dichloroethene	0.316	0.299	5.4	100	0.00
23 TMP	Chloroform	0.496	0.451	9.1	100	0.00
24 TMP	2-Butanone (MEK)	0.170	0.160	5.9	100	0.00
25 TMP	t-Amyl methyl ether (TAME)	0.673	0.661	1.8	100	0.00
26 TMP	1,2-Dichloroethane (EDC)	0.375	0.341	9.1	100	0.00
27 TMP	1,1,1-Trichloroethane	0.428	0.417	2.6	100	0.00
28 TMP	1,1-Dichloropropene	0.346	0.344	0.6	100	0.00
29 TMP	Carbon tetrachloride	0.372	0.361	3.0	100	0.00
30 S	1,2-Dichloroethane-d4	0.063	0.058	7.9	100	0.00
31 TMP	Benzene	1.078	0.987	8.4	100	0.00
32 TMP	Trichloroethene	0.311	0.286	8.0	100	0.00
33 TMP	1,2-Dichloropropane	0.266	0.248	6.8	100	0.00
34 TMP	Bromodichloromethane	0.319	0.309	3.1	100	0.00
35 S	Toluene-d8	0.888	0.895	-0.8	100	0.00
36 TMP	Dibromomethane	0.162	0.154	4.9	100	0.00
37 TMP	4-Methyl-2-pentanone	0.045	0.044	2.2	100	0.00
38 TMP	cis-1,3-Dichloropropene	0.364	0.339	6.9	100	0.00
39 I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40 TMP	Toluene	0.869	0.791	9.0	100	0.01
41 TMP	trans-1,3-Dichloropropene	0.405	0.370	8.6	100	0.00
42 TMP	1,1,2-Trichloroethane	0.260	0.224	13.8	100	0.00
43 TMP	2-Hexanone	0.268	0.226	15.7	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110331.D
 Acq On : 03 Nov 2022 06:16 pm
 Operator : LM
 Sample : 100 ppb 8260 ICAL 67-177S
 Misc : soil/water
 ALS Vial : 21 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 14:09:20 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 14:08:49 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.430	0.379	11.9	100	0.00
45 TMP Tetrachloroethene	0.406	0.332	18.2	100	0.00
46 TMP Dibromochloromethane	0.344	0.323	6.1	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	0.317	0.273	13.9	100	0.00
48 TMP Chlorobenzene	0.922	0.861	6.6	100	0.00
49 TMP Ethylbenzene	1.605	1.465	8.7	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.356	0.355	0.3	100	0.00
51 TMP m,p-Xylene	0.626	0.576	8.0	100	0.00
52 TMP o-Xylene	0.622	0.598	3.9	100	0.00
53 TMP Styrene	0.907	0.890	1.9	100	0.00
54 TMP Isopropylbenzene	1.561	1.586	-1.6	100	0.00
55 TMP Bromoform	0.258	0.240	7.0	100	0.00
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	0.748	0.726	2.9	100	0.00
58 TMP n-Propylbenzene	3.027	2.950	2.5	100	0.00
59 TMP Bromobenzene	0.740	0.683	7.7	100	0.00
60 TMP 1,3,5-Trimethylbenzene	2.224	2.254	-1.3	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.717	0.659	8.1	100	0.00
62 TMP 1,2,3-Trichloropropane	0.549	0.474#	13.7	100	0.00
63 TMP 2-Chlorotoluene	1.828	1.727	5.5	100	0.00
64 TMP 4-Chlorotoluene	1.994	1.926	3.4	100	0.00
65 TMP tert-Butylbenzene	1.953	2.072	-6.1	100	0.00
66 TMP 1,2,4-Trimethylbenzene	2.250	2.305	-2.4	100	0.00
67 TMP sec-Butylbenzene	2.892	3.034	-4.9	100	0.00
68 TMP p-Isopropyltoluene	2.502	2.647	-5.8	100	0.00
69 TMP 1,3-Dichlorobenzene	1.434	1.353	5.6	100	0.00
70 TMP 1,4-Dichlorobenzene	1.430	1.367	4.4	100	0.00
71 TMP 1,2-Dichlorobenzene	1.428	1.372	3.9	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	0.145	0.143	1.4	100	0.00
73 TMP 1,2,4-Trichlorobenzene	1.063	1.135	-6.8	100	0.00
74 TMP Hexachlorobutadiene	0.623	0.622	0.2	100	0.00
75 TMP Naphthalene	2.362	2.650	-12.2	100	0.00
76 TMP 1,2,3-Trichlorobenzene	0.987	1.061	-7.5	100	0.00

(#) = Out of Range

SPCC's out = 2 CCC's out = 0

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110332.D
 Acq On : 03 Nov 2022 06:38 pm
 Operator : LM
 Sample : 150 ppb 8260 ICAL 67-177T
 Misc : soil/water
 ALS Vial : 22 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 14:09:22 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 14:08:49 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	4.63	96	58941	10.000	ppb	0.00	
39) Chlorobenzene-d5	7.27	117	44229	10.000	ppb	0.00	
56) 1,4-Dichlorobenzene-d4	9.48	152	25485	10.000	ppb	0.00	
System Monitoring Compounds							
3) Dibromofluoromethane	4.08	113	15675	9.392	ppb	0.00	
Spiked Amount	10.000		Range 50 - 150	Recovery =	93.90%		
30) 1,2-Dichloroethane-d4	4.36	102	3446	9.279	ppb	0.00	
Spiked Amount	10.000		Range 79 - 128	Recovery =	92.80%		
35) Toluene-d8	5.98	98	53919	10.305	ppb	0.00	
Spiked Amount	10.000		Range 84 - 121	Recovery =	103.10%		
57) 4-Bromofluorobenzene	8.38	95	18999	9.969	ppb	0.00	
Spiked Amount	10.000		Range 84 - 116	Recovery =	99.70%		
Target Compounds							
							Qvalue
2) Ethanol	0.00		0	N.D.			
4) Dichlorodifluoromethane	1.09	85	619964	136.370	ppb		98
5) Chloromethane	1.23	50	698100	126.398	ppb		97
6] Vinyl chloride	1.30	62	647744	131.140	ppb		95
7) Bromomethane	1.53	94	377489	130.572	ppb		92
8] Chloroethane	1.60	64	318796	128.637	ppb		97
9) Trichlorofluoromethane	1.77	101	698291	130.127	ppb		93
10) 2-Propanol	2.40	45	239	No Calib			
11) Acetone	2.26	58	180022	663.291	ppb		86
12] 1,1-Dichloroethene	2.20	96	200014	129.471	ppb		90
13) Hexane	3.05	57	331631	137.926	ppb		99
14) Methylene chloride	2.61	84	218413	137.352	ppb		95
15) t-Butyl alcohol (TBA)	2.73	59	136497	682.862	ppb		100
16] Methyl t-butyl ether (...)	2.84	73	545356	132.569	ppb		97
17] trans-1,2-Dichloroethene	2.83	96	218208	124.939	ppb		87
18) Diisopropyl ether (DIPE)	3.24	45	657174	129.392	ppb		98
19] 1,1-Dichloroethane	3.18	63	394689	127.162	ppb		95
20) Ethyl t-butyl ether (E...)	3.55	87	227940	133.336	ppb		97
21) 2,2-Dichloropropane	3.67	77	261418	124.452	ppb		100
22] cis-1,2-Dichloroethene	3.67	96	235614	126.693	ppb		88
23) Chloroform	3.95	83	360889	123.323	ppb		100
24) 2-Butanone (MEK)	3.70	43	670378	667.472	ppb		98
25) t-Amyl methyl ether (T...)	4.49	73	519446	131.015	ppb		99
26] 1,2-Dichloroethane (EDC)	4.42	62	276873	125.312	ppb		96
27] 1,1,1-Trichloroethane	4.08	97	331311	131.298	ppb		93
28) 1,1-Dichloropropene	4.22	75	279335	136.779	ppb		98
29) Carbon tetrachloride	4.22	117	290642	132.539	ppb		97
31] Benzene	4.39	78	806259	138.602	ppb		98
32] Trichloroethene	4.93	95	235630	128.550	ppb		85
33) 1,2-Dichloropropane	5.13	63	207793	132.370	ppb		99
34) Bromodichloromethane	5.37	83	260565	138.524	ppb		93
36) Dibromomethane	5.23	93	128906	134.789	ppb		99

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110332.D
 Acq On : 03 Nov 2022 06:38 pm
 Operator : LM
 Sample : 150 ppb 8260 ICAL 67-177T
 Misc : soil/water
 ALS Vial : 22 Sample Multiplier: 1
 InstName : GCMS11

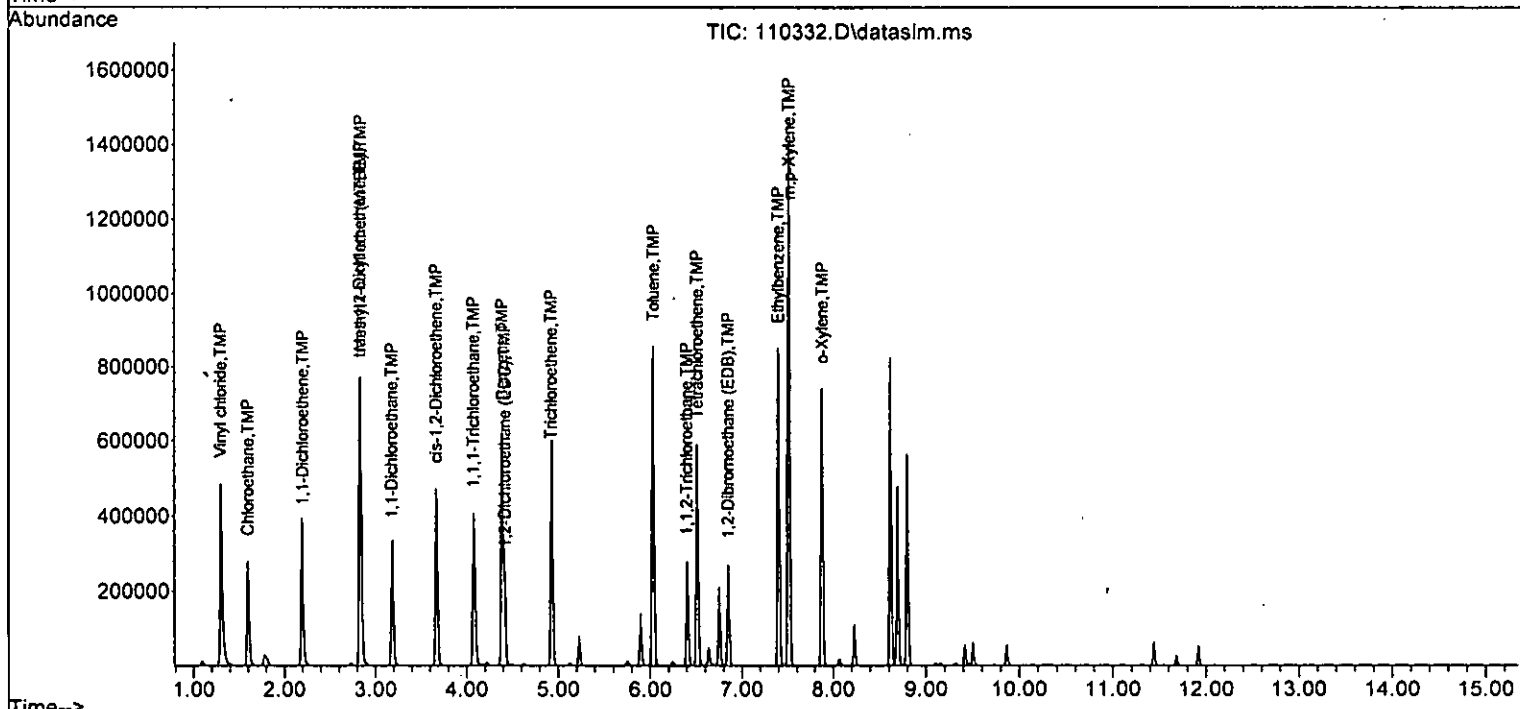
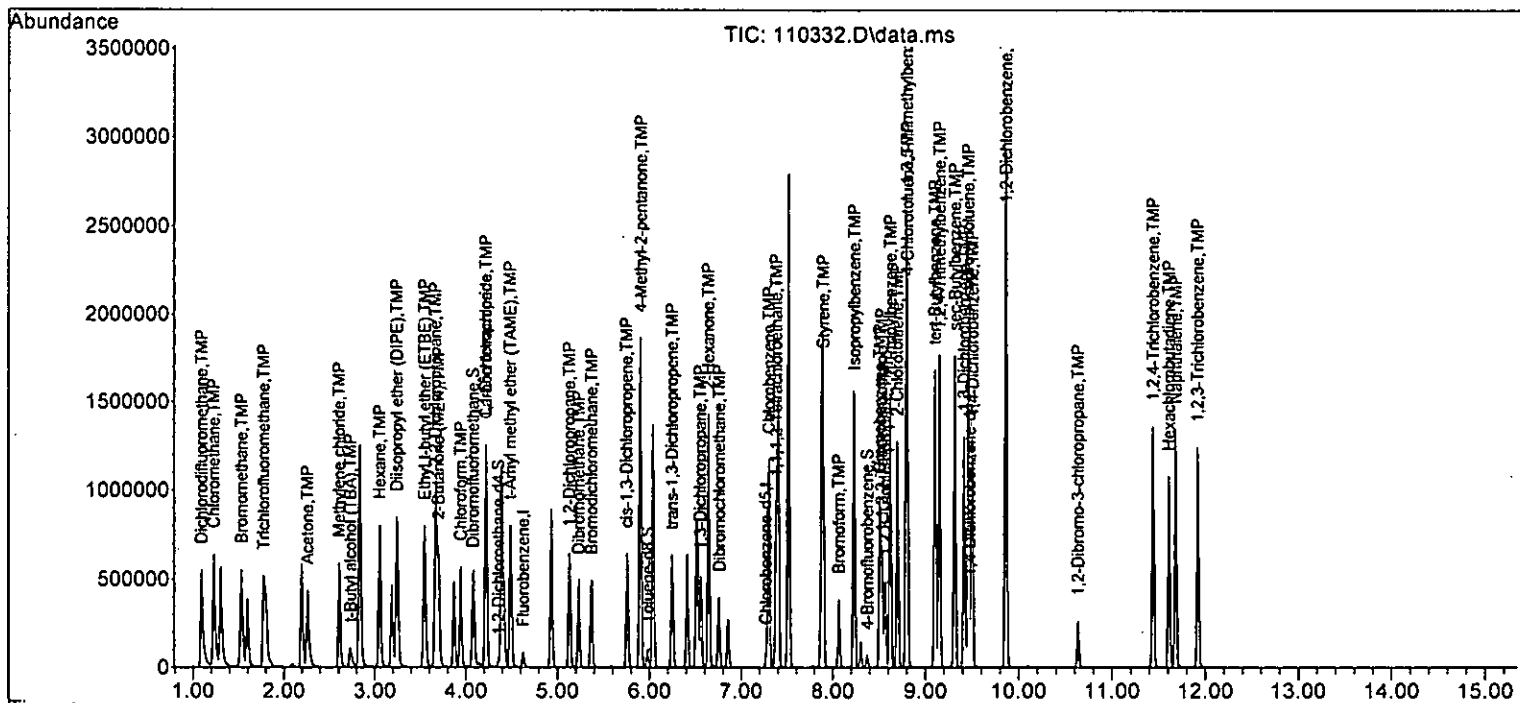
Quant Time: Nov 07 14:09:22 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 14:08:49 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	5.91	85	184909	692.318	ppb	92
38) cis-1,3-Dichloropropene	5.75	75	307796	143.626	ppb	99
40] Toluene	6.04	92	497180	129.372	ppb	98
41) trans-1,3-Dichloropropene	6.25	75	257935	143.830	ppb	98
42] 1,1,2-Trichloroethane	6.40	83	145595	141.638	ppb	94
43) 2-Hexanone	6.64	43	739776	624.127	ppb	96
44) 1,3-Dichloropropane	6.55	76	255049	134.149	ppb	99
45] Tetrachloroethene	6.51	164	208826	141.487	ppb	97
46) Dibromochloromethane	6.76	129	206586	135.747	ppb	93
47] 1,2-Dibromoethane (EDB)	6.85	107	183615	131.035	ppb	98
48) Chlorobenzene	7.30	112	558831	137.021	ppb	98
49] Ethylbenzene	7.40	91	914864	128.879	ppb	89
50) 1,1,1,2-Tetrachloroethane	7.38	131	213004	135.376	ppb	98
51] m,p-Xylene	7.52	106	722754	260.978	ppb	94
52] o-Xylene	7.88	106	365550	132.824	ppb	93
53) Styrene	7.90	104	575305	143.454	ppb	96
54) Isopropylbenzene	8.23	105	962810	139.447	ppb	99
55) Bromoform	8.07	173	156861	137.595	ppb	98
58) n-Propylbenzene	8.63	91	1075504	139.400	ppb	99
59) Bromobenzene	8.51	156	258727	137.140	ppb	96
60) 1,3,5-Trimethylbenzene	8.80	105	809643	142.860	ppb	95
61) 1,1,2,2-Tetrachloroethane	8.53	83	239049	130.820	ppb	99
62) 1,2,3-Trichloropropane	8.57	75	173919	124.208	ppb	97
63) 2-Chlorotoluene	8.70	91	626465	134.471	ppb	99
64) 4-Chlorotoluene	8.81	91	709853	139.656	ppb	97
65) tert-Butylbenzene	9.10	119	749027	150.511	ppb	99
66) 1,2,4-Trimethylbenzene	9.15	105	835656	145.756	ppb	99
67) sec-Butylbenzene	9.32	105	1097621	148.949	ppb	100
68) p-Isopropyltoluene	9.46	119	950926	149.144	ppb	98
69) 1,3-Dichlorobenzene	9.42	146	492113	134.663	ppb	99
70) 1,4-Dichlorobenzene	9.51	146	490401	134.563	ppb	98
71) 1,2-Dichlorobenzene	9.86	146	482763	132.614	ppb	97
72) 1,2-Dibromo-3-chloropr...	10.63	75	49831	134.514	ppb	86
73) 1,2,4-Trichlorobenzene	11.44	180	398165	146.985	ppb	97
74) Hexachlorobutadiene	11.61	225	218179	137.422	ppb	99
75) Naphthalene	11.68	128	927709	154.095	ppb	99
76) 1,2,3-Trichlorobenzene	11.92	180	371746	147.774	ppb	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110332.D
 Acq On : 03 Nov 2022 06:38 pm
 Operator : LM
 Sample : 150 ppb 8260 ICAL 67-177T
 Misc : soil/water
 ALS Vial : 22 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 14:09:22 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 14:08:49 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M



Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110332.D
 Acq On : 03 Nov 2022 06:38 pm
 Operator : LM
 Sample : 150 ppb 8260 ICAL 67-177T
 Misc : soil/water
 ALS Vial : 22 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 14:09:22 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 14:08:49 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I Fluorobenzene	10.000	10.000	0.0	100	0.00
2 TMP Ethanol	-1.000	0.000	0.0	0	-1.86#
3 S Dibromofluoromethane	10.000	9.392	6.1	100	0.00
4 TMP Dichlorodifluoromethane	150.000	136.370	9.1	100	0.00
5 TMP Chloromethane	150.000	126.398	15.7	100	0.00
6 TMP Vinyl chloride	150.000	131.140	12.6	100	0.00
7 TMP Bromomethane	150.000	130.572	13.0	100	0.00
8 TMP Chloroethane	150.000	128.637	14.2	100	0.00
9 TMP Trichlorofluoromethane	150.000	130.127	13.2	100	0.00
10 TMP 2-Propanol	-1.000	0.000	0.0	0	-0.03
11 TMP Acetone	750.000	663.291	11.6	100	0.00
12 TMP 1,1-Dichloroethene	150.000	129.471	13.7	100	0.02
13 TMP Hexane	150.000	137.926	8.0	100	0.00
14 TMP Methylene chloride	150.000	137.352	8.4	100	0.00
15 TMP t-Butyl alcohol (TBA)	750.000	682.862	9.0	100	0.00
16 TMP Methyl t-butyl ether (MTBE)	150.000	132.569	11.6	100	0.00
17 TMP trans-1,2-Dichloroethene	150.000	124.939	16.7	100	0.00
18 TMP Diisopropyl ether (DIPE)	150.000	129.392	13.7	100	0.00
19 TMP 1,1-Dichloroethane	150.000	127.162	15.2	100	0.00
20 TMP Ethyl t-butyl ether (ETBE)	150.000	133.336	11.1	100	0.00
21 TMP 2,2-Dichloropropane	150.000	124.452	17.0	100	0.00
22 TMP cis-1,2-Dichloroethene	150.000	126.693	15.5	100	0.00
23 TMP Chloroform	150.000	123.323	17.8	100	0.00
24 TMP 2-Butanone (MEK)	750.000	667.472	11.0	100	0.00
25 TMP t-Amyl methyl ether (TAME)	150.000	131.015	12.7	100	0.00
26 TMP 1,2-Dichloroethane (EDC)	150.000	125.312	16.5	100	0.00
27 TMP 1,1,1-Trichloroethane	150.000	131.298	12.5	100	0.00
28 TMP 1,1-Dichloropropene	150.000	136.779	8.8	100	0.00
29 TMP Carbon tetrachloride	150.000	132.539	11.6	100	0.00
30 S 1,2-Dichloroethane-d4	10.000	9.279	7.2	100	0.00
31 TMP Benzene	150.000	138.602	7.6	100	0.00
32 TMP Trichloroethene	150.000	128.550	14.3	100	0.00
33 TMP 1,2-Dichloropropane	150.000	132.370	11.8	100	0.00
34 TMP Bromodichloromethane	150.000	138.524	7.7	100	0.00
35 S Toluene-d8	10.000	10.305	-3.0	100	0.00
36 TMP Dibromomethane	150.000	134.789	10.1	100	0.00
37 TMP 4-Methyl-2-pentanone	750.000	692.318	7.7	100	0.00
38 TMP cis-1,3-Dichloropropene	150.000	143.626	4.2	100	0.00
39 I Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40 TMP Toluene	150.000	129.372	13.8	100	0.01
41 TMP trans-1,3-Dichloropropene	150.000	143.830	4.1	100	0.00
42 TMP 1,1,2-Trichloroethane	150.000	141.638	5.6	100	0.00
43 TMP 2-Hexanone	750.000	624.127	16.8	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110332.D
 Acq On : 03 Nov 2022 06:38 pm
 Operator : LM
 Sample : 150 ppb 8260 ICAL 67-177T
 Misc : soil/water
 ALS Vial : 22 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 14:09:22 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 14:08:49 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	150.000	134.149	10.6	100	0.00
45 TMP Tetrachloroethene	150.000	141.487	5.7	100	0.00
46 TMP Dibromochloromethane	150.000	135.747	9.5	100	0.01
47 TMP 1,2-Dibromoethane (EDB)	150.000	131.035	12.6	100	0.00
48 TMP Chlorobenzene	150.000	137.021	8.7	100	0.00
49 TMP Ethylbenzene	150.000	128.879	14.1	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	150.000	135.376	9.7	100	0.00
51 TMP m,p-Xylene	300.000	260.978	13.0	100	0.00
52 TMP o-Xylene	150.000	132.824	11.5	100	0.00
53 TMP Styrene	150.000	143.454	4.4	100	0.00
54 TMP Isopropylbenzene	150.000	139.447	7.0	100	0.00
55 TMP Bromoform	150.000	137.595	8.3	100	0.00
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	10.000	9.969	0.3	100	0.00
58 TMP n-Propylbenzene	150.000	139.400	7.1	100	0.00
59 TMP Bromobenzene	150.000	137.140	8.6	100	0.00
60 TMP 1,3,5-Trimethylbenzene	150.000	142.860	4.8	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	150.000	130.820	12.8	100	0.00
62 TMP 1,2,3-Trichloropropane	150.000	124.208	17.2	100	0.00
63 TMP 2-Chlorotoluene	150.000	134.471	10.4	100	0.00
64 TMP 4-Chlorotoluene	150.000	139.656	6.9	100	0.00
65 TMP tert-Butylbenzene	150.000	150.511	-0.3	100	0.00
66 TMP 1,2,4-Trimethylbenzene	150.000	145.756	2.8	100	0.00
67 TMP sec-Butylbenzene	150.000	148.949	0.7	100	0.00
68 TMP p-Isopropyltoluene	150.000	149.144	0.6	100	0.00
69 TMP 1,3-Dichlorobenzene	150.000	134.663	10.2	100	0.00
70 TMP 1,4-Dichlorobenzene	150.000	134.563	10.3	100	0.00
71 TMP 1,2-Dichlorobenzene	150.000	132.614	11.6	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	150.000	134.514	10.3	100	0.00
73 TMP 1,2,4-Trichlorobenzene	150.000	146.985	2.0	100	0.00
74 TMP Hexachlorobutadiene	150.000	137.422	8.4	100	0.00
75 TMP Naphthalene	150.000	154.095	-2.7	100	0.00
76 TMP 1,2,3-Trichlorobenzene	150.000	147.774	1.5	100	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110332.D
 Acq On : 03 Nov 2022 06:38 pm
 Operator : LM
 Sample : 150 ppb 8260 ICAL 67-177T
 Misc : soil/water
 ALS Vial : 22 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 14:09:22 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 14:08:49 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2 TMP	Ethanol	0.000	0.000#	0.0	0#	-1.86#
3 S	Dibromofluoromethane	0.283	0.266	6.0	100	0.00
4 TMP	Dichlorodifluoromethane	0.771	0.701	9.1	100	0.00
5 TMP	Chloromethane	0.937	0.790	15.7	100	0.00
6 TMP	Vinyl chloride	0.838	0.733	12.5	100	0.00
7 TMP	Bromomethane	0.490	0.427	12.9	100	0.00
8 TMP	Chloroethane	0.420	0.361	14.0	100	0.00
9 TMP	Trichlorofluoromethane	0.910	0.790	13.2	100	0.00
10 TMP	2-Propanol	0.000	0.000	0.0	0#	-0.03
11 TMP	Acetone	0.046	0.041	10.9	100	0.00
12 TMP	1,1-Dichloroethene	0.262	0.226	13.7	100	0.02
13 TMP	Hexane	0.408	0.375	8.1	100	0.00
14 TMP	Methylene chloride	0.307	0.247	19.5	100	0.00
15 TMP	t-Butyl alcohol (TBA)	0.034	0.031	8.8	100	0.00
16 TMP	Methyl t-butyl ether (MTBE)	0.698	0.617	11.6	100	0.00
17 TMP	trans-1,2-Dichloroethene	0.296	0.247	16.6	100	0.00
18 TMP	Diisopropyl ether (DIPE)	0.862	0.743	13.8	100	0.00
19 TMP	1,1-Dichloroethane	0.527	0.446	15.4	100	0.00
20 TMP	Ethyl t-butyl ether (ETBE)	0.290	0.258	11.0	100	0.00
21 TMP	2,2-Dichloropropane	0.356	0.296	16.9	100	0.00
22 TMP	cis-1,2-Dichloroethene	0.316	0.266	15.8	100	0.00
23 TMP	Chloroform	0.496	0.408	17.7	100	0.00
24 TMP	2-Butanone (MEK)	0.170	0.152	10.6	100	0.00
25 TMP	t-Amyl methyl ether (TAME)	0.673	0.588	12.6	100	0.00
26 TMP	1,2-Dichloroethane (EDC)	0.375	0.313	16.5	100	0.00
27 TMP	1,1,1-Trichloroethane	0.428	0.375	12.4	100	0.00
28 TMP	1,1-Dichloropropene	0.346	0.316	8.7	100	0.00
29 TMP	Carbon tetrachloride	0.372	0.329	11.6	100	0.00
30 S	1,2-Dichloroethane-d4	0.063	0.058	7.9	100	0.00
31 TMP	Benzene	1.078	0.912	15.4	100	0.00
32 TMP	Trichloroethene	0.311	0.267	14.1	100	0.00
33 TMP	1,2-Dichloropropane	0.266	0.235	11.7	100	0.00
34 TMP	Bromodichloromethane	0.319	0.295	7.5	100	0.00
35 S	Toluene-d8	0.888	0.915	-3.0	100	0.00
36 TMP	Dibromomethane	0.162	0.146	9.9	100	0.00
37 TMP	4-Methyl-2-pentanone	0.045	0.042	6.7	100	0.00
38 TMP	cis-1,3-Dichloropropene	0.364	0.348	4.4	100	0.00
39 I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40 TMP	Toluene	0.869	0.749	13.8	100	0.01
41 TMP	trans-1,3-Dichloropropene	0.405	0.389	4.0	100	0.00
42 TMP	1,1,2-Trichloroethane	0.260	0.219	15.8	100	0.00
43 TMP	2-Hexanone	0.268	0.223	16.8	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110332.D
 Acq On : 03 Nov 2022 06:38 pm
 Operator : LM
 Sample : 150 ppb 8260 ICAL 67-177T
 Misc : soil/water
 ALS Vial : 22 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 14:09:22 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 14:08:49 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.430	0.384	10.7	100	0.00
45 TMP Tetrachloroethene	0.406	0.315	22.4#	100	0.00
46 TMP Dibromochloromethane	0.344	0.311	9.6	100	0.01
47 TMP 1,2-Dibromoethane (EDB)	0.317	0.277	12.6	100	0.00
48 TMP Chlorobenzene	0.922	0.842	8.7	100	0.00
49 TMP Ethylbenzene	1.605	1.379	14.1	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.356	0.321	9.8	100	0.00
51 TMP m,p-Xylene	0.626	0.545	12.9	100	0.00
52 TMP o-Xylene	0.622	0.551	11.4	100	0.00
53 TMP Styrene	0.907	0.867	4.4	100	0.00
54 TMP Isopropylbenzene	1.561	1.451	7.0	100	0.00
55 TMP Bromoform	0.258	0.236	8.5	100	0.00
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	0.748	0.745	0.4	100	0.00
58 TMP n-Propylbenzene	3.027	2.813	7.1	100	0.00
59 TMP Bromobenzene	0.740	0.677	8.5	100	0.00
60 TMP 1,3,5-Trimethylbenzene	2.224	2.118	4.8	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.717	0.625	12.8	100	0.00
62 TMP 1,2,3-Trichloropropane	0.549	0.455#	17.1	100	0.00
63 TMP 2-Chlorotoluene	1.828	1.639	10.3	100	0.00
64 TMP 4-Chlorotoluene	1.994	1.857	6.9	100	0.00
65 TMP tert-Butylbenzene	1.953	1.959	-0.3	100	0.00
66 TMP 1,2,4-Trimethylbenzene	2.250	2.186	2.8	100	0.00
67 TMP sec-Butylbenzene	2.892	2.871	0.7	100	0.00
68 TMP p-Isopropyltoluene	2.502	2.488	0.6	100	0.00
69 TMP 1,3-Dichlorobenzene	1.434	1.287	10.3	100	0.00
70 TMP 1,4-Dichlorobenzene	1.430	1.283	10.3	100	0.00
71 TMP 1,2-Dichlorobenzene	1.428	1.263	11.6	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	0.145	0.130	10.3	100	0.00
73 TMP 1,2,4-Trichlorobenzene	1.063	1.042	2.0	100	0.00
74 TMP Hexachlorobutadiene	0.623	0.571	8.3	100	0.00
75 TMP Naphthalene	2.362	2.427	-2.8	100	0.00
76 TMP 1,2,3-Trichlorobenzene	0.987	0.972	1.5	100	0.00

(#) = Out of Range

SPCC's out = 2 CCC's out = 0

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110333.D
 Acq On : 03 Nov 2022 07:01 pm
 Operator : LM
 Sample : 200 ppb 8260 ICAL 67-177U
 Misc : soil/water
 ALS Vial : 23 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 14:09:24 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 14:08:49 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	4.63	96	58470	10.000	ppb	0.00
39) Chlorobenzene-d5	7.27	117	44224	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	25881	10.000	ppb	# 0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.08	113	15792	9.538	ppb	0.00
Spiked Amount	10.000	Range 50 - 150	Recovery	=	95.40%	
30) 1,2-Dichloroethane-d4	4.36	102	3460	9.392	ppb	0.00
Spiked Amount	10.000	Range 79 - 128	Recovery	=	93.90%	
35) Toluene-d8	5.98	98	52614	10.137	ppb	0.00
Spiked Amount	10.000	Range 84 - 121	Recovery	=	101.40%	
57) 4-Bromofluorobenzene	8.38	95	19168	9.904	ppb	0.00
Spiked Amount	10.000	Range 84 - 116	Recovery	=	99.00%	
Target Compounds						
2) Ethanol	0.00		0	N.D.		Qvalue
4) Dichlorodifluoromethane	1.09	85	923534	204.781	ppb	97
5) Chloromethane	1.23	50	1044370	190.617	ppb	96
6] Vinyl chloride	1.30	62	952961	194.487	ppb	94
7) Bromomethane	1.53	94	557878	194.522	ppb	91
8] Chloroethane	1.60	64	467414	190.125	ppb	97
9) Trichlorofluoromethane	1.78	101	1077496	202.410	ppb	94
10) 2-Propanol	2.40	45	441	No Calib		
11) Acetone	2.26	58	270195	1003.553	ppb	# 85
12] 1,1-Dichloroethene	2.20	96	295111	192.568	ppb	91
13) Hexane	3.05	57	471020	197.476	ppb	99
14) Methylene chloride	2.61	84	321874	208.320	ppb	96
15) t-Butyl alcohol (TBA)	2.73	59	209068	1054.343	ppb	96
16] Methyl t-butyl ether (...)	2.84	73	808001	197.996	ppb	97
17] trans-1,2-Dichloroethene	2.84	96	320406	184.933	ppb	97
18) Diisopropyl ether (DIPE)	3.24	45	1048411	208.087	ppb	98
19] 1,1-Dichloroethane	3.19	63	578913	188.018	ppb	98
20) Ethyl t-butyl ether (E...)	3.55	87	344792	203.315	ppb	94
21) 2,2-Dichloropropane	3.67	77	413186	198.289	ppb	98
22] cis-1,2-Dichloroethene	3.67	96	346805	187.984	ppb	88
23) Chloroform	3.95	83	535649	184.517	ppb	100
24) 2-Butanone (MEK)	3.70	43	1011306	1015.033	ppb	98
25) t-Amyl methyl ether (T...)	4.49	73	770594	195.925	ppb	98
26] 1,2-Dichloroethane (EDC)	4.42	62	406793	185.596	ppb	96
27] 1,1,1-Trichloroethane	4.08	97	488733	195.244	ppb	92
28) 1,1-Dichloropropene	4.22	75	414729	204.712	ppb	98
29) Carbon tetrachloride	4.22	117	434543	199.757	ppb	98
31] Benzene	4.39	78	1186111	208.349	ppb	99
32] Trichloroethene	4.93	95	348968	191.916	ppb	84
33) 1,2-Dichloropropane	5.13	63	309005	198.430	ppb	100
34) Bromodichloromethane	5.37	83	387888	207.873	ppb	94
36) Dibromomethane	5.23	93	188980	199.196	ppb	98

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110333.D
 Acq On : 03 Nov 2022 07:01 pm
 Operator : LM
 Sample : 200 ppb 8260 ICAL 67-177U
 Misc : soil/water
 ALS Vial : 23 Sample Multiplier: 1
 InstName : GCMS11

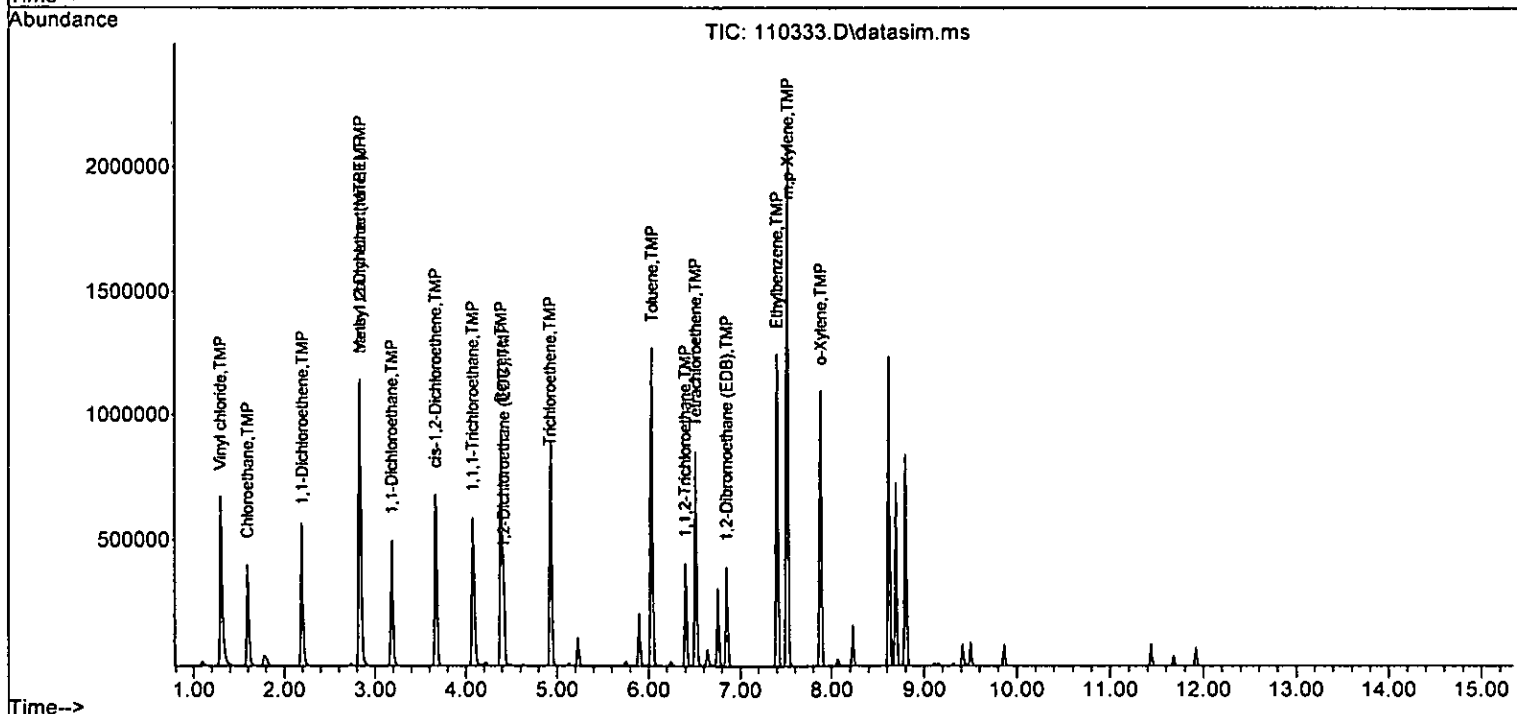
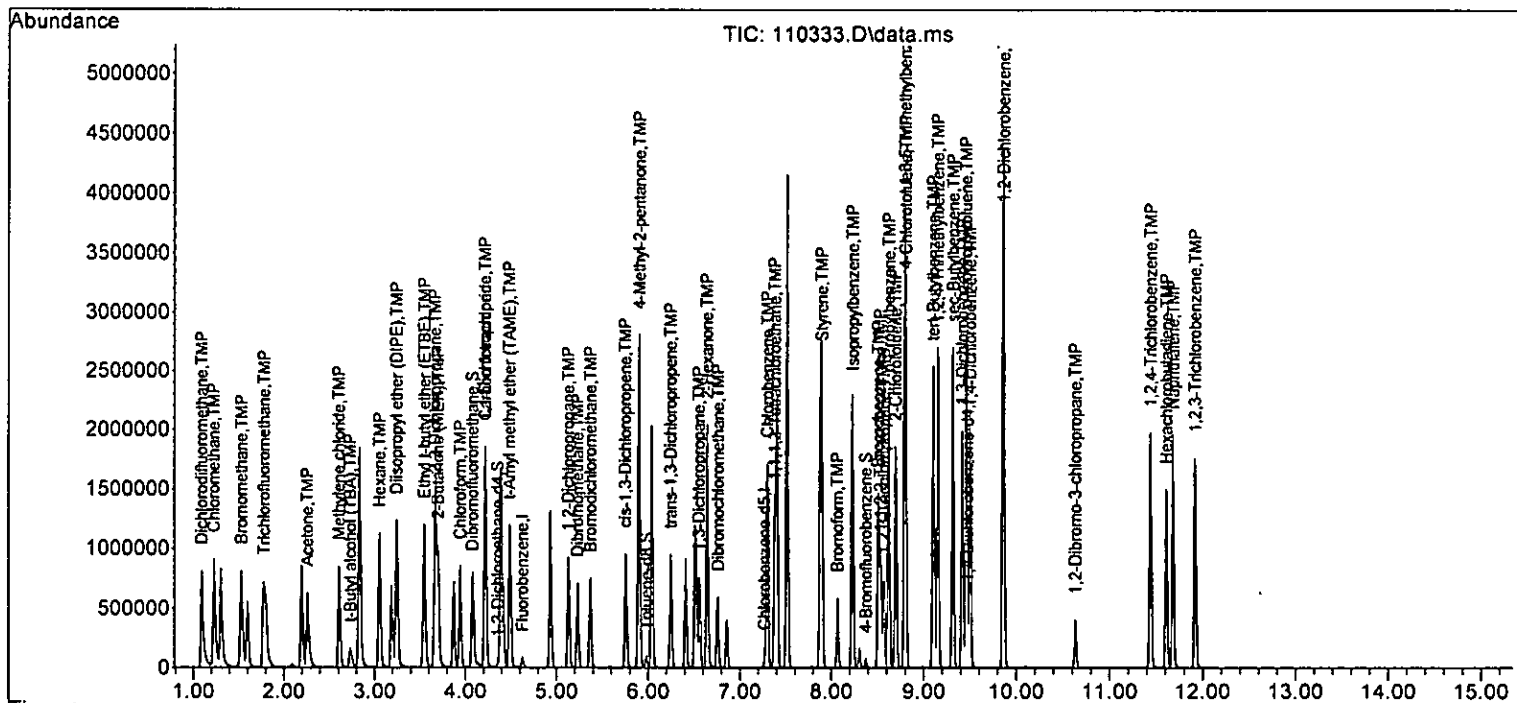
Quant Time: Nov 07 14:09:24 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 14:08:49 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	5.91	85	277914	1048.920	ppb	96
38) cis-1,3-Dichloropropene	5.75	75	459080	215.945	ppb	99
40) Toluene	6.04	92	730422	190.086	ppb	97
41) trans-1,3-Dichloropropene	6.25	75	378961	211.341	ppb	98
42] 1,1,2-Trichloroethane	6.40	83	211868	207.517	ppb	93
43) 2-Hexanone	6.64	43	1068086	901.214	ppb	95
44) 1,3-Dichloropropane	6.55	76	372968	196.193	ppb	99
45] Tetrachloroethene	6.51	164	300076	206.701	ppb	97
46) Dibromochloromethane	6.76	129	305857	201.000	ppb	94
47] 1,2-Dibromoethane (EDB)	6.85	107	263770	188.258	ppb	99
48) Chlorobenzene	7.30	112	826107	202.578	ppb	98
49] Ethylbenzene	7.40	91	1342698	189.170	ppb	90
50) 1,1,1,2-Tetrachloroethane	7.38	131	318504	202.450	ppb	99
51] m,p-Xylene	7.52	106	1062523	383.708	ppb	95
52] o-Xylene	7.88	106	541147	196.649	ppb	93
53) Styrene	7.90	104	853888	212.944	ppb	96
54) Isopropylbenzene	8.23	105	1436539	208.083	ppb	99
55) Bromoform	8.07	173	238515	209.244	ppb	100
58) n-Propylbenzene	8.63	91	1595566	203.642	ppb	99
59) Bromobenzene	8.51	156	389539	203.318	ppb	96
60) 1,3,5-Trimethylbenzene	8.80	105	1215827	211.247	ppb	95
61) 1,1,2,2-Tetrachloroethane	8.53	83	358176	193.013	ppb	99
62) 1,2,3-Trichloropropane	8.57	75	263136	185.049	ppb	97
63) 2-Chlorotoluene	8.70	91	939147	198.504	ppb	99
64) 4-Chlorotoluene	8.81	91	1070002	207.291	ppb	98
65) tert-Butylbenzene	9.10	119	1131352	223.858	ppb	99
66) 1,2,4-Trimethylbenzene	9.15	105	1257313	215.947	ppb	98
67) sec-Butylbenzene	9.32	105	1644991	219.812	ppb	99
68) p-Isopropyltoluene	9.46	119	1422152	219.638	ppb	97
69) 1,3-Dichlorobenzene	9.42	146	745257	200.813	ppb	100
70) 1,4-Dichlorobenzene	9.50	146	752250	203.255	ppb	97
71) 1,2-Dichlorobenzene	9.86	146	739850	200.125	ppb	98
72) 1,2-Dibromo-3-chloropr...	10.63	75	77825	206.867	ppb	85
73) 1,2,4-Trichlorobenzene	11.44	180	592582	215.408	ppb	96
74) Hexachlorobutadiene	11.61	225	310496	192.576	ppb	98
75) Naphthalene	11.68	128	1384919	226.519	ppb	99
76) 1,2,3-Trichlorobenzene	11.92	180	545488	213.521	ppb	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110333.D
 Acq On : 03 Nov 2022 07:01 pm
 Operator : LM
 Sample : 200 ppb 8260 ICAL 67-177U
 Misc : soil/water
 ALS Vial : 23 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 14:09:24 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 14:08:49 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M



Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110333.D
 Acq On : 03 Nov 2022 07:01 pm
 Operator : LM
 Sample : 200 ppb 8260 ICAL 67-177U
 Misc : soil/water
 ALS Vial : 23 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 14:09:24 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 14:08:49 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2 TMP	Ethanol	-1.000	0.000	0.0	0	-1.86#
3 S	Dibromofluoromethane	10.000	9.538	4.6	100	0.00
4 TMP	Dichlorodifluoromethane	200.000	204.781	-2.4	100	0.00
5 TMP	Chloromethane	200.000	190.617	4.7	100	0.00
6 TMP	Vinyl chloride	200.000	194.487	2.8	100	0.00
7 TMP	Bromomethane	200.000	194.522	2.7	100	0.00
8 TMP	Chloroethane	200.000	190.125	4.9	100	0.00
9 TMP	Trichlorofluoromethane	200.000	202.410	-1.2	100	0.02
10 TMP	2-Propanol	-1.000	0.000	0.0	0	-0.03
11 TMP	Acetone	1000.000	1003.553	-0.4	100	0.00
12 TMP	1,1-Dichloroethene	200.000	192.568	3.7	100	0.02
13 TMP	Hexane	200.000	197.476	1.3	100	0.00
14 TMP	Methylene chloride	200.000	208.320	-4.2	100	0.00
15 TMP	t-Butyl alcohol (TBA)	1000.000	1054.343	-5.4	100	0.00
16 TMP	Methyl t-butyl ether (MTBE)	200.000	197.996	1.0	100	0.00
17 TMP	trans-1,2-Dichloroethene	200.000	184.933	7.5	100	0.02
18 TMP	Diisopropyl ether (DIPE)	200.000	208.087	-4.0	100	0.00
19 TMP	1,1-Dichloroethane	200.000	188.018	6.0	100	0.02
20 TMP	Ethyl t-butyl ether (ETBE)	200.000	203.315	-1.7	100	0.00
21 TMP	2,2-Dichloropropane	200.000	198.289	0.9	100	0.00
22 TMP	cis-1,2-Dichloroethene	200.000	187.984	6.0	100	0.00
23 TMP	Chloroform	200.000	184.517	7.7	100	0.00
24 TMP	2-Butanone (MEK)	1000.000	1015.033	-1.5	100	0.00
25 TMP	t-Amyl methyl ether (TAME)	200.000	195.925	2.0	100	0.00
26 TMP	1,2-Dichloroethane (EDC)	200.000	185.596	7.2	100	0.00
27 TMP	1,1,1-Trichloroethane	200.000	195.244	2.4	100	0.00
28 TMP	1,1-Dichloropropene	200.000	204.712	-2.4	100	0.00
29 TMP	Carbon tetrachloride	200.000	199.757	0.1	100	0.00
30 S	1,2-Dichloroethane-d4	10.000	9.392	6.1	100	0.00
31 TMP	Benzene	200.000	208.349	-4.2	100	0.00
32 TMP	Trichloroethene	200.000	191.916	4.0	100	0.00
33 TMP	1,2-Dichloropropane	200.000	198.430	0.8	100	0.00
34 TMP	Bromodichloromethane	200.000	207.873	-3.9	100	0.00
35 S	Toluene-d8	10.000	10.137	-1.4	100	0.00
36 TMP	Dibromomethane	200.000	199.196	0.4	100	0.00
37 TMP	4-Methyl-2-pentanone	1000.000	1048.920	-4.9	100	0.00
38 TMP	cis-1,3-Dichloropropene	200.000	215.945	-8.0	100	0.00
39 I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40 TMP	Toluene	200.000	190.086	5.0	100	0.01
41 TMP	trans-1,3-Dichloropropene	200.000	211.341	-5.7	100	0.00
42 TMP	1,1,2-Trichloroethane	200.000	207.517	-3.8	100	0.00
43 TMP	2-Hexanone	1000.000	901.214	9.9	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110333.D
 Acq On : 03 Nov 2022 07:01 pm
 Operator : LM
 Sample : 200 ppb 8260 ICAL 67-177U
 Misc : soil/water
 ALS Vial : 23 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 14:09:24 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 14:08:49 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	200.000	196.193	1.9	100	0.00
45 TMP Tetrachloroethene	200.000	206.701	-3.4	100	0.00
46 TMP Dibromochloromethane	200.000	201.000	-0.5	100	0.01
47 TMP 1,2-Dibromoethane (EDB)	200.000	188.258	5.9	100	0.00
48 TMP Chlorobenzene	200.000	202.578	-1.3	100	0.00
49 TMP Ethylbenzene	200.000	189.170	5.4	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	200.000	202.450	-1.2	100	0.00
51 TMP m,p-Xylene	400.000	383.708	4.1	100	0.00
52 TMP o-Xylene	200.000	196.649	1.7	100	0.00
53 TMP Styrene	200.000	212.944	-6.5	100	0.00
54 TMP Isopropylbenzene	200.000	208.083	-4.0	100	0.00
55 TMP Bromoform	200.000	209.244	-4.6	100	0.00
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	10.000	9.904	1.0	100	0.00
58 TMP n-Propylbenzene	200.000	203.642	-1.8	100	0.00
59 TMP Bromobenzene	200.000	203.318	-1.7	100	0.00
60 TMP 1,3,5-Trimethylbenzene	200.000	211.247	-5.6	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	200.000	193.013	3.5	100	0.00
62 TMP 1,2,3-Trichloropropane	200.000	185.049	7.5	100	0.00
63 TMP 2-Chlorotoluene	200.000	198.504	0.7	100	0.00
64 TMP 4-Chlorotoluene	200.000	207.291	-3.6	100	0.00
65 TMP tert-Butylbenzene	200.000	223.858	-11.9	100	0.00
66 TMP 1,2,4-Trimethylbenzene	200.000	215.947	-8.0	100	0.00
67 TMP sec-Butylbenzene	200.000	219.812	-9.9	100	0.00
68 TMP p-Isopropyltoluene	200.000	219.638	-9.8	100	0.00
69 TMP 1,3-Dichlorobenzene	200.000	200.813	-0.4	100	0.00
70 TMP 1,4-Dichlorobenzene	200.000	203.255	-1.6	100	0.00
71 TMP 1,2-Dichlorobenzene	200.000	200.125	-0.1	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	200.000	206.867	-3.4	100	0.00
73 TMP 1,2,4-Trichlorobenzene	200.000	215.408	-7.7	100	0.00
74 TMP Hexachlorobutadiene	200.000	192.576	3.7	100	0.00
75 TMP Naphthalene	200.000	226.519	-13.3	100	0.00
76 TMP 1,2,3-Trichlorobenzene	200.000	213.521	-6.8	100	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110333.D
 Acq On : 03 Nov 2022 07:01 pm
 Operator : LM
 Sample : 200 ppb 8260 ICAL 67-177U
 Misc : soil/water
 ALS Vial : 23 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 14:09:24 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 14:08:49 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2 TMP	Ethanol	0.000	0.000#	0.0	0#	-1.86#
3 S	Dibromofluoromethane	0.283	0.270	4.6	100	0.00
4 TMP	Dichlorodifluoromethane	0.771	0.790	-2.5	100	0.00
5 TMP	Chloromethane	0.937	0.893	4.7	100	0.00
6 TMP	Vinyl chloride	0.838	0.815	2.7	100	0.00
7 TMP	Bromomethane	0.490	0.477	2.7	100	0.00
8 TMP	Chloroethane	0.420	0.400	4.8	100	0.00
9 TMP	Trichlorofluoromethane	0.910	0.921	-1.2	100	0.02
10 TMP	2-Propanol	0.000	0.000	0.0	0#	-0.03
11 TMP	Acetone	0.046	0.046	0.0	100	0.00
12 TMP	1,1-Dichloroethene	0.262	0.252	3.8	100	0.02
13 TMP	Hexane	0.408	0.403	1.2	100	0.00
14 TMP	Methylene chloride	0.307	0.275	10.4	100	0.00
15 TMP	t-Butyl alcohol (TBA)	0.034	0.036	-5.9	100	0.00
16 TMP	Methyl t-butyl ether (MTBE)	0.698	0.691	1.0	100	0.00
17 TMP	trans-1,2-Dichloroethene	0.296	0.274	7.4	100	0.02
18 TMP	Diisopropyl ether (DIPE)	0.862	0.897	-4.1	100	0.00
19 TMP	1,1-Dichloroethane	0.527	0.495	6.1	100	0.02
20 TMP	Ethyl t-butyl ether (ETBE)	0.290	0.295	-1.7	100	0.00
21 TMP	2,2-Dichloropropane	0.356	0.353	0.8	100	0.00
22 TMP	cis-1,2-Dichloroethene	0.316	0.297	6.0	100	0.00
23 TMP	Chloroform	0.496	0.458	7.7	100	0.00
24 TMP	2-Butanone (MEK)	0.170	0.173	-1.8	100	0.00
25 TMP	t-Amyl methyl ether (TAME)	0.673	0.659	2.1	100	0.00
26 TMP	1,2-Dichloroethane (EDC)	0.375	0.348	7.2	100	0.00
27 TMP	1,1,1-Trichloroethane	0.428	0.418	2.3	100	0.00
28 TMP	1,1-Dichloropropene	0.346	0.355	-2.6	100	0.00
29 TMP	Carbon tetrachloride	0.372	0.372	0.0	100	0.00
30 S	1,2-Dichloroethane-d4	0.063	0.059	6.3	100	0.00
31 TMP	Benzene	1.078	1.014	5.9	100	0.00
32 TMP	Trichloroethene	0.311	0.298	4.2	100	0.00
33 TMP	1,2-Dichloropropane	0.266	0.264	0.8	100	0.00
34 TMP	Bromodichloromethane	0.319	0.332	-4.1	100	0.00
35 S	Toluene-d8	0.888	0.900	-1.4	100	0.00
36 TMP	Dibromomethane	0.162	0.162	0.0	100	0.00
37 TMP	4-Methyl-2-pentanone	0.045	0.048	-6.7	100	0.00
38 TMP	cis-1,3-Dichloropropene	0.364	0.393	-8.0	100	0.00
39 I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40 TMP	Toluene	0.869	0.826	4.9	100	0.01
41 TMP	trans-1,3-Dichloropropene	0.405	0.428	-5.7	100	0.00
42 TMP	1,1,2-Trichloroethane	0.260	0.240	7.7	100	0.00
43 TMP	2-Hexanone	0.268	0.242	9.7	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110333.D
 Acq On : 03 Nov 2022 07:01 pm
 Operator : LM
 Sample : 200 ppb 8260 ICAL 67-177U
 Misc : soil/water
 ALS Vial : 23 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 14:09:24 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 14:08:49 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.430	0.422	1.9	100	0.00
45 TMP Tetrachloroethene	0.406	0.339	16.5	100	0.00
46 TMP Dibromochloromethane	0.344	0.346	-0.6	100	0.01
47 TMP 1,2-Dibromoethane (EDB)	0.317	0.298	6.0	100	0.00
48 TMP Chlorobenzene	0.922	0.934	-1.3	100	0.00
49 TMP Ethylbenzene	1.605	1.518	5.4	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.356	0.360	-1.1	100	0.00
51 TMP m,p-Xylene	0.626	0.601	4.0	100	0.00
52 TMP o-Xylene	0.622	0.612	1.6	100	0.00
53 TMP Styrene	0.907	0.965	-6.4	100	0.00
54 TMP Isopropylbenzene	1.561	1.624	-4.0	100	0.00
55 TMP Bromoform	0.258	0.270	-4.7	100	0.00
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	0.748	0.741	0.9	100	0.00
58 TMP n-Propylbenzene	3.027	3.083	-1.9	100	0.00
59 TMP Bromobenzene	0.740	0.753	-1.8	100	0.00
60 TMP 1,3,5-Trimethylbenzene	2.224	2.349	-5.6	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.717	0.692	3.5	100	0.00
62 TMP 1,2,3-Trichloropropane	0.549	0.508	7.5	100	0.00
63 TMP 2-Chlorotoluene	1.828	1.814	0.8	100	0.00
64 TMP 4-Chlorotoluene	1.994	2.067	-3.7	100	0.00
65 TMP tert-Butylbenzene	1.953	2.186	-11.9	100	0.00
66 TMP 1,2,4-Trimethylbenzene	2.250	2.429	-8.0	100	0.00
67 TMP sec-Butylbenzene	2.892	3.178	-9.9	100	0.00
68 TMP p-Isopropyltoluene	2.502	2.747	-9.8	100	0.00
69 TMP 1,3-Dichlorobenzene	1.434	1.440	-0.4	100	0.00
70 TMP 1,4-Dichlorobenzene	1.430	1.453	-1.6	100	0.00
71 TMP 1,2-Dichlorobenzene	1.428	1.429	-0.1	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	0.145	0.150	-3.4	100	0.00
73 TMP 1,2,4-Trichlorobenzene	1.063	1.145	-7.7	100	0.00
74 TMP Hexachlorobutadiene	0.623	0.600	3.7	100	0.00
75 TMP Naphthalene	2.362	2.676	-13.3	100	0.00
76 TMP 1,2,3-Trichlorobenzene	0.987	1.054	-6.8	100	0.00

(#) = Out of Range

SPCC's out = 1 CCC's out = 0

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110335.D
 Acq On : 03 Nov 2022 07:46 pm
 Operator : LM
 Sample : 10 ppb 8260 SCV 67-182C
 Misc : soil/water
 ALS Vial : 25 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 14:09:28 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 14:08:49 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	4.63	96	60742	10.000	ppb	0.00
39) Chlorobenzene-d5	7.27	117	45630	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	25827	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.08	113	16478	9.580	ppb	0.00
Spiked Amount	10.000	Range 50 - 150	Recovery	=	95.80%	
30) 1,2-Dichloroethane-d4	4.36	102	3868	10.106	ppb	0.00
Spiked Amount	10.000	Range 79 - 128	Recovery	=	101.10%	
35) Toluene-d8	5.98	98	56091	10.403	ppb	0.00
Spiked Amount	10.000	Range 84 - 121	Recovery	=	104.00%	
57) 4-Bromofluorobenzene	8.38	95	19904	10.305	ppb	0.00
Spiked Amount	10.000	Range 84 - 116	Recovery	=	103.10%	
Target Compounds						
2) Ethanol	0.00		0	N.D.		Qvalue
4) Dichlorodifluoromethane	1.09	85	35691	7.618	ppb	100
5) Chloromethane	1.23	50	46850	8.231	ppb	100
6] Vinyl chloride	1.30	62	46815	9.197	ppb	93
7) Bromomethane	1.53	94	28184	9.460	ppb	87
8] Chloroethane	1.60	64	24857	9.733	ppb	97
9) Trichlorofluoromethane	1.77	101	51967	9.397	ppb	94
10) 2-Propanol	0.00		0	N.D.		
11) Acetone	2.26	58	11159	39.896	ppb	90
12] 1,1-Dichloroethene	2.19	96	16823	10.567	ppb	94
13) Hexane	3.05	57	25165	10.156	ppb	99
14) Methylene chloride	2.61	84	20566	9.893	ppb	99
15) t-Butyl alcohol (TBA)	2.73	59	10195	49.491	ppb	94
16] Methyl t-butyl ether (...)	2.84	73	44412	10.476	ppb	97
17] trans-1,2-Dichloroethene	2.83	96	18021	10.012	ppb	92
18) Diisopropyl ether (DIPE)	3.24	45	51714	9.880	ppb	97
19] 1,1-Dichloroethane	3.18	63	33036	10.328	ppb	97
20) Ethyl t-butyl ether (E...)	3.55	87	18388	10.437	ppb	97
21) 2,2-Dichloropropane	3.67	77	21385	9.879	ppb	99
22] cis-1,2-Dichloroethene	3.67	96	19565	10.208	ppb	92
23) Chloroform	3.94	83	28647	9.499	ppb	99
24) 2-Butanone (MEK)	3.70	43	48561	46.917	ppb	98
25) t-Amyl methyl ether (T...)	4.49	73	40895	10.009	ppb	98
26] 1,2-Dichloroethane (EDC)	4.42	62	22722	9.979	ppb	95
27] 1,1,1-Trichloroethane	4.08	97	26251	10.095	ppb	95
28) 1,1-Dichloropropene	4.22	75	22426	10.655	ppb	98
29) Carbon tetrachloride	4.21	117	23108	10.225	ppb	91
31] Benzene	4.39	78	65430	10.633	ppb	97
32] Trichloroethene	4.93	95	19162	10.144	ppb	88
33) 1,2-Dichloropropane	5.13	63	16446	10.166	ppb	99
34) Bromodichloromethane	5.37	83	19412	10.014	ppb	91
36) Dibromomethane	5.23	93	10224	10.374	ppb	97

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110335.D
 Acq On : 03 Nov 2022 07:46 pm
 Operator : LM
 Sample : 10 ppb 8260 SCV 67-182C
 Misc : soil/water
 ALS Vial : 25 Sample Multiplier: 1
 InstName : GCMS11

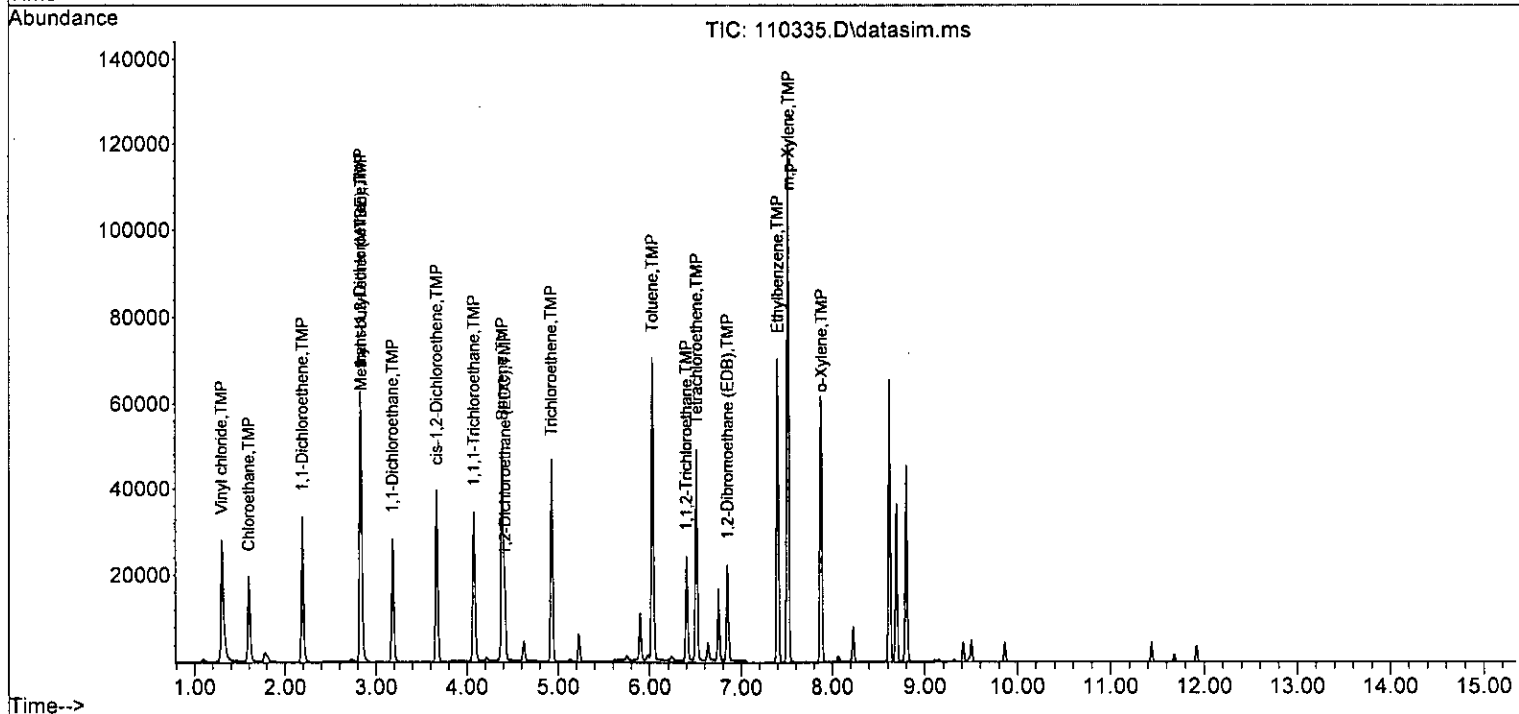
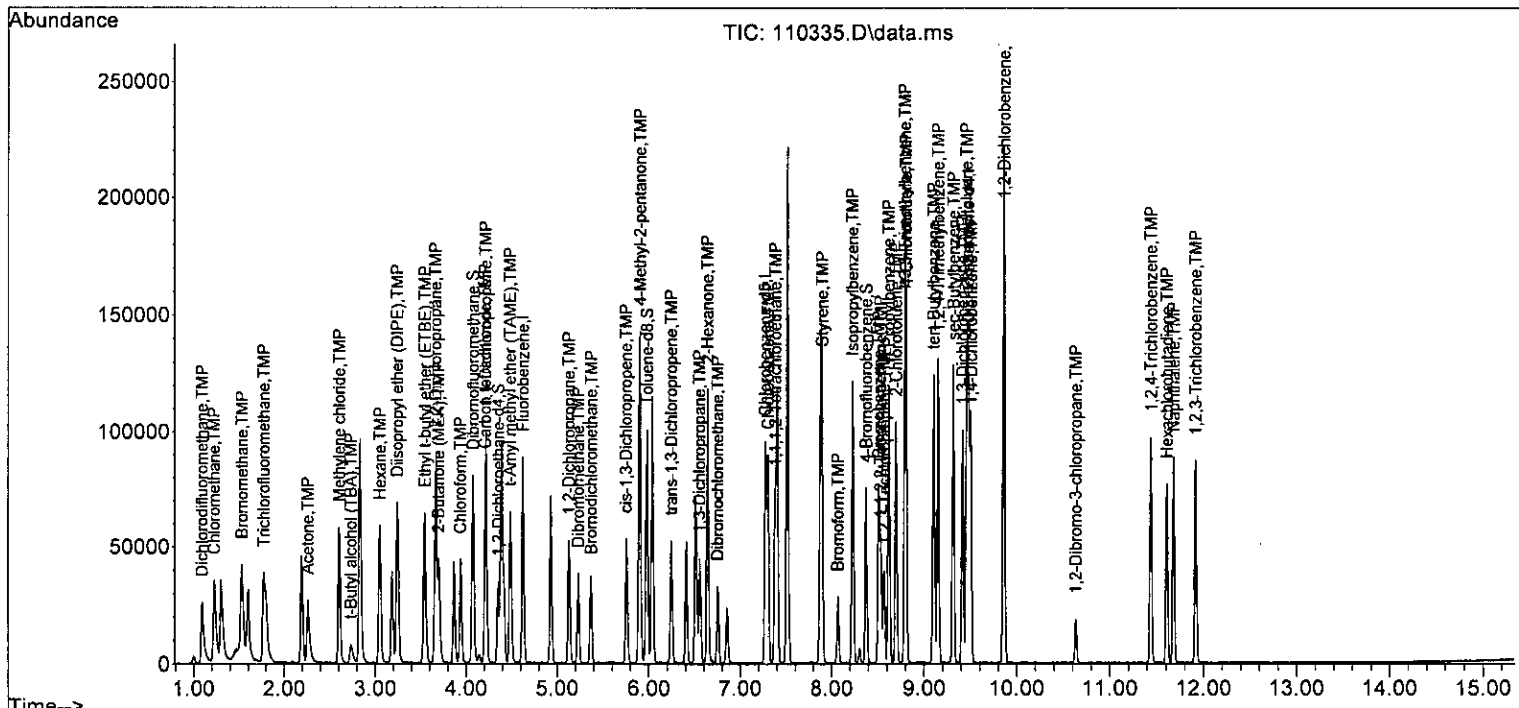
Quant Time: Nov 07 14:09:28 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 14:08:49 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	5.91	85	14288	51.910	ppb	90
38) cis-1,3-Dichloropropene	5.75	75	23669	10.717	ppb	98
40] Toluene	6.03	92	39705	10.014	ppb	92
41) trans-1,3-Dichloropropene	6.25	75	20906	11.300	ppb	97
42] 1,1,2-Trichloroethane	6.40	83	11892	11.040	ppb	92
43) 2-Hexanone	6.64	43	62136	50.813	ppb	98
44) 1,3-Dichloropropane	6.55	76	20659	10.532	ppb	97
45] Tetrachloroethene	6.51	164	16746	10.601	ppb	96
46) Dibromochloromethane	6.75	129	16012	10.198	ppb	96
47] 1,2-Dibromoethane (E08)	6.85	107	14782	10.225	ppb	97
48) Chlorobenzene	7.30	112	43354	10.304	ppb	96
49] Ethylbenzene	7.40	91	73471	10.032	ppb	90
50) 1,1,1,2-Tetrachloroethane	7.38	131	15592	9.605	ppb	95
51] m,p-Xylene	7.52	106	57100	19.985	ppb	89
52] o-Xylene	7.88	106	28896	10.177	ppb	90
53) Styrene	7.90	104	44077	10.653	ppb	94
54) Isopropylbenzene	8.23	105	72621	10.195	ppb	96
55) Bromoform	8.07	173	11572	9.839	ppb	97
58) n-Propylbenzene	8.62	91	83276	10.651	ppb	100
59) Bromobenzene	8.51	156	20676	10.814	ppb	96
60) 1,3,5-Trimethylbenzene	8.79	105	59956	10.439	ppb	98
61) 1,1,2,2-Tetrachloroethane	8.53	83	18951	10.234	ppb	99
62) 1,2,3-Trichloropropane	8.57	75	14235	10.032	ppb	95
63) 2-Chlorotoluene	8.70	91	49342	10.451	ppb	99
64) 4-Chlorotoluene	8.81	91	55977	10.867	ppb	98
65) tert-Butylbenzene	9.10	119	54119	10.731	ppb	98
66) 1,2,4-Trimethylbenzene	9.15	105	62547	10.765	ppb	99
67) sec-Butylbenzene	9.32	105	80039	10.718	ppb	99
68) p-Isopropyltoluene	9.46	119	68473	10.597	ppb	97
69) 1,3-Dichlorobenzene	9.42	146	38578	10.417	ppb	99
70) 1,4-Dichlorobenzene	9.51	146	38330	10.378	ppb	95
71) 1,2-Dichlorobenzene	9.86	146	37448	10.151	ppb	95
72) 1,2-Dibromo-3-chloropr...	10.63	75	3627	9.661	ppb	98
73) 1,2,4-Trichlorobenzene	11.44	180	28128	10.246	ppb	92
74) Hexachlorobutadiene	11.61	225	15777	9.806	ppb	99
75) Naphthalene	11.68	128	61001	9.998	ppb	99
76) 1,2,3-Trichlorobenzene	11.92	180	25455	9.985	ppb	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110335.D
 Acq On : 03 Nov 2022 07:46 pm
 Operator : LM
 Sample : 10 ppb 8260 SCV 67-182C
 Misc : soil/water
 ALS Vial : 25 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 14:09:28 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 14:08:49 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M



Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110335.D
 Acq On : 03 Nov 2022 07:46 pm
 Operator : LM
 Sample : 10 ppb 8260 SCV 67-182C
 Misc : soil/water
 ALS Vial : 25 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 14:09:28 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 14:08:49 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	10.000	10.000	0.0	104	0.00
2 TMP	Ethanol	-1.000	0.000	0.0	0	-1.86#
3 S	Dibromofluoromethane	10.000	9.580	4.2	101	0.00
4 TMP	Dichlorodifluoromethane	10.000	7.618	23.8#	77	0.00
5 TMP	Chloromethane	10.000	8.231	17.7	89	0.00
6 TMP	Vinyl chloride	10.000	9.197	8.0	96	0.00
7 TMP	Bromomethane	10.000	9.460	5.4	100	0.00
8 TMP	Chloroethane	10.000	9.733	2.7	100	0.00
9 TMP	Trichlorofluoromethane	10.000	9.397	6.0	99	0.00
10 TMP	2-Propanol	-1.000	0.000	0.0	0	-2.43#
11 TMP	Acetone	50.000	39.896	20.2#	85	0.00
12 TMP	1,1-Dichloroethene	10.000	10.567	-5.7	112	0.00
13 TMP	Hexane	10.000	10.156	-1.6	106	0.00
14 TMP	Methylene chloride	10.000	9.893	1.1	107	0.00
15 TMP	t-Butyl alcohol (TBA)	50.000	49.491	1.0	107	0.00
16 TMP	Methyl t-butyl ether (MTBE)	10.000	10.476	-4.8	106	0.00
17 TMP	trans-1,2-Dichloroethene	10.000	10.012	-0.1	106	0.00
18 TMP	Diisopropyl ether (DIPE)	10.000	9.880	1.2	95	0.00
19 TMP	1,1-Dichloroethane	10.000	10.328	-3.3	105	0.00
20 TMP	Ethyl t-butyl ether (ETBE)	10.000	10.437	-4.4	110	0.00
21 TMP	2,2-Dichloropropane	10.000	9.879	1.2	107	0.00
22 TMP	cis-1,2-Dichloroethene	10.000	10.208	-2.1	106	0.00
23 TMP	Chloroform	10.000	9.499	5.0	103	0.00
24 TMP	2-Butanone (MEK)	50.000	46.917	6.2	96	0.00
25 TMP	t-Amyl methyl ether (TAME)	10.000	10.009	-0.1	106	0.00
26 TMP	1,2-Dichloroethane (EDC)	10.000	9.979	0.2	106	0.00
27 TMP	1,1,1-Trichloroethane	10.000	10.095	-1.0	105	0.00
28 TMP	1,1-Dichloropropene	10.000	10.655	-6.5	112	0.00
29 TMP	Carbon tetrachloride	10.000	10.225	-2.2	107	0.00
30 S	1,2-Dichloroethane-d4	10.000	10.106	-1.1	103	0.00
31 TMP	Benzene	10.000	10.633	-6.3	107	0.00
32 TMP	Trichloroethene	10.000	10.144	-1.4	110	0.00
33 TMP	1,2-Dichloropropane	10.000	10.166	-1.7	104	0.00
34 TMP	Bromodichloromethane	10.000	10.014	-0.1	105	0.00
35 S	Toluene-d8	10.000	10.403	-4.0	105	0.00
36 TMP	Dibromomethane	10.000	10.374	-3.7	105	0.00
37 TMP	4-Methyl-2-pentanone	50.000	51.910	-3.8	108	0.00
38 TMP	cis-1,3-Dichloropropene	10.000	10.717	-7.2	117	0.00
39 I	Chlorobenzene-d5	10.000	10.000	0.0	105	0.00
40 TMP	Toluene	10.000	10.014	-0.1	108	0.00
41 TMP	trans-1,3-Dichloropropene	10.000	11.300	-13.0	117	0.00
42 TMP	1,1,2-Trichloroethane	10.000	11.040	-10.4	108	0.00
43 TMP	2-Hexanone	50.000	50.813	-1.6	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110335.D
 Acq On : 03 Nov 2022 07:46 pm
 Operator : LM
 Sample : 10 ppb 8260 SCV 67-182C
 Misc : soil/water
 ALS Vial : 25 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 14:09:28 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 14:08:49 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	10.000	10.532	-5.3	107	0.00
45 TMP Tetrachloroethene	10.000	10.601	-6.0	107	0.00
46 TMP Dibromochloromethane	10.000	10.198	-2.0	109	0.00
47 TMP 1,2-Dibromoethane (EDB)	10.000	10.225	-2.2	108	0.00
48 TMP Chlorobenzene	10.000	10.304	-3.0	108	0.00
49 TMP Ethylbenzene	10.000	10.032	-0.3	109	0.00
50 TMP 1,1,1,2-Tetrachloroethane	10.000	9.605	3.9	103	0.00
51 TMP m,p-Xylene	20.000	19.985	0.1	108	0.00
52 TMP o-Xylene	10.000	10.177	-1.8	110	0.00
53 TMP Styrene	10.000	10.653	-6.5	111	0.00
54 TMP Isopropylbenzene	10.000	10.195	-2.0	108	0.00
55 TMP Bromoform	10.000	9.839	1.6	108	0.00
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	103	0.00
57 S 4-Bromofluorobenzene	10.000	10.305	-3.0	107	0.00
58 TMP n-Propylbenzene	10.000	10.651	-6.5	107	0.00
59 TMP Bromobenzene	10.000	10.814	-8.1	110	0.00
60 TMP 1,3,5-Trimethylbenzene	10.000	10.439	-4.4	107	0.00
61 TMP 1,1,2,2-Tetrachloroethane	10.000	10.234	-2.3	106	0.00
62 TMP 1,2,3-Trichloropropane	10.000	10.032	-0.3	104	0.00
63 TMP 2-Chlorotoluene	10.000	10.451	-4.5	107	0.00
64 TMP 4-Chlorotoluene	10.000	10.867	-8.7	105	0.00
65 TMP tert-Butylbenzene	10.000	10.731	-7.3	110	0.00
66 TMP 1,2,4-Trimethylbenzene	10.000	10.765	-7.7	111	0.00
67 TMP sec-Butylbenzene	10.000	10.718	-7.2	108	0.00
68 TMP p-Isopropyltoluene	10.000	10.597	-6.0	110	0.00
69 TMP 1,3-Dichlorobenzene	10.000	10.417	-4.2	106	0.00
70 TMP 1,4-Dichlorobenzene	10.000	10.378	-3.8	108	0.00
71 TMP 1,2-Dichlorobenzene	10.000	10.151	-1.5	105	0.00
72 TMP 1,2-Dibromo-3-chloropropane	10.000	9.661	3.4	103	0.00
73 TMP 1,2,4-Trichlorobenzene	10.000	10.246	-2.5	111	0.00
74 TMP Hexachlorobutadiene	10.000	9.806	1.9	107	0.00
75 TMP Naphthalene	10.000	9.998	0.0	109	0.00
76 TMP 1,2,3-Trichlorobenzene	10.000	9.985	0.2	106	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110335.D
 Acq On : 03 Nov 2022 07:46 pm
 Operator : LM
 Sample : 10 ppb 8260 SCV 67-182C
 Misc : soil/water
 ALS Vial : 25 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 14:09:28 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 14:08:49 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I Fluorobenzene	1.000	1.000	0.0	104	0.00
2 TMP Ethanol	0.000	0.000#	0.0	0#	-1.86#
3 S Dibromofluoromethane	0.283	0.271	4.2	101	0.00
4 TMP Dichlorodifluoromethane	0.771	0.588	23.7#	77	0.00
5 TMP Chloromethane	0.937	0.771	17.7	89	0.00
6 TMP Vinyl chloride	0.838	0.771	8.0	96	0.00
7 TMP Bromomethane	0.490	0.464	5.3	100	0.00
8 TMP Chloroethane	0.420	0.409	2.6	100	0.00
9 TMP Trichlorofluoromethane	0.910	0.856	5.9	99	0.00
10 TMP 2-Propanol	0.000	0.000	0.0	0#	-2.43#
11 TMP Acetone	0.046	0.037	19.6	85	0.00
12 TMP 1,1-Dichloroethene	0.262	0.277	-5.7	112	0.00
13 TMP Hexane	0.408	0.414	-1.5	106	0.00
14 TMP Methylene chloride	0.307	0.339	-10.4	107	0.00
15 TMP t-Butyl alcohol (TBA)	0.034	0.034	0.0	107	0.00
16 TMP Methyl t-butyl ether (MTBE)	0.698	0.731	-4.7	106	0.00
17 TMP trans-1,2-Dichloroethene	0.296	0.297	-0.3	106	0.00
18 TMP Diisopropyl ether (DIPE)	0.862	0.851	1.3	95	0.00
19 TMP 1,1-Dichloroethane	0.527	0.544	-3.2	105	0.00
20 TMP Ethyl t-butyl ether (ETBE)	0.290	0.303	-4.5	110	0.00
21 TMP 2,2-Dichloropropane	0.356	0.352	1.1	107	0.00
22 TMP cis-1,2-Dichloroethene	0.316	0.322	-1.9	106	0.00
23 TMP Chloroform	0.496	0.472	4.8	103	0.00
24 TMP 2-Butanone (MEK)	0.170	0.160	5.9	96	0.00
25 TMP t-Amyl methyl ether (TAME)	0.673	0.673	0.0	106	0.00
26 TMP 1,2-Dichloroethane (EDC)	0.375	0.374	0.3	106	0.00
27 TMP 1,1,1-Trichloroethane	0.428	0.432	-0.9	105	0.00
28 TMP 1,1-Dichloropropene	0.346	0.369	-6.6	112	0.00
29 TMP Carbon tetrachloride	0.372	0.380	-2.2	107	0.00
30 S 1,2-Dichloroethane-d4	0.063	0.064	-1.6	103	0.00
31 TMP Benzene	1.078	1.077	0.1	107	0.00
32 TMP Trichloroethene	0.311	0.315	-1.3	110	0.00
33 TMP 1,2-Dichloropropane	0.266	0.271	-1.9	104	0.00
34 TMP Bromodichloromethane	0.319	0.320	-0.3	105	0.00
35 S Toluene-d8	0.888	0.923	-3.9	105	0.00
36 TMP Dibromomethane	0.162	0.168	-3.7	105	0.00
37 TMP 4-Methyl-2-pentanone	0.045	0.047	-4.4	108	0.00
38 TMP cis-1,3-Dichloropropene	0.364	0.390	-7.1	117	0.00
39 I Chlorobenzene-d5	1.000	1.000	0.0	105	0.00
40 TMP Toluene	0.869	0.870	-0.1	108	0.00
41 TMP trans-1,3-Dichloropropene	0.405	0.458	-13.1	117	0.00
42 TMP 1,1,2-Trichloroethane	0.260	0.261	-0.4	108	0.00
43 TMP 2-Hexanone	0.268	0.272	-1.5	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\11-03-22\
 Data File : 110335.D
 Acq On : 03 Nov 2022 07:46 pm
 Operator : LM
 Sample : 10 ppb 8260 SCV 67-182C
 Misc : soil/water
 ALS Vial : 25 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 07 14:09:28 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 14:08:49 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.430	0.453	-5.3	107	0.00
45 TMP Tetrachloroethene	0.406	0.367	9.6	107	0.00
46 TMP Dibromochloromethane	0.344	0.351	-2.0	109	0.00
47 TMP 1,2-Dibromoethane (EDB)	0.317	0.324	-2.2	108	0.00
48 TMP Chlorobenzene	0.922	0.950	-3.0	108	0.00
49 TMP Ethylbenzene	1.605	1.610	-0.3	109	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.356	0.342	3.9	103	0.00
51 TMP m,p-Xylene	0.626	0.626	0.0	108	0.00
52 TMP o-Xylene	0.622	0.633	-1.8	110	0.00
53 TMP Styrene	0.907	0.966	-6.5	111	0.00
54 TMP Isopropylbenzene	1.561	1.592	-2.0	108	0.00
55 TMP Bromoform	0.258	0.254	1.6	108	0.00
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	103	0.00
57 S 4-Bromofluorobenzene	0.748	0.771	-3.1	107	0.00
58 TMP n-Propylbenzene	3.027	3.224	-6.5	107	0.00
59 TMP Bromobenzene	0.740	0.801	-8.2	110	0.00
60 TMP 1,3,5-Trimethylbenzene	2.224	2.321	-4.4	107	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.717	0.734	-2.4	106	0.00
62 TMP 1,2,3-Trichloropropane	0.549	0.551	-0.4	104	0.00
63 TMP 2-Chlorotoluene	1.828	1.910	-4.5	107	0.00
64 TMP 4-Chlorotoluene	1.994	2.167	-8.7	105	0.00
65 TMP tert-Butylbenzene	1.953	2.095	-7.3	110	0.00
66 TMP 1,2,4-Trimethylbenzene	2.250	2.422	-7.6	111	0.00
67 TMP sec-Butylbenzene	2.892	3.099	-7.2	108	0.00
68 TMP p-Isopropyltoluene	2.502	2.651	-6.0	110	0.00
69 TMP 1,3-Dichlorobenzene	1.434	1.494	-4.2	106	0.00
70 TMP 1,4-Dichlorobenzene	1.430	1.484	-3.8	108	0.00
71 TMP 1,2-Dichlorobenzene	1.428	1.450	-1.5	105	0.00
72 TMP 1,2-Dibromo-3-chloropropane	0.145	0.140	3.4	103	0.00
73 TMP 1,2,4-Trichlorobenzene	1.063	1.089	-2.4	111	0.00
74 TMP Hexachlorobutadiene	0.623	0.611	1.9	107	0.00
75 TMP Naphthalene	2.362	2.362	0.0	109	0.00
76 TMP 1,2,3-Trichlorobenzene	0.987	0.986	0.1	106	0.00

(#) = Out of Range

SPCC's out = 1 CCC's out = 0

Compound List Report GCMS13

Method Path : D:\Methods\Inst13\
 Method File : VB110522ms13.M
 Title : 8260 Purge & Trap Volatiles Dual Acquisition
 Last Update : Mon Nov 07 15:16:10 2022
 Response Via : Initial Calibration

Total Cpnds : 76

PK#	Compound Name	QIon	Exp_RT	Rel_RT	Cal	#Qual	A/H	ID
1	I Fluorobenzene	96	4.75	1.000	A	1	A	B
2	T Ethanol	45	2.33	0.491	A	1	A	B
3	S Dibromofluoromethane	113	4.17	0.880	A	0	A	B
4	T Dichlorodifluoromethane	85	1.12	0.235	A	1	A	B
5	T Chloromethane	50	1.26	0.266	A	1	A	B
6	T Vinyl chloride	-62	1.34	0.282	A	1	A	B
7	T Bromomethane	94	1.58	0.333	A	1	A	B
8	T Chloroethane	-64	1.65	0.347	A	1	A	B
9	T Trichlorofluoromethane	101	1.83	0.385	A	1	A	B
10	T 2-Propanol	45	2.33	0.491	A	1	A	B
11	T Acetone	58	2.33	0.491	Q	1	A	B
12	T 1,1-Dichloroethene	-96	2.27	0.479	A	2	A	B
13	T Hexane	57	3.16	0.665	A	2	A	B
14	T Methylene chloride	84	2.68	0.565	Q	2	A	B
15	T t-Butyl alcohol (TBA)	59	2.82	0.593	A	1	A	B
16	T Methyl t-butyl ether (MTBE)	-73	2.94	0.618	A	1	A	B
17	T trans-1,2-Dichloroethene	-96	2.92	0.616	A	2	A	B
18	T Diisopropyl ether (DIPE)	45	3.35	0.706	A	3	A	B
19	T 1,1-Dichloroethane	-63	3.27	0.690	A	2	A	B
20	T Ethyl t-butyl ether (ETBE)	87	3.66	0.771	A	3	A	B
21	T 2,2-Dichloropropane	77	3.77	0.795	Q	1	A	B
22	T cis-1,2-Dichloroethene	-96	3.77	0.794	A	2	A	B
23	T Chloroform	83	4.04	0.851	A	1	A	B
24	T 2-Butanone (MEK)	43	3.79	0.800	Q	2	A	B
25	T t-Amyl methyl ether (TAME)	73	4.61	0.972	A	2	A	B
26	T 1,2-Dichloroethane (EDC)	-62	4.53	0.954	Q	1	A	B
27	T 1,1,1-Trichloroethane	-97	4.19	0.883	A	2	A	B
28	T 1,1-Dichloropropene	75	4.33	0.913	Q	2	A	B
29	T Carbon tetrachloride	117	4.33	0.913	A	1	A	B
30	S 1,2-Dichloroethane-d4	102	4.46	0.939	A	1	A	B
31	T Benzene	-78	4.50	0.949	A	1	A	B
32	T Trichloroethene	-95	5.05	1.065	A	3	A	B
33	T 1,2-Dichloropropane	63	5.24	1.105	A	1	A	B
34	T Bromodichloromethane	83	5.48	1.155	A	2	A	B
35	S Toluene-d8	98	6.11	1.286	A	1	A	B
36	T Dibromomethane	93	5.35	1.127	A	2	A	B
37	T 4-Methyl-2-pentanone	85	6.03	1.269	A	2	A	B
38	T cis-1,3-Dichloropropene	75	5.88	1.238	A	2	A	B
39	I Chlorobenzene-d5	117	7.41	1.000	A	1	A	B
40	T Toluene	-92	6.16	0.832	Q	1	A	B
41	T trans-1,3-Dichloropropene	75	6.36	0.859	Q	2	A	B
42	T 1,1,2-Trichloroethane	-83	6.53	0.881	Q	2	A	B
43	T 2-Hexanone	43	6.76	0.913	A	3	A	B
44	T 1,3-Dichloropropane	76	6.68	0.903	A	1	A	B
45	T Tetrachloroethene	-164	6.65	0.898	Q	3	A	B
46	T Dibromochloromethane	129	6.88	0.930	Q	1	A	B
47	T 1,2-Dibromoethane (EDB)	-107	6.98	0.943	A	2	A	B
48	T Chlorobenzene	112	7.43	1.004	A	2	A	B
49	T Ethylbenzene	-91	7.54	1.018	A	1	A	B
50	T 1,1,1,2-Tetrachloroethane	131	7.51	1.014	A	2	A	B
51	T m,p-Xylene	-106	7.65	1.033	A	1	A	B
52	T o-Xylene	-106	8.02	1.083	A	1	A	B
53	T Styrene	104	8.03	1.085	A	1	A	B
54	T Isopropylbenzene	105	8.37	1.130	A	1	A	B
55	T Bromoform	173	8.20	1.107	A	2	A	B

56	I	1,4-Dichlorobenzene-d4	152	9.62	1.000	A	2	A	B
57	S	4-Bromofluorobenzene	95	8.51	0.884	A	2	A	B
58	T	n-Propylbenzene	91	8.77	0.911	A	1	A	B
59	T	Bromobenzene	156	8.65	0.899	A	2	A	B
60	T	1,3,5-Trimethylbenzene	105	8.94	0.929	A	1	A	B
61	T	1,1,2,2-Tetrachloroethane	83	8.65	0.899	Q	2	A	B
62	T	1,2,3-Trichloropropane	75	8.70	0.904	A	3	A	B
63	T	2-Chlorotoluene	91	8.84	0.918	A	1	A	B
64	T	4-Chlorotoluene	91	8.95	0.930	A	1	A	B
65	T	tert-Butylbenzene	119	9.25	0.961	A	2	A	B
66	T	1,2,4-Trimethylbenzene	105	9.30	0.966	A	1	A	B
67	T	sec-Butylbenzene	105	9.46	0.983	A	1	A	B
68	T	p-Isopropyltoluene	119	9.61	0.999	A	2	A	B
69	T	1,3-Dichlorobenzene	146	9.56	0.994	A	2	A	B
70	T	1,4-Dichlorobenzene	146	9.64	1.002	A	2	A	B
71	T	1,2-Dichlorobenzene	146	10.01	1.040	A	2	A	B
72	T	1,2-Dibromo-3-chloropropane	75	10.78	1.120	A	2	A	B
73	T	1,2,4-Trichlorobenzene	180	11.59	1.204	A	2	A	B
74	T	Hexachlorobutadiene	225	11.77	1.223	A	2	A	B
75	T	Naphthalene	128	11.84	1.230	Q	2	A	B
76	T	1,2,3-Trichlorobenzene	180	12.08	1.255	A	2	A	B

Cal A = Average L = Linear LO = Linear w/origin Q = Quad QO = Quad w/origin

#Qual = number of qualifiers

A/H = Area or Height

ID R = R.T. B = R.T. & Q Q = Qvalue L = Largest A = All

VB110522ms13.M Mon Nov 07 15:54:19 2022

Calibration Status Report GCMS13

Method Path : D:\Methods\Inst13\
 Method File : VB110522ms13.M
 Title : 8260 Purge & Trap Volatiles Dual Acquisition
 Last Update : Mon Nov 07 15:16:10 2022
 Response Via : Initial Calibration

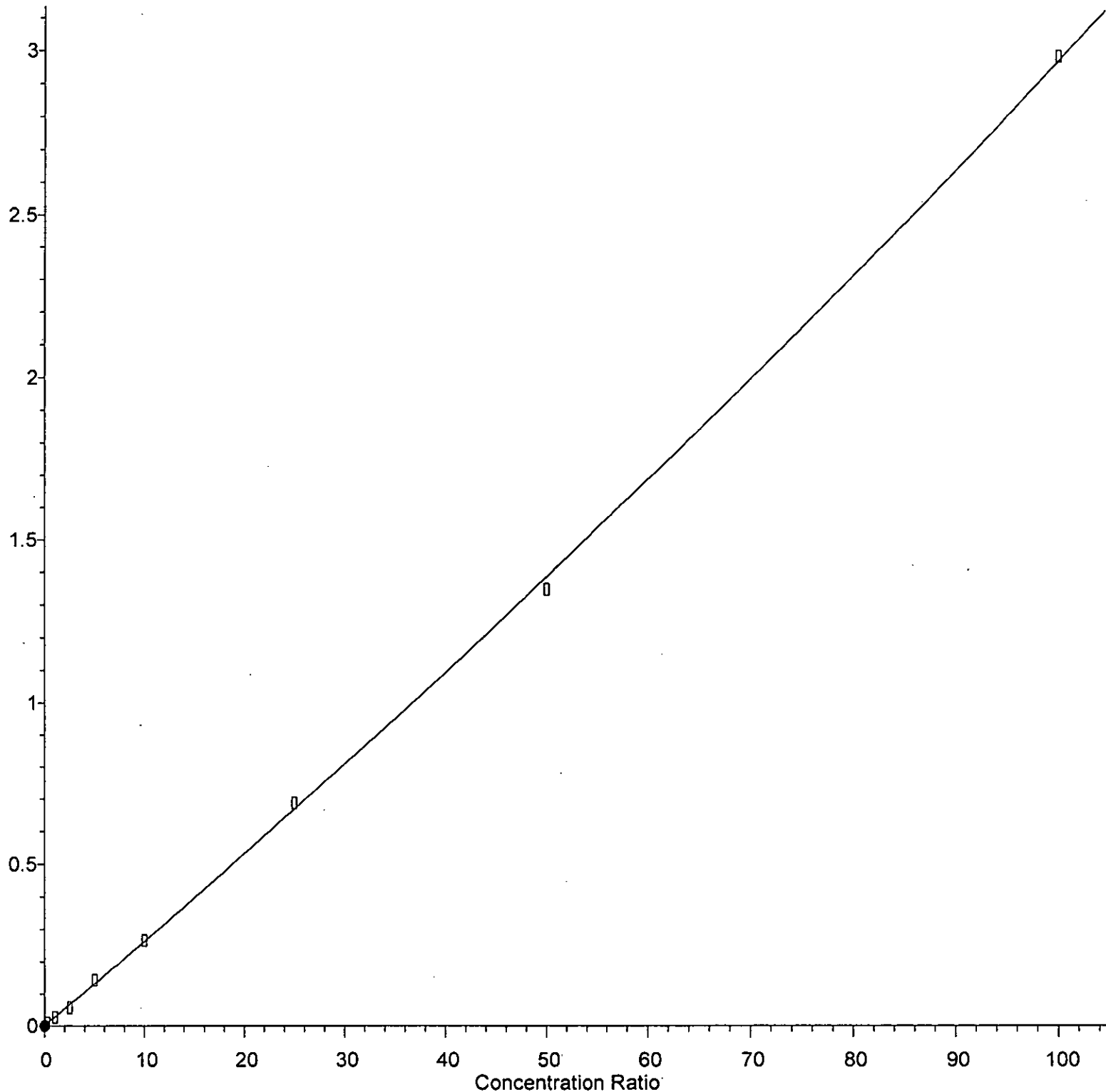
#	ID	Conc	ISTD Conc	Path\File
1	0.02	0	10	D:\Proc_GCMS13\11-05-22\110506.D
2	0.04	0	10	D:\Proc_GCMS13\11-05-22\110507.D
3	0.1	0	10	D:\Proc_GCMS13\11-05-22\110508.D
4	0.2	0	10	D:\Proc_GCMS13\11-05-22\110509.D
5	0.5	1	10	D:\Proc_GCMS13\11-05-22\110510.D
7	2	2	10	D:\Proc_GCMS13\11-05-22\110512.D
8	5	5	10	D:\Proc_GCMS13\11-05-22\110513.D
9	10	10	10	D:\Proc_GCMS13\11-05-22\110514.D
10	20	20	10	D:\Proc_GCMS13\11-05-22\110515.D
11	50	50	10	D:\Proc_GCMS13\11-05-22\110516.D
12	100	100	10	D:\Proc_GCMS13\11-05-22\110517.D

#	ID	Update Time	Quant Time	Acquisition Time
1	0.02	Nov 07 10:05 2022	Nov 07 10:01 2022	05 Nov 2022 11:34 am
2	0.04	Nov 07 10:05 2022	Nov 07 10:02 2022	05 Nov 2022 11:57 am
3	0.1	Nov 07 10:05 2022	Nov 07 10:02 2022	05 Nov 2022 12:20 pm
4	0.2	Nov 07 10:05 2022	Nov 07 10:02 2022	05 Nov 2022 12:44 pm
5	0.5	Nov 07 10:05 2022	Nov 07 10:03 2022	05 Nov 2022 01:07 pm
7	2	Nov 07 10:05 2022	Nov 07 07:41 2022	05 Nov 2022 01:53 pm
8	5	Nov 07 10:05 2022	Nov 07 08:01 2022	05 Nov 2022 02:16 pm
9	10	Nov 07 10:05 2022	Nov 07 07:18 2022	05 Nov 2022 02:39 pm
10	20	Nov 07 10:05 2022	Nov 07 07:18 2022	05 Nov 2022 03:03 pm
11	50	Nov 07 10:05 2022	Nov 07 07:44 2022	05 Nov 2022 03:26 pm
12	100	Nov 07 10:05 2022	Nov 07 07:44 2022	05 Nov 2022 03:49 pm

VB110522ms13.M Mon Nov 07 15:54:24 2022

Acetone

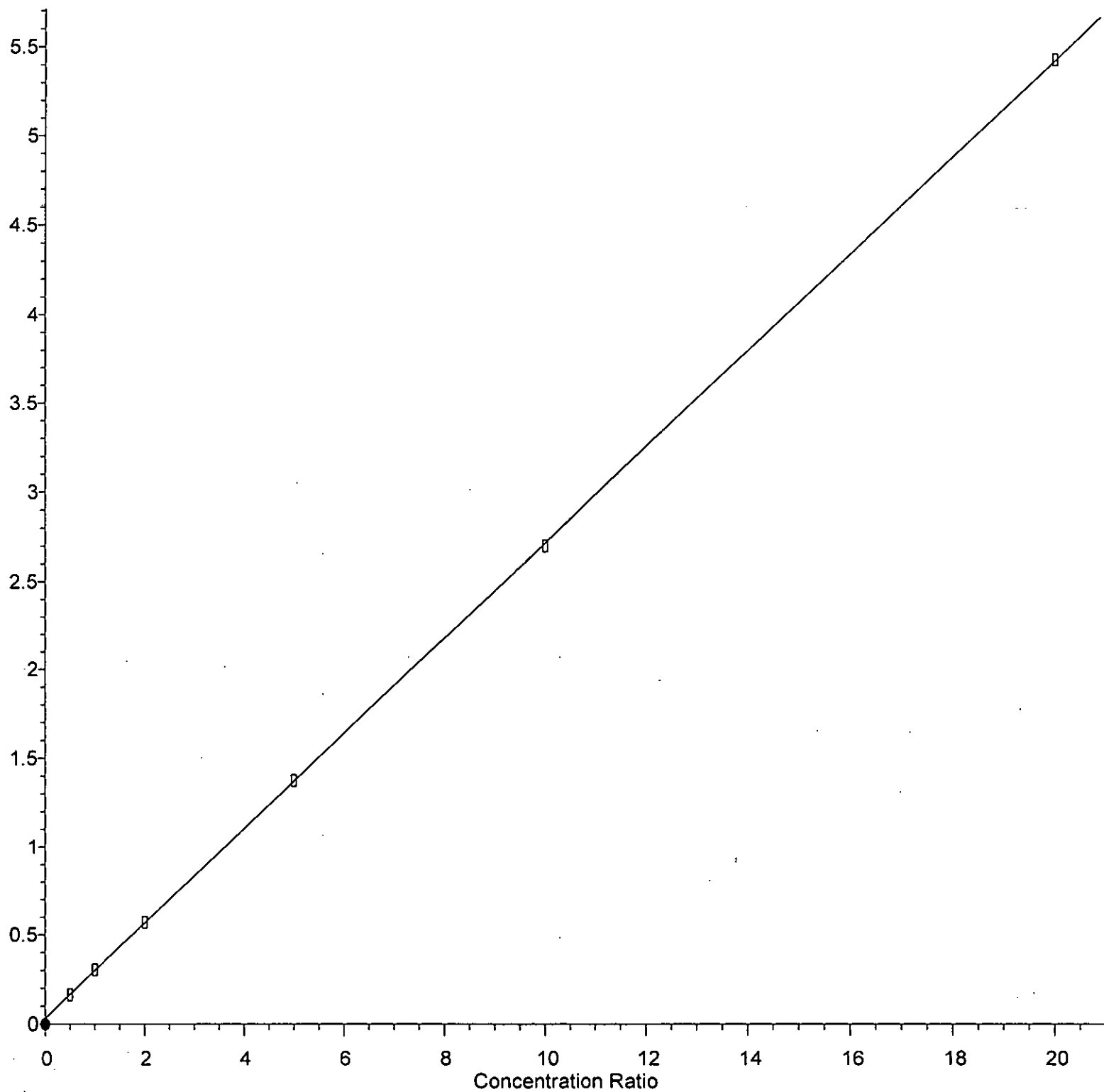
Response Ratio



$R = 4.054e-005 A^2 + 2.565e-002 A + 2.631e-003$
Coef of Det (r^2) = 0.999241 Curve Fit: Quadratic w(1/a)
Method Name: D:\Methods\Inst13\VB110522ms13.M
Calibration Table Last Updated: Mon Nov 07 15:16:10 2022

Methylene chloride

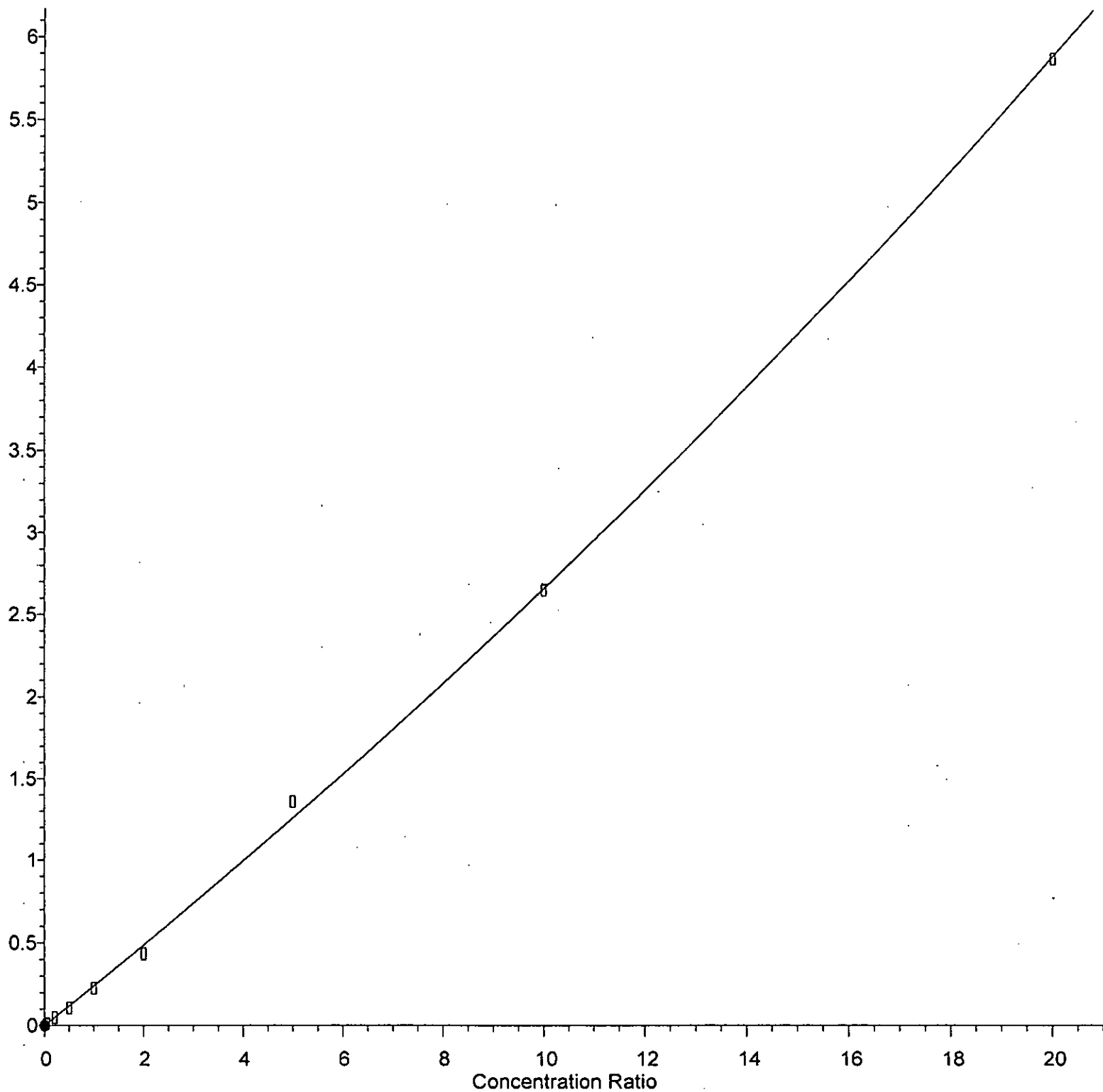
Response Ratio



$R = 1.319e-004 A^2 + 2.673e-001 A + 3.237e-002$
Coef of Det (r^2) = 0.999971 Curve Fit: Quadratic w(1/a)
Method Name: D:\Methods\Inst13\VB110522ms13.M
Calibration Table Last Updated: Mon Nov 07 15:16:10 2022

2,2-Dichloropropane

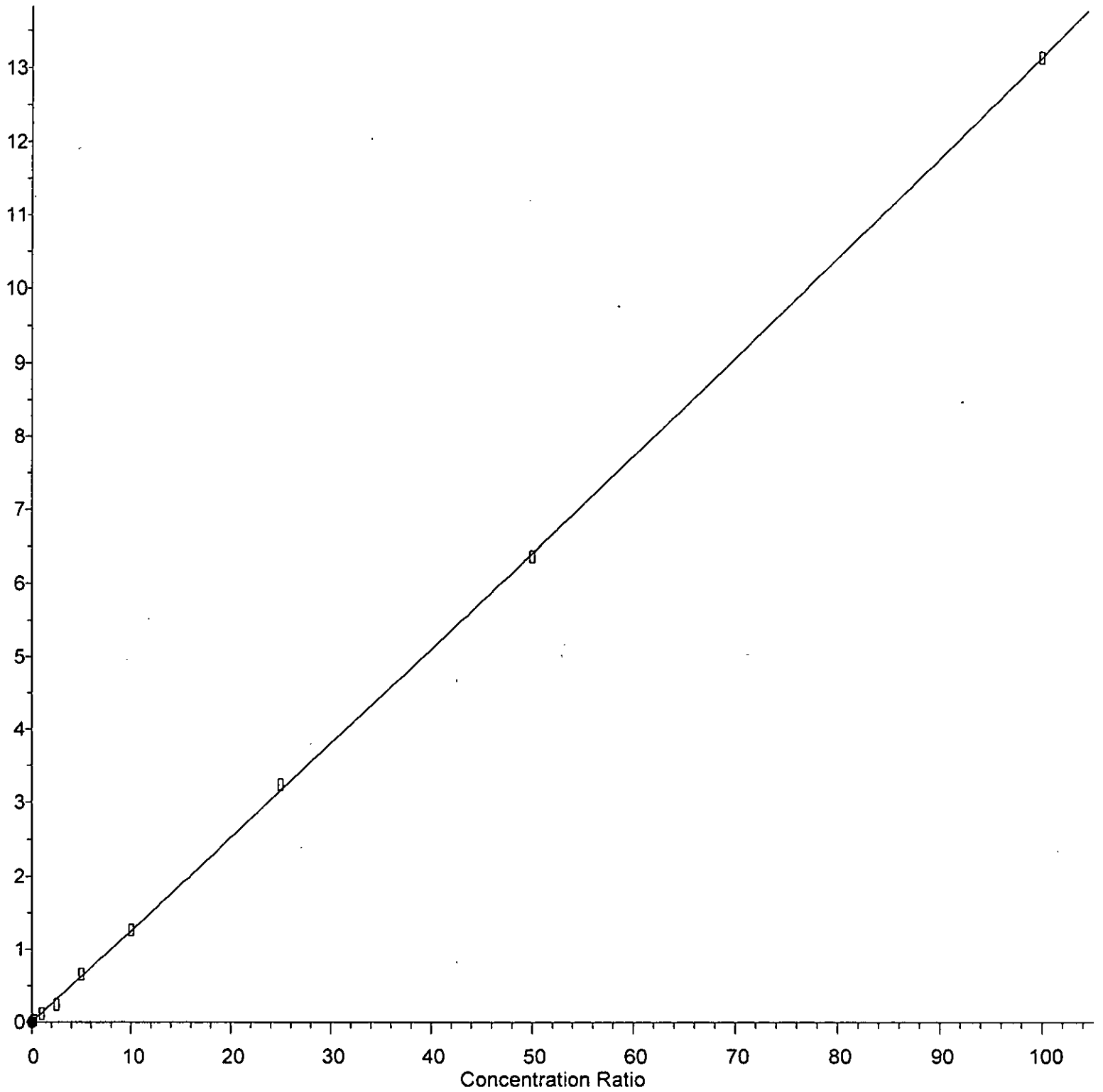
Response Ratio



$R = 2.871e-003 A^2 + 2.371e-001 A + 9.319e-004$
Coef of Det (r^2) = 0.998636 Curve Fit: Quadratic w(1/a)
Method Name: D:\Methods\Inst13\VB110522ms13.M
Calibration Table Last Updated: Mon Nov 07 15:16:10 2022

2-Butanone (MEK)

Response Ratio



$R = 7.131e-005 A^2 + 1.245e-001 A + 3.231e-003$

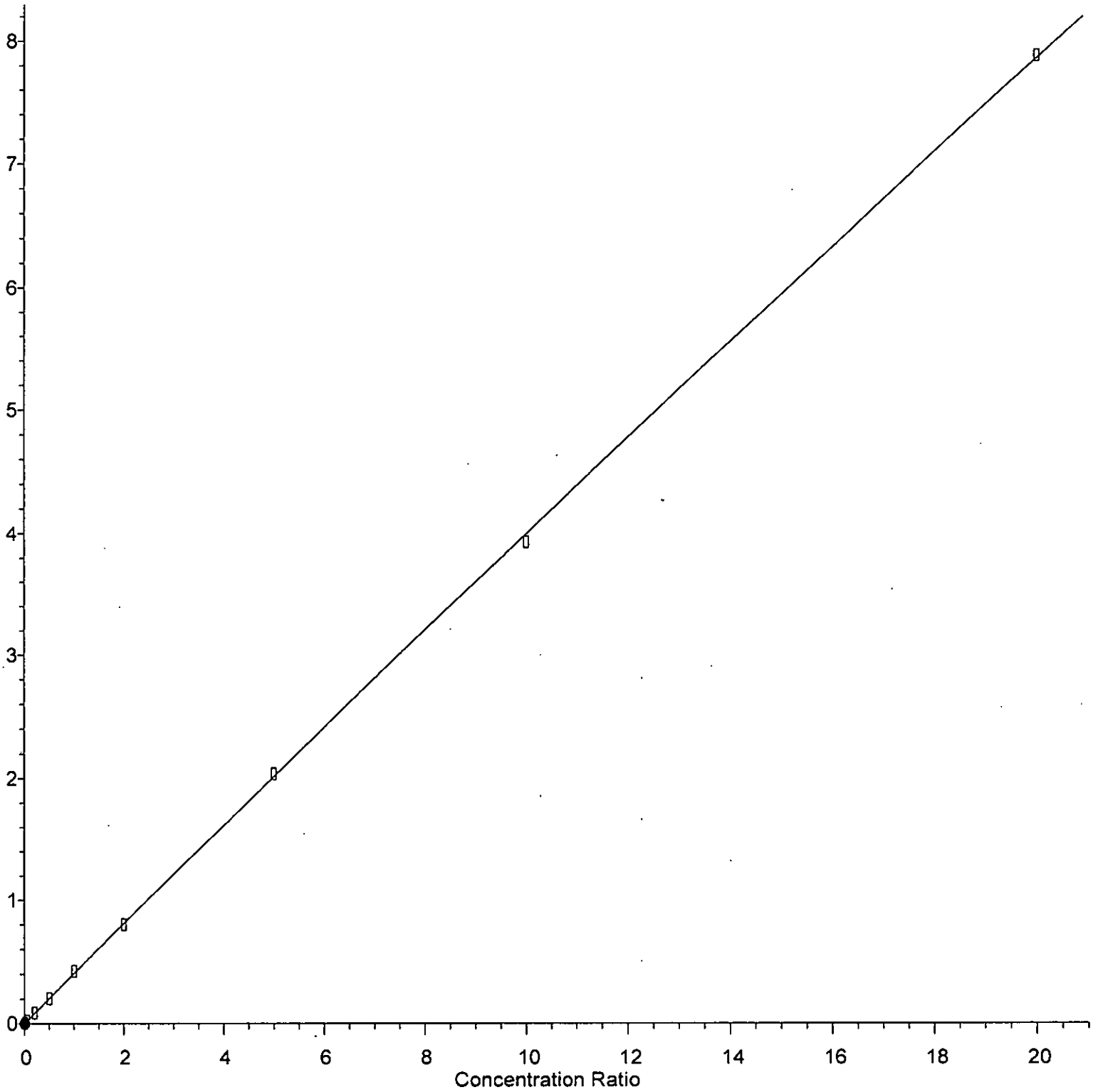
Coef of Det (r^2) = 0.999041 Curve Fit: Quadratic w(1/a)

Method Name: D:\Methods\Inst13\VB110522ms13.M

Calibration Table Last Updated: Mon Nov 07 15:16:10 2022

1,2-Dichloroethane (EDC)

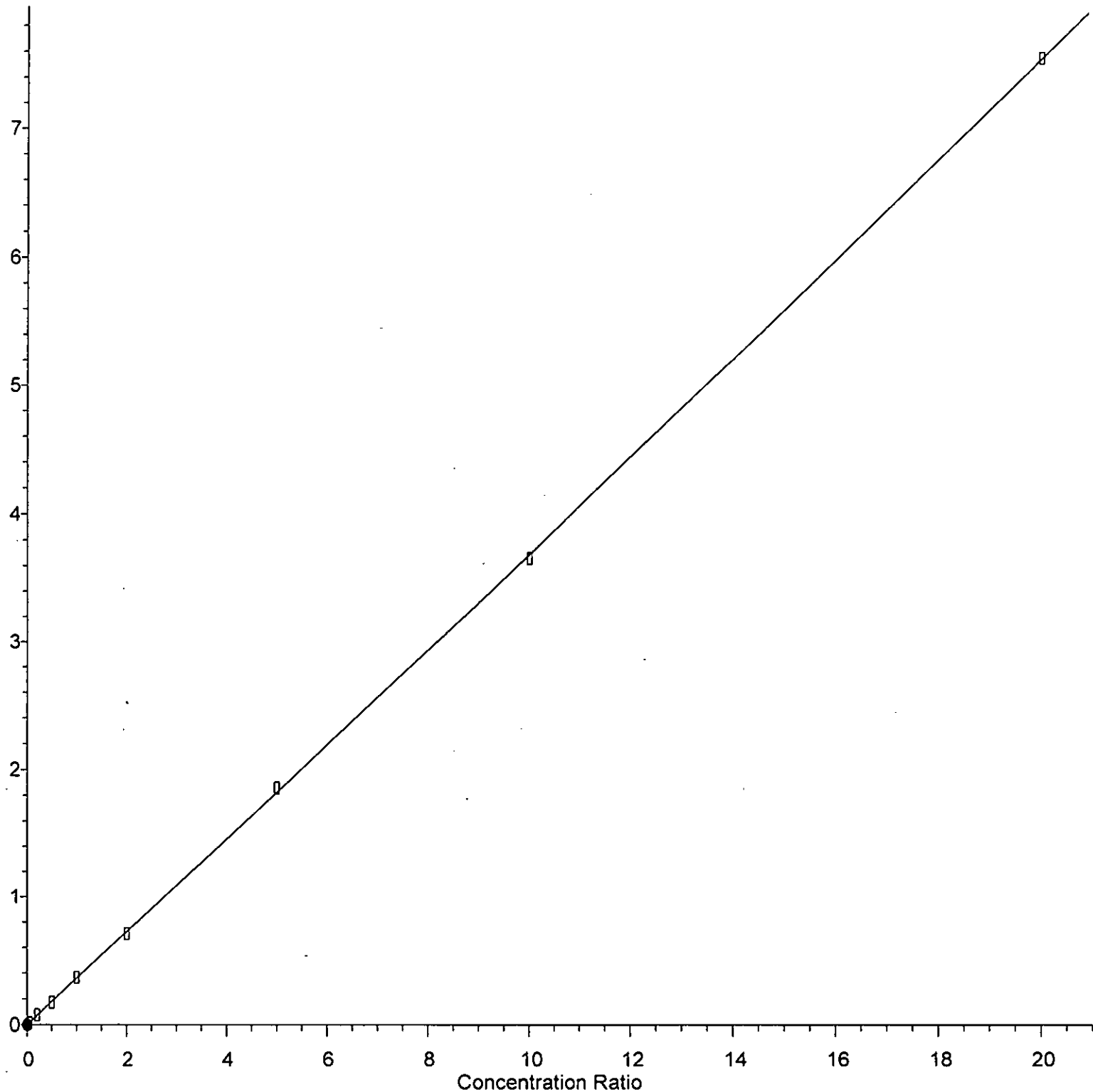
Response Ratio



$R = -5.900e-004 A^2 + 4.054e-001 A + 1.585e-003$
Coef of Det (r^2) = 0.999825 Curve Fit: Quadratic w(1/a)
Method Name: D:\Methods\Inst13\VB110522ms13.M
Calibration Table Last Updated: Mon Nov 07 15:16:10 2022

1,1-Dichloropropene

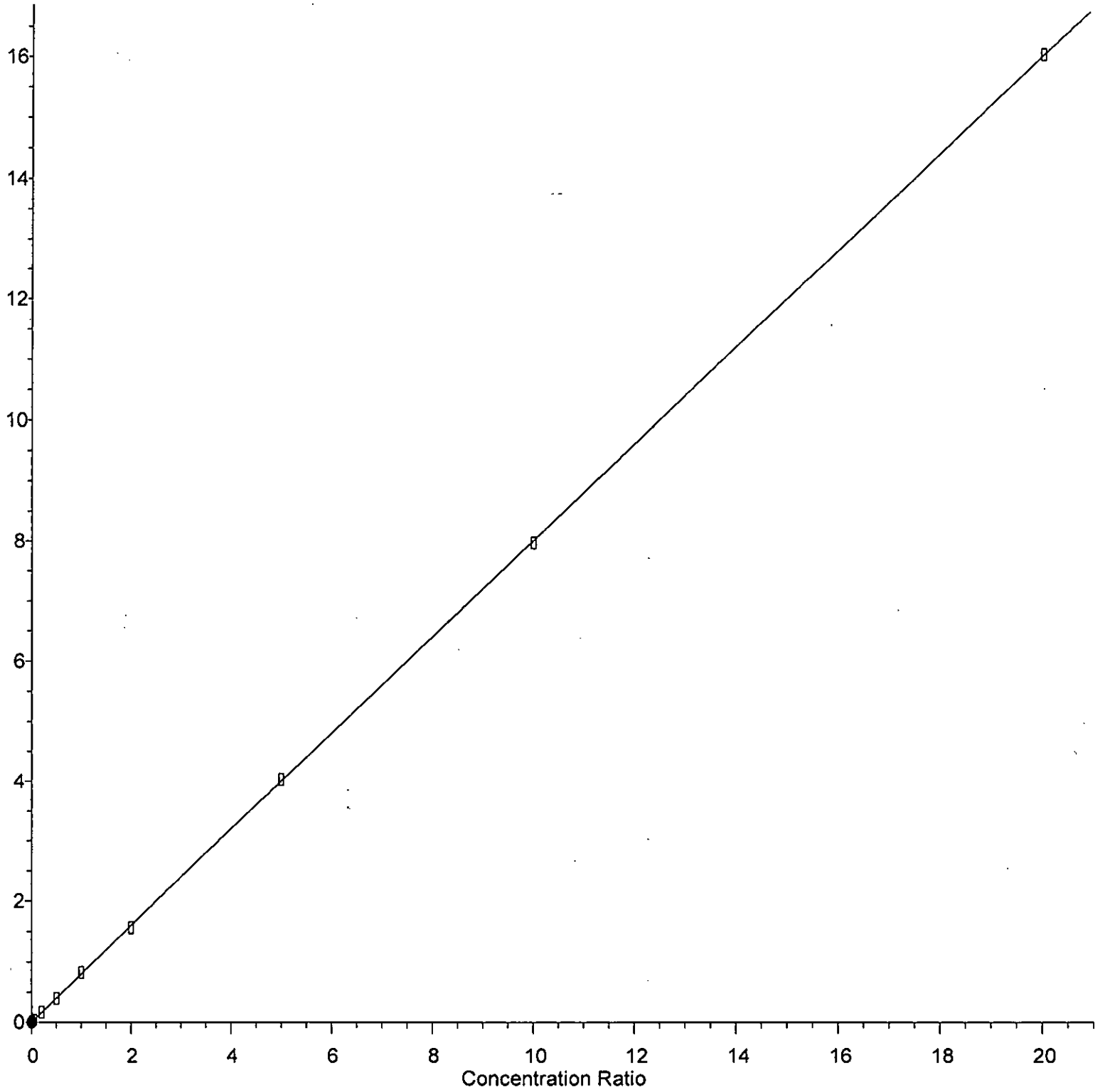
Response Ratio



$R = 8.977e-004 A^2 + 3.598e-001 A + 7.520e-004$
Coef of Det (r^2) = 0.999864 Curve Fit: Quadratic w(1/a)
Method Name: D:\Methods\Inst13\VB110522ms13.M
Calibration Table Last Updated: Mon Nov 07 15:16:10 2022

Toluene

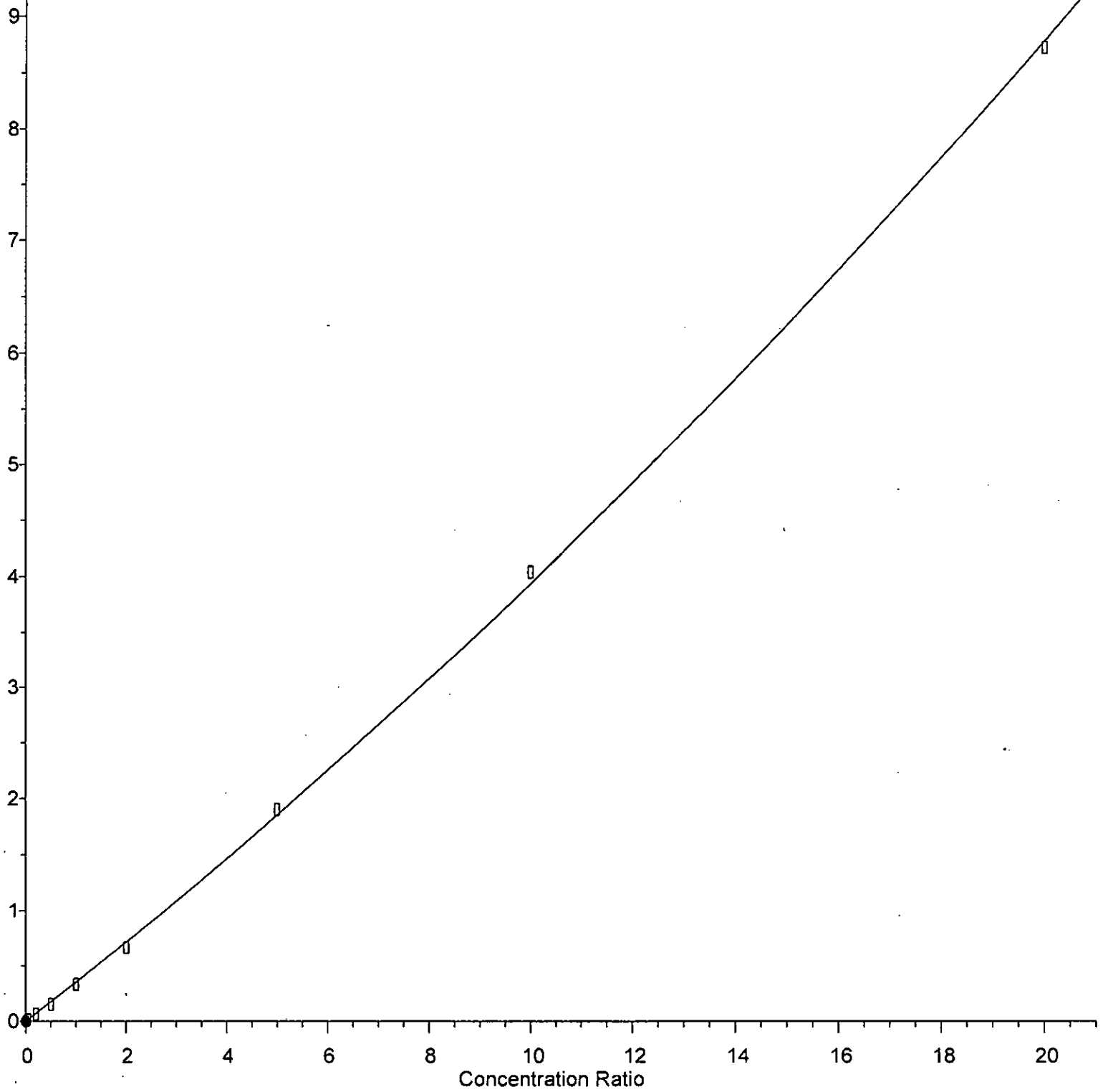
Response Ratio



$R = 1.206e-004 A^2 + 8.001e-001 A + 1.372e-003$
Coef of Det (r^2) = 0.999909 Curve Fit: Quadratic w(1/a)
Method Name: D:\Methods\Inst13\VB110522ms13.M
Calibration Table Last Updated: Mon Nov 07 15:16:10 2022

trans-1,3-Dichloropropene

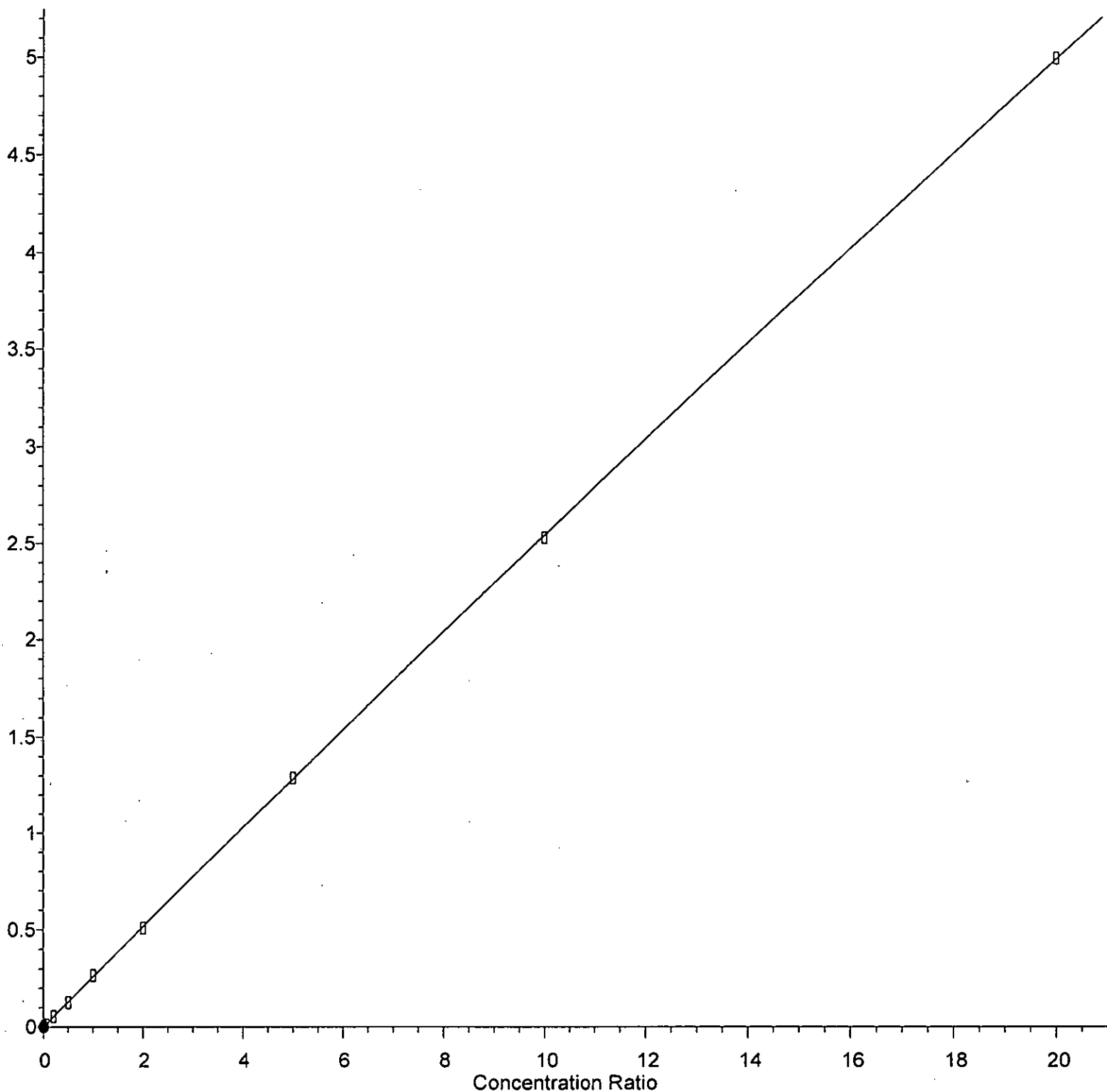
Response Ratio



$R = 4.600e-003 A^2 + 3.478e-001 A - 1.400e-004$
Coef of Det (r^2) = 0.999210 Curve Fit: Quadratic w(1/a)
Method Name: D:\Methods\Inst13\VB110522ms13.M
Calibration Table Last Updated: Mon Nov 07 15:16:10 2022

1,1,2-Trichloroethane

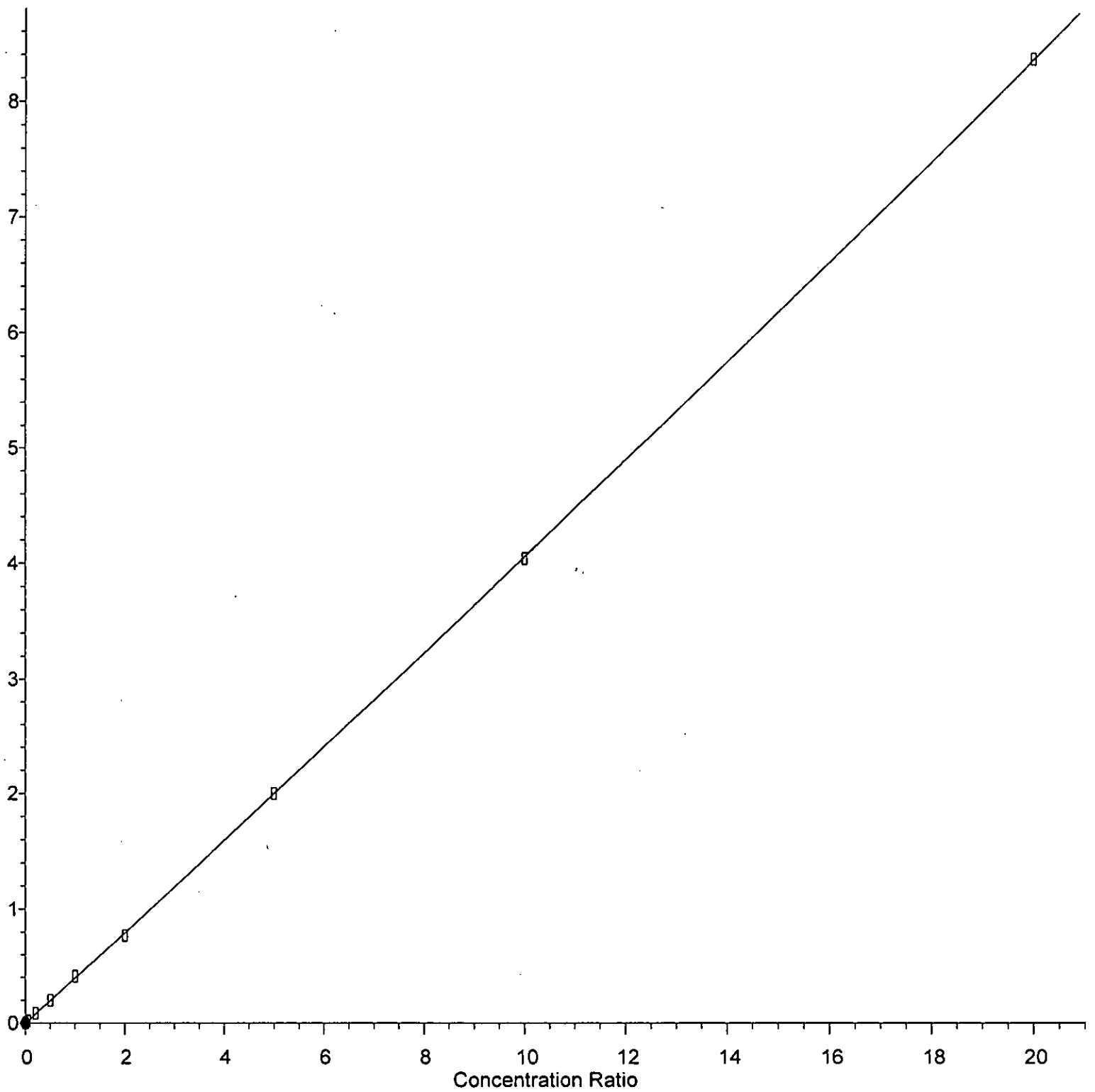
Response Ratio



$R = -4.579e-004 A^2 + 2.588e-001 A + 3.601e-004$
Coef of Det (r^2) = 0.999920 Curve Fit: Quadratic w(1/a)
Method Name: D:\Methods\Inst13\VB110522ms13.M
Calibration Table Last Updated: Mon Nov 07 15:16:10 2022

Tetrachloroethene

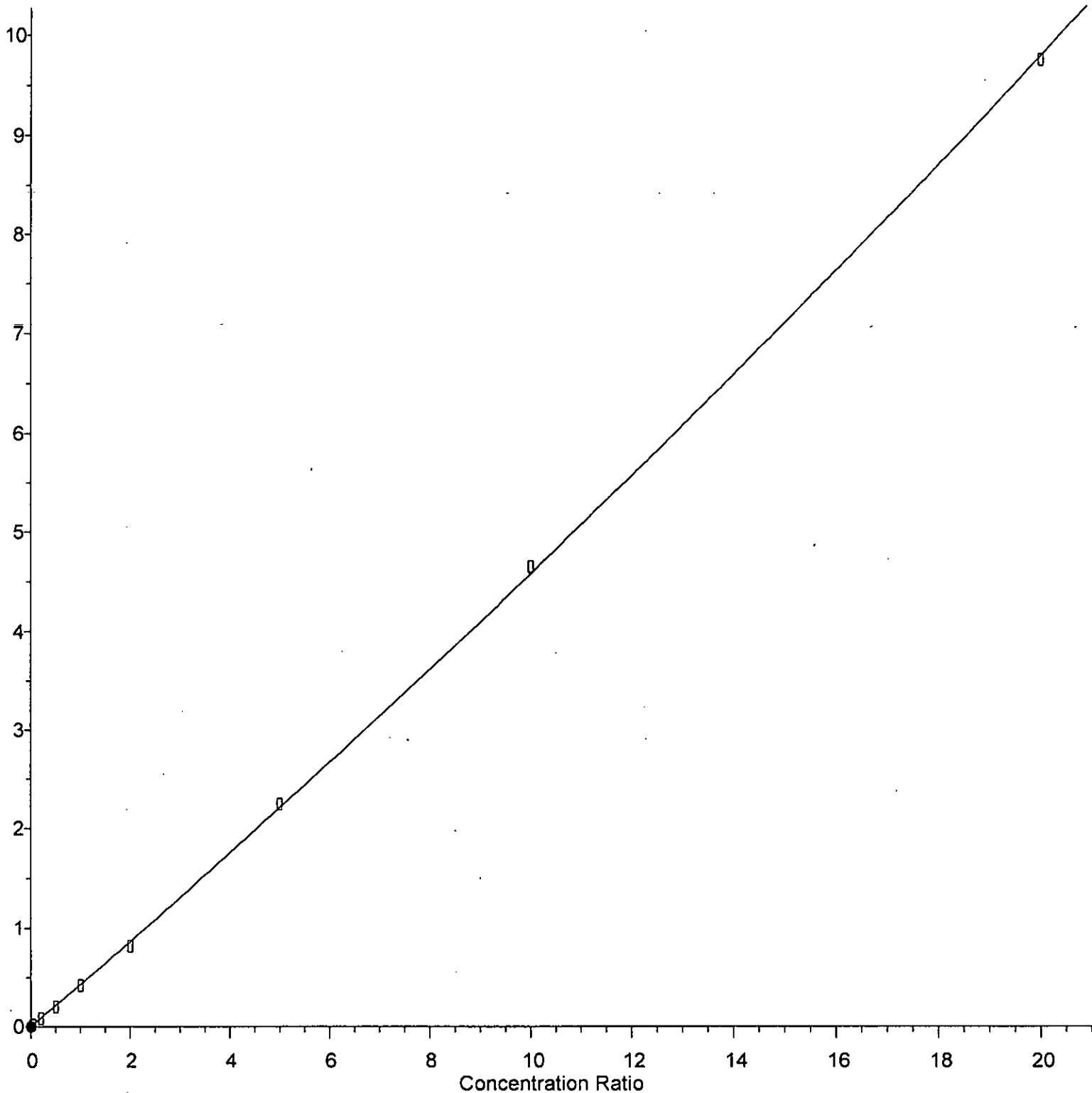
Response Ratio



$R = 1.268e-003 A^2 + 3.929e-001 A + 8.166e-004$
Coef of Det (r^2) = 0.999873 Curve Fit: Quadratic w(1/a)
Method Name: D:\Methods\Inst13\VB110522ms13.M
Calibration Table Last Updated: Mon Nov 07 15:16:10 2022

Dibromochloromethane

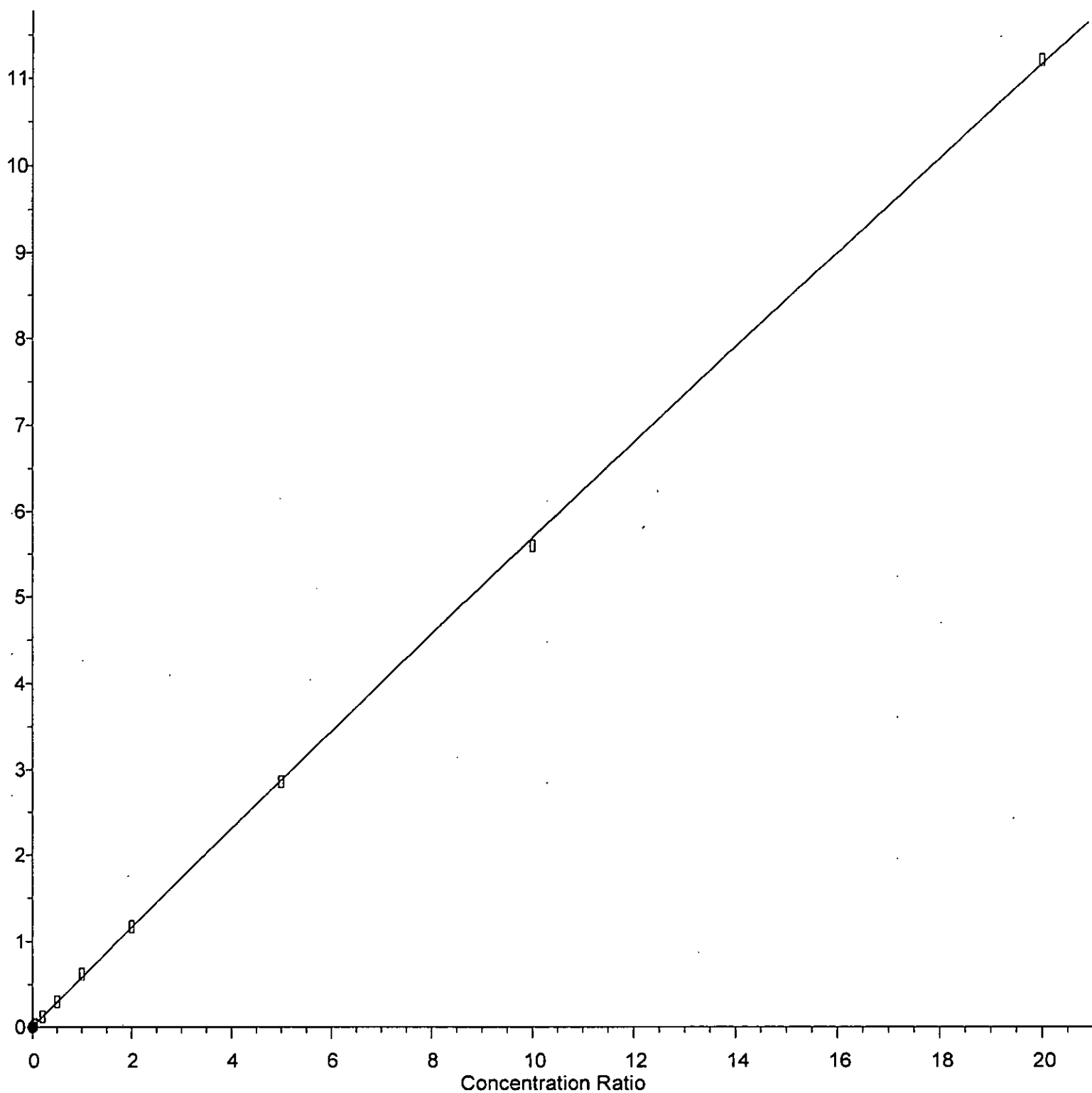
Response Ratio



$R = 3.269e-003 A^2 + 4.257e-001 A + 1.234e-003$
Coef of Det (r^2) = 0.999691 Curve Fit: Quadratic w(1/a)
Method Name: D:\Methods\Inst13\VB110522ms13.M
Calibration Table Last Updated: Mon Nov 07 15:16:10 2022

1,1,2,2-Tetrachloroethane

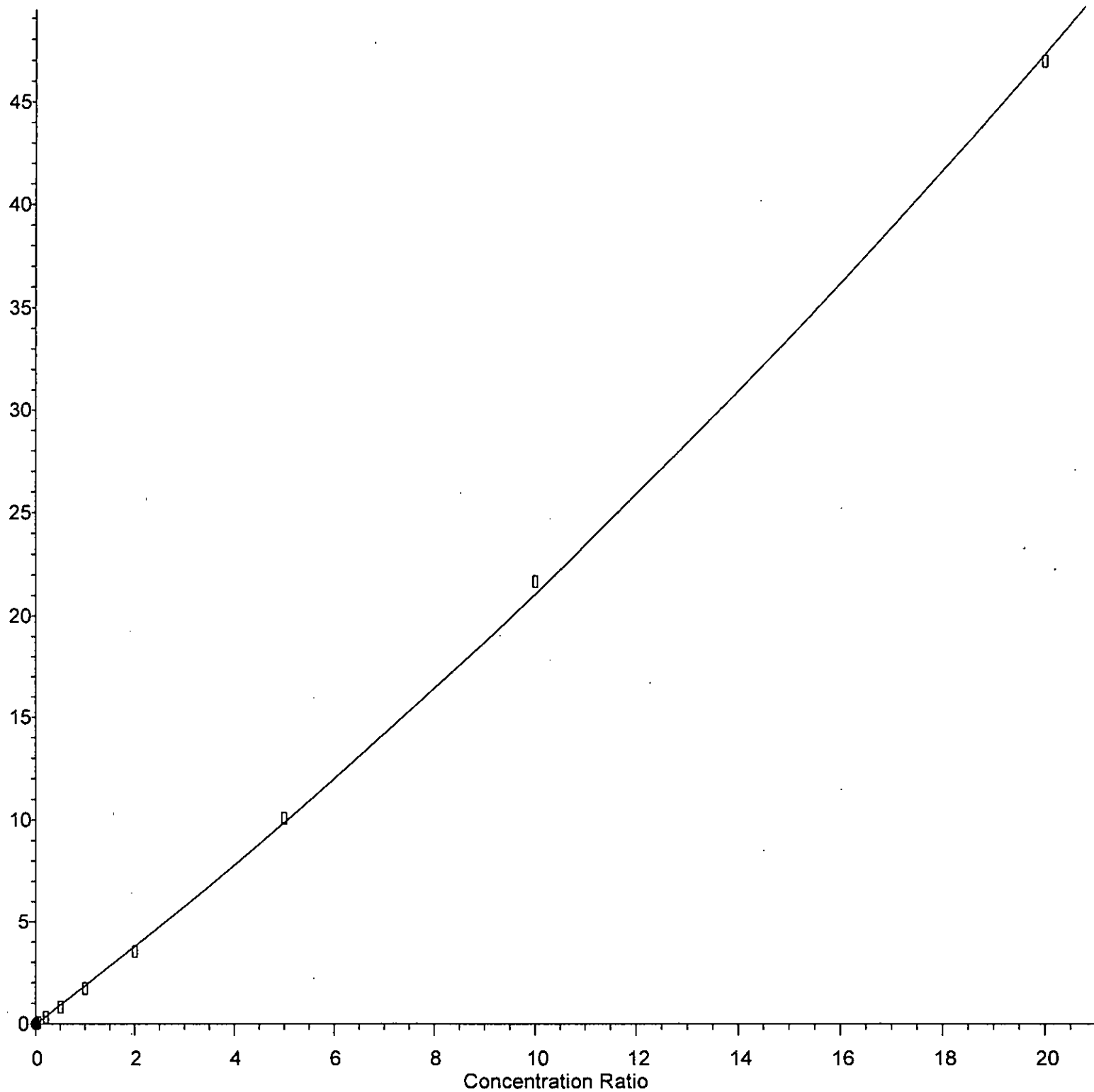
Response Ratio



$R = -1.016e-003 A^2 + 5.790e-001 A + 5.837e-003$
Coef of Det (r^2) = 0.999756 Curve Fit: Quadratic w(1/a)
Method Name: D:\Methods\Inst13\VB110522ms13.M
Calibration Table Last Updated: Mon Nov 07 15:16:10 2022

Naphthalene

Response Ratio



$R = 2.615e-002 A^2 + 1.847e+000 A - 1.442e-002$
Coef of Det (r^2) = 0.999269 Curve Fit: Quadratic w(1/a)
Method Name: D:\Methods\Inst13\VB110522ms13.M
Calibration Table Last Updated: Mon Nov 07 15:16:10 2022

GC/MS ICAL Checklist

Instrument: GC/MS 13

Sequence Date: 1.05.22 / 11.07.22 Shift # 1

Item	Initial	Date
Shift and Batch		
Initial Calibration Analyzed, Evaluated and Passed	✓ <i>WY</i>	11.07.22
2nd source passed	✓	|
Analyte retention time checked	✓	|
Tune passed	✓	|
Non-Conformance Report filled out (if needed)	NA	|

Notes: *toluene failed high in SCV 18150 ppb but*
SCV analyzed on 11.07.22 used prep vials
run 11.07.22

Attach this sheet to raw data package.

YA 11/14/22
 Supervisor Initials and Date

GC/MS QA-QC Check Report

Tune File : D:\Proc_GCMS13\11-05-22\110503.D

Tune Time : 05 Nov 2022 10:22 am

Daily Calibration File : D:\Proc_GCMS13\11-05-22\110514.D

(DMF) (DHL) (TOL) (BFB)

104308

87057

51133

File	Sample	Surrogate Recovery %				Internal Standard Responses		
110506.D	0.02 ppb 8	101	100	99	104	110742	89451	50648
110507.D	0.04 ppb 8	95	104	99	106	111750	92506	50709
110508.D	0.1 ppb 82	102	104	100	105	109470	90583	50314
110509.D	0.2 ppb 8	101	104	97	105	108326	89660	50001
110510.D	0.5 ppb 82	101	95	96	100	111564	90038	50622
110511.D	1 ppb 8260	99	102	101	99	110201	89750	52061
110512.D	2 ppb 8260	100	99	100	98	108368	87014	51026
110513.D	5 ppb 8260	97	97	99	100	109707	88629	50120
110514.D	10 ppb 826	100	105	102	100	104308	87057	51133
110515.D	20 ppb 826	100	97	101	96	105008	89462	52775
110516.D	50 ppb 826	101	94	100	95	104359	89151	54409
110517.D	100 ppb 82	101	98	103	96	105192	89610	53646
110518.D	150 ppb 82	98	100	102	95	106741	92515	56204
110519.D	200 ppb 82	102	103	102	94	105227	91763	54540

(fails) - fails 12hr time check * - fails criteria

Created: Mon Nov 07 15:53:07 2022 GCMS13

GC/MS QA-QC Check Report

Tune File : D:\Proc_GCMS13\11-07-22\110706.D

Tune Time : 07 Nov 2022 10:34 am

Daily Calibration File : D:\Proc_GCMS13\11-07-22\110706.D

(DMF) (DHL) (TOL) (BFB)

107809 88712 52143

File Sample Surrogate Recovery % Internal Standard Responses

=====

110706.D	10 ppb	826	101	103	101	98	107809	88712	52143
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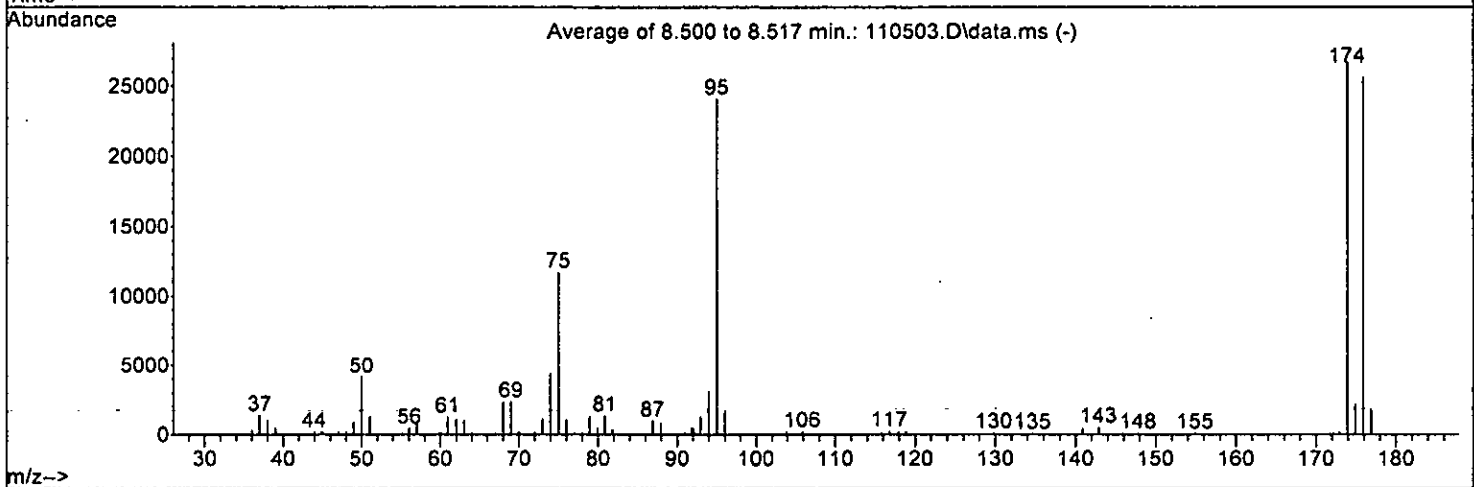
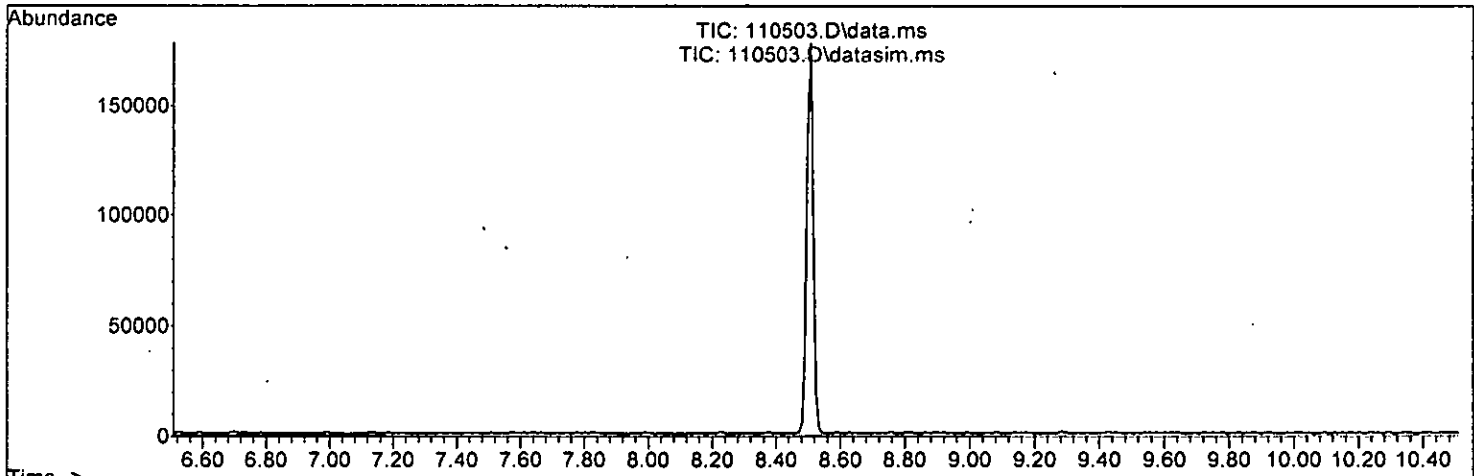
(fails) - fails 12hr time check * - fails criteria

Created: Mon Nov 07 15:51:48 2022 GCMS13

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110503.D
 Acq On : 05 Nov 2022 10:22 am
 Operator : VM
 Sample : 50 ng BFB 67-152A
 Misc : water
 ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: LSCINT.P
 Integration File signal 2: rteint2.p

Method : D:\Methods\Inst13\VB110522ms13.M
 Title : 8260 Purge & Trap Volatiles Dual Acquisition
 Last Update : Mon Nov 07 10:10:04 2022



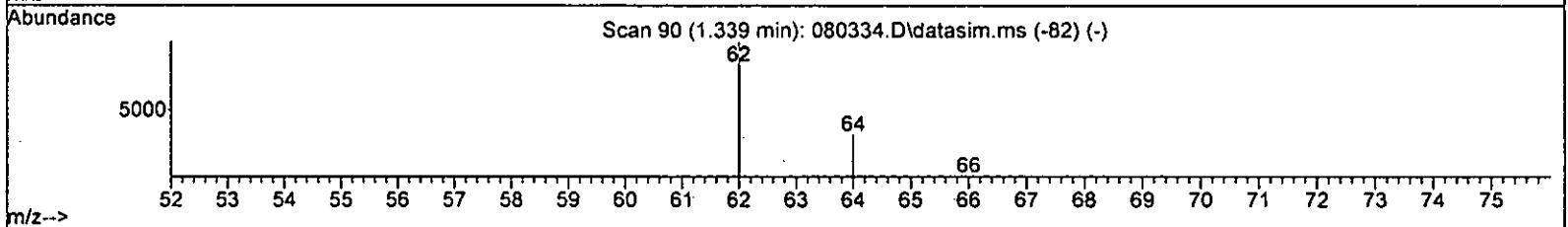
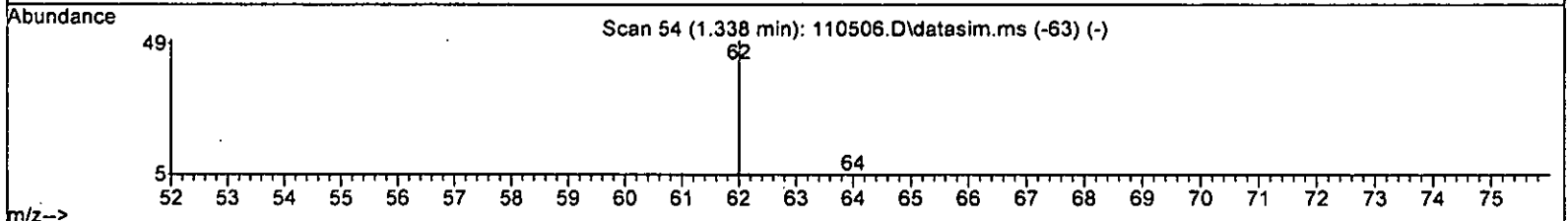
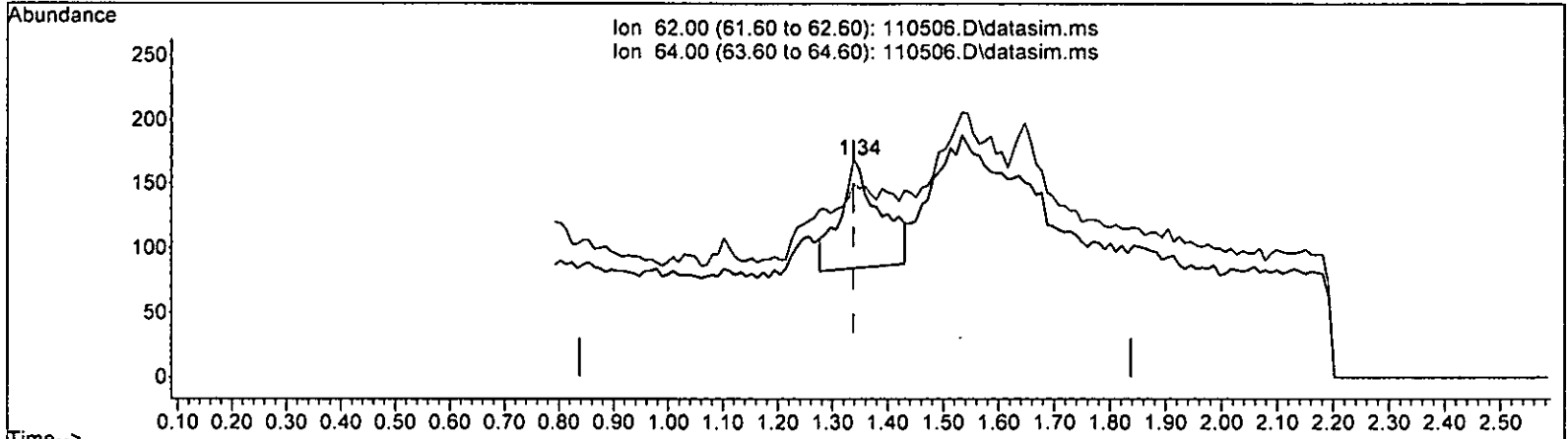
AutoFind: Scans 715, 716, 717; Background Corrected with Scan 709

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
95	174	50	200	90.0	24071	PASS
96	95	5	9	6.7	1621	PASS
173	174	0.00	2	0.6	157	PASS
174	95	50	200	111.1	26747	PASS
175	174	5	9	8.0	2142	PASS
176	174	95	105	95.8	25611	PASS
177	176	5	10	6.9	1773	PASS

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110506.D
 Acq On : 05 Nov 2022 11:34 am
 Operator : VM
 Sample : 0.02 ppb 8260 ICAL 67-177F
 Misc : soil/water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:09 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110506.D\data.ms

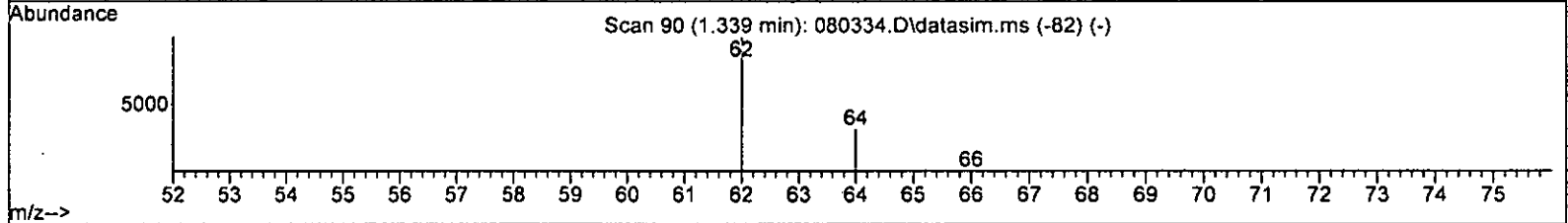
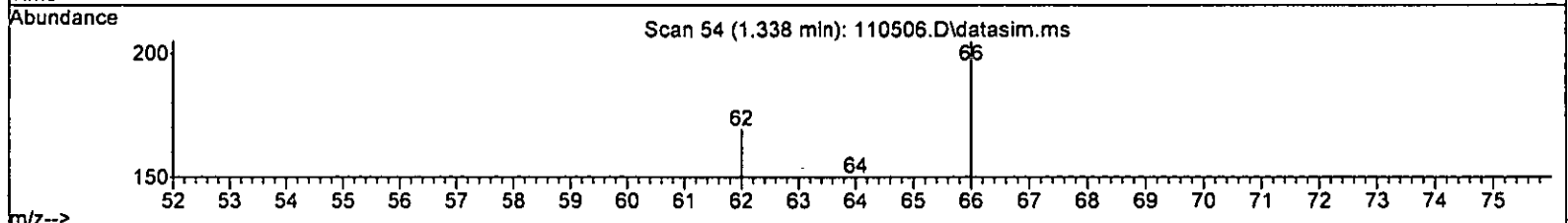
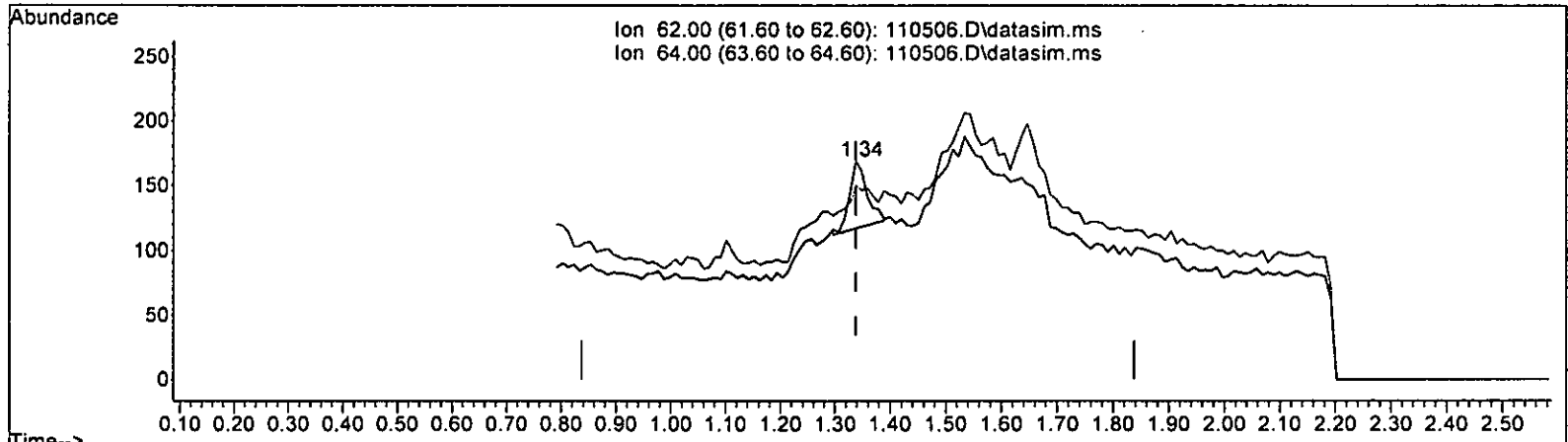
(6) Vinyl chloride (TMP)
 1.338min (-0.000) 0.075 ppb
 response 423

Ion	Exp%	Act%
62.00	100.00	100.00
64.00	34.40	32.26
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110506.D
 Acq On : 05 Nov 2022 11:34 am
 Operator : VM
 Sample : 0.02 ppb 8260 ICAL 67-177F
 Misc : soil/water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:09 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110506.D\data.ms

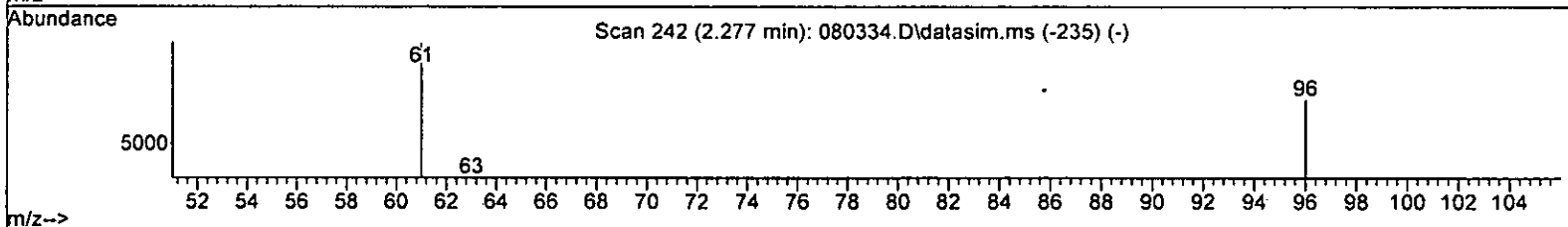
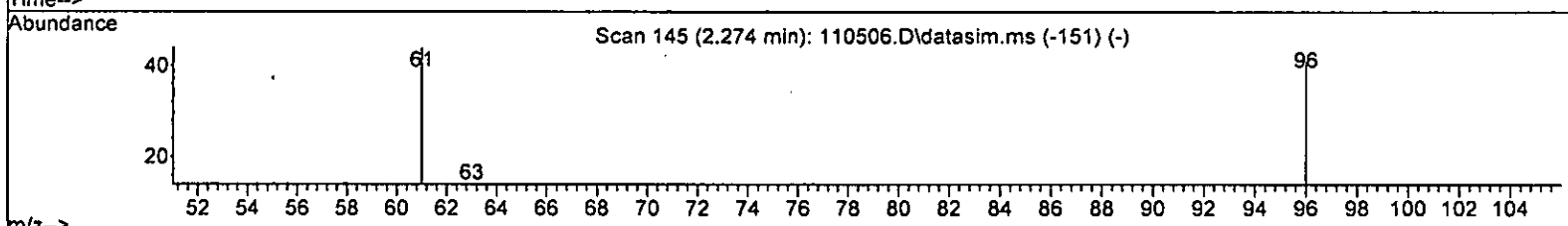
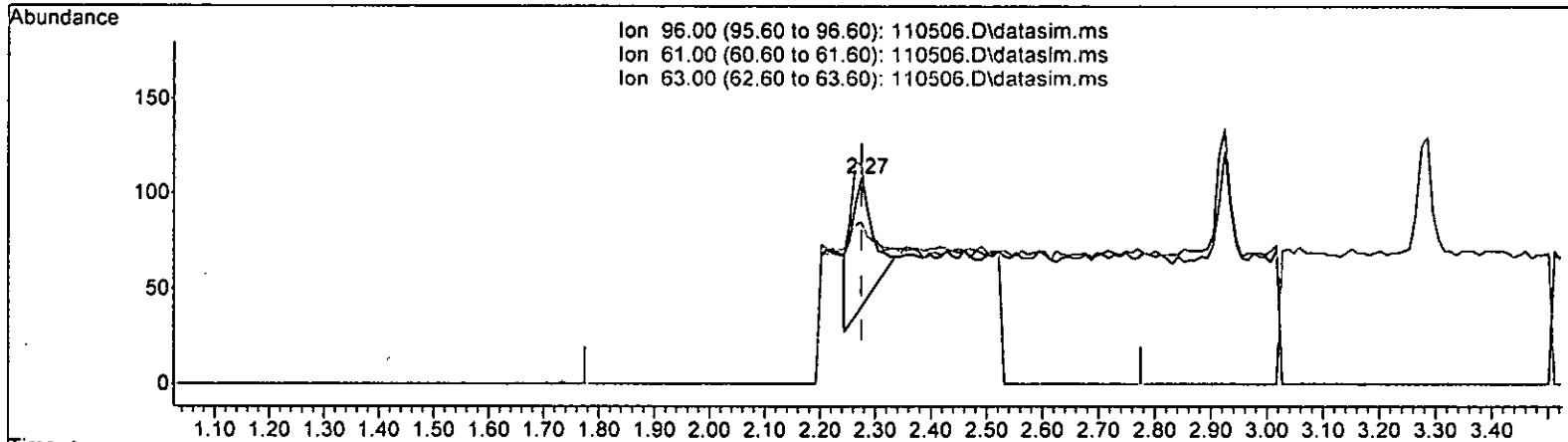
(6) Vinyl chloride (TMP)
 1.338min (-0.000) 0.020 ppb m
 response 115

Ion	Exp%	Act%
62.00	100.00	100.00
64.00	34.40	88.76#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110506.D
 Acq On : 05 Nov 2022 11:34 am
 Operator : VM
 Sample : 0.02 ppb 8260 ICAL 67-177F
 Misc : soil/water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:09 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



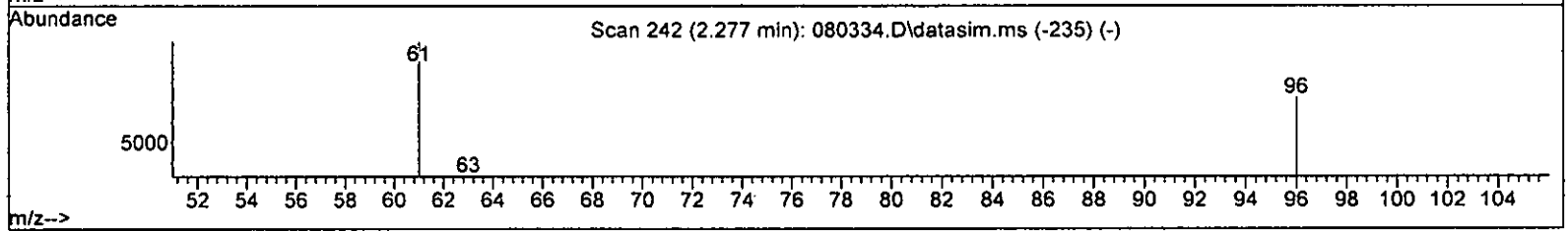
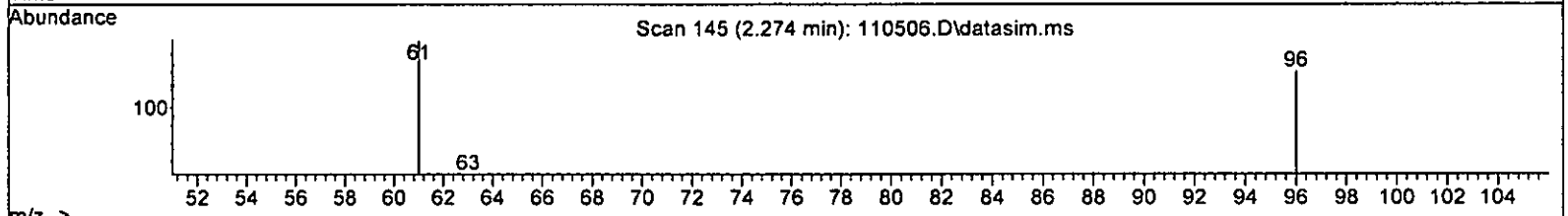
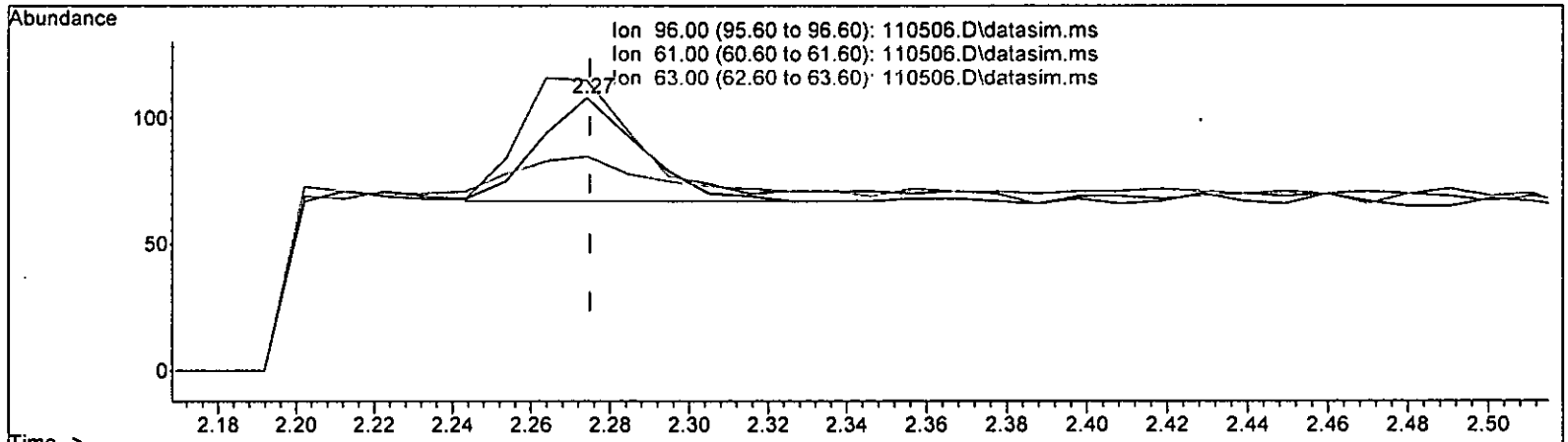
TIC: 110506.D\data.ms

(12)	1,1-Dichloroethene (TMP)	
2.274min (-0.001)	0.059 ppb	
response	185	
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	120.90	114.63
63.00	43.90	34.15
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110506.D
 Acq On : 05 Nov 2022 11:34 am
 Operator : VM
 Sample : 0.02 ppb 8260 ICAL 67-177F
 Misc : soil/water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:09 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110506.D\data.ms

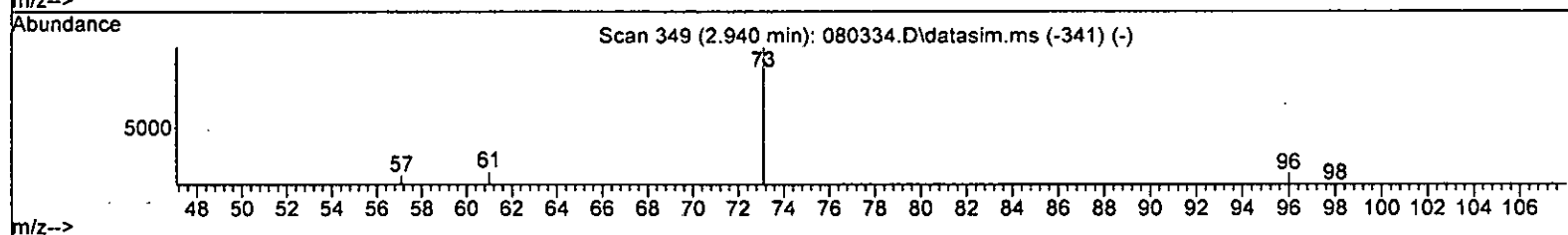
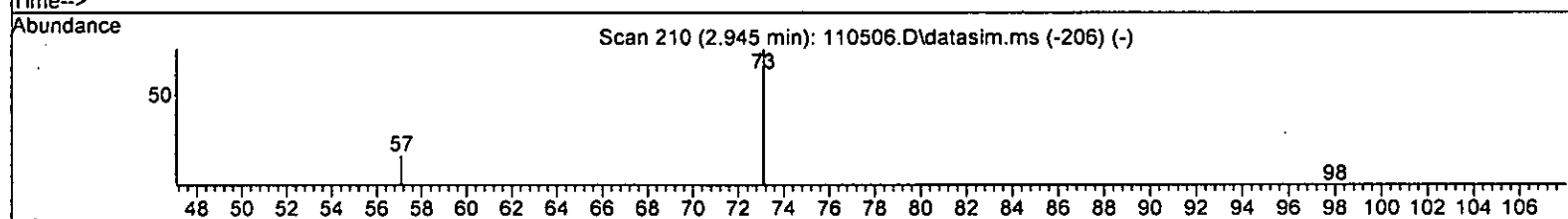
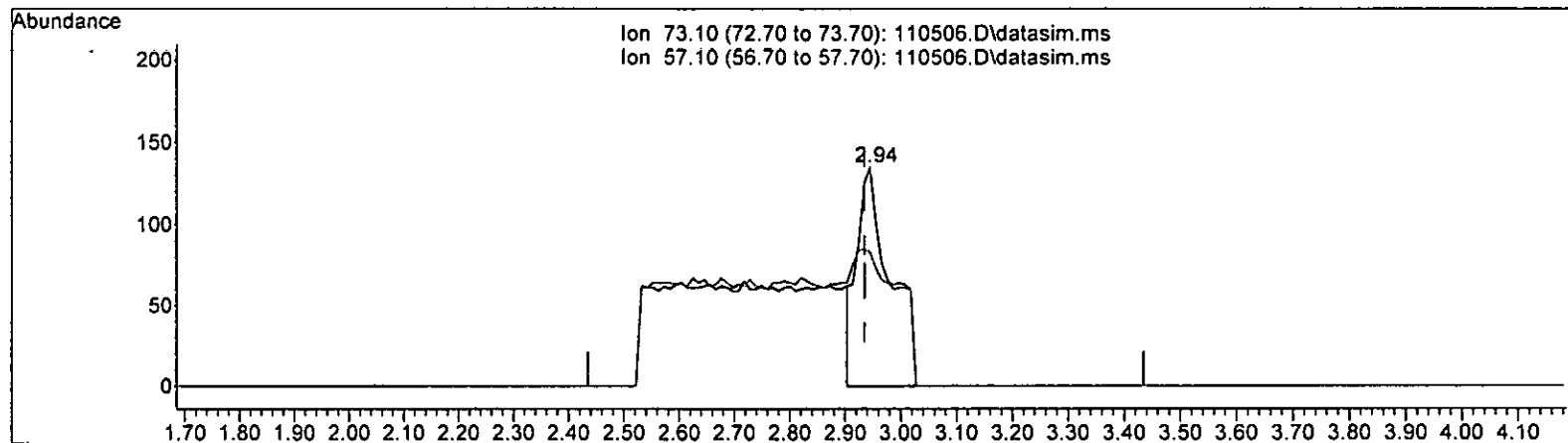
(12) 1,1-Dichloroethene (TMP)
 2.274min (-0.001) 0.023 ppb m

response	74	
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	120.90	106.48
63.00	43.90	78.70#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110506.D
 Acq On : 05 Nov 2022 11:34 am
 Operator : VM
 Sample : 0.02 ppb 8260 ICAL 67-177F
 Misc : soil/water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:09 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110506.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

2.945min (+ 0.010) 0.075 ppb

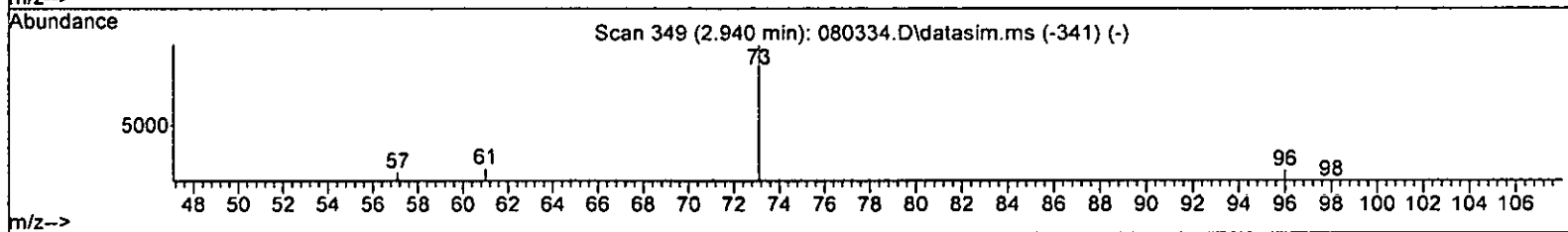
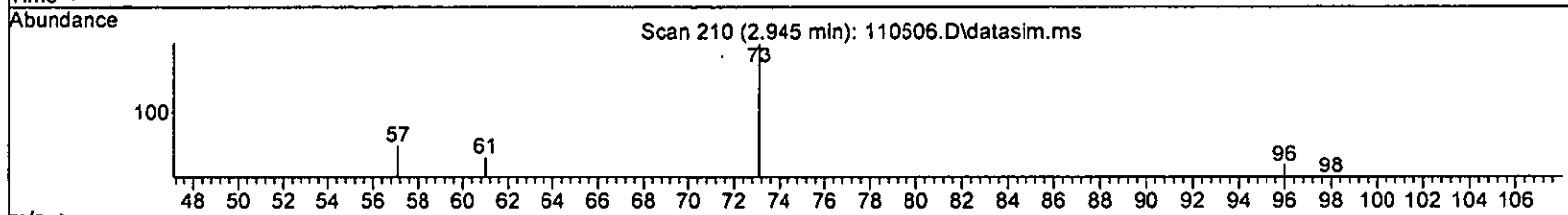
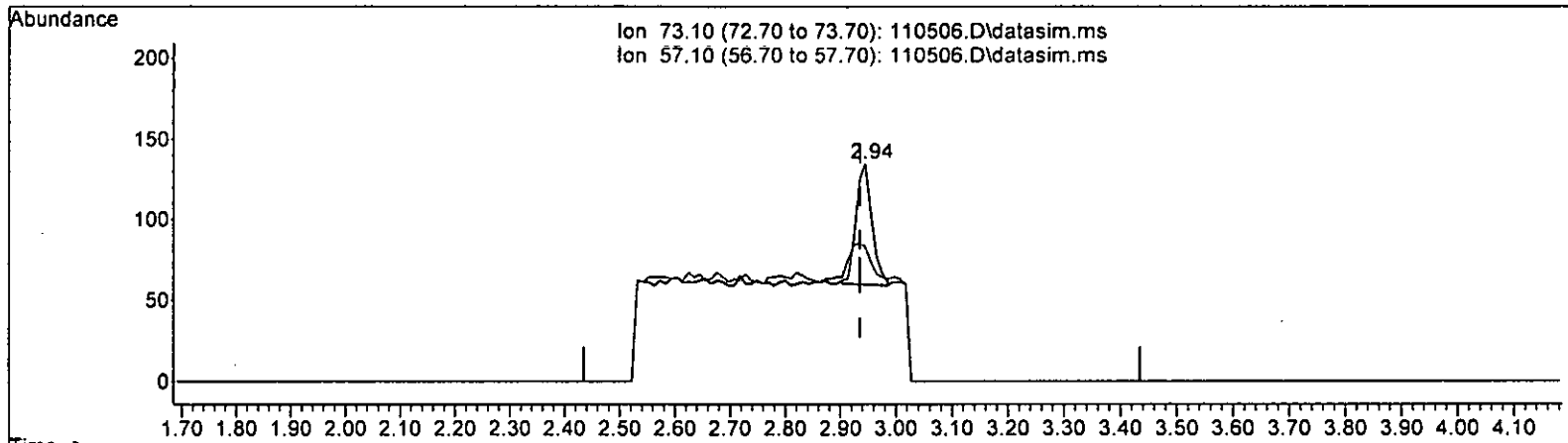
response 555

Ion	Exp%	Act%
73.10	100.00	100.00
57.10	19.40	61.48#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110506.D
 Acq On : 05 Nov 2022 11:34 am
 Operator : VM
 Sample : 0.02 ppb 8260 ICAL 67-177F
 Misc : soil/water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:09 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110506.D\data.ms

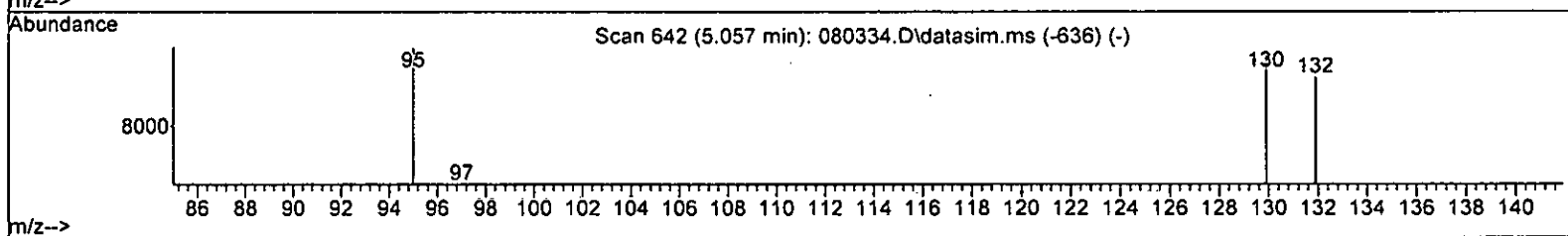
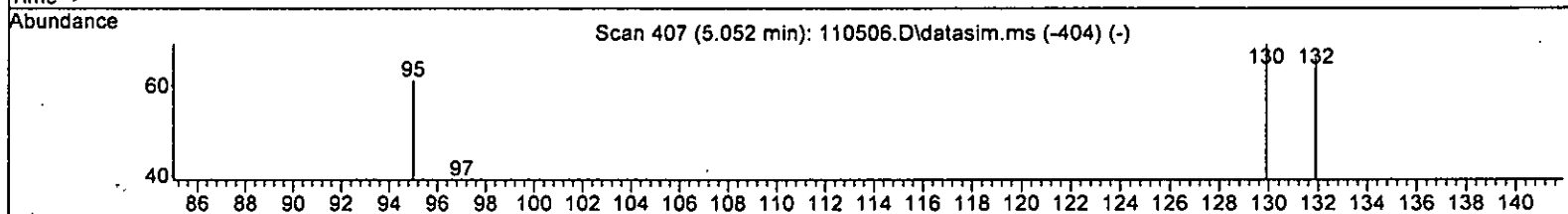
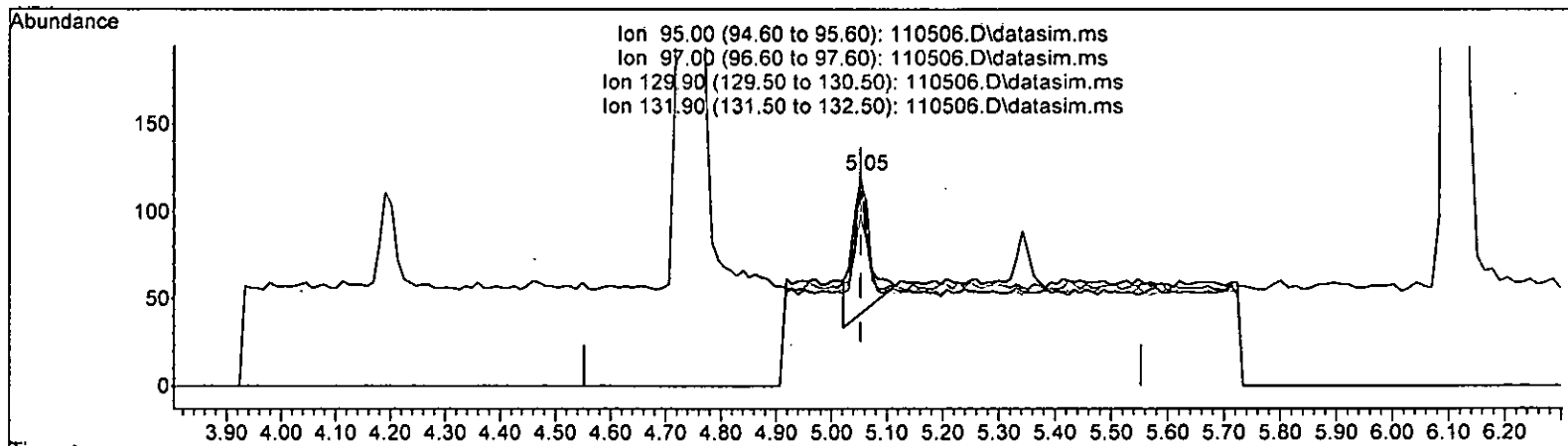
(16) Methyl t-butyl ether (MTBE) (TMP)
 2.945min (+ 0.010) 0.020 ppb m
 response 147

Ion	Exp%	Act%
73.10	100.00	100.00
57.10	19.40	61.48#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110506.D
 Acq On : 05 Nov 2022 11:34 am
 Operator : VM
 Sample : 0.02 ppb 8260 ICAL 67-177F
 Misc : soil/water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:09 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110506.D\data.ms

(32) Trichloroethene (TME)

5.052min (-0.001) 0.041 ppb

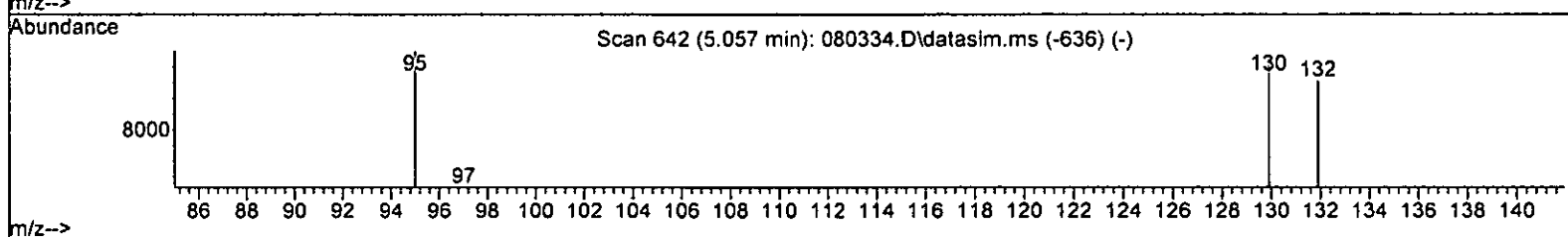
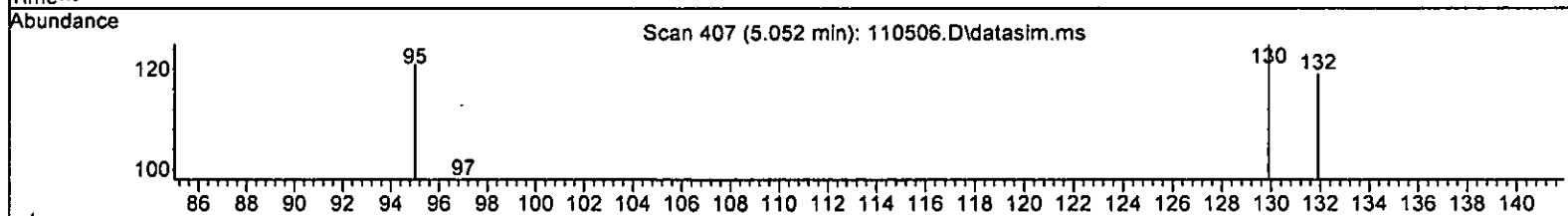
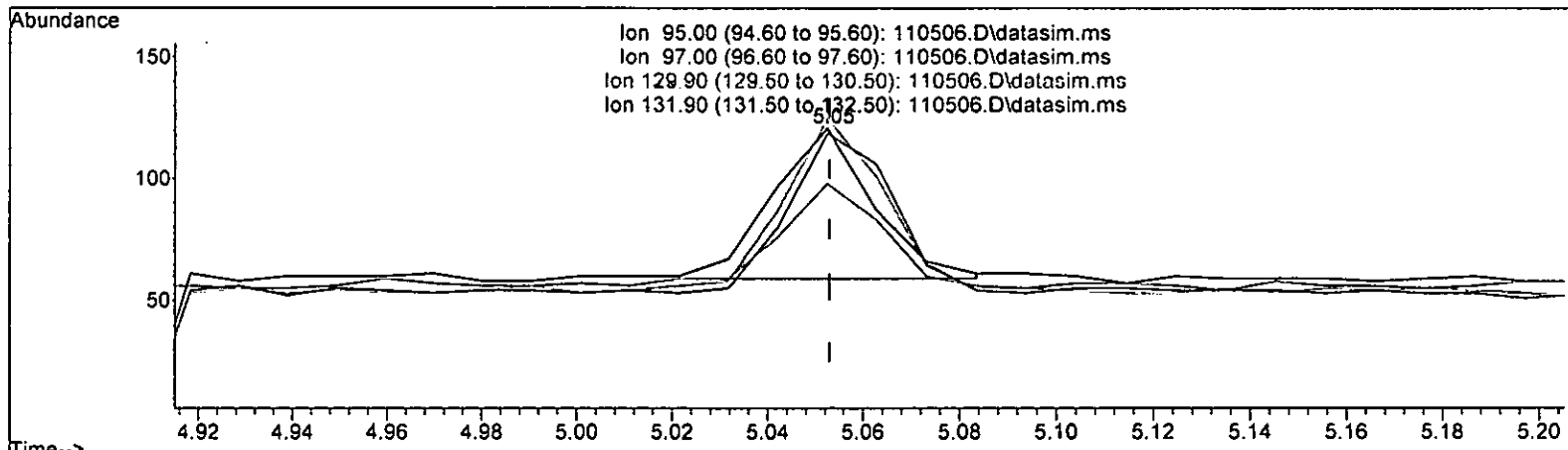
response 168

Ion	Exp%	Act%
95.00	100.00	100.00
97.00	64.60	64.06
129.90	103.40	112.50
131.90	95.80	103.13

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110506.D
 Acq On : 05 Nov 2022 11:34 am
 Operator : VM
 Sample : 0.02 ppb 8260 ICAL 67-177F
 Misc : soil/water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:09 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110506.D\data.ms

(32) Trichloroethene (TMP)

5.052min (-0.001) 0.022 ppb m

response	90
Ion	Exp% Act%
95.00	100.00 100.00
97.00	64.60 80.99
129.90	103.40 103.31
131.90	95.80 98.35

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110506.D
 Acq On : 05 Nov 2022 11:34 am
 Operator : VM
 Sample : 0.02 ppb 8260 ICAL 67-177F
 Misc : soil/water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:09 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	4.75	96	110742	10.000	ppb	0.00	
39) Chlorobenzene-d5	7.40	117	89451	10.000	ppb	0.00	
56) 1,4-Dichlorobenzene-d4	9.62	152	50648	10.000	ppb	0.00	
System Monitoring Compounds							
3) Dibromofluoromethane	4.17	113	35797	10.080	ppb	0.00	
Spiked Amount	10.000	Range 50 - 150	Recovery	=	100.80%		
30) 1,2-Dichloroethane-d4	4.45	102	6904	10.031	ppb	0.00	
Spiked Amount	10.000	Range 84 - 120	Recovery	=	100.30%		
35) Toluene-d8	6.11	98	104736	9.917	ppb	0.00	
Spiked Amount	10.000	Range 73 - 128	Recovery	=	99.20%		
57) 4-Bromofluorobenzene	8.51	95	36207	10.375	ppb	0.00	
Spiked Amount	10.000	Range 57 - 146	Recovery	=	103.70%		
Target Compounds							
							Qvalue
2) Ethanol	2.34	45	525	No	Calib		
4) Dichlorodifluoromethane	0.00		0	N.D.	d		
5) Chloromethane	0.00		0	N.D.	d		
6] Vinyl chloride	1.34	62	115m	0.020	ppb		
7) Bromomethane	0.00		0	N.D.			
8) Chloroethane	0.00		0	N.D.	d		
9) Trichlorofluoromethane	0.00		0	N.D.	d		
10) 2-Propanol	0.00		0	N.D.	d		
11) Acetone	0.00		0	N.D.	d		
12] 1,1-Dichloroethene	2.27	96	74m	0.023	ppb		
13) Hexane	0.00		0	N.D.	d		
14) Methylene chloride	0.00		0	N.D.	d		
15) t-Butyl alcohol (TBA)	0.00		0	N.D.			
16] Methyl t-butyl ether (...)	2.94	73	147m	0.020	ppb		
17] trans-1,2-Dichloroethene	2.92	96	81	0.023	ppb		97
18) Diisopropyl ether (DIPE)	0.00		0	N.D.	d		
19] 1,1-Dichloroethane	3.28	63	109	0.021	ppb		94
20) Ethyl t-butyl ether (E...)	0.00		0	N.D.			
21) 2,2-Dichloropropane	0.00		0	N.D.	d		
22] cis-1,2-Dichloroethene	3.77	96	83	0.022	ppb		84
23) Chloroform	0.00		0	N.D.	d		
24) 2-Butanone (MEK)	0.00		0	N.D.	d		
25) t-Amyl methyl ether (T...)	0.00		0	N.D.	d		
26) 1,2-Dichloroethane (EDC)	0.00		0	N.D.	d		
27] 1,1,1-Trichloroethane	4.19	97	117	0.022	ppb		93
28) 1,1-Dichloropropene	0.00		0	N.D.			
29) Carbon tetrachloride	0.00		0	N.D.			
31] Benzene	4.50	78	275	0.022	ppb		92
32] Trichloroethene	5.05	95	90m	0.022	ppb		
33) 1,2-Dichloropropane	0.00		0	N.D.	d		
34) Bromodichloromethane	0.00		0	N.D.	d		
36) Dibromomethane	0.00		0	N.D.			

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110506.D
 Acq On : 05 Nov 2022 11:34 am
 Operator : VM
 Sample : 0.02 ppb 8260 ICAL 67-177F
 Misc : soil/water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS13

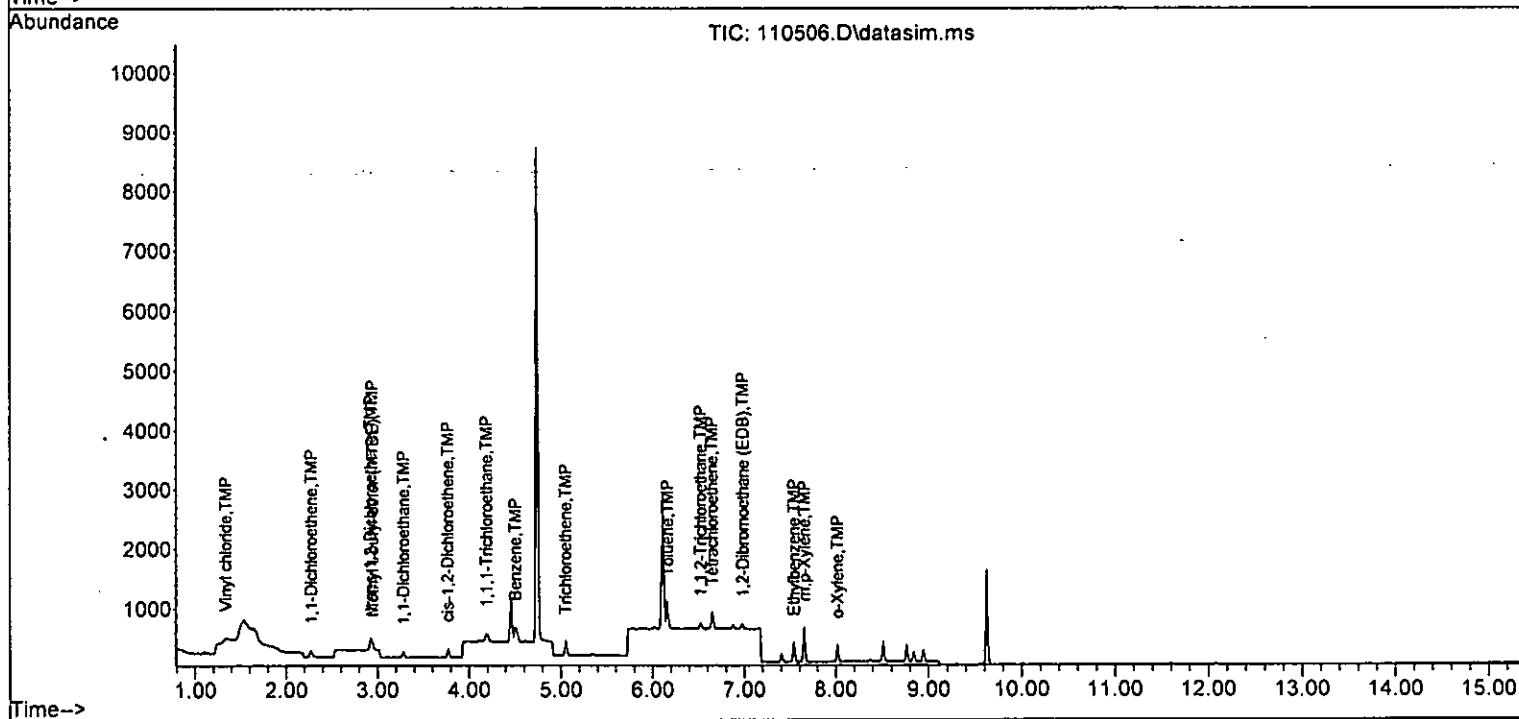
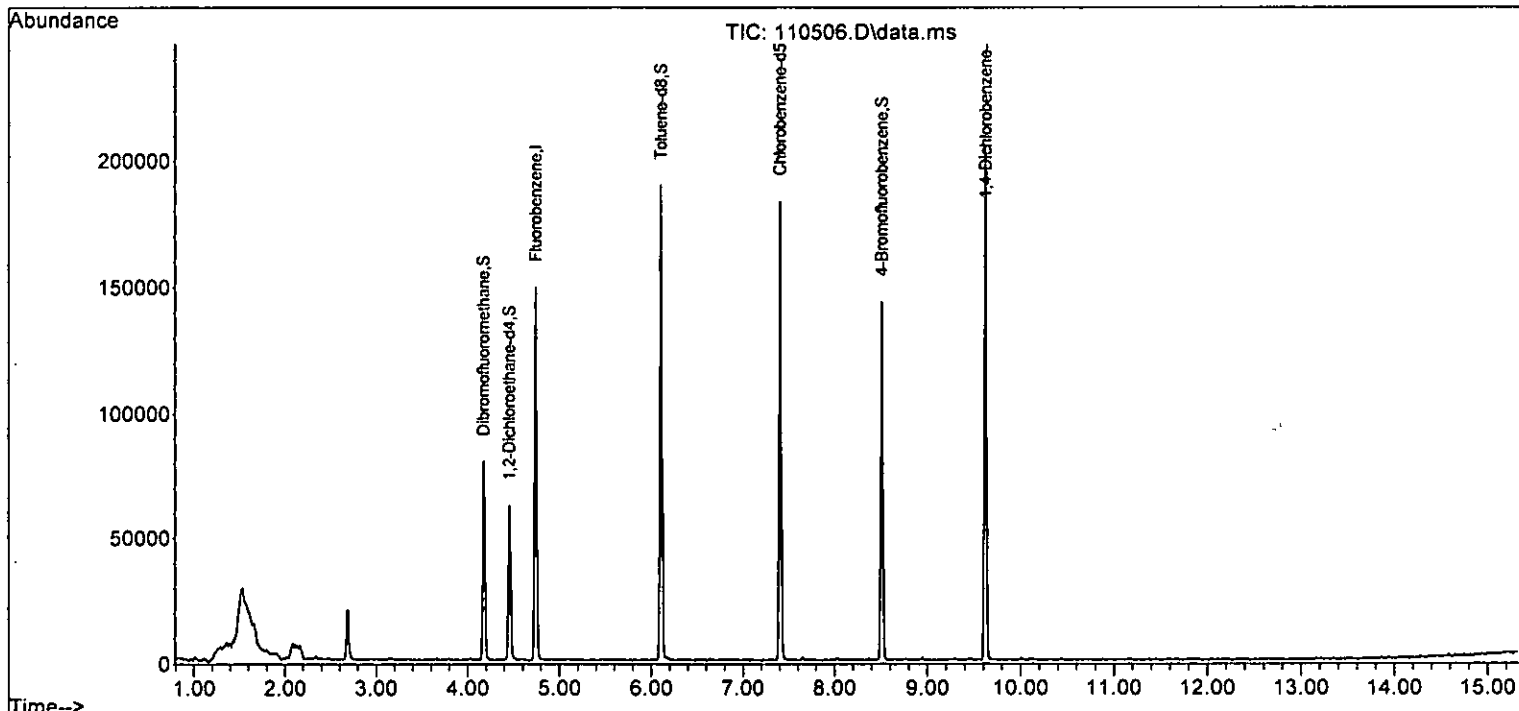
Quant Time: Nov 07 15:17:09 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.00		0	N.D.		
38) cis-1,3-Dichloropropene	0.00		0	N.D.	d	
40] Toluene	6.16	92	225	0.014	ppb	97
41) trans-1,3-Dichloropropene	0.00		0	N.D.		
42] 1,1,2-Trichloroethane	6.53	83	72	0.017	ppb	91
43) 2-Hexanone	0.00		0	N.D.	d	
44) 1,3-Dichloropropane	0.00		0	N.D.		
45] Tetrachloroethene	6.65	164	132	0.017	ppb	91
46) Dibromochloromethane	0.00		0	N.D.		
47] 1,2-Dibromoethane (EDB)	6.98	107	81	0.025	ppb	98
48) Chlorobenzene	0.00		0	N.D.	d	
49] Ethylbenzene	7.54	91	342	0.025	ppb	93
50) 1,1,1,2-Tetrachloroethane	7.52	131	26	N.D.		
51] m,p-Xylene	7.65	106	277	0.051	ppb	90
52] o-Xylene	8.02	106	128	0.024	ppb	84
53) Styrene	0.00		0	N.D.	d	
54) Isopropylbenzene	0.00		0	N.D.	d	
55) Bromoform	0.00		0	N.D.	d	
58) n-Propylbenzene	0.00		0	N.D.	d	
59) Bromobenzene	0.00		0	N.D.	d	
60) 1,3,5-Trimethylbenzene	0.00		0	N.D.	d	
61) 1,1,2,2-Tetrachloroethane	0.00		0	N.D.	d	
62) 1,2,3-Trichloropropane	0.00		0	N.D.	d	
63) 2-Chlorotoluene	0.00		0	N.D.	d	
64) 4-Chlorotoluene	0.00		0	N.D.	d	
65) tert-Butylbenzene	0.00		0	N.D.	d	
66) 1,2,4-Trimethylbenzene	0.00		0	N.D.	d	
67) sec-Butylbenzene	0.00		0	N.D.	d	
68) p-Isopropyltoluene	0.00		0	N.D.	d	
69) 1,3-Dichlorobenzene	0.00		0	N.D.	d	
70) 1,4-Dichlorobenzene	0.00		0	N.D.	d	
71) 1,2-Dichlorobenzene	0.00		0	N.D.	d	
72) 1,2-Dibromo-3-chloropr...	0.00		0	N.D.		
73) 1,2,4-Trichlorobenzene	0.00		0	N.D.	d	
74) Hexachlorobutadiene	0.00		0	N.D.		
75) Naphthalene	0.00		0	N.D.	d	
76) 1,2,3-Trichlorobenzene	0.00		0	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110506.D
 Acq On : 05 Nov 2022 11:34 am
 Operator : VM
 Sample : 0.02 ppb 8260 ICAL 67-177F
 Misc : soil/water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:09 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110506.D
 Acq On : 05 Nov 2022 11:34 am
 Operator : VM
 Sample : 0.02 ppb 8260 ICAL 67-177F
 Misc : soil/water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:09 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2 TMP	Ethanol	-1.000	0.000	0.0	0	0.01
3 S	Dibromofluoromethane	10.000	10.080	-0.8	100	0.00
4 TMP	Dichlorodifluoromethane	-1.000	0.000	0.0	0	-1.12#
5 TMP	Chloromethane	-1.000	0.000	0.0	0	-1.26#
6 TMP	Vinyl chloride	0.020	0.020	0.0	76	0.00
7 TMP	Bromomethane	-1.000	0.000	0.0	0	-1.58#
8 TMP	Chloroethane	-1.000	0.000	0.0	0	-1.65#
9 TMP	Trichlorofluoromethane	-1.000	0.000	0.0	0	-1.83#
10 TMP	2-Propanol	-1.000	0.000	0.0	0	-2.33#
11 TMP	Acetone	-1.000	0.000	0.0	0	-2.33#
12 TMP	1,1-Dichloroethene	0.020	0.023	-15.0	100	0.00
13 TMP	Hexane	-1.000	0.000	0.0	0	-3.16#
14 TMP	Methylene chloride	-1.000	0.000	0.0	0	-2.68#
15 TMP	t-Butyl alcohol (TBA)	-1.000	0.000	0.0	0	-2.82#
16 TMP	Methyl t-butyl ether (MTBE)	0.020	0.020	0.0	98	0.00
17 TMP	trans-1,2-Dichloroethene	0.020	0.023	-15.0	100	0.00
18 TMP	Diisopropyl ether (DIPE)	-1.000	0.000	0.0	0	-3.35#
19 TMP	1,1-Dichloroethane	0.020	0.021	-5.0	100	0.00
20 TMP	Ethyl t-butyl ether (ETBE)	-1.000	0.000	0.0	0	-3.66#
21 TMP	2,2-Dichloropropane	-1.000	0.000	0.0	0	-3.77#
22 TMP	cis-1,2-Dichloroethene	0.020	0.022	-10.0	100	0.00
23 TMP	Chloroform	-1.000	0.000	0.0	0	-4.04#
24 TMP	2-Butanone (MEK)	-1.000	0.000	0.0	0	-3.79#
25 TMP	t-Amyl methyl ether (TAME)	-1.000	0.000	0.0	0	-4.61#
26 TMP	1,2-Dichloroethane (EDC)	-1.000	0.000	0.0	0	-4.53#
27 TMP	1,1,1-Trichloroethane	0.020	0.022	-10.0	100	0.00
28 TMP	1,1-Dichloropropene	-1.000	0.000	0.0	0	-4.33#
29 TMP	Carbon tetrachloride	-1.000	0.000	0.0	0	-4.33#
30 S	1,2-Dichloroethane-d4	10.000	10.031	-0.3	100	0.00
31 TMP	Benzene	0.020	0.022	-10.0	100	0.00
32 TMP	Trichloroethene	0.020	0.022	-10.0	94	0.00
33 TMP	1,2-Dichloropropane	-1.000	0.000	0.0	0	-5.24#
34 TMP	Bromodichloromethane	-1.000	0.000	0.0	0	-5.48#
35 S	Toluene-d8	10.000	9.917	0.8	100	0.00
36 TMP	Dibromomethane	-1.000	0.000	0.0	0	-5.35#
37 TMP	4-Methyl-2-pentanone	-1.000	0.000	0.0	0	-6.03#
38 TMP	cis-1,3-Dichloropropene	-1.000	0.000	0.0	0	-5.88#
39 I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40 TMP	Toluene	0.020	0.014	30.0#	100	0.00
41 TMP	trans-1,3-Dichloropropene	-1.000	0.000	0.0	0	-6.36#
42 TMP	1,1,2-Trichloroethane	0.020	0.017	15.0	107	0.00
43 TMP	2-Hexanone	-1.000	0.000	0.0	0	-6.76#

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110506.D
 Acq On : 05 Nov 2022 11:34 am
 Operator : VM
 Sample : 0.02 ppb 8260 ICAI 67-177F
 Misc : soil/water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:09 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	-1.000	0.000	0.0	0	-6.68#
45 TMP Tetrachloroethene	0.020	0.017	15.0	100	0.00
46 TMP Dibromochloromethane	-1.000	0.000	0.0	0	-6.88#
47 TMP 1,2-Dibromoethane (EDB)	0.020	0.025	-25.0#	100	0.00
48 TMP Chlorobenzene	-1.000	0.000	0.0	0	-7.43#
49 TMP Ethylbenzene	0.020	0.025	-25.0#	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	-1.000	0.008	0.0	0	0.00
51 TMP m,p-Xylene	0.040	0.051	-27.5#	100	0.00
52 TMP o-Xylene	0.020	0.024	-20.0	100	0.00
53 TMP Styrene	-1.000	0.000	0.0	0	-8.03#
54 TMP Isopropylbenzene	-1.000	0.000	0.0	0	-8.37#
55 TMP Bromoform	-1.000	0.000	0.0	0	-8.20#
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	10.000	10.375	-3.8	100	0.00
58 TMP n-Propylbenzene	-1.000	0.000	0.0	0	-8.77#
59 TMP Bromobenzene	-1.000	0.000	0.0	0	-8.65#
60 TMP 1,3,5-Trimethylbenzene	-1.000	0.000	0.0	0	-8.94#
61 TMP 1,1,2,2-Tetrachloroethane	-1.000	0.000	0.0	0	-8.65#
62 TMP 1,2,3-Trichloropropane	-1.000	0.000	0.0	0	-8.70#
63 TMP 2-Chlorotoluene	-1.000	0.000	0.0	0	-8.84#
64 TMP 4-Chlorotoluene	-1.000	0.000	0.0	0	-8.95#
65 TMP tert-Butylbenzene	-1.000	0.000	0.0	0	-9.25#
66 TMP 1,2,4-Trimethylbenzene	-1.000	0.000	0.0	0	-9.30#
67 TMP sec-Butylbenzene	-1.000	0.000	0.0	0	-9.46#
68 TMP p-Isopropyltoluene	-1.000	0.000	0.0	0	-9.61#
69 TMP 1,3-Dichlorobenzene	-1.000	0.000	0.0	0	-9.56#
70 TMP 1,4-Dichlorobenzene	-1.000	0.000	0.0	0	-9.64#
71 TMP 1,2-Dichlorobenzene	-1.000	0.000	0.0	0	-10.01#
72 TMP 1,2-Dibromo-3-chloropropane	-1.000	0.000	0.0	0	-10.78#
73 TMP 1,2,4-Trichlorobenzene	-1.000	0.000	0.0	0	-11.59#
74 TMP Hexachlorobutadiene	-1.000	0.000	0.0	0	-11.77#
75 TMP Naphthalene	-1.000	0.000	0.0	0	-11.84#
76 TMP 1,2,3-Trichlorobenzene	-1.000	0.000	0.0	0	-12.08#

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110506.D
 Acq On : 05 Nov 2022 11:34 am
 Operator : VM
 Sample : 0.02 ppb 8260 ICAL 67-177F
 Misc : soil/water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:09 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2 TMP	Ethanol	0.000	0.000#	0.0	0#	0.01
3 S	Dibromofluoromethane	0.321	0.323	-0.6	100	0.00
4 TMP	Dichlorodifluoromethane	0.800	0.000#	100.0#	0#	-1.12#
5 TMP	Chloromethane	0.488	0.000#	100.0#	0#	-1.26#
6 TMP	Vinyl chloride	0.510	0.519	-1.8	75	0.00
7 TMP	Bromomethane	0.432	0.000#	100.0#	0#	-1.58#
8 TMP	Chloroethane	0.229	0.000#	100.0#	0#	-1.65#
9 TMP	Trichlorofluoromethane	1.123	0.000#	100.0#	0#	-1.83#
10 TMP	2-Propanol	0.000	0.000	0.0	0#	-2.33#
11 TMP	Acetone	0.029	0.000#	100.0#	0#	-2.33#
12 TMP	1,1-Dichloroethene	0.285	0.334	-17.2	100	0.00
13 TMP	Hexane	0.323	0.000#	100.0#	0#	-3.16#
14 TMP	Methylene chloride	0.289	0.000#	100.0#	0#	-2.68#
15 TMP	t-Butyl alcohol (TBA)	0.024	0.000#	100.0#	0#	-2.82#
16 TMP	Methyl t-butyl ether (MTBE)	0.666	0.664	0.3	98	0.00
17 TMP	trans-1,2-Dichloroethene	0.318	0.366	-15.1	100	0.00
18 TMP	Diisopropyl ether (DIPE)	0.698	0.000#	100.0#	0#	-3.35#
19 TMP	1,1-Dichloroethane	0.463	0.492	-6.3	100	0.00
20 TMP	Ethyl t-butyl ether (ETBE)	0.258	0.000#	100.0#	0#	-3.66#
21 TMP	2,2-Dichloropropane	0.258	0.000#	100.0#	0#	-3.77#
22 TMP	cis-1,2-Dichloroethene	0.333	0.375	-12.6	100	0.00
23 TMP	Chloroform	0.539	0.000#	100.0#	0#	-4.04#
24 TMP	2-Butanone (MEK)	0.132	0.000#	100.0#	0#	-3.79#
25 TMP	t-Amyl methyl ether (TAME)	0.540	0.000#	100.0#	0#	-4.61#
26 TMP	1,2-Dichloroethane (EDC)	0.465	0.000#	100.0#	0#	-4.53#
27 TMP	1,1,1-Trichloroethane	0.482	0.528	-9.5	100	0.00
28 TMP	1,1-Dichloropropene	0.370	0.000#	100.0#	0#	-4.33#
29 TMP	Carbon tetrachloride	0.485	0.000#	100.0#	0#	-4.33#
30 S	1,2-Dichloroethane-d4	0.062	0.062	0.0	100	0.00
31 TMP	Benzene	1.118	1.242	-11.1	100	0.00
32 TMP	Trichloroethene	0.367	0.406	-10.6	94	0.00
33 TMP	1,2-Dichloropropane	0.241	0.000#	100.0#	0#	-5.24#
34 TMP	Bromodichloromethane	0.387	0.000#	100.0#	0#	-5.48#
35 S	Toluene-d8	0.954	0.946	0.8	100	0.00
36 TMP	Dibromomethane	0.219	0.000#	100.0#	0#	-5.35#
37 TMP	4-Methyl-2-pentanone	0.042	0.000#	100.0#	0#	-6.03#
38 TMP	cis-1,3-Dichloropropene	0.360	0.000#	100.0#	0#	-5.88#
39 I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40 TMP	Toluene	0.907	1.258	-38.7#	100	0.00
41 TMP	trans-1,3-Dichloropropene	0.366	0.000#	100.0#	0#	-6.36#
42 TMP	1,1,2-Trichloroethane	0.285	0.402	-41.1#	107	0.00
43 TMP	2-Hexanone	0.190	0.000#	100.0#	0#	-6.76#

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110506.D
 Acq On : 05 Nov 2022 11:34 am
 Operator : VM
 Sample : 0.02 ppb 8260 ICAL 67-177F
 Misc : soil/water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:09 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.457	0.000#	100.0#	0#	-6.68#
45 TMP Tetrachloroethene	0.460	0.738	-60.4#	100	0.00
46 TMP Dibromochloromethane	0.451	0.000#	100.0#	0#	-6.88#
47 TMP 1,2-Dibromoethane (EDB)	0.360	0.453	-25.8#	100	0.00
48 TMP Chlorobenzene	0.993	0.000#	100.0#	0#	-7.43#
49 TMP Ethylbenzene	1.557	1.912	-22.8#	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.387	0.000#	100.0#	0#	0.00
51 TMP m,p-Xylene	0.612	0.774	-26.5#	100	0.00
52 TMP o-Xylene	0.591	0.715	-21.0#	100	0.00
53 TMP Styrene	0.887	0.000#	100.0#	0#	-8.03#
54 TMP Isopropylbenzene	1.435	0.000#	100.0#	0#	-8.37#
55 TMP Bromoform	0.299	0.000#	100.0#	0#	-8.20#
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	0.689	0.715	-3.8	100	0.00
58 TMP n-Propylbenzene	2.700	0.000#	100.0#	0#	-8.77#
59 TMP Bromobenzene	0.837	0.000#	100.0#	0#	-8.65#
60 TMP 1,3,5-Trimethylbenzene	1.968	0.000#	100.0#	0#	-8.94#
61 TMP 1,1,2,2-Tetrachloroethane	0.626	0.000#	100.0#	0#	-8.65#
62 TMP 1,2,3-Trichloropropane	0.486	0.000#	100.0#	0#	-8.70#
63 TMP 2-Chlorotoluene	1.617	0.000#	100.0#	0#	-8.84#
64 TMP 4-Chlorotoluene	1.912	0.000#	100.0#	0#	-8.95#
65 TMP tert-Butylbenzene	1.952	0.000#	100.0#	0#	-9.25#
66 TMP 1,2,4-Trimethylbenzene	1.996	0.000#	100.0#	0#	-9.30#
67 TMP sec-Butylbenzene	2.624	0.000#	100.0#	0#	-9.46#
68 TMP p-Isopropyltoluene	2.387	0.000#	100.0#	0#	-9.61#
69 TMP 1,3-Dichlorobenzene	1.530	0.000#	100.0#	0#	-9.56#
70 TMP 1,4-Dichlorobenzene	1.564	0.000#	100.0#	0#	-9.64#
71 TMP 1,2-Dichlorobenzene	1.455	0.000#	100.0#	0#	-10.01#
72 TMP 1,2-Dibromo-3-chloropropane	0.108	0.000#	100.0#	0#	-10.78#
73 TMP 1,2,4-Trichlorobenzene	0.971	0.000#	100.0#	0#	-11.59#
74 TMP Hexachlorobutadiene	0.600	0.000#	100.0#	0#	-11.77#
75 TMP Naphthalene	1.833	0.000#	100.0#	0#	-11.84#
76 TMP 1,2,3-Trichlorobenzene	0.846	0.000#	100.0#	0#	-12.08#

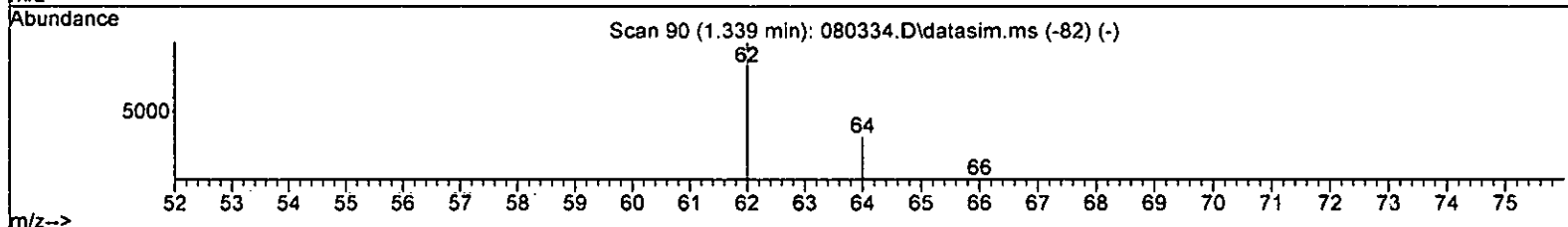
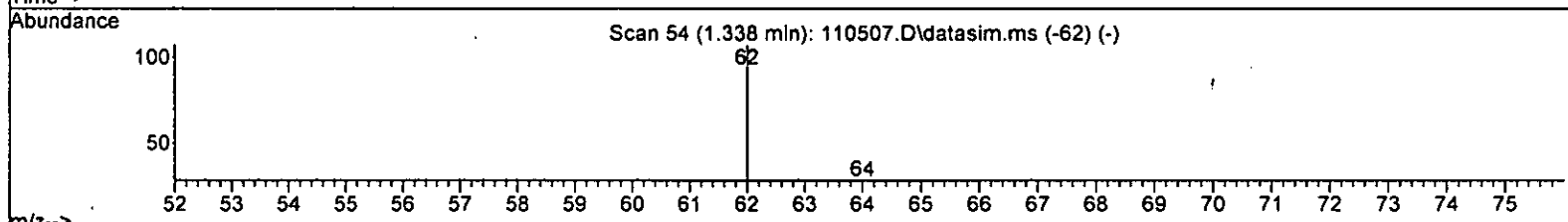
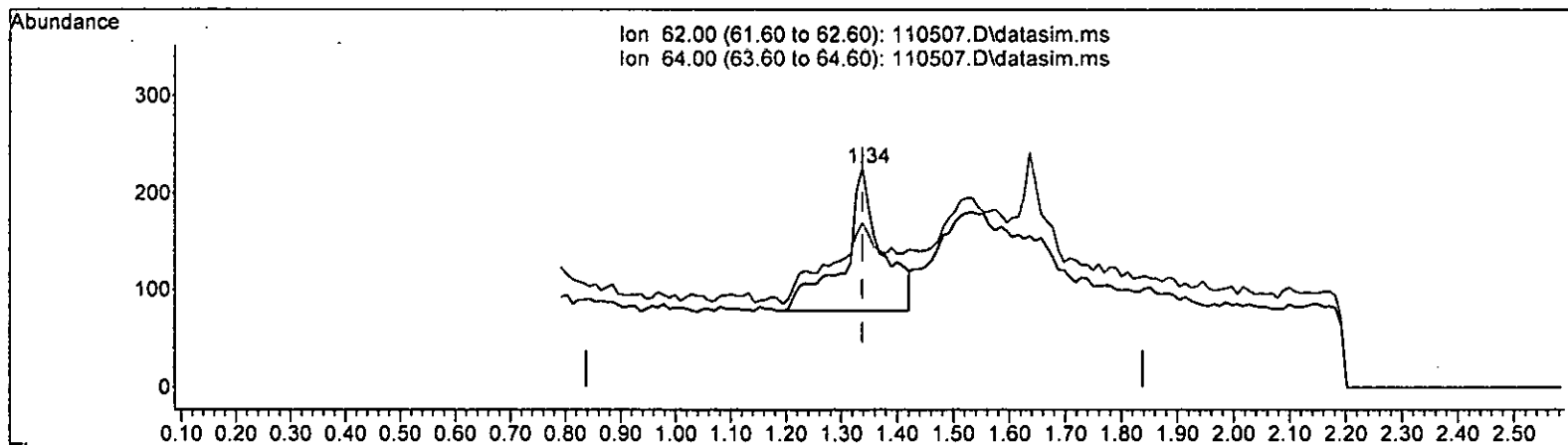
(#) = Out of Range

SPCC's out = 52 CCC's out = 0

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110507.D
 Acq On : 05 Nov 2022 11:57 am
 Operator : VM
 Sample : 0.04 ppb 8260 ICAL 67-177G
 Misc : soil/water
 ALS Vial : 3 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:11 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110507.D\data.ms

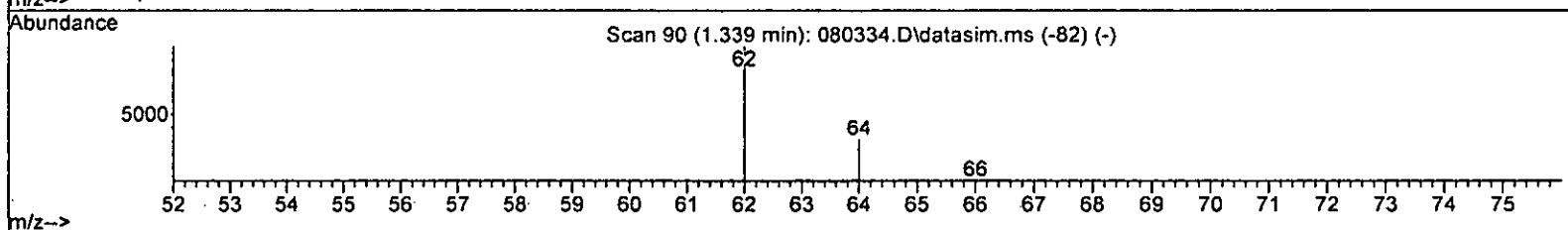
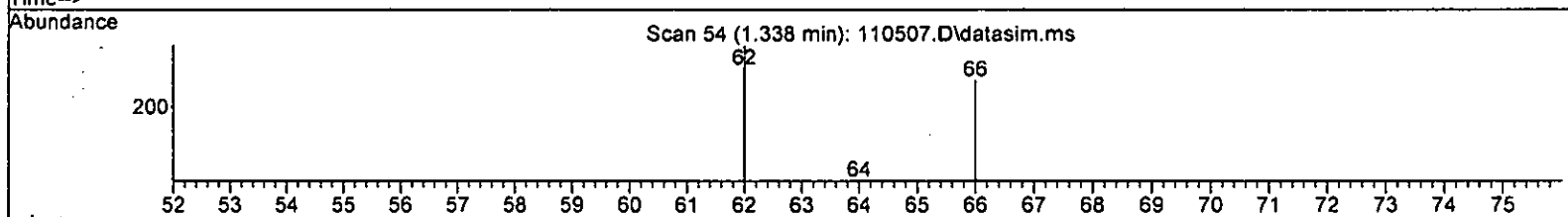
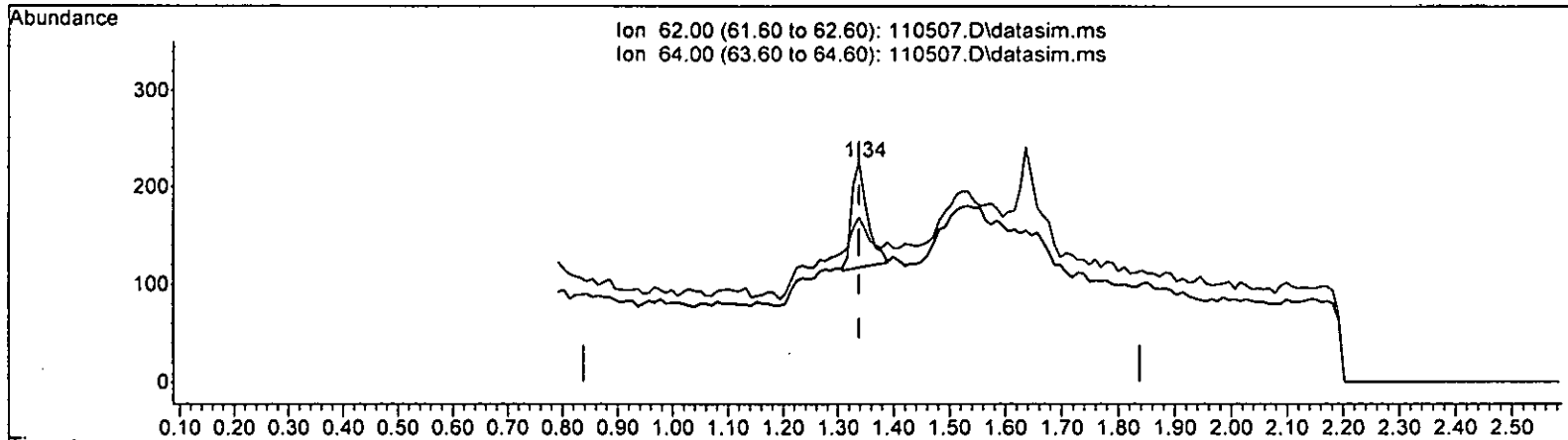
(6) Vinyl chloride (TMP)
 1.338min (-0.000) 0.121 ppb
 response 688

Ion	Exp%	Act%
62.00	100.00	100.00
64.00	34.40	56.76
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110507.D
 Acq On : 05 Nov 2022 11:57 am
 Operator : VM
 Sample : 0.04 ppb 8260 ICAL 67-177G
 Misc : soil/water
 ALS Vial : 3 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:11 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110507.D\data.ms

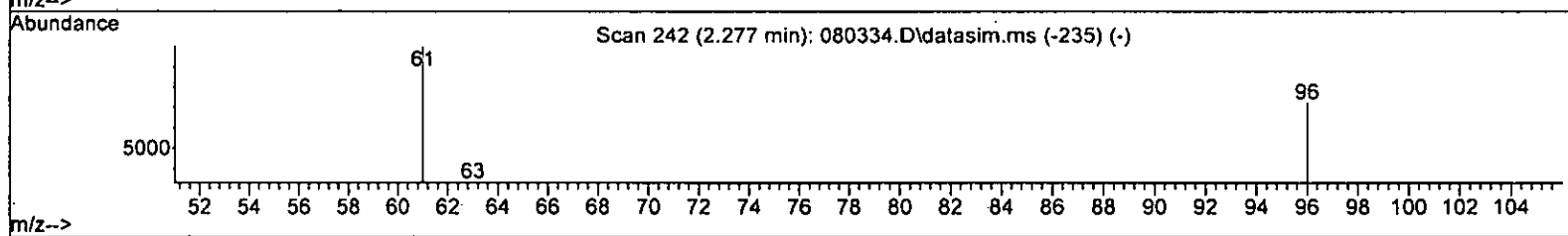
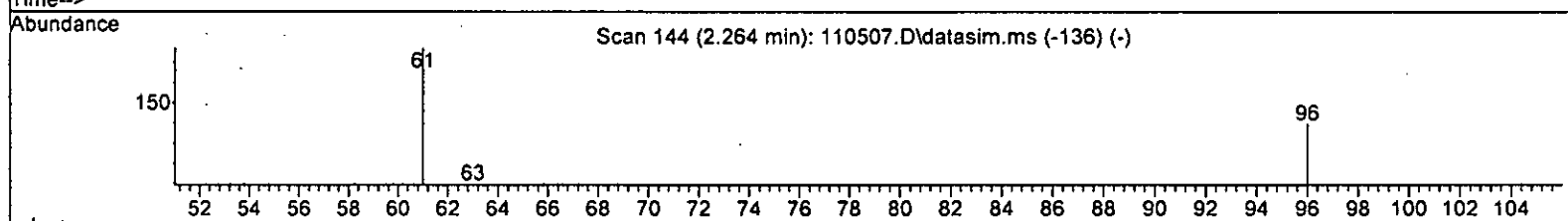
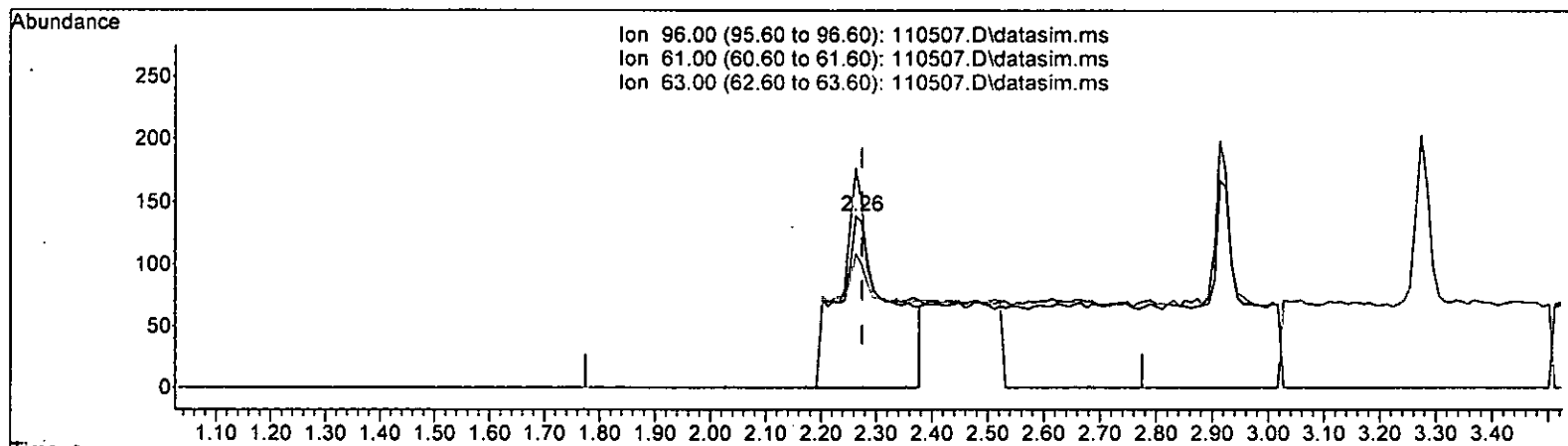
(6) Vinyl chloride (TMP)
 1.338min (-0.000) 0.038 ppb m
 response 214

Ion	Exp%	Act%
62.00	100.00	100.00
64.00	34.40	74.78#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110507.D
 Acq On : 05 Nov 2022 11:57 am
 Operator : VM
 Sample : 0.04 ppb 8260 ICAL 67-177G
 Misc : soil/water
 ALS Vial : 3 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:11 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



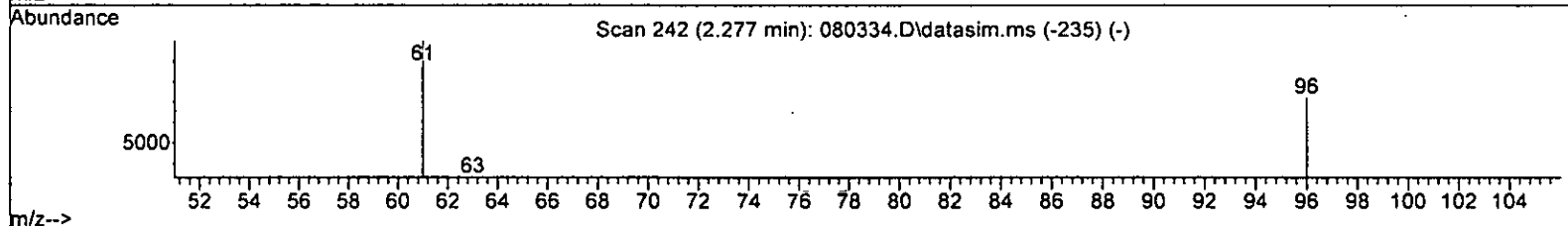
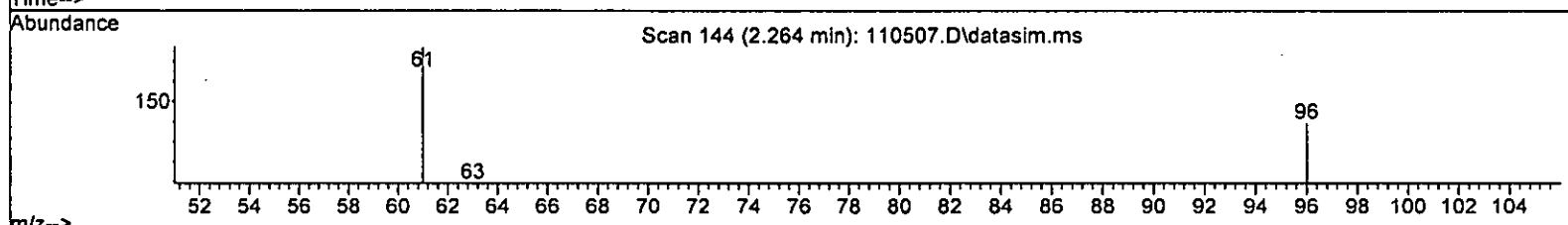
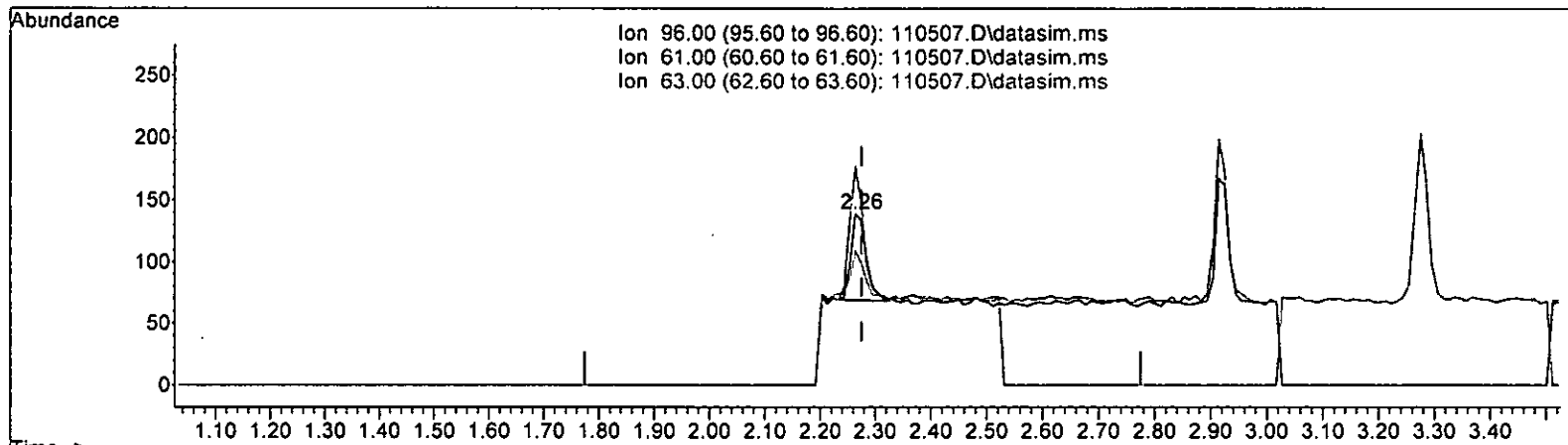
TIC: 110507.D\data.ms

(12)	1,1-Dichloroethene (TMP)
2.264min (-0.011)	0.280 ppb
response	892
Ion	Exp% Act%
96.00	100.00 100.00
61.00	120.90 127.34
63.00	43.90 78.42#
0.00	0.00 0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110507.D
 Acq On : 05 Nov 2022 11:57 am
 Operator : VM
 Sample : 0.04 ppb 8260 ICAL 67-177G
 Misc : soil/water
 ALS Vial : 3 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:11 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110507.D\data.ms

(12) 1,1-Dichloroethene (TMP)

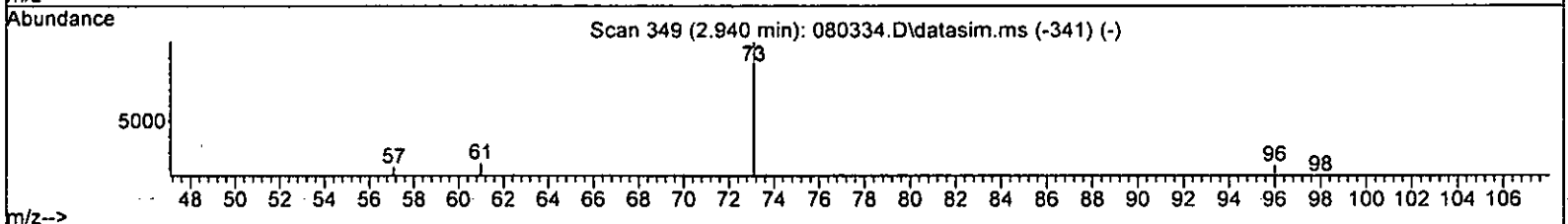
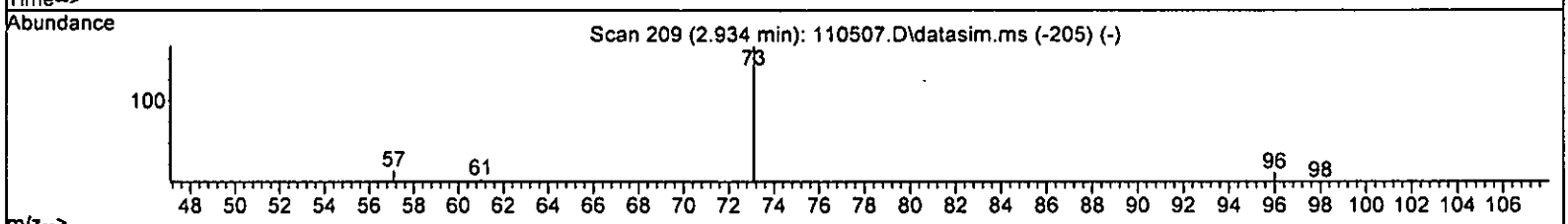
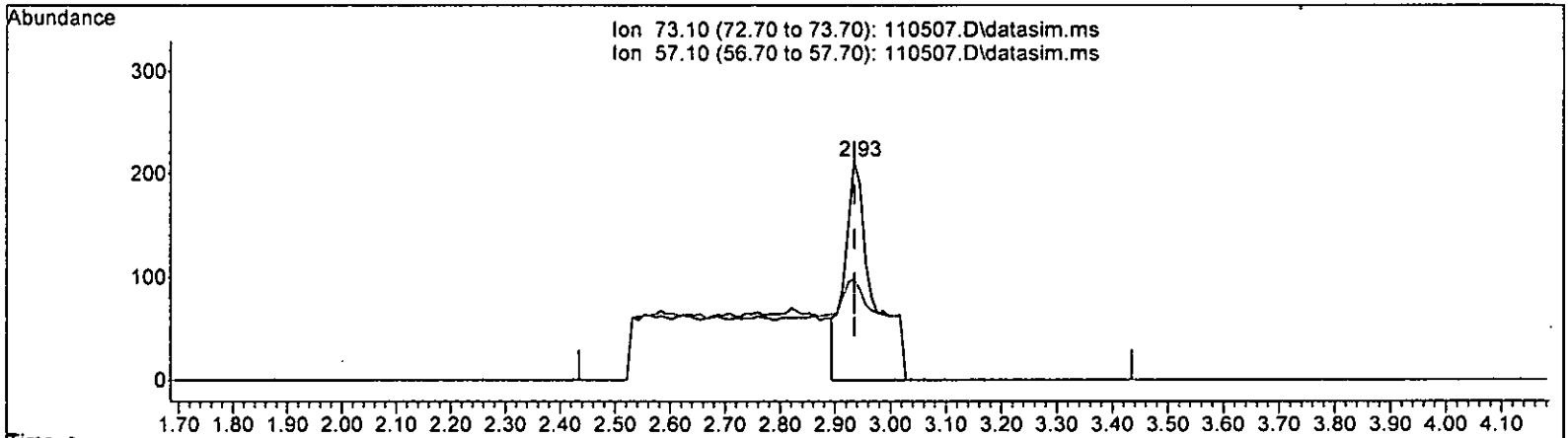
2.264min (-0.011) 0.042 ppb m

response	133
Ion	Exp% Act%
96.00	100.00 100.00
61.00	120.90 127.34
63.00	43.90 78.42#
0.00	0.00 0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110507.D
 Acq On : 05 Nov 2022 11:57 am
 Operator : VM
 Sample : 0.04 ppb 8260 ICAL 67-177G
 Misc : soil/water
 ALS Vial : 3 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:11 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110507.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

2.934min (-0.001) 0.101 ppb

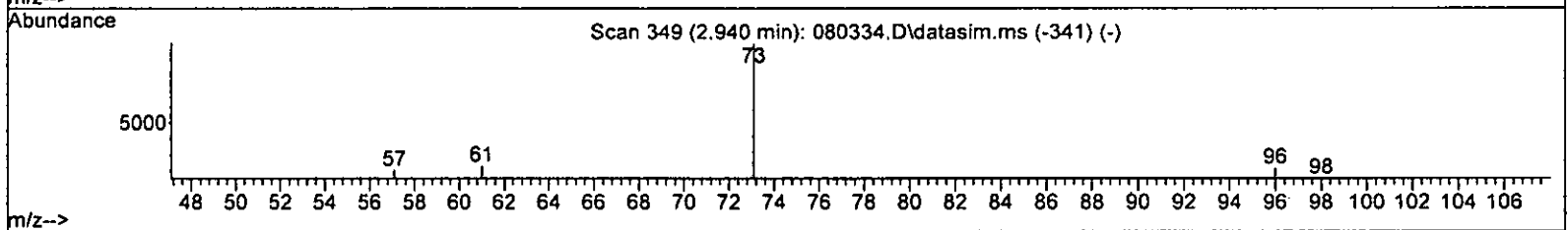
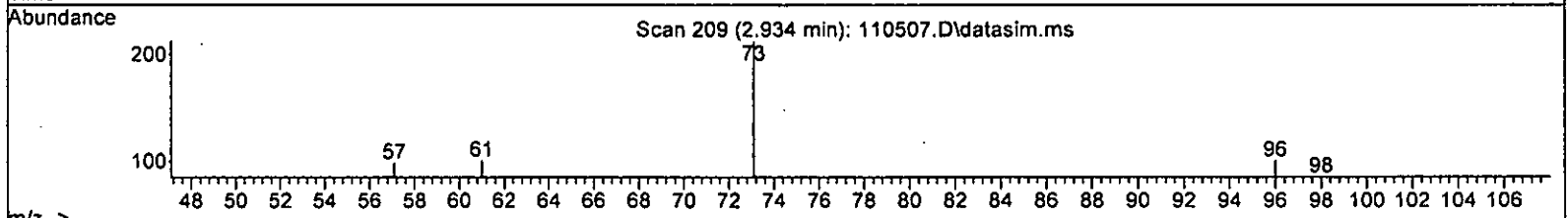
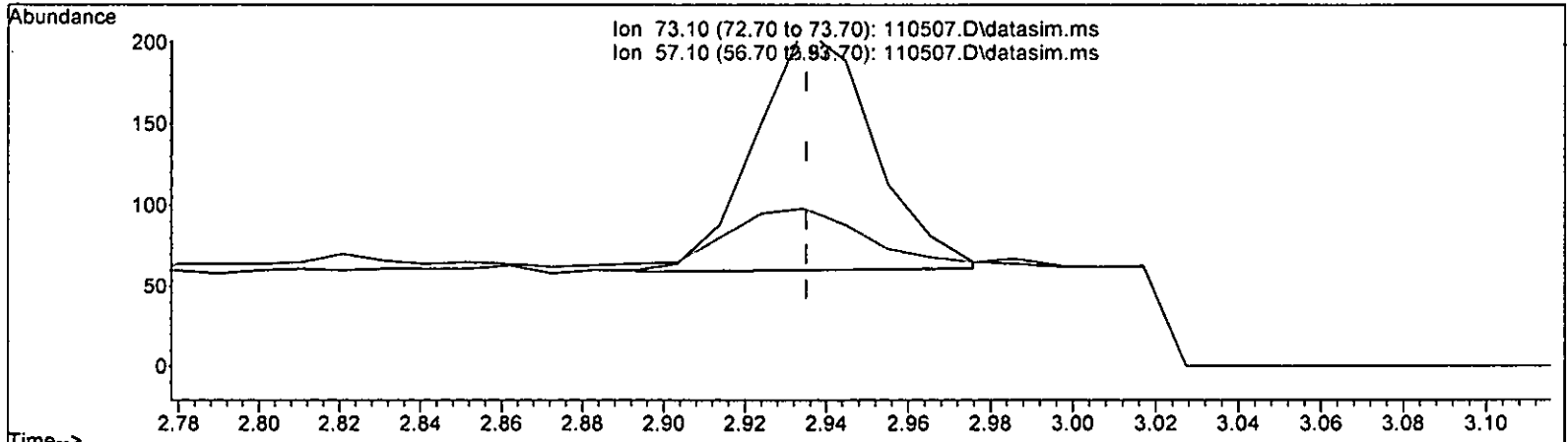
response 751

Ion	Exp%	Act%
73.10	100.00	100.00
57.10	19.40	46.23
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110507.D
 Acq On : 05 Nov 2022 11:57 am
 Operator : VM
 Sample : 0.04 ppb 8260 ICAL 67-177G
 Misc : soil/water
 ALS Vial : 3 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:11 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110507.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

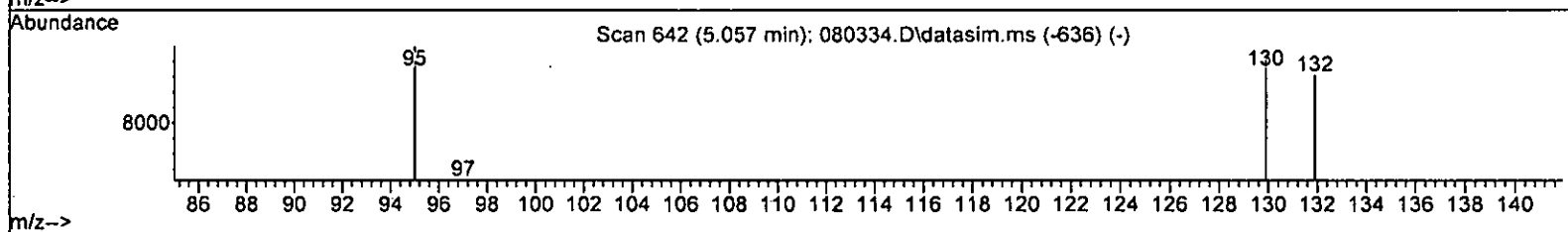
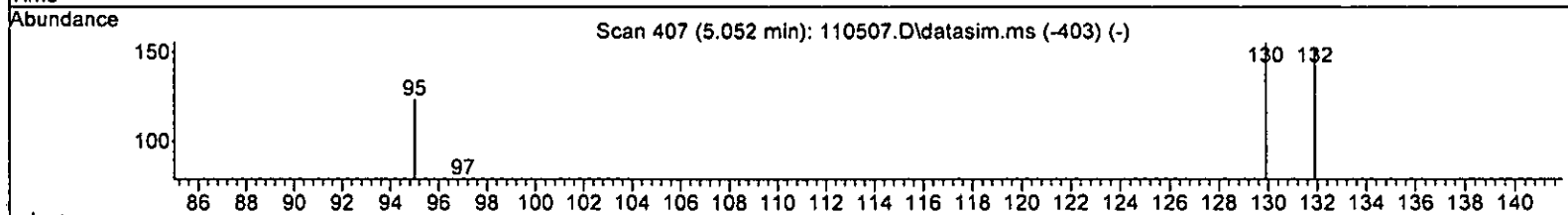
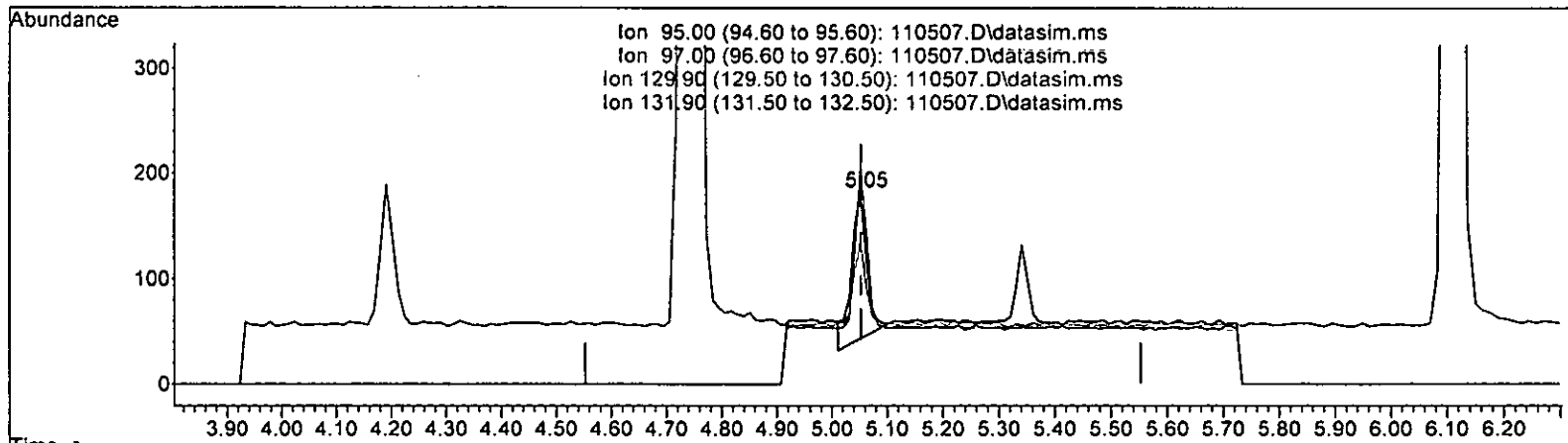
2.934min (-0.001) 0.040 ppb m

response	299
Ion	Exp% Act%
73.10	100.00 100.00
57.10	19.40 46.23
0.00	0.00 0.00
0.00	0.00 0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110507.D
 Acq On : 05 Nov 2022 11:57 am
 Operator : VM
 Sample : 0.04 ppb 8260 ICAL 67-177G
 Misc : soil/water
 ALS Vial : 3 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:11 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



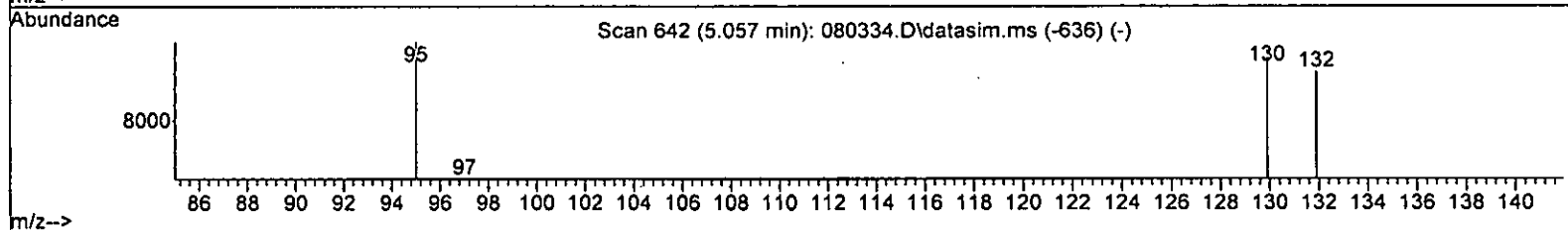
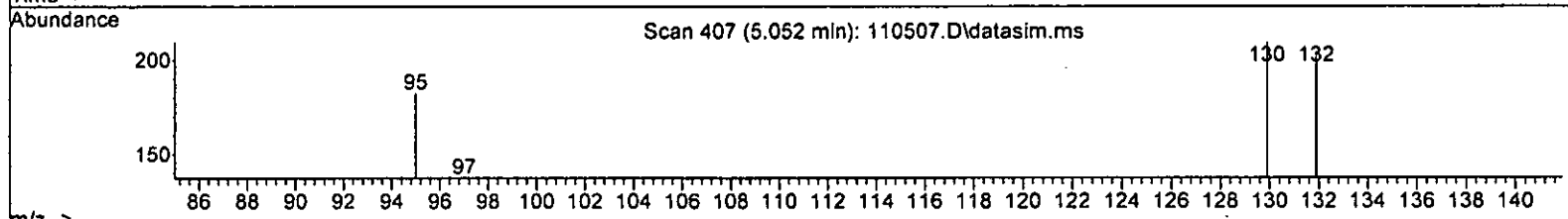
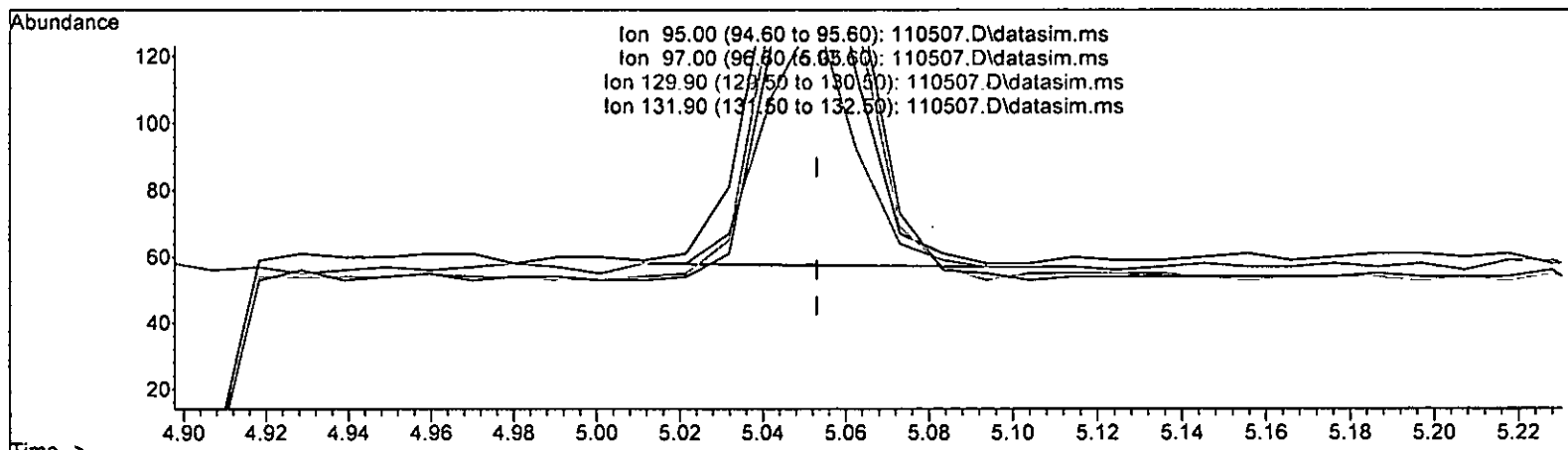
TIC: 110507.D\data.ms

(32) Trichloroethene (TMP)		
Time (min)	Response	Concentration (ppb)
5.052min (-0.001)	266	0.065 ppb
Ion	Exp%	Act%
95.00	100.00	100.00
97.00	64.60	64.52
129.90	103.40	125.00
131.90	95.80	121.77

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110507.D
 Acq On : 05 Nov 2022 11:57 am
 Operator : VM
 Sample : 0.04 ppb 8260 ICAL 67-177G
 Misc : soil/water
 ALS Vial : 3 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:11 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110507.D\data.ms

(32) Trichloroethene (TME)

5.052min (-0.001) 0.048 ppb m

response 196

Ion	Exp%	Act%
95.00	100.00	100.00
97.00	64.60	75.27
129.90	103.40	114.84
131.90	95.80	112.09

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110507.D
 Acq On : 05 Nov 2022 11:57 am
 Operator : VM
 Sample : 0.04 ppb 8260 ICAL 67-177G
 Misc : soil/water
 ALS Vial : 3 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:11 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	4.75	96	111750	10.000	ppb	0.00	
39) Chlorobenzene-d5	7.40	117	92506	10.000	ppb	0.00	
56) 1,4-Dichlorobenzene-d4	9.62	152	50709	10.000	ppb	0.00	
System Monitoring Compounds							
3) Dibromofluoromethane	4.17	113	33909	9.462	ppb	0.00	
Spiked Amount	10.000	Range	50 - 150	Recovery	=	94.60%	
30) 1,2-Dichloroethane-d4	4.45	102	7214	10.387	ppb	0.00	
Spiked Amount	10.000	Range	84 - 120	Recovery	=	103.90%	
35) Toluene-d8	6.10	98	105914	9.938	ppb	0.00	
Spiked Amount	10.000	Range	73 - 128	Recovery	=	99.40%	
57) 4-Bromofluorobenzene	8.51	95	37140	10.629	ppb	0.00	
Spiked Amount	10.000	Range	57 - 146	Recovery	=	106.30%	
Target Compounds							
							Qvalue
2) Ethanol	2.33	45	342	No Calib			
4) Dichlorodifluoromethane	0.00		0	N.D.	d		
5) Chloromethane	0.00		0	N.D.	d		
6] Vinyl chloride	1.34	62	214m	0.038	ppb		
7) Bromomethane	0.00		0	N.D.	d		
8) Chloroethane	0.00		0	N.D.	d		
9) Trichlorofluoromethane	0.00		0	N.D.	d		
10) 2-Propanol	0.00		0	N.D.	d		
11) Acetone	0.00		0	N.D.	d		
12] 1,1-Dichloroethene	2.26	96	133m	0.042	ppb		
13) Hexane	0.00		0	N.D.	d		
14) Methylene chloride	0.00		0	N.D.	d		
15) t-Butyl alcohol (TBA)	0.00		0	N.D.	d		
16] Methyl t-butyl ether (...)	2.93	73	299m	0.040	ppb		
17] trans-1,2-Dichloroethene	2.91	96	172	0.048	ppb		82
18) Diisopropyl ether (DIPE)	0.00		0	N.D.	d		
19] 1,1-Dichloroethane	3.27	63	221	0.043	ppb		94
20) Ethyl t-butyl ether (E...)	0.00		0	N.D.	d		
21) 2,2-Dichloropropane	0.00		0	N.D.	d		
22] cis-1,2-Dichloroethene	3.77	96	165	0.044	ppb		96
23) Chloroform	0.00		0	N.D.	d		
24) 2-Butanone (MEK)	0.00		0	N.D.	d		
25) t-Amyl methyl ether (T...)	0.00		0	N.D.	d		
26] 1,2-Dichloroethane (EDC)	4.52	62	408	0.051	ppb		94
27] 1,1,1-Trichloroethane	4.19	97	230	0.043	ppb		94
28) 1,1-Dichloropropene	0.00		0	N.D.	d		
29) Carbon tetrachloride	0.00		0	N.D.	d		
31] Benzene	4.50	78	637	0.051	ppb		99
32] Trichloroethene	5.05	95	196m	0.048	ppb		
33) 1,2-Dichloropropane	0.00		0	N.D.	d		
34) Bromodichloromethane	0.00		0	N.D.	d		
36) Dibromomethane	0.00		0	N.D.	d		

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110507.D
 Acq On : 05 Nov 2022 11:57 am
 Operator : VM
 Sample : 0.04 ppb 8260 ICAL 67-177G
 Misc : soil/water
 ALS Vial : 3 Sample Multiplier: 1
 InstName : GCMS13

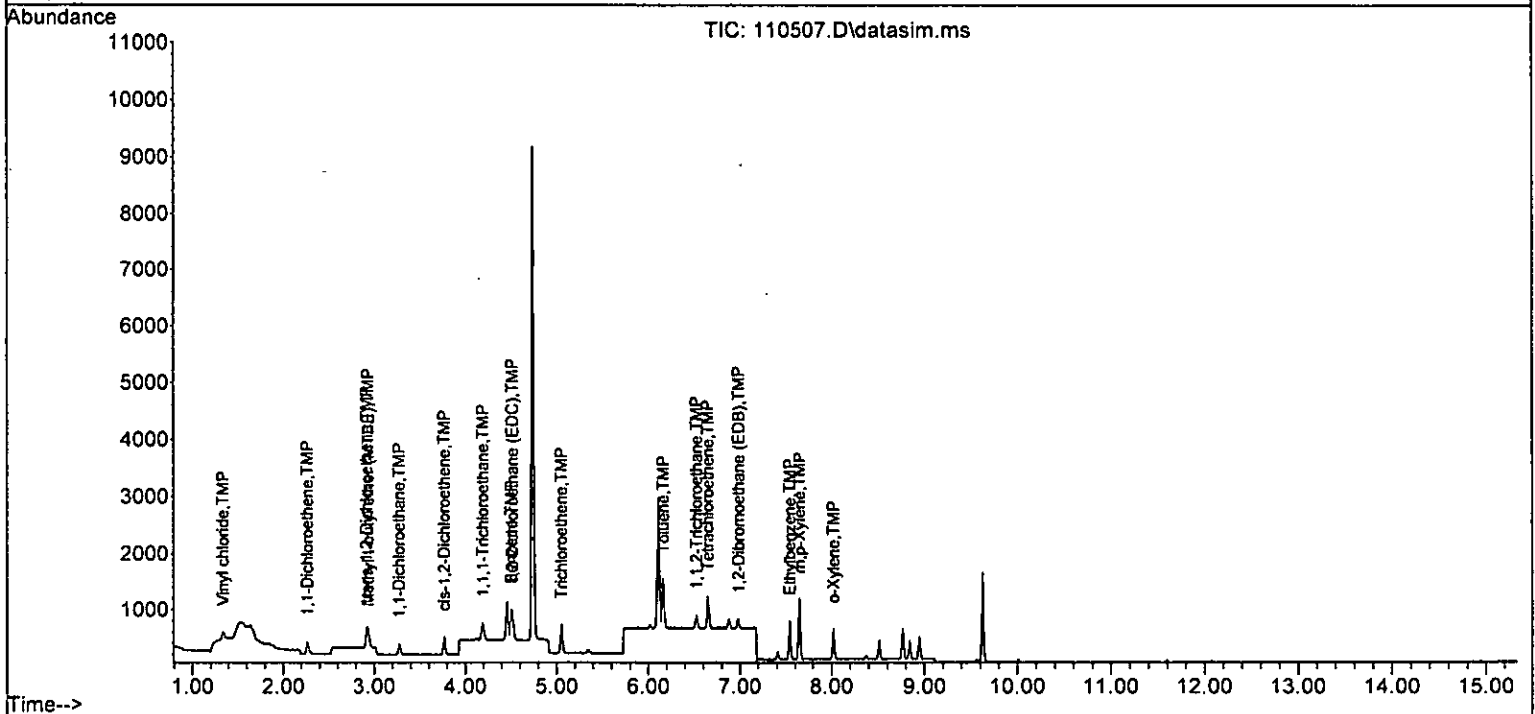
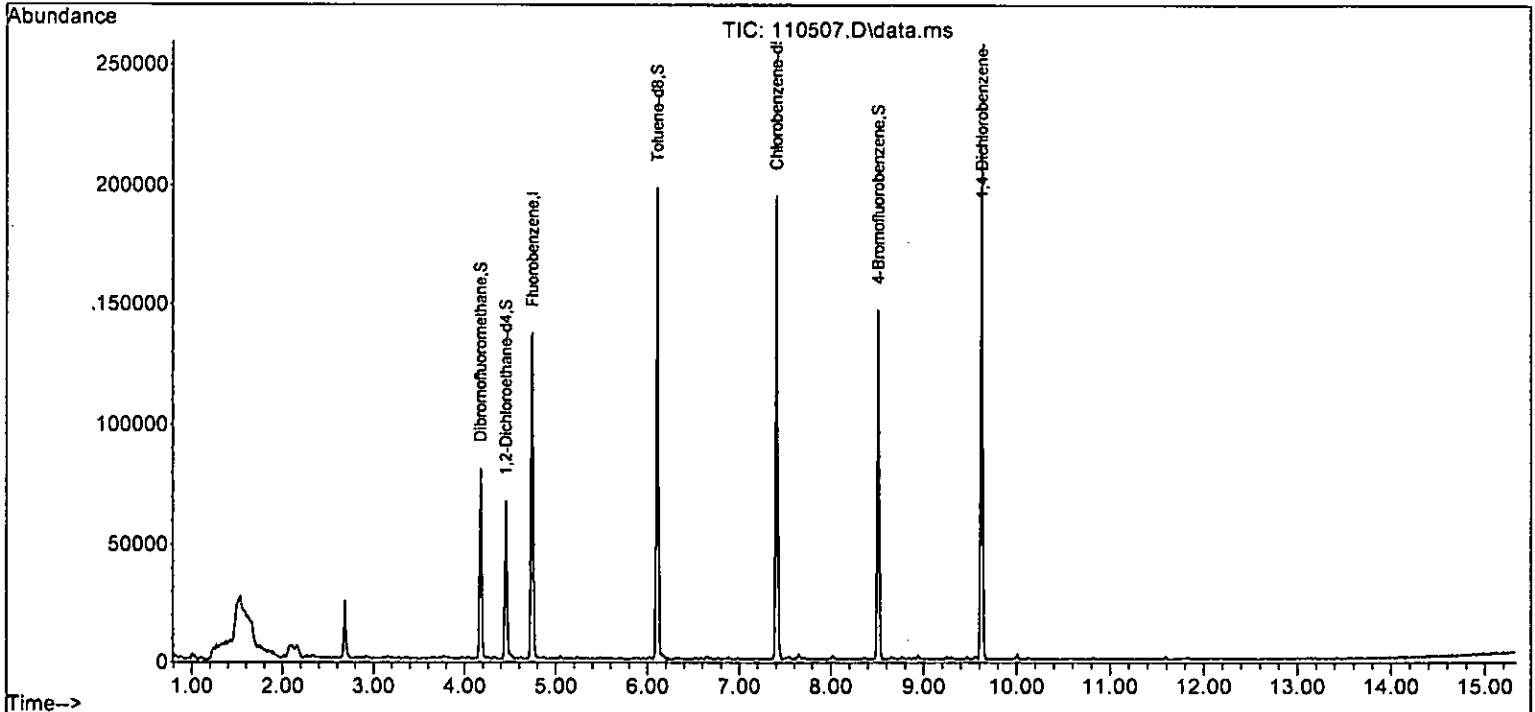
Quant Time: Nov 07 15:17:11 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.00		0	N.D.		
38) cis-1,3-Dichloropropene	0.00		0	N.D.	d	
40] Toluene	6.16	92	465	0.046	ppb	100
41) trans-1,3-Dichloropropene	0.00		0	N.D.	d	
42] 1,1,2-Trichloroethane	6.53	83	149	0.048	ppb	98
43) 2-Hexanone	0.00		0	N.D.	d	
44) 1,3-Dichloropropane	0.00		0	N.D.	d	
45] Tetrachloroethene	6.65	164	218	0.039	ppb	95
46) Dibromochloromethane	0.00		0	N.D.	d	
47] 1,2-Dibromoethane (EDB)	6.98	107	163	0.049	ppb	97
48) Chlorobenzene	0.00		0	N.D.	d	
49] Ethylbenzene	7.54	91	681	0.047	ppb	93
50) 1,1,1,2-Tetrachloroethane	0.00		0	N.D.	d	
51] m,p-Xylene	7.65	106	536	0.095	ppb	92
52] o-Xylene	8.02	106	249	0.046	ppb	86
53) Styrene	0.00		0	N.D.	d	
54) Isopropylbenzene	0.00		0	N.D.	d	
55) Bromoform	0.00		0	N.D.	d	
58) n-Propylbenzene	0.00		0	N.D.	d	
59) Bromobenzene	0.00		0	N.D.	d	
60) 1,3,5-Trimethylbenzene	0.00		0	N.D.	d	
61) 1,1,2,2-Tetrachloroethane	0.00		0	N.D.	d	
62) 1,2,3-Trichloropropane	0.00		0	N.D.	d	
63) 2-Chlorotoluene	0.00		0	N.D.	d	
64) 4-Chlorotoluene	0.00		0	N.D.	d	
65) tert-Butylbenzene	0.00		0	N.D.	d	
66) 1,2,4-Trimethylbenzene	0.00		0	N.D.	d	
67) sec-Butylbenzene	0.00		0	N.D.	d	
68) p-Isopropyltoluene	0.00		0	N.D.	d	
69) 1,3-Dichlorobenzene	0.00		0	N.D.	d	
70) 1,4-Dichlorobenzene	0.00		0	N.D.	d	
71) 1,2-Dichlorobenzene	0.00		0	N.D.	d	
72) 1,2-Dibromo-3-chloropr...	0.00		0	N.D.		
73) 1,2,4-Trichlorobenzene	0.00		0	N.D.	d	
74) Hexachlorobutadiene	0.00		0	N.D.	d	
75) Naphthalene	0.00		0	N.D.	d	
76) 1,2,3-Trichlorobenzene	0.00		0	N.D.	d	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS13\11-05-22\
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 Operator : VM
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Quant Time: Nov 07 15:17:11 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
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 DataAcq Meth:VM080322.M



Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110507.D
 Acq On : 05 Nov 2022 11:57 am
 Operator : VM
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Quant Time: Nov 07 15:17:11 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 Qlast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I Fluorobenzene	10.000	10.000	0.0	100	0.00
2 TMP Ethanol	-1.000	0.000	0.0	0	0.00
3 S Dibromofluoromethane	10.000	9.462	5.4	100	0.00
4 TMP Dichlorodifluoromethane	-1.000	0.000	0.0	0	-1.12#
5 TMP Chloromethane	-1.000	0.000	0.0	0	-1.26#
6 TMP Vinyl chloride	0.040	0.038	5.0	83	0.00
7 TMP Bromomethane	-1.000	0.000	0.0	0	-1.58#
8 TMP Chloroethane	-1.000	0.000	0.0	0	-1.65#
9 TMP Trichlorofluoromethane	-1.000	0.000	0.0	0	-1.83#
10 TMP 2-Propanol	-1.000	0.000	0.0	0	-2.33#
11 TMP Acetone	-1.000	0.000	0.0	0	-2.33#
12 TMP 1,1-Dichloroethene	0.040	0.042	-5.0	88	-0.01
13 TMP Hexane	-1.000	0.000	0.0	0	-3.16#
14 TMP Methylene chloride	-1.000	0.000	0.0	0	-2.68#
15 TMP t-Butyl alcohol (TBA)	-1.000	0.000	0.0	0	-2.82#
16 TMP Methyl t-butyl ether (MTBE)	0.040	0.040	0.0	97	0.00
17 TMP trans-1,2-Dichloroethene	0.040	0.048	-20.0	100	-0.01
18 TMP Diisopropyl ether (DIPE)	-1.000	0.000	0.0	0	-3.35#
19 TMP 1,1-Dichloroethane	0.040	0.043	-7.5	100	0.00
20 TMP Ethyl t-butyl ether (ETBE)	-1.000	0.000	0.0	0	-3.66#
21 TMP 2,2-Dichloropropane	-1.000	0.000	0.0	0	-3.77#
22 TMP cis-1,2-Dichloroethene	0.040	0.044	-10.0	100	0.00
23 TMP Chloroform	-1.000	0.000	0.0	0	-4.04#
24 TMP 2-Butanone (MEK)	-1.000	0.000	0.0	0	-3.79#
25 TMP t-Amyl methyl ether (TAME)	-1.000	0.000	0.0	0	-4.61#
26 TMP 1,2-Dichloroethane (EDC)	0.040	0.051	-27.5#	107	-0.01
27 TMP 1,1,1-Trichloroethane	0.040	0.043	-7.5	100	0.00
28 TMP 1,1-Dichloropropene	-1.000	0.000	0.0	0	-4.33#
29 TMP Carbon tetrachloride	-1.000	0.000	0.0	0	-4.33#
30 S 1,2-Dichloroethane-d4	10.000	10.387	-3.9	100	0.00
31 TMP Benzene	0.040	0.051	-27.5#	100	0.00
32 TMP Trichloroethene	0.040	0.048	-20.0	102	0.00
33 TMP 1,2-Dichloropropane	-1.000	0.000	0.0	0	-5.24#
34 TMP Bromodichloromethane	-1.000	0.000	0.0	0	-5.48#
35 S Toluene-d8	10.000	9.938	0.6	100	0.00
36 TMP Dibromomethane	-1.000	0.000	0.0	0	-5.35#
37 TMP 4-Methyl-2-pentanone	-1.000	0.000	0.0	0	-6.03#
38 TMP cis-1,3-Dichloropropene	-1.000	0.000	0.0	0	-5.88#
39 I Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40 TMP Toluene	0.040	0.046	-15.0	100	0.00
41 TMP trans-1,3-Dichloropropene	-1.000	0.000	0.0	0	-6.36#
42 TMP 1,1,2-Trichloroethane	0.040	0.048	-20.0	100	0.00
43 TMP 2-Hexanone	-1.000	0.000	0.0	0	-6.76#

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110507.D
 Acq On : 05 Nov 2022 11:57 am
 Operator : VM
 Sample : 0.04 ppb 8260 ICAL 67-177G
 Misc : soil/water
 ALS Vial : 3 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:11 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	-1.000	0.000	0.0	0	-6.68#
45 TMP Tetrachloroethene	0.040	0.039	2.5	100	0.00
46 TMP Dibromochloromethane	-1.000	0.000	0.0	0	-6.88#
47 TMP 1,2-Dibromoethane (EDB)	0.040	0.049	-22.5#	100	0.00
48 TMP Chlorobenzene	-1.000	0.000	0.0	0	-7.43#
49 TMP Ethylbenzene	0.040	0.047	-17.5	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	-1.000	0.000	0.0	0	-7.51#
51 TMP m,p-Xylene	0.080	0.095	-18.8	100	0.00
52 TMP o-Xylene	0.040	0.046	-15.0	100	0.00
53 TMP Styrene	-1.000	0.000	0.0	0	-8.03#
54 TMP Isopropylbenzene	-1.000	0.000	0.0	0	-8.37#
55 TMP Bromoform	-1.000	0.000	0.0	0	-8.20#
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	10.000	10.629	-6.3	100	0.00
58 TMP n-Propylbenzene	-1.000	0.000	0.0	0	-8.77#
59 TMP Bromobenzene	-1.000	0.000	0.0	0	-8.65#
60 TMP 1,3,5-Trimethylbenzene	-1.000	0.000	0.0	0	-8.94#
61 TMP 1,1,2,2-Tetrachloroethane	-1.000	0.000	0.0	0	-8.65#
62 TMP 1,2,3-Trichloropropane	-1.000	0.000	0.0	0	-8.70#
63 TMP 2-Chlorotoluene	-1.000	0.000	0.0	0	-8.84#
64 TMP 4-Chlorotoluene	-1.000	0.000	0.0	0	-8.95#
65 TMP tert-Butylbenzene	-1.000	0.000	0.0	0	-9.25#
66 TMP 1,2,4-Trimethylbenzene	-1.000	0.000	0.0	0	-9.30#
67 TMP sec-Butylbenzene	-1.000	0.000	0.0	0	-9.46#
68 TMP p-Isopropyltoluene	-1.000	0.000	0.0	0	-9.61#
69 TMP 1,3-Dichlorobenzene	-1.000	0.000	0.0	0	-9.56#
70 TMP 1,4-Dichlorobenzene	-1.000	0.000	0.0	0	-9.64#
71 TMP 1,2-Dichlorobenzene	-1.000	0.000	0.0	0	-10.01#
72 TMP 1,2-Dibromo-3-chloropropane	-1.000	0.000	0.0	0	-10.78#
73 TMP 1,2,4-Trichlorobenzene	-1.000	0.000	0.0	0	-11.59#
74 TMP Hexachlorobutadiene	-1.000	0.000	0.0	0	-11.77#
75 TMP Naphthalene	-1.000	0.000	0.0	0	-11.84#
76 TMP 1,2,3-Trichlorobenzene	-1.000	0.000	0.0	0	-12.08#

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110507.D
 Acq On : 05 Nov 2022 11:57 am
 Operator : VM
 Sample : 0.04 ppb 8260 ICAL 67-177G
 Misc : soil/water
 ALS Vial : 3 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:11 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2 TMP	Ethanol	0.000	0.000#	0.0	0#	0.00
3 S	Dibromofluoromethane	0.321	0.303	5.6	100	0.00
4 TMP	Dichlorodifluoromethane	0.800	0.000#	100.0#	0#	-1.12#
5 TMP	Chloromethane	0.488	0.000#	100.0#	0#	-1.26#
6 TMP	Vinyl chloride	0.510	0.479	6.1	83	0.00
7 TMP	Bromomethane	0.432	0.000#	100.0#	0#	-1.58#
8 TMP	Chloroethane	0.229	0.000#	100.0#	0#	-1.65#
9 TMP	Trichlorofluoromethane	1.123	0.000#	100.0#	0#	-1.83#
10 TMP	2-Propanol	0.000	0.000	0.0	0#	-2.33#
11 TMP	Acetone	0.029	0.000#	100.0#	0#	-2.33#
12 TMP	1,1-Dichloroethene	0.285	0.298	-4.6	88	-0.01
13 TMP	Hexane	0.323	0.000#	100.0#	0#	-3.16#
14 TMP	Methylene chloride	0.289	0.000#	100.0#	0#	-2.68#
15 TMP	t-Butyl alcohol (TBA)	0.024	0.000#	100.0#	0#	-2.82#
16 TMP	Methyl t-butyl ether (MTBE)	0.666	0.669	-0.5	97	0.00
17 TMP	trans-1,2-Dichloroethene	0.318	0.385	-21.1#	100	-0.01
18 TMP	Diisopropyl ether (DIPE)	0.698	0.000#	100.0#	0#	-3.35#
19 TMP	1,1-Dichloroethane	0.463	0.494	-6.7	100	0.00
20 TMP	Ethyl t-butyl ether (ETBE)	0.258	0.000#	100.0#	0#	-3.66#
21 TMP	2,2-Dichloropropane	0.258	0.000#	100.0#	0#	-3.77#
22 TMP	cis-1,2-Dichloroethene	0.333	0.369	-10.8	100	0.00
23 TMP	Chloroform	0.539	0.000#	100.0#	0#	-4.04#
24 TMP	2-Butanone (MEK)	0.132	0.000#	100.0#	0#	-3.79#
25 TMP	t-Amyl methyl ether (TAME)	0.540	0.000#	100.0#	0#	-4.61#
26 TMP	1,2-Dichloroethane (EDC)	0.465	0.913	-96.3#	107	-0.01
27 TMP	1,1,1-Trichloroethane	0.482	0.515	-6.8	100	0.00
28 TMP	1,1-Dichloropropene	0.370	0.000#	100.0#	0#	-4.33#
29 TMP	Carbon tetrachloride	0.485	0.000#	100.0#	0#	-4.33#
30 S	1,2-Dichloroethane-d4	0.062	0.065	-4.8	100	0.00
31 TMP	Benzene	1.118	1.425	-27.5#	100	0.00
32 TMP	Trichloroethene	0.367	0.438	-19.3	102	0.00
33 TMP	1,2-Dichloropropane	0.241	0.000#	100.0#	0#	-5.24#
34 TMP	Bromodichloromethane	0.387	0.000#	100.0#	0#	-5.48#
35 S	Toluene-d8	0.954	0.948	0.6	100	0.00
36 TMP	Dibromomethane	0.219	0.000#	100.0#	0#	-5.35#
37 TMP	4-Methyl-2-pentanone	0.042	0.000#	100.0#	0#	-6.03#
38 TMP	cis-1,3-Dichloropropene	0.360	0.000#	100.0#	0#	-5.88#
39 I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40 TMP	Toluene	0.907	1.257	-38.6#	100	0.00
41 TMP	trans-1,3-Dichloropropene	0.366	0.000#	100.0#	0#	-6.36#
42 TMP	1,1,2-Trichloroethane	0.285	0.403	-41.4#	100	0.00
43 TMP	2-Hexanone	0.190	0.000#	100.0#	0#	-6.76#

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110507.D
 Acq On : 05 Nov 2022 11:57 am
 Operator : VM
 Sample : 0.04 ppb 8260 ICAL 67-177G
 Misc : soil/water
 ALS Vial : 3 Sample Multiplier: 1
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Quant Time: Nov 07 15:17:11 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.457	0.000#	100.0#	0#	-6.68#
45 TMP Tetrachloroethene	0.460	0.589	-28.0#	100	0.00
46 TMP Dibromochloromethane	0.451	0.000#	100.0#	0#	-6.88#
47 TMP 1,2-Dibromoethane (EDB)	0.360	0.441	-22.5#	100	0.00
48 TMP Chlorobenzene	0.993	0.000#	100.0#	0#	-7.43#
49 TMP Ethylbenzene	1.557	1.840	-18.2	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.387	0.000#	100.0#	0#	-7.51#
51 TMP m,p-Xylene	0.612	0.724	-18.3	100	0.00
52 TMP o-Xylene	0.591	0.673	-13.9	100	0.00
53 TMP Styrene	0.887	0.000#	100.0#	0#	-8.03#
54 TMP Isopropylbenzene	1.435	0.000#	100.0#	0#	-8.37#
55 TMP Bromoform	0.299	0.000#	100.0#	0#	-8.20#
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	0.689	0.732	-6.2	100	0.00
58 TMP n-Propylbenzene	2.700	0.000#	100.0#	0#	-8.77#
59 TMP Bromobenzene	0.837	0.000#	100.0#	0#	-8.65#
60 TMP 1,3,5-Trimethylbenzene	1.968	0.000#	100.0#	0#	-8.94#
61 TMP 1,1,2,2-Tetrachloroethane	0.626	0.000#	100.0#	0#	-8.65#
62 TMP 1,2,3-Trichloropropane	0.486	0.000#	100.0#	0#	-8.70#
63 TMP 2-Chlorotoluene	1.617	0.000#	100.0#	0#	-8.84#
64 TMP 4-Chlorotoluene	1.912	0.000#	100.0#	0#	-8.95#
65 TMP tert-Butylbenzene	1.952	0.000#	100.0#	0#	-9.25#
66 TMP 1,2,4-Trimethylbenzene	1.996	0.000#	100.0#	0#	-9.30#
67 TMP sec-Butylbenzene	2.624	0.000#	100.0#	0#	-9.46#
68 TMP p-Isopropyltoluene	2.387	0.000#	100.0#	0#	-9.61#
69 TMP 1,3-Dichlorobenzene	1.530	0.000#	100.0#	0#	-9.56#
70 TMP 1,4-Dichlorobenzene	1.564	0.000#	100.0#	0#	-9.64#
71 TMP 1,2-Dichlorobenzene	1.455	0.000#	100.0#	0#	-10.01#
72 TMP 1,2-Dibromo-3-chloropropane	0.108	0.000#	100.0#	0#	-10.78#
73 TMP 1,2,4-Trichlorobenzene	0.971	0.000#	100.0#	0#	-11.59#
74 TMP Hexachlorobutadiene	0.600	0.000#	100.0#	0#	-11.77#
75 TMP Naphthalene	1.833	0.000#	100.0#	0#	-11.84#
76 TMP 1,2,3-Trichlorobenzene	0.846	0.000#	100.0#	0#	-12.08#

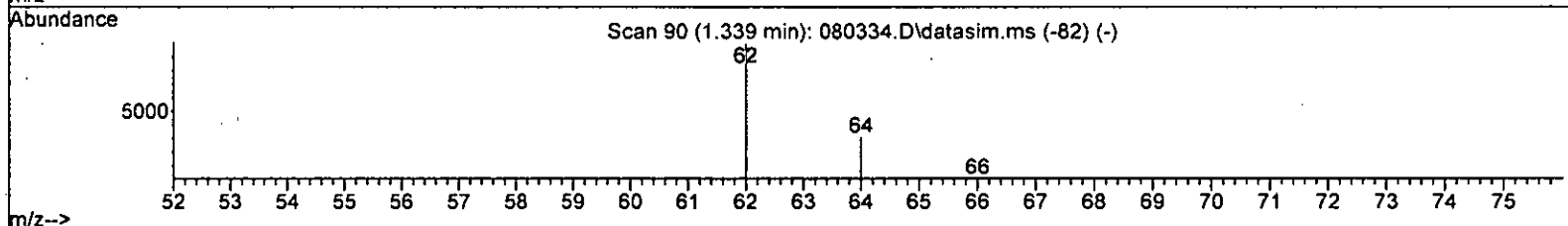
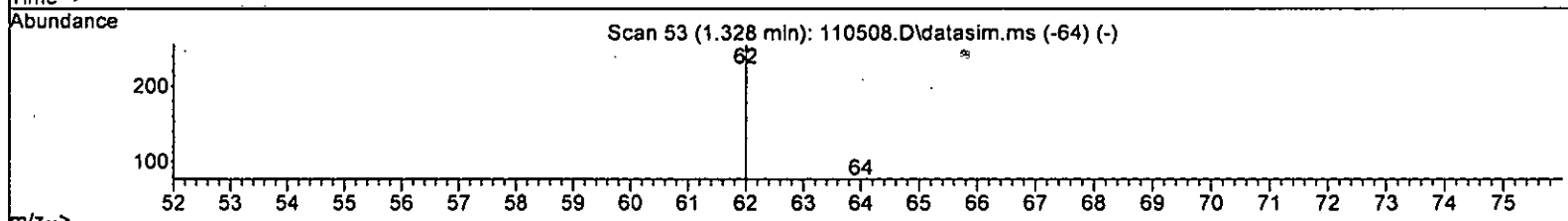
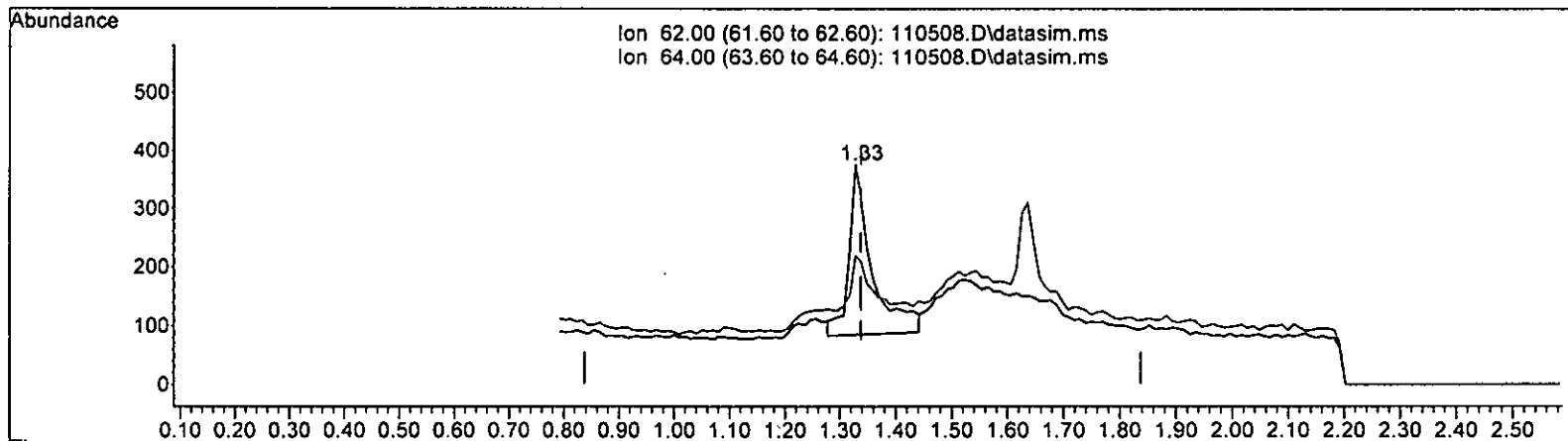
(#) = Out of Range

SPCC's out = 51 CCC's out = 0

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110508.D
 Acq On : 05 Nov 2022 12:20 pm
 Operator : VM
 Sample : 0.1 ppb 8260 ICAL 67-177H
 Misc : soil/water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:13 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



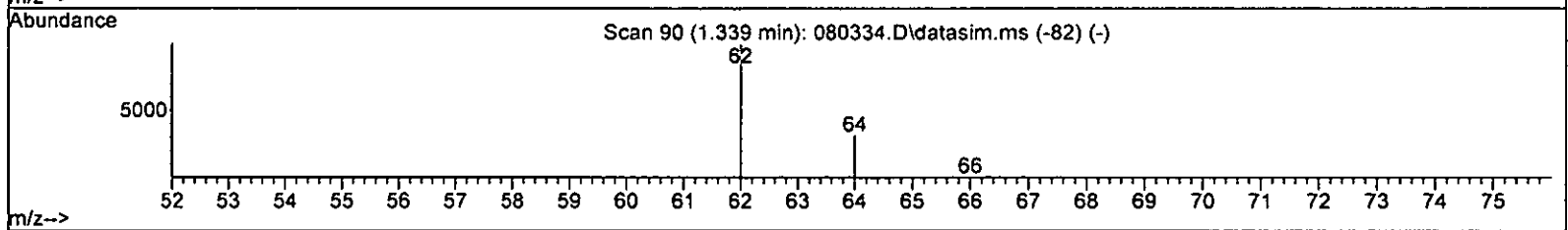
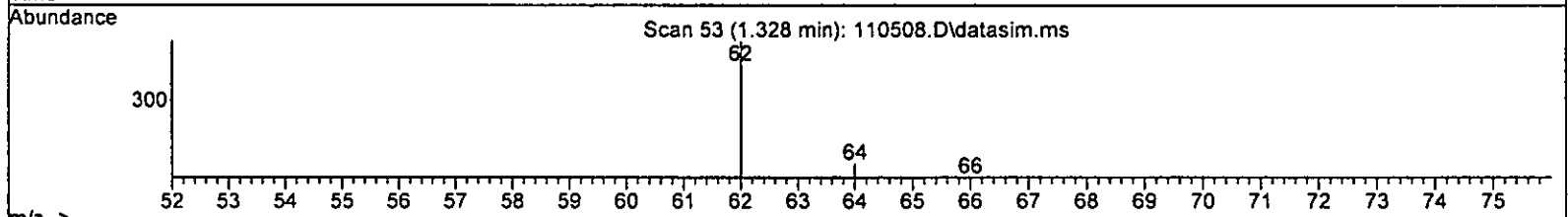
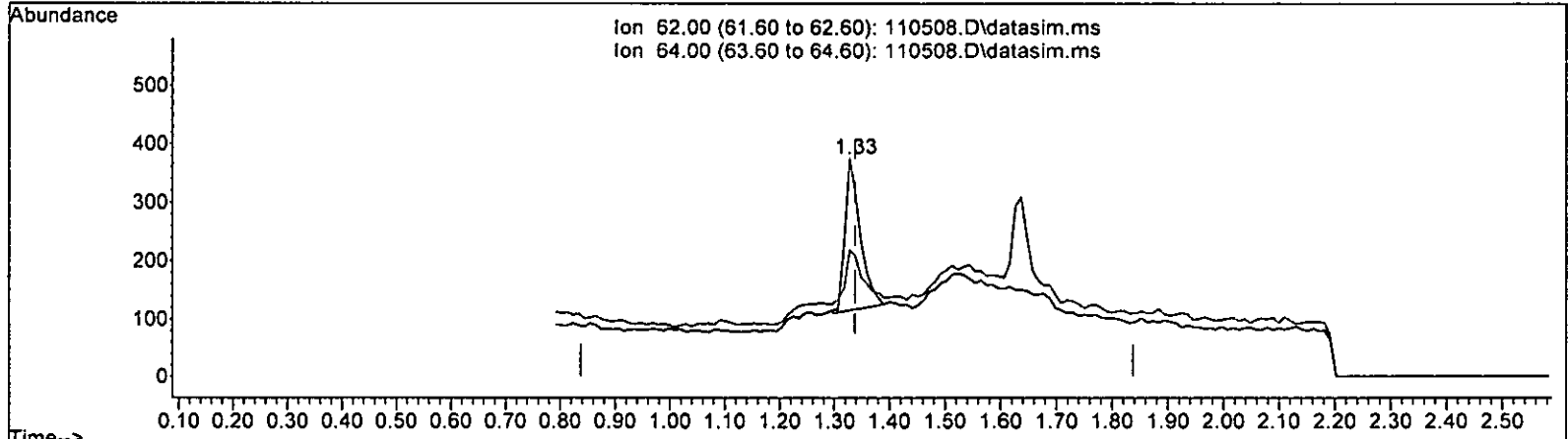
TIC: 110508.D\data.ms

(6) Vinyl chloride (TMP)		
1.328min (-0.010)	0.148 ppb	
response	825	
Ion	Exp%	Act%
62.00	100.00	100.00
64.00	34.40	34.08
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110508.D
 Acq On : 05 Nov 2022 12:20 pm
 Operator : VM
 Sample : 0.1 ppb 8260 ICAL 67-177H
 Misc : soil/water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:13 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110508.D\data.ms

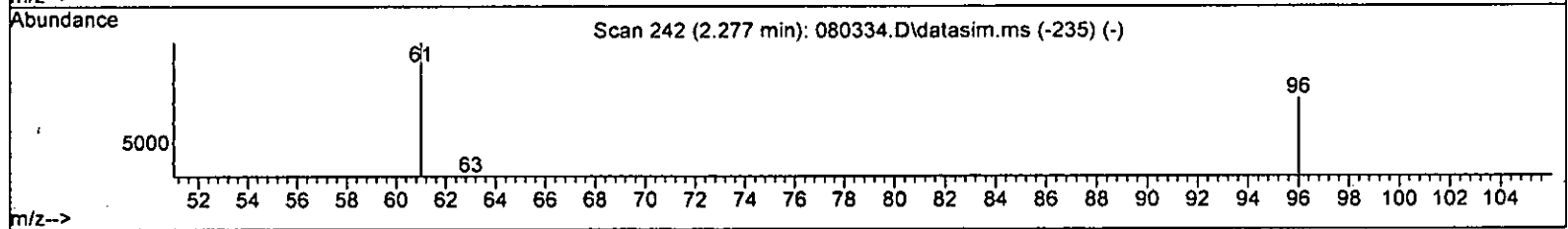
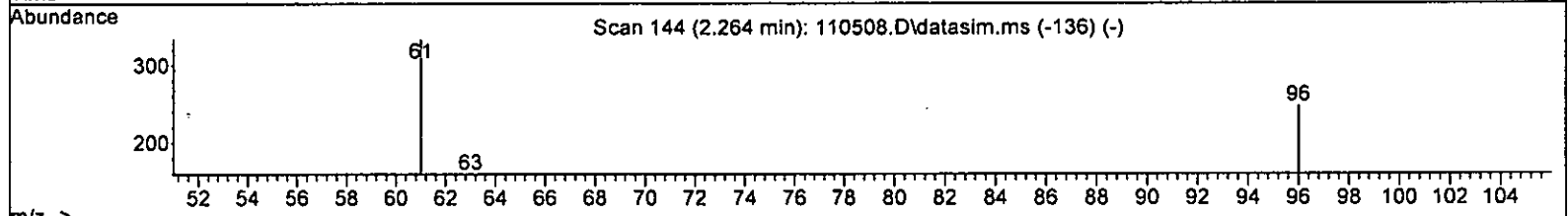
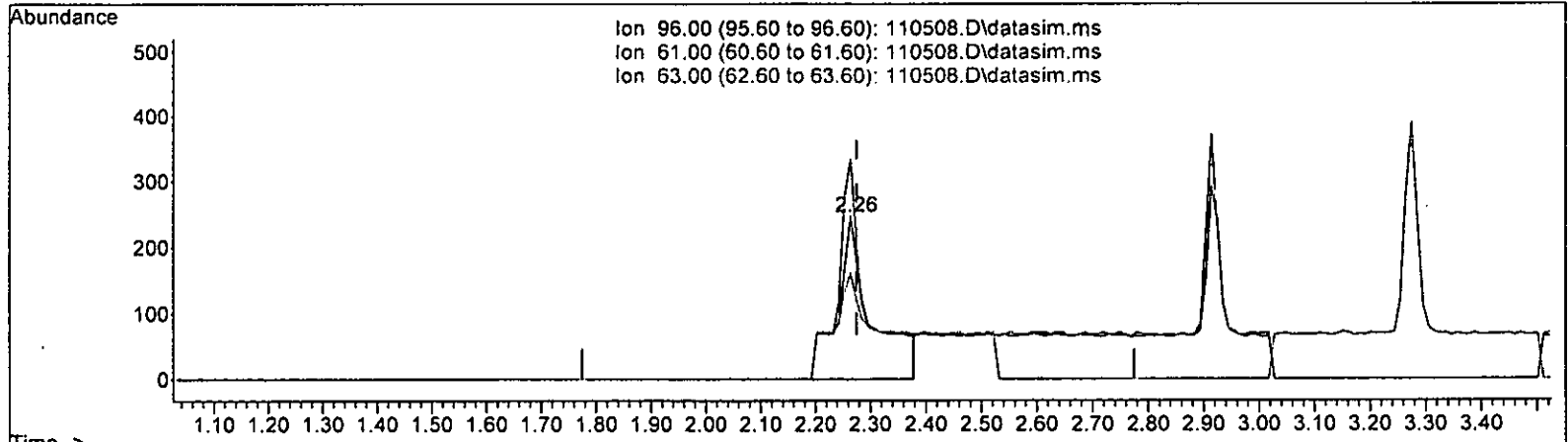
(6) Vinyl chloride (TMP)
 1.328min (-0.010) 0.089 ppb m
 response 497

Ion	Exp%	Act%
62.00	100.00	100.00
64.00	34.40	58.40
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110508.D
 Acq On : 05 Nov 2022 12:20 pm
 Operator : VM
 Sample : 0.1 ppb 8260 ICAL 67-177H
 Misc : soil/water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:13 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110508.D\data.ms

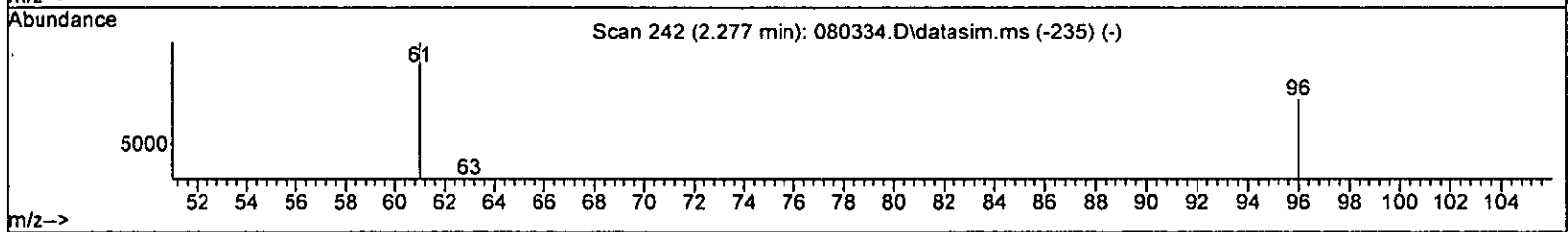
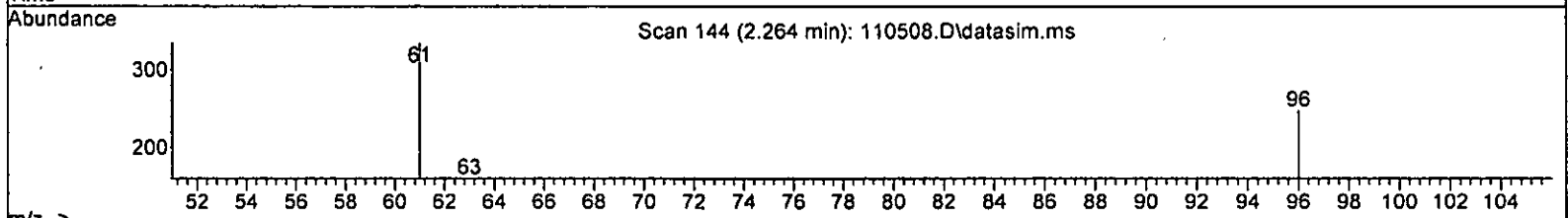
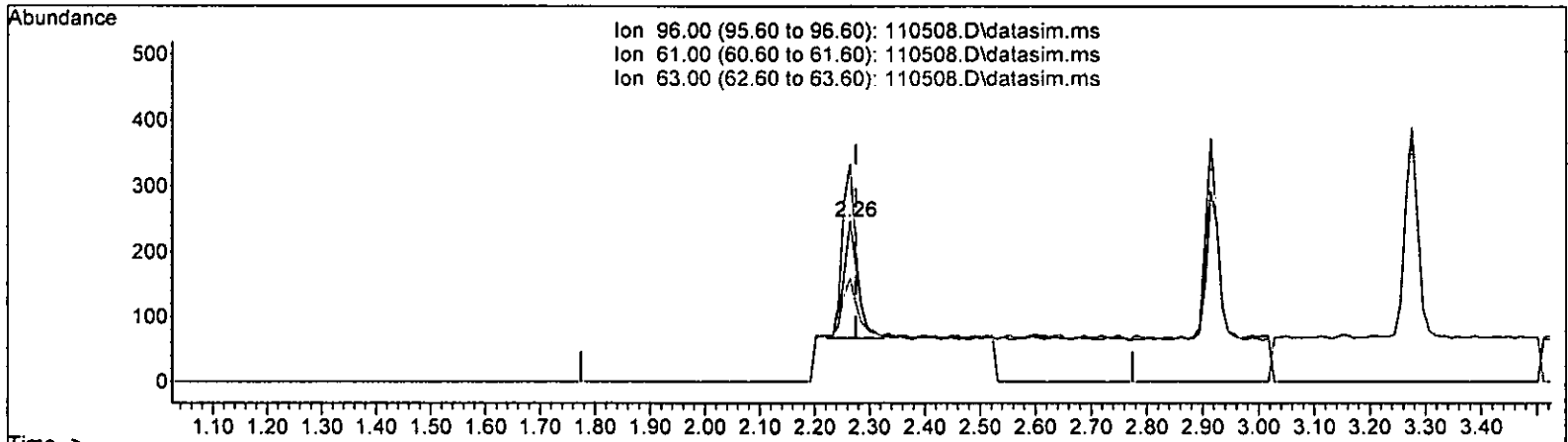
(12) 1,1-Dichloroethene (TMP)
 2.264min (-0.011) 0.342 ppb
 response 1066

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	120.90	135.22
63.00	43.90	64.78
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110508.D
 Acq On : 05 Nov 2022 12:20 pm
 Operator : VM
 Sample : 0.1 ppb 8260 ICAL 67-177H
 Misc : soil/water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:13 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110508.D\data.ms

(12) 1,1-Dichloroethene (TMP)

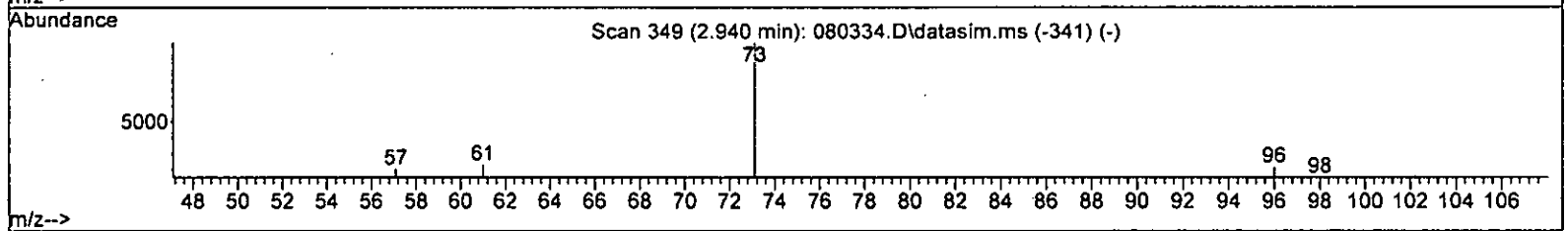
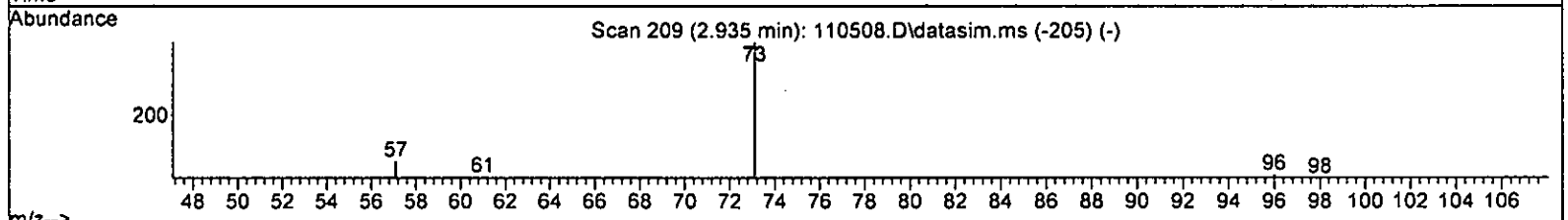
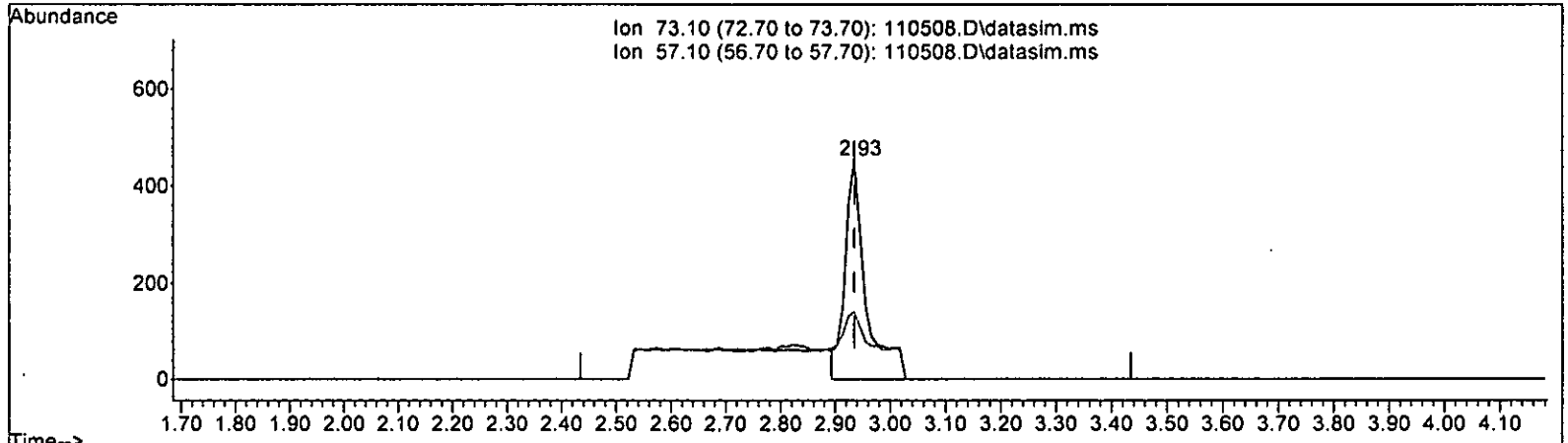
2.264min (-0.011) 0.100 ppb m

response	312	
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	120.90	135.22
63.00	43.90	64.78
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110508.D
 Acq On : 05 Nov 2022 12:20 pm
 Operator : VM
 Sample : 0.1 ppb 8260 ICAL 67-177H
 Misc : soil/water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:13 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110508.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

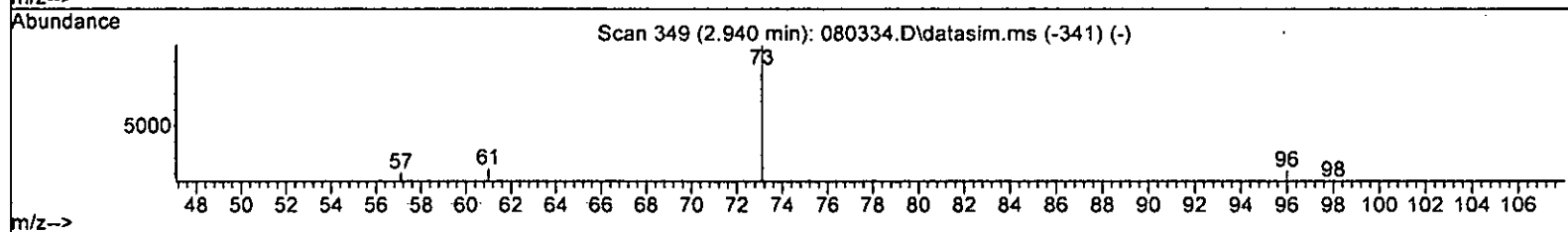
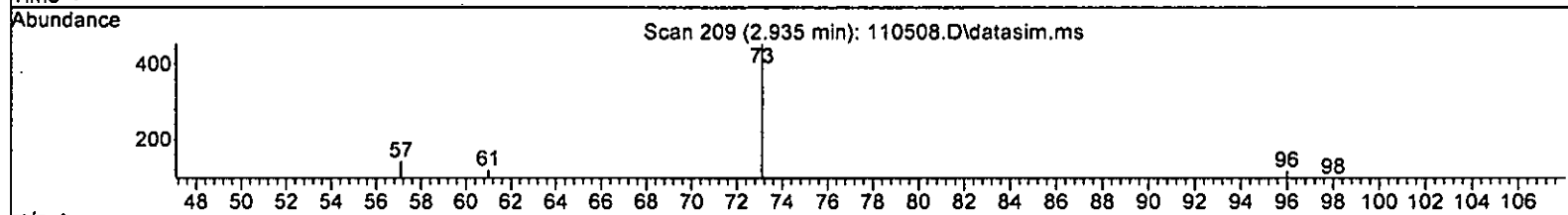
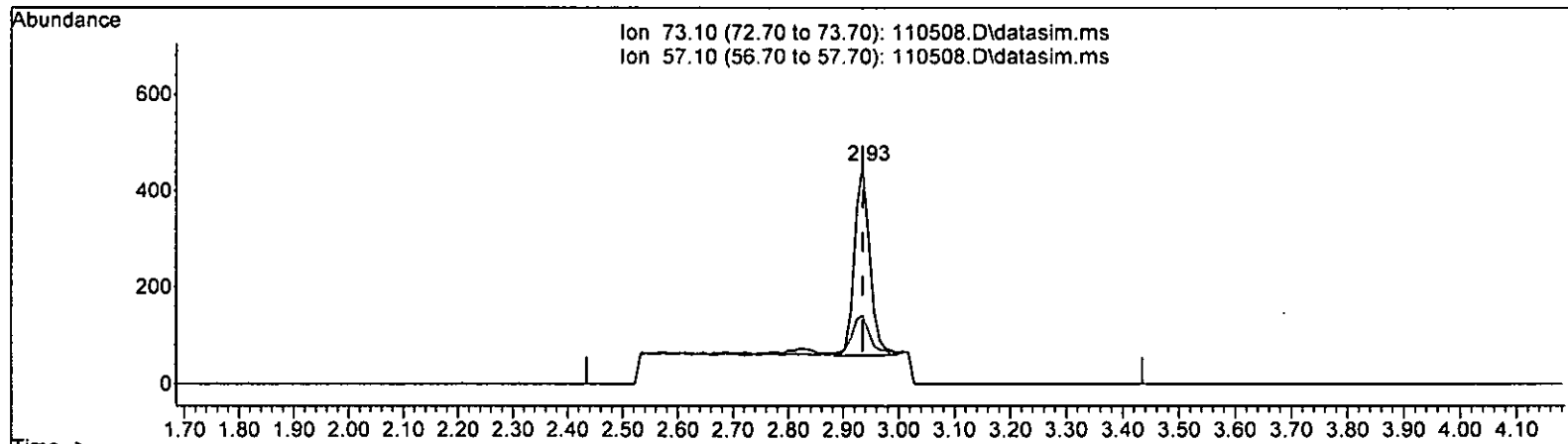
2.935min (-0.000) 0.163 ppb

response	1187	
Ion	Exp%	Act%
73.10	100.00	100.00
57.10	19.40	31.13
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110508.D
 Acq On : 05 Nov 2022 12:20 pm
 Operator : VM
 Sample : 0.1 ppb 8260 ICAL 67-177H
 Misc : soil/water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:13 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110508.D\data.ms

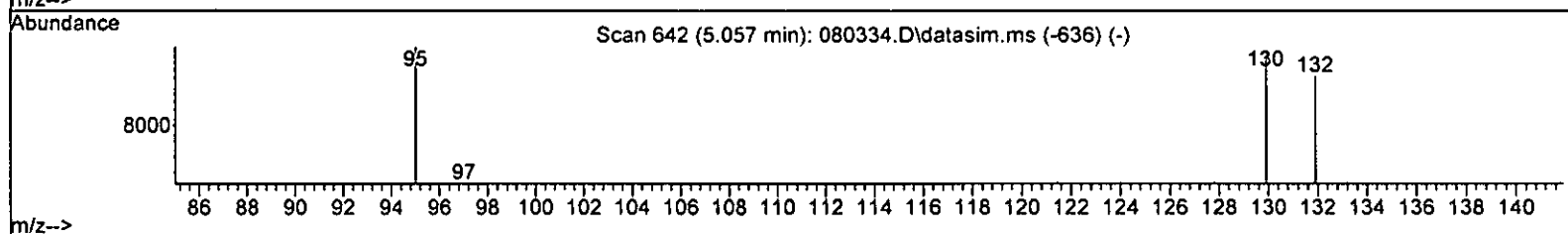
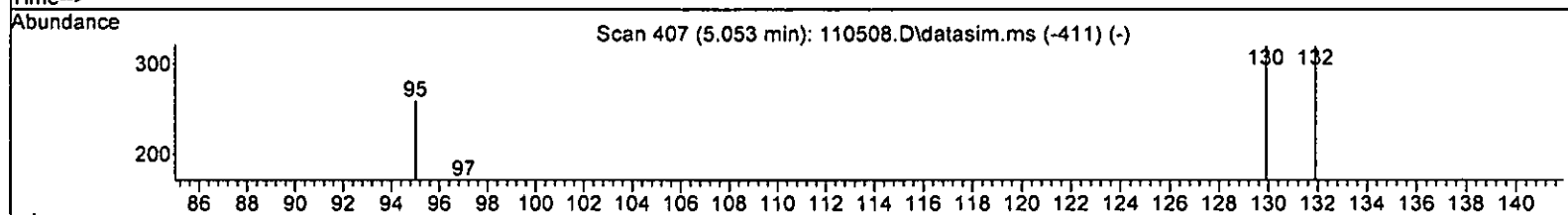
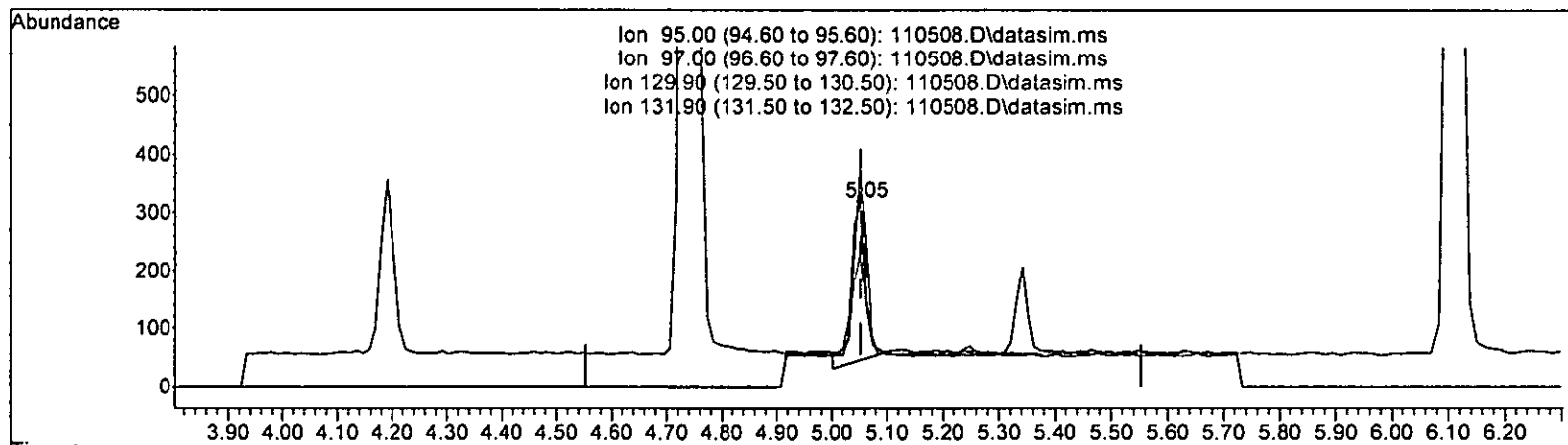
(16) Methyl t-butyl ether (MTBE) (TMP)
 2.935min (-0.000) 0.102 ppb m

response	741	
Ion	Exp%	Act%
73.10	100.00	100.00
57.10	19.40	31.13
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110508.D
 Acq On : 05 Nov 2022 12:20 pm
 Operator : VM
 Sample : 0.1 ppb 8260 ICAL 67-177H
 Misc : soil/water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:13 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



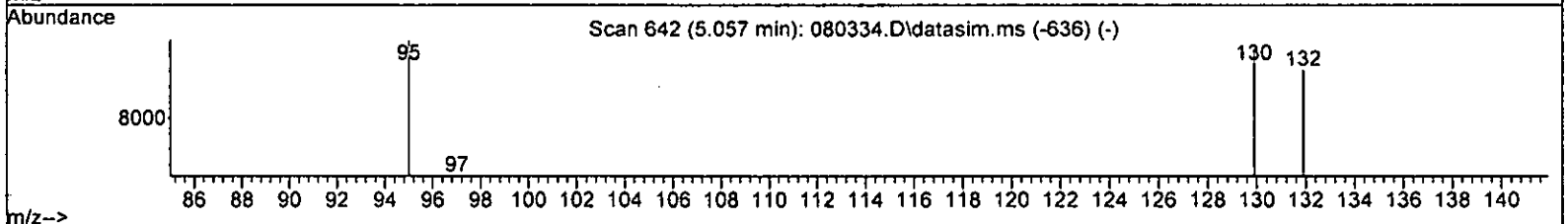
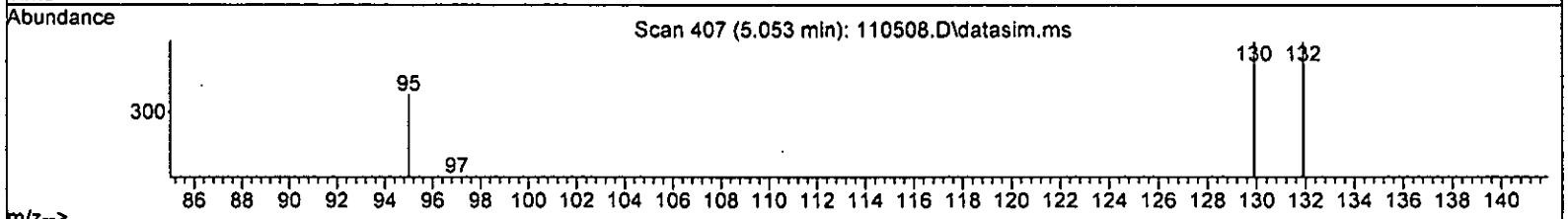
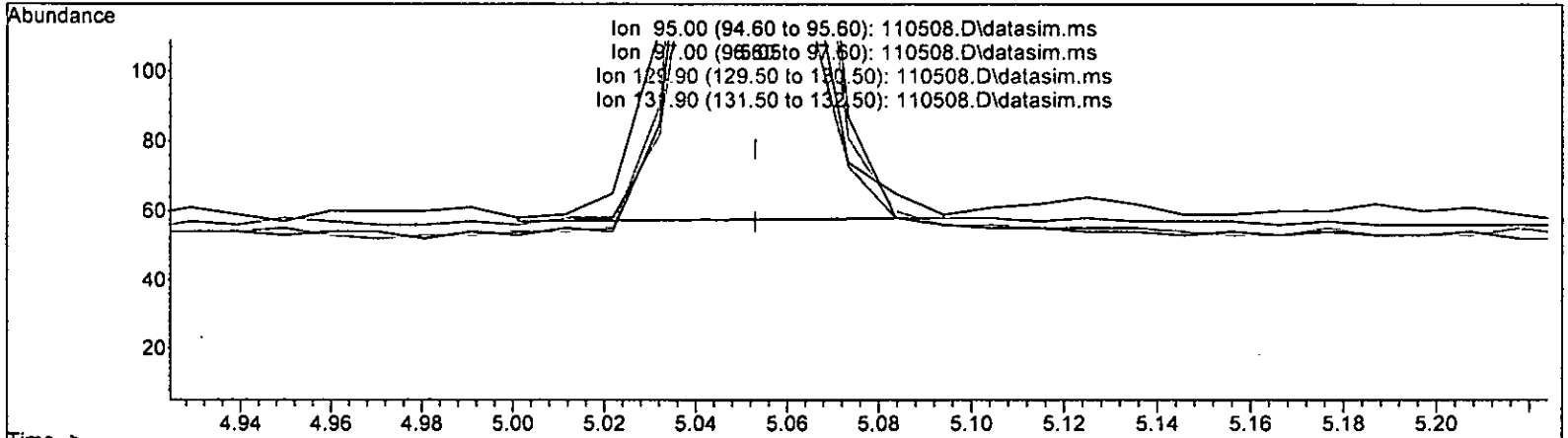
TIC: 110508.D\data.ms

(32) Trichloroethene (TME)		
5.053min (-0.000)	0.121 ppb	
response	484	
Ion	Exp%	Act%
95.00	100.00	100.00
97.00	64.60	66.54
129.90	103.40	123.85
131.90	95.80	123.85

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110508.D
 Acq On : 05 Nov 2022 12:20 pm
 Operator : VM
 Sample : 0.1 ppb 8260 ICAL 67-177H
 Misc : soil/water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:13 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110508.D\data.ms.

(32) Trichloroethene (TPE)

5.053min (-0.000) 0.102 ppb m

response 411

Ion	Exp%	Act%
95.00	100.00	100.00
97.00	64.60	72.01
129.90	103.40	118.24
131.90	95.80	117.92

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110508.D
 Acq On : 05 Nov 2022 12:20 pm
 Operator : VM
 Sample : 0.1 ppb 8260 ICAL 67-177H
 Misc : soil/water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:13 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	4.73	96	109470	10.000	ppb	-0.01	
39) Chlorobenzene-d5	7.40	117	90583	10.000	ppb	0.00	
56) 1,4-Dichlorobenzene-d4	9.62	152	50314	10.000	ppb	0.00	
System Monitoring Compounds							
3) Dibromofluoromethane	4.18	113	35688	10.166	ppb	0.00	
Spiked Amount	10.000	Range	50 - 150	Recovery	=	101.70%	
30) 1,2-Dichloroethane-d4	4.45	102	7083	10.411	ppb	0.00	
Spiked Amount	10.000	Range	84 - 120	Recovery	=	104.10%	
35) Toluene-d8	6.11	98	104488	10.008	ppb	0.00	
Spiked Amount	10.000	Range	73 - 128	Recovery	=	100.10%	
57) 4-Bromofluorobenzene	8.51	95	36575	10.550	ppb	0.00	
Spiked Amount	10.000	Range	57 - 146	Recovery	=	105.50%	
Target Compounds							
							Qvalue
2) Ethanol	2.34	45	221	No	Calib		
4) Dichlorodifluoromethane	0.00		0	N.D.	d		
5) Chloromethane	0.00		0	N.D.	d		
6] Vinyl chloride	1.33	62	497m	0.089	ppb		
7) Bromomethane	0.00		0	N.D.	d		
8) Chloroethane	0.00		0	N.D.	d		
9) Trichlorofluoromethane	0.00		0	N.D.	d		
10) 2-Propanol	0.00		0	N.D.	d		
11) Acetone	0.00		0	N.D.	d		
12] 1,1-Dichloroethene	2.26	96	312m	0.100	ppb		
13) Hexane	0.00		0	N.D.	d		
14) Methylene chloride	0.00		0	N.D.	d		
15) t-Butyl alcohol (TBA)	0.00		0	N.D.	d		
16] Methyl t-butyl ether (...)	2.93	73	741m	0.102	ppb		
17] trans-1,2-Dichloroethene	2.91	96	356	0.102	ppb		82
18) Diisopropyl ether (DIPE)	0.00		0	N.D.	d		
19] 1,1-Dichloroethane	3.27	63	521	0.103	ppb		97
20) Ethyl t-butyl ether (E...)	0.00		0	N.D.	d		
21) 2,2-Dichloropropane	0.00		0	N.D.	d		
22] cis-1,2-Dichloroethene	3.77	96	375	0.103	ppb		97
23) Chloroform	0.00		0	N.D.	d		
24) 2-Butanone (MEK)	0.00		0	N.D.	d		
25) t-Amyl methyl ether (T...)	0.00		0	N.D.	d		
26] 1,2-Dichloroethane (EDC)	4.52	62	601	0.096	ppb		93
27] 1,1,1-Trichloroethane	4.19	97	516	0.098	ppb		93
28) 1,1-Dichloropropene	0.00		0	N.D.	d		
29) Carbon tetrachloride	0.00		0	N.D.	d		
31] Benzene	4.50	78	1279	0.104	ppb		99
32] Trichloroethene	5.05	95	411m	0.102	ppb		
33) 1,2-Dichloropropane	0.00		0	N.D.	d		
34) Bromodichloromethane	0.00		0	N.D.	d		
36) Dibromomethane	0.00		0	N.D.	d		

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110508.D
 Acq On : 05 Nov 2022 12:20 pm
 Operator : VM
 Sample : 0.1 ppb 8260 ICAL 67-177H
 Misc : soil/water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

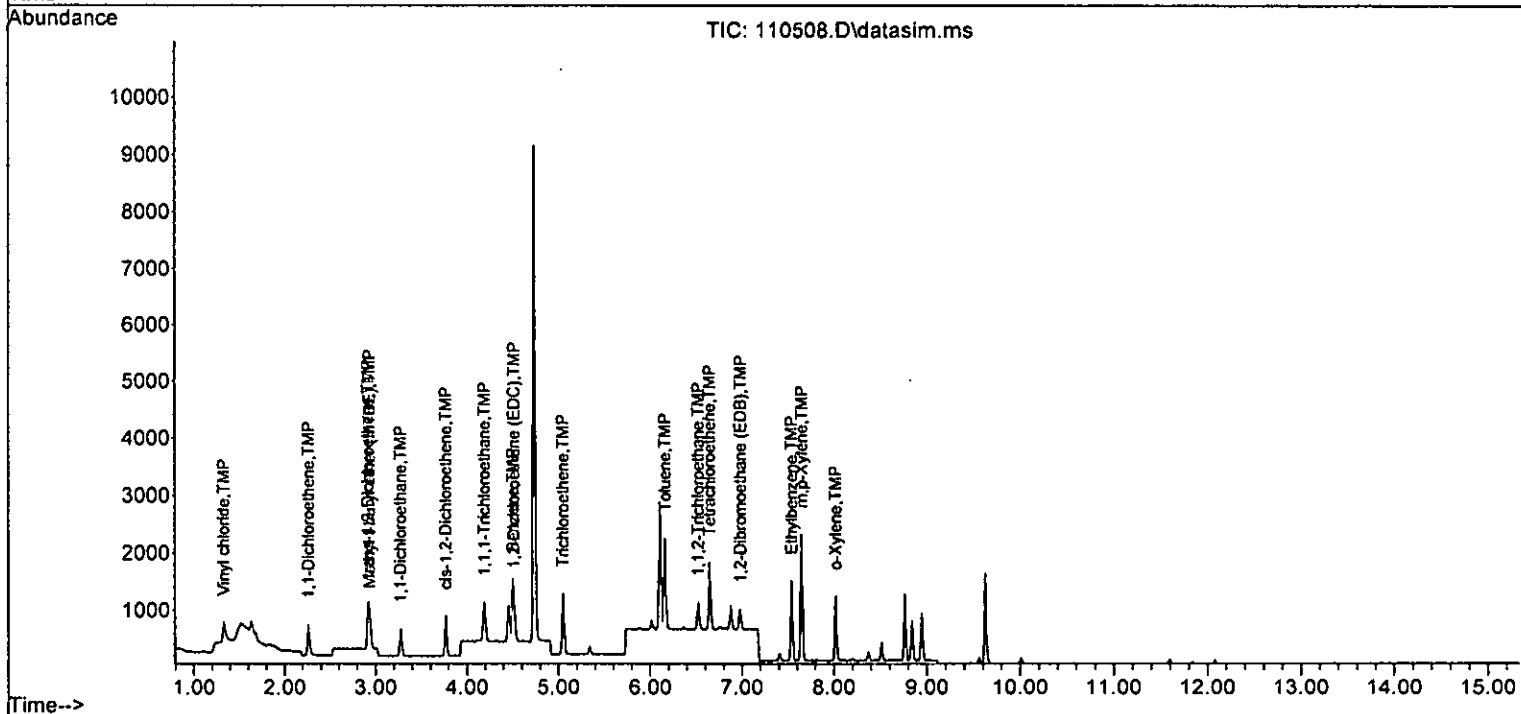
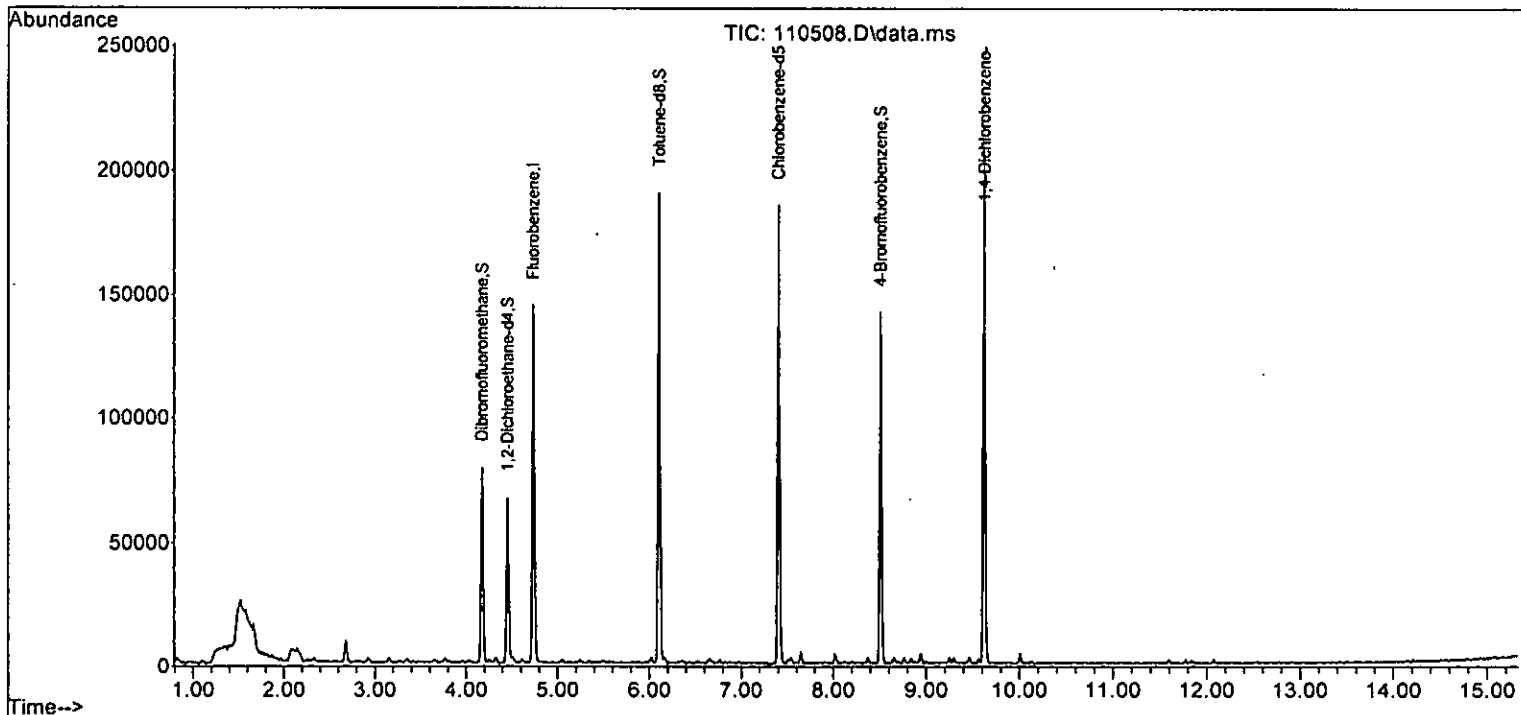
Quant Time: Nov 07 15:17:13 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.00		0	N.D.	d	
38) cis-1,3-Dichloropropene	0.00		0	N.D.	d	
40] Toluene	6.16	92	862	0.102	ppb	99
41) trans-1,3-Dichloropropene	0.00		0	N.D.	d	
42] 1,1,2-Trichloroethane	6.53	83	254	0.094	ppb	87
43) 2-Hexanone	0.00		0	N.D.	d	
44) 1,3-Dichloropropane	0.00		0	N.D.	d	
45] Tetrachloroethene	6.65	164	432	0.101	ppb	95
46) Dibromochloromethane	0.00		0	N.D.	d	
47] 1,2-Dibromoethane (EDB)	6.98	107	312	0.096	ppb	95
48) Chlorobenzene	0.00		0	N.D.	d	
49] Ethylbenzene	7.54	91	1419	0.101	ppb	94
50) 1,1,1,2-Tetrachloroethane	0.00		0	N.D.	d	
51] m,p-Xylene	7.65	106	1086	0.196	ppb	89
52] o-Xylene	8.02	106	541	0.101	ppb	85
53) Styrene	0.00		0	N.D.	d	
54) Isopropylbenzene	0.00		0	N.D.	d	
55) Bromoform	0.00		0	N.D.	d	
58) n-Propylbenzene	0.00		0	N.D.	d	
59) Bromobenzene	0.00		0	N.D.	d	
60) 1,3,5-Trimethylbenzene	0.00		0	N.D.	d	
61) 1,1,2,2-Tetrachloroethane	0.00		0	N.D.	d	
62) 1,2,3-Trichloropropane	0.00		0	N.D.	d	
63) 2-Chlorotoluene	0.00		0	N.D.	d	
64) 4-Chlorotoluene	0.00		0	N.D.	d	
65) tert-Butylbenzene	0.00		0	N.D.	d	
66) 1,2,4-Trimethylbenzene	0.00		0	N.D.	d	
67) sec-Butylbenzene	0.00		0	N.D.	d	
68) p-Isopropyltoluene	0.00		0	N.D.	d	
69) 1,3-Dichlorobenzene	0.00		0	N.D.	d	
70) 1,4-Dichlorobenzene	0.00		0	N.D.	d	
71) 1,2-Dichlorobenzene	0.00		0	N.D.	d	
72) 1,2-Dibromo-3-chloropr...	0.00		0	N.D.	d	
73) 1,2,4-Trichlorobenzene	0.00		0	N.D.	d	
74) Hexachlorobutadiene	0.00		0	N.D.	d	
75) Naphthalene	0.00		0	N.D.	d	
76) 1,2,3-Trichlorobenzene	0.00		0	N.D.	d	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110508.D
 Acq On : 05 Nov 2022 12:20 pm
 Operator : VM
 Sample : 0.1 ppb 8260 ICAL 67-177H
 Misc : soil/water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:13 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110508.D
 Acq On : 05 Nov 2022 12:20 pm
 Operator : VM
 Sample : 0.1 ppb 8260 ICAL 67-177H
 Misc : soil/water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:13 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I Fluorobenzene	10.000	10.000	0.0	100	-0.01
2 TMP Ethanol	-1.000	0.000	0.0	0	0.01
3 S Dibromofluoromethane	10.000	10.166	-1.7	100	0.00
4 TMP Dichlorodifluoromethane	-1.000	0.000	0.0	0	-1.12#
5 TMP Chloromethane	-1.000	0.000	0.0	0	-1.26#
6 TMP Vinyl chloride	0.100	0.089	11.0	96	-0.01
7 TMP Bromomethane	-1.000	0.000	0.0	0	-1.58#
8 TMP Chloroethane	-1.000	0.000	0.0	0	-1.65#
9 TMP Trichlorofluoromethane	-1.000	0.000	0.0	0	-1.83#
10 TMP 2-Propanol	-1.000	0.000	0.0	0	-2.33#
11 TMP Acetone	-1.000	0.000	0.0	0	-2.33#
12 TMP 1,1-Dichloroethene	0.100	0.100	0.0	100	-0.01
13 TMP Hexane	-1.000	0.000	0.0	0	-3.16#
14 TMP Methylene chloride	-1.000	0.000	0.0	0	-2.68#
15 TMP t-Butyl alcohol (TBA)	-1.000	0.000	0.0	0	-2.82#
16 TMP Methyl t-butyl ether (MTBE)	0.100	0.102	-2.0	98	0.00
17 TMP trans-1,2-Dichloroethene	0.100	0.102	-2.0	100	-0.01
18 TMP Diisopropyl ether (DIPE)	-1.000	0.000	0.0	0	-3.35#
19 TMP 1,1-Dichloroethane	0.100	0.103	-3.0	100	0.00
20 TMP Ethyl t-butyl ether (ETBE)	-1.000	0.000	0.0	0	-3.66#
21 TMP 2,2-Dichloropropane	-1.000	0.000	0.0	0	-3.77#
22 TMP cis-1,2-Dichloroethene	0.100	0.103	-3.0	100	0.00
23 TMP Chloroform	-1.000	0.000	0.0	0	-4.04#
24 TMP 2-Butanone (MEK)	-1.000	0.000	0.0	0	-3.79#
25 TMP t-Amyl methyl ether (TAME)	-1.000	0.000	0.0	0	-4.61#
26 TMP 1,2-Dichloroethane (EDC)	0.100	0.096	4.0	108	-0.01
27 TMP 1,1,1-Trichloroethane	0.100	0.098	2.0	100	0.00
28 TMP 1,1-Dichloropropene	-1.000	0.000	0.0	0	-4.33#
29 TMP Carbon tetrachloride	-1.000	0.000	0.0	0	-4.33#
30 S 1,2-Dichloroethane-d4	10.000	10.411	-4.1	100	0.00
31 TMP Benzene	0.100	0.104	-4.0	100	0.00
32 TMP Trichloroethene	0.100	0.102	-2.0	96	0.00
33 TMP 1,2-Dichloropropane	-1.000	0.000	0.0	0	-5.24#
34 TMP Bromodichloromethane	-1.000	0.000	0.0	0	-5.48#
35 S Toluene-d8	10.000	10.008	-0.1	100	0.00
36 TMP Dibromomethane	-1.000	0.000	0.0	0	-5.35#
37 TMP 4-Methyl-2-pentanone	-1.000	0.000	0.0	0	-6.03#
38 TMP cis-1,3-Dichloropropene	-1.000	0.000	0.0	0	-5.88#
39 I Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40 TMP Toluene	0.100	0.102	-2.0	100	0.00
41 TMP trans-1,3-Dichloropropene	-1.000	0.000	0.0	0	-6.36#
42 TMP 1,1,2-Trichloroethane	0.100	0.094	6.0	100	0.00
43 TMP 2-Hexanone	-1.000	0.000	0.0	0	-6.76#

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110508.D
 Acq On : 05 Nov 2022 12:20 pm
 Operator : VM
 Sample : 0.1 ppb 8260 ICAL 67-177H
 Misc : soil/water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:13 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	-1.000	0.000	0.0	0	-6.68#
45 TMP Tetrachloroethene	0.100	0.101	-1.0	100	0.00
46 TMP Dibromochloromethane	-1.000	0.000	0.0	0	-6.88#
47 TMP 1,2-Dibromoethane (EDB)	0.100	0.096	4.0	100	0.00
48 TMP Chlorobenzene	-1.000	0.000	0.0	0	-7.43#
49 TMP Ethylbenzene	0.100	0.101	-1.0	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	-1.000	0.000	0.0	0	-7.51#
51 TMP m,p-Xylene	0.200	0.196	2.0	100	0.00
52 TMP o-Xylene	0.100	0.101	-1.0	100	0.00
53 TMP Styrene	-1.000	0.000	0.0	0	-8.03#
54 TMP Isopropylbenzene	-1.000	0.000	0.0	0	-8.37#
55 TMP Bromoform	-1.000	0.000	0.0	0	-8.20#
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	10.000	10.550	-5.5	100	0.00
58 TMP n-Propylbenzene	-1.000	0.000	0.0	0	-8.77#
59 TMP Bromobenzene	-1.000	0.000	0.0	0	-8.65#
60 TMP 1,3,5-Trimethylbenzene	-1.000	0.000	0.0	0	-8.94#
61 TMP 1,1,2,2-Tetrachloroethane	-1.000	0.000	0.0	0	-8.65#
62 TMP 1,2,3-Trichloropropane	-1.000	0.000	0.0	0	-8.70#
63 TMP 2-Chlorotoluene	-1.000	0.000	0.0	0	-8.84#
64 TMP 4-Chlorotoluene	-1.000	0.000	0.0	0	-8.95#
65 TMP tert-Butylbenzene	-1.000	0.000	0.0	0	-9.25#
66 TMP 1,2,4-Trimethylbenzene	-1.000	0.000	0.0	0	-9.30#
67 TMP sec-Butylbenzene	-1.000	0.000	0.0	0	-9.46#
68 TMP p-Isopropyltoluene	-1.000	0.000	0.0	0	-9.61#
69 TMP 1,3-Dichlorobenzene	-1.000	0.000	0.0	0	-9.56#
70 TMP 1,4-Dichlorobenzene	-1.000	0.000	0.0	0	-9.64#
71 TMP 1,2-Dichlorobenzene	-1.000	0.000	0.0	0	-10.01#
72 TMP 1,2-Dibromo-3-chloropropane	-1.000	0.000	0.0	0	-10.78#
73 TMP 1,2,4-Trichlorobenzene	-1.000	0.000	0.0	0	-11.59#
74 TMP Hexachlorobutadiene	-1.000	0.000	0.0	0	-11.77#
75 TMP Naphthalene	-1.000	0.000	0.0	0	-11.84#
76 TMP 1,2,3-Trichlorobenzene	-1.000	0.000	0.0	0	-12.08#

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110508.D
 Acq On : 05 Nov 2022 12:20 pm
 Operator : VM
 Sample : 0.1 ppb 8260 ICAL 67-177H
 Misc : soil/water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:13 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I Fluorobenzene	1.000	1.000	0.0	100	-0.01
2 TMP Ethanol	0.000	0.000#	0.0	0#	0.01
3 S Dibromofluoromethane	0.321	0.326	-1.6	100	0.00
4 TMP Dichlorodifluoromethane	0.800	0.000#	100.0#	0#	-1.12#
5 TMP Chloromethane	0.488	0.000#	100.0#	0#	-1.26#
6 TMP Vinyl chloride	0.510	0.454	11.0	96	-0.01
7 TMP Bromomethane	0.432	0.000#	100.0#	0#	-1.58#
8 TMP Chloroethane	0.229	0.000#	100.0#	0#	-1.65#
9 TMP Trichlorofluoromethane	1.123	0.000#	100.0#	0#	-1.83#
10 TMP 2-Propanol	0.000	0.000	0.0	0#	-2.33#
11 TMP Acetone	0.029	0.000#	100.0#	0#	-2.33#
12 TMP 1,1-Dichloroethene	0.285	0.285	0.0	100	-0.01
13 TMP Hexane	0.323	0.000#	100.0#	0#	-3.16#
14 TMP Methylene chloride	0.289	0.000#	100.0#	0#	-2.68#
15 TMP t-Butyl alcohol (TBA)	0.024	0.000#	100.0#	0#	-2.82#
16 TMP Methyl t-butyl ether (MTBE)	0.666	0.677	-1.7	98	0.00
17 TMP trans-1,2-Dichloroethene	0.318	0.325	-2.2	100	-0.01
18 TMP Diisopropyl ether (DIPE)	0.698	0.000#	100.0#	0#	-3.35#
19 TMP 1,1-Dichloroethane	0.463	0.476	-2.8	100	0.00
20 TMP Ethyl t-butyl ether (ETBE)	0.258	0.000#	100.0#	0#	-3.66#
21 TMP 2,2-Dichloropropane	0.258	0.000#	100.0#	0#	-3.77#
22 TMP cis-1,2-Dichloroethene	0.333	0.343	-3.0	100	0.00
23 TMP Chloroform	0.539	0.000#	100.0#	0#	-4.04#
24 TMP 2-Butanone (MEK)	0.132	0.000#	100.0#	0#	-3.79#
25 TMP t-Amyl methyl ether (TAME)	0.540	0.000#	100.0#	0#	-4.61#
26 TMP 1,2-Dichloroethane (EDC)	0.465	0.549	-18.1	108	-0.01
27 TMP 1,1,1-Trichloroethane	0.482	0.471	2.3	100	0.00
28 TMP 1,1-Dichloropropene	0.370	0.000#	100.0#	0#	-4.33#
29 TMP Carbon tetrachloride	0.485	0.000#	100.0#	0#	-4.33#
30 S 1,2-Dichloroethane-d4	0.062	0.065	-4.8	100	0.00
31 TMP Benzene	1.118	1.168	-4.5	100	0.00
32 TMP Trichloroethene	0.367	0.375	-2.2	96	0.00
33 TMP 1,2-Dichloropropane	0.241	0.000#	100.0#	0#	-5.24#
34 TMP Bromodichloromethane	0.387	0.000#	100.0#	0#	-5.48#
35 S Toluene-d8	0.954	0.954	0.0	100	0.00
36 TMP Dibromomethane	0.219	0.000#	100.0#	0#	-5.35#
37 TMP 4-Methyl-2-pentanone	0.042	0.000#	100.0#	0#	-6.03#
38 TMP cis-1,3-Dichloropropene	0.360	0.000#	100.0#	0#	-5.88#
39 I Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40 TMP Toluene	0.907	0.952	-5.0	100	0.00
41 TMP trans-1,3-Dichloropropene	0.366	0.000#	100.0#	0#	-6.36#
42 TMP 1,1,2-Trichloroethane	0.285	0.280	1.8	100	0.00
43 TMP 2-Hexanone	0.190	0.000#	100.0#	0#	-6.76#

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110508.D
 Acq On : 05 Nov 2022 12:20 pm
 Operator : VM
 Sample : 0.1 ppb 8260 ICAL 67-177H
 Misc : soil/water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:13 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.457	0.000#	100.0#	0#	-6.68#
45 TMP Tetrachloroethene	0.460	0.477	-3.7	100	0.00
46 TMP Dibromochloromethane	0.451	0.000#	100.0#	0#	-6.88#
47 TMP 1,2-Dibromoethane (EDB)	0.360	0.344	4.4	100	0.00
48 TMP Chlorobenzene	0.993	0.000#	100.0#	0#	-7.43#
49 TMP Ethylbenzene	1.557	1.567	-0.6	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.387	0.000#	100.0#	0#	-7.51#
51 TMP m,p-Xylene	0.612	0.599	2.1	100	0.00
52 TMP o-Xylene	0.591	0.597	-1.0	100	0.00
53 TMP Styrene	0.887	0.000#	100.0#	0#	-8.03#
54 TMP Isopropylbenzene	1.435	0.000#	100.0#	0#	-8.37#
55 TMP Bromoform	0.299	0.000#	100.0#	0#	-8.20#
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	0.689	0.727	-5.5	100	0.00
58 TMP n-Propylbenzene	2.700	0.000#	100.0#	0#	-8.77#
59 TMP Bromobenzene	0.837	0.000#	100.0#	0#	-8.65#
60 TMP 1,3,5-Trimethylbenzene	1.968	0.000#	100.0#	0#	-8.94#
61 TMP 1,1,2,2-Tetrachloroethane	0.626	0.000#	100.0#	0#	-8.65#
62 TMP 1,2,3-Trichloropropane	0.486	0.000#	100.0#	0#	-8.70#
63 TMP 2-Chlorotoluene	1.617	0.000#	100.0#	0#	-8.84#
64 TMP 4-Chlorotoluene	1.912	0.000#	100.0#	0#	-8.95#
65 TMP tert-Butylbenzene	1.952	0.000#	100.0#	0#	-9.25#
66 TMP 1,2,4-Trimethylbenzene	1.996	0.000#	100.0#	0#	-9.30#
67 TMP sec-Butylbenzene	2.624	0.000#	100.0#	0#	-9.46#
68 TMP p-Isopropyltoluene	2.387	0.000#	100.0#	0#	-9.61#
69 TMP 1,3-Dichlorobenzene	1.530	0.000#	100.0#	0#	-9.56#
70 TMP 1,4-Dichlorobenzene	1.564	0.000#	100.0#	0#	-9.64#
71 TMP 1,2-Dichlorobenzene	1.455	0.000#	100.0#	0#	-10.01#
72 TMP 1,2-Dibromo-3-chloropropane	0.108	0.000#	100.0#	0#	-10.78#
73 TMP 1,2,4-Trichlorobenzene	0.971	0.000#	100.0#	0#	-11.59#
74 TMP Hexachlorobutadiene	0.600	0.000#	100.0#	0#	-11.77#
75 TMP Naphthalene	1.833	0.000#	100.0#	0#	-11.84#
76 TMP 1,2,3-Trichlorobenzene	0.846	0.000#	100.0#	0#	-12.08#

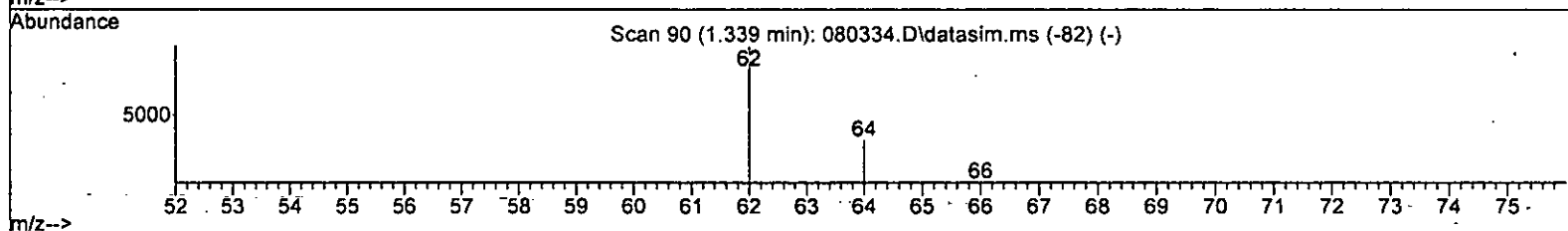
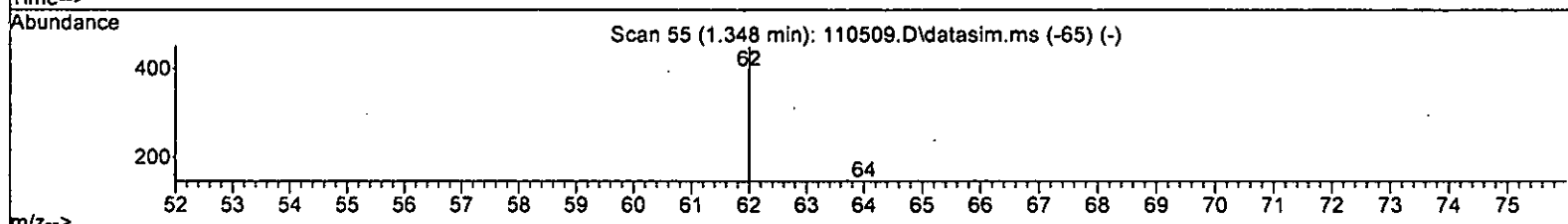
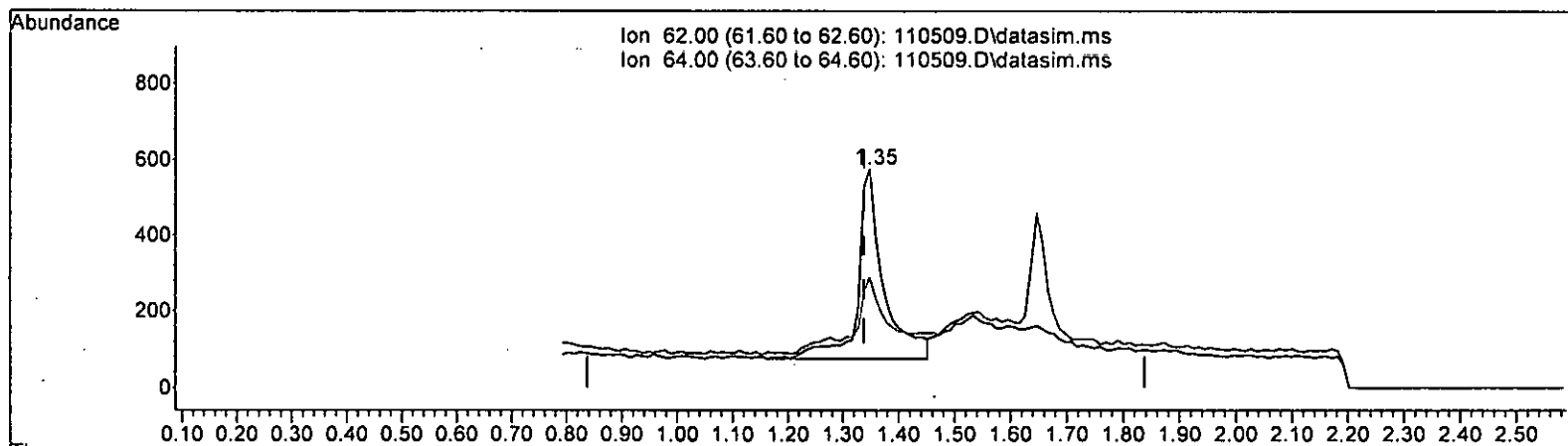
(#) = Out of Range

SPCC's out = 51 CCC's out = 0

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110509.D
 Acq On : 05 Nov 2022 12:44 pm
 Operator : VM
 Sample : 0.2 ppb 8260 ICAL 67-177I
 Misc : soil/water
 ALS Vial : 5 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:15 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110509.D\data.ms

(6) Vinyl chloride (TMP)

1.348min (+ 0.010) 0.291 ppb

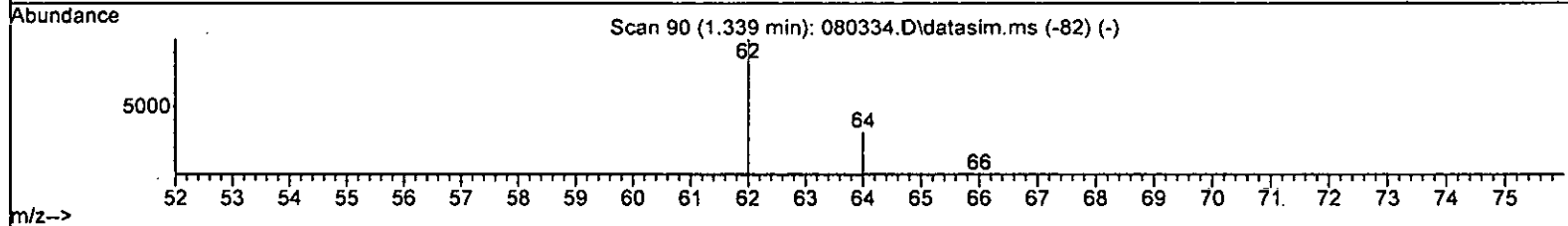
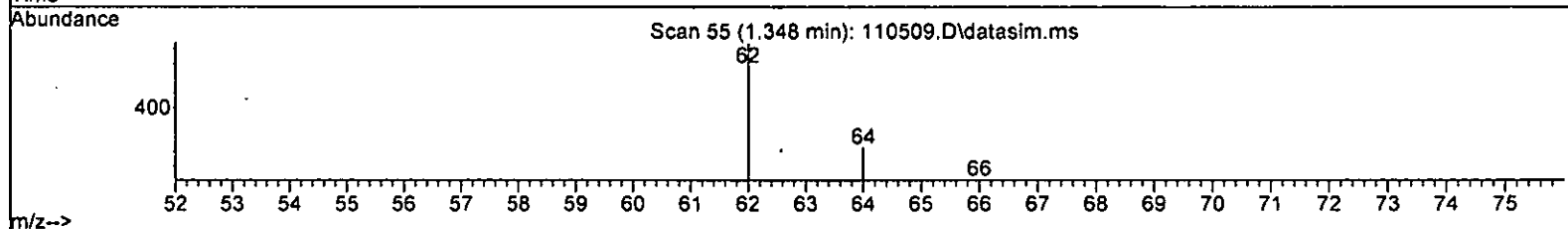
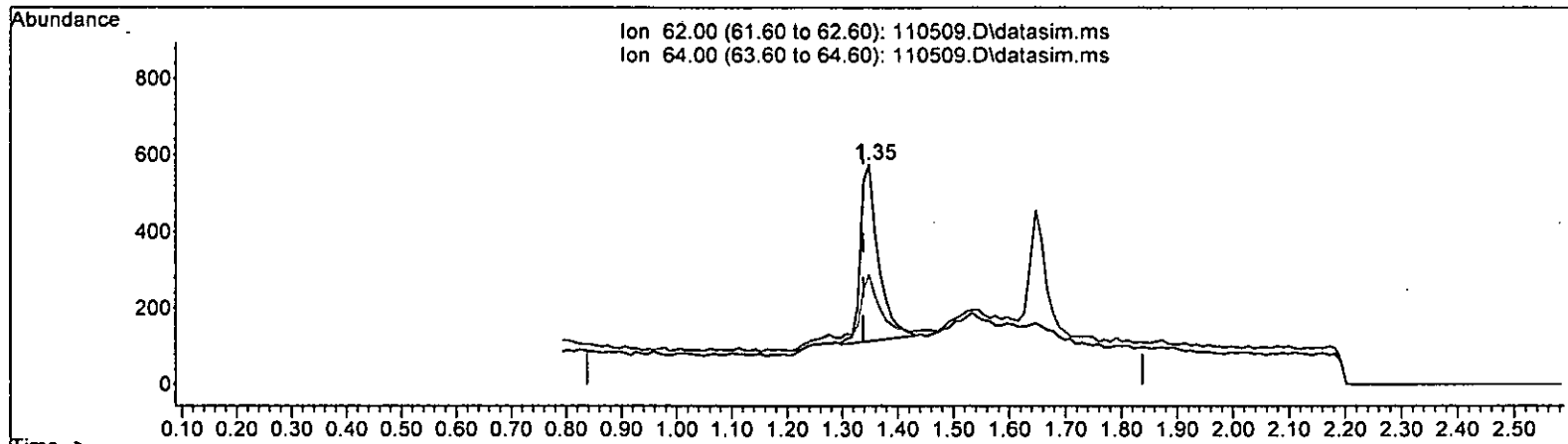
response 1606

Ion	Exp%	Act%
62.00	100.00	100.00
64.00	34.40	39.12
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110509.D
 Acq On : 05 Nov 2022 12:44 pm
 Operator : VM
 Sample : 0.2 ppb 8260 ICAL 67-177I
 Misc : soil/water
 ALS Vial : 5 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:15 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110509.D\data.ms

(6) Vinyl chloride (TMP)

1.348min (+ 0.010) 0.187 ppb m

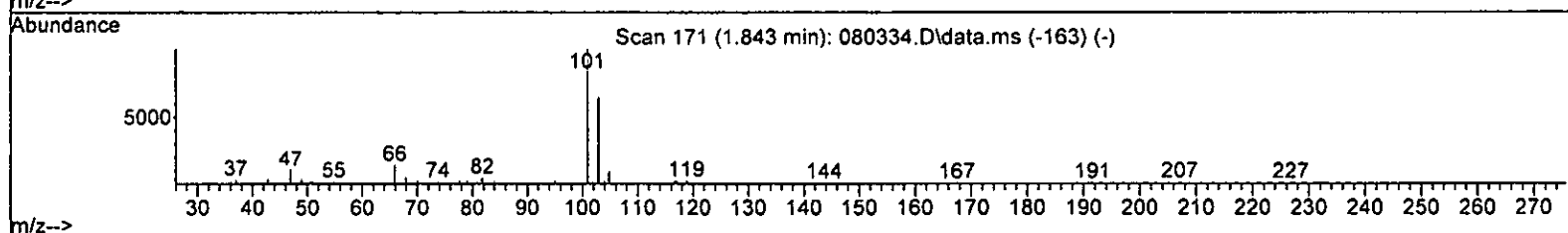
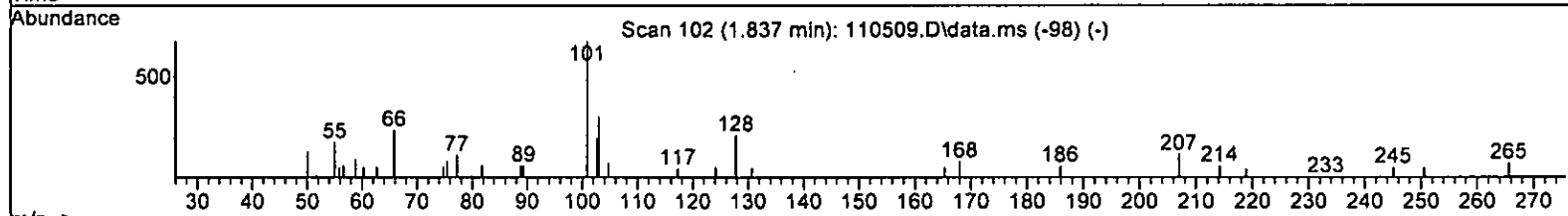
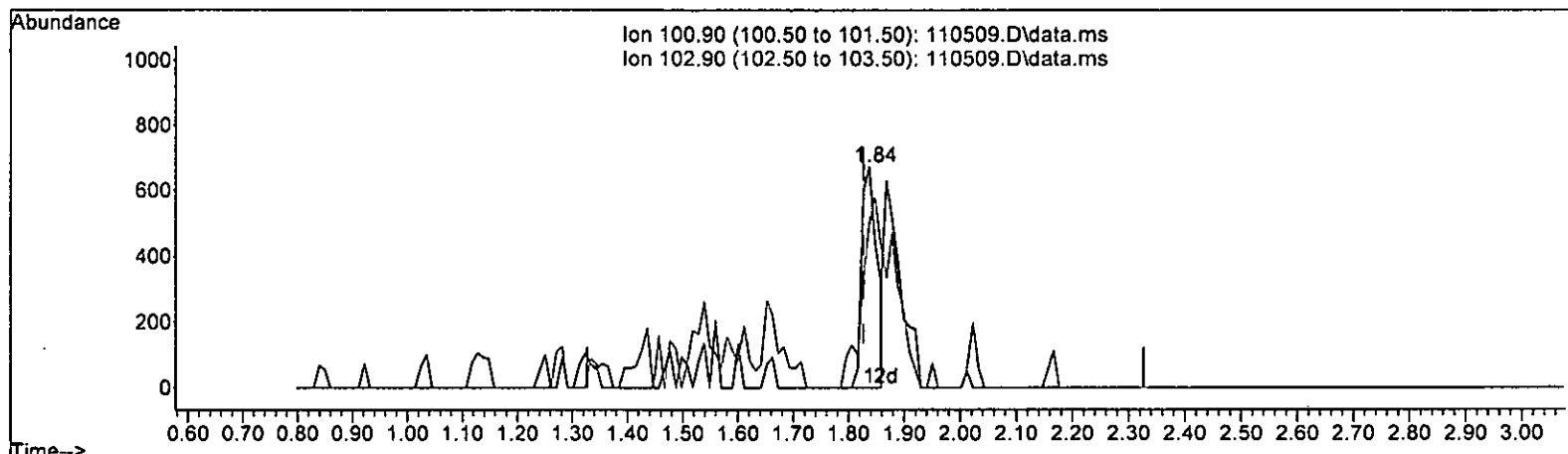
response 1032

Ion	Exp%	Act%
62.00	100.00	100.00
64.00	34.40	50.17
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110509.D
 Acq On : 05 Nov 2022 12:44 pm
 Operator : VM
 Sample : 0.2 ppb 8260 ICAL 67-177I
 Misc : soil/water
 ALS Vial : 5 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:15 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110509.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.837min (+ 0.010) 0.106 ppb

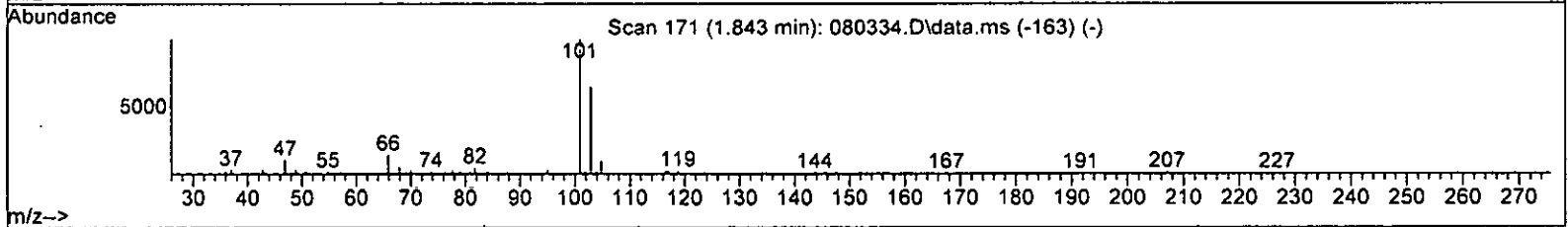
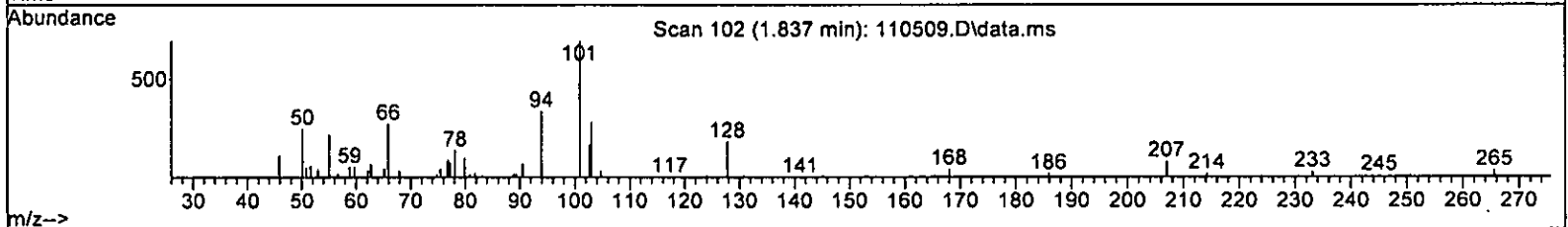
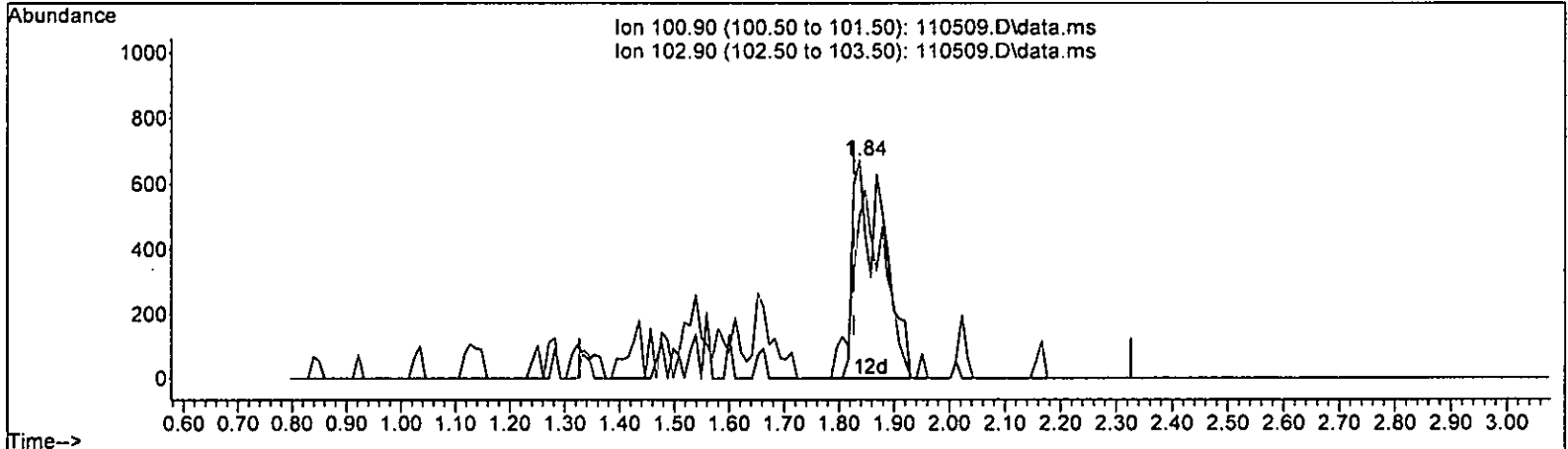
response 1292

Ion	Exp%	Act%
100.90	100.00	100.00
102.90	65.30	60.12
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110509.D
 Acq On : 05 Nov 2022 12:44 pm
 Operator : VM
 Sample : 0.2 ppb 8260 ICAL 67-177I
 Misc : soil/water
 ALS Vial : 5 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:15 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110509.D\data.ms

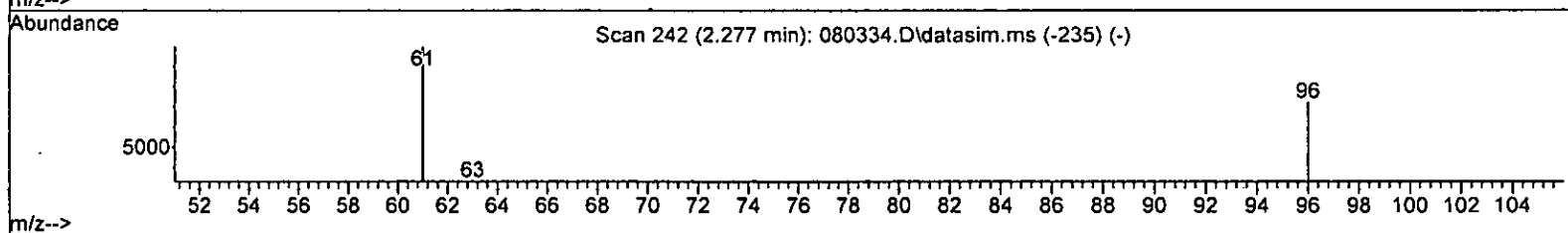
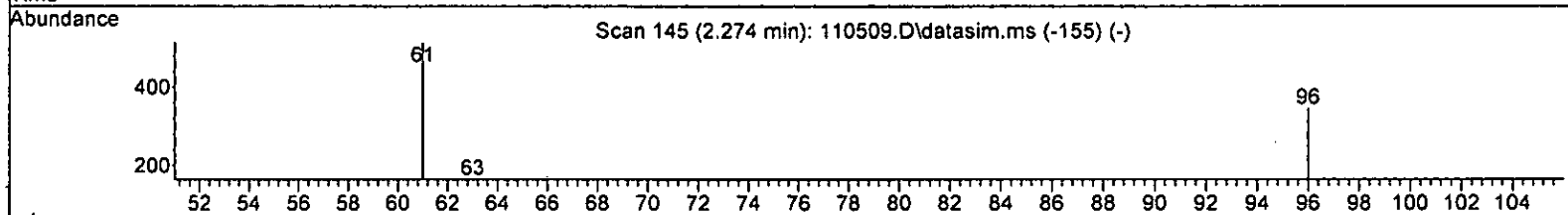
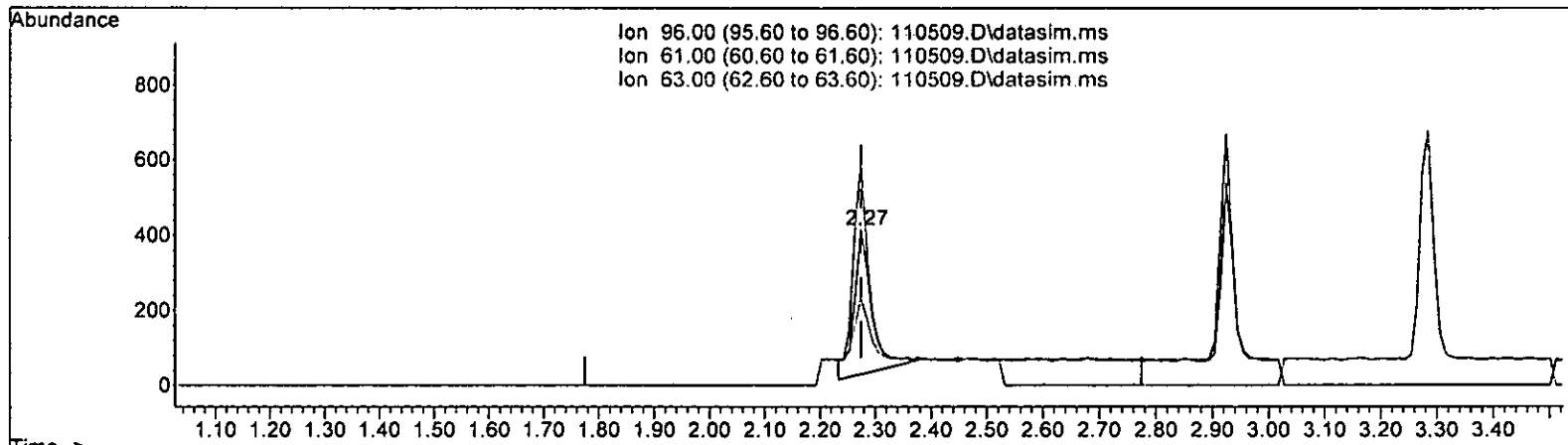
(9) Trichlorofluoromethane (TMP) ,
 1.837min (+ 0.010) 0.213 ppb m
 response 2591

Ion	Exp%	Act%
100.90	100.00	100.00
102.90	65.30	44.94
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110509.D
 Acq On : 05 Nov 2022 12:44 pm
 Operator : VM
 Sample : 0.2 ppb 8260 ICAL 67-177I
 Misc : soil/water
 ALS Vial : 5 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:15 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110509.D\data.ms

(12) 1,1-Dichloroethene (TMP)

2.274min (-0.001) 0.272 ppb

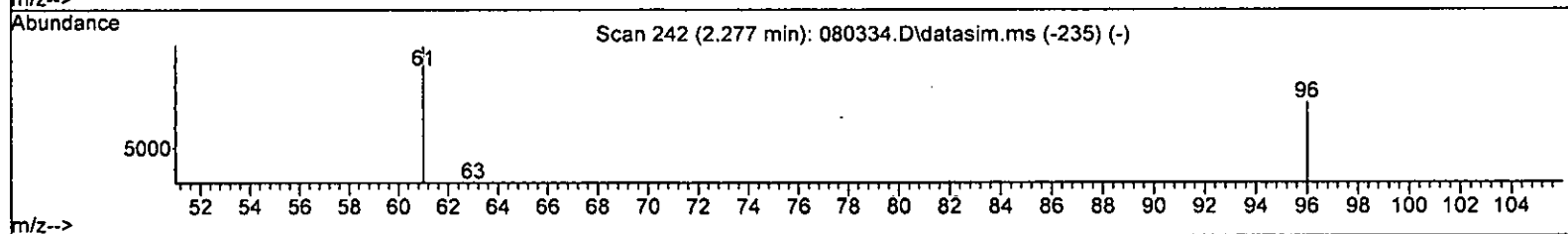
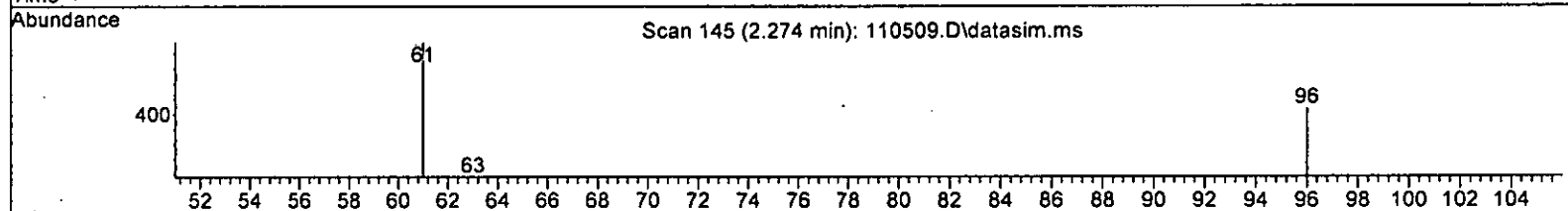
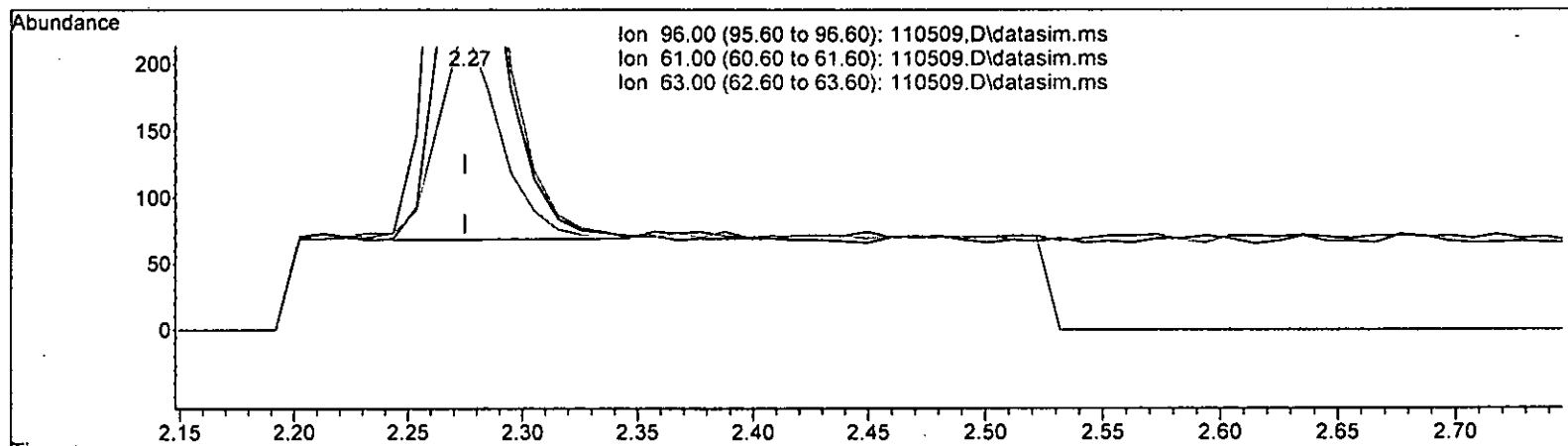
response 840

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	120.90	149.71
63.00	43.90	47.40
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110509.D
 Acq On : 05 Nov 2022 12:44 pm
 Operator : VM
 Sample : 0.2 ppb 8260 ICAL 67-177I
 Misc : soil/water
 ALS Vial : 5 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:15 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110509.D\data.ms

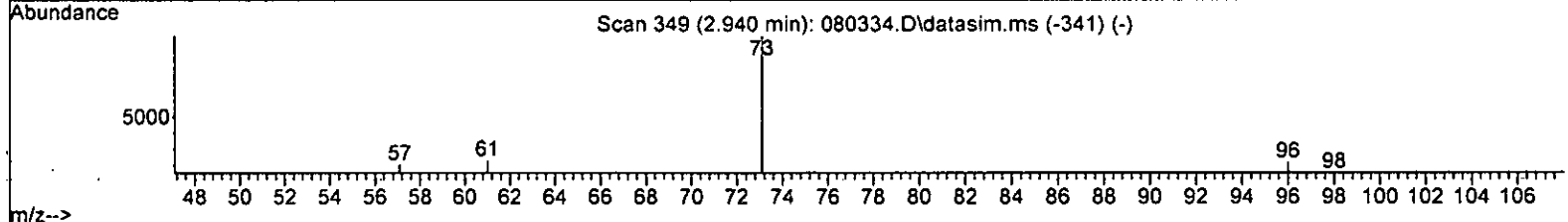
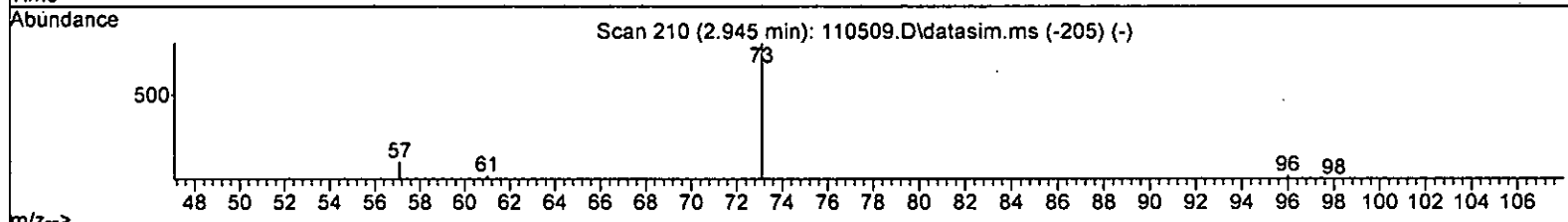
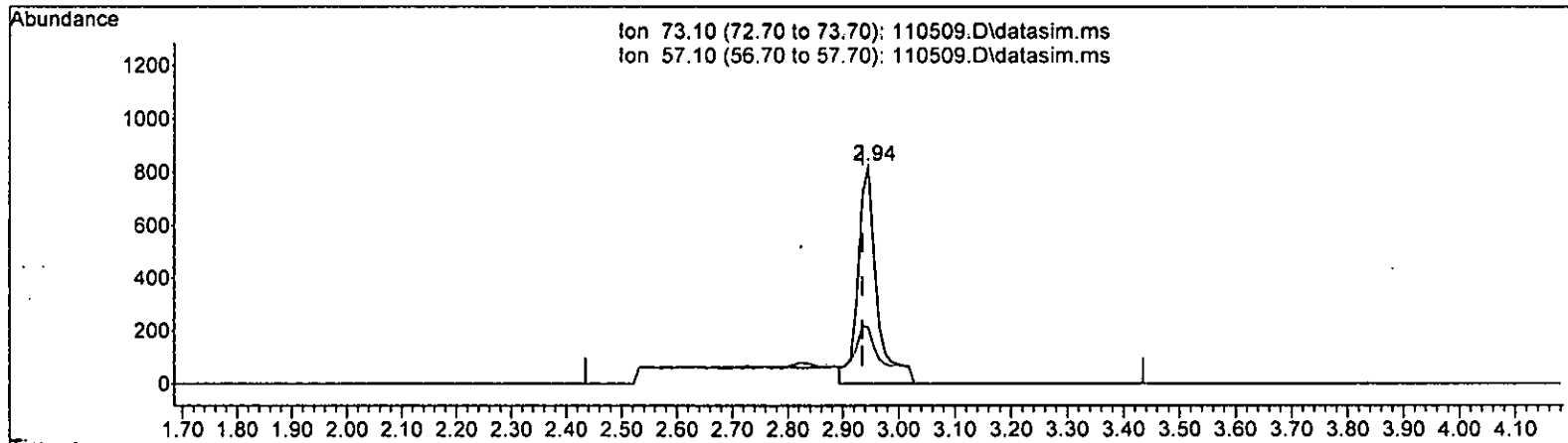
(12) 1,1-Dichloroethene (TMP)
 2.274min (-0.001) 0.196 ppb m

response	605
Ion	Exp% Act%
96.00	100.00 100.00
61.00	120.90 142.03
63.00	43.90 56.52
0.00	0.00 0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110509.D
 Acq On : 05 Nov 2022 12:44 pm
 Operator : VM
 Sample : 0.2 ppb 8260 ICAL 67-177I
 Misc : soil/water
 ALS Vial : 5 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:15 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110509.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

2.945min (+ 0.010) 0.264 ppb

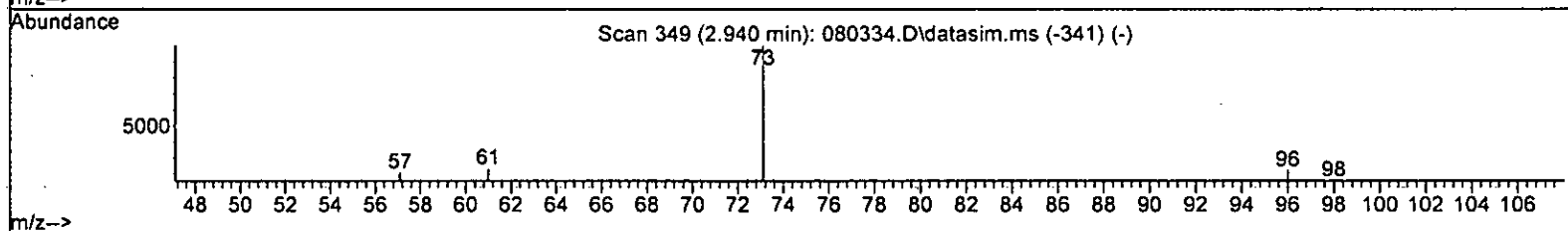
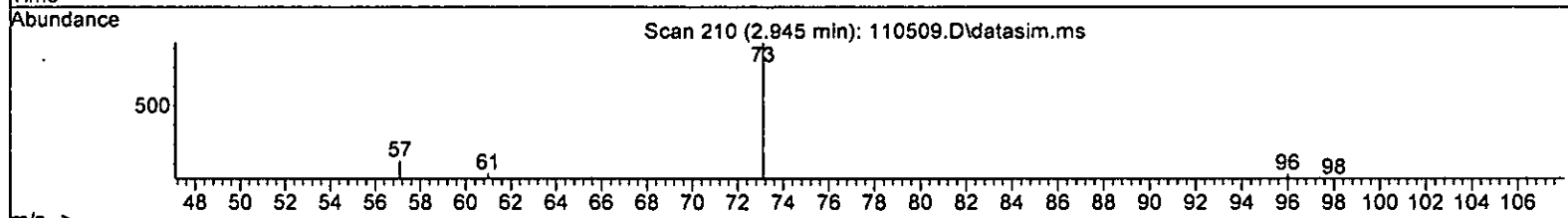
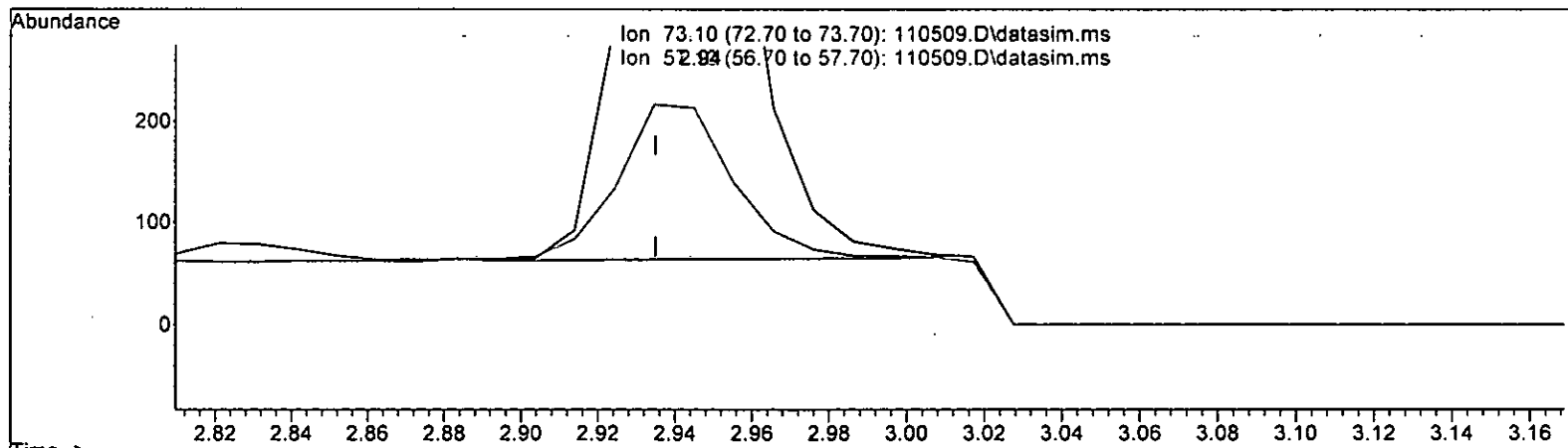
response 1907

Ion	Exp%	Act%
73.10	100.00	100.00
57.10	19.40	25.72
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110509.D
 Acq On : 05 Nov 2022 12:44 pm
 Operator : VM
 Sample : 0.2 ppb 8260 ICAL 67-177I
 Misc : soil/water
 ALS Vial : 5 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:15 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110509.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

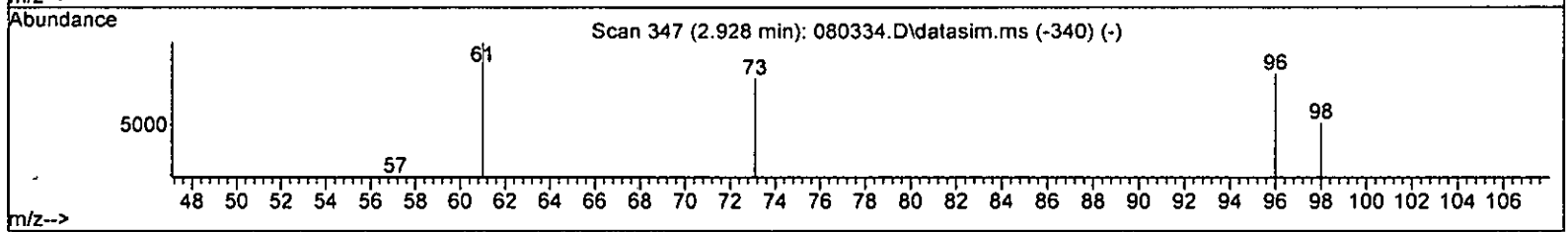
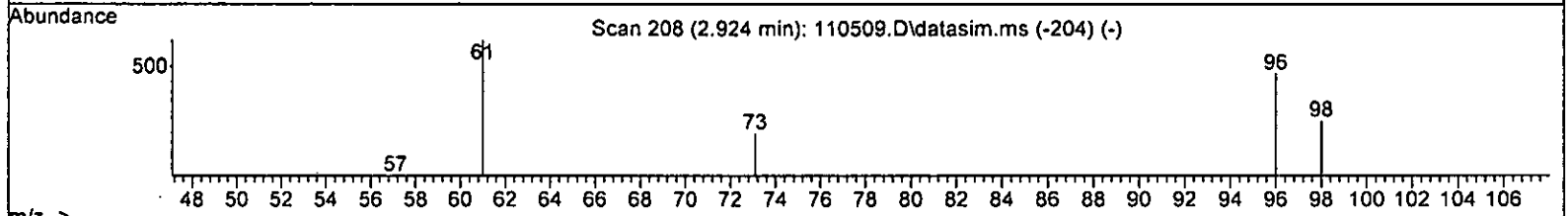
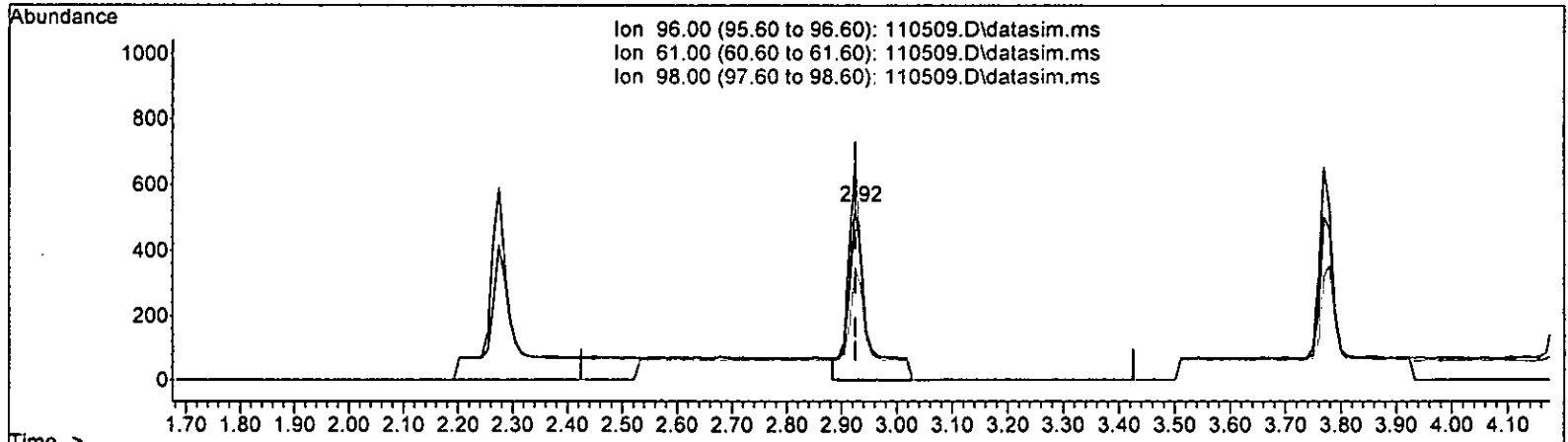
2.945min (+ 0.010) 0.199 ppb m

response	1434
Ion	Exp% Act%
73.10	100.00 100.00
57.10	19.40 25.72
0.00	0.00 0.00
0.00	0.00 0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110509.D
 Acq On : 05 Nov 2022 12:44 pm
 Operator : VM
 Sample : 0.2 ppb 8260 ICAL 67-177I
 Misc : soil/water
 ALS Vial : 5 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:15 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110509.D\data.ms

(17) trans-1,2-Dichloroethene (TMP)

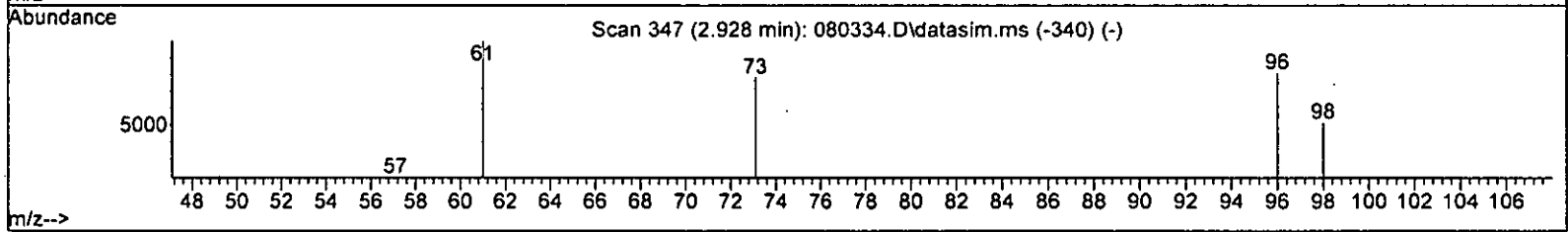
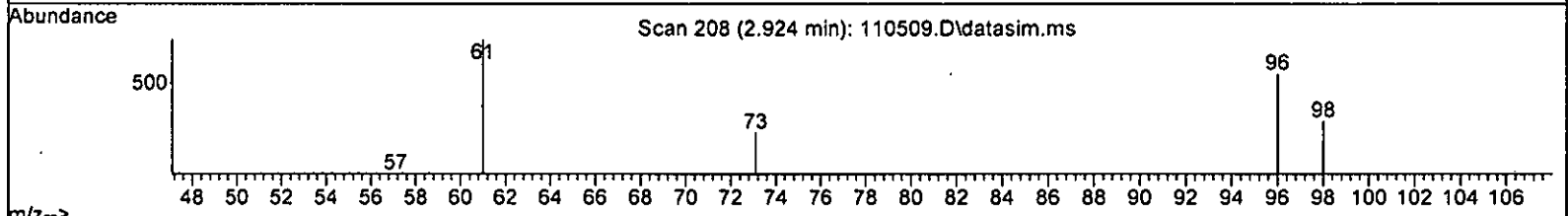
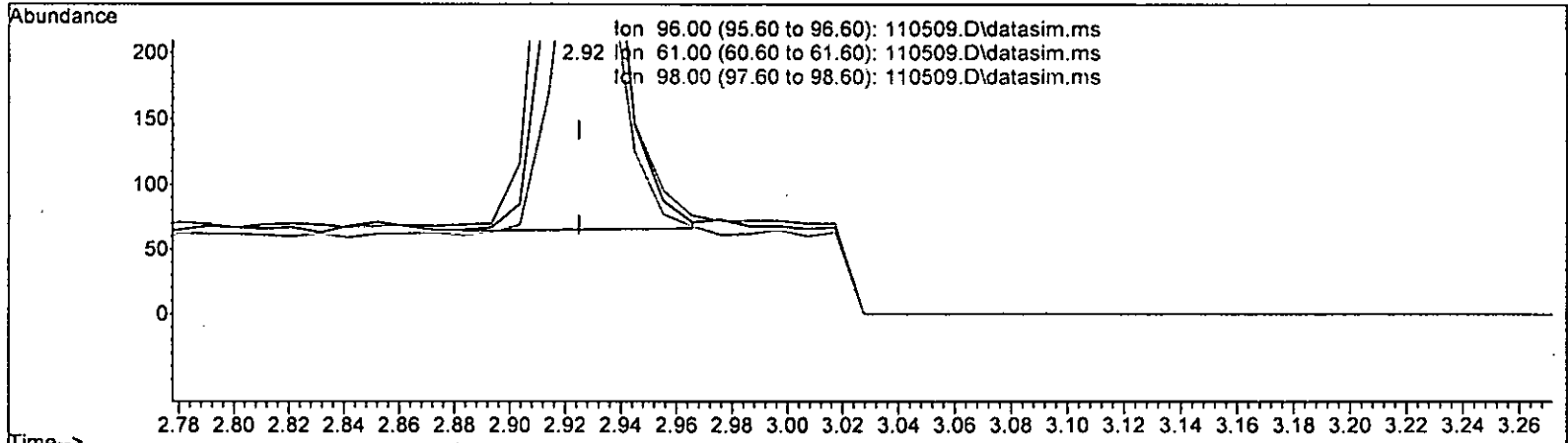
2.924min (-0.001) 0.354 ppb

response	1220	
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	108.70	125.42
98.00	67.30	64.67
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110509.D
 Acq On : 05 Nov 2022 12:44 pm
 Operator : VM
 Sample : 0.2 ppb 8260 ICAL 67-177I
 Misc : soil/water
 ALS Vial : 5 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:15 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110509.D\data.ms

(17) trans-1,2-Dichloroethene (TMP)

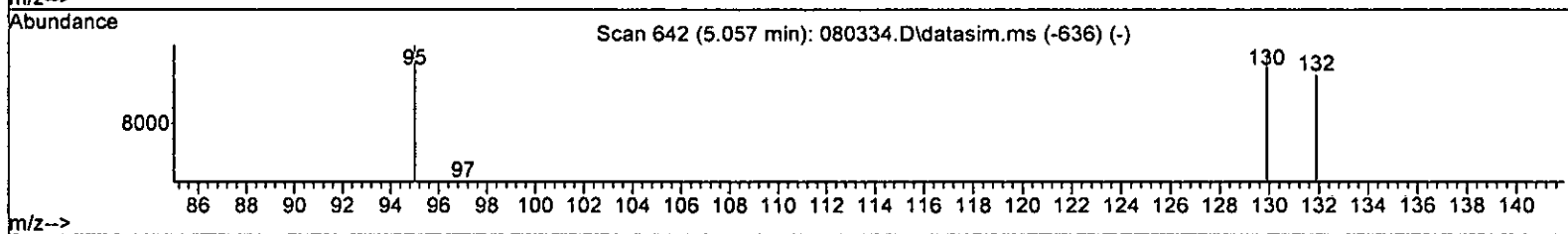
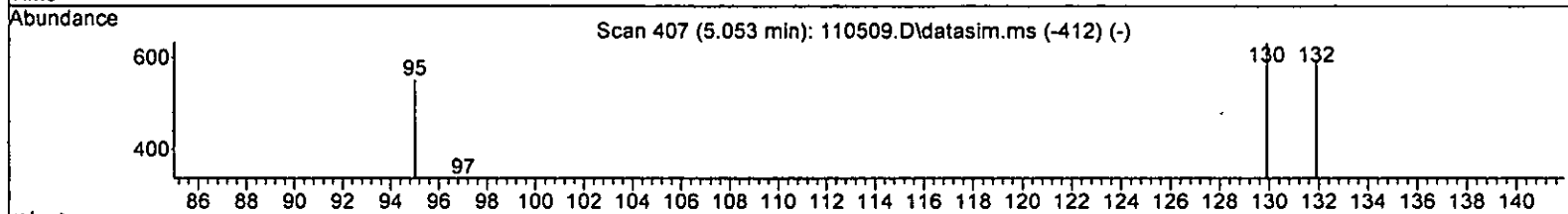
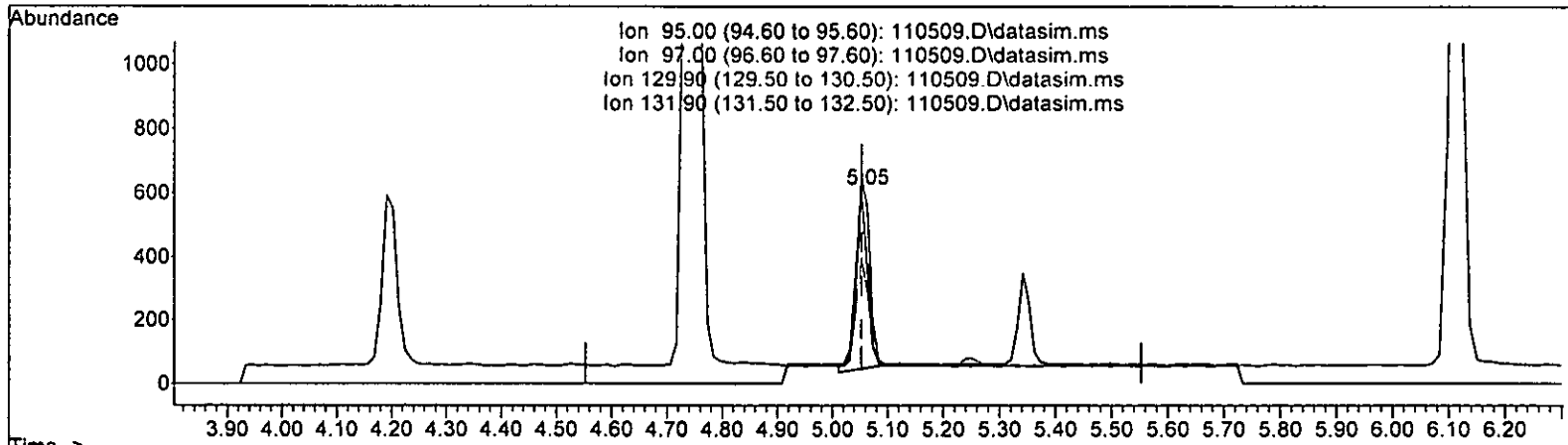
2.924min (-0.001) 0.199 ppb m

response	686	
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	108.70	125.42
98.00	67.30	64.67
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110509.D
 Acq On : 05 Nov 2022 12:44 pm
 Operator : VM
 Sample : 0.2 ppb 8260 ICAL 67-177I
 Misc : soil/water
 ALS Vial : 5 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:15 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110509.D\data.ms

(32) Trichloroethene (TPE)

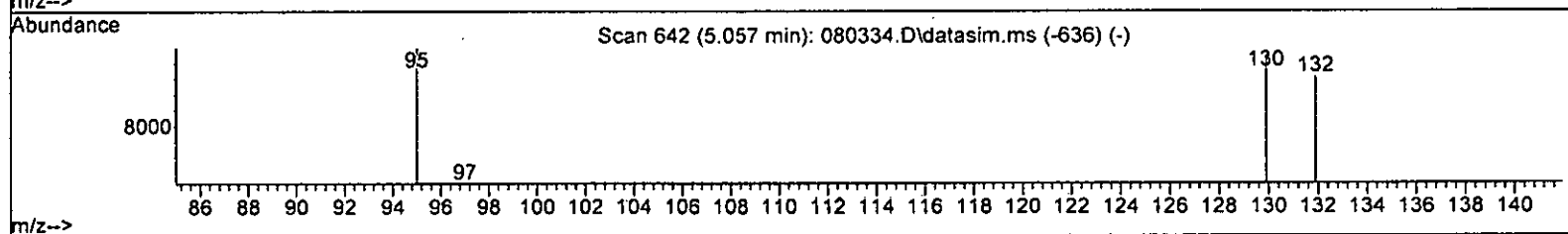
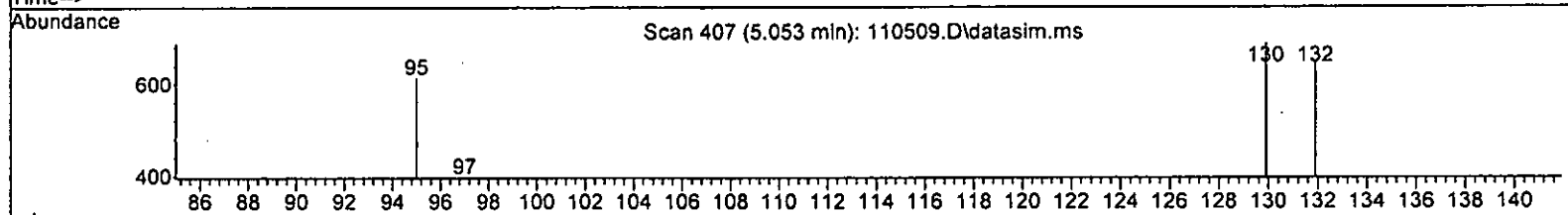
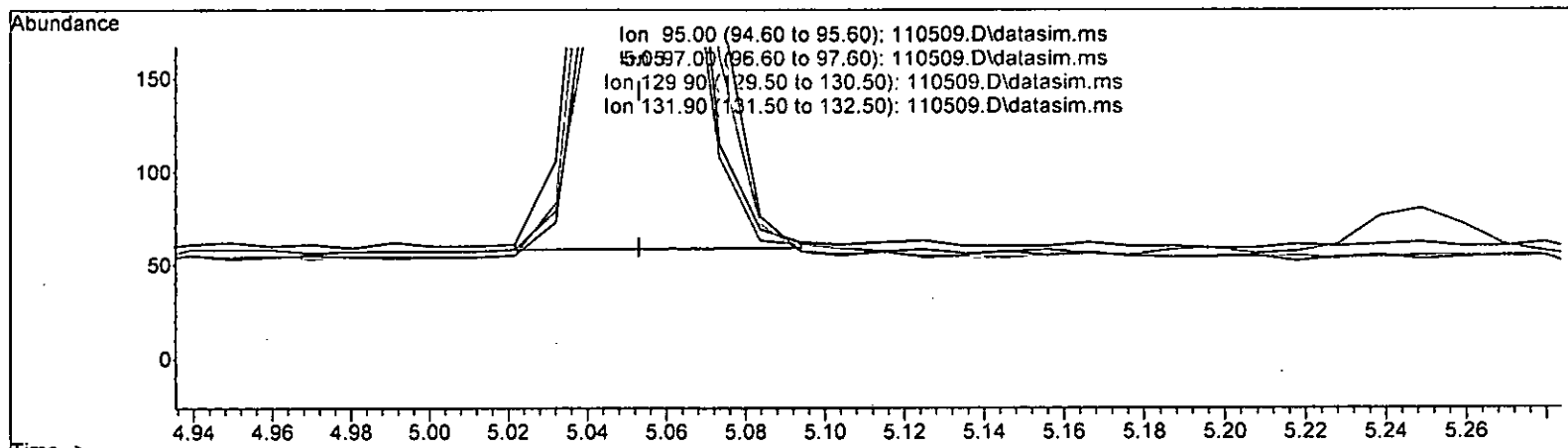
5.053min (-0.000) 0.214 ppb

response	849
Ion	Exp% Act%
95.00	100.00 100.00
97.00	64.60 61.41
129.90	103.40 114.86
131.90	95.80 107.25

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110509.D
 Acq On : 05 Nov 2022 12:44 pm
 Operator : VM
 Sample : 0.2 ppb 8260 ICAL 67-177I
 Misc : soil/water
 ALS Vial : 5 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:15 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110509.D\data.ms

(32) Trichloroethene (TME)

5.053min (-0.000) 0.197 ppb m

response 782

Ion	Exp%	Act%
95.00	100.00	100.00
97.00	64.60	64.71
129.90	103.40	112.42
131.90	95.80	105.56

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110509.D
 Acq On : 05 Nov 2022 12:44 pm
 Operator : VM
 Sample : 0.2 ppb 8260 ICAL 67-177I
 Misc : soil/water
 ALS Vial : 5 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:15 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	4.75	96	108326	10.000	ppb	0.00	
39) Chlorobenzene-d5	7.40	117	89660	10.000	ppb	0.00	
56) 1,4-Dichlorobenzene-d4	9.62	152	50001	10.000	ppb	0.00	
System Monitoring Compounds							
3) Dibromofluoromethane	4.18	113	35002	10.076	ppb	0.00	
Spiked Amount	10.000	Range	50 - 150	Recovery	=	100.80%	
30) 1,2-Dichloroethane-d4	4.45	102	7026	10.436	ppb	0.00	
Spiked Amount	10.000	Range	84 - 120	Recovery	=	104.40%	
35) Toluene-d8	6.11	98	100698	9.747	ppb	0.00	
Spiked Amount	10.000	Range	73 - 128	Recovery	=	97.50%	
57) 4-Bromofluorobenzene	8.51	95	36151	10.493	ppb	0.00	
Spiked Amount	10.000	Range	57 - 146	Recovery	=	104.90%	
Target Compounds							
							Qvalue
2) Ethanol	2.33	45	224	No Calib			
4) Dichlorodifluoromethane	0.00		0	N.D.	d		
5) Chloromethane	0.00		0	N.D.	d		
6] Vinyl chloride	1.35	62	1032m	0.187	ppb		
7) Bromomethane	0.00		0	N.D.			
8) Chloroethane	0.00		0	N.D.	d		
9) Trichlorofluoromethane	1.84	101	2591m	0.213	ppb		
10) 2-Propanol	0.00		0	N.D.	d		
11) Acetone	0.00		0	N.D.	d		
12] 1,1-Dichloroethene	2.27	96	605m	0.196	ppb		
13) Hexane	0.00		0	N.D.	d		
14) Methylene chloride	0.00		0	N.D.	d		
15) t-Butyl alcohol (TBA)	0.00		0	N.D.	d		
16] Methyl t-butyl ether (...)	2.94	73	1434m	0.199	ppb		
17] trans-1,2-Dichloroethene	2.92	96	686m	0.199	ppb		
18) Diisopropyl ether (DIPE)	3.35	45	1833	0.243	ppb		93
19] 1,1-Dichloroethane	3.28	63	1021	0.203	ppb		95
20] Ethyl t-butyl ether (E...)	3.66	87	539	0.193	ppb	#	39
21) 2,2-Dichloropropane	3.77	77	717	0.240	ppb		48
22] cis-1,2-Dichloroethene	3.77	96	732	0.203	ppb		92
23) Chloroform	4.05	83	1270	0.218	ppb		78
24) 2-Butanone (MEK)	3.81	43	2219	1.386	ppb		94
25) t-Amyl methyl ether (T...)	4.61	73	1189	0.203	ppb		84
26] 1,2-Dichloroethane (EDC)	4.53	62	1041	0.198	ppb		97
27] 1,1,1-Trichloroethane	4.19	97	1020	0.195	ppb		89
28) 1,1-Dichloropropene	4.33	75	859	0.199	ppb		79
29) Carbon tetrachloride	4.33	117	1127	0.214	ppb		86
31] Benzene	4.50	78	2506	0.207	ppb		96
32] Trichloroethene	5.05	95	782m	0.197	ppb		
33) 1,2-Dichloropropane	5.24	63	676	0.259	ppb	#	88
34) Bromodichloromethane	5.48	83	755	0.180	ppb		89
36) Dibromomethane	5.35	93	583	0.245	ppb		94

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110509.D
 Acq On : 05 Nov 2022 12:44 pm
 Operator : VM
 Sample : 0.2 ppb 8260 ICAL 67-177I
 Misc : soil/water
 ALS Vial : 5 Sample Multiplier: 1
 InstName : GCMS13

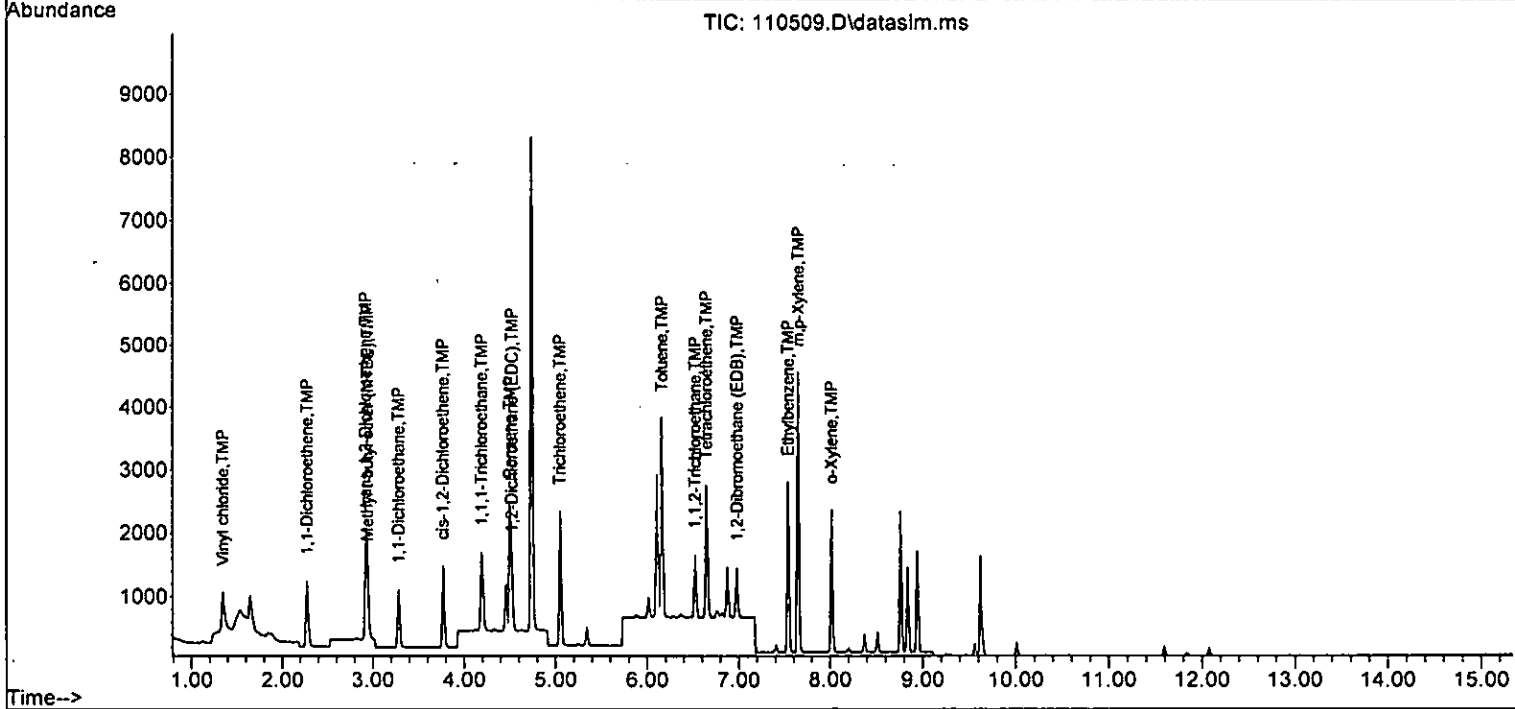
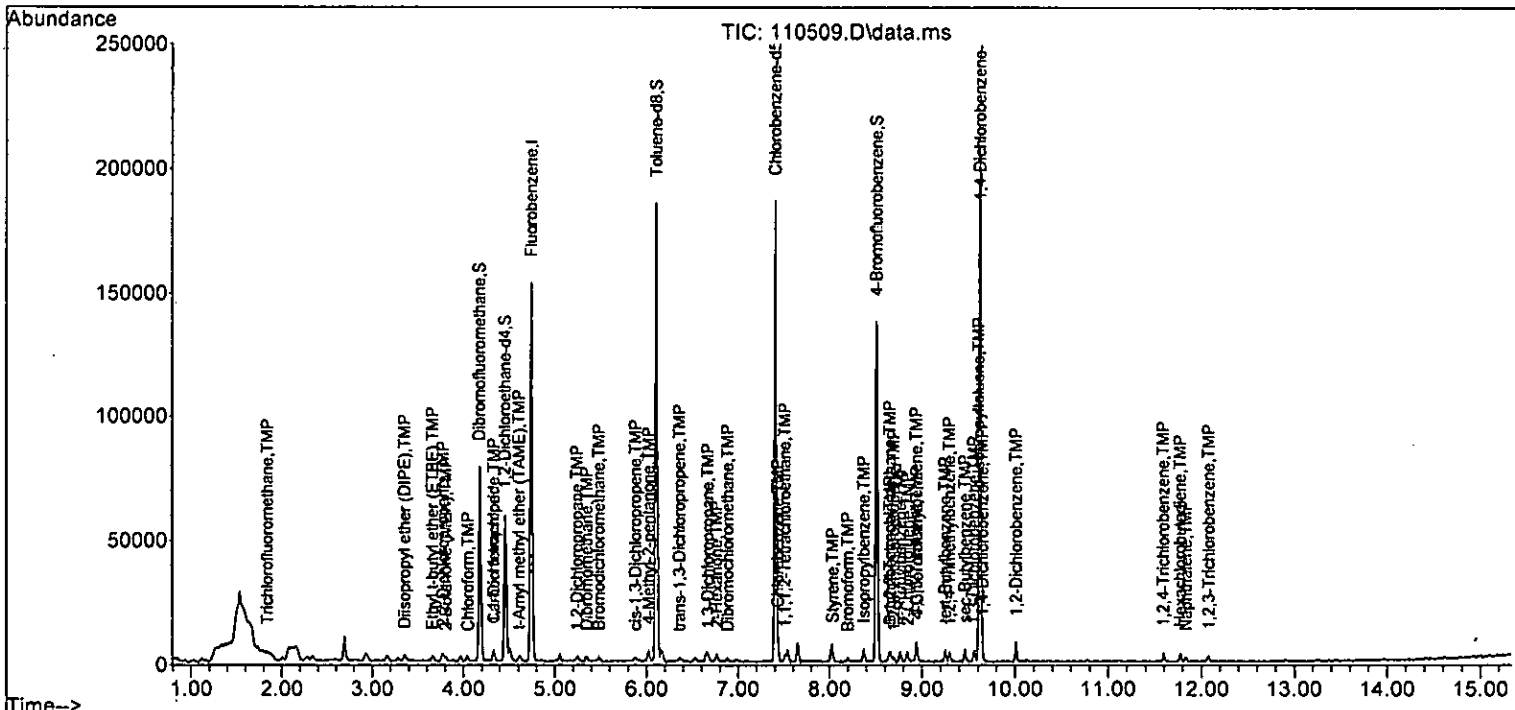
Quant Time: Nov 07 15:17:15 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	6.02	85	420	0.914	ppb #	1
38) cis-1,3-Dichloropropene	5.88	75	820	0.210	ppb	73
40] Toluene	6.16	92	1643	0.212	ppb	99
41) trans-1,3-Dichloropropene	6.36	75	859	0.279	ppb	94
42] 1,1,2-Trichloroethane	6.53	83	511	0.206	ppb	95
43) 2-Hexanone	6.76	43	1849	1.088	ppb	96
44) 1,3-Dichloropropane	6.67	76	1020	0.249	ppb	94
45] Tetrachloroethene	6.65	164	788	0.203	ppb	97
46) Dibromochloromethane	6.89	129	1070	0.251	ppb	73
47] 1,2-Dibromoethane (EDB)	6.98	107	613	0.190	ppb	97
48) Chlorobenzene	7.43	112	1897	0.213	ppb	95
49] Ethylbenzene	7.54	91	2762	0.198	ppb	96
50) 1,1,1,2-Tetrachloroethane	7.51	131	690	0.199	ppb	97
51] m,p-Xylene	7.65	106	2123	0.387	ppb	91
52] o-Xylene	8.02	106	1027	0.194	ppb	92
53) Styrene	8.03	104	1723	0.217	ppb	93
54) Isopropylbenzene	8.37	105	2623	0.204	ppb	90
55) Bromoform	8.20	173	538	0.201	ppb	74
58) n-Propylbenzene	8.77	91	2749	0.204	ppb	94
59) Bromobenzene	8.65	156	982	0.235	ppb #	74
60) 1,3,5-Trimethylbenzene	8.94	105	2027	0.206	ppb	100
61) 1,1,2,2-Tetrachloroethane	8.65	83	827	0.185	ppb	87
62) 1,2,3-Trichloropropane	8.70	75	573	0.236	ppb	70
63) 2-Chlorotoluene	8.84	91	1744	0.216	ppb	74
64) 4-Chlorotoluene	8.95	91	2246	0.235	ppb	88
65) tert-Butylbenzene	9.25	119	2127	0.218	ppb	97
66) 1,2,4-Trimethylbenzene	9.30	105	2025	0.203	ppb	85
67) sec-Butylbenzene	9.46	105	2706	0.206	ppb	93
68) p-Isopropyltoluene	9.61	119	2232	0.187	ppb	94
69) 1,3-Dichlorobenzene	9.56	146	1761	0.230	ppb	86
70) 1,4-Dichlorobenzene	9.65	146	1879	0.240	ppb	74
71) 1,2-Dichlorobenzene	10.01	146	1614	0.222	ppb	93
72) 1,2-Dibromo-3-chloropr...	0.00		0	N.D.	d	
73) 1,2,4-Trichlorobenzene	11.59	180	1104	0.228	ppb	88
74) Hexachlorobutadiene	11.77	225	687	0.229	ppb	91
75) Naphthalene	11.83	128	1648	0.256	ppb	96
76) 1,2,3-Trichlorobenzene	12.08	180	778	0.184	ppb	92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110509.D
 Acq On : 05 Nov 2022 12:44 pm
 Operator : VM
 Sample : 0.2 ppb 8260 ICAL 67-1771
 Misc : soil/water
 ALS Vial : 5 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:15 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110509.D
 Acq On : 05 Nov 2022 12:44 pm
 Operator : VM
 Sample : 0.2 ppb 8260 ICAL 67-177I
 Misc : soil/water
 ALS Vial : 5 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:15 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I Fluorobenzene	10.000	10.000	0.0	100	0.00
2 TMP Ethanol	-1.000	0.000	0.0	0	0.00
3 S Dibromofluoromethane	10.000	10.076	-0.8	100	0.00
4 TMP Dichlorodifluoromethane	-1.000	0.000	0.0	0	-1.12#
5 TMP Chloromethane	-1.000	0.000	0.0	0	-1.26#
6 TMP Vinyl chloride	0.200	0.187	6.5	95	0.01
7 TMP Bromomethane	-1.000	0.000	0.0	0	-1.58#
8 TMP Chloroethane	-1.000	0.000	0.0	0	-1.65#
9 TMP Trichlorofluoromethane	0.200	0.213	-6.5	100	0.01
10 TMP 2-Propanol	-1.000	0.000	0.0	0	-2.33#
11 TMP Acetone	-1.000	0.000	0.0	0	-2.33#
12 TMP 1,1-Dichloroethene	0.200	0.196	2.0	95	0.00
13 TMP Hexane	-1.000	0.000	0.0	0	-3.16#
14 TMP Methylene chloride	-1.000	0.000	0.0	0	-2.68#
15 TMP t-Butyl alcohol (TBA)	-1.000	0.000	0.0	0	-2.82#
16 TMP Methyl t-butyl ether (MTBE)	0.200	0.199	0.5	100	0.00
17 TMP trans-1,2-Dichloroethene	0.200	0.199	0.5	97	0.00
18 TMP Diisopropyl ether (DIPE)	0.200	0.243	-21.5#	100	0.00
19 TMP 1,1-Dichloroethane	0.200	0.203	-1.5	100	0.00
20 TMP Ethyl t-butyl ether (ETBE)	0.200	0.193	3.5	100	0.00
21 TMP 2,2-Dichloropropane	0.200	0.240	-20.0	100	0.00
22 TMP cis-1,2-Dichloroethene	0.200	0.203	-1.5	100	0.00
23 TMP Chloroform	0.200	0.218	-9.0	100	0.01
24 TMP 2-Butanone (MEK)	1.000	1.386	-38.6#	102	0.01
25 TMP t-Amyl methyl ether (TAME)	0.200	0.203	-1.5	100	0.00
26 TMP 1,2-Dichloroethane (EDC)	0.200	0.198	1.0	104	0.00
27 TMP 1,1,1-Trichloroethane	0.200	0.195	2.5	100	0.00
28 TMP 1,1-Dichloropropene	0.200	0.199	0.5	100	0.00
29 TMP Carbon tetrachloride	0.200	0.214	-7.0	100	0.00
30 S 1,2-Dichloroethane-d4	10.000	10.436	-4.4	100	0.00
31 TMP Benzene	0.200	0.207	-3.5	100	0.00
32 TMP Trichloroethene	0.200	0.197	1.5	96	0.00
33 TMP 1,2-Dichloropropane	0.200	0.259	-29.5#	100	0.00
34 TMP Bromodichloromethane	0.200	0.180	10.0	100	0.00
35 S Toluene-d8	10.000	9.747	2.5	100	0.00
36 TMP Dibromomethane	0.200	0.245	-22.5#	100	0.00
37 TMP 4-Methyl-2-pentanone	1.000	0.914	8.6	100	0.00
38 TMP cis-1,3-Dichloropropene	0.200	0.210	-5.0	100	0.00
39 I Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40 TMP Toluene	0.200	0.212	-6.0	100	0.00
41 TMP trans-1,3-Dichloropropene	0.200	0.279	-39.5#	100	0.00
42 TMP 1,1,2-Trichloroethane	0.200	0.206	-3.0	100	0.00
43 TMP 2-Hexanone	1.000	1.088	-8.8	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110509.D
 Acq On : 05 Nov 2022 12:44 pm
 Operator : VM
 Sample : 0.2 ppb 8260 ICAL 67-177I
 Misc : soil/water
 ALS Vial : 5 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:15 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.200	0.249	-24.5#	100	-0.01
45 TMP Tetrachloroethene	0.200	0.203	-1.5	100	0.00
46 TMP Dibromochloromethane	0.200	0.251	-25.5#	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	0.200	0.190	5.0	100	0.00
48 TMP Chlorobenzene	0.200	0.213	-6.5	100	0.00
49 TMP Ethylbenzene	0.200	0.198	1.0	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.200	0.199	0.5	100	0.00
51 TMP m,p-Xylene	0.400	0.387	3.3	100	0.00
52 TMP o-Xylene	0.200	0.194	3.0	100	0.00
53 TMP Styrene	0.200	0.217	-8.5	100	0.00
54 TMP Isopropylbenzene	0.200	0.204	-2.0	100	0.00
55 TMP Bromoform	0.200	0.201	-0.5	100	0.00
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	10.000	10.493	-4.9	100	0.00
58 TMP n-Propylbenzene	0.200	0.204	-2.0	100	0.00
59 TMP Bromobenzene	0.200	0.235	-17.5	100	0.00
60 TMP 1,3,5-Trimethylbenzene	0.200	0.206	-3.0	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.200	0.185	7.5	100	0.00
62 TMP 1,2,3-Trichloropropane	0.200	0.236	-18.0	100	0.00
63 TMP 2-Chlorotoluene	0.200	0.216	-8.0	100	0.00
64 TMP 4-Chlorotoluene	0.200	0.235	-17.5	100	0.00
65 TMP tert-Butylbenzene	0.200	0.218	-9.0	100	0.00
66 TMP 1,2,4-Trimethylbenzene	0.200	0.203	-1.5	100	0.00
67 TMP sec-Butylbenzene	0.200	0.206	-3.0	100	0.00
68 TMP p-Isopropyltoluene	0.200	0.187	6.5	100	0.00
69 TMP 1,3-Dichlorobenzene	0.200	0.230	-15.0	100	0.00
70 TMP 1,4-Dichlorobenzene	0.200	0.240	-20.0	100	0.00
71 TMP 1,2-Dichlorobenzene	0.200	0.222	-11.0	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	-1.000	0.000	0.0	0	-10.78#
73 TMP 1,2,4-Trichlorobenzene	0.200	0.228	-14.0	100	0.00
74 TMP Hexachlorobutadiene	0.200	0.229	-14.5	100	0.00
75 TMP Naphthalene	0.200	0.256	-28.0#	100	0.00
76 TMP 1,2,3-Trichlorobenzene	0.200	0.184	8.0	100	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110509.D
 Acq On : 05 Nov 2022 12:44 pm
 Operator : VM
 Sample : 0.2 ppb 8260 ICAL 67-177I
 Misc : soil/water
 ALS Vial : 5 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:15 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2 TMP	Ethanol	0.000	0.000#	0.0	0#	0.00
3 S	Dibromofluoromethane	0.321	0.323	-0.6	100	0.00
4 TMP	Dichlorodifluoromethane	0.800	0.000#	100.0#	0#	-1.12#
5 TMP	Chloromethane	0.488	0.000#	100.0#	0#	-1.26#
6 TMP	Vinyl chloride	0.510	0.476	6.7	95	0.01
7 TMP	Bromomethane	0.432	0.000#	100.0#	0#	-1.58#
8 TMP	Chloroethane	0.229	0.000#	100.0#	0#	-1.65#
9 TMP	Trichlorofluoromethane	1.123	1.196	-6.5	100	0.01
10 TMP	2-Propanol	0.000	0.000	0.0	0#	-2.33#
11 TMP	Acetone	0.029	0.000#	100.0#	0#	-2.33#
12 TMP	1,1-Dichloroethene	0.285	0.279	2.1	95	0.00
13 TMP	Hexane	0.323	0.000#	100.0#	0#	-3.16#
14 TMP	Methylene chloride	0.289	0.000#	100.0#	0#	-2.68#
15 TMP	t-Butyl alcohol (TBA)	0.024	0.000#	100.0#	0#	-2.82#
16 TMP	Methyl t-butyl ether (MTBE)	0.666	0.662	0.6	100	0.00
17 TMP	trans-1,2-Dichloroethene	0.318	0.317	0.3	97	0.00
18 TMP	Diisopropyl ether (DIPE)	0.698	0.846	-21.2#	100	0.00
19 TMP	1,1-Dichloroethane	0.463	0.471	-1.7	100	0.00
20 TMP	Ethyl t-butyl ether (ETBE)	0.258	0.249	3.5	100	0.00
21 TMP	2,2-Dichloropropane	0.258	0.331	-28.3#	100	0.00
22 TMP	cis-1,2-Dichloroethene	0.333	0.338	-1.5	100	0.00
23 TMP	Chloroform	0.539	0.586	-8.7	100	0.01
24 TMP	2-Butanone (MEK)	0.132	0.205	-55.3#	102	0.01
25 TMP	t-Amyl methyl ether (TAME)	0.540	0.549	-1.7	100	0.00
26 TMP	1,2-Dichloroethane (EDC)	0.465	0.480	-3.2	104	0.00
27 TMP	1,1,1-Trichloroethane	0.482	0.471	2.3	100	0.00
28 TMP	1,1-Dichloropropene	0.370	0.396	-7.0	100	0.00
29 TMP	Carbon tetrachloride	0.485	0.520	-7.2	100	0.00
30 S	1,2-Dichloroethane-d4	0.062	0.065	-4.8	100	0.00
31 TMP	Benzene	1.118	1.157	-3.5	100	0.00
32 TMP	Trichloroethene	0.367	0.361	1.6	96	0.00
33 TMP	1,2-Dichloropropane	0.241	0.312	-29.5#	100	0.00
34 TMP	Bromodichloromethane	0.387	0.348	10.1	100	0.00
35 S	Toluene-d8	0.954	0.930	2.5	100	0.00
36 TMP	Dibromomethane	0.219	0.269	-22.8#	100	0.00
37 TMP	4-Methyl-2-pentanone	0.042	0.039	7.1	100	0.00
38 TMP	cis-1,3-Dichloropropene	0.360	0.378	-5.0	100	0.00
39 I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40 TMP	Toluene	0.907	0.916	-1.0	100	0.00
41 TMP	trans-1,3-Dichloropropene	0.366	0.479	-30.9#	100	0.00
42 TMP	1,1,2-Trichloroethane	0.285	0.285	0.0	100	0.00
43 TMP	2-Hexanone	0.190	0.206	-8.4	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110509.D
 Acq On : 05 Nov 2022 12:44 pm
 Operator : VM
 Sample : 0.2 ppb 8260 ICAL 67-177I
 Misc : soil/water
 ALS Vial : 5 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:15 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.457	0.569	-24.5#	100	-0.01
45 TMP Tetrachloroethene	0.460	0.439	4.6	100	0.00
46 TMP Dibromochloromethane	0.451	0.597	-32.4#	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	0.360	0.342	5.0	100	0.00
48 TMP Chlorobenzene	0.993	1.058	-6.5	100	0.00
49 TMP Ethylbenzene	1.557	1.540	1.1	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.387	0.385	0.5	100	0.00
51 TMP m,p-Xylene	0.612	0.592	3.3	100	0.00
52 TMP o-Xylene	0.591	0.573	3.0	100	0.00
53 TMP Styrene	0.887	0.961	-8.3	100	0.00
54 TMP Isopropylbenzene	1.435	1.463	-2.0	100	0.00
55 TMP Bromoform	0.299	0.300	-0.3	100	0.00
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	0.689	0.723	-4.9	100	0.00
58 TMP n-Propylbenzene	2.700	2.749	-1.8	100	0.00
59 TMP Bromobenzene	0.837	0.982	-17.3	100	0.00
60 TMP 1,3,5-Trimethylbenzene	1.968	2.027	-3.0	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.626	0.827	-32.1#	100	0.00
62 TMP 1,2,3-Trichloropropane	0.486	0.573	-17.9	100	0.00
63 TMP 2-Chlorotoluene	1.617	1.744	-7.9	100	0.00
64 TMP 4-Chlorotoluene	1.912	2.246	-17.5	100	0.00
65 TMP tert-Butylbenzene	1.952	2.127	-9.0	100	0.00
66 TMP 1,2,4-Trimethylbenzene	1.996	2.025	-1.5	100	0.00
67 TMP sec-Butylbenzene	2.624	2.706	-3.1	100	0.00
68 TMP p-Isopropyltoluene	2.387	2.232	6.5	100	0.00
69 TMP 1,3-Dichlorobenzene	1.530	1.761	-15.1	100	0.00
70 TMP 1,4-Dichlorobenzene	1.564	1.879	-20.1#	100	0.00
71 TMP 1,2-Dichlorobenzene	1.455	1.614	-10.9	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	0.108	0.000#	100.0#	0#	-10.78#
73 TMP 1,2,4-Trichlorobenzene	0.971	1.104	-13.7	100	0.00
74 TMP Hexachlorobutadiene	0.600	0.687	-14.5	100	0.00
75 TMP Naphthalene	1.833	1.648	10.1	100	0.00
76 TMP 1,2,3-Trichlorobenzene	0.846	0.778	8.0	100	0.00

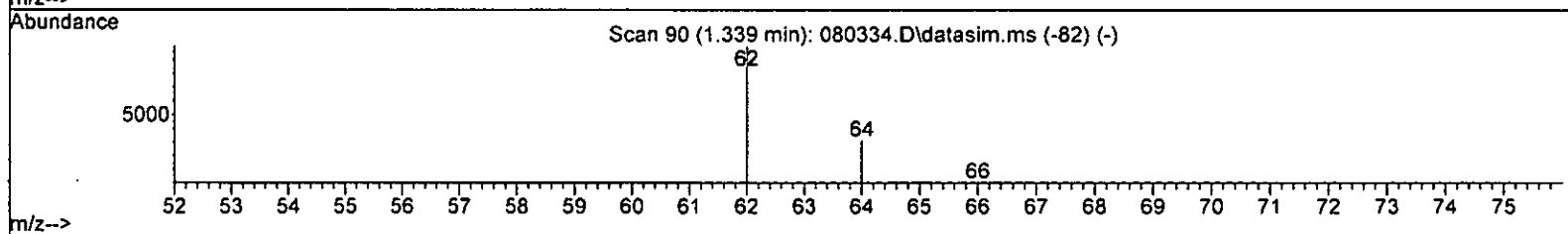
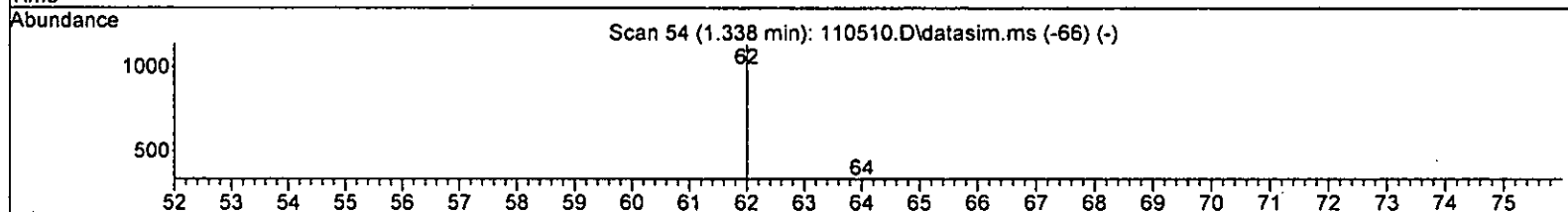
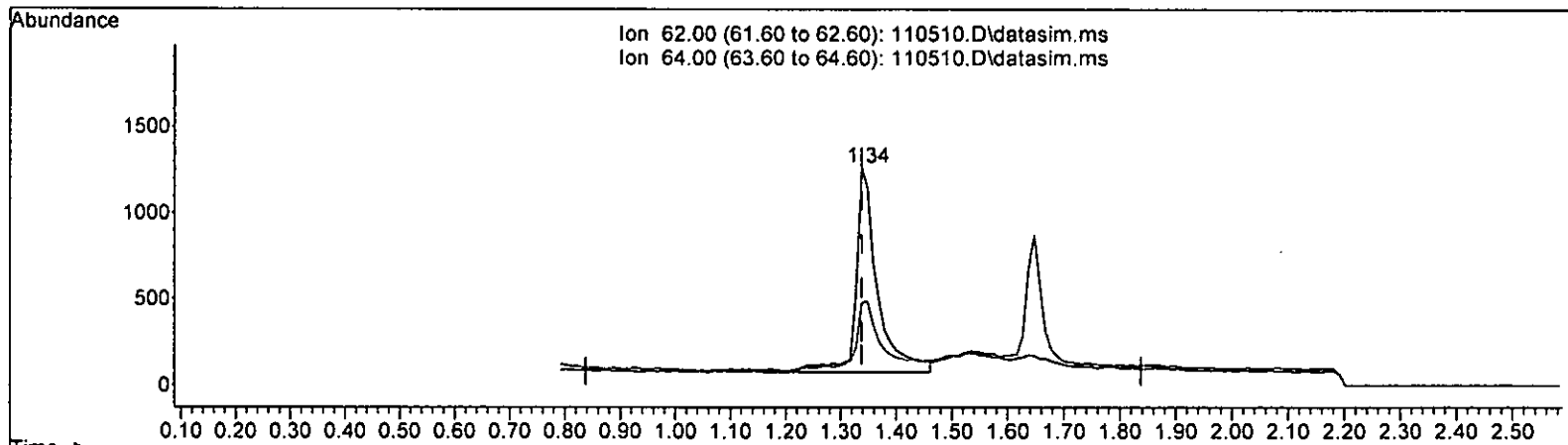
(#) = Out of Range

SPCC's out = 10 CCC's out = 0

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110510.D
 Acq On : 05 Nov 2022 01:07 pm
 Operator : VM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:17 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110510.D\data.ms

(6) Vinyl chloride (TMP)

1.338min (+ 0.000) 0.555 ppb

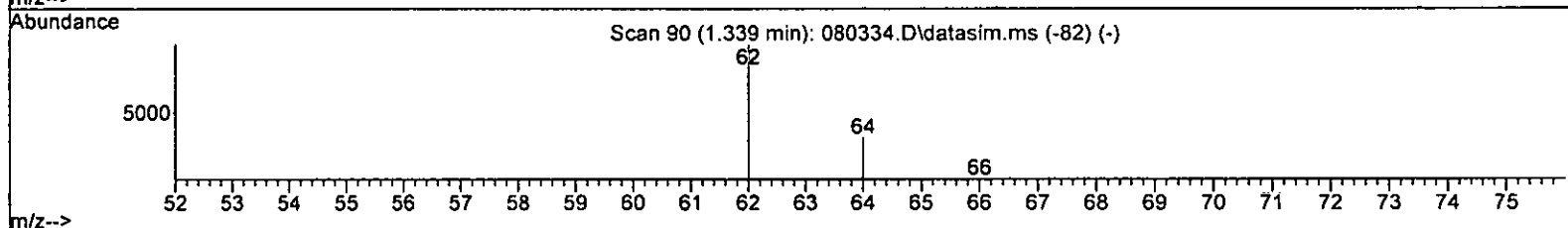
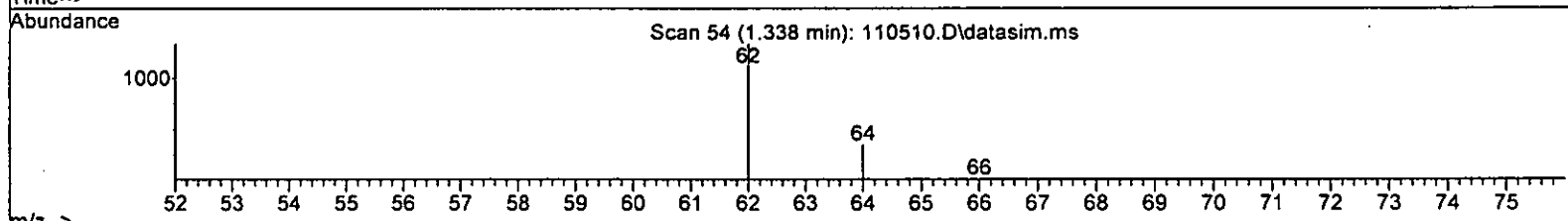
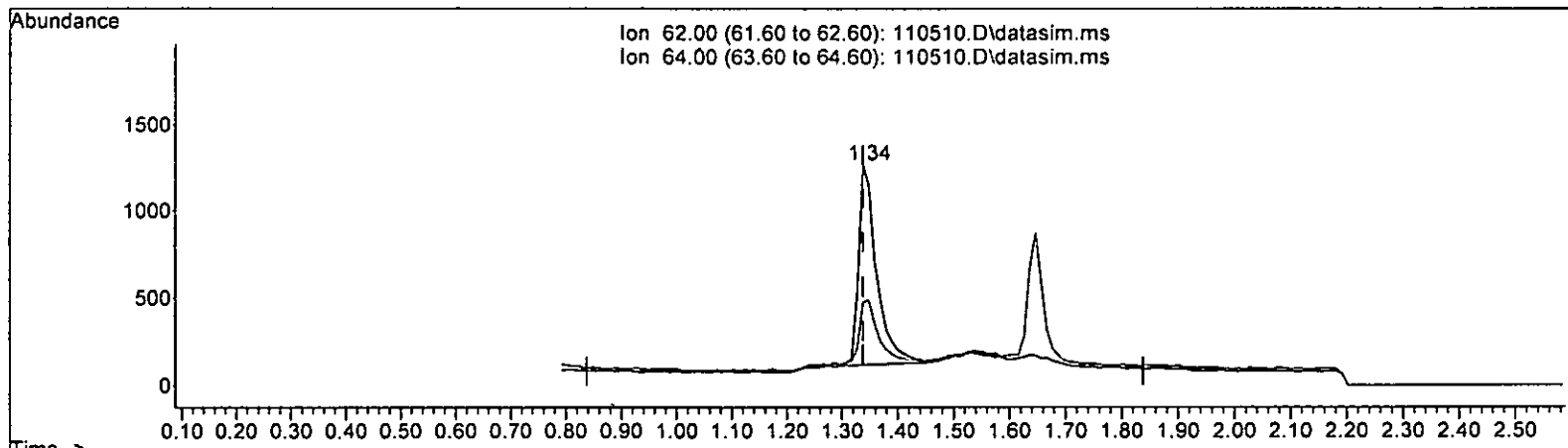
response 3158

Ion	Exp%	Act%
62.00	100.00	100.00
64.00	34.40	32.61
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110510.D
 Acq On : 05 Nov 2022 01:07 pm
 Operator : VM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:17 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110510.D\data.ms

(6) Vinyl chloride (TMP)

1.338min (+ 0.000) 0.451 ppb m

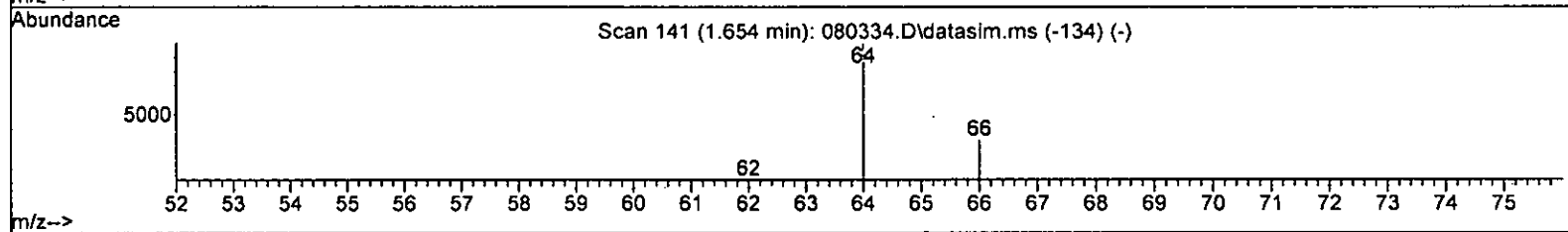
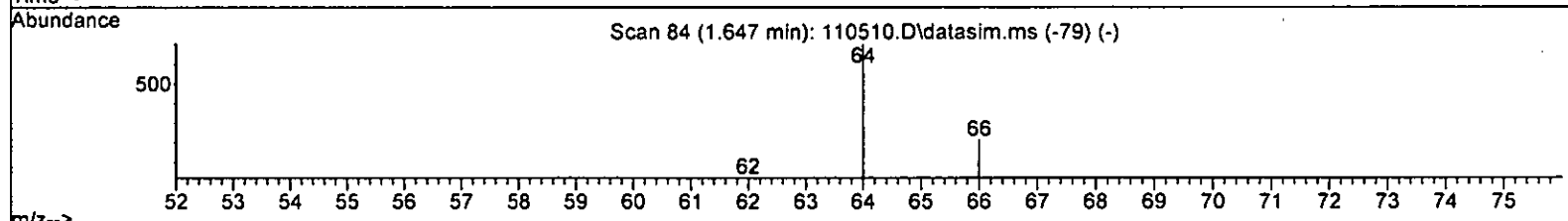
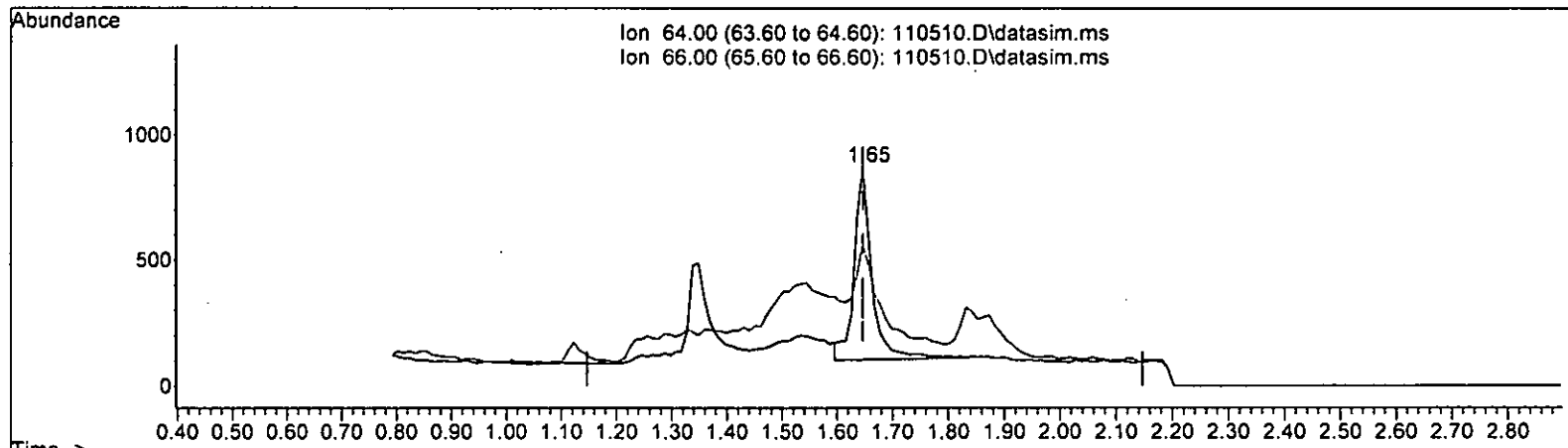
response 2566

Ion	Exp%	Act%
62.00	100.00	100.00
64.00	34.40	37.62
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110510.D
 Acq On : 05 Nov 2022 01:07 pm
 Operator : VM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:17 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110510.D\data.ms

(8) Chloroethane (TMP)

1.647min (-0.000) 0.654 ppb

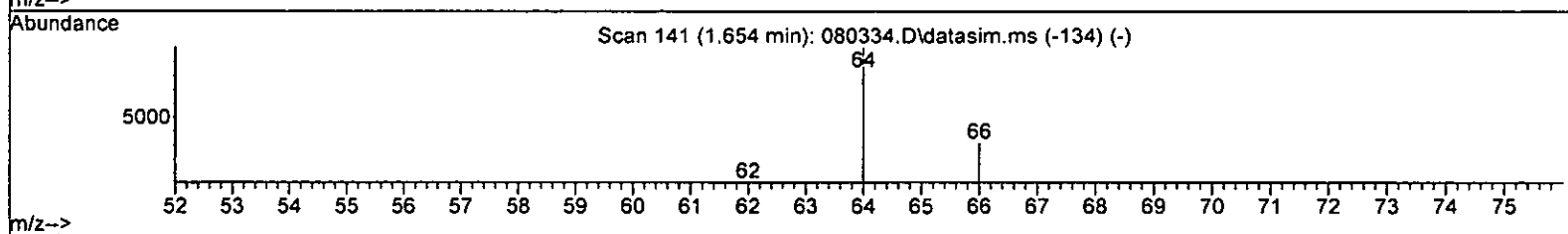
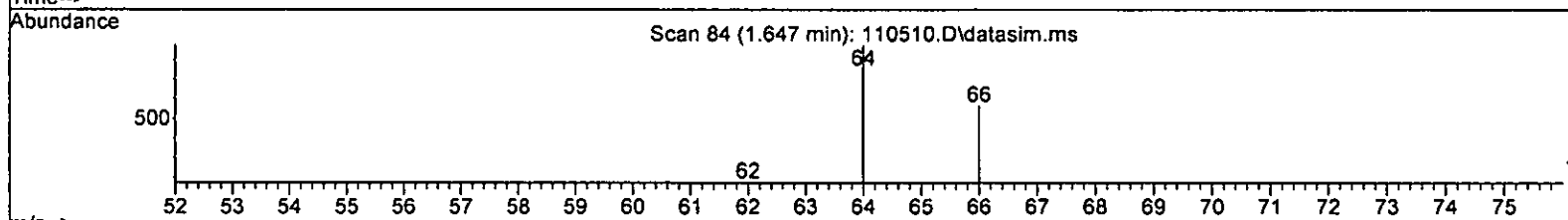
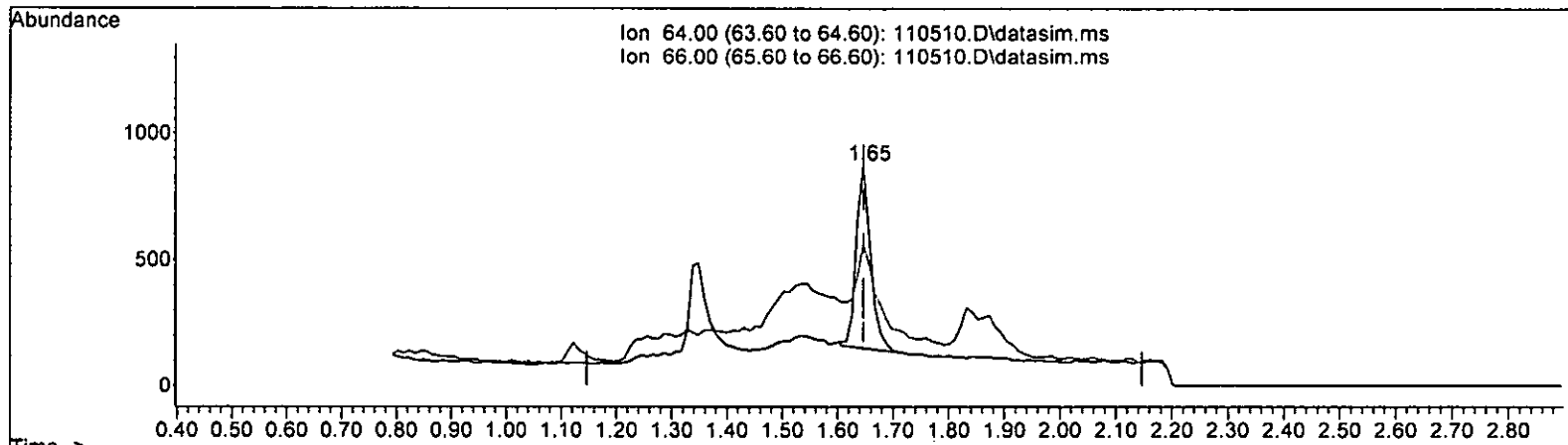
response 1669

Ion	Exp%	Act%
64.00	100.00	100.00
66.00	30.90	33.07
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110510.D
 Acq On : 05 Nov 2022 01:07 pm
 Operator : VM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:17 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110510.D\data.ms

(8) Chloroethane (TMP)

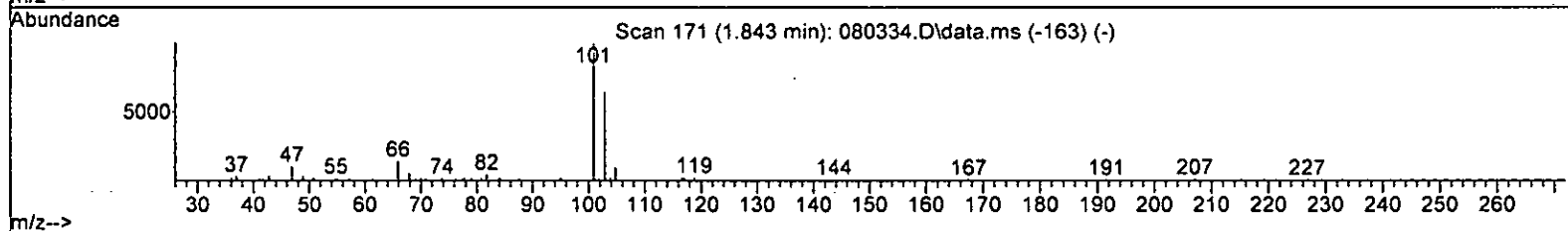
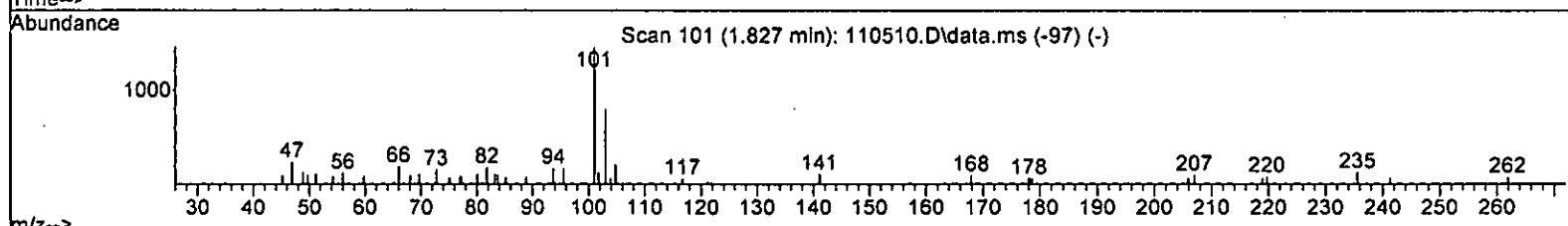
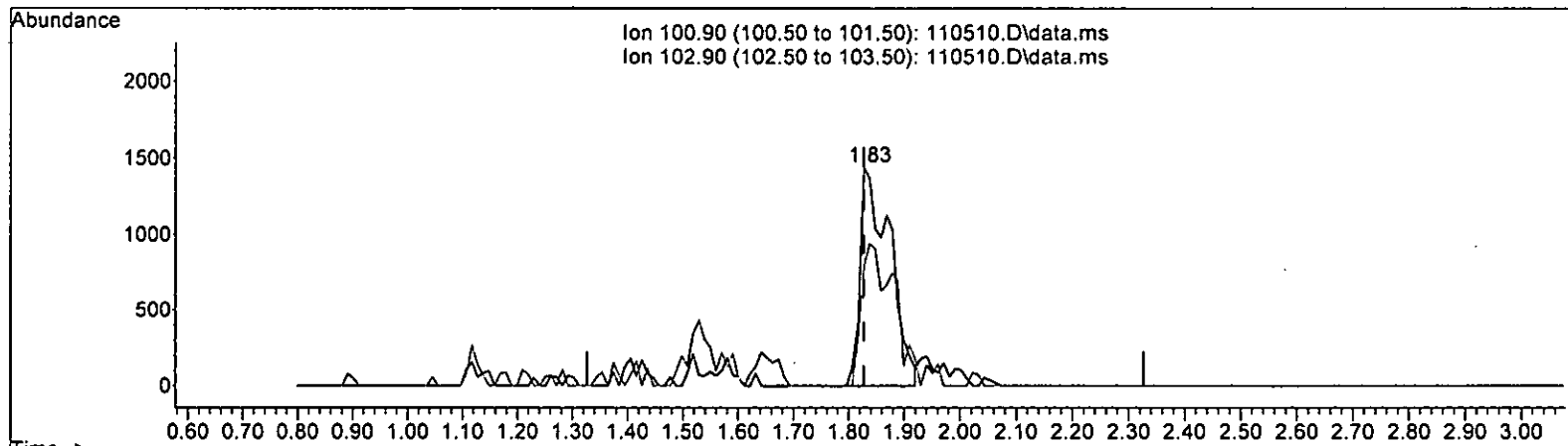
1.647min (-0.000) 0.504 ppb m

response	1286	
Ion	Exp%	Act%
64.00	100.00	100.00
66.00	30.90	64.42#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110510.D
 Acq On : 05 Nov 2022 01:07 pm
 Operator : VM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:17 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



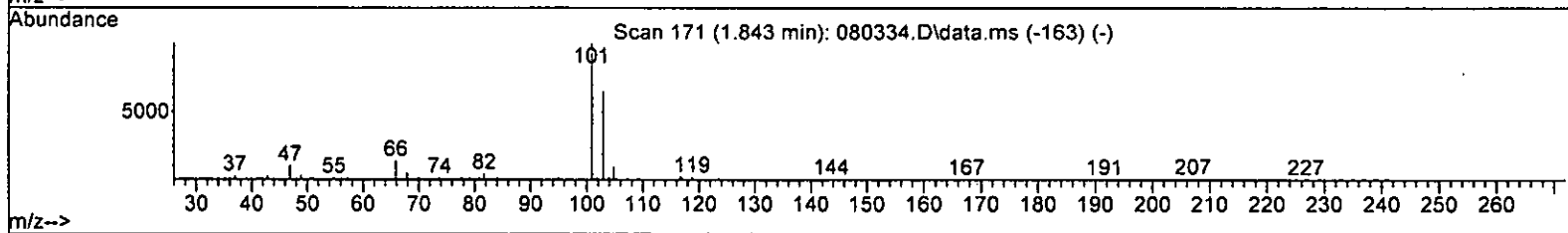
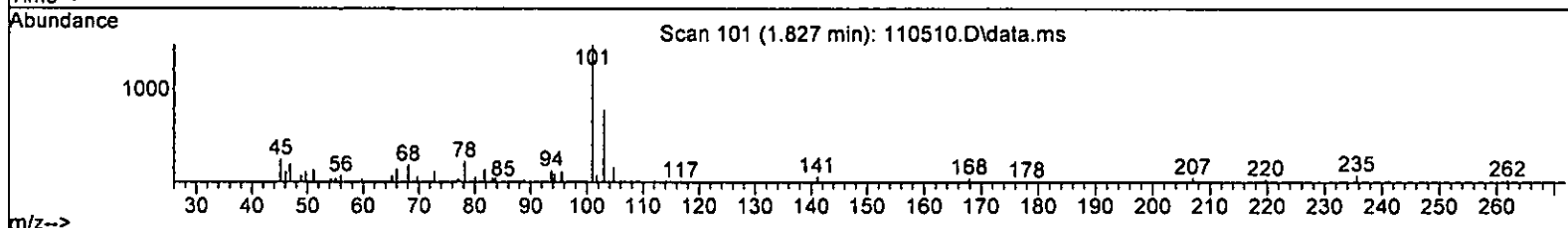
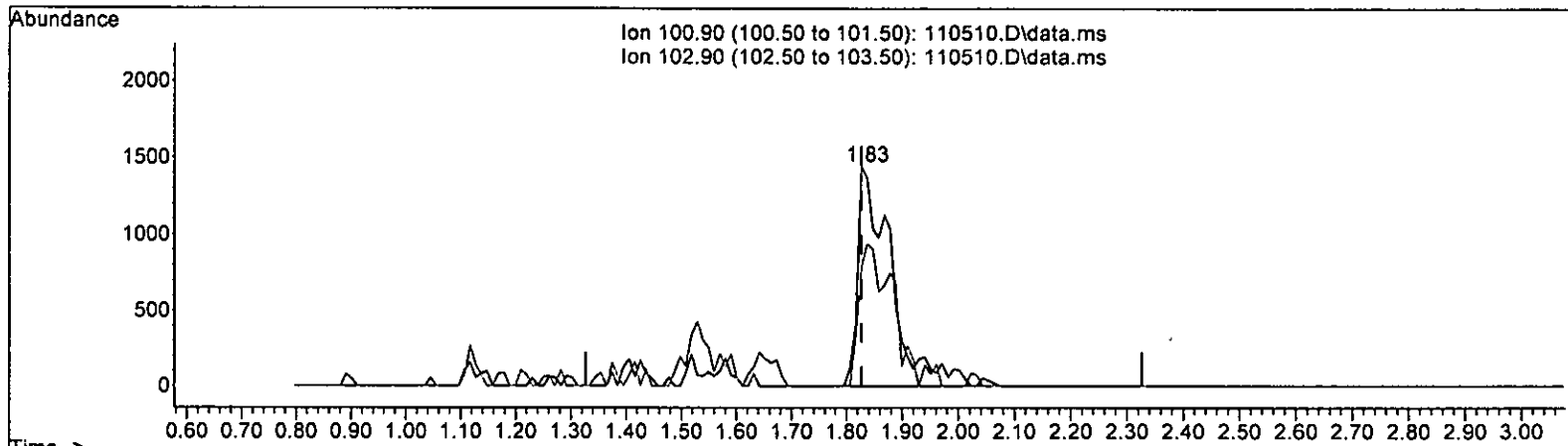
TIC: 110510.D\data.ms

(9) Trichlorofluoromethane (TMP)		
1.827min (-0.000)	0.426 ppb	
response	5341	
Ion	Exp%	Act%
100.90	100.00	100.00
102.90	65.30	54.74
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110510.D
 Acq On : 05 Nov 2022 01:07 pm
 Operator : VM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:17 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110510.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.827min (-0.000) 0.511 ppb m

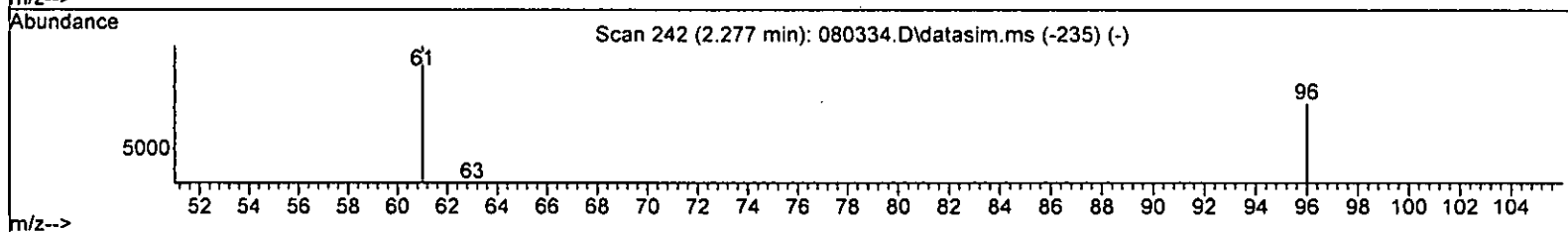
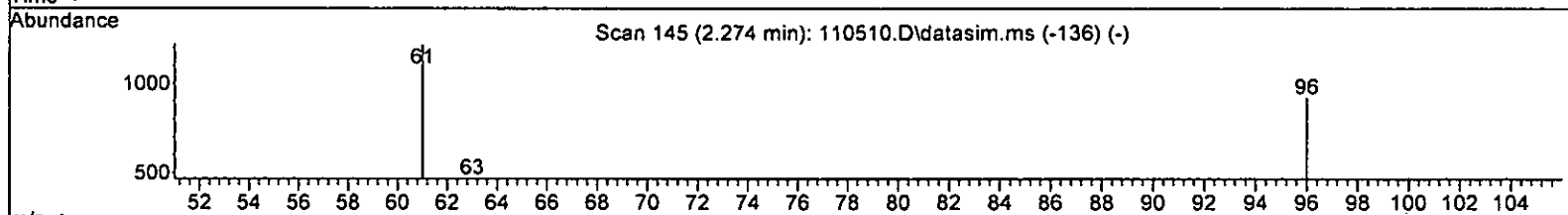
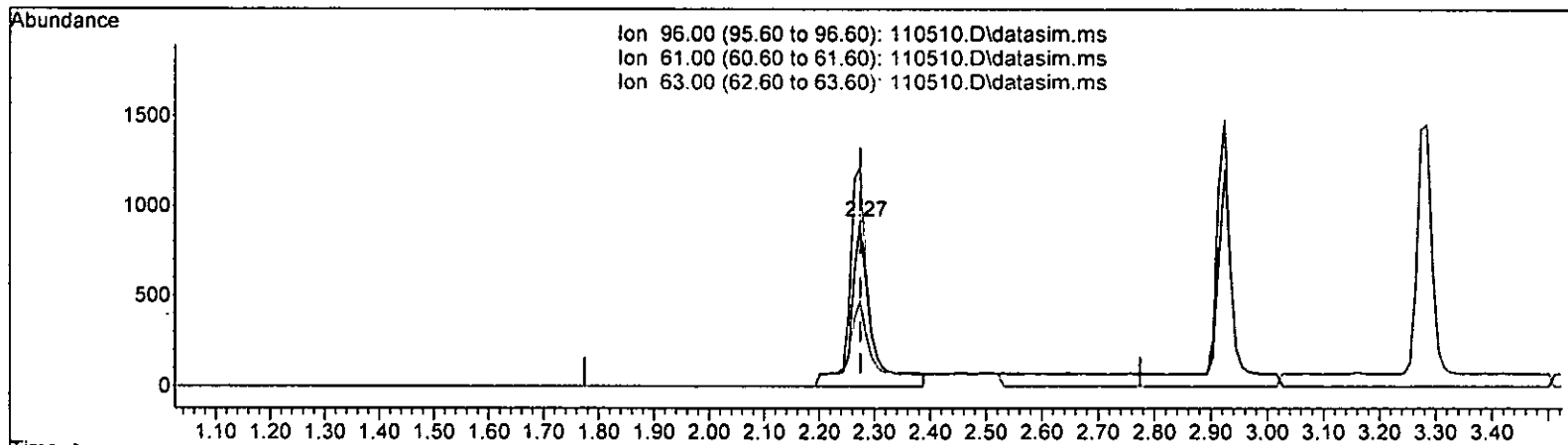
response 6405

Ion	Exp%	Act%
100.90	100.00	100.00
102.90	65.30	54.74
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110510.D
 Acq On : 05 Nov 2022 01:07 pm
 Operator : VM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:17 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110510.D\data.ms

(12) 1,1-Dichloroethene (TMP)

2.274min (-0.001) 0.721 ppb

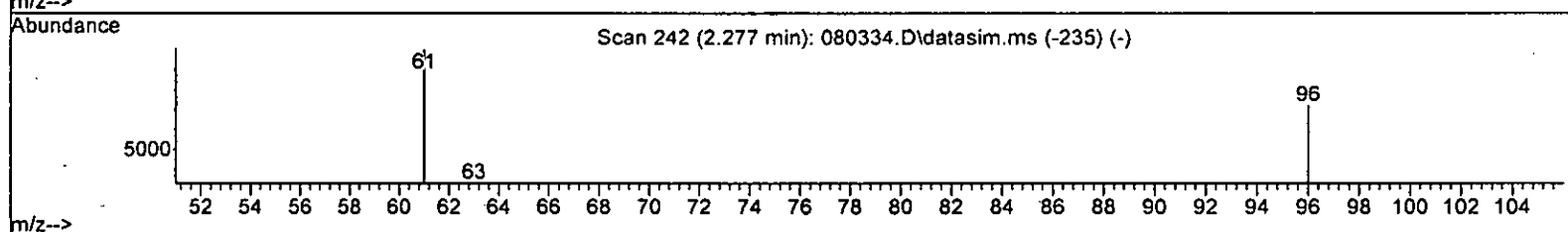
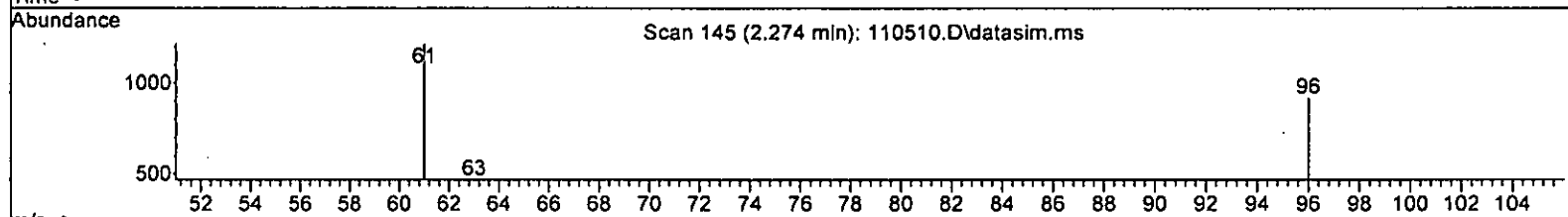
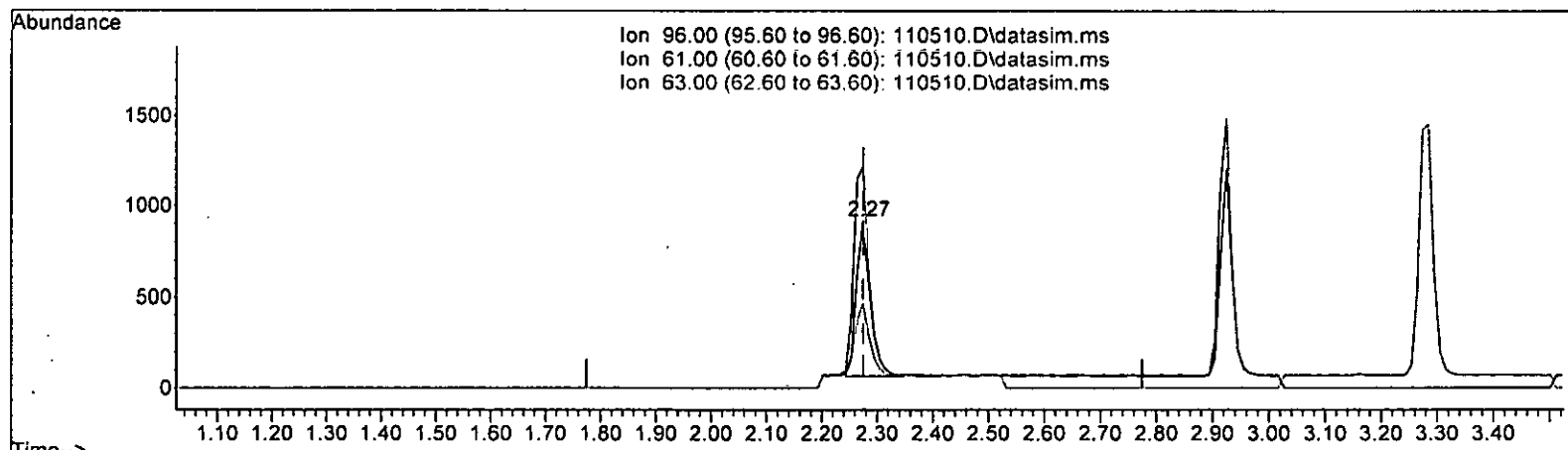
response 2292

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	120.90	132.72
63.00	43.90	50.93
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110510.D
 Acq On : 05 Nov 2022 01:07 pm
 Operator : VM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:17 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



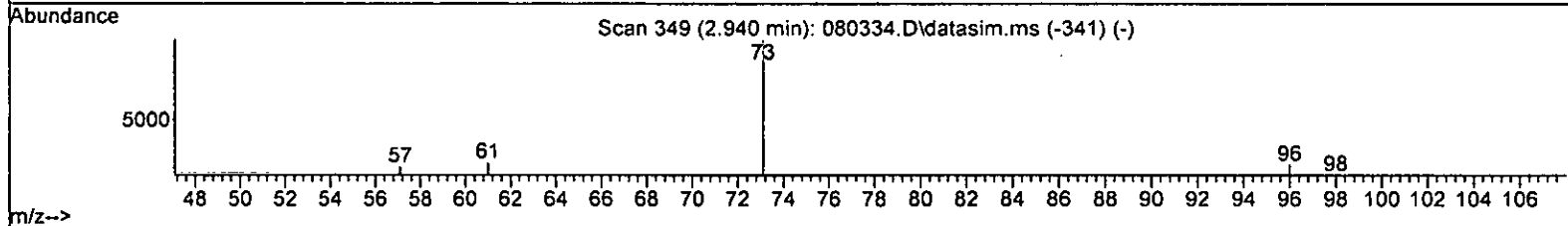
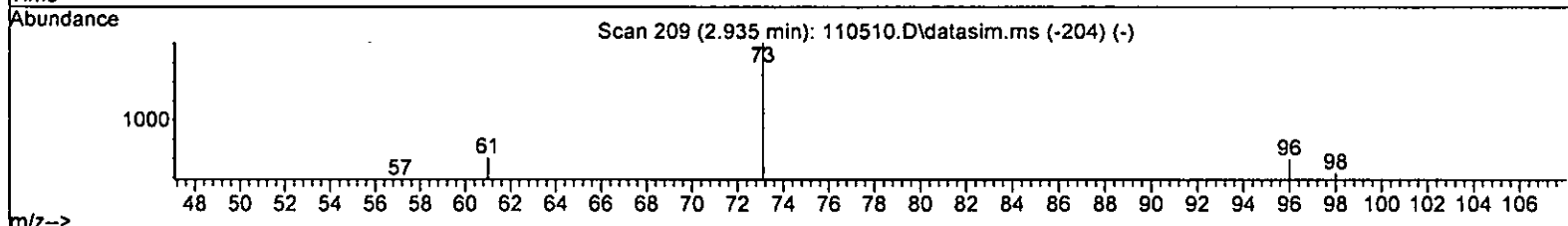
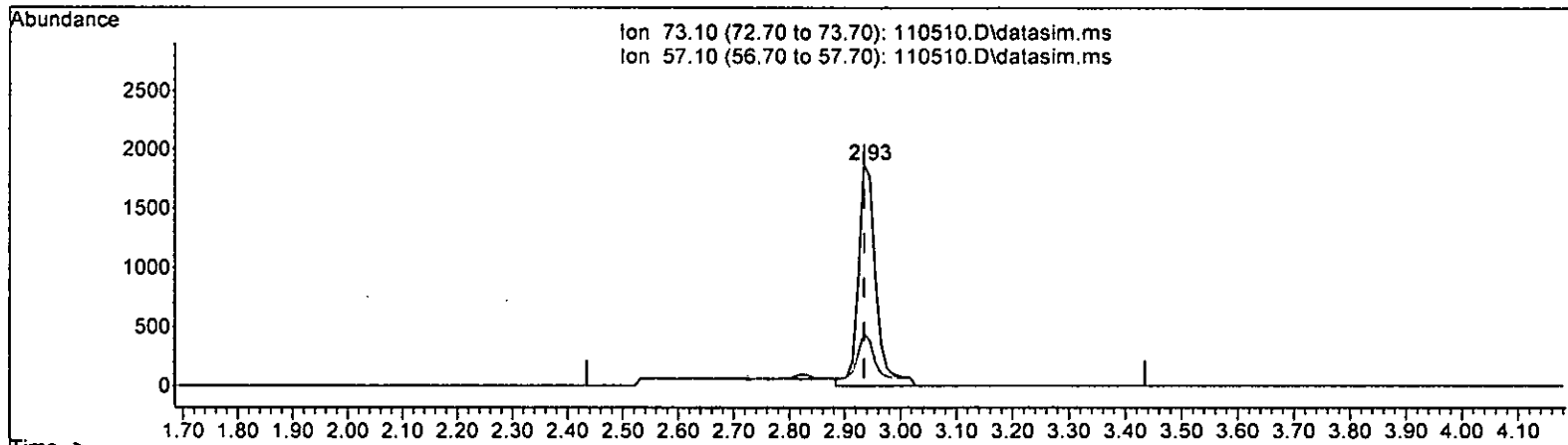
TIC: 110510.D\data.ms

(12)	1,1-Dichloroethene (TMP)	
2.274min (-0.001)	0.471 ppb m	
response	1498	
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	120.90	132.72
63.00	43.90	50.93
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110510.D
 Acq On : 05 Nov 2022 01:07 pm
 Operator : VM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:17 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110510.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

2.935min (-0.000) 0.550 ppb

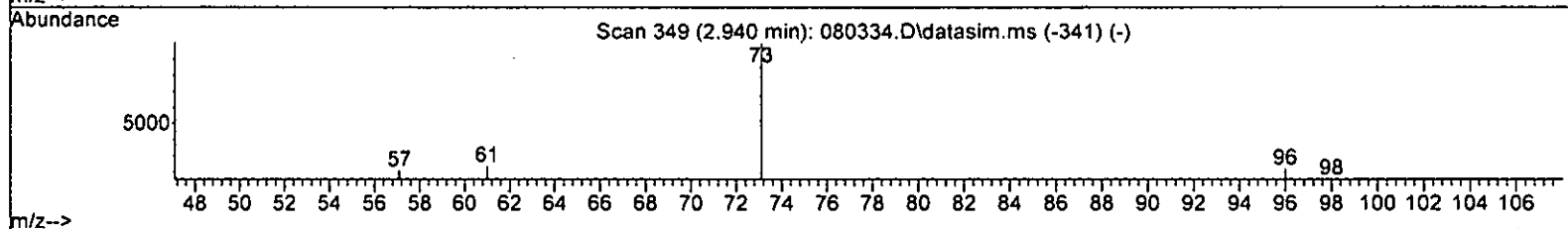
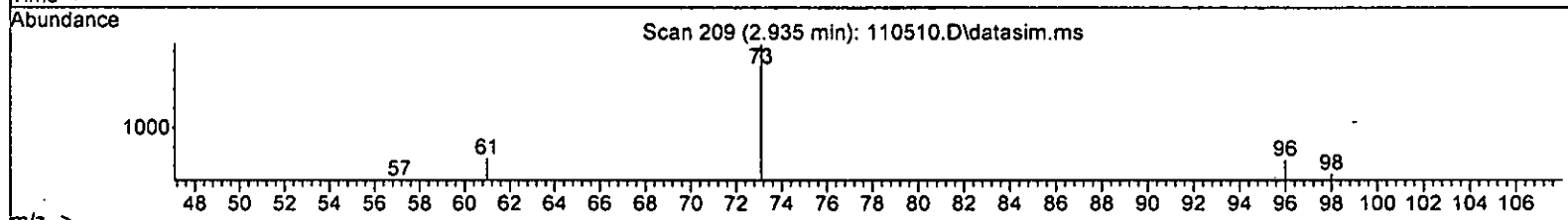
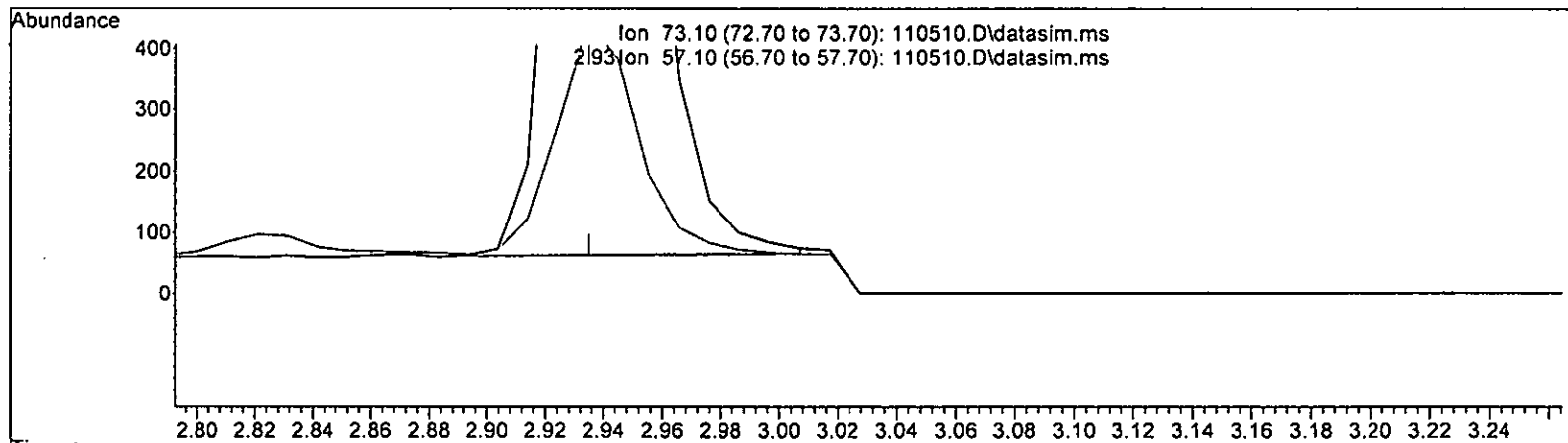
response 4087

Ion	Exp%	Act%
73.10	100.00	100.00
57.10	19.40	23.82
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110510.D
 Acq On : 05 Nov 2022 01:07 pm
 Operator : VM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:17 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110510.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

2.935min (-0.000) 0.482 ppb m

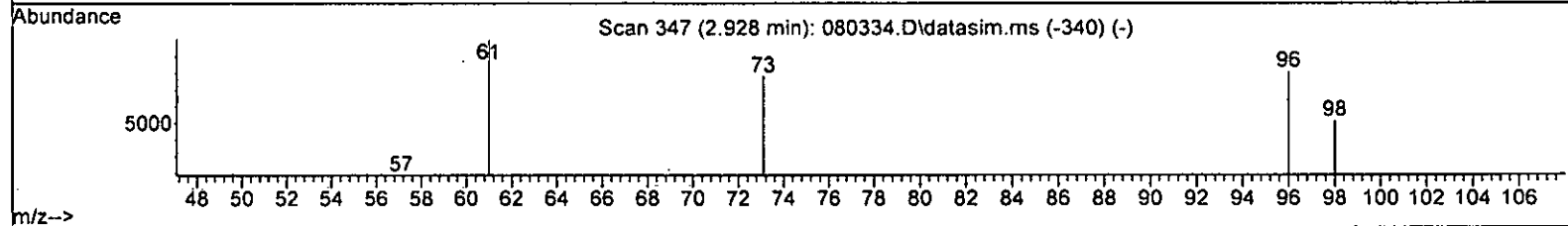
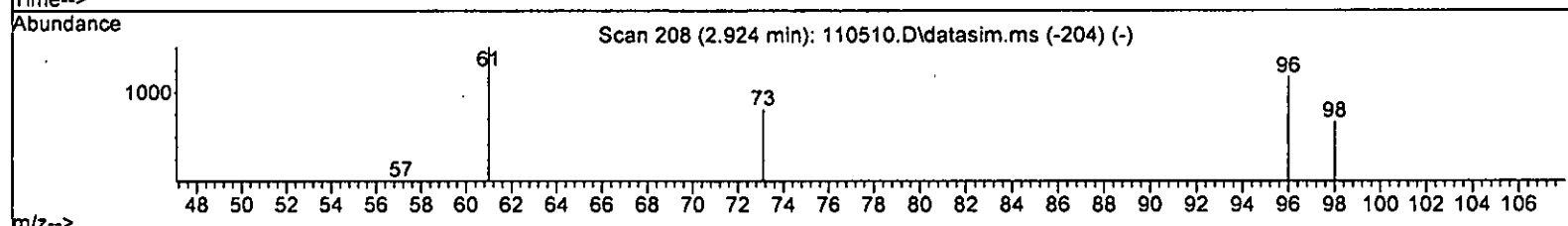
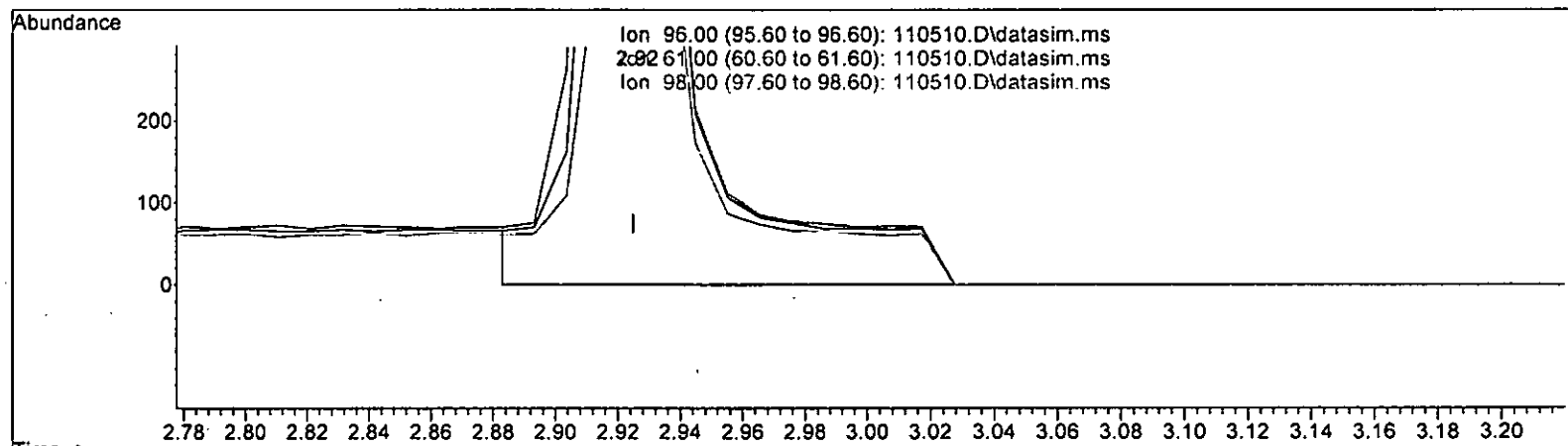
response 3577

Ion	Exp%	Act%
73.10	100.00	100.00
57.10	19.40	23.82
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110510.D
 Acq On : 05 Nov 2022 01:07 pm
 Operator : VM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:17 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110510.D\data.ms

(17) trans-1,2-Dichloroethene (TMP)

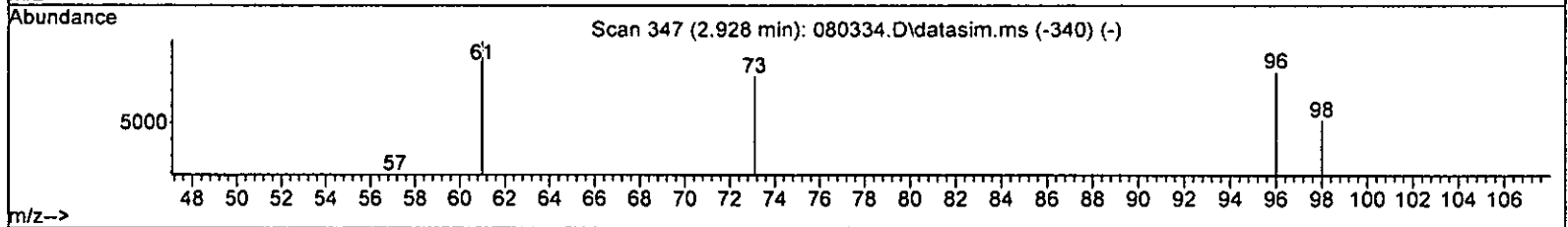
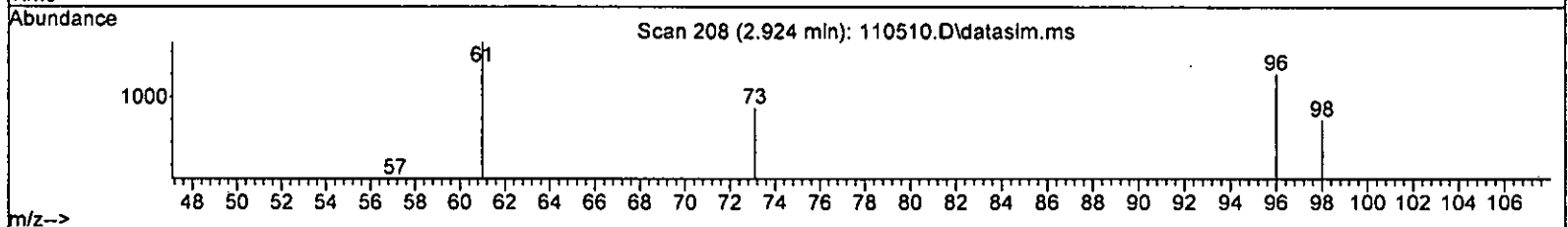
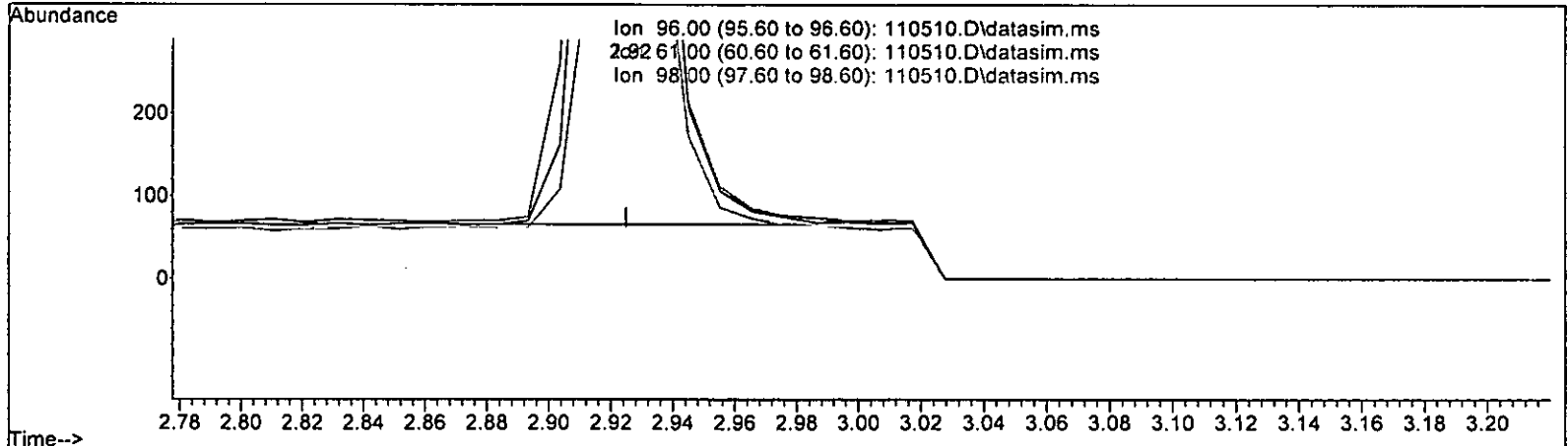
2.924min (-0.001) 0.617 ppb

response	2191	
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	108.70	123.04
98.00	67.30	66.06
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110510.D
 Acq On : 05 Nov 2022 01:07 pm
 Operator : VM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:17 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



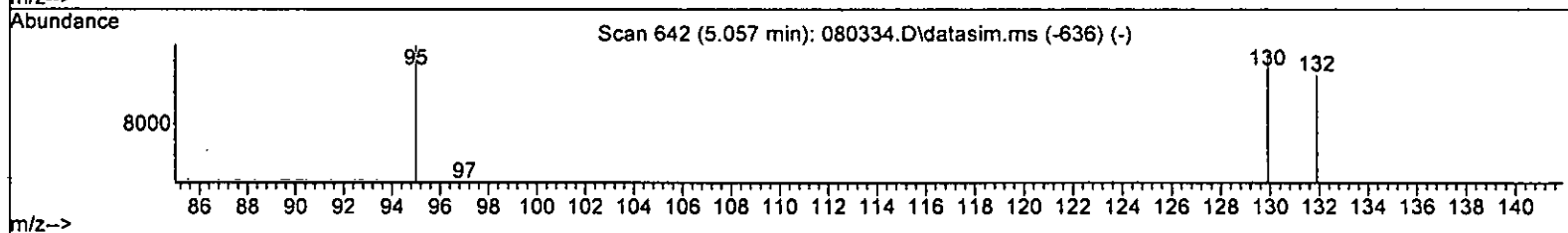
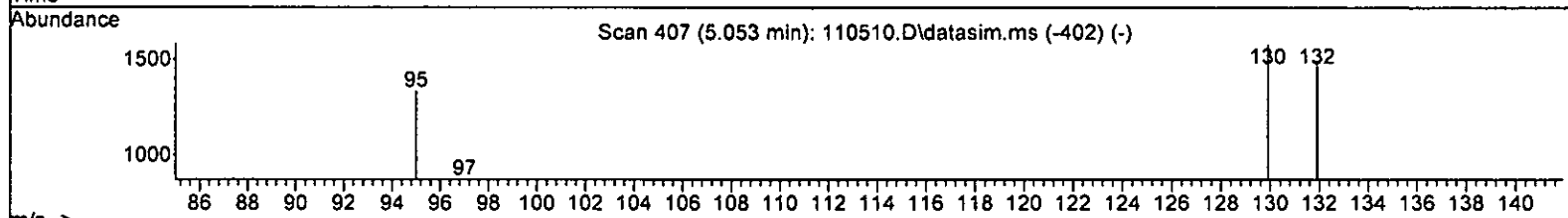
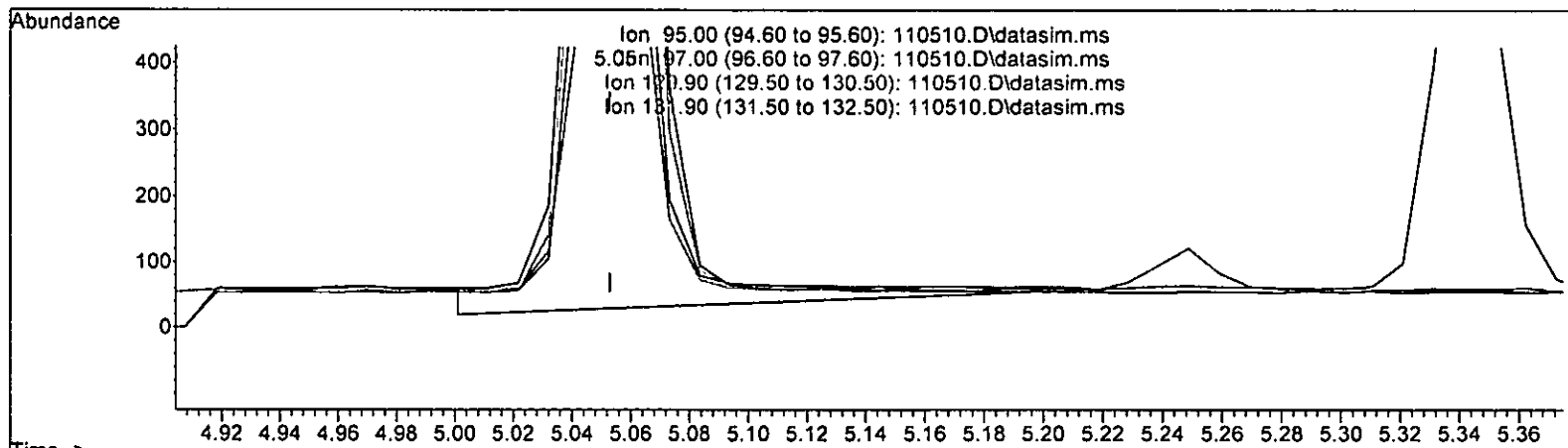
TIC: 110510.D\data.ms

(17) trans-1,2-Dichloroethene (TMP)			
2.924min (-0.001) 0.466 ppb m			
response	1656		
Ion	Exp%	Act%	
96.00	100.00	100.00	
61.00	108.70	123.04	
98.00	67.30	66.06	
0.00	0.00	0.00	

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110510.D
 Acq On : 05 Nov 2022 01:07 pm
 Operator : VM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:17 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



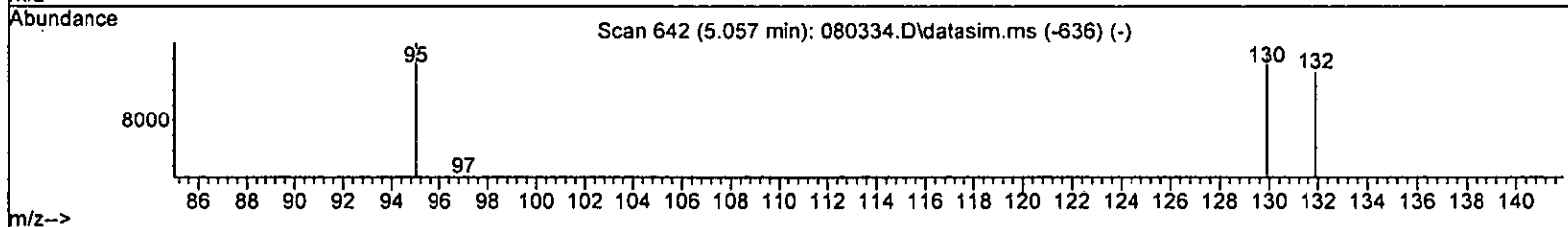
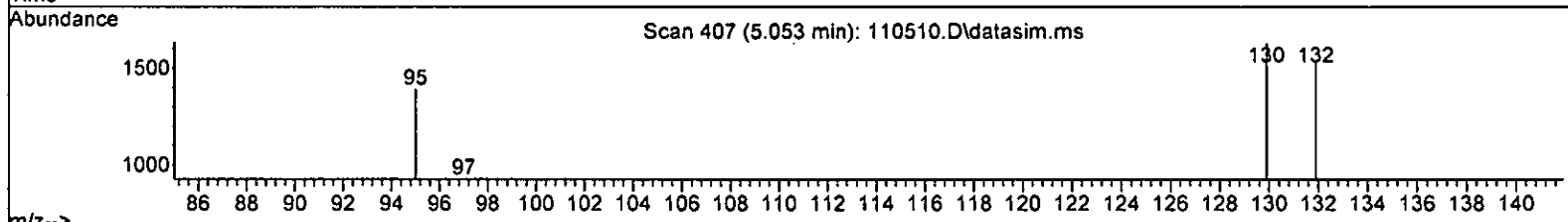
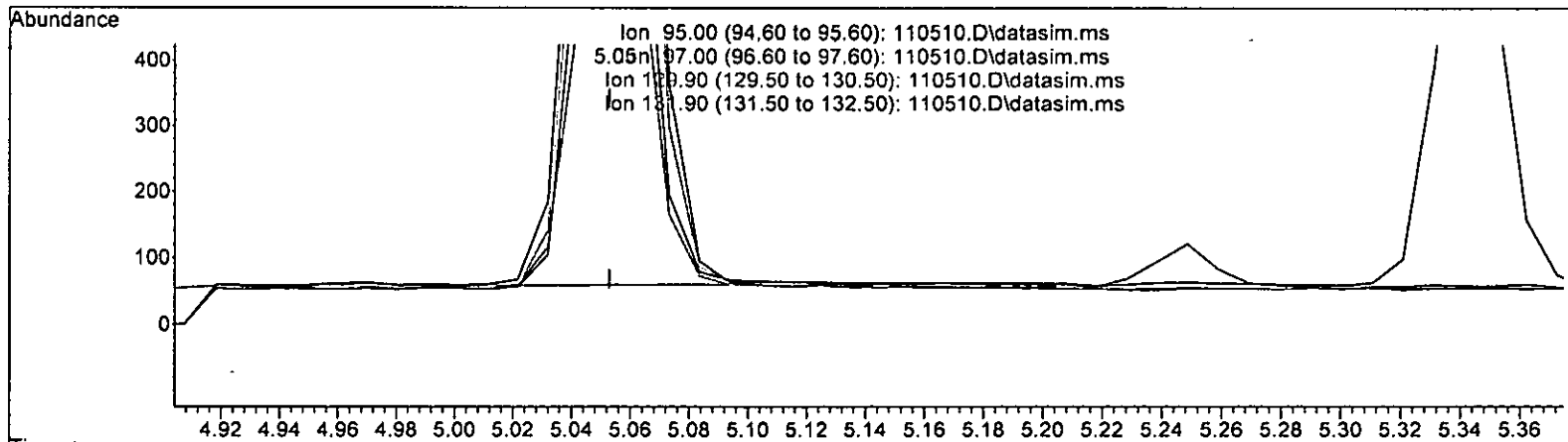
TIC: 110510.D\data.ms

(32) Trichloroethene (TME)		
5.053min (-0.000)	0.538 ppb	
response	2198	
Ion	Exp%	Act%
95.00	100.00	100.00
97.00	64.60	65.24
129.90	103.40	118.47
131.90	95.80	111.71

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110510.D
 Acq On : 05 Nov 2022 01:07 pm
 Operator : VM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:17 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110510.D\data.ms

(32) Trichloroethene (TMP)
 5.053min (-0.000) 0.468 ppb m
 response 1915

Ion	Exp%	Act%
95.00	100.00	100.00
97.00	64.60	66.62
129.90	103.40	117.41
131.90	95.80	110.94

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110510.D
 Acq On : 05 Nov 2022 01:07 pm
 Operator : VM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:17 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	4.75	96	111564	10.000	ppb	0.00	
39) Chlorobenzene-d5	7.40	117	90038	10.000	ppb	0.00	
56) 1,4-Dichlorobenzene-d4	9.62	152	50622	10.000	ppb	0.00	
System Monitoring Compounds							
3) Dibromofluoromethane	4.17	113	36119	10.096	ppb	0.00	
Spiked Amount	10.000	Range	50 - 150	Recovery	=	101.00%	
30) 1,2-Dichloroethane-d4	4.45	102	6567	9.472	ppb	0.00	
Spiked Amount	10.000	Range	84 - 120	Recovery	=	94.70%	
35) Toluene-d8	6.11	98	102563	9.639	ppb	0.00	
Spiked Amount	10.000	Range	73 - 128	Recovery	=	96.40%	
57) 4-Bromofluorobenzene	8.51	95	34829	9.985	ppb	0.00	
Spiked Amount	10.000	Range	57 - 146	Recovery	=	99.90%	
Target Compounds							
							Qvalue
2) Ethanol	2.31	45	242	No Calib			
4) Dichlorodifluoromethane	1.12	85	4960	0.556	ppb		95
5) Chloromethane	0.00		0	N.D.	d		
6] Vinyl chloride	1.34	62	2566m	0.451	ppb		
7) Bromomethane	0.00		0	N.D.	d		
8] Chloroethane	1.65	64	1286m	0.504	ppb		
9) Trichlorofluoromethane	1.83	101	6405m	0.511	ppb		
10] 2-Propanol	2.31	45	242	No Calib			
11) Acetone	2.33	58	1062	2.685	ppb		92
12] 1,1-Dichloroethene	2.27	96	1498m	0.471	ppb		
13) Hexane	0.00		0	N.D.	d		
14) Methylene chloride	0.00		0	N.D.	d		
15) t-Butyl alcohol (TBA)	0.00		0	N.D.	d		
16] Methyl t-butyl ether (...)	2.93	73	3577m	0.482	ppb		
17] trans-1,2-Dichloroethene	2.92	96	1656m	0.466	ppb		
18) Diisopropyl ether (DIPE)	3.35	45	3909	0.502	ppb		91
19] 1,1-Dichloroethane	3.28	63	2472	0.478	ppb		93
20] Ethyl t-butyl ether (E...)	3.66	87	1617	0.563	ppb	#	84
21) 2,2-Dichloropropane	3.77	77	1440	0.505	ppb		91
22] cis-1,2-Dichloroethene	3.77	96	1785	0.480	ppb		95
23) Chloroform	4.04	83	3271	0.544	ppb		93
24) 2-Butanone (MEK)	3.79	43	3644	2.364	ppb		93
25) t-Amyl methyl ether (T...)	4.61	73	2774	0.460	ppb		90
26] 1,2-Dichloroethane (EDC)	4.53	62	2459	0.505	ppb		96
27] 1,1,1-Trichloroethane	4.19	97	2484	0.462	ppb		92
28) 1,1-Dichloropropene	4.33	75	2049	0.490	ppb		87
29) Carbon tetrachloride	4.33	117	2913	0.538	ppb		74
31] Benzene	4.50	78	6008	0.482	ppb		98
32] Trichloroethene	5.05	95	1915m	0.468	ppb		
33) 1,2-Dichloropropane	5.24	63	1246	0.464	ppb		91
34) Bromodichloromethane	5.48	83	2208	0.512	ppb		87
36) Dibromomethane	5.35	93	1413	0.577	ppb		93

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110510.D
 Acq On : 05 Nov 2022 01:07 pm
 Operator : VM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS13

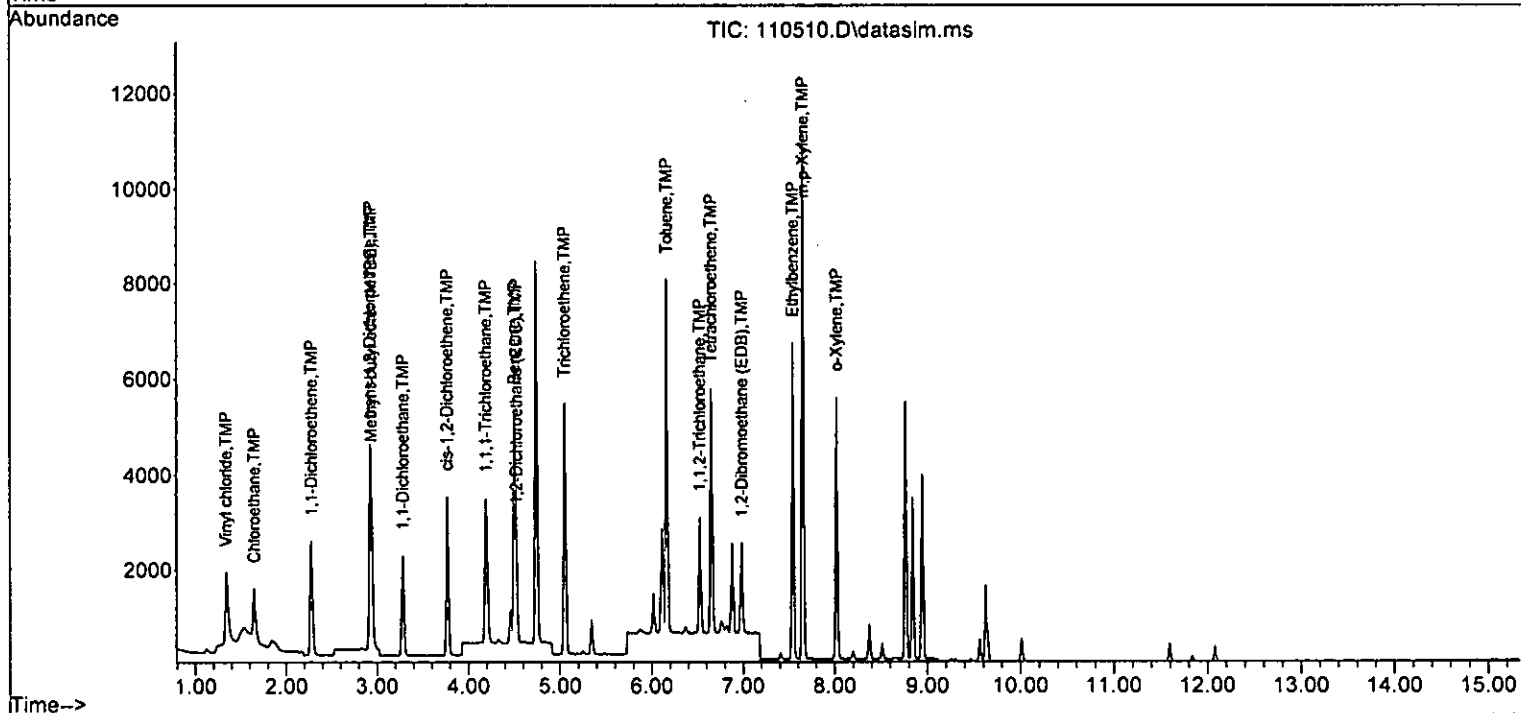
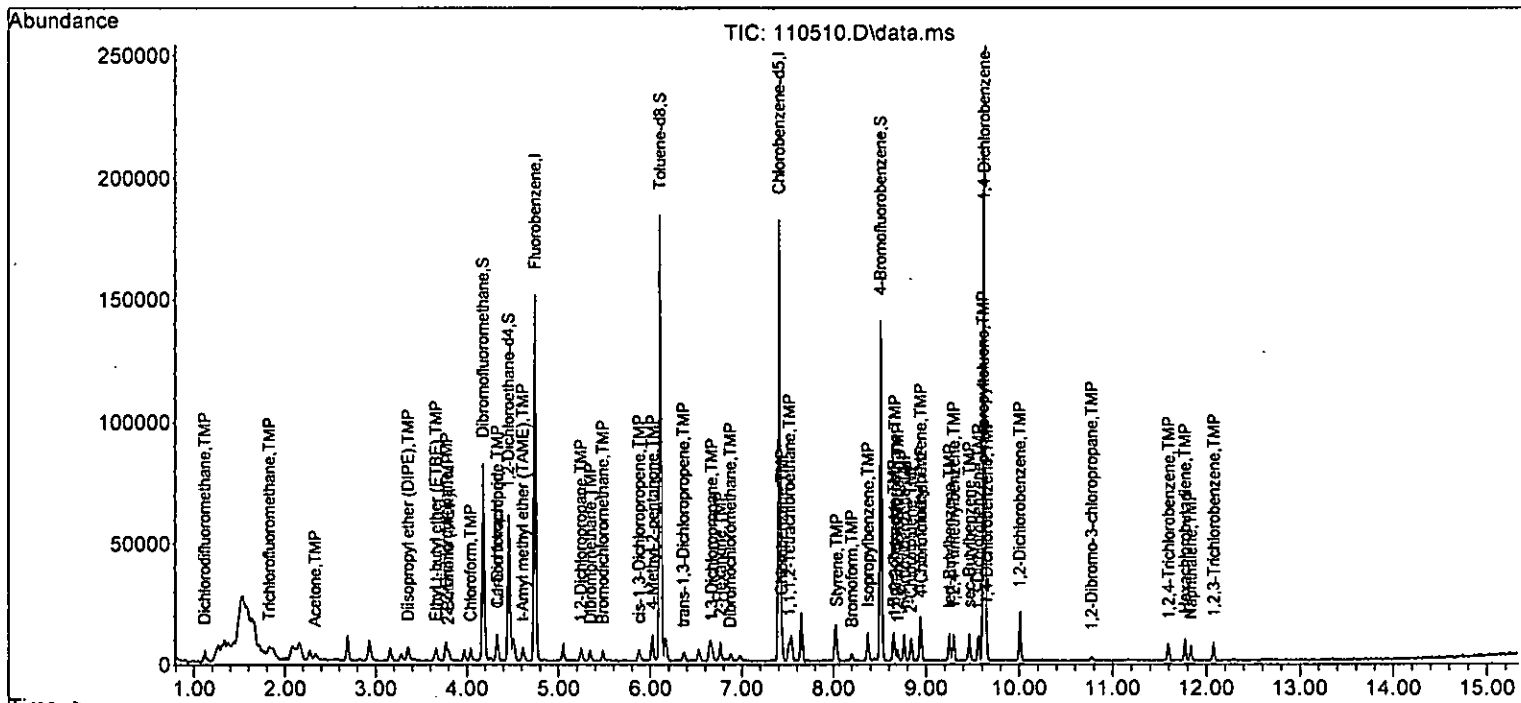
Quant Time: Nov 07 15:17:17 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	6.02	85	1234	2.607	ppb	92
38) cis-1,3-Dichloropropene	5.88	75	1991	0.496	ppb	75
40] Toluene	6.16	92	3797	0.510	ppb	97
41) trans-1,3-Dichloropropene	6.36	75	1400	0.451	ppb	80
42] 1,1,2-Trichloroethane	6.53	83	1209	0.505	ppb	94
43) 2-Hexanone	6.76	43	4462	2.614	ppb	91
44) 1,3-Dichloropropane	6.67	76	2024	0.492	ppb	96
45] Tetrachloroethene	6.65	164	1919	0.522	ppb	97
46) Dibromochloromethane	6.87	129	1798	0.440	ppb	94
47] 1,2-Dibromoethane (EDB)	6.98	107	1474	0.455	ppb	97
48) Chlorobenzene	7.43	112	4834	0.541	ppb	94
49] Ethylbenzene	7.54	91	6733	0.480	ppb	96
50] 1,1,1,2-Tetrachloroethane	7.52	131	1772	0.509	ppb	91
51] m,p-Xylene	7.65	106	5123	0.930	ppb	93
52] o-Xylene	8.02	106	2479	0.466	ppb	92
53) Styrene	8.03	104	3761	0.471	ppb	99
54) Isopropylbenzene	8.37	105	5911	0.457	ppb	89
55) Bromoform	8.20	173	1341	0.498	ppb	92
58) n-Propylbenzene	8.77	91	6959	0.509	ppb	91
59) Bromobenzene	8.65	156	2039	0.481	ppb	91
60] 1,3,5-Trimethylbenzene	8.94	105	4779	0.480	ppb	88
61] 1,1,2,2-Tetrachloroethane	8.66	83	1676	0.471	ppb	97
62] 1,2,3-Trichloropropane	8.70	75	1478	0.600	ppb	87
63) 2-Chlorotoluene	8.84	91	4404	0.538	ppb	86
64) 4-Chlorotoluene	8.95	91	5220	0.539	ppb	90
65) tert-Butylbenzene	9.25	119	4875	0.493	ppb	91
66) 1,2,4-Trimethylbenzene	9.30	105	4680	0.463	ppb	83
67) sec-Butylbenzene	9.46	105	6241	0.470	ppb	89
68) p-Isopropyltoluene	9.61	119	5572	0.461	ppb	91
69) 1,3-Dichlorobenzene	9.56	146	3918	0.506	ppb	94
70] 1,4-Dichlorobenzene	9.65	146	3747	0.473	ppb	92
71] 1,2-Dichlorobenzene	10.01	146	3473	0.472	ppb	98
72] 1,2-Dibromo-3-chloropr...	10.77	75	298	0.546	ppb #	73
73) 1,2,4-Trichlorobenzene	11.60	180	2240	0.456	ppb	98
74) Hexachlorobutadiene	11.77	225	1571	0.517	ppb	91
75) Naphthalene	11.83	128	4029	0.509	ppb	89
76) 1,2,3-Trichlorobenzene	12.08	180	1986	0.464	ppb	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110510.D
 Acq On : 05 Nov 2022 01:07 pm
 Operator : VM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:17 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110510.D
 Acq On : 05 Nov 2022 01:07 pm
 Operator : VM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:17 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I Fluorobenzene	10.000	10.000	0.0	100	0.00
2 TMP Ethanol	-1.000	0.000	0.0	0	-0.02
3 S Dibromofluoromethane	10.000	10.096	-1.0	100	0.00
4 TMP Dichlorodifluoromethane	0.500	0.556	-11.2	100	0.00
5 TMP Chloromethane	-1.000	0.000	0.0	0	-1.26#
6 TMP Vinyl chloride	0.500	0.451	9.8	96	0.00
7 TMP Bromomethane	-1.000	0.000	0.0	0	-1.58#
8 TMP Chloroethane	0.500	0.504	-0.8	109	0.00
9 TMP Trichlorofluoromethane	0.500	0.511	-2.2	120	0.00
10 TMP 2-Propanol	-1.000	0.000	0.0	0	-0.02
11 TMP Acetone	2.500	2.685	-7.4	100	0.00
12 TMP 1,1-Dichloroethene	0.500	0.471	5.8	100	0.00
13 TMP Hexane	-1.000	0.000	0.0	0	-3.16#
14 TMP Methylene chloride	-1.000	0.000	0.0	0	-2.68#
15 TMP t-Butyl alcohol (TBA)	-1.000	0.000	0.0	0	-2.82#
16 TMP Methyl t-butyl ether (MTBE)	0.500	0.482	3.6	101	0.00
17 TMP trans-1,2-Dichloroethene	0.500	0.466	6.8	97	0.00
18 TMP Diisopropyl ether (DIPE)	0.500	0.502	-0.4	100	0.00
19 TMP 1,1-Dichloroethane	0.500	0.478	4.4	100	0.00
20 TMP Ethyl t-butyl ether (ETBE)	0.500	0.563	-12.6	100	0.00
21 TMP 2,2-Dichloropropane	0.500	0.505	-1.0	100	0.00
22 TMP cis-1,2-Dichloroethene	0.500	0.480	4.0	100	0.00
23 TMP Chloroform	0.500	0.544	-8.8	100	0.00
24 TMP 2-Butanone (MEK)	2.500	2.364	5.4	105	0.00
25 TMP t-Amyl methyl ether (TAME)	0.500	0.460	8.0	100	0.00
26 TMP 1,2-Dichloroethane (EDC)	0.500	0.505	-1.0	103	0.00
27 TMP 1,1,1-Trichloroethane	0.500	0.462	7.6	100	0.00
28 TMP 1,1-Dichloropropane	0.500	0.490	2.0	100	0.00
29 TMP Carbon tetrachloride	0.500	0.538	-7.6	100	0.00
30 S 1,2-Dichloroethane-d4	10.000	9.472	5.3	100	0.00
31 TMP Benzene	0.500	0.482	3.6	100	0.00
32 TMP Trichloroethene	0.500	0.468	6.4	100	0.00
33 TMP 1,2-Dichloropropane	0.500	0.464	7.2	100	0.00
34 TMP Bromodichloromethane	0.500	0.512	-2.4	100	0.00
35 S Toluene-d8	10.000	9.639	3.6	100	0.00
36 TMP Dibromomethane	0.500	0.577	-15.4	100	0.00
37 TMP 4-Methyl-2-pentanone	2.500	2.607	-4.3	104	0.00
38 TMP cis-1,3-Dichloropropene	0.500	0.496	0.8	100	0.00
39 I Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40 TMP Toluene	0.500	0.510	-2.0	100	0.00
41 TMP trans-1,3-Dichloropropene	0.500	0.451	9.8	100	0.00
42 TMP 1,1,2-Trichloroethane	0.500	0.505	-1.0	100	0.00
43 TMP 2-Hexanone	2.500	2.614	-4.6	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110510.D
 Acq On : 05 Nov 2022 01:07 pm
 Operator : VM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:17 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.500	0.492	1.6	100	-0.01
45 TMP Tetrachloroethene	0.500	0.522	-4.4	100	0.00
46 TMP Dibromochloromethane	0.500	0.440	12.0	100	-0.01
47 TMP 1,2-Dibromoethane (EDB)	0.500	0.455	9.0	100	0.00
48 TMP Chlorobenzene	0.500	0.541	-8.2	100	0.00
49 TMP Ethylbenzene	0.500	0.480	4.0	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.500	0.509	-1.8	100	0.00
51 TMP m,p-Xylene	1.000	0.930	7.0	100	0.00
52 TMP o-Xylene	0.500	0.466	6.8	100	0.00
53 TMP Styrene	0.500	0.471	5.8	100	0.00
54 TMP Isopropylbenzene	0.500	0.457	8.6	100	0.00
55 TMP Bromoform	0.500	0.498	0.4	100	0.00
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	10.000	9.985	0.2	100	0.00
58 TMP n-Propylbenzene	0.500	0.509	-1.8	100	0.00
59 TMP Bromobenzene	0.500	0.481	3.8	100	0.00
60 TMP 1,3,5-Trimethylbenzene	0.500	0.480	4.0	101	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.500	0.471	5.8	100	0.00
62 TMP 1,2,3-Trichloropropane	0.500	0.600	-20.0	100	0.00
63 TMP 2-Chlorotoluene	0.500	0.538	-7.6	100	0.00
64 TMP 4-Chlorotoluene	0.500	0.539	-7.8	100	0.00
65 TMP tert-Butylbenzene	0.500	0.493	1.4	100	0.00
66 TMP 1,2,4-Trimethylbenzene	0.500	0.463	7.4	100	0.00
67 TMP sec-Butylbenzene	0.500	0.470	6.0	100	0.00
68 TMP p-Isopropyltoluene	0.500	0.461	7.8	100	0.00
69 TMP 1,3-Dichlorobenzene	0.500	0.506	-1.2	100	0.00
70 TMP 1,4-Dichlorobenzene	0.500	0.473	5.4	100	0.00
71 TMP 1,2-Dichlorobenzene	0.500	0.472	5.6	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	-1.000	0.546	0.0	0	0.00
73 TMP 1,2,4-Trichlorobenzene	0.500	0.456	8.8	100	0.00
74 TMP Hexachlorobutadiene	0.500	0.517	-3.4	100	0.00
75 TMP Naphthalene	0.500	0.509	-1.8	100	0.00
76 TMP 1,2,3-Trichlorobenzene	0.500	0.464	7.2	100	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110510.D
 Acq On : 05 Nov 2022 01:07 pm
 Operator : VM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:17 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I Fluorobenzene	1.000	1.000	0.0	100	0.00
2 TMP Ethanol	0.000	0.000#	0.0	0#	-0.02
3 S Dibromofluoromethane	0.321	0.324	-0.9	100	0.00
4 TMP Dichlorodifluoromethane	0.800	0.889	-11.1	100	0.00
5 TMP Chloromethane	0.488	0.000#	100.0#	0#	-1.26#
6 TMP Vinyl chloride	0.510	0.460	9.8	96	0.00
7 TMP Bromomethane	0.432	0.000#	100.0#	0#	-1.58#
8 TMP Chloroethane	0.229	0.231	-0.9	109	0.00
9 TMP Trichlorofluoromethane	1.123	1.148	-2.2	120	0.00
10 TMP 2-Propanol	0.000	0.000	0.0	0#	-0.02
11 TMP Acetone	0.029	0.038	-31.0#	100	0.00
12 TMP 1,1-Dichloroethene	0.285	0.269	5.6	100	0.00
13 TMP Hexane	0.323	0.000#	100.0#	0#	-3.16#
14 TMP Methylene chloride	0.289	0.000#	100.0#	0#	-2.68#
15 TMP t-Butyl alcohol (TBA)	0.024	0.000#	100.0#	0#	-2.82#
16 TMP Methyl t-butyl ether (MTBE)	0.666	0.641	3.8	101	0.00
17 TMP trans-1,2-Dichloroethene	0.318	0.297	6.6	97	0.00
18 TMP Diisopropyl ether (DIPE)	0.698	0.701	-0.4	100	0.00
19 TMP 1,1-Dichloroethane	0.463	0.443	4.3	100	0.00
20 TMP Ethyl t-butyl ether (ETBE)	0.258	0.290	-12.4	100	0.00
21 TMP 2,2-Dichloropropane	0.258	0.258	0.0	100	0.00
22 TMP cis-1,2-Dichloroethene	0.333	0.320	3.9	100	0.00
23 TMP Chloroform	0.539	0.586	-8.7	100	0.00
24 TMP 2-Butanone (MEK)	0.132	0.131	0.8	105	0.00
25 TMP t-Amyl methyl ether (TAME)	0.540	0.497#	8.0	100	0.00
26 TMP 1,2-Dichloroethane (EDC)	0.465	0.441	5.2	103	0.00
27 TMP 1,1,1-Trichloroethane	0.482	0.445	7.7	100	0.00
28 TMP 1,1-Dichloropropene	0.370	0.367	0.8	100	0.00
29 TMP Carbon tetrachloride	0.485	0.522	-7.6	100	0.00
30 S 1,2-Dichloroethane-d4	0.062	0.059	4.8	100	0.00
31 TMP Benzene	1.118	1.077	3.7	100	0.00
32 TMP Trichloroethene	0.367	0.343	6.5	100	0.00
33 TMP 1,2-Dichloropropane	0.241	0.223	7.5	100	0.00
34 TMP Bromodichloromethane	0.387	0.396	-2.3	100	0.00
35 S Toluene-d8	0.954	0.919	3.7	100	0.00
36 TMP Dibromomethane	0.219	0.253	-15.5	100	0.00
37 TMP 4-Methyl-2-pentanone	0.042	0.044	-4.8	104	0.00
38 TMP cis-1,3-Dichloropropene	0.360	0.357	0.8	100	0.00
39 I Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40 TMP Toluene	0.907	0.843	7.1	100	0.00
41 TMP trans-1,3-Dichloropropene	0.366	0.311	15.0	100	0.00
42 TMP 1,1,2-Trichloroethane	0.285	0.269	5.6	100	0.00
43 TMP 2-Hexanone	0.190	0.198	-4.2	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110510.D
 Acq On : 05 Nov 2022 01:07 pm
 Operator : VM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:17 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.457	0.450	1.5	100	-0.01
45 TMP Tetrachloroethene	0.460	0.426	7.4	100	0.00
46 TMP Dibromochloromethane	0.451	0.399	11.5	100	-0.01
47 TMP 1,2-Dibromoethane (EDB)	0.360	0.327	9.2	100	0.00
48 TMP Chlorobenzene	0.993	1.074	-8.2	100	0.00
49 TMP Ethylbenzene	1.557	1.496	3.9	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.387	0.394	-1.8	100	0.00
51 TMP m,p-Xylene	0.612	0.569	7.0	100	0.00
52 TMP o-Xylene	0.591	0.551	6.8	100	0.00
53 TMP Styrene	0.887	0.835	5.9	100	0.00
54 TMP Isopropylbenzene	1.435	1.313	8.5	100	0.00
55 TMP Bromoform	0.299	0.298	0.3	100	0.00
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	0.689	0.688	0.1	100	0.00
58 TMP n-Propylbenzene	2.700	2.749	-1.8	100	0.00
59 TMP Bromobenzene	0.837	0.806	3.7	100	0.00
60 TMP 1,3,5-Trimethylbenzene	1.968	1.888	4.1	101	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.626	0.662	-5.8	100	0.00
62 TMP 1,2,3-Trichloropropane	0.486	0.584	-20.2#	100	0.00
63 TMP 2-Chlorotoluene	1.617	1.740	-7.6	100	0.00
64 TMP 4-Chlorotoluene	1.912	2.062	-7.8	100	0.00
65 TMP tert-Butylbenzene	1.952	1.926	1.3	100	0.00
66 TMP 1,2,4-Trimethylbenzene	1.996	1.849	7.4	100	0.00
67 TMP sec-Butylbenzene	2.624	2.466	6.0	100	0.00
68 TMP p-Isopropyltoluene	2.387	2.201	7.8	100	0.00
69 TMP 1,3-Dichlorobenzene	1.530	1.548	-1.2	100	0.00
70 TMP 1,4-Dichlorobenzene	1.564	1.480	5.4	100	0.00
71 TMP 1,2-Dichlorobenzene	1.455	1.372	5.7	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	0.108	0.000#	100.0#	0#	0.00
73 TMP 1,2,4-Trichlorobenzene	0.971	0.885	8.9	100	0.00
74 TMP Hexachlorobutadiene	0.600	0.621	-3.5	100	0.00
75 TMP Naphthalene	1.833	1.592	13.1	100	0.00
76 TMP 1,2,3-Trichlorobenzene	0.846	0.785	7.2	100	0.00

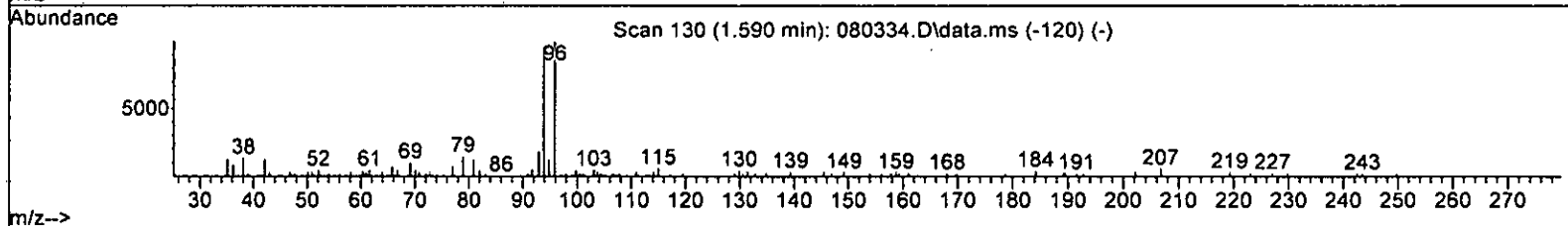
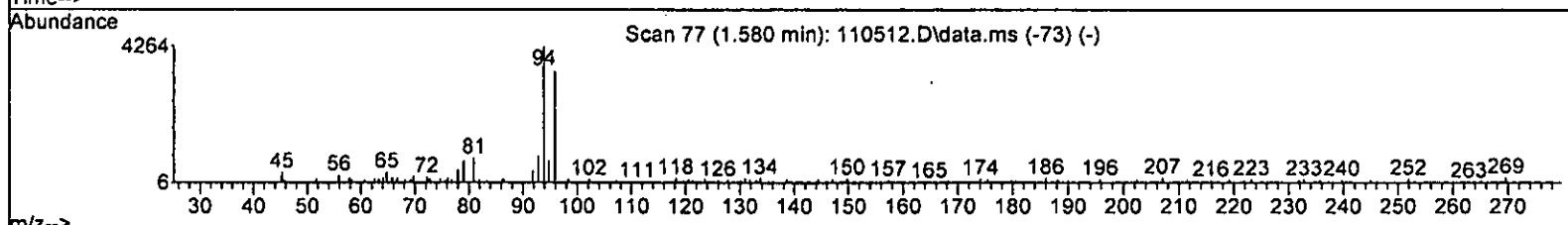
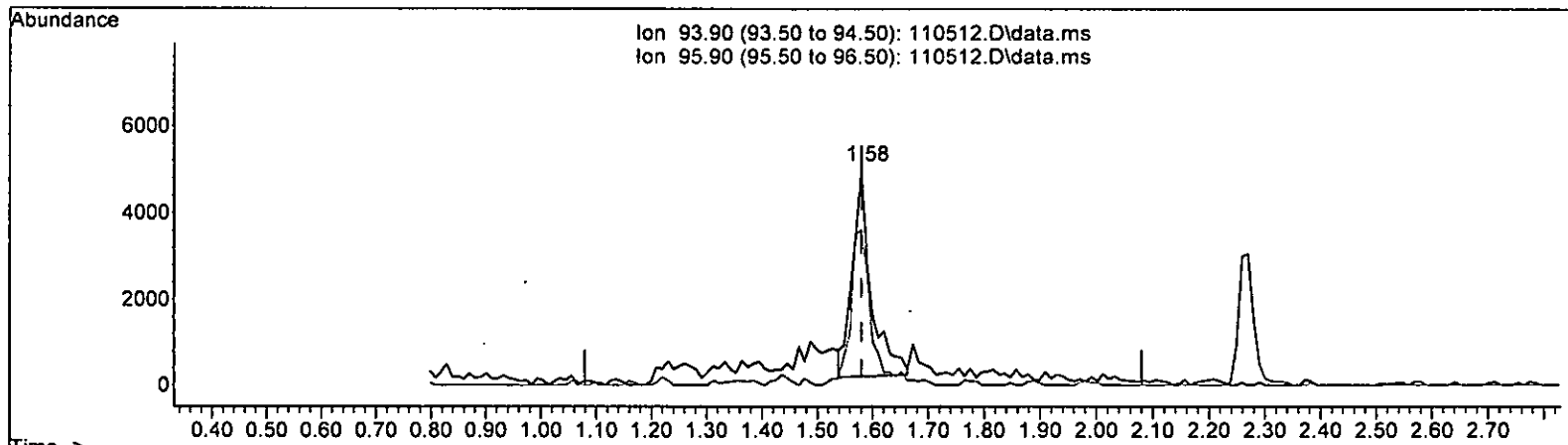
(#) = Out of Range

SPCC's out = 8 CCC's out = 0

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110512.D
 Acq On : 05 Nov 2022 01:53 pm
 Operator : VM
 Sample : 2 ppb 8260 ICAL 67-177L
 Misc : soil/water
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:21 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



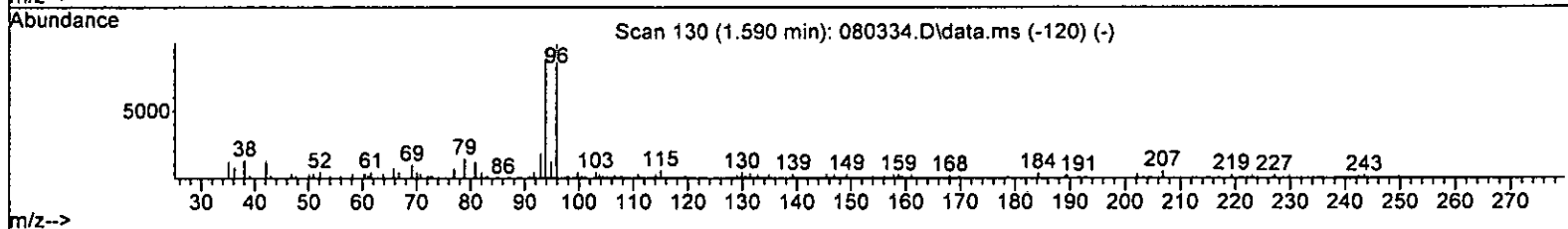
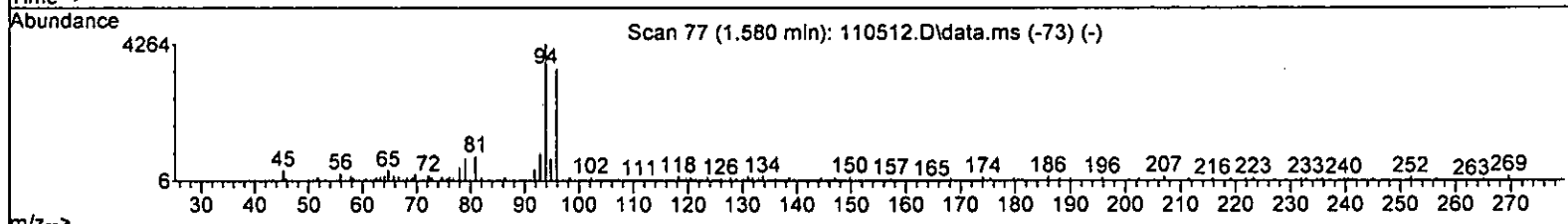
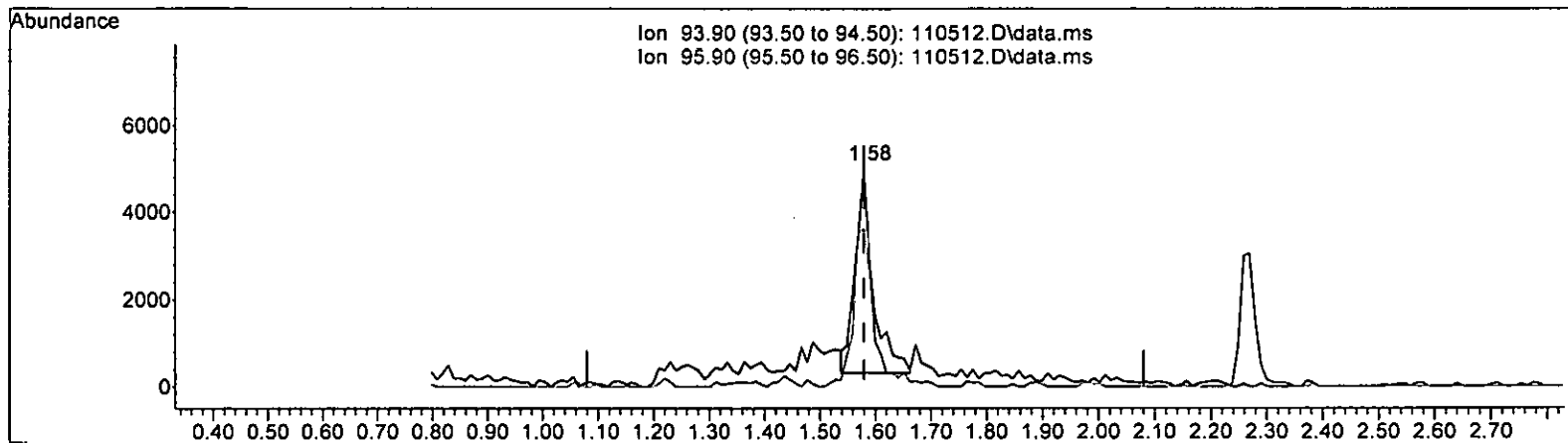
TIC: 110512.D\data.ms

(7) Bromomethane (TMP)		
1.580min (-0.000)	2.389 ppb	
response	11183	
Ion	Exp%	Act%
93.90	100.00	100.00
95.90	93.50	74.28
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110512.D
 Acq On : 05 Nov 2022 01:53 pm
 Operator : VM
 Sample : 2 ppb 8260 ICAL 67-177L
 Misc : soil/water
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:21 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110512.D\data.ms

(7) Bromomethane (TMP)

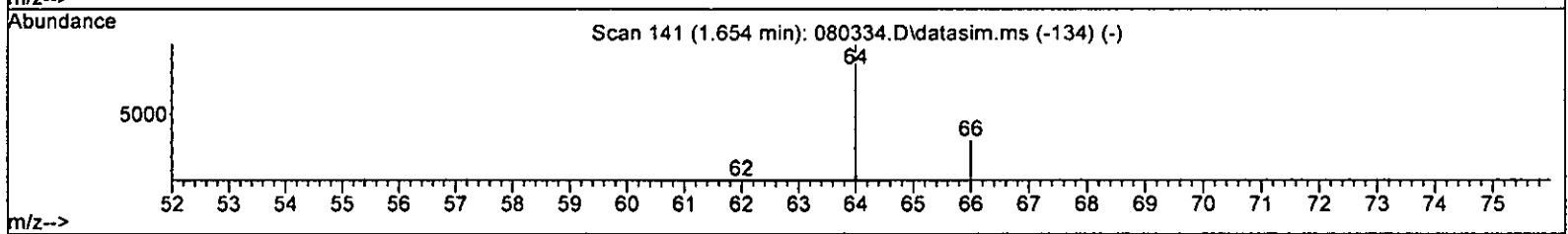
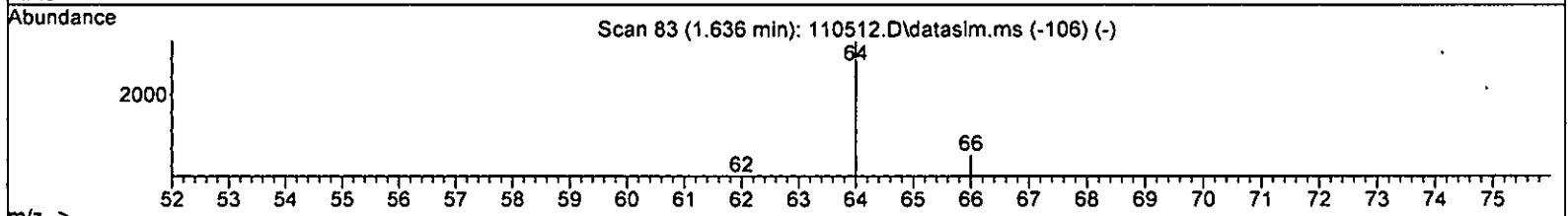
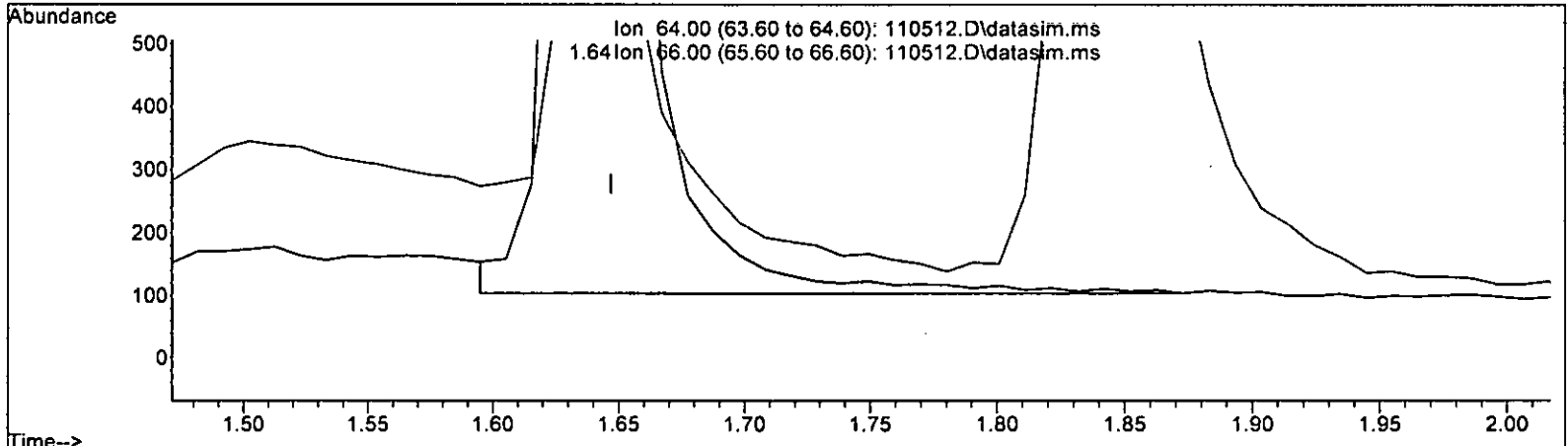
1.580min (-0.000) 2.230 ppb m

response	10442	
Ion	Exp%	Act%
93.90	100.00	100.00
95.90	93.50	71.06
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110512.D
 Acq On : 05 Nov 2022 01:53 pm
 Operator : VM
 Sample : 2 ppb 8260 ICAL 67-177L
 Misc : soil/water
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:21 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



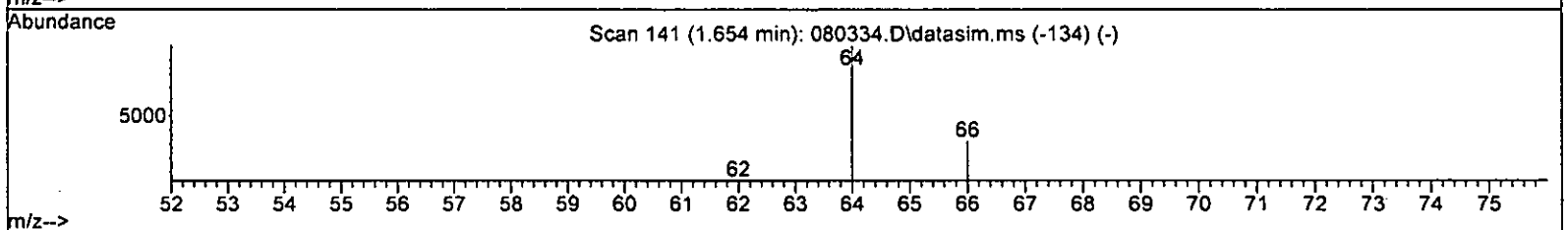
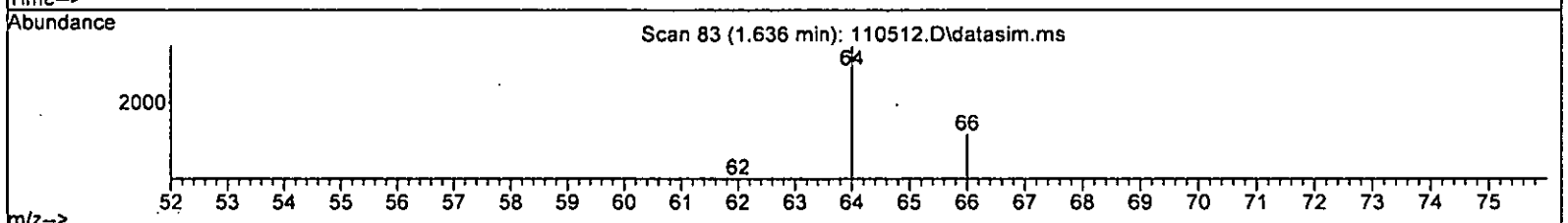
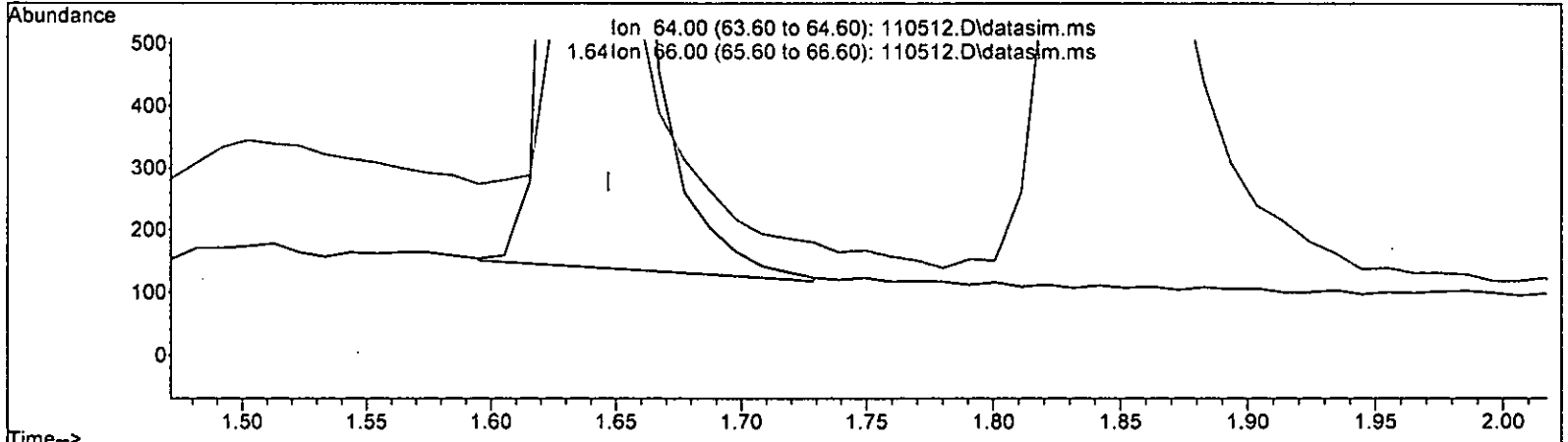
TIC: 110512.D\data.ms

(8) Chloroethane (TMP)		
1.636min (-0.011)	2.245 ppb	
response	5563	
Ion	Exp%	Act%
64.00	100.00	100.00
66.00	30.90	31.13
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110512.D
 Acq On : 05 Nov 2022 01:53 pm
 Operator : VM
 Sample : 2 ppb 8260 ICAL 67-177L
 Misc : soil/water
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:21 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 Qlast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110512.D\data.ms

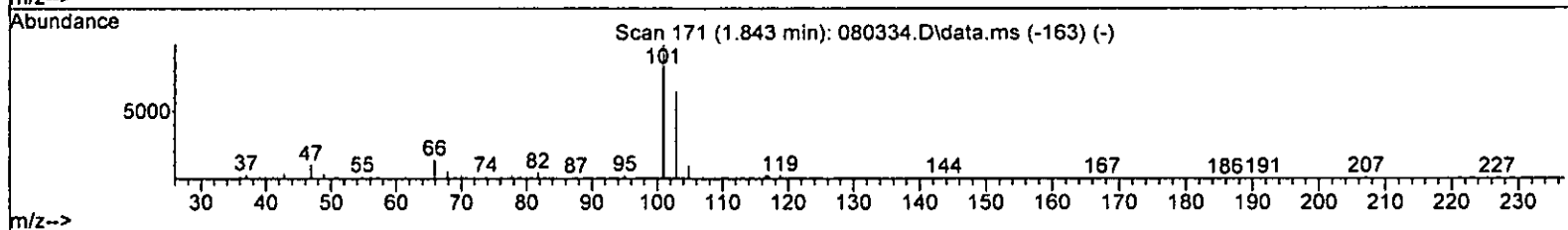
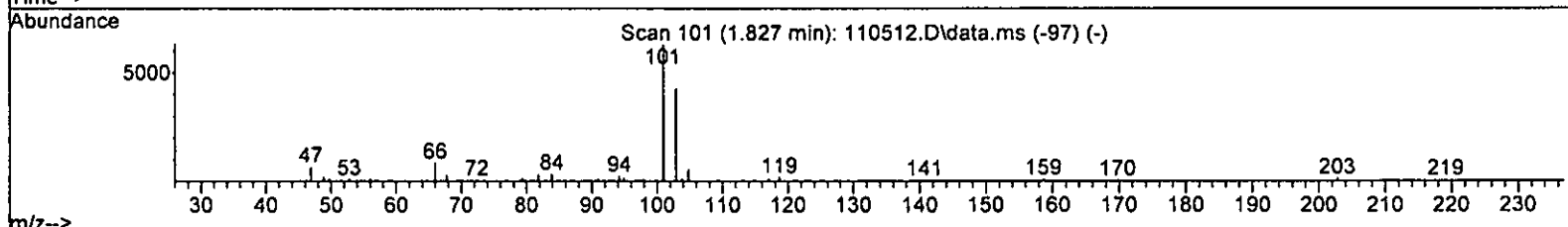
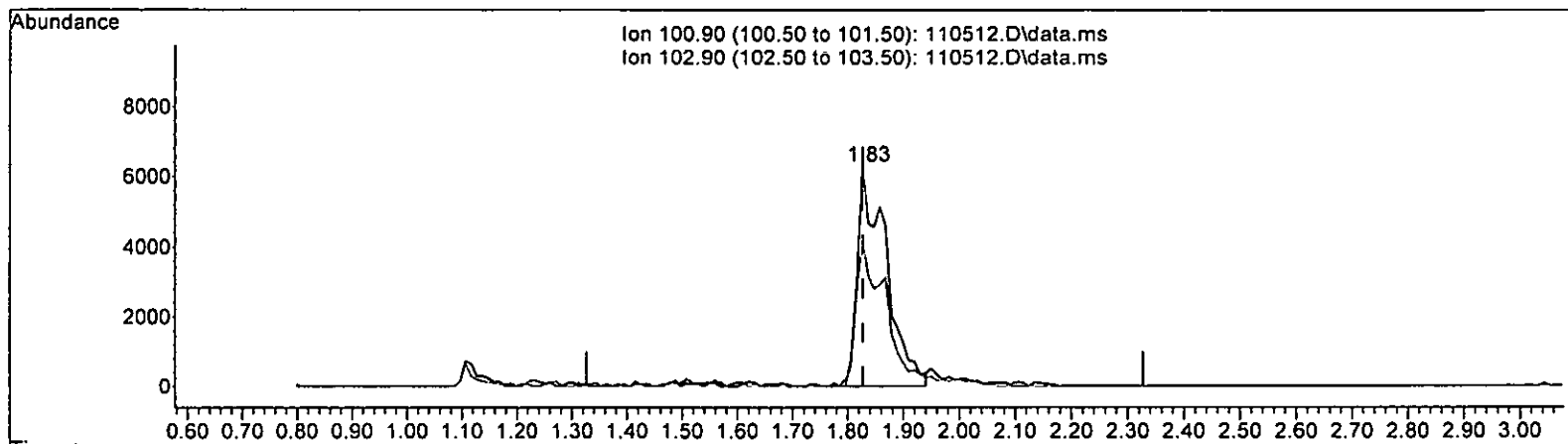
(8) Chloroethane (TMP)
 1.636min (-0.011) 2.115 ppb m

response	5241
Ion	Exp% Act%
64.00	100.00 100.00
66.00	30.90 38.46
0.00	0.00 0.00
0.00	0.00 0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110512.D
 Acq On : 05 Nov 2022 01:53 pm
 Operator : VM
 Sample : 2 ppb 8260 ICAL 67-177L
 Misc : soil/water
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:21 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110512.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.827min (-0.000) 1.844 ppb

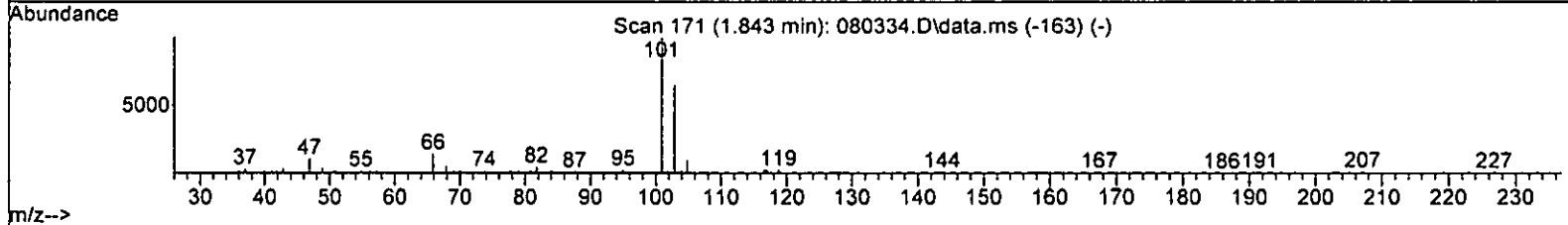
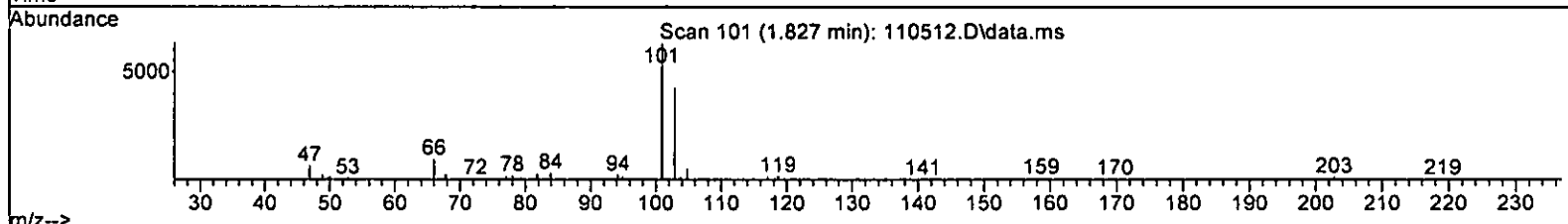
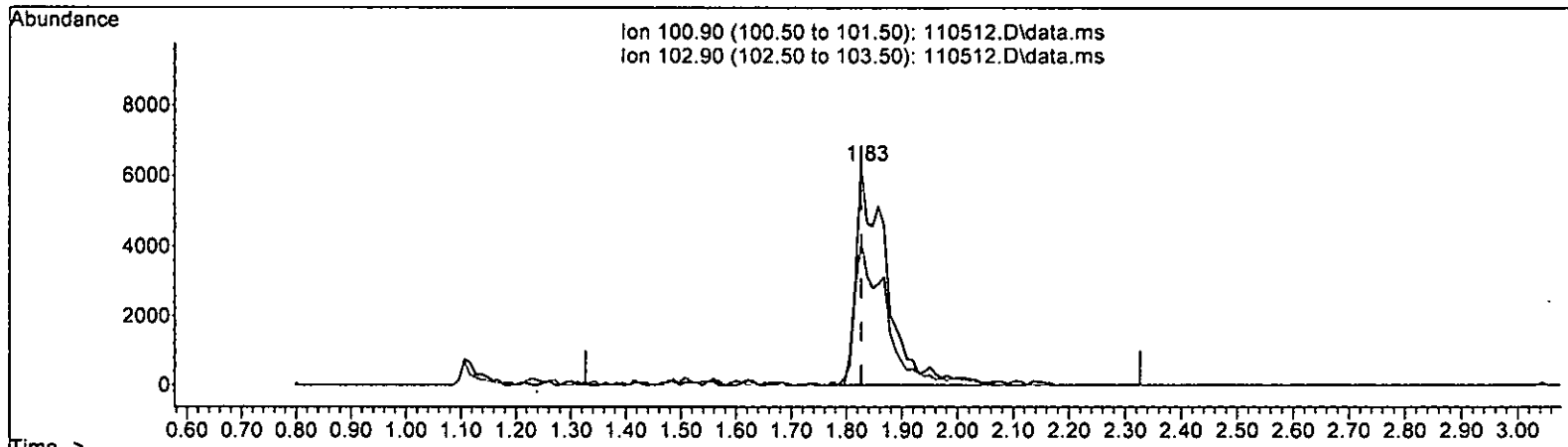
response 22448

Ion	Exp%	Act%
100.90	100.00	100.00
102.90	65.30	67.21
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110512.D
 Acq On : 05 Nov 2022 01:53 pm
 Operator : VM
 Sample : 2 ppb 8260 ICAL 67-177L
 Misc : soil/water
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:21 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110512.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.827min (-0.000) 2.100 ppb m

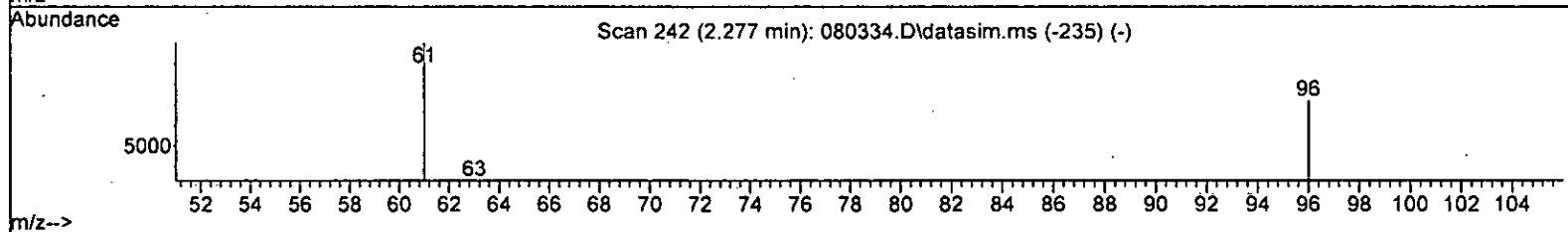
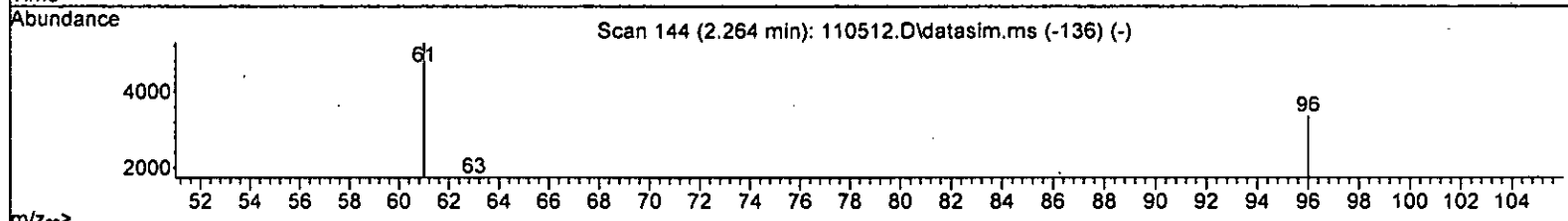
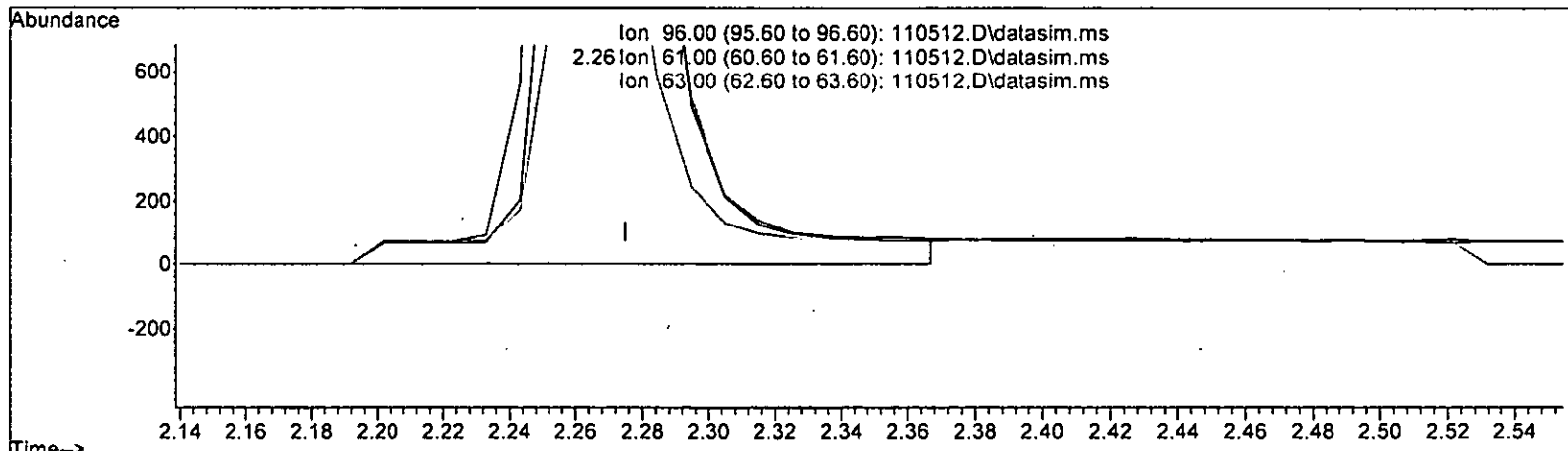
response 25555

Ion	Exp%	Act%
100.90	100.00	100.00
102.90	65.30	67.21
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110512.D
 Acq On : 05 Nov 2022 01:53 pm
 Operator : VM
 Sample : 2 ppb 8260 ICAL 67-177L
 Misc : soil/water
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:21 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110512.D\data.ms

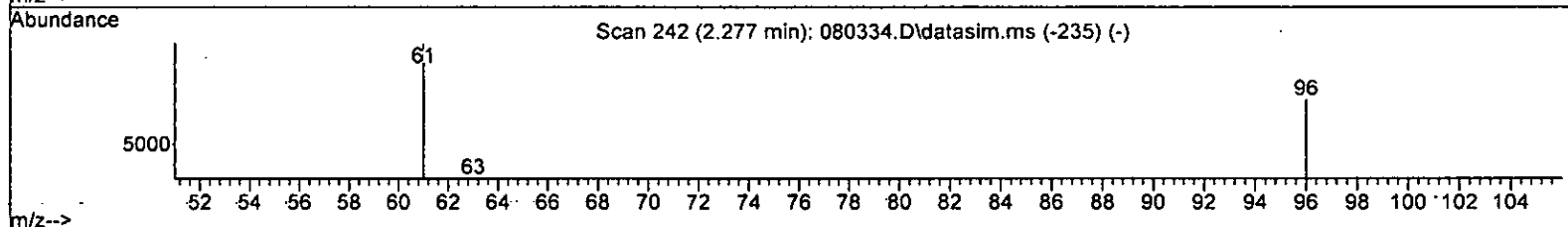
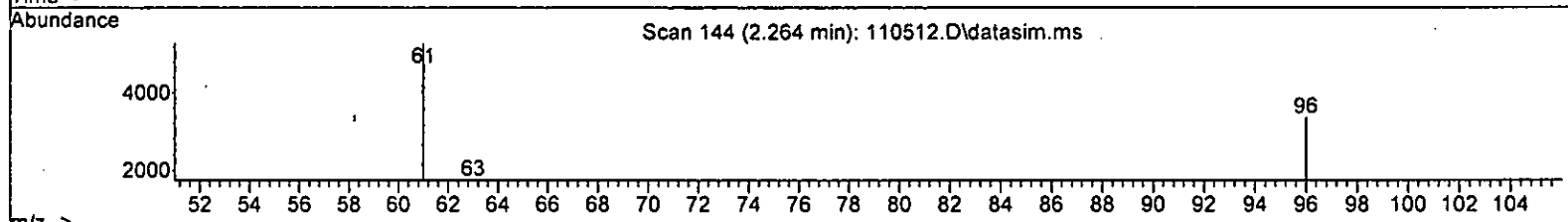
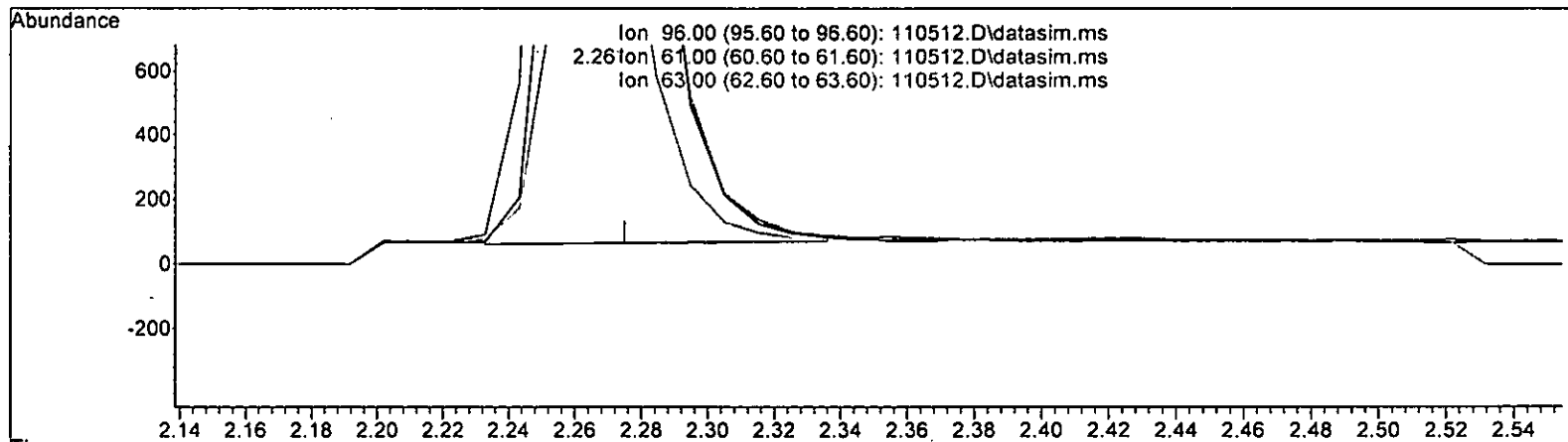
(12) 1,1-Dichloroethene (TMP)
 2.264min (-0.011) 2.133 ppb

response	6584	
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	120.90	157.46#
63.00	43.90	52.03
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110512.D
 Acq On : 05 Nov 2022 01:53 pm
 Operator : VM
 Sample : 2 ppb 8260 ICAL 67-177L
 Misc : soil/water
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:21 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110512.D\data.ms

(12) 1,1-Dichloroethene (TMP)		
2.264min (-0.011)	1.903 ppb m	
response	5876	
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	120.90	157.46#
63.00	43.90	52.03
0.00	0.00	0.00

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110512.D
 Acq On : 05 Nov 2022 01:53 pm
 Operator : VM
 Sample : 2 ppb 8260 ICAL 67-177L
 Misc : soil/water
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:21 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	4.73	96	108368	10.000	ppb	-0.01
39) Chlorobenzene-d5	7.40	117	87014	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	51026	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.17	113	34848	10.028	ppb	0.00
Spiked Amount	10.000	Range	50 - 150	Recovery	=	100.30%
30) 1,2-Dichloroethane-d4	4.45	102	6678	9.916	ppb	0.00
Spiked Amount	10.000	Range	84 - 120	Recovery	=	99.20%
35) Toluene-d8	6.10	98	103305	9.995	ppb	0.00
Spiked Amount	10.000	Range	73 - 128	Recovery	=	100.00%
57) 4-Bromofluorobenzene	8.51	95	34581	9.836	ppb	0.00
Spiked Amount	10.000	Range	57 - 146	Recovery	=	98.40%
Target Compounds						
2) Ethanol	2.32	45	504	No Calib		Qvalue
4) Dichlorodifluoromethane	1.11	85	16355	1.886	ppb	97
5) Chloromethane	1.25	50	10419	1.970	ppb	78
6] Vinyl chloride	1.33	62	11090	2.008	ppb	91
7) Bromomethane	1.58	94	10442m	2.230	ppb	
8] Chloroethane	1.64	64	5241m	2.115	ppb	
9) Trichlorofluoromethane	1.83	101	25555m	2.100	ppb	
10) 2-Propanol	2.32	45	504	No Calib	#	
11) Acetone	2.32	58	2969	9.642	ppb	87
12] 1,1-Dichloroethene	2.26	96	5876m	1.903	ppb	
13) Hexane	3.16	57	7327	2.091	ppb	88
14) Methylene chloride	0.00		0	N.D.	d	
15) t-Butyl alcohol (TBA)	2.81	59	2736	10.519	ppb	99
16] Methyl t-butyl ether (...)	2.93	73	14632	2.028	ppb	100
17] trans-1,2-Dichloroethene	2.91	96	7244	2.099	ppb	80
18) Diisopropyl ether (DIPE)	3.35	45	14439	1.910	ppb	96
19] 1,1-Dichloroethane	3.27	63	10079	2.007	ppb	99
20) Ethyl t-butyl ether (E...)	3.66	87	5360	1.920	ppb	92
21) 2,2-Dichloropropane	3.76	77	5175	1.970	ppb	100
22] cis-1,2-Dichloroethene	3.77	96	7011	1.942	ppb	98
23) Chloroform	4.04	83	11605	1.988	ppb	97
24) 2-Butanone (MEK)	3.79	43	12571	9.053	ppb	87
25) t-Amyl methyl ether (T...)	4.61	73	10902	1.862	ppb	92
26] 1,2-Dichloroethane (EDC)	4.52	62	9366	2.093	ppb	93
27] 1,1,1-Trichloroethane	4.19	97	9931	1.902	ppb	94
28) 1,1-Dichloropropene	4.33	75	8339	2.117	ppb	95
29) Carbon tetrachloride	4.33	117	10050	1.912	ppb	97
31] Benzene	4.50	78	23794	1.963	ppb	99
32] Trichloroethene	5.05	95	7906	1.990	ppb	79
33) 1,2-Dichloropropane	5.24	63	5035	1.928	ppb	96
34) Bromodichloromethane	5.48	83	8331	1.988	ppb	99
36) Dibromomethane	5.35	93	4723	1.986	ppb	87

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110512.D
 Acq On : 05 Nov 2022 01:53 pm
 Operator : VM
 Sample : 2 ppb 8260 ICAL 67-177L
 Misc : soil/water
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS13

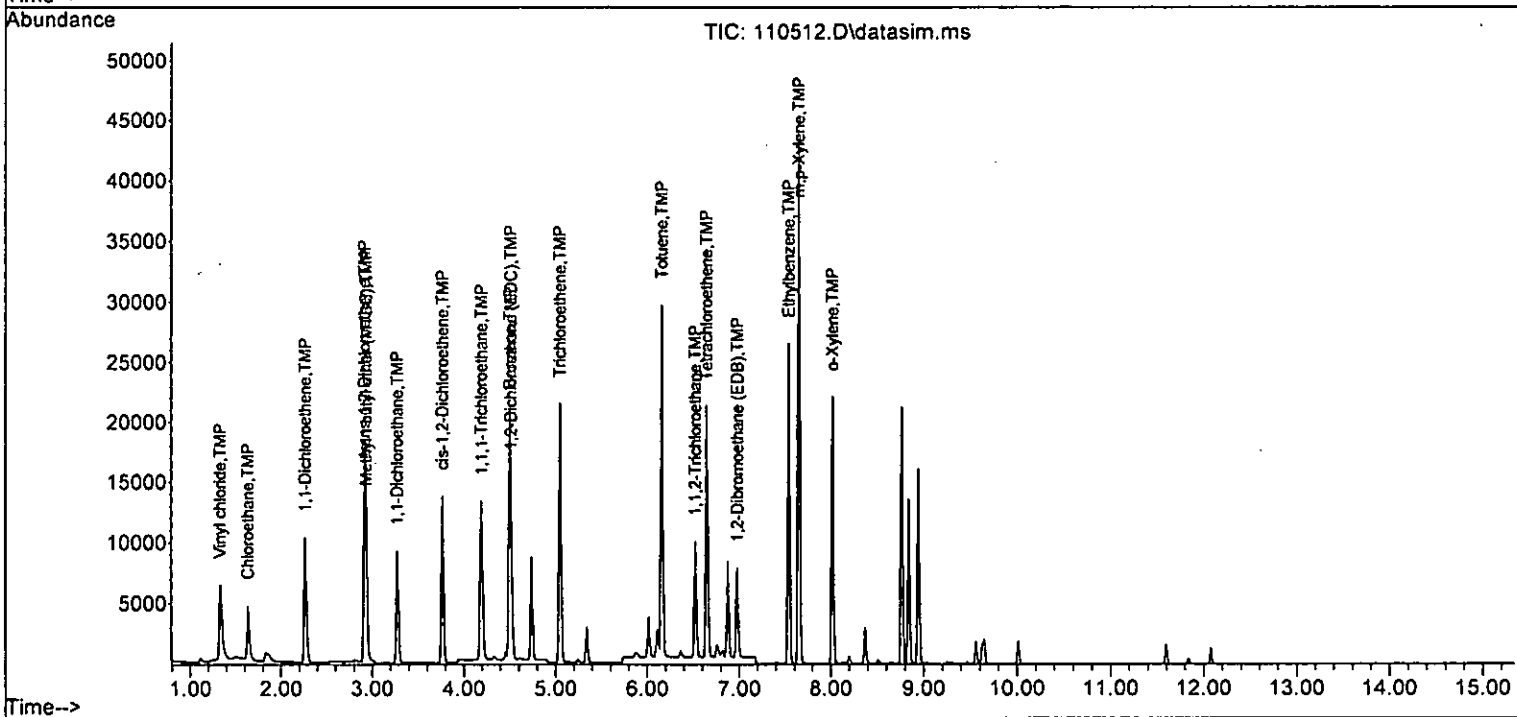
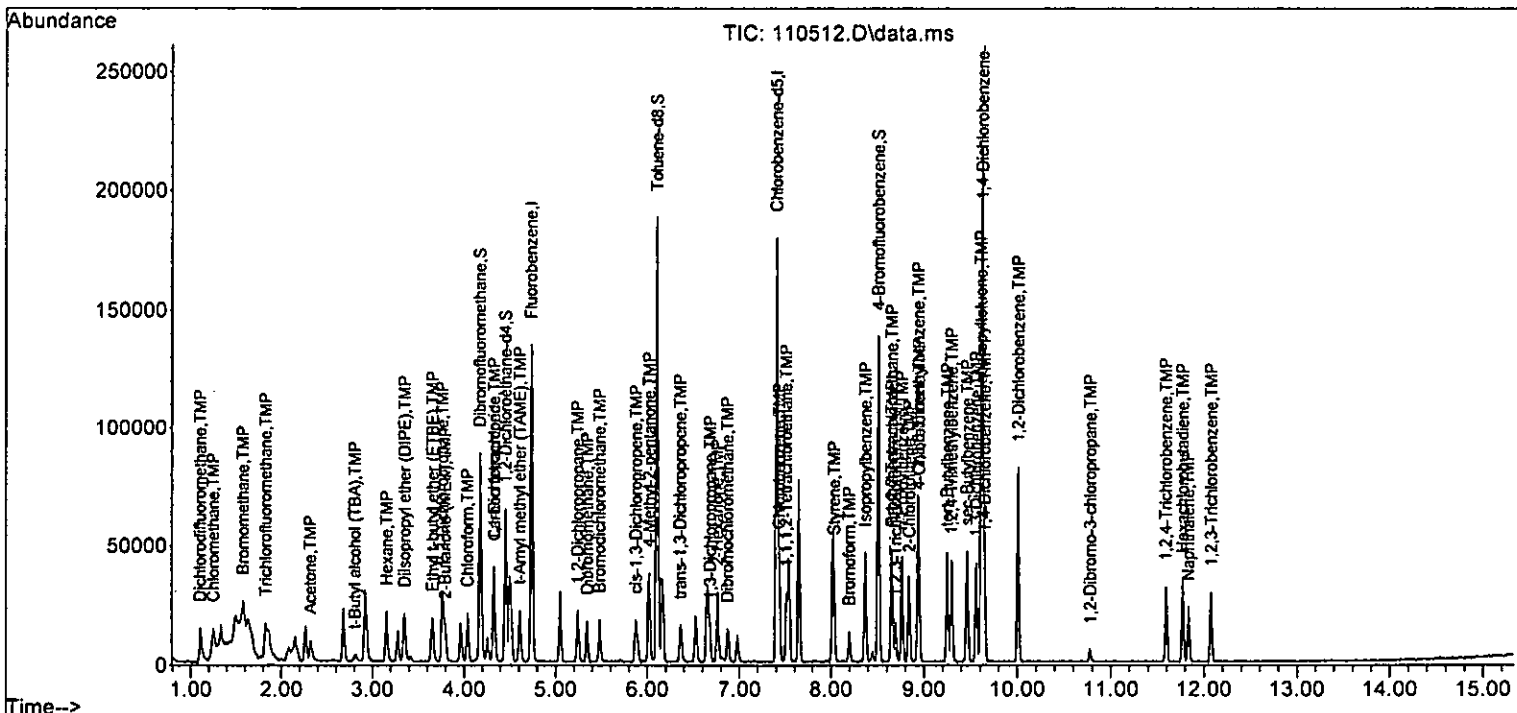
Quant Time: Nov 07 15:17:21 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	6.02	85	4592	9.988	ppb	92
38) cis-1,3-Dichloropropene	5.88	75	7183	1.841	ppb	90
40] Toluene	6.16	92	14643	2.086	ppb	98
41) trans-1,3-Dichloropropene	6.36	75	5512	1.821	ppb	86
42] 1,1,2-Trichloroethane	6.53	83	4791	2.114	ppb	91
43) 2-Hexanone	6.76	43	15983	9.690	ppb	97
44) 1,3-Dichloropropane	6.68	76	8135	2.045	ppb	95
45] Tetrachloroethene	6.65	164	7537	2.182	ppb	95
46) Dibromochloromethane	6.87	129	7274	1.932	ppb	96
47] 1,2-Dibromoethane (EDB)	6.98	107	5902	1.887	ppb	97
48) Chlorobenzene	7.43	112	17347	2.008	ppb	98
49] Ethylbenzene	7.54	91	26561	1.961	ppb	96
50] 1,1,1,2-Tetrachloroethane	7.51	131	6481	1.927	ppb	93
51] m,p-Xylene	7.65	106	20520	3.855	ppb	90
52] o-Xylene	8.02	106	9979	1.941	ppb	89
53) Styrene	8.03	104	15049	1.949	ppb	98
54) Isopropylbenzene	8.37	105	24959	1.998	ppb	88
55) Bromoform	8.20	173	4920	1.891	ppb	88
58) n-Propylbenzene	8.77	91	28670	2.081	ppb	90
59) Bromobenzene	8.65	156	8627	2.019	ppb	84
60] 1,3,5-Trimethylbenzene	8.94	105	19717	1.964	ppb	95
61) 1,1,2,2-Tetrachloroethane	8.65	83	6459	2.086	ppb	98
62) 1,2,3-Trichloropropane	8.70	75	5435	2.191	ppb	97
63) 2-Chlorotoluene	8.84	91	17398	2.109	ppb	89
64) 4-Chlorotoluene	8.95	91	19107	1.958	ppb	93
65) tert-Butylbenzene	9.25	119	19084	1.916	ppb	94
66) 1,2,4-Trimethylbenzene	9.30	105	19294	1.894	ppb	97
67) sec-Butylbenzene	9.46	105	26015	1.943	ppb	98
68) p-Isopropyltoluene	9.61	119	23218	1.906	ppb	97
69) 1,3-Dichlorobenzene	9.56	146	15492	1.985	ppb	96
70] 1,4-Dichlorobenzene	9.65	146	16442	2.060	ppb	95
71) 1,2-Dichlorobenzene	10.01	146	14649	1.974	ppb	95
72) 1,2-Dibromo-3-chloropr...	10.78	75	1202	2.183	ppb	84
73) 1,2,4-Trichlorobenzene	11.59	180	9042	1.826	ppb	87
74) Hexachlorobutadiene	11.77	225	6295	2.057	ppb	98
75) Naphthalene	11.83	128	16273	1.800	ppb	96
76) 1,2,3-Trichlorobenzene	12.08	180	8266	1.915	ppb	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110512.D
 Acq On : 05 Nov 2022 01:53 pm
 Operator : VM
 Sample : 2 ppb 8260 ICAL 67-177L
 Misc : soil/water
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:21 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110512.D
 Acq On : 05 Nov 2022 01:53 pm
 Operator : VM
 Sample : 2 ppb 8260 ICAL 67-177L
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Quant Time: Nov 07 15:17:21 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I Fluorobenzene	10.000	10.000	0.0	100	-0.01
2 TMP Ethanol	-1.000	0.000	0.0	0	-0.01
3 S Dibromofluoromethane	10.000	10.028	-0.3	100	0.00
4 TMP Dichlorodifluoromethane	2.000	1.886	5.7	100	-0.01
5 TMP Chloromethane	2.000	1.970	1.5	100	-0.01
6 TMP Vinyl chloride	2.000	2.008	-0.4	106	-0.01
7 TMP Bromomethane	2.000	2.230	-11.5	134	0.00
8 TMP Chloroethane	2.000	2.115	-5.8	103	-0.01
9 TMP Trichlorofluoromethane	2.000	2.100	-5.0	100	0.00
10 TMP 2-Propanol	-1.000	0.000	0.0	0	-0.01
11 TMP Acetone	10.000	9.642	3.6	100	-0.01
12 TMP 1,1-Dichloroethene	2.000	1.903	4.8	100	-0.01
13 TMP Hexane	2.000	2.091	-4.6	100	0.00
14 TMP Methylene chloride	-1.000	0.000	0.0	0	-2.68#
15 TMP t-Butyl alcohol (TBA)	10.000	10.519	-5.2	100	-0.01
16 TMP Methyl t-butyl ether (MTBE)	2.000	2.028	-1.4	103	0.00
17 TMP trans-1,2-Dichloroethene	2.000	2.099	-5.0	109	-0.01
18 TMP Diisopropyl ether (DIPE)	2.000	1.910	4.5	100	0.00
19 TMP 1,1-Dichloroethane	2.000	2.007	-0.4	100	0.00
20 TMP Ethyl t-butyl ether (ETBE)	2.000	1.920	4.0	100	0.00
21 TMP 2,2-Dichloropropane	2.000	1.970	1.5	100	-0.01
22 TMP cis-1,2-Dichloroethene	2.000	1.942	2.9	100	0.00
23 TMP Chloroform	2.000	1.988	0.6	100	0.00
24 TMP 2-Butanone (MEK)	10.000	9.053	9.5	100	0.00
25 TMP t-Amyl methyl ether (TAME)	2.000	1.862	6.9	100	0.00
26 TMP 1,2-Dichloroethane (EDC)	2.000	2.093	-4.6	100	-0.01
27 TMP 1,1,1-Trichloroethane	2.000	1.902	4.9	100	0.00
28 TMP 1,1-Dichloropropene	2.000	2.117	-5.8	100	0.00
29 TMP Carbon tetrachloride	2.000	1.912	4.4	100	0.00
30 S 1,2-Dichloroethane-d4	10.000	9.916	0.8	100	0.00
31 TMP Benzene	2.000	1.963	1.8	100	0.00
32 TMP Trichloroethene	2.000	1.990	0.5	100	0.00
33 TMP 1,2-Dichloropropane	2.000	1.928	3.6	100	0.00
34 TMP Bromodichloromethane	2.000	1.988	0.6	100	0.00
35 S Toluene-d8	10.000	9.995	0.1	100	0.00
36 TMP Dibromomethane	2.000	1.986	0.7	100	0.00
37 TMP 4-Methyl-2-pentanone	10.000	9.988	0.1	100	0.00
38 TMP cis-1,3-Dichloropropene	2.000	1.841	8.0	100	0.00
39 I Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40 TMP Toluene	2.000	2.086	-4.3	100	0.00
41 TMP trans-1,3-Dichloropropene	2.000	1.821	9.0	100	0.00
42 TMP 1,1,2-Trichloroethane	2.000	2.114	-5.7	100	0.00
43 TMP 2-Hexanone	10.000	9.690	3.1	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110512.D
 Acq On : 05 Nov 2022 01:53 pm
 Operator : VM
 Sample : 2 ppb 8260 ICAL 67-177L
 Misc : soil/water
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:21 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	2.000	2.045	-2.2	100	0.00
45 TMP Tetrachloroethene	2.000	2.182	-9.1	100	0.00
46 TMP Dibromochloromethane	2.000	1.932	3.4	100	-0.01
47 TMP 1,2-Dibromoethane (EDB)	2.000	1.887	5.6	100	0.00
48 TMP Chlorobenzene	2.000	2.008	-0.4	100	0.00
49 TMP Ethylbenzene	2.000	1.961	1.9	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	2.000	1.927	3.6	100	0.00
51 TMP m,p-Xylene	4.000	3.855	3.6	100	0.00
52 TMP o-Xylene	2.000	1.941	2.9	100	0.00
53 TMP Styrene	2.000	1.949	2.5	100	0.00
54 TMP Isopropylbenzene	2.000	1.998	0.1	100	0.00
55 TMP Bromoform	2.000	1.891	5.4	100	0.00
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	10.000	9.836	1.6	100	0.00
58 TMP n-Propylbenzene	2.000	2.081	-4.0	100	0.00
59 TMP Bromobenzene	2.000	2.019	-1.0	100	0.00
60 TMP 1,3,5-Trimethylbenzene	2.000	1.964	1.8	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	2.000	2.086	-4.3	100	0.00
62 TMP 1,2,3-Trichloropropane	2.000	2.191	-9.5	100	0.00
63 TMP 2-Chlorotoluene	2.000	2.109	-5.4	100	0.00
64 TMP 4-Chlorotoluene	2.000	1.958	2.1	100	0.00
65 TMP tert-Butylbenzene	2.000	1.916	4.2	100	0.00
66 TMP 1,2,4-Trimethylbenzene	2.000	1.894	5.3	100	0.00
67 TMP sec-Butylbenzene	2.000	1.943	2.8	100	0.00
68 TMP p-Isopropyltoluene	2.000	1.906	4.7	100	0.00
69 TMP 1,3-Dichlorobenzene	2.000	1.985	0.7	100	0.00
70 TMP 1,4-Dichlorobenzene	2.000	2.060	-3.0	100	0.00
71 TMP 1,2-Dichlorobenzene	2.000	1.974	1.3	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	2.000	2.183	-9.1	100	0.00
73 TMP 1,2,4-Trichlorobenzene	2.000	1.826	8.7	100	0.00
74 TMP Hexachlorobutadiene	2.000	2.057	-2.8	100	0.00
75 TMP Naphthalene	2.000	1.800	10.0	100	0.00
76 TMP 1,2,3-Trichlorobenzene	2.000	1.915	4.2	100	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110512.D
 Acq On : 05 Nov 2022 01:53 pm
 Operator : VM
 Sample : 2 ppb 8260 ICAL 67-177L
 Misc : soil/water
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:21 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	1.000	1.000	0.0	100	-0.01
2 TMP	Ethanol	0.000	0.000#	0.0	0#	-0.01
3 S	Dibromofluoromethane	0.321	0.322	-0.3	100	0.00
4 TMP	Dichlorodifluoromethane	0.800	0.755	5.6	100	-0.01
5 TMP	Chloromethane	0.488	0.481	1.4	100	-0.01
6 TMP	Vinyl chloride	0.510	0.512	-0.4	106	-0.01
7 TMP	Bromomethane	0.432	0.482	-11.6	134	0.00
8 TMP	Chloroethane	0.229	0.242	-5.7	103	-0.01
9 TMP	Trichlorofluoromethane	1.123	1.179	-5.0	100	0.00
10 TMP	2-Propanol	0.000	0.000	0.0	0#	-0.01
11 TMP	Acetone	0.029	0.027	6.9	100	-0.01
12 TMP	1,1-Dichloroethene	0.285	0.271	4.9	100	-0.01
13 TMP	Hexane	0.323	0.338	-4.6	100	0.00
14 TMP	Methylene chloride	0.289	0.000#	100.0#	0#	-2.68#
15 TMP	t-Butyl alcohol (TBA)	0.024	0.025#	-4.2	100	-0.01
16 TMP	Methyl t-butyl ether (MTBE)	0.666	0.675	-1.4	103	0.00
17 TMP	trans-1,2-Dichloroethene	0.318	0.334	-5.0	109	-0.01
18 TMP	Diisopropyl ether (DIPE)	0.698	0.666	4.6	100	0.00
19 TMP	1,1-Dichloroethane	0.463	0.465	-0.4	100	0.00
20 TMP	Ethyl t-butyl ether (ETBE)	0.258	0.247	4.3	100	0.00
21 TMP	2,2-Dichloropropane	0.258	0.239	7.4	100	-0.01
22 TMP	cis-1,2-Dichloroethene	0.333	0.323	3.0	100	0.00
23 TMP	Chloroform	0.539	0.535	0.7	100	0.00
24 TMP	2-Butanone (MEK)	0.132	0.116	12.1	100	0.00
25 TMP	t-Amyl methyl ether (TAME)	0.540	0.503	6.9	100	0.00
26 TMP	1,2-Dichloroethane (EDC)	0.465	0.432	7.1	100	-0.01
27 TMP	1,1,1-Trichloroethane	0.482	0.458	5.0	100	0.00
28 TMP	1,1-Dichloropropene	0.370	0.385	-4.1	100	0.00
29 TMP	Carbon tetrachloride	0.485	0.464	4.3	100	0.00
30 S	1,2-Dichloroethane-d4	0.062	0.062	0.0	100	0.00
31 TMP	Benzene	1.118	1.098	1.8	100	0.00
32 TMP	Trichloroethene	0.367	0.365	0.5	100	0.00
33 TMP	1,2-Dichloropropane	0.241	0.232	3.7	100	0.00
34 TMP	Bromodichloromethane	0.387	0.384	0.8	100	0.00
35 S	Toluene-d8	0.954	0.953	0.1	100	0.00
36 TMP	Dibromomethane	0.219	0.218	0.5	100	0.00
37 TMP	4-Methyl-2-pentanone	0.042	0.042	0.0	100	0.00
38 TMP	cis-1,3-Dichloropropene	0.360	0.331	8.1	100	0.00
39 I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40 TMP	Toluene	0.907	0.841	7.3	100	0.00
41 TMP	trans-1,3-Dichloropropene	0.366	0.317	13.4	100	0.00
42 TMP	1,1,2-Trichloroethane	0.285	0.275	3.5	100	0.00
43 TMP	2-Hexanone	0.190	0.184	3.2	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110512.D
 Acq On : 05 Nov 2022 01:53 pm
 Operator : VM
 Sample : 2 ppb 8260 ICAL 67-177L
 Misc : soil/water
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:21 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.457	0.467	-2.2	100	0.00
45 TMP Tetrachloroethene	0.460	0.433	5.9	100	0.00
46 TMP Dibromochloromethane	0.451	0.418	7.3	100	-0.01
47 TMP 1,2-Dibromoethane (EDB)	0.360	0.339	5.8	100	0.00
48 TMP Chlorobenzene	0.993	0.997	-0.4	100	0.00
49 TMP Ethylbenzene	1.557	1.526	2.0	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.387	0.372	3.9	100	0.00
51 TMP m,p-Xylene	0.612	0.590	3.6	100	0.00
52 TMP o-Xylene	0.591	0.573	3.0	100	0.00
53 TMP Styrene	0.887	0.865	2.5	100	0.00
54 TMP Isopropylbenzene	1.435	1.434	0.1	100	0.00
55 TMP Bromoform	0.299	0.283	5.4	100	0.00
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	0.689	0.678	1.6	100	0.00
58 TMP n-Propylbenzene	2.700	2.809	-4.0	100	0.00
59 TMP Bromobenzene	0.837	0.845	-1.0	100	0.00
60 TMP 1,3,5-Trimethylbenzene	1.968	1.932	1.8	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.626	0.633	-1.1	100	0.00
62 TMP 1,2,3-Trichloropropane	0.486	0.533	-9.7	100	0.00
63 TMP 2-Chlorotoluene	1.617	1.705	-5.4	100	0.00
64 TMP 4-Chlorotoluene	1.912	1.872	2.1	100	0.00
65 TMP tert-Butylbenzene	1.952	1.870	4.2	100	0.00
66 TMP 1,2,4-Trimethylbenzene	1.996	1.891	5.3	100	0.00
67 TMP sec-Butylbenzene	2.624	2.549	2.9	100	0.00
68 TMP p-Isopropyltoluene	2.387	2.275	4.7	100	0.00
69 TMP 1,3-Dichlorobenzene	1.530	1.518	0.8	100	0.00
70 TMP 1,4-Dichlorobenzene	1.564	1.611	-3.0	100	0.00
71 TMP 1,2-Dichlorobenzene	1.455	1.435	1.4	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	0.108	0.118	-9.3	100	0.00
73 TMP 1,2,4-Trichlorobenzene	0.971	0.886	8.8	100	0.00
74 TMP Hexachlorobutadiene	0.600	0.617	-2.8	100	0.00
75 TMP Naphthalene	1.833	1.595	13.0	100	0.00
76 TMP 1,2,3-Trichlorobenzene	0.846	0.810	4.3	100	0.00

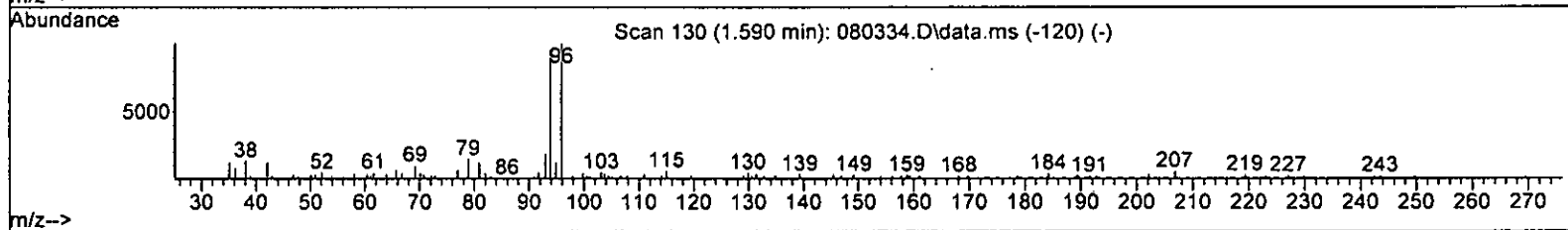
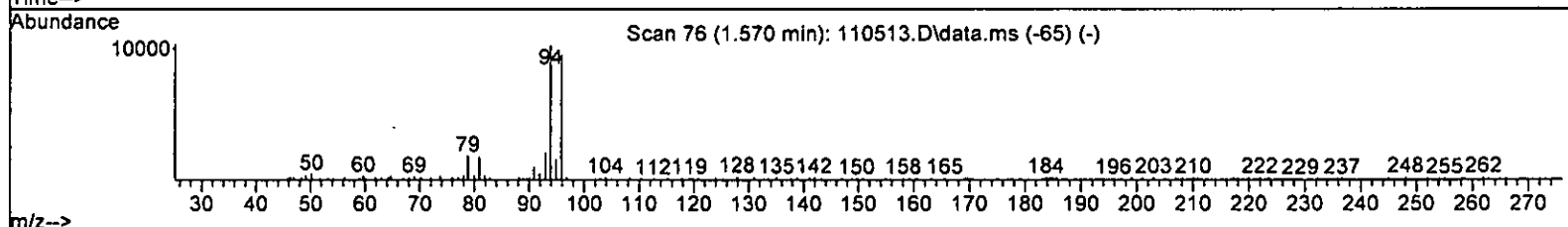
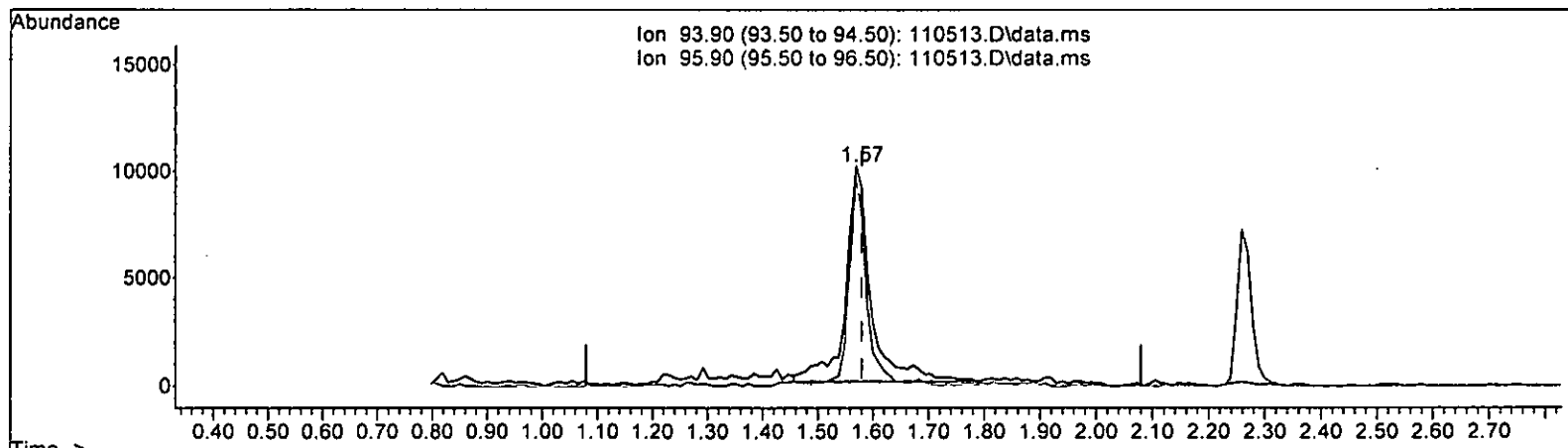
(#) = Out of Range

SPCC's out = 3 CCC's out = 0

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110513.D
 Acq On : 05 Nov 2022 02:16 pm
 Operator : VM
 Sample : 5 ppb 8260 ICAL 67-177M
 Misc : soil/water
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:23 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110513.D\data.ms

(7) Bromomethane (TMP)

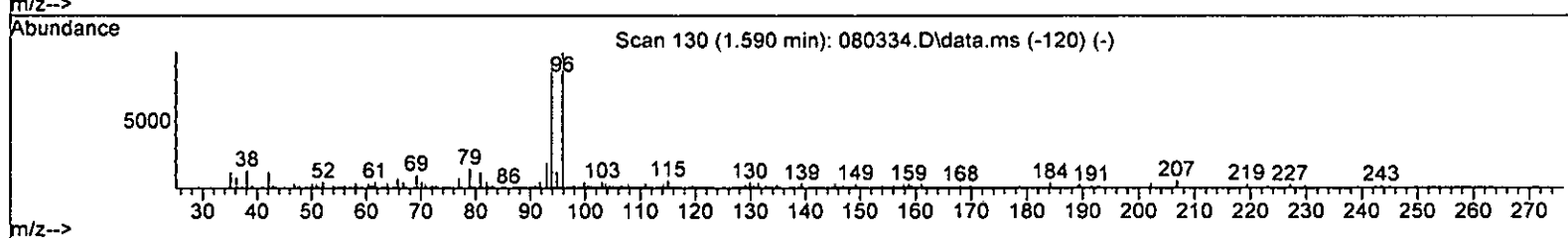
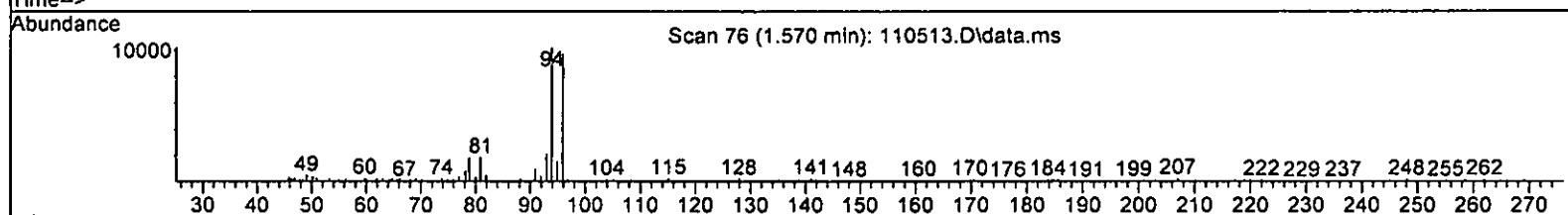
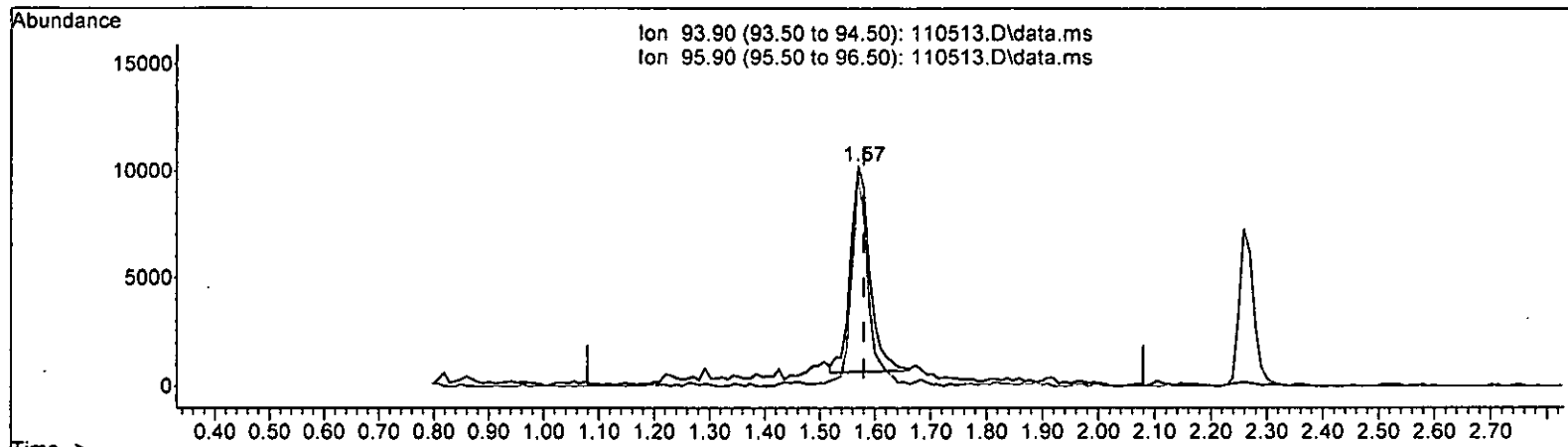
1.570min (-0.010) 6.638 ppb

response	31464
Ion	Exp% Act%
93.90	100.00 100.00
95.90	93.50 95.95
0.00	0.00 0.00
0.00	0.00 0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110513.D
 Acq On : 05 Nov 2022 02:16 pm
 Operator : VM
 Sample : 5 ppb 8260 ICAL 67-177M
 Misc : soil/water
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:23 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110513.D\data.ms

(7) Bromomethane (TMP)

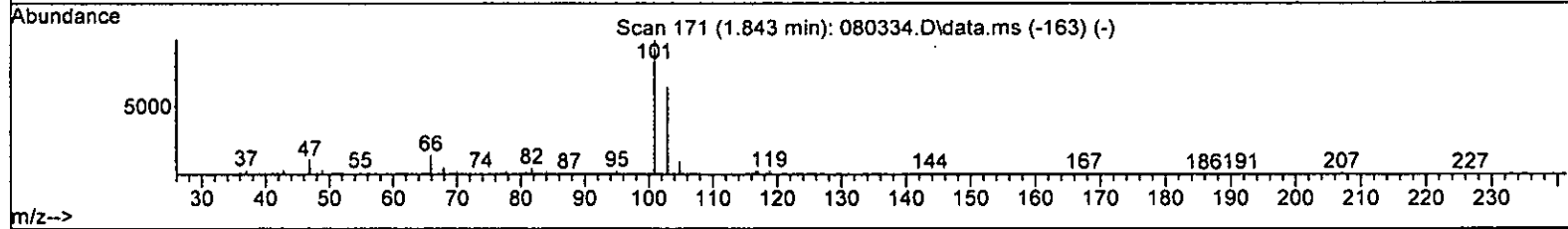
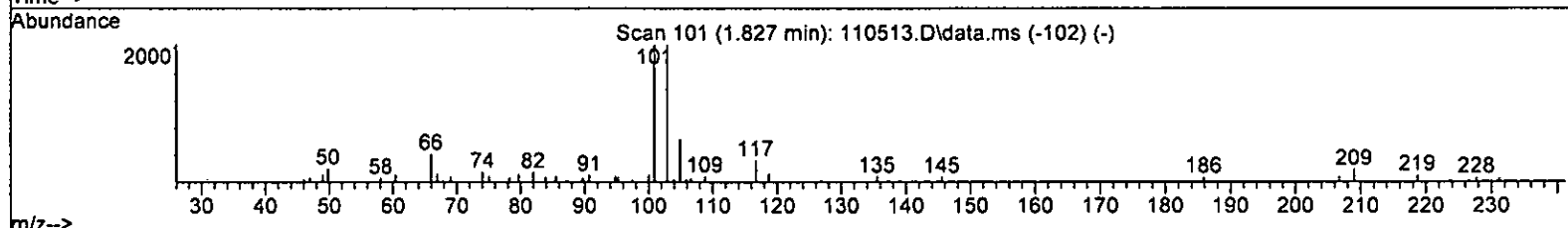
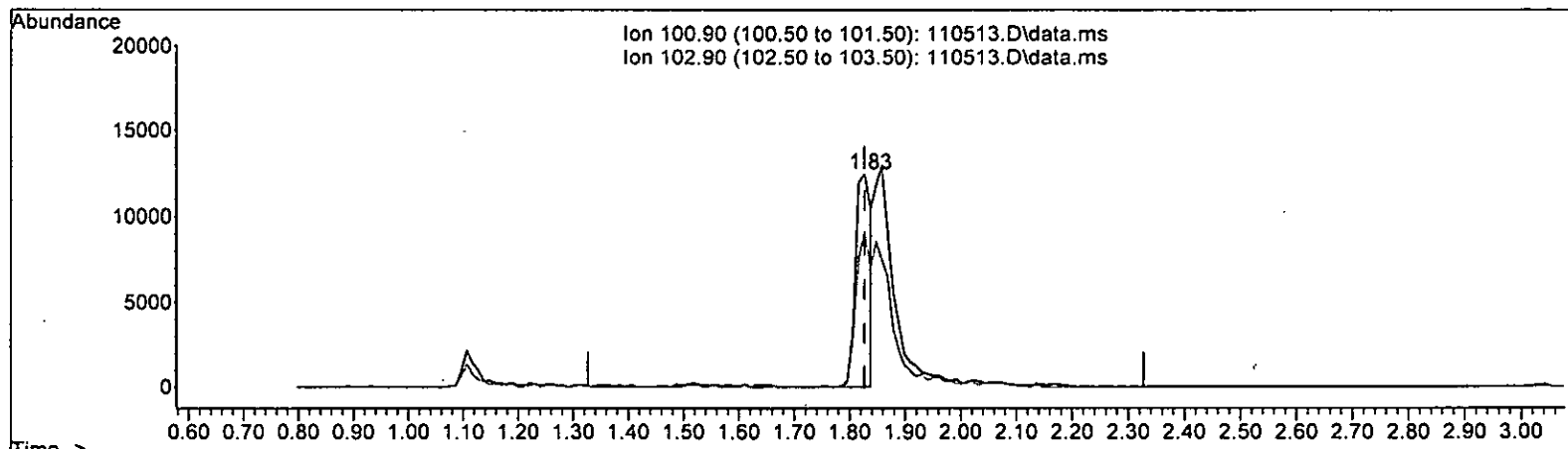
1.570min (-0.010) 4.882 ppb m

response	23141
Ion	Exp% Act%
93.90	100.00 100.00
95.90	93.50 94.58
0.00	0.00 0.00
0.00	0.00 0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110513.D
 Acq On : 05 Nov 2022 02:16 pm
 Operator : VM
 Sample : 5 ppb 8260 ICAL 67-177M
 Misc : soil/water
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:23 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110513.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.827min (-0.000) 1.929 ppb

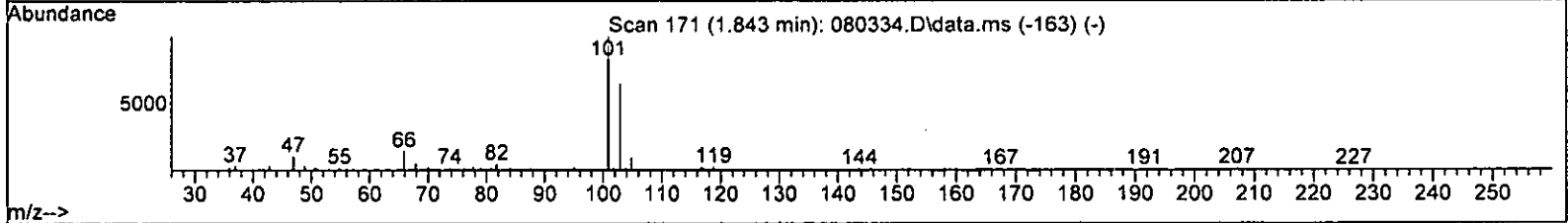
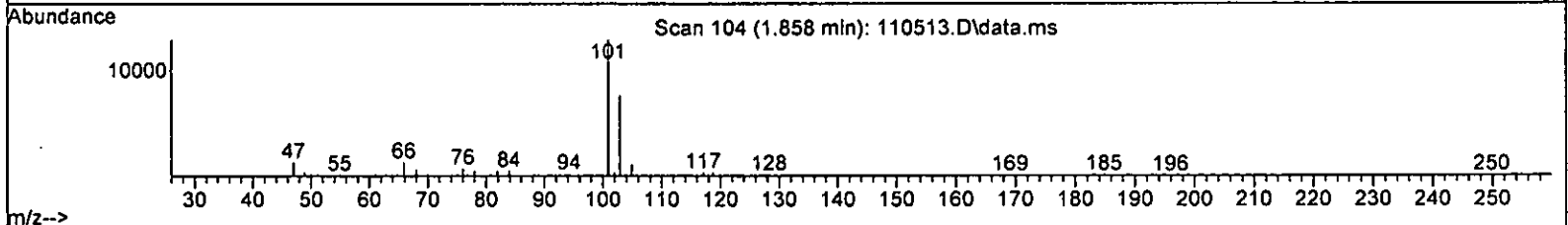
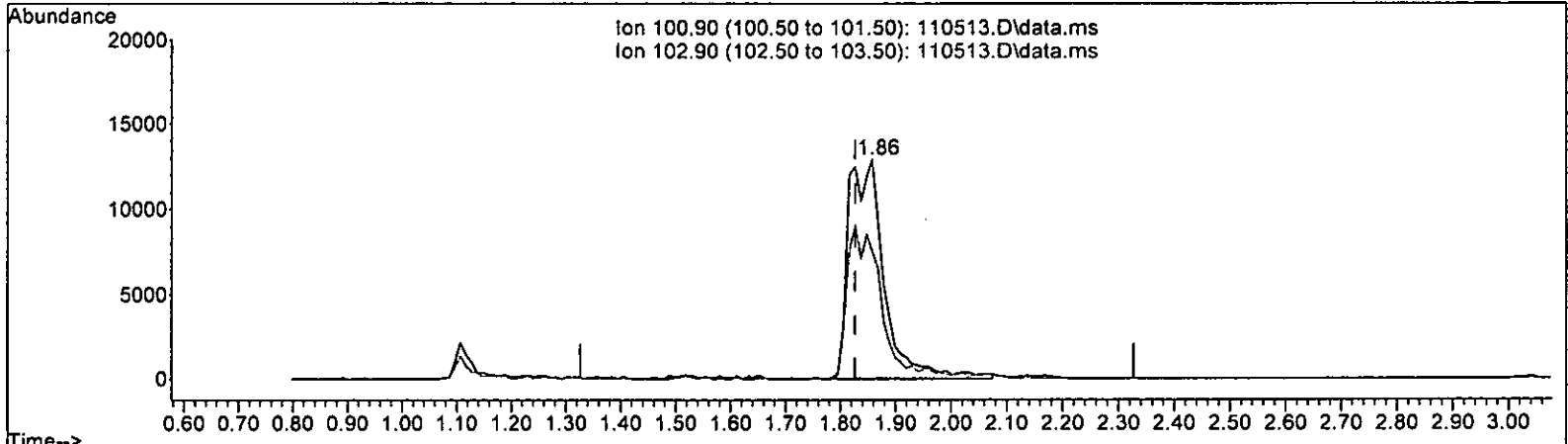
response 23763

Ion	Exp%	Act%
100.90	100.00	100.00
102.90	65.30	72.85
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110513.D
 Acq On : 05 Nov 2022 02:16 pm
 Operator : VM
 Sample : 5 ppb 8260 ICAL 67-177M
 Misc : soil/water
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:23 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110513.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.858min (+ 0.031) 4.960 ppb m

response 61115

Ion	Exp%	Act%
100.90	100.00	100.00
102.90	65.30	58.38
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110513.D
 Acq On : 05 Nov 2022 02:16 pm
 Operator : VM
 Sample : 5 ppb 8260 ICAL 67-177M
 Misc : soil/water
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:23 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	4.73	96	109707	10.000	ppb	-0.01
39) Chlorobenzene-d5	7.40	117	88629	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	50120	10.000	ppb	0.00

System Monitoring Compounds						
3) Dibromofluoromethane	4.17	113	34176	9.714	ppb	0.00
Spiked Amount	10.000	Range	50 - 150	Recovery	=	97.10%
30) 1,2-Dichloroethane-d4	4.45	102	6631	9.726	ppb	0.00
Spiked Amount	10.000	Range	84 - 120	Recovery	=	97.30%
35) Toluene-d8	6.11	98	103918	9.932	ppb	0.00
Spiked Amount	10.000	Range	73 - 128	Recovery	=	99.30%
57) 4-Bromofluorobenzene	8.51	95	34646	10.032	ppb	0.00
Spiked Amount	10.000	Range	57 - 146	Recovery	=	100.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Ethanol	2.33	45	365	No Calib		
4) Dichlorodifluoromethane	1.11	85	39970	4.554	ppb	97
5) Chloromethane	1.25	50	25956	4.847	ppb	97
6] Vinyl chloride	1.33	62	26239	4.692	ppb	94
7) Bromomethane	1.57	94	23141m	4.882	ppb	
8] Chloroethane	1.64	64	12441	4.959	ppb	97
9) Trichlorofluoromethane	1.86	101	61115m	4.960	ppb	
10] 2-Propanol	2.33	45	365	No Calib	#	
11) Acetone	2.33	58	6296	21.279	ppb	# 86
12] 1,1-Dichloroethene	2.26	96	14896	4.766	ppb	84
13) Hexane	3.16	57	16668	4.700	ppb	95
14) Methylene chloride	2.68	84	17937	4.905	ppb	94
15) t-Butyl alcohol (TBA)	2.82	59	5799	22.023	ppb	82
16] Methyl t-butyl ether (...)	2.93	73	34475	4.720	ppb	99
17] trans-1,2-Dichloroethene	2.91	96	16527	4.730	ppb	83
18) Diisopropyl ether (DIPE)	3.35	45	35750	4.670	ppb	96
19] 1,1-Dichloroethane	3.27	63	23872	4.696	ppb	97
20] Ethyl t-butyl ether (E...)	3.65	87	12223	4.325	ppb	# 76
21) 2,2-Dichloropropane	3.76	77	11875	4.501	ppb	91
22] cis-1,2-Dichloroethene	3.77	96	17811	4.873	ppb	96
23) Chloroform	4.04	83	28521	4.827	ppb	100
24) 2-Butanone (MEK)	3.79	43	26467	19.098	ppb	97
25) t-Amyl methyl ether (T...)	4.61	73	26822	4.524	ppb	93
26] 1,2-Dichloroethane (EDC)	4.52	62	22233	4.963	ppb	92
27] 1,1,1-Trichloroethane	4.19	97	23900	4.521	ppb	94
28) 1,1-Dichloropropene	4.33	75	19020	4.792	ppb	94
29) Carbon tetrachloride	4.33	117	23496	4.415	ppb	98
31] Benzene	4.50	78	56905	4.638	ppb	100
32] Trichloroethene	5.05	95	18837	4.685	ppb	# 78
33) 1,2-Dichloropropane	5.24	63	12455	4.712	ppb	96
34) Bromodichloromethane	5.48	83	19920	4.697	ppb	91
36) Dibromomethane	5.34	93	10758	4.468	ppb	89

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110513.D
 Acq On : 05 Nov 2022 02:16 pm
 Operator : VM
 Sample : 5 ppb 8260 ICAL 67-177M
 Misc : soil/water
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS13

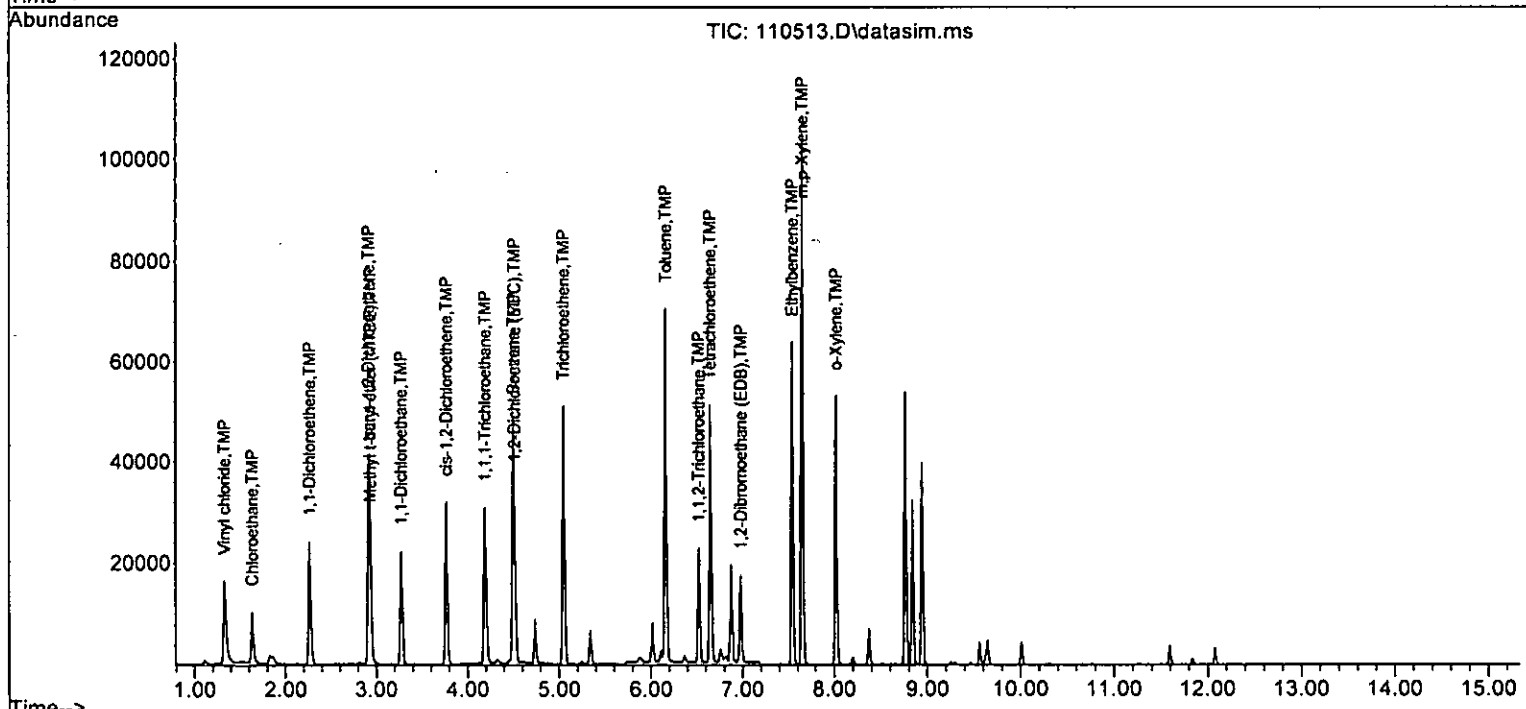
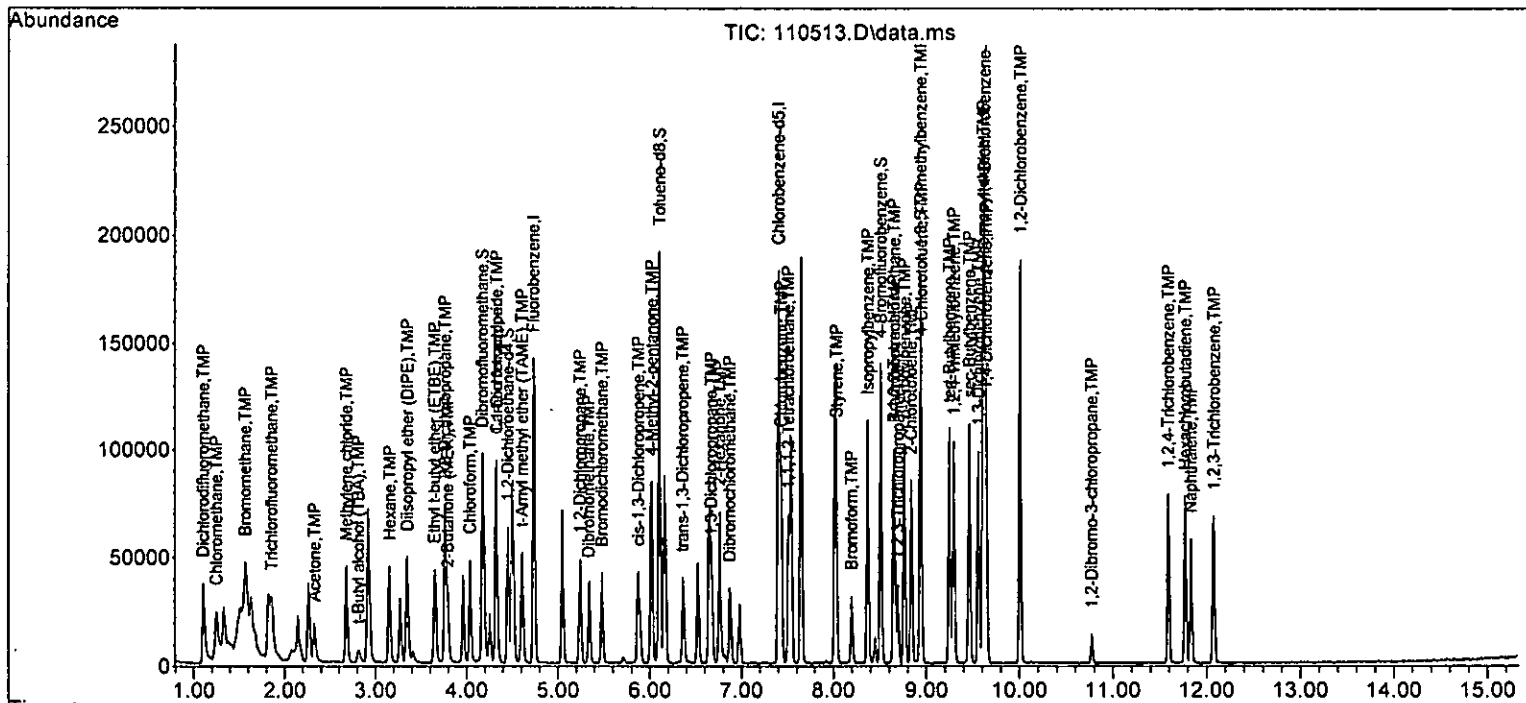
Quant Time: Nov 07 15:17:23 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	6.02	85	9919	21.312	ppb	96
38) cis-1,3-Dichloropropene	5.88	75	16892	4.276	ppb	94
40] Toluene	6.16	92	35268	4.956	ppb	97
41) trans-1,3-Dichloropropene	6.36	75	13495	4.357	ppb	90
42] 1,1,2-Trichloroethane	6.53	83	11288	4.911	ppb	89
43) 2-Hexanone	6.76	43	37305	22.205	ppb	97
44) 1,3-Dichloropropane	6.67	76	19946	4.922	ppb	97
45] Tetrachloroethene	6.65	164	17803	5.084	ppb	95
46) Dibromochloromethane	6.87	129	17976	4.719	ppb	96
47] 1,2-Dibromoethane (EDB)	6.98	107	14430	4.528	ppb	98
48) Chlorobenzene	7.43	112	41631	4.730	ppb	95
49] Ethylbenzene	7.54	91	64516	4.675	ppb	95
50) 1,1,1,2-Tetrachloroethane	7.51	131	15366	4.485	ppb	89
51] m,p-Xylene	7.65	106	50138	9.246	ppb	89
52] o-Xylene	8.02	106	24168	4.616	ppb	88
53) Styrene	8.03	104	36124	4.594	ppb	96
54) Isopropylbenzene	8.37	105	61384	4.825	ppb	95
55) Bromoform	8.20	173	11869	4.479	ppb	94
58) n-Propylbenzene	8.77	91	66876	4.943	ppb	93
59) Bromobenzene	8.65	156	19920	4.746	ppb #	80
60) 1,3,5-Trimethylbenzene	8.94	105	48534	4.921	ppb	94
61) 1,1,2,2-Tetrachloroethane	8.65	83	15253	5.160	ppb	92
62) 1,2,3-Trichloropropane	8.70	75	11548	4.739	ppb	94
63) 2-Chlorotoluene	8.84	91	40265	4.969	ppb	94
64) 4-Chlorotoluene	8.95	91	46593	4.862	ppb	89
65) tert-Butylbenzene	9.25	119	45776	4.679	ppb	96
66) 1,2,4-Trimethylbenzene	9.30	105	47789	4.776	ppb	96
67) sec-Butylbenzene	9.46	105	63733	4.846	ppb	94
68) p-Isopropyltoluene	9.61	119	57271	4.787	ppb	95
69) 1,3-Dichlorobenzene	9.56	146	37190	4.851	ppb	96
70) 1,4-Dichlorobenzene	9.64	146	38104	4.861	ppb	95
71) 1,2-Dichlorobenzene	10.01	146	35540	4.875	ppb	96
72) 1,2-Dibromo-3-chloropr...	10.77	75	2516	4.652	ppb	89
73) 1,2,4-Trichlorobenzene	11.59	180	21952	4.513	ppb	96
74) Hexachlorobutadiene	11.77	225	13843	4.605	ppb	98
75) Naphthalene	11.83	128	40939	4.473	ppb	100
76) 1,2,3-Trichlorobenzene	12.08	180	19554	4.612	ppb	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110513.D
 Acq On : 05 Nov 2022 02:16 pm
 Operator : VM
 Sample : 5 ppb 8260 ICAL 67-177M
 Misc : soil/water
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:23 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110513.D
 Acq On : 05 Nov 2022 02:16 pm
 Operator : VM
 Sample : 5 ppb 8260 ICAL 67-177M
 Misc : soil/water
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:23 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I Fluorobenzene	10.000	10.000	0.0	100	-0.01
2 TMP Ethanol	-1.000	0.000	0.0	0	0.00
3 S Dibromofluoromethane	10.000	9.714	2.9	100	0.00
4 TMP Dichlorodifluoromethane	5.000	4.554	8.9	100	-0.01
5 TMP Chloromethane	5.000	4.847	3.1	100	-0.01
6 TMP Vinyl chloride	5.000	4.692	6.2	100	-0.01
7 TMP Bromomethane	5.000	4.882	2.4	86	-0.01
8 TMP Chloroethane	5.000	4.959	0.8	100	-0.01
9 TMP Trichlorofluoromethane	5.000	4.960	0.8	100	0.03
10 TMP 2-Propanol	-1.000	0.000	0.0	0	0.00
11 TMP Acetone	25.000	21.279	14.9	100	0.00
12 TMP 1,1-Dichloroethene	5.000	4.766	4.7	100	-0.01
13 TMP Hexane	5.000	4.700	6.0	100	0.00
14 TMP Methylene chloride	5.000	4.905	1.9	100	0.00
15 TMP t-Butyl alcohol (TBA)	25.000	22.023	11.9	100	0.00
16 TMP Methyl t-butyl ether (MTBE)	5.000	4.720	5.6	100	0.00
17 TMP trans-1,2-Dichloroethene	5.000	4.730	5.4	100	-0.01
18 TMP Diisopropyl ether (DIPE)	5.000	4.670	6.6	100	0.00
19 TMP 1,1-Dichloroethane	5.000	4.696	6.1	100	0.00
20 TMP Ethyl t-butyl ether (ETBE)	5.000	4.325	13.5	100	-0.01
21 TMP 2,2-Dichloropropane	5.000	4.501	10.0	100	-0.01
22 TMP cis-1,2-Dichloroethene	5.000	4.873	2.5	100	0.00
23 TMP Chloroform	5.000	4.827	3.5	100	0.00
24 TMP 2-Butanone (MEK)	25.000	19.098	23.6#	100	0.00
25 TMP t-Amyl methyl ether (TAME)	5.000	4.524	9.5	100	0.00
26 TMP 1,2-Dichloroethane (EDC)	5.000	4.963	0.7	99	-0.01
27 TMP 1,1,1-Trichloroethane	5.000	4.521	9.6	100	0.00
28 TMP 1,1-Dichloropropene	5.000	4.792	4.2	100	0.00
29 TMP Carbon tetrachloride	5.000	4.415	11.7	100	0.00
30 S 1,2-Dichloroethane-d4	10.000	9.726	2.7	100	0.00
31 TMP Benzene	5.000	4.638	7.2	100	0.00
32 TMP Trichloroethene	5.000	4.685	6.3	100	0.00
33 TMP 1,2-Dichloropropane	5.000	4.712	5.8	100	0.00
34 TMP Bromodichloromethane	5.000	4.697	6.1	100	0.00
35 S Toluene-d8	10.000	9.932	0.7	100	0.00
36 TMP Dibromomethane	5.000	4.468	10.6	100	-0.01
37 TMP 4-Methyl-2-pentanone	25.000	21.312	14.8	100	0.00
38 TMP cis-1,3-Dichloropropene	5.000	4.276	14.5	100	0.00
39 I Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40 TMP Toluene	5.000	4.956	0.9	100	0.00
41 TMP trans-1,3-Dichloropropene	5.000	4.357	12.9	100	0.00
42 TMP 1,1,2-Trichloroethane	5.000	4.911	1.8	100	0.00
43 TMP 2-Hexanone	25.000	22.205	11.2	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110513.D
 Acq On : 05 Nov 2022 02:16 pm
 Operator : VM
 Sample : 5 ppb 8260 ICAL 67-177M
 Misc : soil/water
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:23 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	5.000	4.922	1.6	100	-0.01
45 TMP Tetrachloroethene	5.000	5.084	-1.7	100	0.00
46 TMP Dibromochloromethane	5.000	4.719	5.6	100	-0.01
47 TMP 1,2-Dibromoethane (EDB)	5.000	4.528	9.4	100	0.00
48 TMP Chlorobenzene	5.000	4.730	5.4	100	0.00
49 TMP Ethylbenzene	5.000	4.675	6.5	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	5.000	4.485	10.3	100	0.00
51 TMP m,p-Xylene	10.000	9.246	7.5	100	0.00
52 TMP o-Xylene	5.000	4.616	7.7	100	0.00
53 TMP Styrene	5.000	4.594	8.1	100	0.00
54 TMP Isopropylbenzene	5.000	4.825	3.5	100	0.00
55 TMP Bromoform	5.000	4.479	10.4	100	0.00
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	10.000	10.032	-0.3	100	0.00
58 TMP n-Propylbenzene	5.000	4.943	1.1	100	0.00
59 TMP Bromobenzene	5.000	4.746	5.1	100	0.00
60 TMP 1,3,5-Trimethylbenzene	5.000	4.921	1.6	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	5.000	5.160	-3.2	100	0.00
62 TMP 1,2,3-Trichloropropane	5.000	4.739	5.2	100	0.00
63 TMP 2-Chlorotoluene	5.000	4.969	0.6	100	0.00
64 TMP 4-Chlorotoluene	5.000	4.862	2.8	100	0.00
65 TMP tert-Butylbenzene	5.000	4.679	6.4	100	0.00
66 TMP 1,2,4-Trimethylbenzene	5.000	4.776	4.5	100	0.00
67 TMP sec-Butylbenzene	5.000	4.846	3.1	100	0.00
68 TMP p-Isopropyltoluene	5.000	4.787	4.3	100	0.00
69 TMP 1,3-Dichlorobenzene	5.000	4.851	3.0	100	0.00
70 TMP 1,4-Dichlorobenzene	5.000	4.861	2.8	100	0.00
71 TMP 1,2-Dichlorobenzene	5.000	4.875	2.5	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	5.000	4.652	7.0	100	0.00
73 TMP 1,2,4-Trichlorobenzene	5.000	4.513	9.7	100	0.00
74 TMP Hexachlorobutadiene	5.000	4.605	7.9	100	0.00
75 TMP Naphthalene	5.000	4.473	10.5	100	0.00
76 TMP 1,2,3-Trichlorobenzene	5.000	4.612	7.8	100	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110513.D
 Acq On : 05 Nov 2022 02:16 pm
 Operator : VM
 Sample : 5 ppb 8260 ICAL 67-177M
 Misc : soil/water
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:23 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I Fluorobenzene	1.000	1.000	0.0	100	-0.01
2 TMP Ethanol	0.000	0.000#	0.0	0#	0.00
3 S Dibromofluoromethane	0.321	0.312	2.8	100	0.00
4 TMP Dichlorodifluoromethane	0.800	0.729	8.9	100	-0.01
5 TMP Chloromethane	0.488	0.473	3.1	100	-0.01
6 TMP Vinyl chloride	0.510	0.478	6.3	100	-0.01
7 TMP Bromomethane	0.432	0.422	2.3	86	-0.01
8 TMP Chloroethane	0.229	0.227	0.9	100	-0.01
9 TMP Trichlorofluoromethane	1.123	1.114	0.8	100	0.03
10 TMP 2-Propanol	0.000	0.000	0.0	0#	0.00
11 TMP Acetone	0.029	0.023	20.7#	100	0.00
12 TMP 1,1-Dichloroethene	0.285	0.272	4.6	100	-0.01
13 TMP Hexane	0.323	0.304	5.9	100	0.00
14 TMP Methylene chloride	0.289	0.327	-13.1	100	0.00
15 TMP t-Butyl alcohol (TBA)	0.024	0.021#	12.5	100	0.00
16 TMP Methyl t-butyl ether (MTBE)	0.666	0.628	5.7	100	0.00
17 TMP trans-1,2-Dichloroethene	0.318	0.301	5.3	100	-0.01
18 TMP Diisopropyl ether (DIPE)	0.698	0.652	6.6	100	0.00
19 TMP 1,1-Dichloroethane	0.463	0.435	6.0	100	0.00
20 TMP Ethyl t-butyl ether (ETBE)	0.258	0.223	13.6	100	-0.01
21 TMP 2,2-Dichloropropane	0.258	0.216	16.3	100	-0.01
22 TMP cis-1,2-Dichloroethene	0.333	0.325	2.4	100	0.00
23 TMP Chloroform	0.539	0.520	3.5	100	0.00
24 TMP 2-Butanone (MEK)	0.132	0.097	26.5#	100	0.00
25 TMP t-Amyl methyl ether (TAME)	0.540	0.489#	9.4	100	0.00
26 TMP 1,2-Dichloroethane (EDC)	0.465	0.405	12.9	99	-0.01
27 TMP 1,1,1-Trichloroethane	0.482	0.436	9.5	100	0.00
28 TMP 1,1-Dichloropropene	0.370	0.347	6.2	100	0.00
29 TMP Carbon tetrachloride	0.485	0.428	11.8	100	0.00
30 S 1,2-Dichloroethane-d4	0.062	0.060	3.2	100	0.00
31 TMP Benzene	1.118	1.037	7.2	100	0.00
32 TMP Trichloroethene	0.367	0.343	6.5	100	0.00
33 TMP 1,2-Dichloropropane	0.241	0.227	5.8	100	0.00
34 TMP Bromodichloromethane	0.387	0.363	6.2	100	0.00
35 S Toluene-d8	0.954	0.947	0.7	100	0.00
36 TMP Dibromomethane	0.219	0.196	10.5	100	-0.01
37 TMP 4-Methyl-2-pentanone	0.042	0.036	14.3	100	0.00
38 TMP cis-1,3-Dichloropropene	0.360	0.308	14.4	100	0.00
39 I Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40 TMP Toluene	0.907	0.796	12.2	100	0.00
41 TMP trans-1,3-Dichloropropene	0.366	0.305	16.7	100	0.00
42 TMP 1,1,2-Trichloroethane	0.285	0.255	10.5	100	0.00
43 TMP 2-Hexanone	0.190	0.168	11.6	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110513.D
 Acq On : 05 Nov 2022 02:16 pm
 Operator : VM
 Sample : 5 ppb 8260 ICAL 67-177M
 Misc : soil/water
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:23 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.457	0.450	1.5	100	-0.01
45 TMP Tetrachloroethene	0.460	0.402	12.6	100	0.00
46 TMP Dibromochloromethane	0.451	0.406	10.0	100	-0.01
47 TMP 1,2-Dibromoethane (EDB)	0.360	0.326	9.4	100	0.00
48 TMP Chlorobenzene	0.993	0.939	5.4	100	0.00
49 TMP Ethylbenzene	1.557	1.456	6.5	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.387	0.347	10.3	100	0.00
51 TMP m,p-Xylene	0.612	0.566	7.5	100	0.00
52 TMP o-Xylene	0.591	0.545	7.8	100	0.00
53 TMP Styrene	0.887	0.815	8.1	100	0.00
54 TMP Isopropylbenzene	1.435	1.385	3.5	100	0.00
55 TMP Bromoform	0.299	0.268	10.4	100	0.00
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	0.689	0.691	-0.3	100	0.00
58 TMP n-Propylbenzene	2.700	2.669	1.1	100	0.00
59 TMP Bromobenzene	0.837	0.795	5.0	100	0.00
60 TMP 1,3,5-Trimethylbenzene	1.968	1.937	1.6	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.626	0.609	2.7	100	0.00
62 TMP 1,2,3-Trichloropropane	0.486	0.461#	5.1	100	0.00
63 TMP 2-Chlorotoluene	1.617	1.607	0.6	100	0.00
64 TMP 4-Chlorotoluene	1.912	1.859	2.8	100	0.00
65 TMP tert-Butylbenzene	1.952	1.827	6.4	100	0.00
66 TMP 1,2,4-Trimethylbenzene	1.996	1.907	4.5	100	0.00
67 TMP sec-Butylbenzene	2.624	2.543	3.1	100	0.00
68 TMP p-Isopropyltoluene	2.387	2.285	4.3	100	0.00
69 TMP 1,3-Dichlorobenzene	1.530	1.484	3.0	100	0.00
70 TMP 1,4-Dichlorobenzene	1.564	1.521	2.7	100	0.00
71 TMP 1,2-Dichlorobenzene	1.455	1.418	2.5	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	0.108	0.100	7.4	100	0.00
73 TMP 1,2,4-Trichlorobenzene	0.971	0.876	9.8	100	0.00
74 TMP Hexachlorobutadiene	0.600	0.552	8.0	100	0.00
75 TMP Naphthalene	1.833	1.634	10.9	100	0.00
76 TMP 1,2,3-Trichlorobenzene	0.846	0.780	7.8	100	0.00

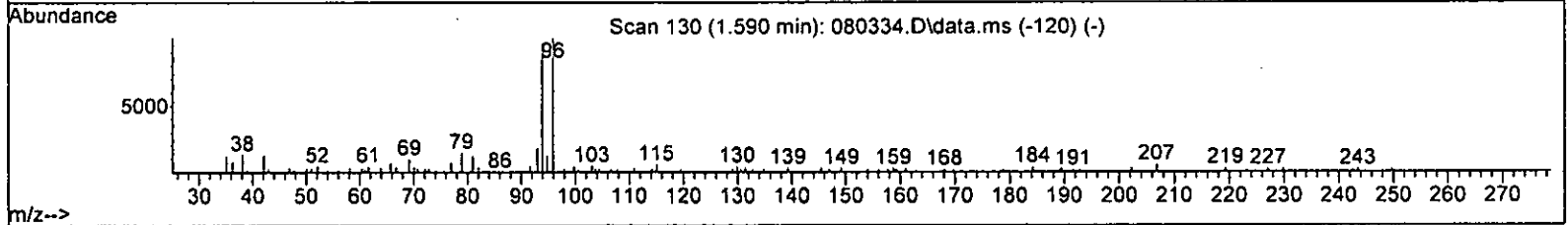
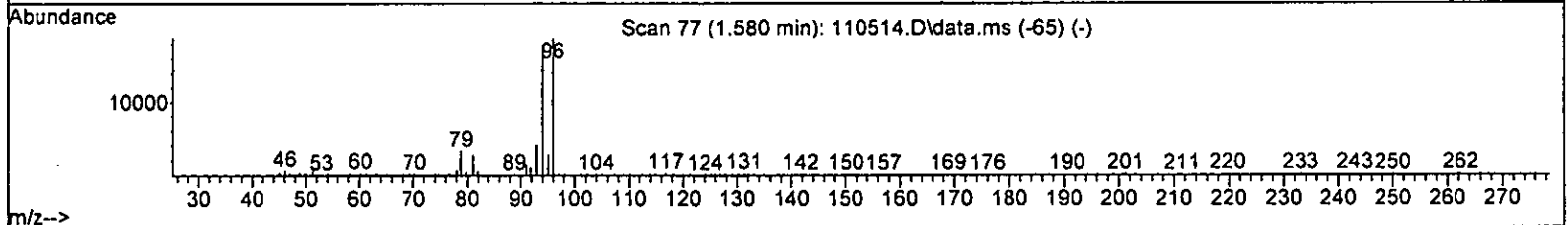
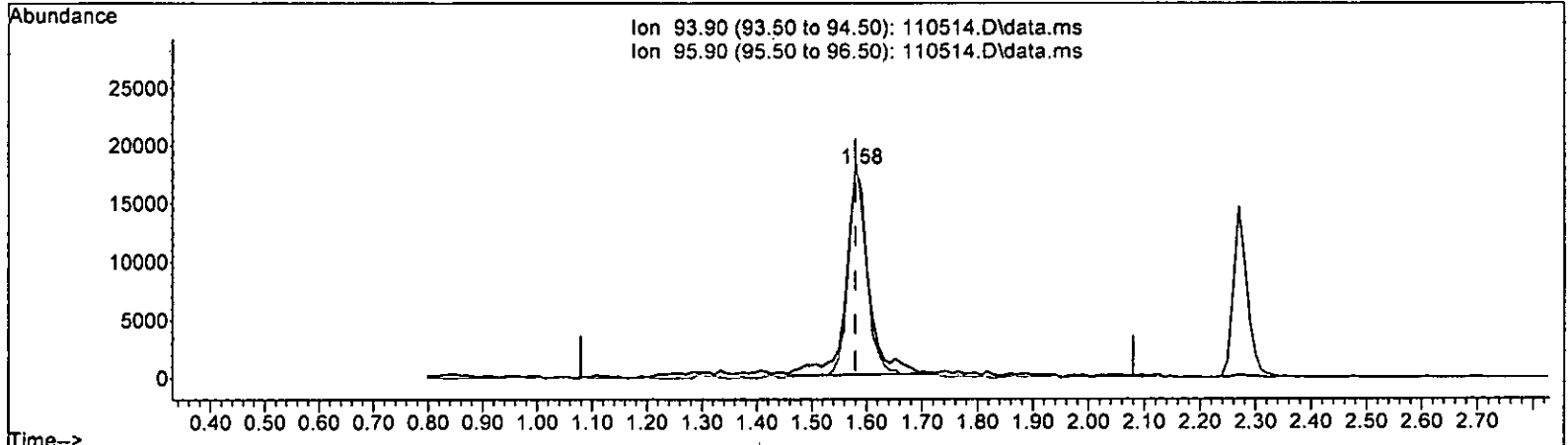
(#) = Out of Range

SPCC's out = 4 CCC's out = 0

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110514.D
 Acq On : 05 Nov 2022 02:39 pm
 Operator : VM
 Sample : 10 ppb 8260 ICAL 67-177N
 Misc : soil/water
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:25 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110514.D\data.ms

(7) Bromomethane (TMP)

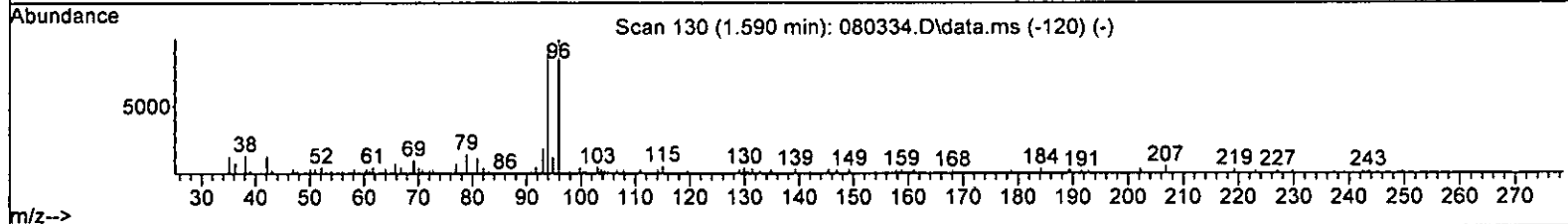
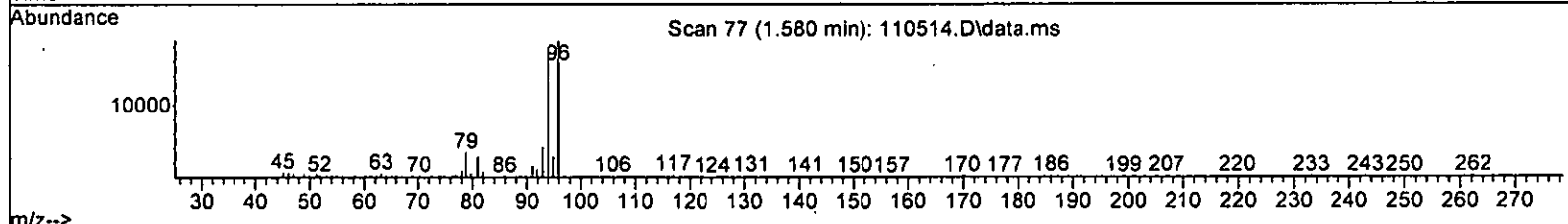
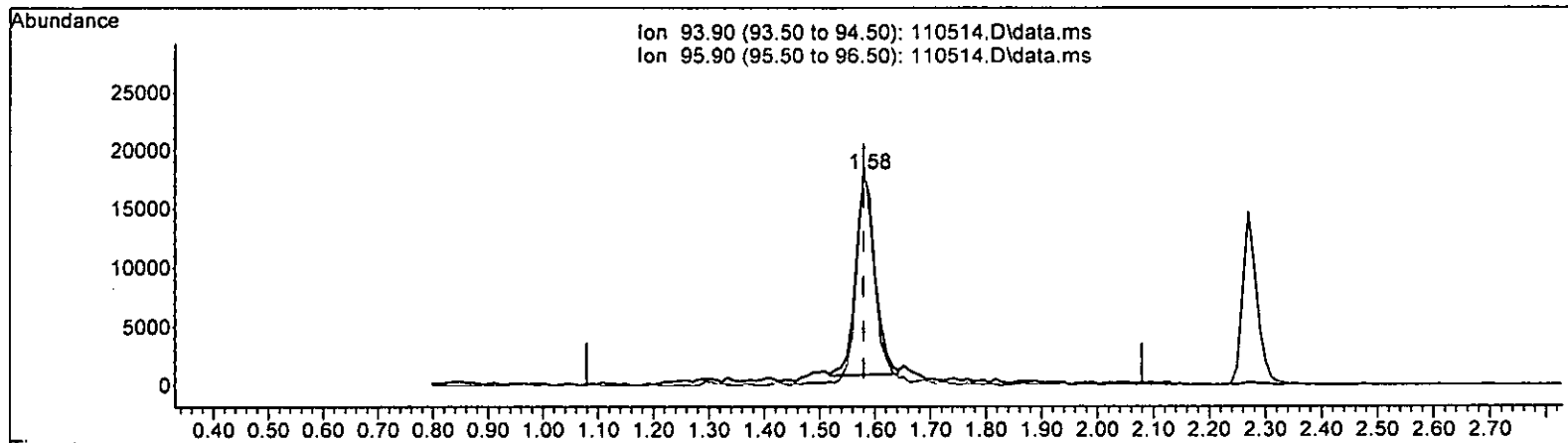
1.580min (+ 0.000) 11.319 ppb

response	51007
Ion	Exp% Act%
93.90	100.00 100.00
95.90	93.50 105.91
0.00	0.00 0.00
0.00	0.00 0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110514.D
 Acq On : 05 Nov 2022 02:39 pm
 Operator : VM
 Sample : 10 ppb 8260 ICAL 67-177N
 Misc : soil/water
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:25 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110514.D\data.ms

(7) Bromomethane (TMP)

1.580min (+ 0.000) 9.187 ppb m

response	41401
Ion	Exp% Act%
93.90	100.00 100.00
95.90	93.50 104.66
0.00	0.00 0.00
0.00	0.00 0.00

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110514.D
 Acq On : 05 Nov 2022 02:39 pm
 Operator : VM
 Sample : 10 ppb 8260 ICAL 67-177N
 Misc : soil/water
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:25 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	4.75	96	104308	10.000	ppb	0.00
39) Chlorobenzene-d5	7.41	117	87057	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	51133	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.18	113	33344	9.968	ppb	0.00
Spiked Amount	10.000	Range	50 - 150	Recovery	=	99.70%
30) 1,2-Dichloroethane-d4	4.45	102	6805	10.498	ppb	0.00
Spiked Amount	10.000	Range	84 - 120	Recovery	=	105.00%
35) Toluene-d8	6.11	98	101519	10.205	ppb	0.00
Spiked Amount	10.000	Range	73 - 128	Recovery	=	102.00%
57) 4-Bromofluorobenzene	8.51	95	35310	10.022	ppb	0.00
Spiked Amount	10.000	Range	57 - 146	Recovery	=	100.20%
Target Compounds						
						Qvalue
2) Ethanol	2.33	45	337	No Calib		
4) Dichlorodifluoromethane	1.12	85	82454	9.881	ppb	99
5) Chloromethane	1.26	50	52455	10.302	ppb	96
6] Vinyl chloride	1.34	62	52244	9.826	ppb	95
7) Bromomethane	1.58	94	41401m	9.187	ppb	
8] Chloroethane	1.65	64	24645	10.332	ppb	96
9) Trichlorofluoromethane	1.83	101	113746	9.710	ppb	93
10) 2-Propanol	2.33	45	337	No Calib	#	
11) Acetone	2.33	58	15004	54.589	ppb	90
12] 1,1-Dichloroethene	2.27	96	29285	9.854	ppb	89
13) Hexane	3.16	57	34044	10.096	ppb	96
14) Methylene chloride	2.68	84	31652	10.138	ppb	94
15) t-Butyl alcohol (TBA)	2.82	59	12685	50.668	ppb	92
16] Methyl t-butyl ether (...)	2.93	73	70284	10.120	ppb	98
17] trans-1,2-Dichloroethene	2.92	96	32760	9.862	ppb	92
18) Diisopropyl ether (DIPE)	3.35	45	70407	9.674	ppb	100
19] 1,1-Dichloroethane	3.27	63	49510	10.243	ppb	98
20) Ethyl t-butyl ether (E...)	3.66	87	25865	9.626	ppb	# 90
21) 2,2-Dichloropropane	3.77	77	23624	9.405	ppb	97
22] cis-1,2-Dichloroethene	3.77	96	35146	10.114	ppb	96
23) Chloroform	4.04	83	55529	9.884	ppb	95
24) 2-Butanone (MEK)	3.80	43	68680	52.470	ppb	99
25) t-Amyl methyl ether (T...)	4.61	73	56141	9.959	ppb	95
26] 1,2-Dichloroethane (EDC)	4.53	62	44319	10.457	ppb	98
27] 1,1,1-Trichloroethane	4.19	97	49472	9.844	ppb	95
28) 1,1-Dichloropropene	4.33	75	38299	10.159	ppb	99
29) Carbon tetrachloride	4.33	117	48992	9.682	ppb	99
31] Benzene	4.50	78	114400	9.807	ppb	97
32] Trichloroethene	5.05	95	37097	9.703	ppb	85
33) 1,2-Dichloropropane	5.24	63	24611	9.792	ppb	97
34) Bromodichloromethane	5.48	83	41413	10.269	ppb	94
36) Dibromomethane	5.35	93	22692	9.913	ppb	87

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110514.D
 Acq On : 05 Nov 2022 02:39 pm
 Operator : VM
 Sample : 10 ppb 8260 ICAL 67-177N
 Misc : soil/water
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS13

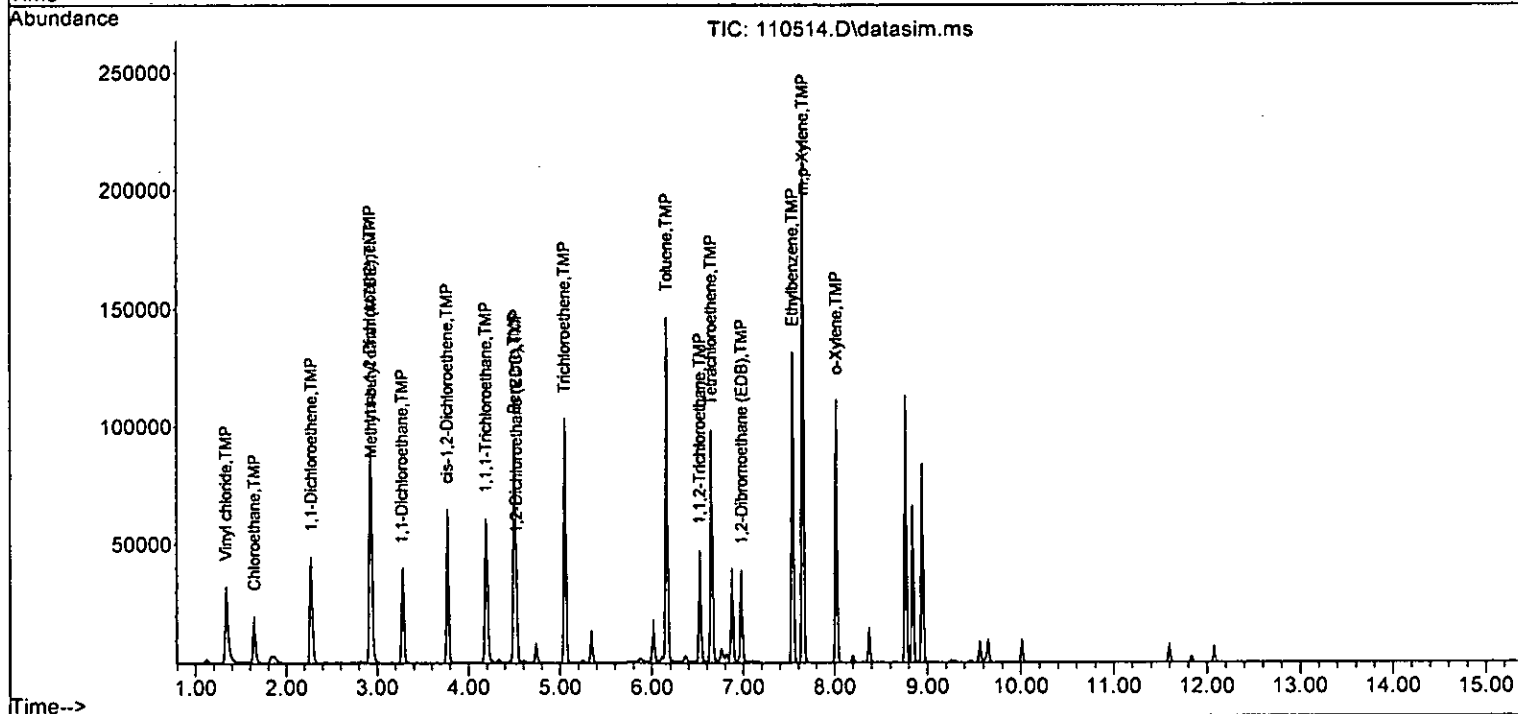
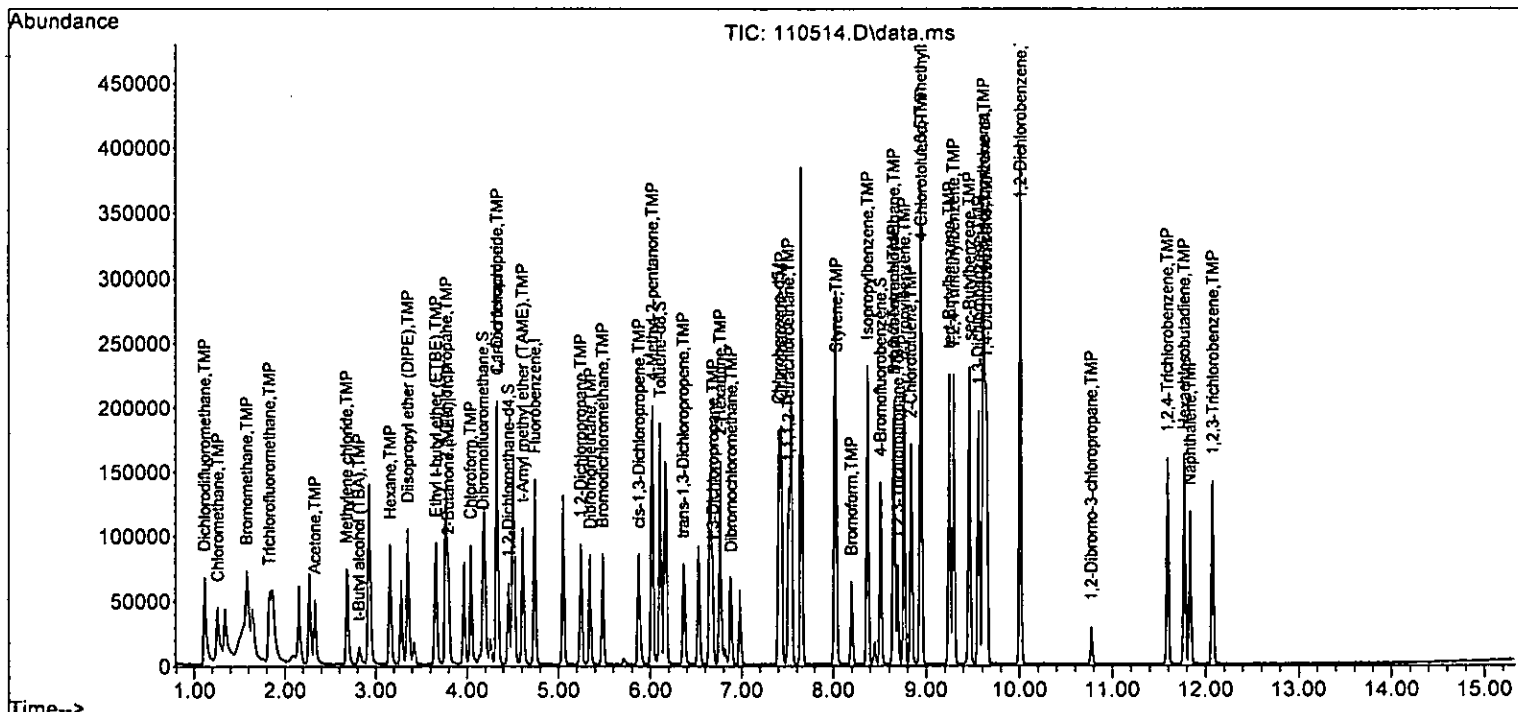
Quant Time: Nov 07 15:17:25 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	6.02	85	22592	51.053	ppb	87
38) cis-1,3-Dichloropropene	5.88	75	34553	9.199	ppb	92
40] Toluene	6.16	92	72112	10.334	ppb	98
41) trans-1,3-Dichloropropene	6.36	75	28870	9.423	ppb	89
42] 1,1,2-Trichloroethane	6.53	83	23239	10.318	ppb	92
43) 2-Hexanone	6.76	43	83273	50.462	ppb	95
44) 1,3-Dichloropropane	6.68	76	39919	10.029	ppb	99
45] Tetrachloroethene	6.65	164	35768	10.402	ppb	96
46) Dibromochloromethane	6.89	129	36547	9.760	ppb	100
47] 1,2-Dibromoethane (EDB)	6.98	107	30662	9.796	ppb	99
48) Chlorobenzene	7.43	112	84024	9.720	ppb	96
49] Ethylbenzene	7.54	91	132199	9.753	ppb	96
50) 1,1,1,2-Tetrachloroethane	7.51	131	31977	9.502	ppb	96
51] m,p-Xylene	7.65	106	104427	19.606	ppb	91
52] o-Xylene	8.02	106	50131	9.748	ppb	89
53) Styrene	8.03	104	77903	10.086	ppb	97
54) Isopropylbenzene	8.37	105	125406	10.035	ppb	95
55) Bromoform	8.20	173	25019	9.611	ppb	99
58) n-Propylbenzene	8.77	91	142590	10.329	ppb	90
59) Bromobenzene	8.65	156	42431	9.909	ppb #	77
60) 1,3,5-Trimethylbenzene	8.94	105	101060	10.045	ppb	94
61) 1,1,2,2-Tetrachloroethane	8.65	83	31804	10.662	ppb	98
62) 1,2,3-Trichloropropane	8.70	75	24300	9.774	ppb	94
63) 2-Chlorotoluene	8.84	91	84235	10.189	ppb	92
64) 4-Chlorotoluene	8.95	91	97390	9.962	ppb	85
65) tert-Butylbenzene	9.25	119	96957	9.715	ppb	94
66) 1,2,4-Trimethylbenzene	9.30	105	103049	10.095	ppb	93
67) sec-Butylbenzene	9.46	105	134934	10.057	ppb	98
68) p-Isopropyltoluene	9.61	119	122277	10.019	ppb	97
69) 1,3-Dichlorobenzene	9.56	146	77024	9.849	ppb	96
70) 1,4-Dichlorobenzene	9.64	146	78396	9.803	ppb	99
71) 1,2-Dichlorobenzene	10.01	146	75064	10.092	ppb	97
72) 1,2-Dibromo-3-chloropr...	10.77	75	5363	9.720	ppb	94
73) 1,2,4-Trichlorobenzene	11.59	180	46976	9.466	ppb	99
74) Hexachlorobutadiene	11.77	225	29590	9.649	ppb	96
75) Naphthalene	11.83	128	88116	9.287	ppb	99
76) 1,2,3-Trichlorobenzene	12.08	180	41267	9.540	ppb	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110514.D
 Acq On : 05 Nov 2022 02:39 pm
 Operator : VM
 Sample : 10 ppb 8260 ICAL 67-177N
 Misc : soil/water
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:25 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110514.D
 Acq On : 05 Nov 2022 02:39 pm
 Operator : VM
 Sample : 10 ppb 8260 ICAL 67-177N
 Misc : soil/water
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 InstName : GCMS13

Quant Time: Nov 07 15:17:25 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I Fluorobenzene	10.000	10.000	0.0	100	0.00
2 TMP Ethanol	-1.000	0.000	0.0	0	0.00
3 S Dibromofluoromethane	10.000	9.968	0.3	100	0.00
4 TMP Dichlorodifluoromethane	10.000	9.881	1.2	100	0.00
5 TMP Chloromethane	10.000	10.302	-3.0	100	0.00
6 TMP Vinyl chloride	10.000	9.826	1.7	100	0.00
7 TMP Bromomethane	10.000	9.187	8.1	81	0.00
8 TMP Chloroethane	10.000	10.332	-3.3	100	0.00
9 TMP Trichlorofluoromethane	10.000	9.710	2.9	100	0.00
10 TMP 2-Propanol	-1.000	0.000	0.0	0	0.00
11 TMP Acetone	50.000	54.589	-9.2	100	0.00
12 TMP 1,1-Dichloroethene	10.000	9.854	1.5	100	0.00
13 TMP Hexane	10.000	10.096	-1.0	100	0.00
14 TMP Methylene chloride	10.000	10.138	-1.4	100	0.00
15 TMP t-Butyl alcohol (TBA)	50.000	50.668	-1.3	100	0.00
16 TMP Methyl t-butyl ether (MTBE)	10.000	10.120	-1.2	100	0.00
17 TMP trans-1,2-Dichloroethene	10.000	9.862	1.4	100	0.00
18 TMP Diisopropyl ether (DIPE)	10.000	9.674	3.3	100	0.00
19 TMP 1,1-Dichloroethane	10.000	10.243	-2.4	100	0.00
20 TMP Ethyl t-butyl ether (ETBE)	10.000	9.626	3.7	100	0.00
21 TMP 2,2-Dichloropropane	10.000	9.405	6.0	100	0.00
22 TMP cis-1,2-Dichloroethene	10.000	10.114	-1.1	100	0.00
23 TMP Chloroform	10.000	9.884	1.2	100	0.00
24 TMP 2-Butanone (MEK)	50.000	52.470	-4.9	100	0.00
25 TMP t-Amyl methyl ether (TAME)	10.000	9.959	0.4	100	0.00
26 TMP 1,2-Dichloroethane (EDC)	10.000	10.457	-4.6	100	0.00
27 TMP 1,1,1-Trichloroethane	10.000	9.844	1.6	100	0.00
28 TMP 1,1-Dichloropropene	10.000	10.159	-1.6	100	0.00
29 TMP Carbon tetrachloride	10.000	9.682	3.2	100	0.00
30 S 1,2-Dichloroethane-d4	10.000	10.498	-5.0	100	0.00
31 TMP Benzene	10.000	9.807	1.9	100	0.00
32 TMP Trichloroethene	10.000	9.703	3.0	100	0.00
33 TMP 1,2-Dichloropropane	10.000	9.792	2.1	100	0.00
34 TMP Bromodichloromethane	10.000	10.269	-2.7	100	0.00
35 S Toluene-d8	10.000	10.205	-2.1	100	0.00
36 TMP Dibromomethane	10.000	9.913	0.9	100	0.00
37 TMP 4-Methyl-2-pentanone	50.000	51.053	-2.1	100	0.00
38 TMP cis-1,3-Dichloropropene	10.000	9.199	8.0	100	0.00
39 I Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40 TMP Toluene	10.000	10.334	-3.3	100	0.00
41 TMP trans-1,3-Dichloropropene	10.000	9.423	5.8	100	0.00
42 TMP 1,1,2-Trichloroethane	10.000	10.318	-3.2	100	0.00
43 TMP 2-Hexanone	50.000	50.462	-0.9	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110514.D
 Acq On : 05 Nov 2022 02:39 pm
 Operator : VM
 Sample : 10 ppb 8260 ICAL 67-177N
 Misc : soil/water
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:25 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	10.000	10.029	-0.3	100	0.00
45 TMP Tetrachloroethene	10.000	10.402	-4.0	100	0.00
46 TMP Dibromochloromethane	10.000	9.760	2.4	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	10.000	9.796	2.0	100	0.00
48 TMP Chlorobenzene	10.000	9.720	2.8	100	0.00
49 TMP Ethylbenzene	10.000	9.753	2.5	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	10.000	9.502	5.0	100	0.00
51 TMP m,p-Xylene	20.000	19.606	2.0	100	0.00
52 TMP o-Xylene	10.000	9.748	2.5	100	0.00
53 TMP Styrene	10.000	10.086	-0.9	100	0.00
54 TMP Isopropylbenzene	10.000	10.035	-0.4	100	0.00
55 TMP Bromoform	10.000	9.611	3.9	100	0.00
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	10.000	10.022	-0.2	100	0.00
58 TMP n-Propylbenzene	10.000	10.329	-3.3	100	0.00
59 TMP Bromobenzene	10.000	9.909	0.9	100	0.00
60 TMP 1,3,5-Trimethylbenzene	10.000	10.045	-0.4	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	10.000	10.662	-6.6	100	0.00
62 TMP 1,2,3-Trichloropropane	10.000	9.774	2.3	100	0.00
63 TMP 2-Chlorotoluene	10.000	10.189	-1.9	100	0.00
64 TMP 4-Chlorotoluene	10.000	9.962	0.4	100	0.00
65 TMP tert-Butylbenzene	10.000	9.715	2.9	100	0.00
66 TMP 1,2,4-Trimethylbenzene	10.000	10.095	-1.0	100	0.00
67 TMP sec-Butylbenzene	10.000	10.057	-0.6	100	0.00
68 TMP p-Isopropyltoluene	10.000	10.019	-0.2	100	0.00
69 TMP 1,3-Dichlorobenzene	10.000	9.849	1.5	100	0.00
70 TMP 1,4-Dichlorobenzene	10.000	9.803	2.0	100	0.00
71 TMP 1,2-Dichlorobenzene	10.000	10.092	-0.9	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	10.000	9.720	2.8	100	0.00
73 TMP 1,2,4-Trichlorobenzene	10.000	9.466	5.3	100	0.00
74 TMP Hexachlorobutadiene	10.000	9.649	3.5	100	0.00
75 TMP Naphthalene	10.000	9.287	7.1	100	0.00
76 TMP 1,2,3-Trichlorobenzene	10.000	9.540	4.6	100	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110514.D
 Acq On : 05 Nov 2022 02:39 pm
 Operator : VM
 Sample : 10 ppb 8260 ICAL 67-177N
 Misc : soil/water
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:25 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2 TMP	Ethanol	0.000	0.000#	0.0	0#	0.00
3 S	Dibromofluoromethane	0.321	0.320	0.3	100	0.00
4 TMP	Dichlorodifluoromethane	0.800	0.790	1.3	100	0.00
5 TMP	Chloromethane	0.488	0.503	-3.1	100	0.00
6 TMP	Vinyl chloride	0.510	0.501	1.8	100	0.00
7 TMP	Bromomethane	0.432	0.397	8.1	81	0.00
8 TMP	Chloroethane	0.229	0.236	-3.1	100	0.00
9 TMP	Trichlorofluoromethane	1.123	1.090	2.9	100	0.00
10 TMP	2-Propanol	0.000	0.000	0.0	0#	0.00
11 TMP	Acetone	0.029	0.029	0.0	100	0.00
12 TMP	1,1-Dichloroethene	0.285	0.281	1.4	100	0.00
13 TMP	Hexane	0.323	0.326	-0.9	100	0.00
14 TMP	Methylene chloride	0.289	0.303	-4.8	100	0.00
15 TMP	t-Butyl alcohol (TBA)	0.024	0.024#	0.0	100	0.00
16 TMP	Methyl t-butyl ether (MTBE)	0.666	0.674	-1.2	100	0.00
17 TMP	trans-1,2-Dichloroethene	0.318	0.314	1.3	100	0.00
18 TMP	Diisopropyl ether (DIPE)	0.698	0.675	3.3	100	0.00
19 TMP	1,1-Dichloroethane	0.463	0.475	-2.6	100	0.00
20 TMP	Ethyl t-butyl ether (ETBE)	0.258	0.248	3.9	100	0.00
21 TMP	2,2-Dichloropropane	0.258	0.226	12.4	100	0.00
22 TMP	cis-1,2-Dichloroethene	0.333	0.337	-1.2	100	0.00
23 TMP	Chloroform	0.539	0.532	1.3	100	0.00
24 TMP	2-Butanone (MEK)	0.132	0.132	0.0	100	0.00
25 TMP	t-Amyl methyl ether (TAME)	0.540	0.538	0.4	100	0.00
26 TMP	1,2-Dichloroethane (EDC)	0.465	0.425	8.6	100	0.00
27 TMP	1,1,1-Trichloroethane	0.482	0.474	1.7	100	0.00
28 TMP	1,1-Dichloropropane	0.370	0.367	0.8	100	0.00
29 TMP	Carbon tetrachloride	0.485	0.470	3.1	100	0.00
30 S	1,2-Dichloroethane-d4	0.062	0.065	-4.8	100	0.00
31 TMP	Benzene	1.118	1.097	1.9	100	0.00
32 TMP	Trichloroethene	0.367	0.356	3.0	100	0.00
33 TMP	1,2-Dichloropropane	0.241	0.236	2.1	100	0.00
34 TMP	Bromodichloromethane	0.387	0.397	-2.6	100	0.00
35 S	Toluene-d8	0.954	0.973	-2.0	100	0.00
36 TMP	Dibromomethane	0.219	0.218	0.5	100	0.00
37 TMP	4-Methyl-2-pentanone	0.042	0.043	-2.4	100	0.00
38 TMP	cis-1,3-Dichloropropene	0.360	0.331	8.1	100	0.00
39 I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40 TMP	Toluene	0.907	0.828	8.7	100	0.00
41 TMP	trans-1,3-Dichloropropene	0.366	0.332	9.3	100	0.00
42 TMP	1,1,2-Trichloroethane	0.285	0.267	6.3	100	0.00
43 TMP	2-Hexanone	0.190	0.191	-0.5	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110514.D
 Acq On : 05 Nov 2022 02:39 pm
 Operator : VM
 Sample : 10 ppb 8260 ICAL 67-177N
 Misc : soil/water
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:25 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.457	0.459	-0.4	100	0.00
45 TMP Tetrachloroethene	0.460	0.411	10.7	100	0.00
46 TMP Dibromochloromethane	0.451	0.420	6.9	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	0.360	0.352	2.2	100	0.00
48 TMP Chlorobenzene	0.993	0.965	2.8	100	0.00
49 TMP Ethylbenzene	1.557	1.519	2.4	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.387	0.367	5.2	100	0.00
51 TMP m,p-Xylene	0.612	0.600	2.0	100	0.00
52 TMP o-Xylene	0.591	0.576	2.5	100	0.00
53 TMP Styrene	0.887	0.895	-0.9	100	0.00
54 TMP Isopropylbenzene	1.435	1.441	-0.4	100	0.00
55 TMP Bromoform	0.299	0.287	4.0	100	0.00
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	0.689	0.691	-0.3	100	0.00
58 TMP n-Propylbenzene	2.700	2.789	-3.3	100	0.00
59 TMP Bromobenzene	0.837	0.830	0.8	100	0.00
60 TMP 1,3,5-Trimethylbenzene	1.968	1.976	-0.4	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.626	0.622	0.6	100	0.00
62 TMP 1,2,3-Trichloropropane	0.486	0.475#	2.3	100	0.00
63 TMP 2-Chlorotoluene	1.617	1.647	-1.9	100	0.00
64 TMP 4-Chlorotoluene	1.912	1.905	0.4	100	0.00
65 TMP tert-Butylbenzene	1.952	1.896	2.9	100	0.00
66 TMP 1,2,4-Trimethylbenzene	1.996	2.015	-1.0	100	0.00
67 TMP sec-Butylbenzene	2.624	2.639	-0.6	100	0.00
68 TMP p-Isopropyltoluene	2.387	2.391	-0.2	100	0.00
69 TMP 1,3-Dichlorobenzene	1.530	1.506	1.6	100	0.00
70 TMP 1,4-Dichlorobenzene	1.564	1.533	2.0	100	0.00
71 TMP 1,2-Dichlorobenzene	1.455	1.468	-0.9	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	0.108	0.105	2.8	100	0.00
73 TMP 1,2,4-Trichlorobenzene	0.971	0.919	5.4	100	0.00
74 TMP Hexachlorobutadiene	0.600	0.579	3.5	100	0.00
75 TMP Naphthalene	1.833	1.723	6.0	100	0.00
76 TMP 1,2,3-Trichlorobenzene	0.846	0.807	4.6	100	0.00

(#) = Out of Range

SPCC's out = 3 CCC's out = 0

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110515.D
 Acq On : 05 Nov 2022 03:03 pm
 Operator : VM
 Sample : 20 ppb 8260 ICAL 67-1770
 Misc : soil/water
 ALS Vial : 11 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:27 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	4.75	96	105008	10.000	ppb	0.00
39) Chlorobenzene-d5	7.40	117	89462	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	52775	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.18	113	33718	10.013	ppb	0.00
Spiked Amount	10.000	Range 50 - 150	Recovery	=	100.10%	
30) 1,2-Dichloroethane-d4	4.45	102	6337	9.710	ppb	0.00
Spiked Amount	10.000	Range 84 - 120	Recovery	=	97.10%	
35) Toluene-d8	6.11	98	101082	10.093	ppb	0.00
Spiked Amount	10.000	Range 73 - 128	Recovery	=	100.90%	
57) 4-Bromofluorobenzene	8.51	95	34733	9.551	ppb	0.00
Spiked Amount	10.000	Range 57 - 146	Recovery	=	95.50%	
Target Compounds						
						Qvalue
2) Ethanol	2.32	45	607	No Calib		
4) Dichlorodifluoromethane	1.11	85	154866	18.434	ppb	100
5) Chloromethane	1.25	50	98937	19.301	ppb	94
6] Vinyl chloride	1.34	62	100432	18.764	ppb	100
7) Bromomethane	1.58	94	91854	20.247	ppb	98
8] Chloroethane	1.64	64	47471	19.769	ppb	98
9) Trichlorofluoromethane	1.83	101	233636	19.811	ppb	99
10) 2-Propanol	2.32	45	607	No Calib		
11) Acetone	2.32	58	27987	101.273	ppb	94
12] 1,1-Dichloroethene	2.26	96	56156	18.770	ppb	# 71
13) Hexane	3.16	57	65322	19.242	ppb	96
14) Methylene chloride	2.68	84	59931	20.124	ppb	97
15) t-Butyl alcohol (TBA)	2.82	59	23148	91.844	ppb	83
16] Methyl t-butyl ether (...)	2.93	73	135072	19.320	ppb	98
17] trans-1,2-Dichloroethene	2.92	96	61409	18.363	ppb	98
18) Diisopropyl ether (DIPE)	3.35	45	137455	18.760	ppb	97
19] 1,1-Dichloroethane	3.27	63	93540	19.223	ppb	99
20) Ethyl t-butyl ether (E...)	3.66	87	50057	18.504	ppb	92
21) 2,2-Dichloropropane	3.76	77	45590	17.884	ppb	99
22] cis-1,2-Dichloroethene	3.77	96	66068	18.886	ppb	99
23) Chloroform	4.04	83	106690	18.863	ppb	100
24) 2-Butanone (MEK)	3.79	43	133256	101.085	ppb	97
25) t-Amyl methyl ether (T...)	4.61	73	110109	19.403	ppb	96
26] 1,2-Dichloroethane (EDC)	4.52	62	84215	19.800	ppb	92
27] 1,1,1-Trichloroethane	4.19	97	96380	19.049	ppb	96
28) 1,1-Dichloropropene	4.33	75	74331	19.559	ppb	96
29) Carbon tetrachloride	4.33	117	93871	18.427	ppb	96
31] Benzene	4.50	78	217715	18.539	ppb	99
32] Trichloroethene	5.05	95	69909	18.164	ppb	79
33) 1,2-Dichloropropane	5.24	63	47862	18.917	ppb	98
34) Bromodichloromethane	5.48	83	80311	19.782	ppb	93
36) Dibromomethane	5.35	93	42084	18.262	ppb	# 81

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110515.D
 Acq On : 05 Nov 2022 03:03 pm
 Operator : VM
 Sample : 20 ppb 8260 ICAL 67-1770
 Misc : soil/water
 ALS Vial : 11 Sample Multiplier: 1
 InstName : GCMS13

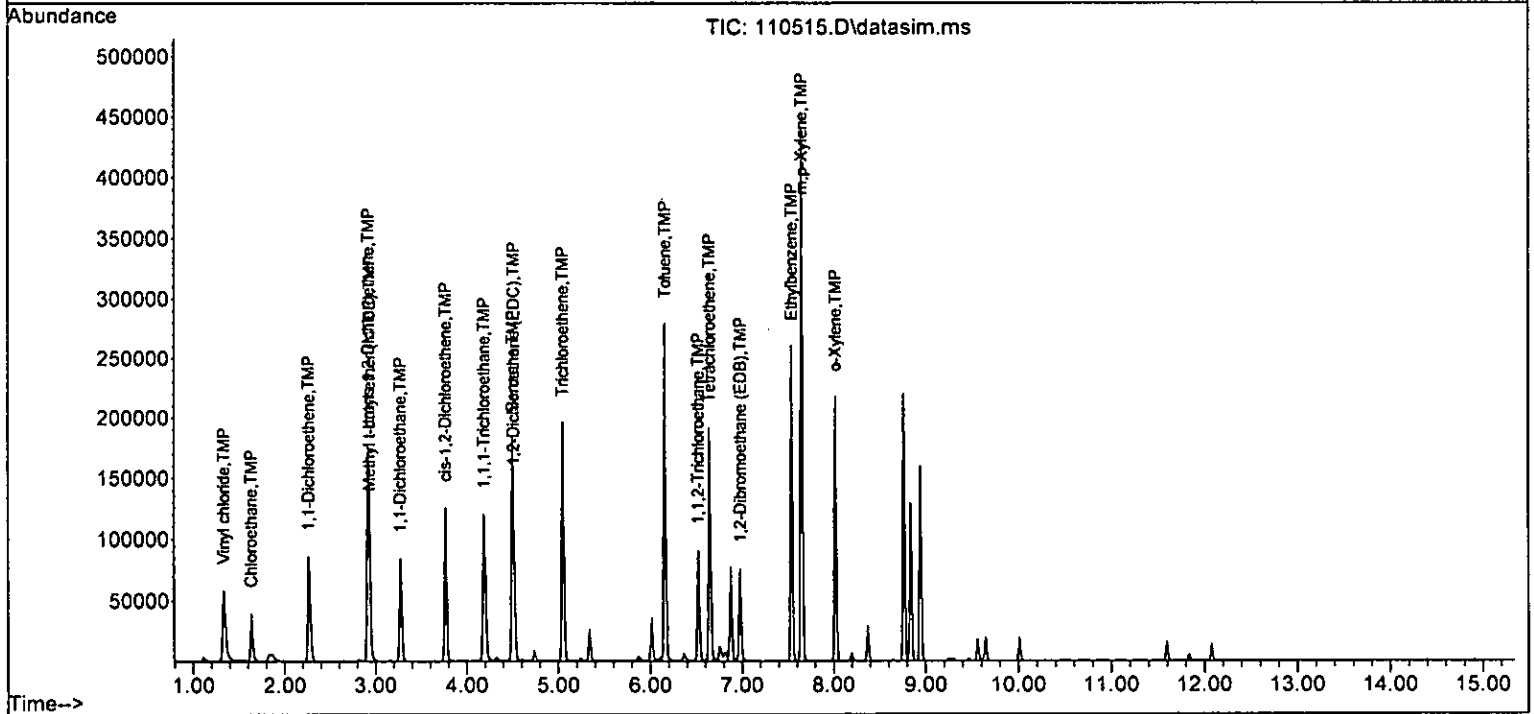
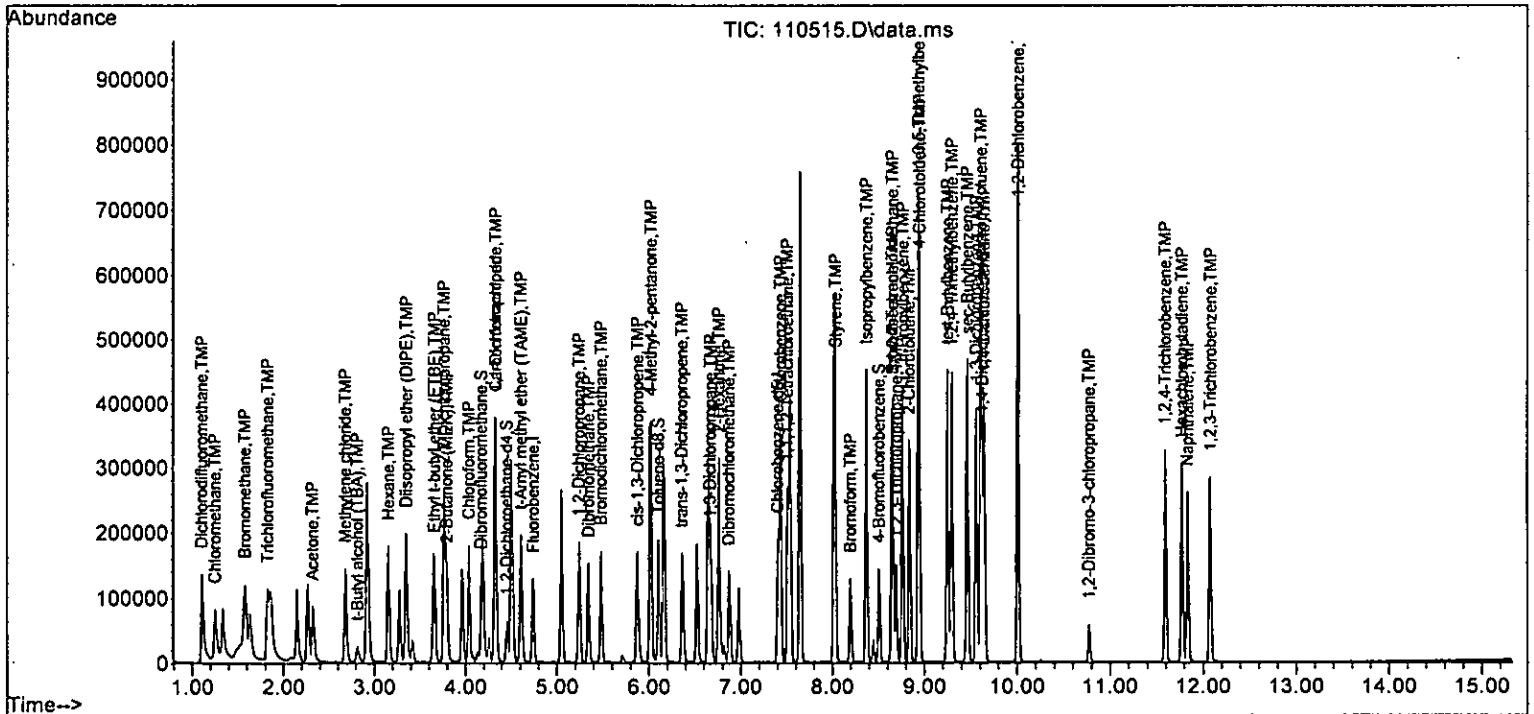
Quant Time: Nov 07 15:17:27 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	6.02	85	45279	101.638	ppb	97
38) cis-1,3-Dichloropropene	5.88	75	70729	18.705	ppb	93
40] Toluene	6.16	92	139892	19.521	ppb	97
41) trans-1,3-Dichloropropene	6.36	75	59494	18.667	ppb	91
42] 1,1,2-Trichloroethane	6.53	83	45453	19.683	ppb	90
43) 2-Hexanone	6.76	43	168998	99.657	ppb	96
44) 1,3-Dichloropropane	6.67	76	77532	18.955	ppb	98
45] Tetrachloroethene	6.65	164	68802	19.433	ppb	96
46) Dibromochloromethane	6.87	129	73622	19.026	ppb	97
47] 1,2-Dibromoethane (EDB)	6.98	107	60626	18.849	ppb	98
48) Chlorobenzene	7.43	112	167733	18.882	ppb	96
49] Ethylbenzene	7.54	91	260481	18.701	ppb	95
50) 1,1,1,2-Tetrachloroethane	7.51	131	65984	19.080	ppb	95
51] m,p-Xylene	7.65	106	204901	37.436	ppb	89
52] o-Xylene	8.02	106	98531	18.644	ppb	90
53) Styrene	8.03	104	154830	19.506	ppb	98
54) Isopropylbenzene	8.37	105	250256	19.488	ppb	96
55) Bromoform	8.20	173	49623	18.550	ppb	99
58) n-Propylbenzene	8.77	91	278485	19.546	ppb	91
59) Bromobenzene	8.65	156	81205	18.374	ppb	85
60) 1,3,5-Trimethylbenzene	8.94	105	202069	19.459	ppb	94
61) 1,1,2,2-Tetrachloroethane	8.65	83	61801	20.197	ppb	99
62) 1,2,3-Trichloropropane	8.70	75	48175	18.774	ppb	94
63) 2-Chlorotoluene	8.84	91	162962	19.099	ppb	93
64) 4-Chlorotoluene	8.95	91	193817	19.208	ppb	90
65) tert-Butylbenzene	9.25	119	194274	18.860	ppb	95
66) 1,2,4-Trimethylbenzene	9.30	105	208375	19.778	ppb	94
67) sec-Butylbenzene	9.46	105	267303	19.304	ppb	96
68) p-Isopropyltoluene	9.61	119	246519	19.570	ppb	97
69) 1,3-Dichlorobenzene	9.56	146	149710	18.547	ppb	95
70) 1,4-Dichlorobenzene	9.64	146	152776	18.509	ppb	97
71) 1,2-Dichlorobenzene	10.01	146	145355	18.935	ppb	97
72) 1,2-Dibromo-3-chloropr...	10.77	75	10358	18.189	ppb	98
73) 1,2,4-Trichlorobenzene	11.59	180	95023	18.552	ppb	95
74) Hexachlorobutadiene	11.77	225	57189	18.069	ppb	99
75) Naphthalene	11.83	128	186455	18.714	ppb	99
76) 1,2,3-Trichlorobenzene	12.08	180	84682	18.968	ppb	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110515.D
 Acq On : 05 Nov 2022 03:03 pm
 Operator : VM
 Sample : 20 ppb 8260 ICAL 67-1770
 Misc : soil/water
 ALS Vial : 11 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:27 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110515.D
 Acq On : 05 Nov 2022 03:03 pm
 Operator : VM
 Sample : 20 ppb 8260 ICAL 67-1770
 Misc : soil/water
 ALS Vial : 11 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:27 2022
 Quant Method : D:\Methods\Inst13\V8110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2 TMP	Ethanol	-1.000	0.000	0.0	0	0.00
3 S	Dibromofluoromethane	10.000	10.013	-0.1	100	0.00
4 TMP	Dichlorodifluoromethane	20.000	18.434	7.8	100	-0.01
5 TMP	Chloromethane	20.000	19.301	3.5	100	-0.01
6 TMP	Vinyl chloride	20.000	18.764	6.2	100	0.00
7 TMP	Bromomethane	20.000	20.247	-1.2	100	0.00
8 TMP	Chloroethane	20.000	19.769	1.2	100	-0.01
9 TMP	Trichlorofluoromethane	20.000	19.811	0.9	100	0.00
10 TMP	2-Propanol	-1.000	0.000	0.0	0	0.00
11 TMP	Acetone	100.000	101.273	-1.3	100	0.00
12 TMP	1,1-Dichloroethene	20.000	18.770	6.2	100	-0.01
13 TMP	Hexane	20.000	19.242	3.8	100	0.00
14 TMP	Methylene chloride	20.000	20.124	-0.6	100	0.00
15 TMP	t-Butyl alcohol (TBA)	100.000	91.844	8.2	100	0.00
16 TMP	Methyl t-butyl ether (MTBE)	20.000	19.320	3.4	100	0.00
17 TMP	trans-1,2-Dichloroethene	20.000	18.363	8.2	100	0.00
18 TMP	Diisopropyl ether (DIPE)	20.000	18.760	6.2	100	0.00
19 TMP	1,1-Dichloroethane	20.000	19.223	3.9	100	0.00
20 TMP	Ethyl t-butyl ether (ETBE)	20.000	18.504	7.5	100	0.00
21 TMP	2,2-Dichloropropane	20.000	17.884	10.6	100	-0.01
22 TMP	cis-1,2-Dichloroethene	20.000	18.886	5.6	100	0.00
23 TMP	Chloroform	20.000	18.863	5.7	100	0.00
24 TMP	2-Butanone (MEK)	100.000	101.085	-1.1	100	0.00
25 TMP	t-Amyl methyl ether (TAME)	20.000	19.403	3.0	100	0.00
26 TMP	1,2-Dichloroethane (EDC)	20.000	19.800	1.0	100	-0.01
27 TMP	1,1,1-Trichloroethane	20.000	19.049	4.8	100	0.00
28 TMP	1,1-Dichloropropene	20.000	19.559	2.2	100	0.00
29 TMP	Carbon tetrachloride	20.000	18.427	7.9	100	0.00
30 S	1,2-Dichloroethane-d4	10.000	9.710	2.9	100	0.00
31 TMP	Benzene	20.000	18.539	7.3	100	0.00
32 TMP	Trichloroethene	20.000	18.164	9.2	100	0.00
33 TMP	1,2-Dichloropropane	20.000	18.917	5.4	100	0.00
34 TMP	Bromodichloromethane	20.000	19.782	1.1	100	0.00
35 S	Toluene-d8	10.000	10.093	-0.9	100	0.00
36 TMP	Dibromomethane	20.000	18.262	8.7	100	0.00
37 TMP	4-Methyl-2-pentanone	100.000	101.638	-1.6	100	0.00
38 TMP	cis-1,3-Dichloropropene	20.000	18.705	6.5	100	0.00
39 I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40 TMP	Toluene	20.000	19.521	2.4	100	0.00
41 TMP	trans-1,3-Dichloropropene	20.000	18.667	6.7	100	0.00
42 TMP	1,1,2-Trichloroethane	20.000	19.683	1.6	100	0.00
43 TMP	2-Hexanone	100.000	99.657	0.3	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110515.D
 Acq On : 05 Nov 2022 03:03 pm
 Operator : VM
 Sample : 20 ppb 8260 ICAL 67-1770
 Misc : soil/water
 ALS Vial : 11 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:27 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP 1,3-Dichloropropane	20.000	18.955	5.2	100	-0.01
45	TMP Tetrachloroethene	20.000	19.433	2.8	100	0.00
46	TMP Dibromochloromethane	20.000	19.026	4.9	100	-0.01
47	TMP 1,2-Dibromoethane (EDB)	20.000	18.849	5.8	100	0.00
48	TMP Chlorobenzene	20.000	18.882	5.6	100	0.00
49	TMP Ethylbenzene	20.000	18.701	6.5	100	0.00
50	TMP 1,1,1,2-Tetrachloroethane	20.000	19.080	4.6	100	0.00
51	TMP m,p-Xylene	40.000	37.436	6.4	100	0.00
52	TMP o-Xylene	20.000	18.644	6.8	100	0.00
53	TMP Styrene	20.000	19.506	2.5	100	0.00
54	TMP Isopropylbenzene	20.000	19.488	2.6	100	0.00
55	TMP Bromoform	20.000	18.550	7.2	100	0.00
56	I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S 4-Bromofluorobenzene	10.000	9.551	4.5	100	0.00
58	TMP n-Propylbenzene	20.000	19.546	2.3	100	0.00
59	TMP Bromobenzene	20.000	18.374	8.1	100	0.00
60	TMP 1,3,5-Trimethylbenzene	20.000	19.459	2.7	100	0.00
61	TMP 1,1,2,2-Tetrachloroethane	20.000	20.197	-1.0	100	0.00
62	TMP 1,2,3-Trichloropropane	20.000	18.774	6.1	100	0.00
63	TMP 2-Chlorotoluene	20.000	19.099	4.5	100	0.00
64	TMP 4-Chlorotoluene	20.000	19.208	4.0	100	0.00
65	TMP tert-Butylbenzene	20.000	18.860	5.7	100	0.00
66	TMP 1,2,4-Trimethylbenzene	20.000	19.778	1.1	100	0.00
67	TMP sec-Butylbenzene	20.000	19.304	3.5	100	0.00
68	TMP p-Isopropyltoluene	20.000	19.570	2.1	100	0.00
69	TMP 1,3-Dichlorobenzene	20.000	18.547	7.3	100	0.00
70	TMP 1,4-Dichlorobenzene	20.000	18.509	7.5	100	0.00
71	TMP 1,2-Dichlorobenzene	20.000	18.935	5.3	100	0.00
72	TMP 1,2-Dibromo-3-chloropropane	20.000	18.189	9.1	100	0.00
73	TMP 1,2,4-Trichlorobenzene	20.000	18.552	7.2	100	0.00
74	TMP Hexachlorobutadiene	20.000	18.069	9.7	100	0.00
75	TMP Naphthalene	20.000	18.714	6.4	100	0.00
76	TMP 1,2,3-Trichlorobenzene	20.000	18.968	5.2	100	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110515.D
 Acq On : 05 Nov 2022 03:03 pm
 Operator : VM
 Sample : 20 ppb 8260 ICAL 67-1770
 Misc : soil/water
 ALS Vial : 11 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:27 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2 TMP	Ethanol	0.000	0.000#	0.0	0#	0.00
3 S	Dibromofluoromethane	0.321	0.321	0.0	100	0.00
4 TMP	Dichlorodifluoromethane	0.800	0.737	7.9	100	-0.01
5 TMP	Chloromethane	0.488	0.471	3.5	100	-0.01
6 TMP	Vinyl chloride	0.510	0.478	6.3	100	0.00
7 TMP	Bromomethane	0.432	0.437	-1.2	100	0.00
8 TMP	Chloroethane	0.229	0.226	1.3	100	-0.01
9 TMP	Trichlorofluoromethane	1.123	1.112	1.0	100	0.00
10 TMP	2-Propanol	0.000	0.000	0.0	0#	0.00
11 TMP	Acetone	0.029	0.027	6.9	100	0.00
12 TMP	1,1-Dichloroethene	0.285	0.267	6.3	100	-0.01
13 TMP	Hexane	0.323	0.311	3.7	100	0.00
14 TMP	Methylene chloride	0.289	0.285	1.4	100	0.00
15 TMP	t-Butyl alcohol (TBA)	0.024	0.022#	8.3	100	0.00
16 TMP	Methyl t-butyl ether (MTBE)	0.666	0.643	3.5	100	0.00
17 TMP	trans-1,2-Dichloroethene	0.318	0.292	8.2	100	0.00
18 TMP	Diisopropyl ether (DIPE)	0.698	0.654	6.3	100	0.00
19 TMP	1,1-Dichloroethane	0.463	0.445	3.9	100	0.00
20 TMP	Ethyl t-butyl ether (ETBE)	0.258	0.238	7.8	100	0.00
21 TMP	2,2-Dichloropropane	0.258	0.217	15.9	100	-0.01
22 TMP	cis-1,2-Dichloroethene	0.333	0.315	5.4	100	0.00
23 TMP	Chloroform	0.539	0.508	5.8	100	0.00
24 TMP	2-Butanone (MEK)	0.132	0.127	3.8	100	0.00
25 TMP	t-Amyl methyl ether (TAME)	0.540	0.524	3.0	100	0.00
26 TMP	1,2-Dichloroethane (EDC)	0.465	0.401	13.8	100	-0.01
27 TMP	1,1,1-Trichloroethane	0.482	0.459	4.8	100	0.00
28 TMP	1,1-Dichloropropene	0.370	0.354	4.3	100	0.00
29 TMP	Carbon tetrachloride	0.485	0.447	7.8	100	0.00
30 S	1,2-Dichloroethane-d4	0.062	0.060	3.2	100	0.00
31 TMP	Benzene	1.118	1.037	7.2	100	0.00
32 TMP	Trichloroethene	0.367	0.333	9.3	100	0.00
33 TMP	1,2-Dichloropropane	0.241	0.228	5.4	100	0.00
34 TMP	Bromodichloromethane	0.387	0.382	1.3	100	0.00
35 S	Toluene-d8	0.954	0.963	-0.9	100	0.00
36 TMP	Dibromomethane	0.219	0.200	8.7	100	0.00
37 TMP	4-Methyl-2-pentanone	0.042	0.043	-2.4	100	0.00
38 TMP	cis-1,3-Dichloropropene	0.360	0.337	6.4	100	0.00
39 I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40 TMP	Toluene	0.907	0.782	13.8	100	0.00
41 TMP	trans-1,3-Dichloropropene	0.366	0.333	9.0	100	0.00
42 TMP	1,1,2-Trichloroethane	0.285	0.254	10.9	100	0.00
43 TMP	2-Hexanone	0.190	0.189	0.5	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110515.D
 Acq On : 05 Nov 2022 03:03 pm
 Operator : VM
 Sample : 20 ppb 8260 ICAL 67-1770
 Misc : soil/water
 ALS Vial : 11 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:27 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.457	0.433	5.3	100	-0.01
45 TMP Tetrachloroethene	0.460	0.385	16.3	100	0.00
46 TMP Dibromochloromethane	0.451	0.411	8.9	100	-0.01
47 TMP 1,2-Dibromoethane (EDB)	0.360	0.339	5.8	100	0.00
48 TMP Chlorobenzene	0.993	0.937	5.6	100	0.00
49 TMP Ethylbenzene	1.557	1.456	6.5	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.387	0.369	4.7	100	0.00
51 TMP m,p-Xylene	0.612	0.573	6.4	100	0.00
52 TMP o-Xylene	0.591	0.551	6.8	100	0.00
53 TMP Styrene	0.887	0.865	2.5	100	0.00
54 TMP Isopropylbenzene	1.435	1.399	2.5	100	0.00
55 TMP Bromoform	0.299	0.277	7.4	100	0.00
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	0.689	0.658	4.5	100	0.00
58 TMP n-Propylbenzene	2.700	2.638	2.3	100	0.00
59 TMP Bromobenzene	0.837	0.769	8.1	100	0.00
60 TMP 1,3,5-Trimethylbenzene	1.968	1.914	2.7	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.626	0.586	6.4	100	0.00
62 TMP 1,2,3-Trichloropropane	0.486	0.456#	6.2	100	0.00
63 TMP 2-Chlorotoluene	1.617	1.544	4.5	100	0.00
64 TMP 4-Chlorotoluene	1.912	1.836	4.0	100	0.00
65 TMP tert-Butylbenzene	1.952	1.841	5.7	100	0.00
66 TMP 1,2,4-Trimethylbenzene	1.996	1.974	1.1	100	0.00
67 TMP sec-Butylbenzene	2.624	2.532	3.5	100	0.00
68 TMP p-Isopropyltoluene	2.387	2.336	2.1	100	0.00
69 TMP 1,3-Dichlorobenzene	1.530	1.418	7.3	100	0.00
70 TMP 1,4-Dichlorobenzene	1.564	1.447	7.5	100	0.00
71 TMP 1,2-Dichlorobenzene	1.455	1.377	5.4	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	0.108	0.098	9.3	100	0.00
73 TMP 1,2,4-Trichlorobenzene	0.971	0.900	7.3	100	0.00
74 TMP Hexachlorobutadiene	0.600	0.542	9.7	100	0.00
75 TMP Naphthalene	1.833	1.767	3.6	100	0.00
76 TMP 1,2,3-Trichlorobenzene	0.846	0.802	5.2	100	0.00

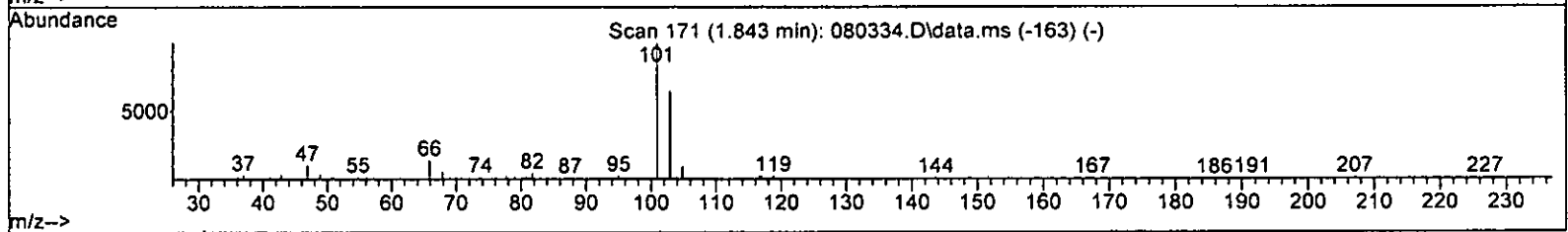
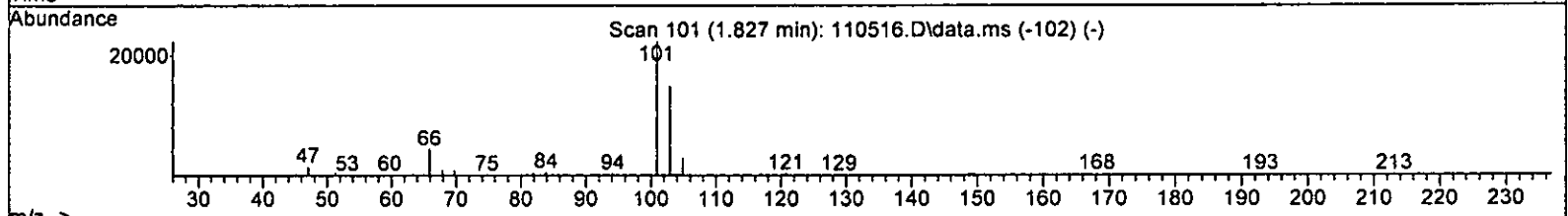
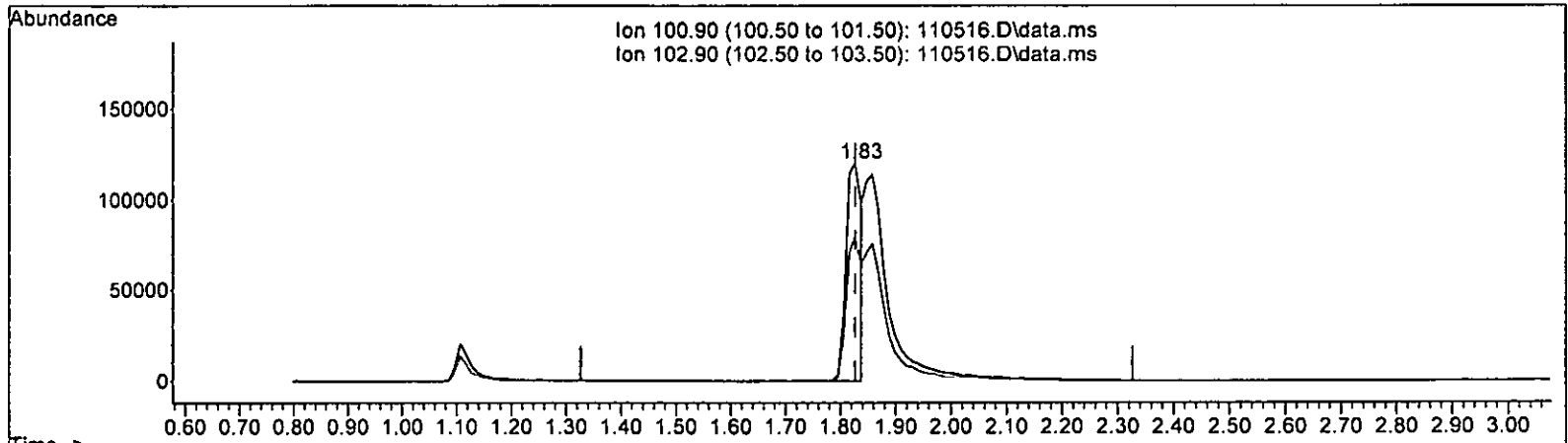
(#) = Out of Range

SPCC's out = 3 CCC's out = 0

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110516.D
 Acq On : 05 Nov 2022 03:26 pm
 Operator : VM
 Sample : 50 ppb 8260 ICAL 67-177Q
 Misc : soil/water
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:29 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110516.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.827min (-0.000) 19.654 ppb

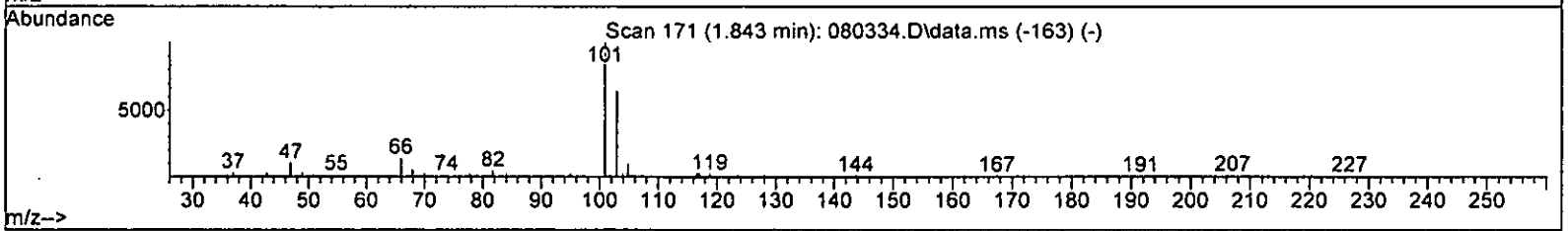
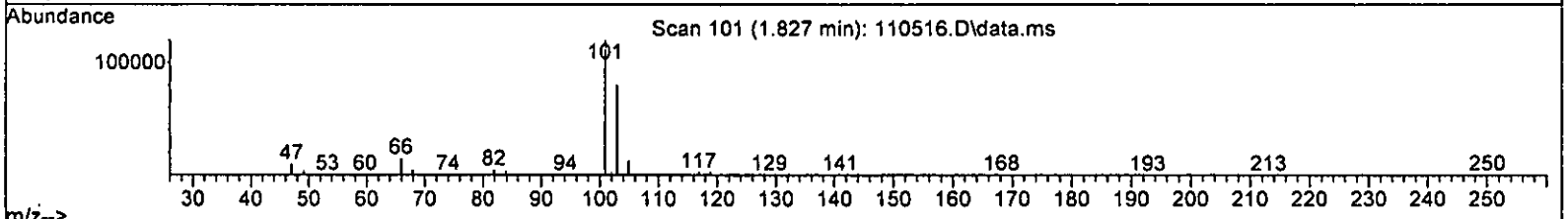
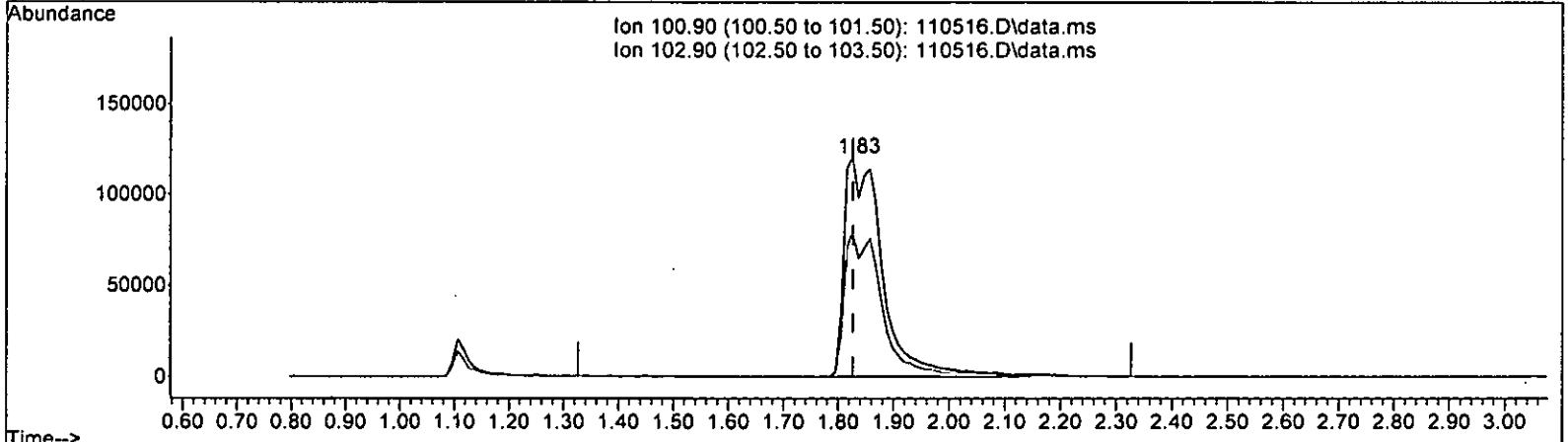
response 230351

Ion	Exp%	Act%
100.90	100.00	100.00
102.90	65.30	66.20
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110516.D
 Acq On : 05 Nov 2022 03:26 pm
 Operator : VM
 Sample : 50 ppb 8260 ICAL 67-177Q
 Misc : soil/water
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:29 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110516.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.827min (-0.000) 51.517 ppb m

response 603804

Ion	Exp%	Act%
100.90	100.00	100.00
102.90	65.30	66.20
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110516.D
 Acq On : 05 Nov 2022 03:26 pm
 Operator : VM
 Sample : 50 ppb 8260 ICAL 67-177Q
 Misc : soil/water
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:29 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	4.75	96	104359	10.000	ppb	0.00
39) Chlorobenzene-d5	7.40	117	89151	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	54409	10.000	ppb	0.00

System Monitoring Compounds						
3) Dibromofluoromethane	4.17	113	33926	10.137	ppb	0.00
Spiked Amount	10.000	Range	50 - 150	Recovery	=	101.40%
30) 1,2-Dichloroethane-d4	4.45	102	6097	9.401	ppb	0.00
Spiked Amount	10.000	Range	84 - 120	Recovery	=	94.00%
35) Toluene-d8	6.10	98	99660	10.013	ppb	0.00
Spiked Amount	10.000	Range	73 - 128	Recovery	=	100.10%
57) 4-Bromofluorobenzene	8.51	95	35686	9.519	ppb	0.00
Spiked Amount	10.000	Range	57 - 146	Recovery	=	95.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Ethanol	2.32	45	1031	No Calib		
4) Dichlorodifluoromethane	1.11	85	425263	50.935	ppb	100
5) Chloromethane	1.25	50	259514	50.941	ppb	94
6] Vinyl chloride	1.33	62	258562	48.608	ppb	93
7) Bromomethane	1.58	94	218505	48.464	ppb	98
8] Chloroethane	1.64	64	121939	51.097	ppb	95
9) Trichlorofluoromethane	1.83	101	603804m	51.517	ppb	
10) 2-Propanol	2.32	45	1031	No Calib		
11) Acetone	2.32	58	71817	256.870	ppb	94
12] 1,1-Dichloroethene	2.26	96	142681	47.989	ppb	81
13) Hexane	3.16	57	167601	49.679	ppb	99
14) Methylene chloride	2.68	84	143663	50.173	ppb	97
15) t-Butyl alcohol (TBA)	2.82	59	62329	248.840	ppb	85
16] Methyl t-butyl ether (...)	2.92	73	351150	50.539	ppb	96
17] trans-1,2-Dichloroethene	2.91	96	158198	47.600	ppb	83
18) Diisopropyl ether (DIPE)	3.35	45	386497	53.077	ppb	98
19] 1,1-Dichloroethane	3.27	63	240681	49.769	ppb	97
20) Ethyl t-butyl ether (E...)	3.65	87	134083	49.874	ppb	92
21) 2,2-Dichloropropane	3.76	77	141859	53.787	ppb	99
22] cis-1,2-Dichloroethene	3.77	96	168576	48.489	ppb	97
23) Chloroform	4.04	83	274480	48.831	ppb	98
24) 2-Butanone (MEK)	3.79	43	338019	256.148	ppb	98
25) t-Amyl methyl ether (T...)	4.61	73	296144	52.509	ppb	95
26] 1,2-Dichloroethane (EDC)	4.52	62	212803	50.632	ppb	92
27] 1,1,1-Trichloroethane	4.19	97	259725	51.653	ppb	97
28) 1,1-Dichloropropene	4.33	75	193901	50.975	ppb	96
29) Carbon tetrachloride	4.33	117	251127	49.603	ppb	100
31] Benzene	4.50	78	550546	47.173	ppb	100
32] Trichloroethene	5.05	95	177703	46.458	ppb	# 76
33) 1,2-Dichloropropane	5.24	63	124438	49.488	ppb	97
34) Bromodichloromethane	5.48	83	208051	51.566	ppb	94
36) Dibromomethane	5.35	93	108653	47.441	ppb	# 80

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110516.D
 Acq On : 05 Nov 2022 03:26 pm
 Operator : VM
 Sample : 50 ppb 8260 ICAL 67-177Q
 Misc : soil/water
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:29 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

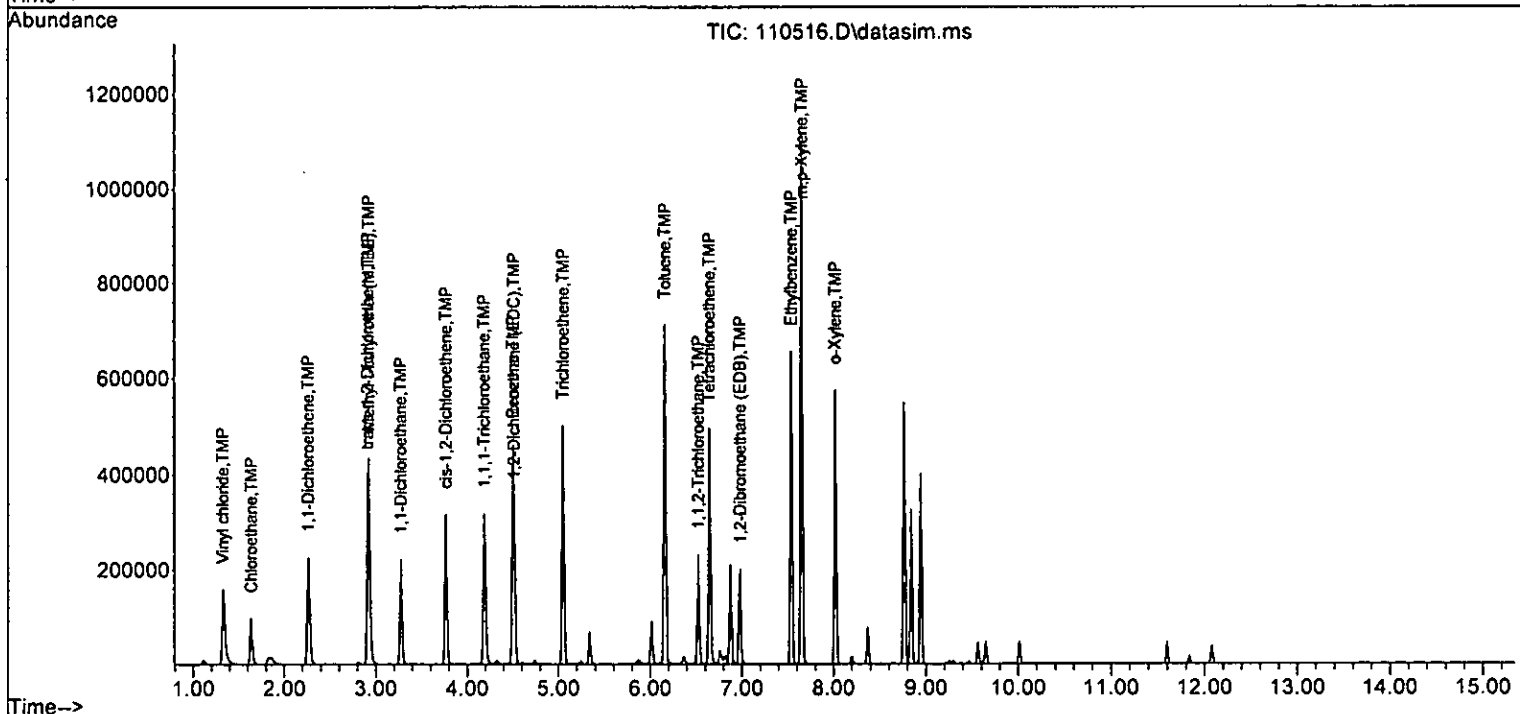
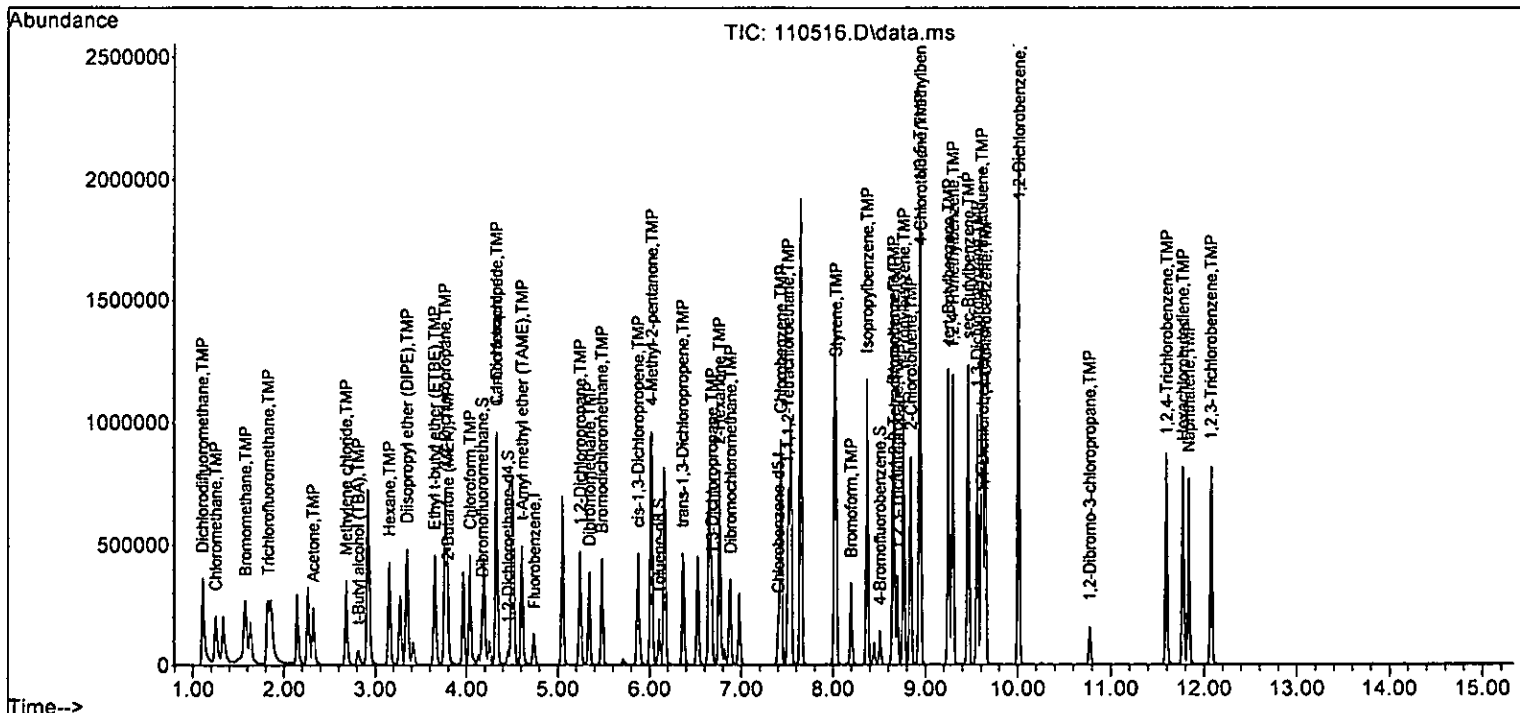
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	6.02	85	115859	261.687	ppb	96
38) cis-1,3-Dichloropropene	5.88	75	195682	52.073	ppb	94
40) Toluene	6.16	92	359717	50.375	ppb	95
41) trans-1,3-Dichloropropene	6.36	75	169634	51.247	ppb	91
42) 1,1,2-Trichloroethane	6.53	83	114906	50.226	ppb	90
43) 2-Hexanone	6.76	43	429891	254.388	ppb	96
44) 1,3-Dichloropropane	6.68	76	194481	47.712	ppb	99
45) Tetrachloroethene	6.65	164	178122	50.027	ppb	95
46) Dibromochloromethane	6.88	129	200310	50.775	ppb	99
47) 1,2-Dibromoethane (EDB)	6.98	107	156105	48.703	ppb	99
48) Chlorobenzene	7.43	112	431484	48.741	ppb	96
49) Ethylbenzene	7.54	91	664924	47.905	ppb	94
50) 1,1,1,2-Tetrachloroethane	7.51	131	179736	52.155	ppb	98
51) m,p-Xylene	7.65	106	525902	96.419	ppb	87
52) o-Xylene	8.02	106	258443	49.074	ppb	87
53) Styrene	8.03	104	406863	51.436	ppb	98
54) Isopropylbenzene	8.37	105	659285	51.519	ppb	94
55) Bromoform	8.20	173	136842	51.334	ppb	98
58) n-Propylbenzene	8.77	91	719974	49.016	ppb	90
59) Bromobenzene	8.65	156	216563	47.528	ppb #	81
60) 1,3,5-Trimethylbenzene	8.94	105	544631	50.873	ppb	93
61) 1,1,2,2-Tetrachloroethane	8.66	83	155632	49.738	ppb	97
62) 1,2,3-Trichloropropane	8.70	75	118403	44.757	ppb	93
63) 2-Chlorotoluene	8.84	91	417432	47.454	ppb	87
64) 4-Chlorotoluene	8.95	91	497012	47.777	ppb	87
65) tert-Butylbenzene	9.25	119	531939	50.088	ppb	93
66) 1,2,4-Trimethylbenzene	9.30	105	559878	51.545	ppb	93
67) sec-Butylbenzene	9.46	105	722254	50.593	ppb	94
68) p-Isopropyltoluene	9.61	119	676308	52.076	ppb	96
69) 1,3-Dichlorobenzene	9.56	146	396377	47.631	ppb	96
70) 1,4-Dichlorobenzene	9.65	146	405175	47.614	ppb	96
71) 1,2-Dichlorobenzene	10.01	146	386586	48.847	ppb	97
72) 1,2-Dibromo-3-chloropr...	10.77	75	28369	48.320	ppb	94
73) 1,2,4-Trichlorobenzene	11.60	180	267870	50.728	ppb	97
74) Hexachlorobutadiene	11.77	225	153221	46.956	ppb	96
75) Naphthalene	11.83	128	548761	51.009	ppb	99
76) 1,2,3-Trichlorobenzene	12.08	180	242270	52.636	ppb	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

1

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110516.D
 Acq On : 05 Nov 2022 03:26 pm
 Operator : VM
 Sample : 50 ppb 8260 ICAL 67-177Q
 Misc : soil/water
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:29 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110516.D
 Acq On : 05 Nov 2022 03:26 pm
 Operator : VM
 Sample : 50 ppb 8260 ICAL 67-177Q
 Misc : soil/water
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:29 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2 TMP	Ethanol	-1.000	0.000	0.0	0	-0.01
3 S	Dibromofluoromethane	10.000	10.137	-1.4	100	0.00
4 TMP	Dichlorodifluoromethane	50.000	50.935	-1.9	100	-0.01
5 TMP	Chloromethane	50.000	50.941	-1.9	100	-0.01
6 TMP	Vinyl chloride	50.000	48.608	2.8	100	-0.01
7 TMP	Bromomethane	50.000	48.464	3.1	100	0.00
8 TMP	Chloroethane	50.000	51.097	-2.2	100	-0.01
9 TMP	Trichlorofluoromethane	50.000	51.517	-3.0	100	0.00
10 TMP	2-Propanol	-1.000	0.000	0.0	0	-0.01
11 TMP	Acetone	250.000	256.870	-2.7	100	-0.01
12 TMP	1,1-Dichloroethene	50.000	47.989	4.0	100	-0.01
13 TMP	Hexane	50.000	49.679	0.6	100	0.00
14 TMP	Methylene chloride	50.000	50.173	-0.3	100	0.00
15 TMP	t-Butyl alcohol (TBA)	250.000	248.840	0.5	100	0.00
16 TMP	Methyl t-butyl ether (MTBE)	50.000	50.539	-1.1	100	-0.01
17 TMP	trans-1,2-Dichloroethene	50.000	47.600	4.8	100	-0.01
18 TMP	Diisopropyl ether (DIPE)	50.000	53.077	-6.2	100	0.00
19 TMP	1,1-Dichloroethane	50.000	49.769	0.5	100	0.00
20 TMP	Ethyl t-butyl ether (ETBE)	50.000	49.874	0.3	100	-0.01
21 TMP	2,2-Dichloropropane	50.000	53.787	-7.6	100	-0.01
22 TMP	cis-1,2-Dichloroethene	50.000	48.489	3.0	100	0.00
23 TMP	Chloroform	50.000	48.831	2.3	100	0.00
24 TMP	2-Butanone (MEK)	250.000	256.148	-2.5	100	0.00
25 TMP	t-Amyl methyl ether (TAME)	50.000	52.509	-5.0	100	0.00
26 TMP	1,2-Dichloroethane (EDC)	50.000	50.632	-1.3	100	-0.01
27 TMP	1,1,1-Trichloroethane	50.000	51.653	-3.3	100	0.00
28 TMP	1,1-Dichloropropene	50.000	50.975	-2.0	100	0.00
29 TMP	Carbon tetrachloride	50.000	49.603	0.8	100	0.00
30 S	1,2-Dichloroethane-d4	10.000	9.401	6.0	100	0.00
31 TMP	Benzene	50.000	47.173	5.7	100	0.00
32 TMP	Trichloroethene	50.000	46.458	7.1	100	0.00
33 TMP	1,2-Dichloropropane	50.000	49.488	1.0	100	0.00
34 TMP	Bromodichloromethane	50.000	51.566	-3.1	100	0.00
35 S	Toluene-d8	10.000	10.013	-0.1	100	0.00
36 TMP	Dibromomethane	50.000	47.441	5.1	100	0.00
37 TMP	4-Methyl-2-pentanone	250.000	261.687	-4.7	100	0.00
38 TMP	cis-1,3-Dichloropropene	50.000	52.073	-4.1	100	0.00
39 I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40 TMP	Toluene	50.000	50.375	-0.8	100	0.00
41 TMP	trans-1,3-Dichloropropene	50.000	51.247	-2.5	100	0.00
42 TMP	1,1,2-Trichloroethane	50.000	50.226	-0.5	100	0.00
43 TMP	2-Hexanone	250.000	254.388	-1.8	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110516.D
 Acq On : 05 Nov 2022 03:26 pm
 Operator : VM
 Sample : 50 ppb 8260 ICAL 67-177Q
 Misc : soil/water
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:29 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	50.000	47.712	4.6	100	0.00
45 TMP Tetrachloroethene	50.000	50.027	-0.1	100	0.00
46 TMP Dibromochloromethane	50.000	50.775	-1.5	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	50.000	48.703	2.6	100	0.00
48 TMP Chlorobenzene	50.000	48.741	2.5	100	0.00
49 TMP Ethylbenzene	50.000	47.905	4.2	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	50.000	52.155	-4.3	100	0.00
51 TMP m,p-Xylene	100.000	96.419	3.6	100	0.00
52 TMP o-Xylene	50.000	49.074	1.9	100	0.00
53 TMP Styrene	50.000	51.436	-2.9	100	0.00
54 TMP Isopropylbenzene	50.000	51.519	-3.0	100	0.00
55 TMP Bromoform	50.000	51.334	-2.7	100	0.00
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	10.000	9.519	4.8	100	0.00
58 TMP n-Propylbenzene	50.000	49.016	2.0	100	0.00
59 TMP Bromobenzene	50.000	47.528	4.9	100	0.00
60 TMP 1,3,5-Trimethylbenzene	50.000	50.873	-1.7	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	50.000	49.738	0.5	100	0.00
62 TMP 1,2,3-Trichloropropane	50.000	44.757	10.5	100	0.00
63 TMP 2-Chlorotoluene	50.000	47.454	5.1	100	0.00
64 TMP 4-Chlorotoluene	50.000	47.777	4.4	100	0.00
65 TMP tert-Butylbenzene	50.000	50.088	-0.2	100	0.00
66 TMP 1,2,4-Trimethylbenzene	50.000	51.545	-3.1	100	0.00
67 TMP sec-Butylbenzene	50.000	50.593	-1.2	100	0.00
68 TMP p-Isopropyltoluene	50.000	52.076	-4.2	100	0.00
69 TMP 1,3-Dichlorobenzene	50.000	47.631	4.7	100	0.00
70 TMP 1,4-Dichlorobenzene	50.000	47.614	4.8	100	0.00
71 TMP 1,2-Dichlorobenzene	50.000	48.847	2.3	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	50.000	48.320	3.4	100	0.00
73 TMP 1,2,4-Trichlorobenzene	50.000	50.728	-1.5	100	0.00
74 TMP Hexachlorobutadiene	50.000	46.956	6.1	100	0.00
75 TMP Naphthalene	50.000	51.009	-2.0	100	0.00
76 TMP 1,2,3-Trichlorobenzene	50.000	52.636	-5.3	100	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110516.D
 Acq On : 05 Nov 2022 03:26 pm
 Operator : VM
 Sample : 50 ppb 8260 ICAL 67-177Q
 Misc : soil/water
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:29 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2 TMP	Ethanol	0.000	0.000#	0.0	0#	-0.01
3 S	Dibromofluoromethane	0.321	0.325	-1.2	100	0.00
4 TMP	Dichlorodifluoromethane	0.800	0.815	-1.9	100	-0.01
5 TMP	Chloromethane	0.488	0.497	-1.8	100	-0.01
6 TMP	Vinyl chloride	0.510	0.496	2.7	100	-0.01
7 TMP	Bromomethane	0.432	0.419	3.0	100	0.00
8 TMP	Chloroethane	0.229	0.234	-2.2	100	-0.01
9 TMP	Trichlorofluoromethane	1.123	1.157	-3.0	100	0.00
10 TMP	2-Propanol	0.000	0.000	0.0	0#	-0.01
11 TMP	Acetone	0.029	0.028	3.4	100	-0.01
12 TMP	1,1-Dichloroethene	0.285	0.273	4.2	100	-0.01
13 TMP	Hexane	0.323	0.321	0.6	100	0.00
14 TMP	Methylene chloride	0.289	0.275	4.8	100	0.00
15 TMP	t-Butyl alcohol (TBA)	0.024	0.024#	0.0	100	0.00
16 TMP	Methyl t-butyl ether (MTBE)	0.666	0.673	-1.1	100	-0.01
17 TMP	trans-1,2-Dichloroethene	0.318	0.303	4.7	100	-0.01
18 TMP	Diisopropyl ether (DIPE)	0.698	0.741	-6.2	100	0.00
19 TMP	1,1-Dichloroethane	0.463	0.461	0.4	100	0.00
20 TMP	Ethyl t-butyl ether (ETBE)	0.258	0.257	0.4	100	-0.01
21 TMP	2,2-Dichloropropane	0.258	0.272	-5.4	100	-0.01
22 TMP	cis-1,2-Dichloroethene	0.333	0.323	3.0	100	0.00
23 TMP	Chloroform	0.539	0.526	2.4	100	0.00
24 TMP	2-Butanone (MEK)	0.132	0.130	1.5	100	0.00
25 TMP	t-Amyl methyl ether (TAME)	0.540	0.568	-5.2	100	0.00
26 TMP	1,2-Dichloroethane (EDC)	0.465	0.408	12.3	100	-0.01
27 TMP	1,1,1-Trichloroethane	0.482	0.498	-3.3	100	0.00
28 TMP	1,1-Dichloropropene	0.370	0.372	-0.5	100	0.00
29 TMP	Carbon tetrachloride	0.485	0.481	0.8	100	0.00
30 S	1,2-Dichloroethane-d4	0.062	0.058	6.5	100	0.00
31 TMP	Benzene	1.118	1.055	5.6	100	0.00
32 TMP	Trichloroethene	0.367	0.341	7.1	100	0.00
33 TMP	1,2-Dichloropropane	0.241	0.238	1.2	100	0.00
34 TMP	Bromodichloromethane	0.387	0.399	-3.1	100	0.00
35 S	Toluene-d8	0.954	0.955	-0.1	100	0.00
36 TMP	Dibromomethane	0.219	0.208	5.0	100	0.00
37 TMP	4-Methyl-2-pentanone	0.042	0.044	-4.8	100	0.00
38 TMP	cis-1,3-Dichloropropene	0.360	0.375	-4.2	100	0.00
39 I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40 TMP	Toluene	0.907	0.807	11.0	100	0.00
41 TMP	trans-1,3-Dichloropropene	0.366	0.381	-4.1	100	0.00
42 TMP	1,1,2-Trichloroethane	0.285	0.258	9.5	100	0.00
43 TMP	2-Hexanone	0.190	0.193	-1.6	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110516.D
 Acq On : 05 Nov 2022 03:26 pm
 Operator : VM
 Sample : 50 ppb 8260 ICAL 67-177Q
 Misc : soil/water
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:29 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.457	0.436	4.6	100	0.00
45 TMP Tetrachloroethene	0.460	0.400	13.0	100	0.00
46 TMP Dibromochloromethane	0.451	0.449	0.4	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	0.360	0.350	2.8	100	0.00
48 TMP Chlorobenzene	0.993	0.968	2.5	100	0.00
49 TMP Ethylbenzene	1.557	1.492	4.2	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.387	0.403	-4.1	100	0.00
51 TMP m,p-Xylene	0.612	0.590	3.6	100	0.00
52 TMP o-Xylene	0.591	0.580	1.9	100	0.00
53 TMP Styrene	0.887	0.913	-2.9	100	0.00
54 TMP Isopropylbenzene	1.435	1.479	-3.1	100	0.00
55 TMP Bromoform	0.299	0.307	-2.7	100	0.00
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	0.689	0.656	4.8	100	0.00
58 TMP n-Propylbenzene	2.700	2.647	2.0	100	0.00
59 TMP Bromobenzene	0.837	0.796	4.9	100	0.00
60 TMP 1,3,5-Trimethylbenzene	1.968	2.002	-1.7	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.626	0.572	8.6	100	0.00
62 TMP 1,2,3-Trichloropropane	0.486	0.435#	10.5	100	0.00
63 TMP 2-Chlorotoluene	1.617	1.534	5.1	100	0.00
64 TMP 4-Chlorotoluene	1.912	1.827	4.4	100	0.00
65 TMP tert-Butylbenzene	1.952	1.955	-0.2	100	0.00
66 TMP 1,2,4-Trimethylbenzene	1.996	2.058	-3.1	100	0.00
67 TMP sec-Butylbenzene	2.624	2.655	-1.2	100	0.00
68 TMP p-Isopropyltoluene	2.387	2.486	-4.1	100	0.00
69 TMP 1,3-Dichlorobenzene	1.530	1.457	4.8	100	0.00
70 TMP 1,4-Dichlorobenzene	1.564	1.489	4.8	100	0.00
71 TMP 1,2-Dichlorobenzene	1.455	1.421	2.3	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	0.108	0.104	3.7	100	0.00
73 TMP 1,2,4-Trichlorobenzene	0.971	0.985	-1.4	100	0.00
74 TMP Hexachlorobutadiene	0.600	0.563	6.2	100	0.00
75 TMP Naphthalene	1.833	2.017	-10.0	100	0.00
76 TMP 1,2,3-Trichlorobenzene	0.846	0.891	-5.3	100	0.00

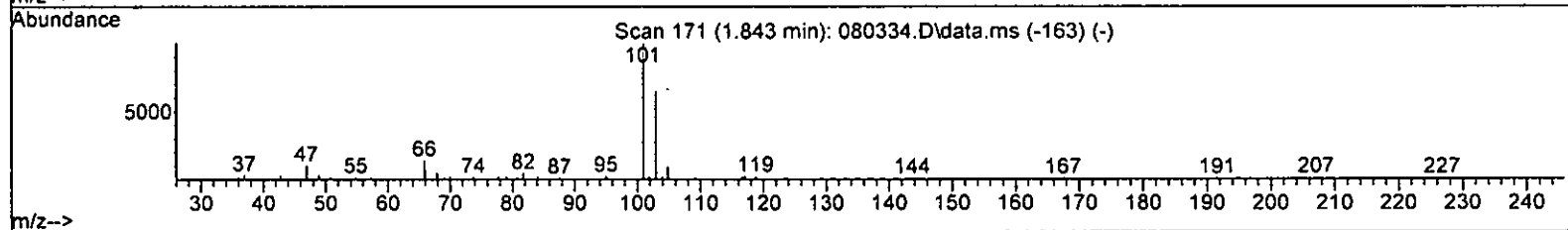
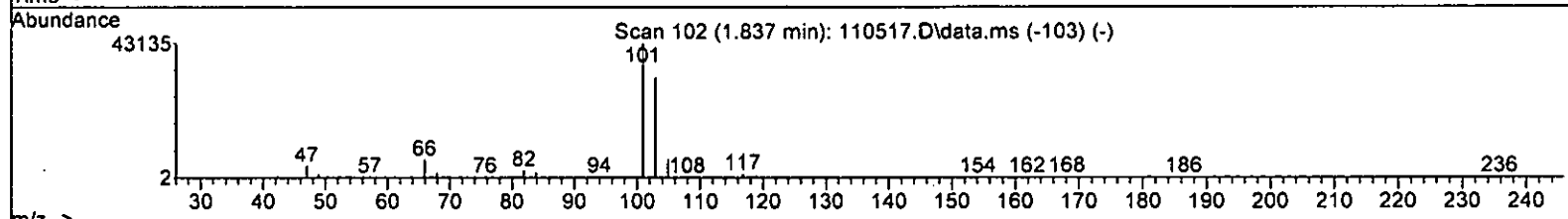
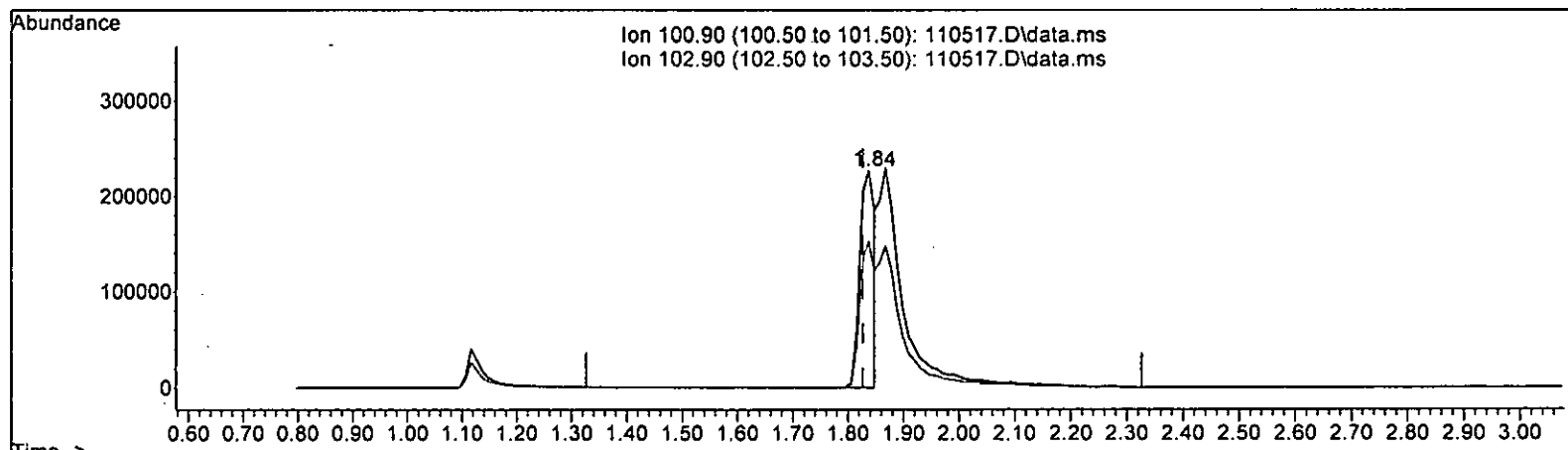
(#) = Out of Range

SPCC's out = 3 CCC's out = 0

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110517.D
 Acq On : 05 Nov 2022 03:49 pm
 Operator : VM
 Sample : 100 ppb 8260 ICAL 67-177S
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:31 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110517.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.837min (+ 0.010) 35.758 ppb

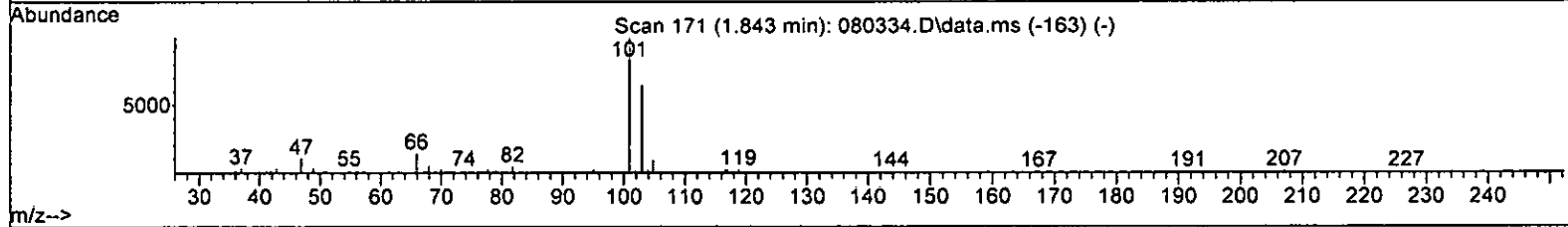
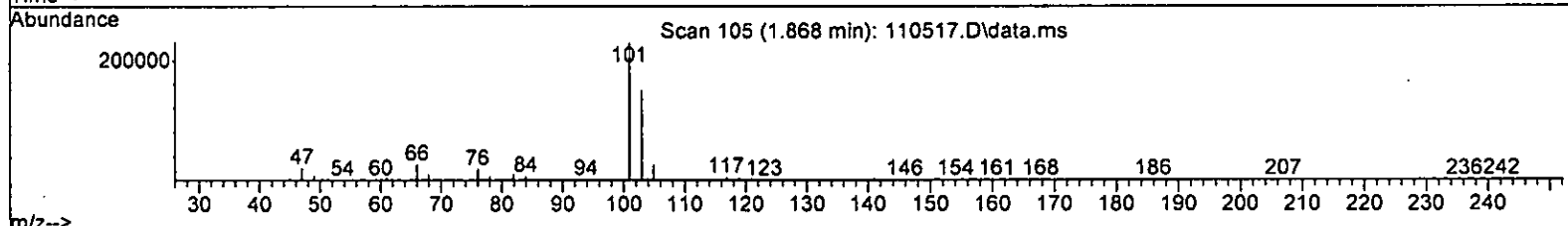
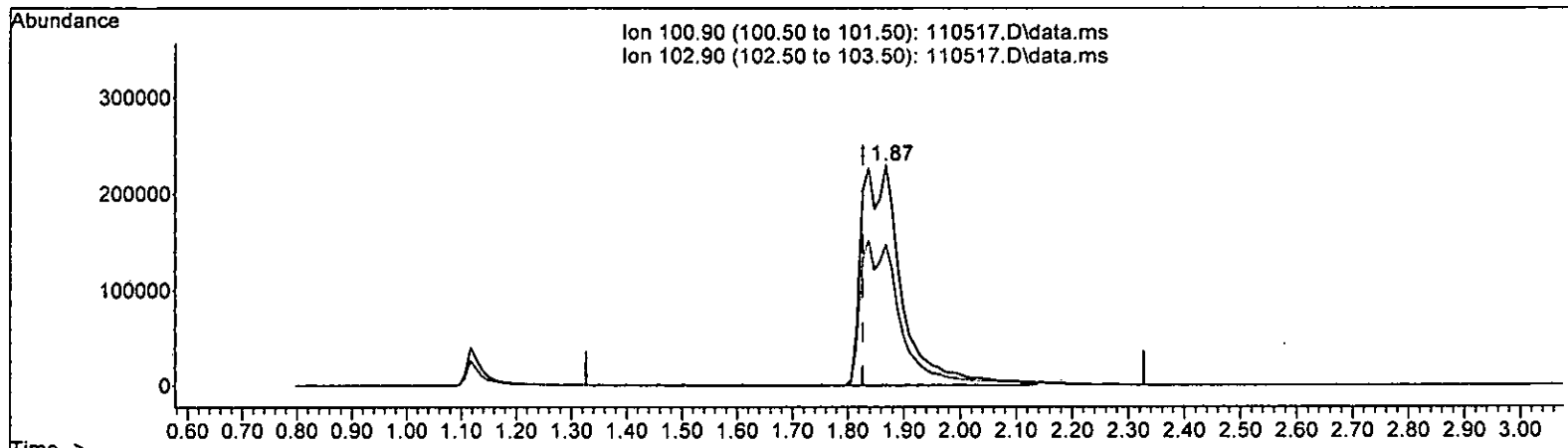
response 422448

Ion	Exp%	Act%
100.90	100.00	100.00
102.90	65.30	67.17
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110517.D
 Acq On : 05 Nov 2022 03:49 pm
 Operator : VM
 Sample : 100 ppb 8260 ICAL 67-177S
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:31 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110517.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.868min (+ 0.041) 100.168 ppb m

response 1183404

Ion	Exp%	Act%
100.90	100.00	100.00
102.90	65.30	64.39
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110517.D
 Acq On : 05 Nov 2022 03:49 pm
 Operator : VM
 Sample : 100 ppb 8260 ICAL 67-177S
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:31 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	4.75	96	105192	10.000	ppb	0.00
39) Chlorobenzene-d5	7.40	117	89610	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	53646	10.000	ppb	# 0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.17	113	33932	10.059	ppb	0.00
Spiked Amount	10.000	Range 50 - 150	Recovery	=	100.60%	
30) 1,2-Dichloroethane-d4	4.45	102	6377	9.755	ppb	0.00
Spiked Amount	10.000	Range 84 - 120	Recovery	=	97.50%	
35) Toluene-d8	6.10	98	103154	10.282	ppb	0.00
Spiked Amount	10.000	Range 73 - 128	Recovery	=	102.80%	
57) 4-Bromofluorobenzene	8.51	95	35439	9.587	ppb	0.00
Spiked Amount	10.000	Range 57 - 146	Recovery	=	95.90%	
Target Compounds						
						Qvalue
2) Ethanol	2.33	45	1809	No Calib		
4) Dichlorodifluoromethane	1.12	85	860744	102.278	ppb	99
5) Chloromethane	1.26	50	514764	100.244	ppb	94
6] Vinyl chloride	1.34	62	502810	93.776	ppb	92
7) Bromomethane	1.59	94	428185	94.218	ppb	99
8] Chloroethane	1.65	64	236636	98.373	ppb	98
9) Trichlorofluoromethane	1.87	101	1183404m	100.168	ppb	
10) 2-Propanol	2.33	45	1809	No Calib	#	
11) Acetone	2.33	58	141862	487.278	ppb	89
12] 1,1-Dichloroethene	2.27	96	278841	93.041	ppb	82
13) Hexane	3.16	57	334108	98.249	ppb	99
14) Methylene chloride	2.69	84	284355	99.445	ppb	98
15) t-Butyl alcohol (TBA)	2.82	59	128300	508.164	ppb	89
16] Methyl t-butyl ether (...)	2.93	73	703749	100.484	ppb	99
17] trans-1,2-Dichloroethene	2.92	96	309906	92.509	ppb	89
18) Diisopropyl ether (DIPE)	3.35	45	699074	95.242	ppb	98
19] 1,1-Dichloroethane	3.28	63	474578	97.358	ppb	93
20) Ethyl t-butyl ether (E...)	3.66	87	274496	101.295	ppb	95
21) 2,2-Dichloropropane	3.77	77	278976	99.759	ppb	98
22] cis-1,2-Dichloroethene	3.77	96	329614	94.059	ppb	93
23) Chloroform	4.04	83	543954	96.005	ppb	98
24) 2-Butanone (MEK)	3.79	43	670030	497.204	ppb	97
25) t-Amyl methyl ether (T...)	4.61	73	611205	107.515	ppb	95
26] 1,2-Dichloroethane (EDC)	4.53	62	413759	98.390	ppb	97
27] 1,1,1-Trichloroethane	4.19	97	527092	103.996	ppb	96
28) 1,1-Dichloropropene	4.33	75	384929	99.233	ppb	98
29) Carbon tetrachloride	4.33	117	524354	102.752	ppb	99
31] Benzene	4.50	78	1068708	90.846	ppb	96
32] Trichloroethene	5.05	95	353871	91.783	ppb	87
33) 1,2-Dichloropropane	5.24	63	247385	97.604	ppb	97
34) Bromodichloromethane	5.48	83	414881	102.016	ppb	93
36) Dibromomethane	5.35	93	212727	92.148	ppb	# 82

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110517.D
 Acq On : 05 Nov 2022 03:49 pm
 Operator : VM
 Sample : 100 ppb 8260 ICAL 67-177S
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS13

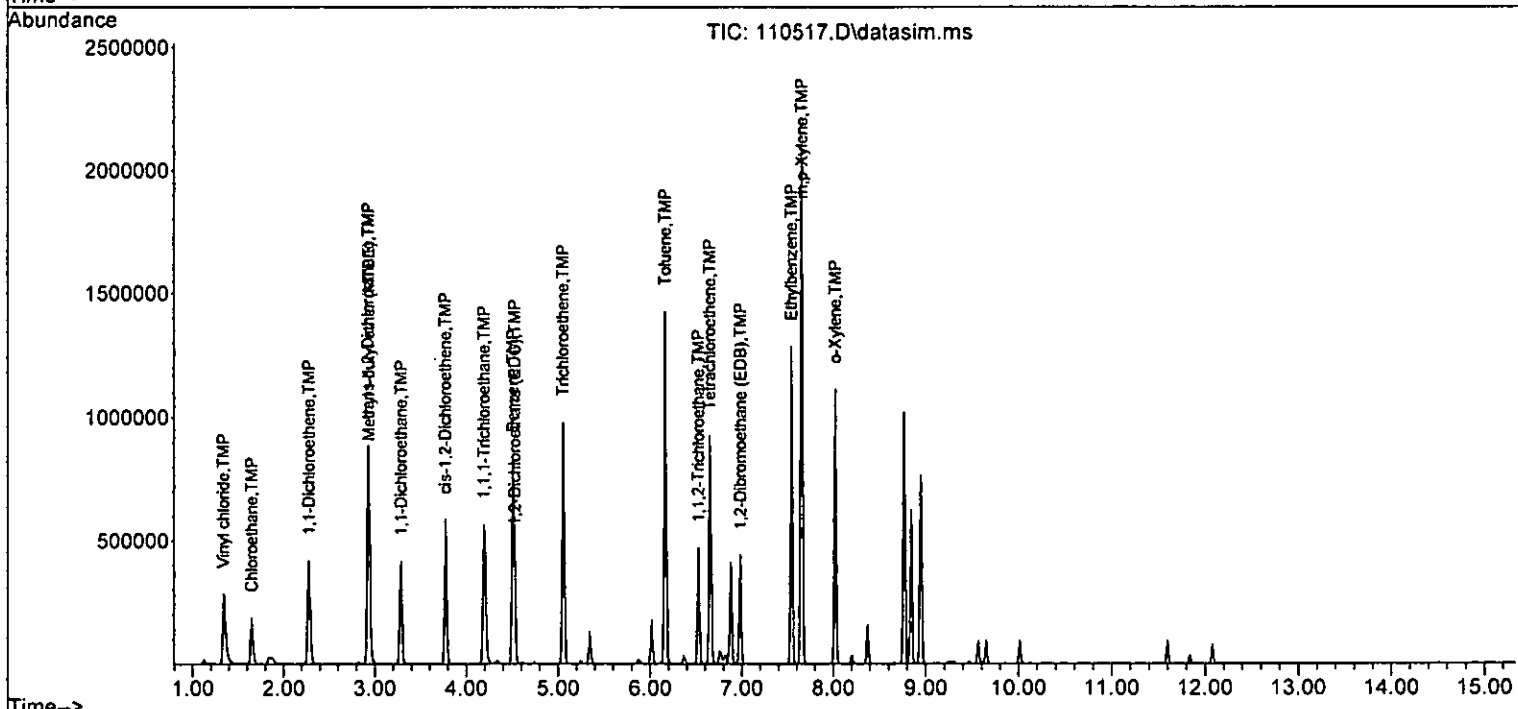
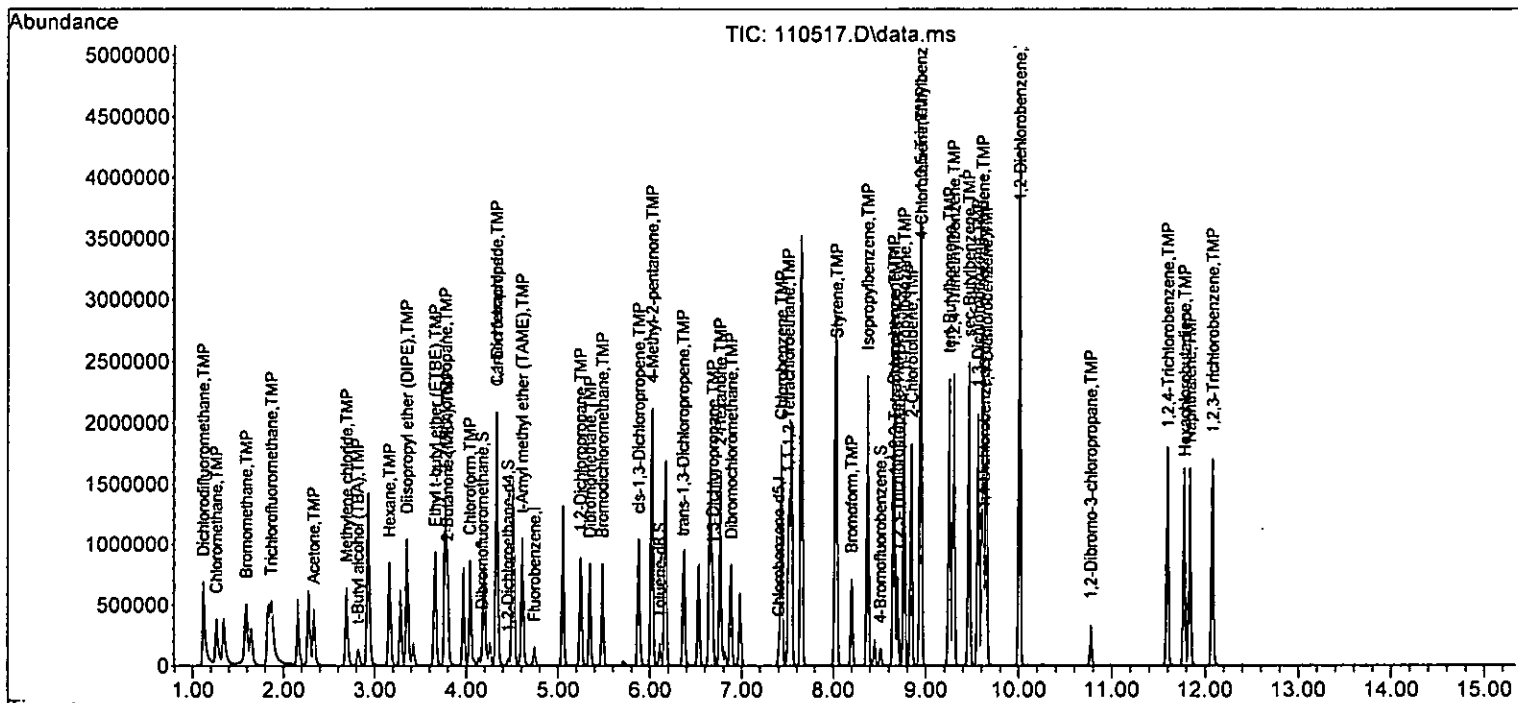
Quant Time: Nov 07 15:17:31 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	6.02	85	233727	523.731	ppb	92
38) cis-1,3-Dichloropropene	5.88	75	414829	109.515	ppb	93
40] Toluene	6.16	92	714832	99.536	ppb	96
41) trans-1,3-Dichloropropene	6.36	75	362461	102.439	ppb	90
42] 1,1,2-Trichloroethane	6.53	83	226873	99.549	ppb	94
43) 2-Hexanone	6.76	43	839889	494.459	ppb	96
44) 1,3-Dichloropropane	6.68	76	383337	93.563	ppb	100
45] Tetrachloroethene	6.65	164	362286	99.678	ppb	97
46) Dibromochloromethane	6.88	129	417420	101.492	ppb	100
47] 1,2-Dibromoethane (EDB)	6.98	107	312463	96.985	ppb	99
48) Chlorobenzene	7.43	112	877400	98.605	ppb	96
49] Ethylbenzene	7.54	91	1307177	93.694	ppb	94
50) 1,1,1,2-Tetrachloroethane	7.51	131	368821	106.474	ppb	97
51] m,p-Xylene	7.65	106	1043566	190.347	ppb	86
52] o-Xylene	8.02	106	515865	97.451	ppb	86
53) Styrene	8.03	104	814604	102.456	ppb	98
54) Isopropylbenzene	8.37	105	1338012	104.021	ppb	93
55) Bromoform	8.20	173	289069	107.884	ppb	98
58) n-Propylbenzene	8.77	91	1405896	97.074	ppb	89
59) Bromobenzene	8.65	156	448216	99.767	ppb #	79
60) 1,3,5-Trimethylbenzene	8.94	105	1079379	102.257	ppb	90
61) 1,1,2,2-Tetrachloroethane	8.66	83	300453	98.329	ppb	98
62) 1,2,3-Trichloropropane	8.70	75	232114	88.989	ppb	93
63) 2-Chlorotoluene	8.84	91	814498	93.910	ppb	86
64) 4-Chlorotoluene	8.95	91	971587	94.725	ppb	85
65) tert-Butylbenzene	9.25	119	1090813	104.174	ppb	91
66) 1,2,4-Trimethylbenzene	9.30	105	1124498	105.000	ppb	92
67) sec-Butylbenzene	9.46	105	1456640	103.486	ppb	92
68) p-Isopropyltoluene	9.61	119	1391289	108.654	ppb	96
69) 1,3-Dichlorobenzene	9.56	146	811824	98.940	ppb	97
70) 1,4-Dichlorobenzene	9.65	146	821584	97.921	ppb	96
71) 1,2-Dichlorobenzene	10.01	146	788041	100.988	ppb	97
72) 1,2-Dibromo-3-chloropr...	10.77	75	59276	102.399	ppb	92
73) 1,2,4-Trichlorobenzene	11.60	180	560478	107.651	ppb	97
74) Hexachlorobutadiene	11.78	225	317726	98.756	ppb	98
75) Naphthalene	11.83	128	1163987	102.651	ppb	99
76) 1,2,3-Trichlorobenzene	12.08	180	506400	111.587	ppb	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110517.D
 Acq On : 05 Nov 2022 03:49 pm
 Operator : VM
 Sample : 100 ppb 8260 ICAL 67-177S
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:31 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110517.D
 Acq On : 05 Nov 2022 03:49 pm
 Operator : VM
 Sample : 100 ppb 8260 ICAL 67-1775
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:31 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2 TMP	Ethanol	-1.000	0.000	0.0	0	0.00
3 S	Dibromofluoromethane	10.000	10.059	-0.6	100	0.00
4 TMP	Dichlorodifluoromethane	100.000	102.278	-2.3	100	0.00
5 TMP	Chloromethane	100.000	100.244	-0.2	100	0.00
6 TMP	Vinyl chloride	100.000	93.776	6.2	100	0.00
7 TMP	Bromomethane	100.000	94.218	5.8	100	0.01
8 TMP	Chloroethane	100.000	98.373	1.6	100	0.00
9 TMP	Trichlorofluoromethane	100.000	100.168	-0.2	100	0.04
10 TMP	2-Propanol	-1.000	0.000	0.0	0	0.00
11 TMP	Acetone	500.000	487.278	2.5	100	0.00
12 TMP	1,1-Dichloroethene	100.000	93.041	7.0	100	0.00
13 TMP	Hexane	100.000	98.249	1.8	100	0.00
14 TMP	Methylene chloride	100.000	99.445	0.6	100	0.00
15 TMP	t-Butyl alcohol (TBA)	500.000	508.164	-1.6	100	0.00
16 TMP	Methyl t-butyl ether (MTBE)	100.000	100.484	-0.5	100	0.00
17 TMP	trans-1,2-Dichloroethene	100.000	92.509	7.5	100	0.00
18 TMP	Diisopropyl ether (DIPE)	100.000	95.242	4.8	100	0.00
19 TMP	1,1-Dichloroethane	100.000	97.358	2.6	100	0.00
20 TMP	Ethyl t-butyl ether (ETBE)	100.000	101.295	-1.3	100	0.00
21 TMP	2,2-Dichloropropane	100.000	99.759	0.2	100	0.00
22 TMP	cis-1,2-Dichloroethene	100.000	94.059	5.9	100	0.00
23 TMP	Chloroform	100.000	96.005	4.0	100	0.00
24 TMP	2-Butanone (MEK)	500.000	497.204	0.6	100	0.00
25 TMP	t-Amyl methyl ether (TAME)	100.000	107.515	-7.5	100	0.00
26 TMP	1,2-Dichloroethane (EDC)	100.000	98.390	1.6	100	0.00
27 TMP	1,1,1-Trichloroethane	100.000	103.996	-4.0	100	0.00
28 TMP	1,1-Dichloropropene	100.000	99.233	0.8	100	0.00
29 TMP	Carbon tetrachloride	100.000	102.752	-2.8	100	0.00
30 S	1,2-Dichloroethane-d4	10.000	9.755	2.4	100	0.00
31 TMP	Benzene	100.000	90.846	9.2	100	0.00
32 TMP	Trichloroethene	100.000	91.783	8.2	100	0.00
33 TMP	1,2-Dichloropropane	100.000	97.604	2.4	100	0.00
34 TMP	Bromodichloromethane	100.000	102.016	-2.0	100	0.00
35 S	Toluene-d8	10.000	10.282	-2.8	100	0.00
36 TMP	Dibromomethane	100.000	92.148	7.9	100	0.00
37 TMP	4-Methyl-2-pentanone	500.000	523.731	-4.7	100	0.00
38 TMP	cis-1,3-Dichloropropene	100.000	109.515	-9.5	100	0.00
39 I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40 TMP	Toluene	100.000	99.536	0.5	100	0.00
41 TMP	trans-1,3-Dichloropropene	100.000	102.439	-2.4	100	0.00
42 TMP	1,1,2-Trichloroethane	100.000	99.549	0.5	100	0.00
43 TMP	2-Hexanone	500.000	494.459	1.1	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110517.D
 Acq On : 05 Nov 2022 03:49 pm
 Operator : VM
 Sample : 100 ppb 8260 ICAL 67-177S
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:31 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	100.000	93.563	6.4	100	0.00
45 TMP Tetrachloroethene	100.000	99.678	0.3	100	0.00
46 TMP Dibromochloromethane	100.000	101.492	-1.5	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	100.000	96.985	3.0	100	0.00
48 TMP Chlorobenzene	100.000	98.605	1.4	100	0.00
49 TMP Ethylbenzene	100.000	93.694	6.3	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	100.000	106.474	-6.5	100	0.00
51 TMP m,p-Xylene	200.000	190.347	4.8	100	0.00
52 TMP o-Xylene	100.000	97.451	2.5	100	0.00
53 TMP Styrene	100.000	102.456	-2.5	100	0.00
54 TMP Isopropylbenzene	100.000	104.021	-4.0	100	0.00
55 TMP Bromoform	100.000	107.884	-7.9	100	0.00
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	10.000	9.587	4.1	100	0.00
58 TMP n-Propylbenzene	100.000	97.074	2.9	100	0.00
59 TMP Bromobenzene	100.000	99.767	0.2	100	0.00
60 TMP 1,3,5-Trimethylbenzene	100.000	102.257	-2.3	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	100.000	98.329	1.7	100	0.00
62 TMP 1,2,3-Trichloropropane	100.000	88.989	11.0	100	0.00
63 TMP 2-Chlorotoluene	100.000	93.910	6.1	100	0.00
64 TMP 4-Chlorotoluene	100.000	94.725	5.3	100	0.00
65 TMP tert-Butylbenzene	100.000	104.174	-4.2	100	0.00
66 TMP 1,2,4-Trimethylbenzene	100.000	105.000	-5.0	100	0.00
67 TMP sec-Butylbenzene	100.000	103.486	-3.5	100	0.00
68 TMP p-Isopropyltoluene	100.000	108.654	-8.7	100	0.00
69 TMP 1,3-Dichlorobenzene	100.000	98.940	1.1	100	0.00
70 TMP 1,4-Dichlorobenzene	100.000	97.921	2.1	100	0.00
71 TMP 1,2-Dichlorobenzene	100.000	100.988	-1.0	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	100.000	102.399	-2.4	100	0.00
73 TMP 1,2,4-Trichlorobenzene	100.000	107.651	-7.7	100	0.00
74 TMP Hexachlorobutadiene	100.000	98.756	1.2	100	0.00
75 TMP Naphthalene	100.000	102.651	-2.7	100	0.00
76 TMP 1,2,3-Trichlorobenzene	100.000	111.587	-11.6	100	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110517.D
 Acq On : 05 Nov 2022 03:49 pm
 Operator : VM
 Sample : 100 ppb 8260 ICAL 67-1775
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:31 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2 TMP	Ethanol	0.000	0.000#	0.0	0#	0.00
3 S	Dibromofluoromethane	0.321	0.323	-0.6	100	0.00
4 TMP	Dichlorodifluoromethane	0.800	0.818	-2.2	100	0.00
5 TMP	Chloromethane	0.488	0.489	-0.2	100	0.00
6 TMP	Vinyl chloride	0.510	0.478	6.3	100	0.00
7 TMP	Bromomethane	0.432	0.407	5.8	100	0.01
8 TMP	Chloroethane	0.229	0.225	1.7	100	0.00
9 TMP	Trichlorofluoromethane	1.123	1.125	-0.2	100	0.04
10 TMP	2-Propanol	0.000	0.000	0.0	0#	0.00
11 TMP	Acetone	0.029	0.027	6.9	100	0.00
12 TMP	1,1-Dichloroethene	0.285	0.265	7.0	100	0.00
13 TMP	Hexane	0.323	0.318	1.5	100	0.00
14 TMP	Methylene chloride	0.289	0.270	6.6	100	0.00
15 TMP	t-Butyl alcohol (TBA)	0.024	0.024#	0.0	100	0.00
16 TMP	Methyl t-butyl ether (MTBE)	0.666	0.669	-0.5	100	0.00
17 TMP	trans-1,2-Dichloroethene	0.318	0.295	7.2	100	0.00
18 TMP	Diisopropyl ether (DIPE)	0.698	0.665	4.7	100	0.00
19 TMP	1,1-Dichloroethane	0.463	0.451	2.6	100	0.00
20 TMP	Ethyl t-butyl ether (ETBE)	0.258	0.261	-1.2	100	0.00
21 TMP	2,2-Dichloropropane	0.258	0.265	-2.7	100	0.00
22 TMP	cis-1,2-Dichloroethene	0.333	0.313	6.0	100	0.00
23 TMP	Chloroform	0.539	0.517	4.1	100	0.00
24 TMP	2-Butanone (MEK)	0.132	0.127	3.8	100	0.00
25 TMP	t-Amyl methyl ether (TAME)	0.540	0.581	-7.6	100	0.00
26 TMP	1,2-Dichloroethane (EDC)	0.465	0.393	15.5	100	0.00
27 TMP	1,1,1-Trichloroethane	0.482	0.501	-3.9	100	0.00
28 TMP	1,1-Dichloropropene	0.370	0.366	1.1	100	0.00
29 TMP	Carbon tetrachloride	0.485	0.498	-2.7	100	0.00
30 S	1,2-Dichloroethane-d4	0.062	0.061	1.6	100	0.00
31 TMP	Benzene	1.118	1.016	9.1	100	0.00
32 TMP	Trichloroethene	0.367	0.336	8.4	100	0.00
33 TMP	1,2-Dichloropropane	0.241	0.235	2.5	100	0.00
34 TMP	Bromodichloromethane	0.387	0.394	-1.8	100	0.00
35 S	Toluene-d8	0.954	0.981	-2.8	100	0.00
36 TMP	Dibromomethane	0.219	0.202	7.8	100	0.00
37 TMP	4-Methyl-2-pentanone	0.042	0.044	-4.8	100	0.00
38 TMP	cis-1,3-Dichloropropene	0.360	0.394	-9.4	100	0.00
39 I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40 TMP	Toluene	0.907	0.798	12.0	100	0.00
41 TMP	trans-1,3-Dichloropropene	0.366	0.404	-10.4	100	0.00
42 TMP	1,1,2-Trichloroethane	0.285	0.253	11.2	100	0.00
43 TMP	2-Hexanone	0.190	0.187	1.6	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110517.D
 Acq On : 05 Nov 2022 03:49 pm
 Operator : VM
 Sample : 100 ppb 8260 ICAL 67-177S
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:31 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.457	0.428	6.3	100	0.00
45 TMP Tetrachloroethene	0.460	0.404	12.2	100	0.00
46 TMP Dibromochloromethane	0.451	0.466	-3.3	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	0.360	0.349	3.1	100	0.00
48 TMP Chlorobenzene	0.993	0.979	1.4	100	0.00
49 TMP Ethylbenzene	1.557	1.459	6.3	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.387	0.412	-6.5	100	0.00
51 TMP m,p-Xylene	0.612	0.582	4.9	100	0.00
52 TMP o-Xylene	0.591	0.576	2.5	100	0.00
53 TMP Styrene	0.887	0.909	-2.5	100	0.00
54 TMP Isopropylbenzene	1.435	1.493	-4.0	100	0.00
55 TMP Bromoform	0.299	0.323	-8.0	100	0.00
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	0.689	0.661	4.1	100	0.00
58 TMP n-Propylbenzene	2.700	2.621	2.9	100	0.00
59 TMP Bromobenzene	0.837	0.836	0.1	100	0.00
60 TMP 1,3,5-Trimethylbenzene	1.968	2.012	-2.2	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.626	0.560	10.5	100	0.00
62 TMP 1,2,3-Trichloropropane	0.486	0.433#	10.9	100	0.00
63 TMP 2-Chlorotoluene	1.617	1.518	6.1	100	0.00
64 TMP 4-Chlorotoluene	1.912	1.811	5.3	100	0.00
65 TMP tert-Butylbenzene	1.952	2.033	-4.1	100	0.00
66 TMP 1,2,4-Trimethylbenzene	1.996	2.096	-5.0	100	0.00
67 TMP sec-Butylbenzene	2.624	2.715	-3.5	100	0.00
68 TMP p-Isopropyltoluene	2.387	2.593	-8.6	100	0.00
69 TMP 1,3-Dichlorobenzene	1.530	1.513	1.1	100	0.00
70 TMP 1,4-Dichlorobenzene	1.564	1.531	2.1	100	0.00
71 TMP 1,2-Dichlorobenzene	1.455	1.469	-1.0	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	0.108	0.110	-1.9	100	0.00
73 TMP 1,2,4-Trichlorobenzene	0.971	1.045	-7.6	100	0.00
74 TMP Hexachlorobutadiene	0.600	0.592	1.3	100	0.00
75 TMP Naphthalene	1.833	2.170	-18.4	100	0.00
76 TMP 1,2,3-Trichlorobenzene	0.846	0.944	-11.6	100	0.00

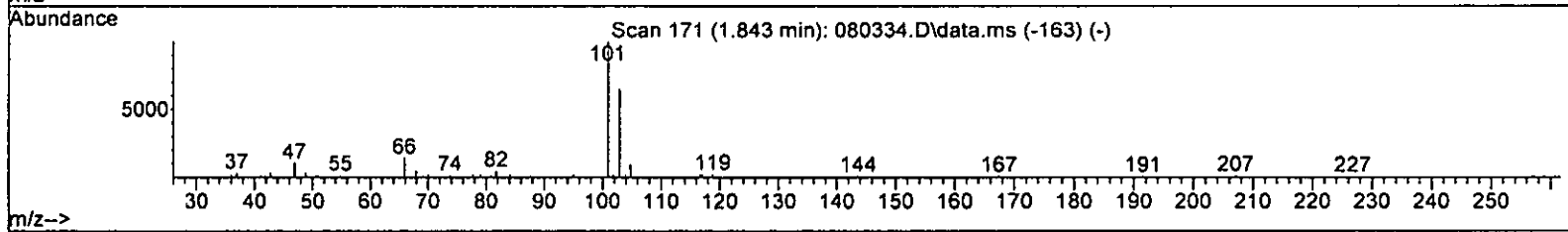
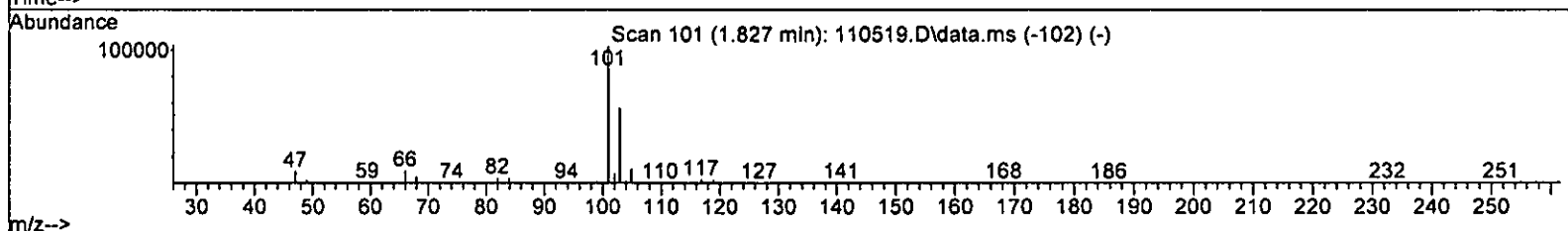
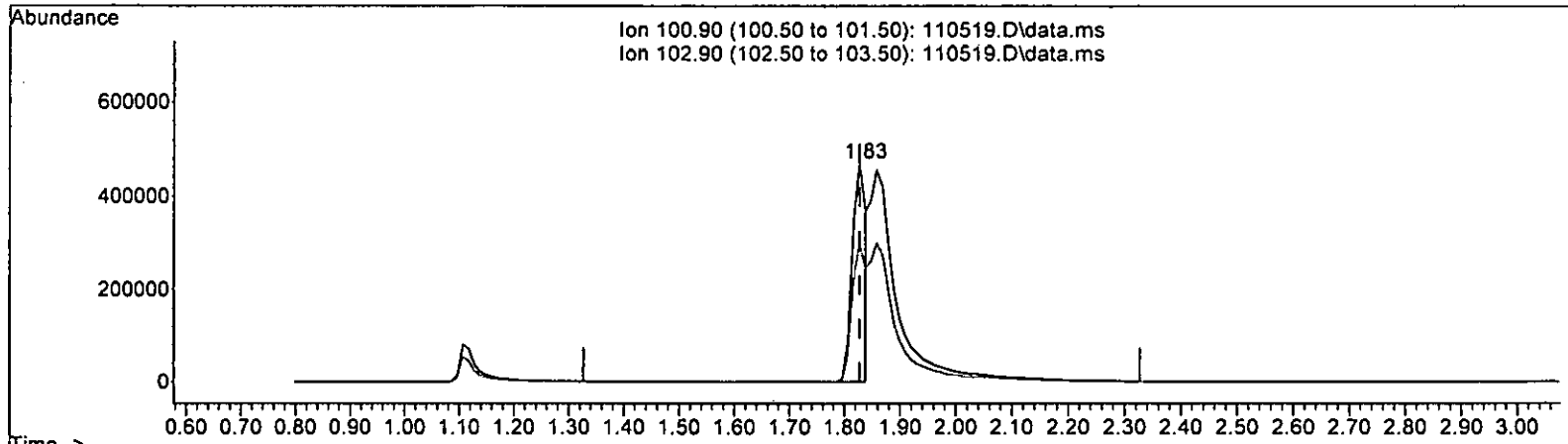
(#) = Out of Range

SPCC's out = 3 CCC's out = 0

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110519.D
 Acq On : 05 Nov 2022 04:35 pm
 Operator : VM
 Sample : 200 ppb 8260 ICAL 67-177U
 Misc : soil/water
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:35 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110519.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.827min (-0.000) 67.111 ppb

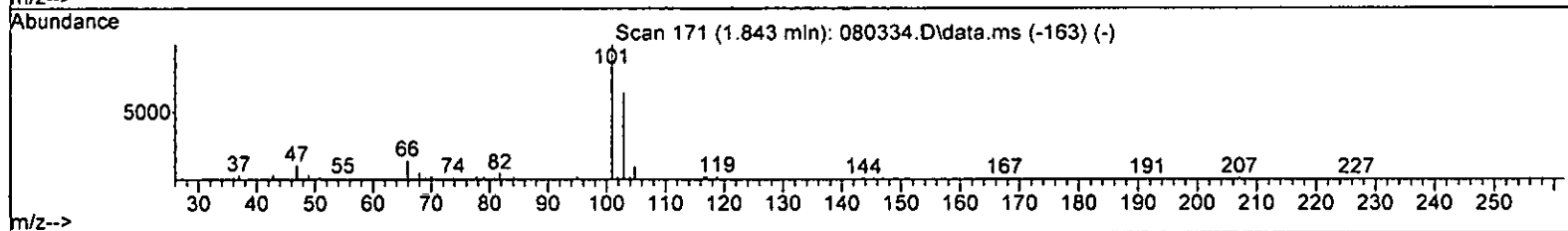
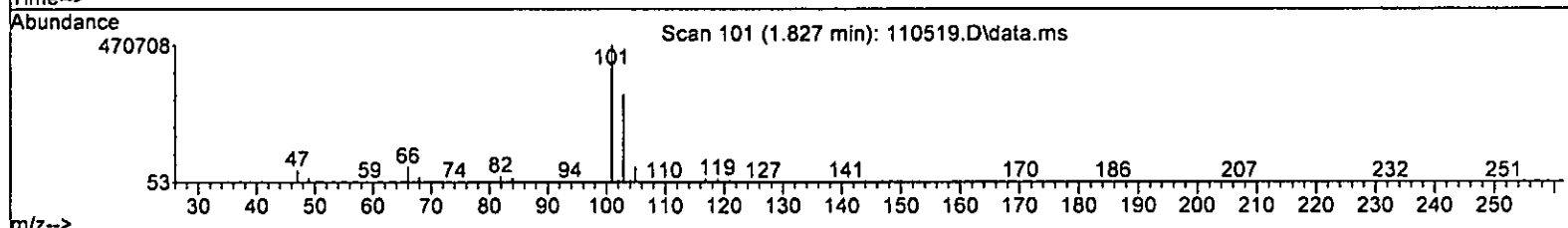
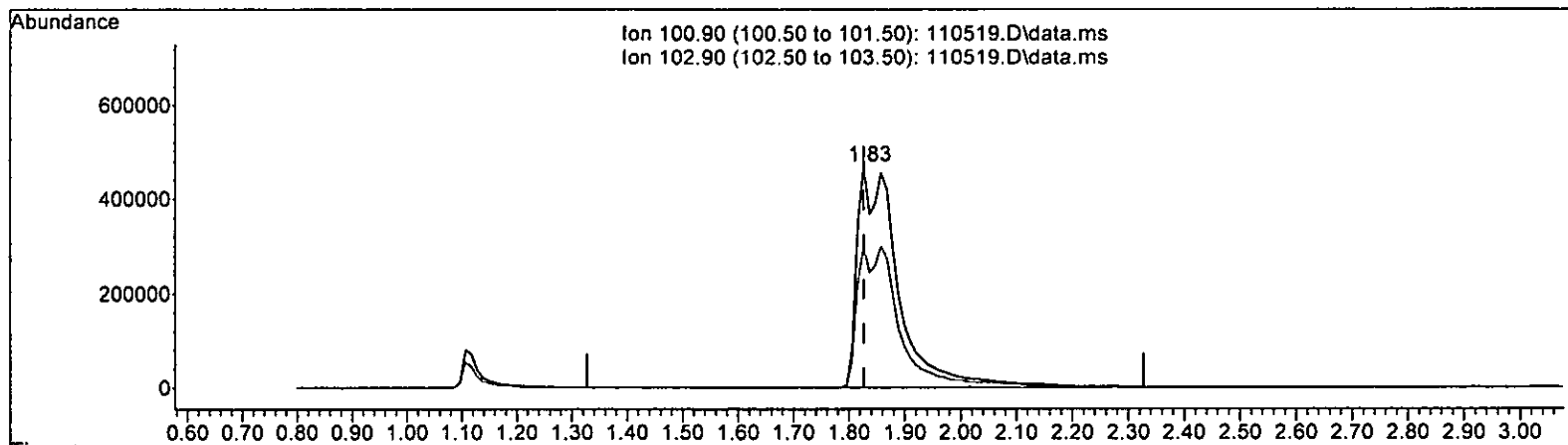
response 793121

Ion	Exp%	Act%
100.90	100.00	100.00
102.90	65.30	63.86
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110519.D
 Acq On : 05 Nov 2022 04:35 pm
 Operator : VM
 Sample : 200 ppb 8260 ICAL 67-177U
 Misc : soil/water
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:35 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110519.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.827min (-0.000) 217.013 ppb m

response 2564676

Ion	Exp%	Act%
100.90	100.00	100.00
102.90	65.30	63.87
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110519.D
 Acq On : 05 Nov 2022 04:35 pm
 Operator : VM
 Sample : 200 ppb 8260 ICAL 67-177U
 Misc : soil/water
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:35 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	4.75	96	105227	10.000	ppb	0.00
39) Chlorobenzene-d5	7.40	117	91763	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	54540	10.000	ppb	# 0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.17	113	34428	10.202	ppb	0.00
Spiked Amount	10.000	Range	50 - 150	Recovery	=	102.00%
30) 1,2-Dichloroethane-d4	4.45	102	6708	10.258	ppb	0.00
Spiked Amount	10.000	Range	84 - 120	Recovery	=	102.60%
35) Toluene-d8	6.11	98	102678	10.231	ppb	0.00
Spiked Amount	10.000	Range	73 - 128	Recovery	=	102.30%
57) 4-Bromofluorobenzene	8.51	95	35402	9.420	ppb	0.00
Spiked Amount	10.000	Range	57 - 146	Recovery	=	94.20%
Target Compounds						
						Qvalue
2) Ethanol	2.32	45	3275	No Calib		
4) Dichlorodifluoromethane	1.11	85	1824000	216.665	ppb	99
5) Chloromethane	1.25	50	1057643	205.895	ppb	95
6] Vinyl chloride	1.34	62	1025726	191.237	ppb	100
7) Bromomethane	1.58	94	886205	194.935	ppb	97
8] Chloroethane	1.64	64	494308	205.424	ppb	98
9) Trichlorofluoromethane	1.83	101	2564676m	217.013	ppb	
10] 2-Propanol	2.32	45	3275	No Calib	#	
11) Acetone	2.32	58	314218	1003.972	ppb	93
12] 1,1-Dichloroethene	2.27	96	565382	188.589	ppb	93
13) Hexane	3.16	57	725646	213.314	ppb	98
14) Methylene chloride	2.68	84	572042	200.216	ppb	96
15) t-Butyl alcohol (TBA)	2.82	59	283799	1123.683	ppb	92
16] Methyl t-butyl ether (...)	2.93	73	1451911	207.241	ppb	97
17] trans-1,2-Dichloroethene	2.91	96	630767	188.225	ppb	81
18) Diisopropyl ether (DIPE)	3.35	45	1431889	195.017	ppb	99
19] 1,1-Dichloroethane	3.27	63	949604	194.742	ppb	98
20) Ethyl t-butyl ether (E...)	3.66	87	642901	237.165	ppb	94
21) 2,2-Dichloropropane	3.76	77	618335	199.561	ppb	100
22] cis-1,2-Dichloroethene	3.77	96	667605	190.445	ppb	97
23) Chloroform	4.04	83	1128316	199.076	ppb	98
24) 2-Butanone (MEK)	3.79	43	1385193	999.839	ppb	98
25) t-Amyl methyl ether (T...)	4.61	73	1293539	227.466	ppb	94
26] 1,2-Dichloroethane (EDC)	4.53	62	831200	200.661	ppb	99
27] 1,1,1-Trichloroethane	4.19	97	1106308	218.203	ppb	98
28) 1,1-Dichloropropene	4.33	75	795751	200.176	ppb	95
29) Carbon tetrachloride	4.33	117	1126513	220.676	ppb	100
31] Benzene	4.50	78	2128648	180.887	ppb	98
32] Trichloroethene	5.05	95	728836	188.974	ppb	# 76
33) 1,2-Dichloropropane	5.24	63	497249	196.121	ppb	97
34) Bromodichloromethane	5.48	83	873574	214.733	ppb	93
36) Dibromomethane	5.35	93	442590	191.655	ppb	# 78

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110519.D
 Acq On : 05 Nov 2022 04:35 pm
 Operator : VM
 Sample : 200 ppb 8260 ICAL 67-177U
 Misc : soil/water
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS13

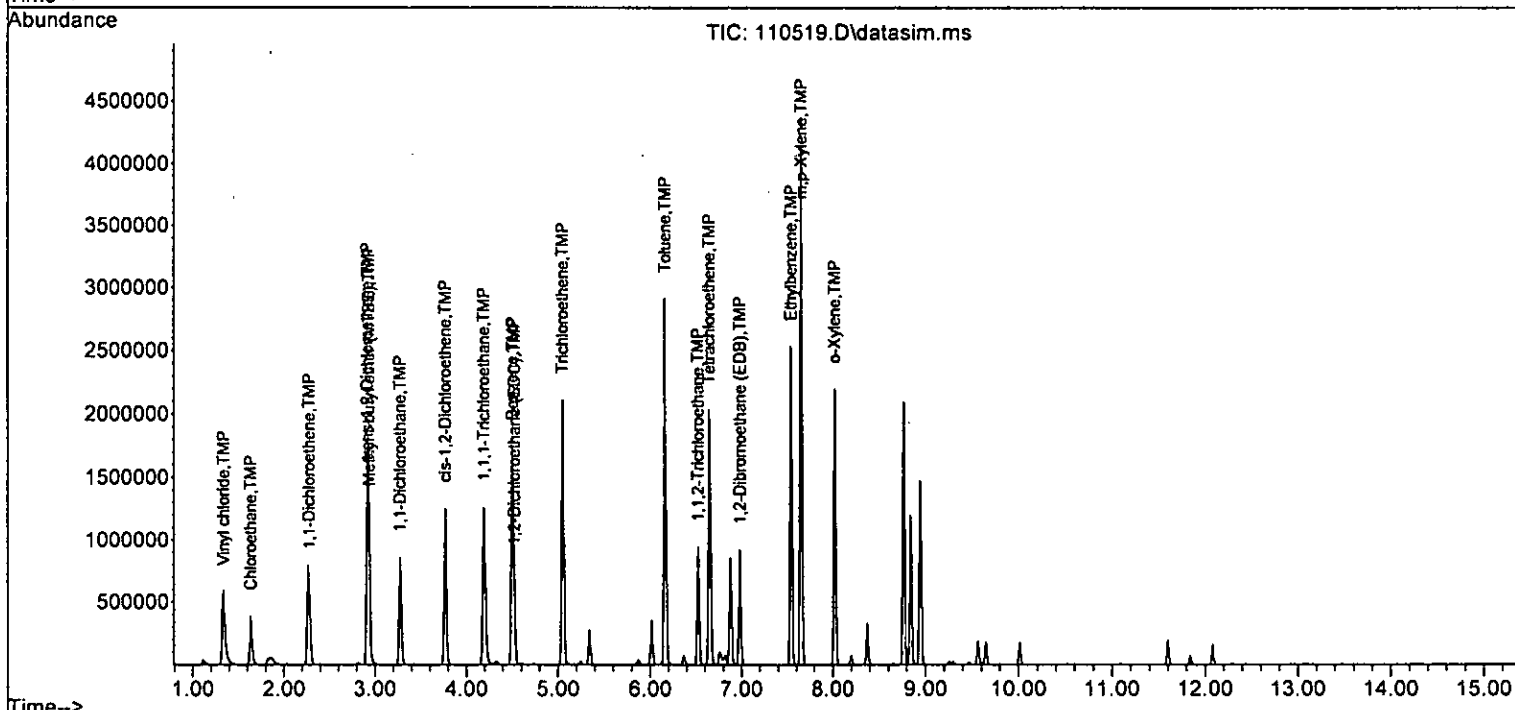
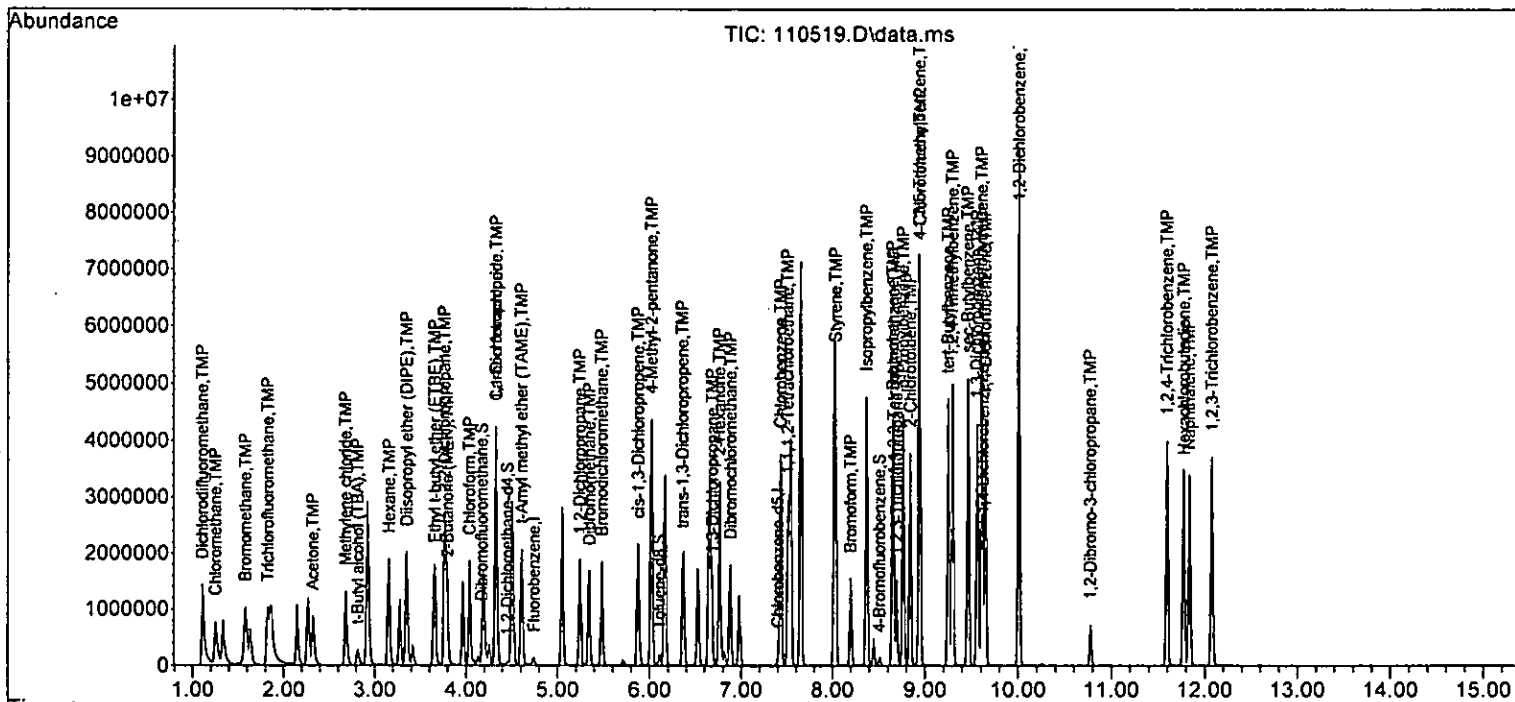
Quant Time: Nov 07 15:17:35 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	6.02	85	489946	1097.496	ppb	89
38) cis-1,3-Dichloropropene	5.88	75	902066	238.067	ppb	93
40] Toluene	6.16	92	1474185	200.169	ppb	93
41) trans-1,3-Dichloropropene	6.36	75	801572	198.879	ppb	90
42] 1,1,2-Trichloroethane	6.53	83	458701	200.192	ppb	90
43) 2-Hexanone	6.76	43	1734702	997.291	ppb	96
44) 1,3-Dichloropropane	6.68	76	776790	185.147	ppb	100
45] Tetrachloroethene	6.65	164	768364	200.175	ppb	96
46) Dibromochloromethane	6.88	129	897602	199.273	ppb	99
47] 1,2-Dibromoethane (EDB)	6.98	107	647622	196.298	ppb	98
48) Chlorobenzene	7.43	112	1871497	205.390	ppb	94
49] Ethylbenzene	7.54	91	2610526	182.724	ppb	92
50) 1,1,1,2-Tetrachloroethane	7.51	131	790558	222.870	ppb	97
51] m,p-Xylene	7.65	106	2141377	381.424	ppb	85
52] o-Xylene	8.02	106	1063136	196.124	ppb	85
53) Styrene	8.03	104	1702407	209.095	ppb	96
54) Isopropylbenzene	8.37	105	2776875	210.818	ppb	92
55) Bromoform	8.20	173	639607	233.107	ppb	98
58) n-Propylbenzene	8.77	91	2864984	194.579	ppb	86
59) Bromobenzene	8.65	156	958351	209.820	ppb #	77
60) 1,3,5-Trimethylbenzene	8.94	105	2216380	206.530	ppb	90
61) 1,1,2,2-Tetrachloroethane	8.66	83	612270	200.875	ppb	98
62) 1,2,3-Trichloropropane	8.70	75	464753	175.258	ppb	92
63) 2-Chlorotoluene	8.84	91	1648488	186.951	ppb	83
64) 4-Chlorotoluene	8.95	91	1951298	187.124	ppb	83
65) tert-Butylbenzene	9.25	119	2281827	214.344	ppb	90
66) 1,2,4-Trimethylbenzene	9.30	105	2347191	215.576	ppb	92
67) sec-Butylbenzene	9.46	105	3063699	214.091	ppb	92
68) p-Isopropyltoluene	9.61	119	2925975	224.761	ppb	95
69) 1,3-Dichlorobenzene	9.56	146	1701121	203.924	ppb	97
70) 1,4-Dichlorobenzene	9.65	146	1727324	202.499	ppb	96
71) 1,2-Dichlorobenzene	10.01	146	1654133	208.504	ppb	96
72) 1,2-Dibromo-3-chloropr...	10.77	75	130205	221.242	ppb	86
73) 1,2,4-Trichlorobenzene	11.60	180	1238341	233.950	ppb	97
74) Hexachlorobutadiene	11.78	225	703163	214.976	ppb	97
75) Naphthalene	11.83	128	2565831	198.845	ppb	99
76) 1,2,3-Trichlorobenzene	12.08	180	1109101	240.388	ppb	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110519.D
 Acq On : 05 Nov 2022 04:35 pm
 Operator : VM
 Sample : 200 ppb 8260 ICAL 67-177U
 Misc : soil/water
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:35 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110519.D
 Acq On : 05 Nov 2022 04:35 pm
 Operator : VM
 Sample : 200 ppb 8260 ICAL 67-177U
 Misc : soil/water
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:35 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2 TMP	Ethanol	-1.000	0.000	0.0	0	-0.01
3 S	Dibromofluoromethane	10.000	10.202	-2.0	100	0.00
4 TMP	Dichlorodifluoromethane	200.000	216.665	-8.3	100	-0.01
5 TMP	Chloromethane	200.000	205.895	-2.9	100	-0.01
6 TMP	Vinyl chloride	200.000	191.237	4.4	100	0.00
7 TMP	Bromomethane	200.000	194.935	2.5	100	0.00
8 TMP	Chloroethane	200.000	205.424	-2.7	100	-0.01
9 TMP	Trichlorofluoromethane	200.000	217.013	-8.5	103	0.00
10 TMP	2-Propanol	-1.000	0.000	0.0	0	-0.01
11 TMP	Acetone	1000.000	1003.972	-0.4	100	-0.01
12 TMP	1,1-Dichloroethene	200.000	188.589	5.7	100	0.00
13 TMP	Hexane	200.000	213.314	-6.7	100	0.00
14 TMP	Methylene chloride	200.000	200.216	-0.1	100	0.00
15 TMP	t-Butyl alcohol (TBA)	1000.000	1123.683	-12.4	100	0.00
16 TMP	Methyl t-butyl ether (MTBE)	200.000	207.241	-3.6	100	0.00
17 TMP	trans-1,2-Dichloroethene	200.000	188.225	5.9	100	-0.01
18 TMP	Diisopropyl ether (DIPE)	200.000	195.017	2.5	100	0.00
19 TMP	1,1-Dichloroethane	200.000	194.742	2.6	100	0.00
20 TMP	Ethyl t-butyl ether (ETBE)	200.000	237.165	-18.6	100	0.00
21 TMP	2,2-Dichloropropane	200.000	199.561	0.2	100	-0.01
22 TMP	cis-1,2-Dichloroethene	200.000	190.445	4.8	100	0.00
23 TMP	Chloroform	200.000	199.076	0.5	100	0.00
24 TMP	2-Butanone (MEK)	1000.000	999.839	0.0	100	0.00
25 TMP	t-Amyl methyl ether (TAME)	200.000	227.466	-13.7	100	0.00
26 TMP	1,2-Dichloroethane (EDC)	200.000	200.661	-0.3	100	0.00
27 TMP	1,1,1-Trichloroethane	200.000	218.203	-9.1	100	0.00
28 TMP	1,1-Dichloropropene	200.000	200.176	-0.1	100	0.00
29 TMP	Carbon tetrachloride	200.000	220.676	-10.3	100	0.00
30 S	1,2-Dichloroethane-d4	10.000	10.258	-2.6	100	0.00
31 TMP	Benzene	200.000	180.887	9.6	100	0.00
32 TMP	Trichloroethene	200.000	188.974	5.5	100	0.00
33 TMP	1,2-Dichloropropane	200.000	196.121	1.9	100	0.00
34 TMP	Bromodichloromethane	200.000	214.733	-7.4	100	0.00
35 S	Toluene-d8	10.000	10.231	-2.3	100	0.00
36 TMP	Dibromomethane	200.000	191.655	4.2	100	0.00
37 TMP	4-Methyl-2-pentanone	1000.000	1097.496	-9.7	100	0.00
38 TMP	cis-1,3-Dichloropropene	200.000	238.067	-19.0	100	0.00
39 I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40 TMP	Toluene	200.000	200.169	-0.1	100	0.00
41 TMP	trans-1,3-Dichloropropene	200.000	198.879	0.6	100	0.00
42 TMP	1,1,2-Trichloroethane	200.000	200.192	-0.1	100	0.00
43 TMP	2-Hexanone	1000.000	997.291	0.3	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110519.D
 Acq On : 05 Nov 2022 04:35 pm
 Operator : VM
 Sample : 200 ppb 8260 ICAL 67-177U
 Misc : soil/water
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:35 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	200.000	185.147	7.4	100	0.00
45 TMP Tetrachloroethene	200.000	200.175	-0.1	100	0.00
46 TMP Dibromochloromethane	200.000	199.273	0.4	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	200.000	196.298	1.9	100	0.00
48 TMP Chlorobenzene	200.000	205.390	-2.7	100	0.00
49 TMP Ethylbenzene	200.000	182.724	8.6	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	200.000	222.870	-11.4	100	0.00
51 TMP m,p-Xylene	400.000	381.424	4.6	100	0.00
52 TMP o-Xylene	200.000	196.124	1.9	100	0.00
53 TMP Styrene	200.000	209.095	-4.5	100	0.00
54 TMP Isopropylbenzene	200.000	210.818	-5.4	100	0.00
55 TMP Bromoform	200.000	233.107	-16.6	100	0.00
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	10.000	9.420	5.8	100	0.00
58 TMP n-Propylbenzene	200.000	194.579	2.7	100	0.00
59 TMP Bromobenzene	200.000	209.820	-4.9	100	0.00
60 TMP 1,3,5-Trimethylbenzene	200.000	206.530	-3.3	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	200.000	200.875	-0.4	100	0.00
62 TMP 1,2,3-Trichloropropane	200.000	175.258	12.4	100	0.00
63 TMP 2-Chlorotoluene	200.000	186.951	6.5	100	0.00
64 TMP 4-Chlorotoluene	200.000	187.124	6.4	100	0.00
65 TMP tert-Butylbenzene	200.000	214.344	-7.2	100	0.00
66 TMP 1,2,4-Trimethylbenzene	200.000	215.576	-7.8	100	0.00
67 TMP sec-Butylbenzene	200.000	214.091	-7.0	100	0.00
68 TMP p-Isopropyltoluene	200.000	224.761	-12.4	100	0.00
69 TMP 1,3-Dichlorobenzene	200.000	203.924	-2.0	100	0.00
70 TMP 1,4-Dichlorobenzene	200.000	202.499	-1.2	100	0.00
71 TMP 1,2-Dichlorobenzene	200.000	208.504	-4.3	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	200.000	221.242	-10.6	100	0.00
73 TMP 1,2,4-Trichlorobenzene	200.000	233.950	-17.0	100	0.00
74 TMP Hexachlorobutadiene	200.000	214.976	-7.5	100	0.00
75 TMP Naphthalene	200.000	198.845	0.6	100	0.00
76 TMP 1,2,3-Trichlorobenzene	200.000	240.388	-20.2#	100	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110519.D
 Acq On : 05 Nov 2022 04:35 pm
 Operator : VM
 Sample : 200 ppb 8260 ICAL 67-177U
 Misc : soil/water
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:35 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2 TMP	Ethanol	0.000	0.000#	0.0	0#	-0.01
3 S	Dibromofluoromethane	0.321	0.327	-1.9	100	0.00
4 TMP	Dichlorodifluoromethane	0.800	0.867	-8.4	100	-0.01
5 TMP	Chloromethane	0.488	0.503	-3.1	100	-0.01
6 TMP	Vinyl chloride	0.510	0.487	4.5	100	0.00
7 TMP	Bromomethane	0.432	0.421	2.5	100	0.00
8 TMP	Chloroethane	0.229	0.235	-2.6	100	-0.01
9 TMP	Trichlorofluoromethane	1.123	1.219	-8.5	103	0.00
10 TMP	2-Propanol	0.000	0.000	0.0	0#	-0.01
11 TMP	Acetone	0.029	0.030	-3.4	100	-0.01
12 TMP	1,1-Dichloroethene	0.285	0.269	5.6	100	0.00
13 TMP	Hexane	0.323	0.345	-6.8	100	0.00
14 TMP	Methylene chloride	0.289	0.272	5.9	100	0.00
15 TMP	t-Butyl alcohol (TBA)	0.024	0.027#	-12.5	100	0.00
16 TMP	Methyl t-butyl ether (MTBE)	0.666	0.690	-3.6	100	0.00
17 TMP	trans-1,2-Dichloroethene	0.318	0.300	5.7	100	-0.01
18 TMP	Diisopropyl ether (DIPE)	0.698	0.680	2.6	100	0.00
19 TMP	1,1-Dichloroethane	0.463	0.451	2.6	100	0.00
20 TMP	Ethyl t-butyl ether (ETBE)	0.258	0.305	-18.2	100	0.00
21 TMP	2,2-Dichloropropane	0.258	0.294	-14.0	100	-0.01
22 TMP	cis-1,2-Dichloroethene	0.333	0.317	4.8	100	0.00
23 TMP	Chloroform	0.539	0.536	0.6	100	0.00
24 TMP	2-Butanone (MEK)	0.132	0.132	0.0	100	0.00
25 TMP	t-Amyl methyl ether (TAME)	0.540	0.615	-13.9	100	0.00
26 TMP	1,2-Dichloroethane (EDC)	0.465	0.395	15.1	100	0.00
27 TMP	1,1,1-Trichloroethane	0.482	0.526	-9.1	100	0.00
28 TMP	1,1-Dichloropropene	0.370	0.378	-2.2	100	0.00
29 TMP	Carbon tetrachloride	0.485	0.535	-10.3	100	0.00
30 S	1,2-Dichloroethane-d4	0.062	0.064	-3.2	100	0.00
31 TMP	Benzene	1.118	1.011	9.6	100	0.00
32 TMP	Trichloroethene	0.367	0.346	5.7	100	0.00
33 TMP	1,2-Dichloropropane	0.241	0.236	2.1	100	0.00
34 TMP	Bromodichloromethane	0.387	0.415	-7.2	100	0.00
35 S	Toluene-d8	0.954	0.976	-2.3	100	0.00
36 TMP	Dibromomethane	0.219	0.210	4.1	100	0.00
37 TMP	4-Methyl-2-pentanone	0.042	0.047	-11.9	100	0.00
38 TMP	cis-1,3-Dichloropropene	0.360	0.429	-19.2	100	0.00
39 I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40 TMP	Toluene	0.907	0.803	11.5	100	0.00
41 TMP	trans-1,3-Dichloropropene	0.366	0.437	-19.4	100	0.00
42 TMP	1,1,2-Trichloroethane	0.285	0.250	12.3	100	0.00
43 TMP	2-Hexanone	0.190	0.189	0.5	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110519.D
 Acq On : 05 Nov 2022 04:35 pm
 Operator : VM
 Sample : 200 ppb 8260 ICAL 67-177U
 Misc : soil/water
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:35 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.457	0.423	7.4	100	0.00
45 TMP Tetrachloroethene	0.460	0.419	8.9	100	0.00
46 TMP Dibromochloromethane	0.451	0.489	-8.4	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	0.360	0.353	1.9	100	0.00
48 TMP Chlorobenzene	0.993	1.020	-2.7	100	0.00
49 TMP Ethylbenzene	1.557	1.422	8.7	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.387	0.431	-11.4	100	0.00
51 TMP m,p-Xylene	0.612	0.583	4.7	100	0.00
52 TMP o-Xylene	0.591	0.579	2.0	100	0.00
53 TMP Styrene	0.887	0.928	-4.6	100	0.00
54 TMP Isopropylbenzene	1.435	1.513	-5.4	100	0.00
55 TMP Bromoform	0.299	0.349	-16.7	100	0.00
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	0.689	0.649	5.8	100	0.00
58 TMP n-Propylbenzene	2.700	2.626	2.7	100	0.00
59 TMP Bromobenzene	0.837	0.879	-5.0	100	0.00
60 TMP 1,3,5-Trimethylbenzene	1.968	2.032	-3.3	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.626	0.561	10.4	100	0.00
62 TMP 1,2,3-Trichloropropane	0.486	0.426#	12.3	100	0.00
63 TMP 2-Chlorotoluene	1.617	1.511	6.6	100	0.00
64 TMP 4-Chlorotoluene	1.912	1.789	6.4	100	0.00
65 TMP tert-Butylbenzene	1.952	2.092	-7.2	100	0.00
66 TMP 1,2,4-Trimethylbenzene	1.996	2.152	-7.8	100	0.00
67 TMP sec-Butylbenzene	2.624	2.809	-7.1	100	0.00
68 TMP p-Isopropyltoluene	2.387	2.682	-12.4	100	0.00
69 TMP 1,3-Dichlorobenzene	1.530	1.560	-2.0	100	0.00
70 TMP 1,4-Dichlorobenzene	1.564	1.584	-1.3	100	0.00
71 TMP 1,2-Dichlorobenzene	1.455	1.516	-4.2	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	0.108	0.119	-10.2	100	0.00
73 TMP 1,2,4-Trichlorobenzene	0.971	1.135	-16.9	100	0.00
74 TMP Hexachlorobutadiene	0.600	0.645	-7.5	100	0.00
75 TMP Naphthalene	1.833	2.352	-28.3#	100	0.00
76 TMP 1,2,3-Trichlorobenzene	0.846	1.017	-20.2#	100	0.00

(#) = Out of Range

SPCC's out = 3 CCC's out = 0

Data Path : D:\Proc_GCMS13\11-07-22\
 Data File : 110706.D
 Acq On : 07 Nov 2022 10:34 am
 Operator : LM
 Sample : 10 ppb 8260 SCV 67-155
 Misc : soil/water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:49:10 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	4.73	96	107809	10.000	ppb	-0.01
39) Chlorobenzene-d5	7.40	117	88712	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	52143	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.17	113	35026	10.131	ppb	0.00
Spiked Amount	10.000	Range 50 - 150	Recovery	=	101.30%	
30) 1,2-Dichloroethane-d4	4.45	102	6899	10.297	ppb	0.00
Spiked Amount	10.000	Range 84 - 120	Recovery	=	103.00%	
35) Toluene-d8	6.11	98	104241	10.138	ppb	0.00
Spiked Amount	10.000	Range 73 - 128	Recovery	=	101.40%	
57) 4-Bromofluorobenzene	8.51	95	35177	9.791	ppb	0.00
Spiked Amount	10.000	Range 57 - 146	Recovery	=	97.90%	
Target Compounds						
						Qvalue
2) Ethanol	2.32	45	404	No Calib		
4) Dichlorodifluoromethane	1.11	85	69459	8.053	ppb	97
5) Chloromethane	1.25	50	49461	9.398	ppb	96
6] Vinyl chloride	1.34	62	50437	9.178	ppb	98
7) Bromomethane	1.57	94	48907	10.500	ppb	93
8] Chloroethane	1.65	64	24020	9.743	ppb	95
9) Trichlorofluoromethane	1.83	101	126435	10.442	ppb	95
10) 2-Propanol	2.32	45	404	No Calib	#	
11) Acetone	2.32	58	18598	65.558	ppb	89
12] 1,1-Dichloroethene	2.26	96	32255	10.501	ppb	83
13) Hexane	3.16	57	37617	10.793	ppb	96
14) Methylene chloride	2.68	84	35346	11.050	ppb	95
15) t-Butyl alcohol (TBA)	2.82	59	14861	57.432	ppb	97
16] Methyl t-butyl ether (...)	2.92	73	79509	11.077	ppb	96
17] trans-1,2-Dichloroethene	2.91	96	34006	9.905	ppb	83
18) Diisopropyl ether (DIPE)	3.34	45	73609	9.785	ppb	98
19] 1,1-Dichloroethane	3.27	63	51794	10.367	ppb	96
20) Ethyl t-butyl ether (E...)	3.65	87	31003	11.163	ppb	95
21) 2,2-Dichloropropane	3.76	77	30099	11.573	ppb	94
22] cis-1,2-Dichloroethene	3.77	96	34784	9.685	ppb	96
23) Chloroform	4.04	83	57168	9.845	ppb	97
24) 2-Butanone (MEK)	3.78	43	85005	62.847	ppb	97
25) t-Amyl methyl ether (T...)	4.61	73	66102	11.346	ppb	93
26] 1,2-Dichloroethane (EDC)	4.52	62	45561	10.401	ppb	93
27] 1,1,1-Trichloroethane	4.19	97	56350	10.848	ppb	96
28) 1,1-Dichloropropene	4.32	75	40674	10.438	ppb	98
29) Carbon tetrachloride	4.32	117	52239	9.988	ppb	99
31] Benzene	4.50	78	115853	9.609	ppb	99
32] Trichloroethene	5.04	95	37065	9.380	ppb	95
33) 1,2-Dichloropropane	5.24	63	26126	10.058	ppb	97
34) Bromodichloromethane	5.48	83	41239	9.894	ppb	90
36) Dibromomethane	5.34	93	22396	9.466	ppb	87

Data Path : D:\Proc_GCMS13\11-07-22\
 Data File : 110706.D
 Acq On : 07 Nov 2022 10:34 am
 Operator : LM
 Sample : 10 ppb 8260 SCV 67-155
 Misc : soil/water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

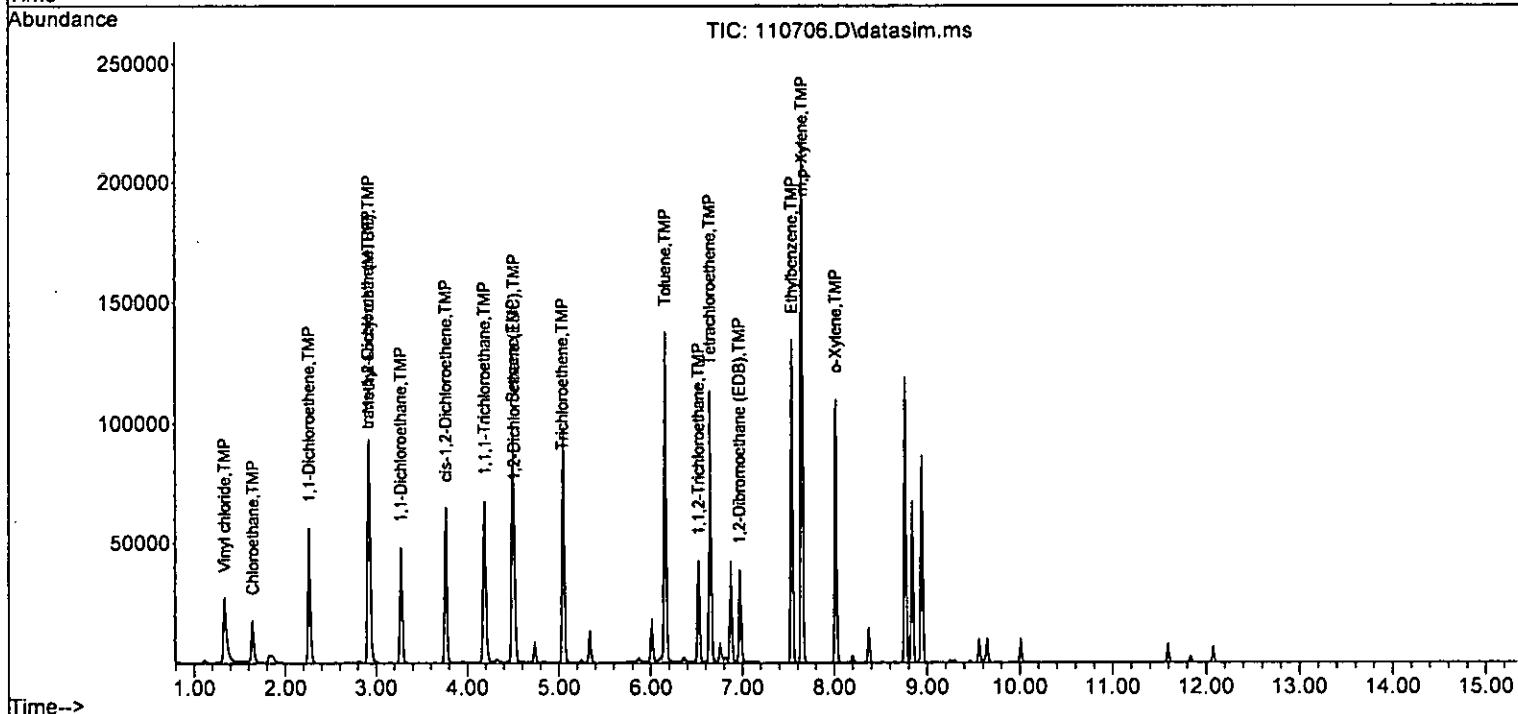
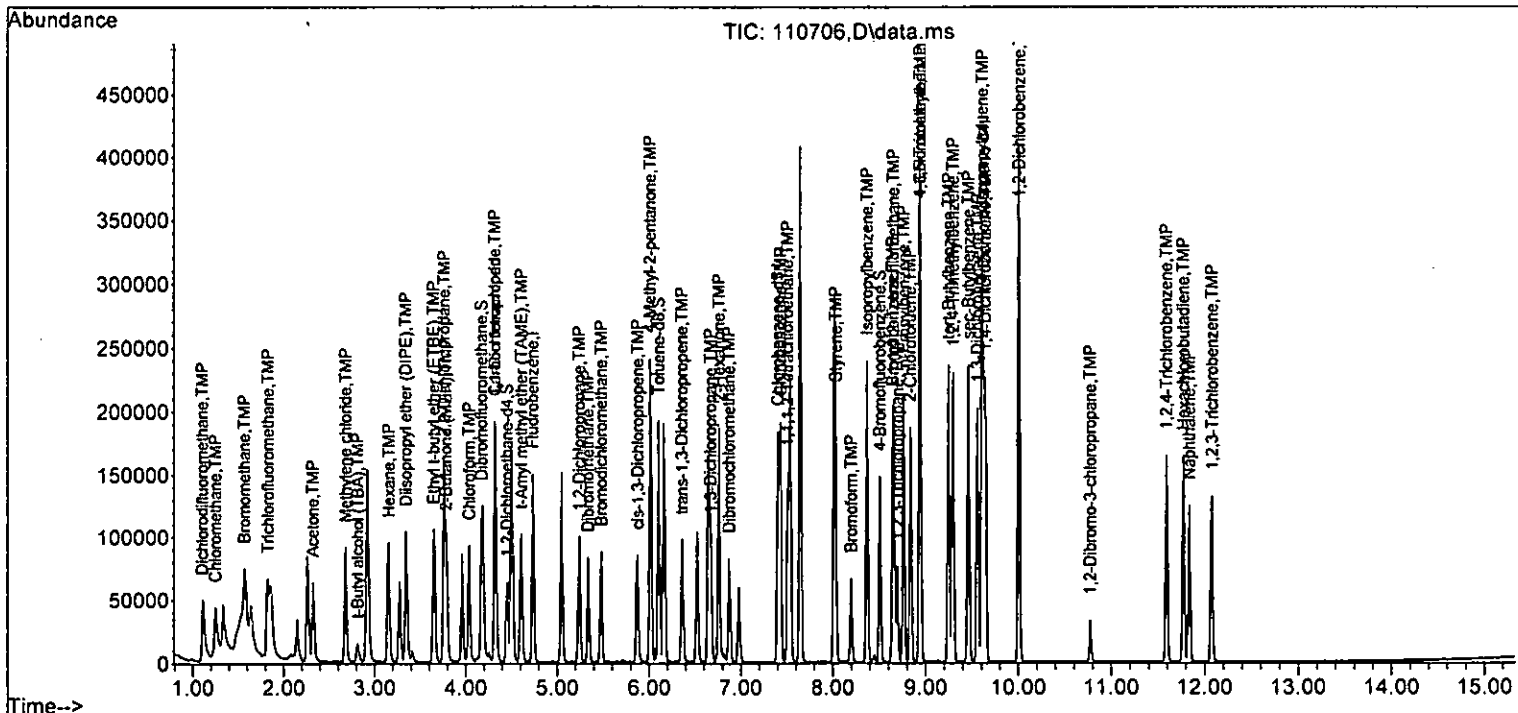
Quant Time: Nov 07 15:49:10 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	6.01	85	24794	54.209	ppb	92
38) cis-1,3-Dichloropropene	5.88	75	41041	10.572	ppb	92
40] Toluene	6.16	92	73801	10.379	ppb	94
41) trans-1,3-Dichloropropene	6.36	75	35738	11.416	ppb	91
42] 1,1,2-Trichloroethane	6.53	83	23480	10.230	ppb	84
43) 2-Hexanone	6.76	43	107316	63.819	ppb	97
44) 1,3-Dichloropropane	6.67	76	39527	9.745	ppb	99
45] Tetrachloroethene	6.65	164	37989	10.841	ppb	93
46) Dibromochloromethane	6.87	129	39620	10.380	ppb	98
47] 1,2-Dibromoethane (EDB)	6.97	107	32152	10.081	ppb	92
48) Chlorobenzene	7.43	112	88017	9.992	ppb	95
49] Ethylbenzene	7.54	91	138053	9.995	ppb	91
50) 1,1,1,2-Tetrachloroethane	7.51	131	34581	10.084	ppb	95
51] m,p-Xylene	7.65	106	109130	20.107	ppb	85
52] o-Xylene	8.02	106	53561	10.221	ppb	84
53) Styrene	8.03	104	80834	10.270	ppb	97
54) Isopropylbenzene	8.37	105	130719	10.265	ppb	95
55) Bromoform	8.20	173	25888	9.759	ppb	98
58) n-Propylbenzene	8.77	91	147169	10.455	ppb	90
59) Bromobenzene	8.65	156	44091	10.097	ppb	86
60) 1,3,5-Trimethylbenzene	8.94	105	108127	10.539	ppb	92
61) 1,1,2,2-Tetrachloroethane	8.65	83	34157	11.235	ppb	97
62) 1,2,3-Trichloropropane	8.70	75	25355	10.001	ppb	94
63) 2-Chlorotoluene	8.84	91	86164	10.221	ppb	92
64) 4-Chlorotoluene	8.94	91	102138	10.245	ppb	96
65) tert-Butylbenzene	9.25	119	102868	10.107	ppb	93
66) 1,2,4-Trimethylbenzene	9.30	105	111968	10.756	ppb	94
67) sec-Butylbenzene	9.46	105	140170	10.245	ppb	93
68) p-Isopropyltoluene	9.61	119	131454	10.562	ppb	95
69) 1,3-Dichlorobenzene	9.56	146	79493	9.967	ppb	97
70) 1,4-Dichlorobenzene	9.64	146	81416	9.983	ppb	98
71) 1,2-Dichlorobenzene	10.01	146	76374	10.070	ppb	96
72) 1,2-Dibromo-3-chloropr...	10.77	75	5936	10.550	ppb	91
73) 1,2,4-Trichlorobenzene	11.59	180	47850	9.456	ppb	93
74) Hexachlorobutadiene	11.77	225	29539	9.446	ppb	98
75) Naphthalene	11.83	128	87948	9.094	ppb	98
76) 1,2,3-Trichlorobenzene	12.08	180	39153	8.876	ppb	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS13\11-07-22\
 Data File : 110706.D
 Acq On : 07 Nov 2022 10:34 am
 Operator : LM
 Sample : 10 ppb 8260 SCV 67-155
 Misc : soil/water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:49:10 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-07-22\
 Data File : 110706.D
 Acq On : 07 Nov 2022 10:34 am
 Operator : LM
 Sample : 10 ppb 8260 SCV 67-155
 Misc : soil/water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:49:10 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I Fluorobenzene	10.000	10.000	0.0	103	-0.01
2 TMP Ethanol	-1.000	0.000	0.0	0	-0.01
3 S Dibromofluoromethane	10.000	10.131	-1.3	105	0.00
4 TMP Dichlorodifluoromethane	10.000	8.053	19.5	84	-0.01
5 TMP Chloromethane	10.000	9.398	6.0	94	-0.01
6 TMP Vinyl chloride	10.000	9.178	8.2	97	0.00
7 TMP Bromomethane	10.000	10.500	-5.0	96	-0.01
8 TMP Chloroethane	10.000	9.743	2.6	97	0.00
9 TMP Trichlorofluoromethane	10.000	10.442	-4.4	111	0.00
10 TMP 2-Propanol	-1.000	0.000	0.0	0	-0.01
11 TMP Acetone	50.000	65.558	-31.1#	124	-0.01
12 TMP 1,1-Dichloroethene	10.000	10.501	-5.0	110	-0.01
13 TMP Hexane	10.000	10.793	-7.9	110	0.00
14 TMP Methylene chloride	10.000	11.050	-10.5	112	0.00
15 TMP t-Butyl alcohol (TBA)	50.000	57.432	-14.9	117	0.00
16 TMP Methyl t-butyl ether (MTBE)	10.000	11.077	-10.8	113	-0.01
17 TMP trans-1,2-Dichloroethene	10.000	9.905	1.0	104	-0.01
18 TMP Diisopropyl ether (DIPE)	10.000	9.785	2.1	105	-0.01
19 TMP 1,1-Dichloroethane	10.000	10.367	-3.7	105	0.00
20 TMP Ethyl t-butyl ether (ETBE)	10.000	11.163	-11.6	120	-0.01
21 TMP 2,2-Dichloropropane	10.000	11.573	-15.7	127	-0.01
22 TMP cis-1,2-Dichloroethene	10.000	9.685	3.1	99	0.00
23 TMP Chloroform	10.000	9.845	1.5	103	0.00
24 TMP 2-Butanone (MEK)	50.000	62.847	-25.7#	124	-0.01
25 TMP t-Amyl methyl ether (TAME)	10.000	11.346	-13.5	118	0.00
26 TMP 1,2-Dichloroethane (EDC)	10.000	10.401	-4.0	103	-0.01
27 TMP 1,1,1-Trichloroethane	10.000	10.848	-8.5	114	0.00
28 TMP 1,1-Dichloropropene	10.000	10.438	-4.4	106	-0.01
29 TMP Carbon tetrachloride	10.000	9.988	0.1	107	-0.01
30 S 1,2-Dichloroethane-d4	10.000	10.297	-3.0	101	0.00
31 TMP Benzene	10.000	9.609	3.9	101	0.00
32 TMP Trichloroethene	10.000	9.380	6.2	100	-0.01
33 TMP 1,2-Dichloropropane	10.000	10.058	-0.6	106	0.00
34 TMP Bromodichloromethane	10.000	9.894	1.1	100	0.00
35 S Toluene-d8	10.000	10.138	-1.4	103	0.00
36 TMP Dibromomethane	10.000	9.466	5.3	99	-0.01
37 TMP 4-Methyl-2-pentanone	50.000	54.209	-8.4	110	-0.01
38 TMP cis-1,3-Dichloropropene	10.000	10.572	-5.7	119	0.00
39 I Chlorobenzene-d5	10.000	10.000	0.0	102	0.00
40 TMP Toluene	10.000	10.379	-3.8	102	0.00
41 TMP trans-1,3-Dichloropropene	10.000	11.416	-14.2	124	0.00
42 TMP 1,1,2-Trichloroethane	10.000	10.230	-2.3	101	0.00
43 TMP 2-Hexanone	50.000	63.819	-27.6#	129	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-07-22\
 Data File : 110706.D
 Acq On : 07 Nov 2022 10:34 am
 Operator : LM
 Sample : 10 ppb 8260 SCV 67-155
 Misc : soil/water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:49:10 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	10.000	9.745	2.6	99	-0.01
45 TMP Tetrachloroethene	10.000	10.841	-8.4	106	0.00
46 TMP Dibromochloromethane	10.000	10.380	-3.8	108	-0.01
47 TMP 1,2-Dibromoethane (EDB)	10.000	10.081	-0.8	105	-0.01
48 TMP Chlorobenzene	10.000	9.992	0.1	105	0.00
49 TMP Ethylbenzene	10.000	9.995	0.1	104	0.00
50 TMP 1,1,1,2-Tetrachloroethane	10.000	10.084	-0.8	108	0.00
51 TMP m,p-Xylene	20.000	20.107	-0.5	105	0.00
52 TMP o-Xylene	10.000	10.221	-2.2	107	0.00
53 TMP Styrene	10.000	10.270	-2.7	104	0.00
54 TMP Isopropylbenzene	10.000	10.265	-2.7	104	0.00
55 TMP Bromoform	10.000	9.759	2.4	103	0.00
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	102	0.00
57 S 4-Bromofluorobenzene	10.000	9.791	2.1	100	0.00
58 TMP n-Propylbenzene	10.000	10.455	-4.6	103	0.00
59 TMP Bromobenzene	10.000	10.097	-1.0	104	0.00
60 TMP 1,3,5-Trimethylbenzene	10.000	10.539	-5.4	107	0.00
61 TMP 1,1,2,2-Tetrachloroethane	10.000	11.235	-12.3	107	0.00
62 TMP 1,2,3-Trichloropropane	10.000	10.001	-0.0	104	0.00
63 TMP 2-Chlorotoluene	10.000	10.221	-2.2	102	0.00
64 TMP 4-Chlorotoluene	10.000	10.245	-2.4	105	0.00
65 TMP tert-Butylbenzene	10.000	10.107	-1.1	106	0.00
66 TMP 1,2,4-Trimethylbenzene	10.000	10.756	-7.6	109	0.00
67 TMP sec-Butylbenzene	10.000	10.245	-2.4	104	0.00
68 TMP p-Isopropyltoluene	10.000	10.562	-5.6	108	0.00
69 TMP 1,3-Dichlorobenzene	10.000	9.967	0.3	103	0.00
70 TMP 1,4-Dichlorobenzene	10.000	9.983	0.2	104	0.00
71 TMP 1,2-Dichlorobenzene	10.000	10.070	-0.7	102	0.00
72 TMP 1,2-Dibromo-3-chloropropane	10.000	10.550	-5.5	111	0.00
73 TMP 1,2,4-Trichlorobenzene	10.000	9.456	5.4	102	0.00
74 TMP Hexachlorobutadiene	10.000	9.446	5.5	100	0.00
75 TMP Naphthalene	10.000	9.094	9.1	100	0.00
76 TMP 1,2,3-Trichlorobenzene	10.000	8.876	11.2	95	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-07-22\
 Data File : 110706.D
 Acq On : 07 Nov 2022 10:34 am
 Operator : LM
 Sample : 10 ppb 8260 SCV 67-155
 Misc : soil/water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:49:10 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I Fluorobenzene	1.000	1.000	0.0	103	-0.01
2 TMP Ethanol	0.000	0.000#	0.0	0#	-0.01
3 S Dibromofluoromethane	0.321	0.325	-1.2	105	0.00
4 TMP Dichlorodifluoromethane	0.800	0.644	19.5	84	-0.01
5 TMP Chloromethane	0.488	0.459	5.9	94	-0.01
6 TMP Vinyl chloride	0.510	0.468	8.2	97	0.00
7 TMP Bromomethane	0.432	0.454	-5.1	96	-0.01
8 TMP Chloroethane	0.229	0.223	2.6	97	0.00
9 TMP Trichlorofluoromethane	1.123	1.173	-4.5	111	0.00
10 TMP 2-Propanol	0.000	0.000	0.0	0#	-0.01
11 TMP Acetone	0.029	0.035	-20.7#	124	-0.01
12 TMP 1,1-Dichloroethene	0.285	0.299	-4.9	110	-0.01
13 TMP Hexane	0.323	0.349	-8.0	110	0.00
14 TMP Methylene chloride	0.289	0.328	-13.5	112	0.00
15 TMP t-Butyl alcohol (TBA)	0.024	0.028#	-16.7	117	0.00
16 TMP Methyl t-butyl ether (MTBE)	0.666	0.737	-10.7	113	-0.01
17 TMP trans-1,2-Dichloroethene	0.318	0.315	0.9	104	-0.01
18 TMP Diisopropyl ether (DIPE)	0.698	0.683	2.1	105	-0.01
19 TMP 1,1-Dichloroethane	0.463	0.480	-3.7	105	0.00
20 TMP Ethyl t-butyl ether (ETBE)	0.258	0.288	-11.6	120	-0.01
21 TMP 2,2-Dichloropropane	0.258	0.279	-8.1	127	-0.01
22 TMP cis-1,2-Dichloroethene	0.333	0.323	3.0	99	0.00
23 TMP Chloroform	0.539	0.530	1.7	103	0.00
24 TMP 2-Butanone (MEK)	0.132	0.158	-19.7	124	-0.01
25 TMP t-Amyl methyl ether (TAME)	0.540	0.613	-13.5	118	0.00
26 TMP 1,2-Dichloroethane (EDC)	0.465	0.423	9.0	103	-0.01
27 TMP 1,1,1-Trichloroethane	0.482	0.523	-8.5	114	0.00
28 TMP 1,1-Dichloropropene	0.370	0.377	-1.9	106	-0.01
29 TMP Carbon tetrachloride	0.485	0.485	0.0	107	-0.01
30 S 1,2-Dichloroethane-d4	0.062	0.064	-3.2	101	0.00
31 TMP Benzene	1.118	1.075	3.8	101	0.00
32 TMP Trichloroethene	0.367	0.344	6.3	100	-0.01
33 TMP 1,2-Dichloropropane	0.241	0.242	-0.4	106	0.00
34 TMP Bromodichloromethane	0.387	0.383	1.0	100	0.00
35 S Toluene-d8	0.954	0.967	-1.4	103	0.00
36 TMP Dibromomethane	0.219	0.208	5.0	99	-0.01
37 TMP 4-Methyl-2-pentanone	0.042	0.046	-9.5	110	-0.01
38 TMP cis-1,3-Dichloropropene	0.360	0.381	-5.8	119	0.00
39 I Chlorobenzene-d5	1.000	1.000	0.0	102	0.00
40 TMP Toluene	0.907	0.832	8.3	102	0.00
41 TMP trans-1,3-Dichloropropene	0.366	0.403	-10.1	124	0.00
42 TMP 1,1,2-Trichloroethane	0.285	0.265	7.0	101	0.00
43 TMP 2-Hexanone	0.190	0.242	-27.4#	129	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-07-22\
 Data File : 110706.D
 Acq On : 07 Nov 2022 10:34 am
 Operator : LM
 Sample : 10 ppb 8260 SCV 67-155
 Misc : soil/water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:49:10 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.457	0.446	2.4	99	-0.01
45 TMP Tetrachloroethene	0.460	0.428	7.0	106	0.00
46 TMP Dibromochloromethane	0.451	0.447	0.9	108	-0.01
47 TMP 1,2-Dibromoethane (EDB)	0.360	0.362	-0.6	105	-0.01
48 TMP Chlorobenzene	0.993	0.992	0.1	105	0.00
49 TMP Ethylbenzene	1.557	1.556	0.1	104	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.387	0.390	-0.8	108	0.00
51 TMP m,p-Xylene	0.612	0.615	-0.5	105	0.00
52 TMP o-Xylene	0.591	0.604	-2.2	107	0.00
53 TMP Styrene	0.887	0.911	-2.7	104	0.00
54 TMP Isopropylbenzene	1.435	1.474	-2.7	104	0.00
55 TMP Bromoform	0.299	0.292	2.3	103	0.00
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	102	0.00
57 S 4-Bromofluorobenzene	0.689	0.675	2.0	100	0.00
58 TMP n-Propylbenzene	2.700	2.822	-4.5	103	0.00
59 TMP Bromobenzene	0.837	0.846	-1.1	104	0.00
60 TMP 1,3,5-Trimethylbenzene	1.968	2.074	-5.4	107	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.626	0.655	-4.6	107	0.00
62 TMP 1,2,3-Trichloropropane	0.486	0.486#	0.0	104	0.00
63 TMP 2-Chlorotoluene	1.617	1.652	-2.2	102	0.00
64 TMP 4-Chlorotoluene	1.912	1.959	-2.5	105	0.00
65 TMP tert-Butylbenzene	1.952	1.973	-1.1	106	0.00
66 TMP 1,2,4-Trimethylbenzene	1.996	2.147	-7.6	109	0.00
67 TMP sec-Butylbenzene	2.624	2.688	-2.4	104	0.00
68 TMP p-Isopropyltoluene	2.387	2.521	-5.6	108	0.00
69 TMP 1,3-Dichlorobenzene	1.530	1.525	0.3	103	0.00
70 TMP 1,4-Dichlorobenzene	1.564	1.561	0.2	104	0.00
71 TMP 1,2-Dichlorobenzene	1.455	1.465	-0.7	102	0.00
72 TMP 1,2-Dibromo-3-chloropropane	0.108	0.114	-5.6	111	0.00
73 TMP 1,2,4-Trichlorobenzene	0.971	0.918	5.5	102	0.00
74 TMP Hexachlorobutadiene	0.600	0.566	5.7	100	0.00
75 TMP Naphthalene	1.833	1.687	8.0	100	0.00
76 TMP 1,2,3-Trichlorobenzene	0.846	0.751	11.2	95	0.00

(#) = Out of Range

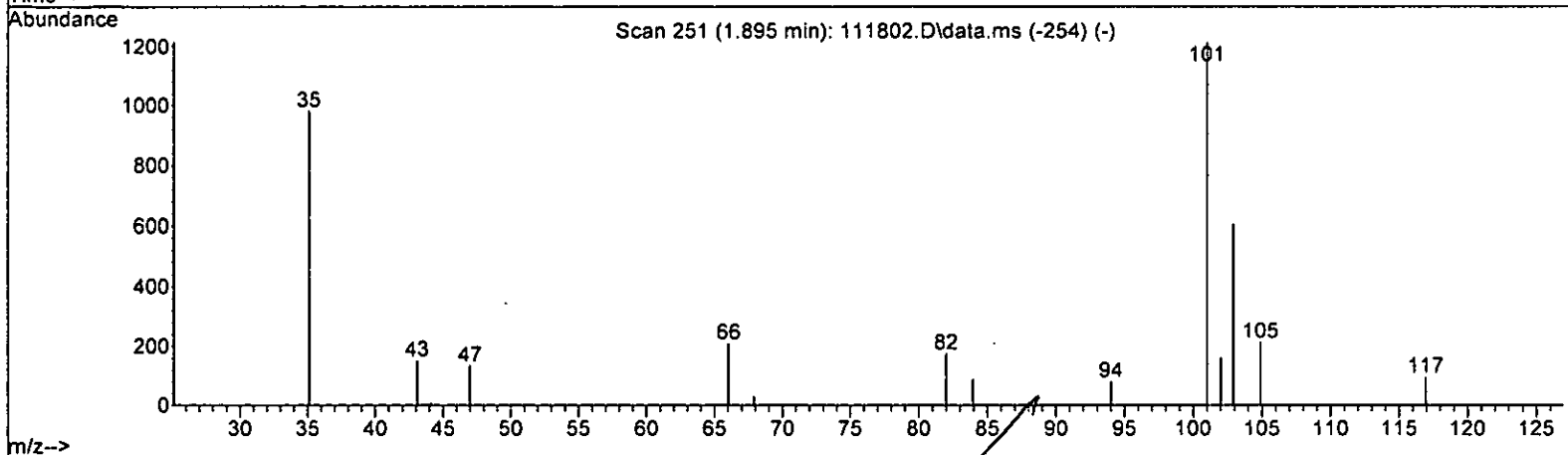
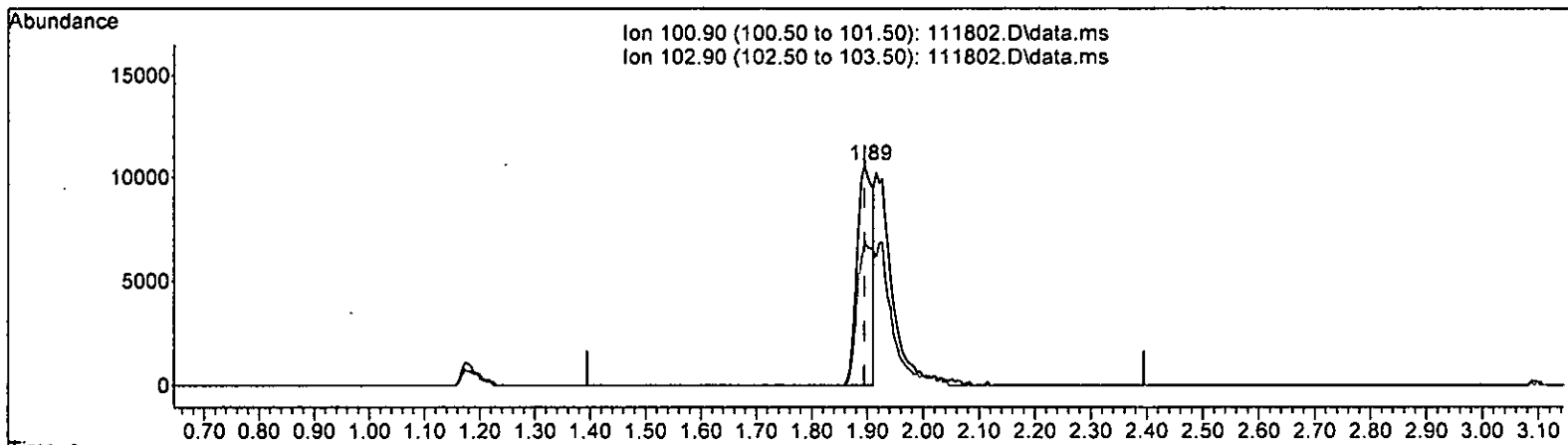
SPCC's out = 3 CCC's out = 0

EPA 8260D
CCV Summaries

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS4\11-18-22\
 Data File : 111802.D
 Acq On : 18 Nov 2022 5:48 am
 Operator : lm
 Sample : 10 ppb 8260 CCV 67-150N
 Misc : soil/water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 18 07:07:40 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



TIC: 111802.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.895min (-0.000) 6.001 ppb

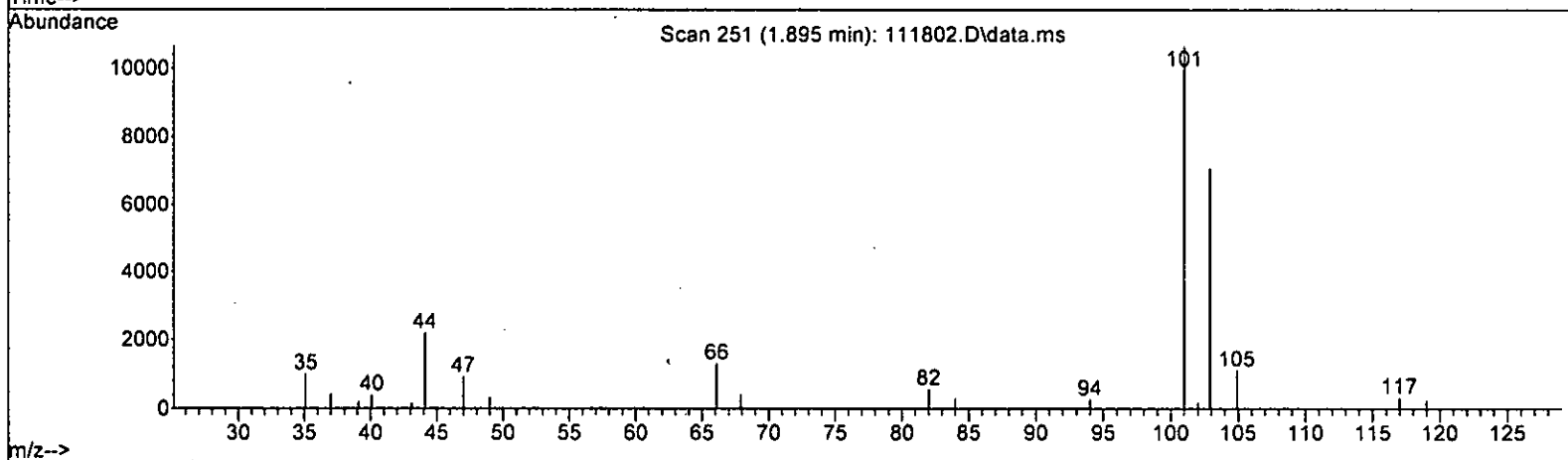
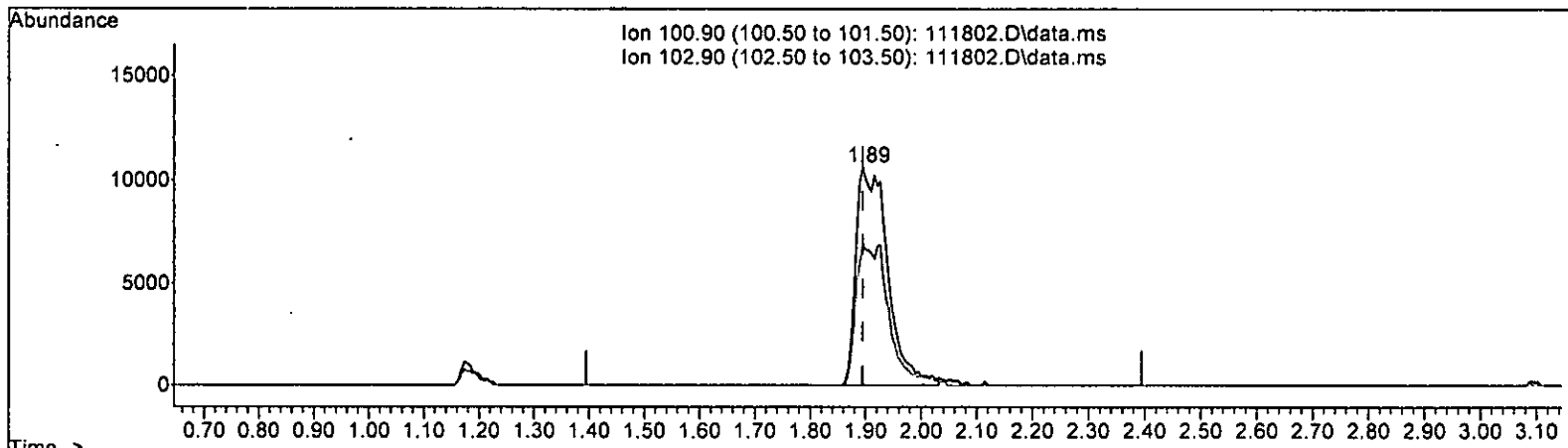
response	20530	
Ion	Exp%	Act%
100.90	100.00	100.00
102.90	61.00	66.34
0.00	0.00	0.00
0.00	0.00	0.00

M 11-18-22

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS4\11-18-22\
 Data File : 111802.D
 Acq On : 18 Nov 2022 5:48 am
 Operator : lm
 Sample : 10 ppb 8260 CCV 67-150N
 Misc : soil/water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 18 07:07:40 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



TIC: 111802.D\data.ms

(9) Trichlorofluoromethane (TMP) *lm 11.18.22*

1.895min (-0.000) 12.285 ppb m

response	42030
Ion	Exp% Act%
100.90	100.00 100.00
102.90	61.00 66.34
0.00	0.00 0.00
0.00	0.00 0.00

Data Path : Y:\Proc_GCMS4\11-18-22\
 Data File : 111802.D
 Acq On : 18 Nov 2022 5:48 am
 Operator : lm
 Sample : 10 ppb 8260 CCV 67-150N
 Misc : soil/water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 18 07:07:40 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) Fluorobenzene	4.78	96	60907	10.000	ppb	0.00	
39) Chlorobenzene-d5	7.43	117	57095	10.000	ppb	0.00	
56) 1,4-Dichlorobenzene-d4	9.65	152	37994	10.000	ppb	0.00	
System Monitoring Compounds							
3) Dibromofluoromethane	4.21	113	17516	10.461	ppb	0.00	
Spiked Amount	10.000	Range 0 - 1000	Recovery	=	104.60%		
30) 1,2-Dichloroethane-d4	4.49	102	3706	9.583	ppb	0.00	
Spiked Amount	10.000	Range 90 - 109	Recovery	=	95.80%		
35) Toluene-d8	6.14	98	64807	10.622	ppb	0.00	
Spiked Amount	10.000	Range 89 - 112	Recovery	=	106.20%		
57) 4-Bromofluorobenzene	8.54	95	26586	9.978	ppb	0.00	
Spiked Amount	10.000	Range 84 - 115	Recovery	=	99.80%		
Target Compounds							
2) Ethanol	0.00		0	N.D.			Qvalue
4) Dichlorodifluoromethane	1.18	85	24705	9.902	ppb	96	
5) Chloromethane	1.31	50	24648	10.656	ppb	98	
6) Vinyl chloride	1.40	62	24960	11.375	ppb	99	
7) Bromomethane	1.64	94	20411	20.004	ppb	96	
8) Chloroethane	1.71	64	13640	11.853	ppb	96	
9) Trichlorofluoromethane	1.89	101	42030m	12.285	ppb		
10) 2-Propanol	2.98	45	2900	No Calib			
11) Acetone	2.38	58	17176	105.157	ppb	99	
12) 1,1-Dichloroethene	2.32	96	21705	10.690	ppb	85	
13) Hexane	3.20	57	23091	10.879	ppb	96	
14) Methylene chloride	2.73	84	23810	10.881	ppb	89	
15) t-Butyl alcohol (TBA)	2.86	59	16527	52.961	ppb	91	
16) Methyl t-butyl ether (...)	2.98	73	62315	10.532	ppb	98	
17) trans-1,2-Dichloroethene	2.97	96	22543	10.489	ppb	# 79	
18) Diisopropyl ether (DIPE)	3.40	45	54758	10.118	ppb	95	
19) 1,1-Dichloroethane	3.32	63	34268	10.501	ppb	98	
20) Ethyl t-butyl ether (E...)	3.70	87	26913	10.397	ppb	87	
21) 2,2-Dichloropropane	3.81	77	25405	12.117	ppb	91	
22) cis-1,2-Dichloroethene	3.80	96	24793	10.656	ppb	# 80	
23) Chloroform	4.08	83	38747	10.958	ppb	99	
24) 2-Butanone (MEK)	3.83	43	63457	55.984	ppb	91	
25) t-Amyl methyl ether (T...)	4.65	73	60466	10.302	ppb	97	
26) 1,2-Dichloroethane (EDC)	4.55	62	28590	10.713	ppb	97	
27) 1,1,1-Trichloroethane	4.23	97	34823	10.739	ppb	94	
28) 1,1-Dichloropropene	4.37	75	29531	10.820	ppb	87	
29) Carbon tetrachloride	4.37	117	32801	11.237	ppb	99	
31) Benzene	4.54	78	83700	10.689	ppb	95	
32) Trichloroethene	5.09	95	24272	10.687	ppb	# 75	
33) 1,2-Dichloropropane	5.27	63	19286	11.133	ppb	98	
34) Bromodichloromethane	5.51	83	27574	10.488	ppb	94	
36) Dibromomethane	5.37	93	14928	11.361	ppb	82	

Data Path : Y:\Proc_GCMS4\11-18-22\
 Data File : 111802.D
 Acq On : 18 Nov 2022 5:48 am
 Operator : lm
 Sample : 10 ppb 8260 CCV 67-150N
 Misc : soil/water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS4

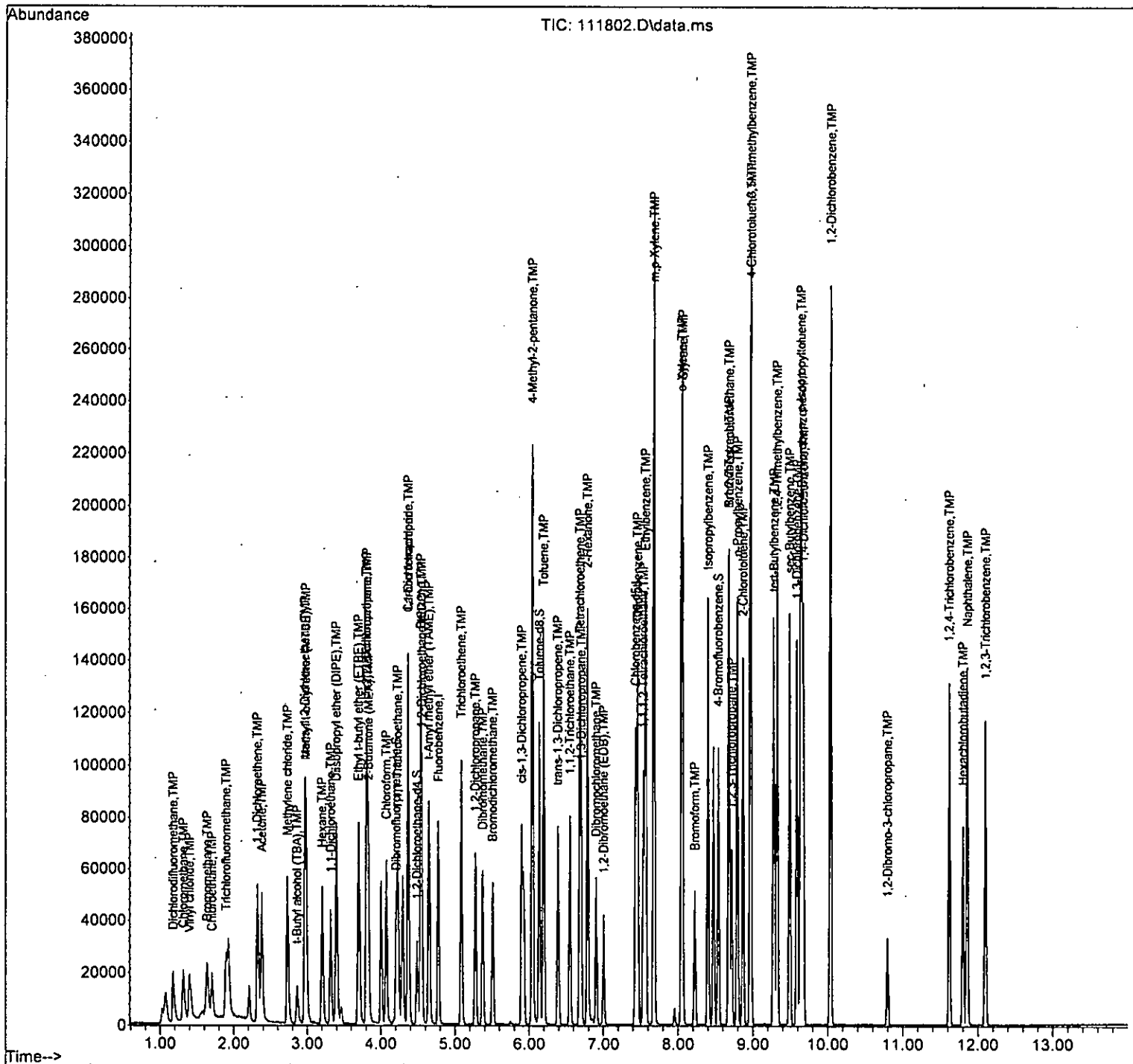
Quant Time: Nov 18 07:07:40 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	6.04	85	25125	53.648	ppb #	74
38) cis-1,3-Dichloropropene	5.90	75	32883	10.708	ppb	90
40) Toluene	6.19	92	53168	9.623	ppb	97
41) trans-1,3-Dichloropropene	6.39	75	30436	9.642	ppb	92
42) 1,1,2-Trichloroethane	6.55	83	16557	9.894	ppb	92
43) 2-Hexanone	6.79	43	82511	45.100	ppb	96
44) 1,3-Dichloropropane	6.70	76	30875	9.653	ppb	99
45) Tetrachloroethene	6.69	164	25415	10.332	ppb	98
46) Dibromochloromethane	6.90	129	25827	10.715	ppb	98
47) 1,2-Dibromoethane (EDB)	7.00	107	22156	9.745	ppb	99
48) Chlorobenzene	7.46	112	65526	9.996	ppb	86
49) Ethylbenzene	7.56	91	101709	9.654	ppb	93
50) 1,1,1,2-Tetrachloroethane	7.54	131	23890	9.833	ppb	95
51) m,p-Xylene	7.67	106	84341	19.803	ppb	89
52) o-Xylene	8.05	106	41268	9.752	ppb	84
53) Styrene	8.06	104	68480	9.534	ppb	90
54) Isopropylbenzene	8.40	105	99852	9.312	ppb	92
55) Bromoform	8.22	173	21839	11.156	ppb	96
58) n-Propylbenzene	8.79	91	113510	9.439	ppb	90
59) Bromobenzene	8.68	156	34269	9.849	ppb #	77
60) 1,3,5-Trimethylbenzene	8.97	105	85486	9.631	ppb	85
61) 1,1,2,2-Tetrachloroethane	8.68	83	29239	9.547	ppb	95
62) 1,2,3-Trichloropropane	8.72	75	22991	9.912	ppb	98
63) 2-Chlorotoluene	8.87	91	67901	9.458	ppb	87
64) 4-Chlorotoluene	8.97	91	80281	9.378	ppb	83
65) tert-Butylbenzene	9.28	119	75605	9.649	ppb	83
66) 1,2,4-Trimethylbenzene	9.32	105	88867	9.613	ppb	93
67) sec-Butylbenzene	9.49	105	101848	9.681	ppb	95
68) p-Isopropyltoluene	9.64	119	92753	9.666	ppb	92
69) 1,3-Dichlorobenzene	9.59	146	61213	9.920	ppb	94
70) 1,4-Dichlorobenzene	9.67	146	60418	9.492	ppb	94
71) 1,2-Dichlorobenzene	10.03	146	58748	9.695	ppb	92
72) 1,2-Dibromo-3-chloropr...	10.80	75	6242	9.831	ppb #	57
73) 1,2,4-Trichlorobenzene	11.62	180	42942	9.416	ppb	95
74) Hexachlorobutadiene	11.80	225	16641	9.466	ppb	99
75) Naphthalene	11.86	128	103084	9.176	ppb	99
76) 1,2,3-Trichlorobenzene	12.10	180	39100	9.059	ppb	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS4\11-18-22\
Data File : 111802.D
Acq On : 18 Nov 2022 5:48 am
Operator : lm
Sample : 10 ppb 8260 CCV 67-150N
Misc : soil/water
ALS Vial : 2 Sample Multiplier: 1
InstName : GCMS4

Quant Time: Nov 18 07:07:40 2022
Quant Method : Y:\Methods\Inst4\VB110822ms4.M
Quant Title : 8260 Purge & Trap Volatiles
QLast Update : Tue Nov 08 16:47:05 2022
Response via : Initial Calibration
DataAcq Meth:8260VM1.M



Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS4\11-18-22\
 Data File : 111802.D
 Acq On : 18 Nov 2022 5:48 am
 Operator : lm
 Sample : 10 ppb 8260 CCV 67-150N
 Misc : soil/water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 18 07:07:40 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I Fluorobenzene	10.000	10.000	0.0	71	0.00
2 TMP Ethanol	-1.000	0.000	0.0	0	-1.07#
3 S Dibromofluoromethane	10.000	10.461	-4.6	72	0.00
4 TMP Dichlorodifluoromethane	10.000	9.902	1.0	64	0.00
5 TMP Chloromethane	10.000	10.656	-6.6	71	0.00
6 TMP Vinyl chloride	10.000	11.375	-13.8	74	0.00
7 TMP Bromomethane	10.000	20.004	-100.0#	136	0.02
8 TMP Chloroethane	10.000	11.853	-18.5	83	0.01
9 TMP Trichlorofluoromethane	10.000	12.285	-22.9#	85	0.00
10 TMP 2-Propanol	-1.000	0.000	0.0	0	0.00
11 TMP Acetone	50.000	105.157	-110.3#	120	0.00
12 TMP 1,1-Dichloroethene	10.000	10.690	-6.9	78	0.00
13 TMP Hexane	10.000	10.879	-8.8	78	0.00
14 TMP Methylene chloride	10.000	10.881	-8.8	74	0.00
15 TMP t-Butyl alcohol (TBA)	50.000	52.961	-5.9	74	0.00
16 TMP Methyl t-butyl ether (MTBE)	10.000	10.532	-5.3	73	0.00
17 TMP trans-1,2-Dichloroethene	10.000	10.489	-4.9	75	0.00
18 TMP Diisopropyl ether (DIPE)	10.000	10.118	-1.2	73	0.00
19 TMP 1,1-Dichloroethane	10.000	10.501	-5.0	74	0.00
20 TMP Ethyl t-butyl ether (ETBE)	10.000	10.397	-4.0	73	0.00
21 TMP 2,2-Dichloropropane	10.000	12.117	-21.2#	82	0.00
22 TMP cis-1,2-Dichloroethene	10.000	10.656	-6.6	78	0.00
23 TMP Chloroform	10.000	10.958	-9.6	76	0.00
24 TMP 2-Butanone (MEK)	50.000	55.984	-12.0	85	0.00
25 TMP t-Amyl methyl ether (TAME)	10.000	10.302	-3.0	72	0.00
26 TMP 1,2-Dichloroethane (EDC)	10.000	10.713	-7.1	77	0.00
27 TMP 1,1,1-Trichloroethane	10.000	10.739	-7.4	76	0.00
28 TMP 1,1-Dichloropropene	10.000	10.820	-8.2	78	0.00
29 TMP Carbon tetrachloride	10.000	11.237	-12.4	81	0.00
30 S 1,2-Dichloroethane-d4	10.000	9.583	4.2	67	0.00
31 TMP Benzene	10.000	10.689	-6.9	77	0.00
32 TMP Trichloroethene	10.000	10.687	-6.9	79	0.00
33 TMP 1,2-Dichloropropane	10.000	11.133	-11.3	78	0.00
34 TMP Bromodichloromethane	10.000	10.488	-4.9	76	0.00
35 S Toluene-d8	10.000	10.622	-6.2	75	0.00
36 TMP Dibromomethane	10.000	11.361	-13.6	79	0.00
37 TMP 4-Methyl-2-pentanone	50.000	53.648	-7.3	77	0.00
38 TMP cis-1,3-Dichloropropene	10.000	10.708	-7.1	76	0.00
39 I Chlorobenzene-d5	10.000	10.000	0.0	78	0.00
40 TMP Toluene	10.000	9.623	3.8	77	0.00
41 TMP trans-1,3-Dichloropropene	10.000	9.642	3.6	76	0.00
42 TMP 1,1,2-Trichloroethane	10.000	9.894	1.1	79	0.00
43 TMP 2-Hexanone	50.000	45.100	9.8	72	0.00

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS4\11-18-22\
 Data File : 111802.D
 Acq On : 18 Nov 2022 5:48 am
 Operator : lm
 Sample : 10 ppb 8260 CCV 67-150N
 Misc : soil/water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 18 07:07:40 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	10.000	9.653	3.5	77	0.00
45 TMP Tetrachloroethene	10.000	10.332	-3.3	83	0.00
46 TMP Dibromochloromethane	10.000	10.715	-7.1	83	0.00
47 TMP 1,2-Dibromoethane (EDB)	10.000	9.745	2.6	77	0.00
48 TMP Chlorobenzene	10.000	9.996	0.0	79	0.00
49 TMP Ethylbenzene	10.000	9.654	3.5	77	0.00
50 TMP 1,1,1,2-Tetrachloroethane	10.000	9.833	1.7	77	0.00
51 TMP m,p-Xylene	20.000	19.803	1.0	79	0.00
52 TMP o-Xylene	10.000	9.752	2.5	78	0.00
53 TMP Styrene	10.000	9.534	4.7	74	0.00
54 TMP Isopropylbenzene	10.000	9.312	6.9	74	0.00
55 TMP Bromoform	10.000	11.156	-11.6	83	0.00
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	78	0.00
57 S 4-Bromofluorobenzene	10.000	9.978	0.2	78	0.00
58 TMP n-Propylbenzene	10.000	9.439	5.6	76	0.00
59 TMP Bromobenzene	10.000	9.849	1.5	77	0.00
60 TMP 1,3,5-Trimethylbenzene	10.000	9.631	3.7	78	0.00
61 TMP 1,1,2,2-Tetrachloroethane	10.000	9.547	4.5	74	0.00
62 TMP 1,2,3-Trichloropropane	10.000	9.912	0.9	76	0.00
63 TMP 2-Chlorotoluene	10.000	9.458	5.4	76	0.00
64 TMP 4-Chlorotoluene	10.000	9.378	6.2	75	0.00
65 TMP tert-Butylbenzene	10.000	9.649	3.5	77	0.00
66 TMP 1,2,4-Trimethylbenzene	10.000	9.613	3.9	78	0.00
67 TMP sec-Butylbenzene	10.000	9.681	3.2	78	0.00
68 TMP p-Isopropyltoluene	10.000	9.666	3.3	78	0.00
69 TMP 1,3-Dichlorobenzene	10.000	9.920	0.8	78	0.00
70 TMP 1,4-Dichlorobenzene	10.000	9.492	5.1	76	0.00
71 TMP 1,2-Dichlorobenzene	10.000	9.695	3.0	77	0.00
72 TMP 1,2-Dibromo-3-chloropropane	10.000	9.831	1.7	76	0.00
73 TMP 1,2,4-Trichlorobenzene	10.000	9.416	5.8	75	0.00
74 TMP Hexachlorobutadiene	10.000	9.466	5.3	78	0.00
75 TMP Naphthalene	10.000	9.176	8.2	72	0.00
76 TMP 1,2,3-Trichlorobenzene	10.000	9.059	9.4	71	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS4\11-18-22\
 Data File : 111802.D
 Acq On : 18 Nov 2022 5:48 am
 Operator : lm
 Sample : 10 ppb 8260 CCV 67-150N
 Misc : soil/water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 18 07:07:40 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I Fluorobenzene	1.000	1.000	0.0	71	0.00
2 TMP Ethanol	0.000	0.000#	0.0	0#	-1.07#
3 S Dibromofluoromethane	0.275	0.288	-4.7	72	0.00
4 TMP Dichlorodifluoromethane	0.410	0.406	1.0	64	0.00
5 TMP Chloromethane	0.380	0.405	-6.6	71	0.00
6 TMP Vinyl chloride	0.360	0.410	-13.9	74	0.00
7 TMP Bromomethane	0.168	0.335	-99.4#	136	0.02
8 TMP Chloroethane	0.189	0.224	-18.5	83	0.01
9 TMP Trichlorofluoromethane	0.562	0.690	-22.8#	85	0.00
10 TMP 2-Propanol	0.000	0.000	0.0	0#	0.00
11 TMP Acetone	0.037	0.056	-51.4#	120	0.00
12 TMP 1,1-Dichloroethene	0.333	0.356	-6.9	78	0.00
13 TMP Hexane	0.348	0.379	-8.9	78	0.00
14 TMP Methylene chloride	0.369	0.391	-6.0	74	0.00
15 TMP t-Butyl alcohol (TBA)	0.051	0.054	-5.9	74	0.00
16 TMP Methyl t-butyl ether (MTBE)	0.971	1.023	-5.4	73	0.00
17 TMP trans-1,2-Dichloroethene	0.353	0.370	-4.8	75	0.00
18 TMP Diisopropyl ether (DIPE)	0.889	0.899	-1.1	73	0.00
19 TMP 1,1-Dichloroethane	0.536	0.563	-5.0	74	0.00
20 TMP Ethyl t-butyl ether (ETBE)	0.425	0.442	-4.0	73	0.00
21 TMP 2,2-Dichloropropane	0.352	0.417	-18.5	82	0.00
22 TMP cis-1,2-Dichloroethene	0.382	0.407	-6.5	78	0.00
23 TMP Chloroform	0.583	0.636	-9.1	76	0.00
24 TMP 2-Butanone (MEK)	0.186	0.208	-11.8	85	0.00
25 TMP t-Amyl methyl ether (TAME)	0.964	0.993	-3.0	72	0.00
26 TMP 1,2-Dichloroethane (EDC)	0.438	0.469	-7.1	77	0.00
27 TMP 1,1,1-Trichloroethane	0.532	0.572	-7.5	76	0.00
28 TMP 1,1-Dichloropropene	0.448	0.485	-8.3	78	0.00
29 TMP Carbon tetrachloride	0.479	0.539	-12.5	81	0.00
30 S 1,2-Dichloroethane-d4	0.063	0.061	3.2	67	0.00
31 TMP Benzene	1.286	1.374	-6.8	77	0.00
32 TMP Trichloroethene	0.373	0.399	-7.0	79	0.00
33 TMP 1,2-Dichloropropane	0.284	0.317	-11.6	78	0.00
34 TMP Bromodichloromethane	0.432	0.453	-4.9	76	0.00
35 S Toluene-d8	1.002	1.064	-6.2	75	0.00
36 TMP Dibromomethane	0.216	0.245	-13.4	79	0.00
37 TMP 4-Methyl-2-pentanone	0.077	0.083	-7.8	77	0.00
38 TMP cis-1,3-Dichloropropene	0.504	0.540	-7.1	76	0.00
39 I Chlorobenzene-d5	1.000	1.000	0.0	78	0.00
40 TMP Toluene	0.968	0.931	3.8	77	0.00
41 TMP trans-1,3-Dichloropropene	0.553	0.533	3.6	76	0.00
42 TMP 1,1,2-Trichloroethane	0.293	0.290	1.0	79	0.00
43 TMP 2-Hexanone	0.320	0.289	9.7	72	0.00

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS4\11-18-22\
 Data File : 111802.D
 Acq On : 18 Nov 2022 5:48 am
 Operator : lm
 Sample : 10 ppb 8260 CCV 67-150N
 Misc : soil/water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 18 07:07:40 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.560	0.541	3.4	77	0.00
45 TMP Tetrachloroethene	0.431	0.445	-3.2	83	0.00
46 TMP Dibromochloromethane	0.429	0.452	-5.4	83	0.00
47 TMP 1,2-Dibromoethane (EDB)	0.398	0.388	2.5	77	0.00
48 TMP Chlorobenzene	1.148	1.148	0.0	79	0.00
49 TMP Ethylbenzene	1.845	1.781	3.5	77	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.426	0.418	1.9	77	0.00
51 TMP m,p-Xylene	0.746	0.739	0.9	79	0.00
52 TMP o-Xylene	0.741	0.723	2.4	78	0.00
53 TMP Styrene	1.258	1.199	4.7	74	0.00
54 TMP Isopropylbenzene	1.878	1.749	6.9	74	0.00
55 TMP Bromoform	0.362	0.383	-5.8	83	0.00
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	78	0.00
57 S 4-Bromofluorobenzene	0.701	0.700	0.1	78	0.00
58 TMP n-Propylbenzene	3.165	2.988	5.6	76	0.00
59 TMP Bromobenzene	0.916	0.902	1.5	77	0.00
60 TMP 1,3,5-Trimethylbenzene	2.336	2.250	3.7	78	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.806	0.770	4.5	74	0.00
62 TMP 1,2,3-Trichloropropane	0.610	0.605	0.8	76	0.00
63 TMP 2-Chlorotoluene	1.890	1.787	5.4	76	0.00
64 TMP 4-Chlorotoluene	2.253	2.113	6.2	75	0.00
65 TMP tert-Butylbenzene	2.062	1.990	3.5	77	0.00
66 TMP 1,2,4-Trimethylbenzene	2.433	2.339	3.9	78	0.00
67 TMP sec-Butylbenzene	2.769	2.681	3.2	78	0.00
68 TMP p-Isopropyltoluene	2.526	2.441	3.4	78	0.00
69 TMP 1,3-Dichlorobenzene	1.624	1.611	0.8	78	0.00
70 TMP 1,4-Dichlorobenzene	1.675	1.590	5.1	76	0.00
71 TMP 1,2-Dichlorobenzene	1.595	1.546	3.1	77	0.00
72 TMP 1,2-Dibromo-3-chloropropane	0.167	0.164	1.8	76	0.00
73 TMP 1,2,4-Trichlorobenzene	1.200	1.130	5.8	75	0.00
74 TMP Hexachlorobutadiene	0.463	0.438	5.4	78	0.00
75 TMP Naphthalene	2.957	2.713	8.3	72	0.00
76 TMP 1,2,3-Trichlorobenzene	1.136	1.029	9.4	71	0.00

(#) = Out of Range

SPCC's out = 1 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS4\11-19-22\
 Data File : 111906.D
 Acq On : 19 Nov 2022 9:47 pm
 Operator : JCM
 Sample : 10 ppb 8260 CCV 67-192N
 Misc : soil
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 19 21:59:54 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I Fluorobenzene	10.000	10.000	0.0	69	0.00
2 TMP Ethanol	-1.000	0.000	0.0	14	0.00
3 S Dibromofluoromethane	10.000	10.195	-2.0	69	0.00
4 TMP Dichlorodifluoromethane	10.000	10.599	-6.0	67	0.00
5 TMP Chloromethane	10.000	10.752	-7.5	71	0.00
6 TMP Vinyl chloride	10.000	11.551	-15.5	74	0.00
7 TMP Bromomethane	10.000	20.595	-105.9#	137	0.00
8 TMP Chloroethane	10.000	12.929	-29.3#	89	0.00
9 TMP Trichlorofluoromethane	10.000	13.162	-31.6#	89	0.00
10 TMP 2-Propanol	-1.000	0.000	0.0	0	0.00
11 TMP Acetone	50.000	75.011	-50.0#	83	0.00
12 TMP 1,1-Dichloroethene	10.000	11.397	-14.0	81	0.00
13 TMP Hexane	10.000	11.670	-16.7	83	0.00
14 TMP Methylene chloride	10.000	12.343	-23.4#	81	0.00
15 TMP t-Butyl alcohol (TBA)	50.000	58.796	-17.6	81	0.00
16 TMP Methyl t-butyl ether (MTBE)	10.000	11.452	-14.5	78	0.00
17 TMP trans-1,2-Dichloroethene	10.000	10.882	-8.8	77	0.00
18 TMP Diisopropyl ether (DIPE)	10.000	11.019	-10.2	78	0.00
19 TMP 1,1-Dichloroethane	10.000	11.490	-14.9	80	0.00
20 TMP Ethyl t-butyl ether (ETBE)	10.000	11.205	-12.1	77	0.00
21 TMP 2,2-Dichloropropane	10.000	13.207	-32.1#	88	0.00
22 TMP cis-1,2-Dichloroethene	10.000	11.385	-13.8	82	0.00
23 TMP Chloroform	10.000	11.472	-14.7	78	0.00
24 TMP 2-Butanone (MEK)	50.000	52.280	-4.6	78	0.00
25 TMP t-Amyl methyl ether (TAME)	10.000	11.073	-10.7	76	0.00
26 TMP 1,2-Dichloroethane (EDC)	10.000	11.607	-16.1	81	0.00
27 TMP 1,1,1-Trichloroethane	10.000	11.381	-13.8	79	0.00
28 TMP 1,1-Dichloropropene	10.000	11.549	-15.5	82	0.00
29 TMP Carbon tetrachloride	10.000	11.801	-18.0	83	0.00
30 S 1,2-Dichloroethane-d4	10.000	9.392	6.1	65	0.00
31 TMP Benzene	10.000	11.629	-16.3	82	0.00
32 TMP Trichloroethene	10.000	11.333	-13.3	82	0.00
33 TMP 1,2-Dichloropropane	10.000	12.012	-20.1#	82	0.00
34 TMP Bromodichloromethane	10.000	11.147	-11.5	80	0.00
35 S Toluene-d8	10.000	10.672	-6.7	73	0.00
36 TMP Dibromomethane	10.000	12.040	-20.4#	82	0.00
37 TMP 4-Methyl-2-pentanone	50.000	56.581	-13.2	80	0.00
38 TMP cis-1,3-Dichloropropene	10.000	11.780	-17.8	82	0.00
39 I Chlorobenzene-d5	10.000	10.000	0.0	79	0.00
40 TMP Toluene	10.000	10.065	-0.6	82	0.00
41 TMP trans-1,3-Dichloropropene	10.000	10.212	-2.1	82	0.00
42 TMP 1,1,2-Trichloroethane	10.000	10.253	-2.5	83	0.00
43 TMP 2-Hexanone	50.000	47.831	4.3	76	0.00

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS4\11-19-22\
 Data File : 111906.D
 Acq On : 19 Nov 2022 9:47 pm
 Operator : JCM
 Sample : 10 ppb 8260 CCV 67-192N
 Misc : soil
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 19 21:59:54 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	10.000	10.026	-0.3	80	0.00
45 TMP Tetrachloroethene	10.000	10.429	-4.3	85	0.00
46 TMP Dibromochloromethane	10.000	10.890	-8.9	85	0.00
47 TMP 1,2-Dibromoethane (EDB)	10.000	10.315	-3.1	82	0.00
48 TMP Chlorobenzene	10.000	10.104	-1.0	80	0.00
49 TMP Ethylbenzene	10.000	10.099	-1.0	81	0.00
50 TMP 1,1,1,2-Tetrachloroethane	10.000	10.036	-0.4	79	0.00
51 TMP m,p-Xylene	20.000	20.158	-0.8	81	0.00
52 TMP o-Xylene	10.000	10.290	-2.9	83	0.00
53 TMP Styrene	10.000	9.810	1.9	77	0.00
54 TMP Isopropylbenzene	10.000	9.659	3.4	77	0.00
55 TMP Bromoform	10.000	11.361	-13.6	85	0.00
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	78	0.00
57 S 4-Bromofluorobenzene	10.000	9.919	0.8	78	0.00
58 TMP n-Propylbenzene	10.000	9.871	1.3	79	0.00
59 TMP Bromobenzene	10.000	10.336	-3.4	80	0.00
60 TMP 1,3,5-Trimethylbenzene	10.000	10.025	-0.3	81	0.00
61 TMP 1,1,2,2-Tetrachloroethane	10.000	10.221	-2.2	79	0.00
62 TMP 1,2,3-Trichloropropane	10.000	10.326	-3.3	79	0.00
63 TMP 2-Chlorotoluene	10.000	10.012	-0.1	80	0.00
64 TMP 4-Chlorotoluene	10.000	9.951	0.5	79	0.00
65 TMP tert-Butylbenzene	10.000	10.225	-2.2	81	0.00
66 TMP 1,2,4-Trimethylbenzene	10.000	10.066	-0.7	81	0.00
67 TMP sec-Butylbenzene	10.000	10.084	-0.8	81	0.00
68 TMP p-Isopropyltoluene	10.000	10.052	-0.5	81	0.00
69 TMP 1,3-Dichlorobenzene	10.000	10.273	-2.7	81	0.00
70 TMP 1,4-Dichlorobenzene	10.000	9.927	0.7	79	0.00
71 TMP 1,2-Dichlorobenzene	10.000	9.940	0.6	79	0.00
72 TMP 1,2-Dibromo-3-chloropropane	10.000	10.341	-3.4	80	0.00
73 TMP 1,2,4-Trichlorobenzene	10.000	9.384	6.2	75	0.00
74 TMP Hexachlorobutadiene	10.000	9.518	4.8	78	0.00
75 TMP Naphthalene	10.000	9.404	6.0	73	0.00
76 TMP 1,2,3-Trichlorobenzene	10.000	9.028	9.7	70	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS4\11-19-22\
 Data File : 111906.D
 Acq On : 19 Nov 2022 9:47 pm
 Operator : JCM
 Sample : 10 ppb 8260 CCV 67-192N
 Misc : soil
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 19 21:59:54 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I Fluorobenzene	1.000	1.000	0.0	69	0.00
2 TMP Ethanol	0.000	0.000#	0.0	14#	0.00
3 S Dibromofluoromethane	0.275	0.280	-1.8	69	0.00
4 TMP Dichlorodifluoromethane	0.410	0.434	-5.9	67	0.00
5 TMP Chloromethane	0.380	0.408	-7.4	71	0.00
6 TMP Vinyl chloride	0.360	0.416	-15.6	74	0.00
7 TMP Bromomethane	0.168	0.345	-105.4#	137	0.00
8 TMP Chloroethane	0.189	0.244	-29.1#	89	0.00
9 TMP Trichlorofluoromethane	0.562	0.739	-31.5#	89	0.00
10 TMP 2-Propanol	0.000	0.000	0.0	0#	0.00
11 TMP Acetone	0.037	0.040	-8.1	83	0.00
12 TMP 1,1-Dichloroethene	0.333	0.380	-14.1	81	0.00
13 TMP Hexane	0.348	0.407	-17.0	83	0.00
14 TMP Methylene chloride	0.369	0.437	-18.4	81	0.00
15 TMP t-Butyl alcohol (TBA)	0.051	0.060	-17.6	81	0.00
16 TMP Methyl t-butyl ether (MTBE)	0.971	1.113	-14.6	78	0.00
17 TMP trans-1,2-Dichloroethene	0.353	0.384	-8.8	77	0.00
18 TMP Diisopropyl ether (DIPE)	0.889	0.979	-10.1	78	0.00
19 TMP 1,1-Dichloroethane	0.536	0.616	-14.9	80	0.00
20 TMP Ethyl t-butyl ether (ETBE)	0.425	0.476	-12.0	77	0.00
21 TMP 2,2-Dichloropropane	0.352	0.454	-29.0#	88	0.00
22 TMP cis-1,2-Dichloroethene	0.382	0.435	-13.9	82	0.00
23 TMP Chloroform	0.583	0.666	-14.2	78	0.00
24 TMP 2-Butanone (MEK)	0.186	0.195	-4.8	78	0.00
25 TMP t-Amyl methyl ether (TAME)	0.964	1.067	-10.7	76	0.00
26 TMP 1,2-Dichloroethane (EDC)	0.438	0.509	-16.2	81	0.00
27 TMP 1,1,1-Trichloroethane	0.532	0.606	-13.9	79	0.00
28 TMP 1,1-Dichloropropene	0.448	0.518	-15.6	82	0.00
29 TMP Carbon tetrachloride	0.479	0.566	-18.2	83	0.00
30 S 1,2-Dichloroethane-d4	0.063	0.060	4.8	65	0.00
31 TMP Benzene	1.286	1.495	-16.3	82	0.00
32 TMP Trichloroethene	0.373	0.423	-13.4	82	0.00
33 TMP 1,2-Dichloropropane	0.284	0.342	-20.4#	82	0.00
34 TMP Bromodichloromethane	0.432	0.481	-11.3	80	0.00
35 S Toluene-d8	1.002	1.069	-6.7	73	0.00
36 TMP Dibromomethane	0.216	0.260	-20.4#	82	0.00
37 TMP 4-Methyl-2-pentanone	0.077	0.087	-13.0	80	0.00
38 TMP cis-1,3-Dichloropropene	0.504	0.594	-17.9	82	0.00
39 I Chlorobenzene-d5	1.000	1.000	0.0	79	0.00
40 TMP Toluene	0.968	0.974	-0.6	82	0.00
41 TMP trans-1,3-Dichloropropene	0.553	0.565	-2.2	82	0.00
42 TMP 1,1,2-Trichloroethane	0.293	0.301	-2.7	83	0.00
43 TMP 2-Hexanone	0.320	0.307	4.1	76	0.00

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS4\11-19-22\
 Data File : 111906.D
 Acq On : 19 Nov 2022 9:47 pm
 Operator : JCM
 Sample : 10 ppb 8260 CCV 67-192N
 Misc : soil
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 19 21:59:54 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.560	0.562	-0.4	80	0.00
45 TMP Tetrachloroethene	0.431	0.449	-4.2	85	0.00
46 TMP Dibromochloromethane	0.429	0.460	-7.2	85	0.00
47 TMP 1,2-Dibromoethane (EDB)	0.398	0.411	-3.3	82	0.00
48 TMP Chlorobenzene	1.148	1.160	-1.0	80	0.00
49 TMP Ethylbenzene	1.845	1.864	-1.0	81	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.426	0.427	-0.2	79	0.00
51 TMP m,p-Xylene	0.746	0.752	-0.8	81	0.00
52 TMP o-Xylene	0.741	0.763	-3.0	83	0.00
53 TMP Styrene	1.258	1.234	1.9	77	0.00
54 TMP Isopropylbenzene	1.878	1.814	3.4	77	0.00
55 TMP Bromoform	0.362	0.390	-7.7	85	0.00
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	78	0.00
57 S 4-Bromofluorobenzene	0.701	0.696	0.7	78	0.00
58 TMP n-Propylbenzene	3.165	3.125	1.3	79	0.00
59 TMP Bromobenzene	0.916	0.947	-3.4	80	0.00
60 TMP 1,3,5-Trimethylbenzene	2.336	2.342	-0.3	81	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.806	0.824	-2.2	79	0.00
62 TMP 1,2,3-Trichloropropane	0.610	0.630	-3.3	79	0.00
63 TMP 2-Chlorotoluene	1.890	1.892	-0.1	80	0.00
64 TMP 4-Chlorotoluene	2.253	2.242	0.5	79	0.00
65 TMP tert-Butylbenzene	2.062	2.109	-2.3	81	0.00
66 TMP 1,2,4-Trimethylbenzene	2.433	2.449	-0.7	81	0.00
67 TMP sec-Butylbenzene	2.769	2.792	-0.8	81	0.00
68 TMP p-Isopropyltoluene	2.526	2.539	-0.5	81	0.00
69 TMP 1,3-Dichlorobenzene	1.624	1.668	-2.7	81	0.00
70 TMP 1,4-Dichlorobenzene	1.675	1.663	0.7	79	0.00
71 TMP 1,2-Dichlorobenzene	1.595	1.585	0.6	79	0.00
72 TMP 1,2-Dibromo-3-chloropropane	0.167	0.173	-3.6	80	0.00
73 TMP 1,2,4-Trichlorobenzene	1.200	1.126	6.2	75	0.00
74 TMP Hexachlorobutadiene	0.463	0.440	5.0	78	0.00
75 TMP Naphthalene	2.957	2.781	6.0	73	0.00
76 TMP 1,2,3-Trichlorobenzene	1.136	1.026	9.7	70	0.00

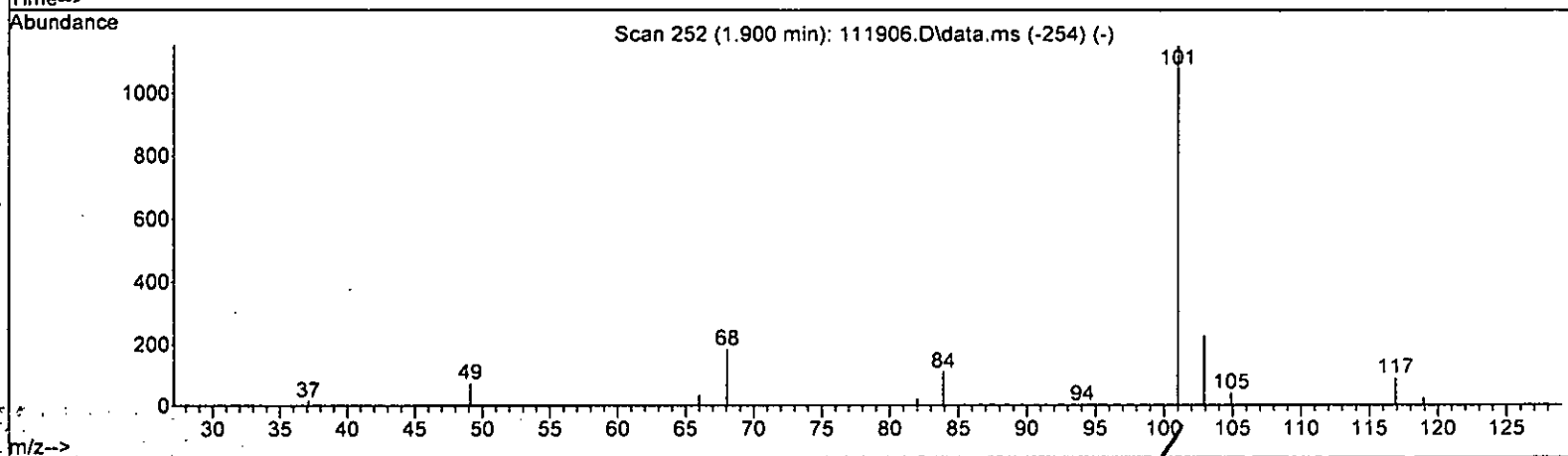
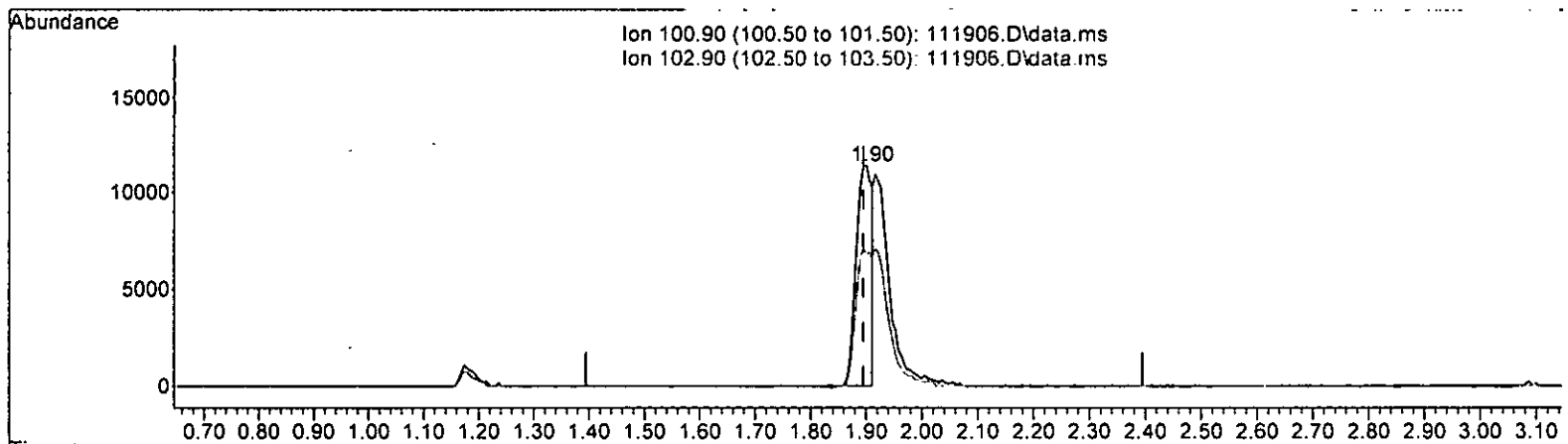
(#) = Out of Range

SPCC's out = 1 CCC's out = 0

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS4\11-19-22\
 Data File : 111906.D
 Acq On : 19 Nov 2022 9:47 pm
 Operator : JCM
 Sample : 10 ppb 8260 CCV 67-192N
 Misc : soil
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 19 21:59:54 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



TIC: 111906.D\data.ms

um 11.22.22

(9) Trichlorofluoromethane (TMP)

1.900min (+ 0.005) 6.603 ppb

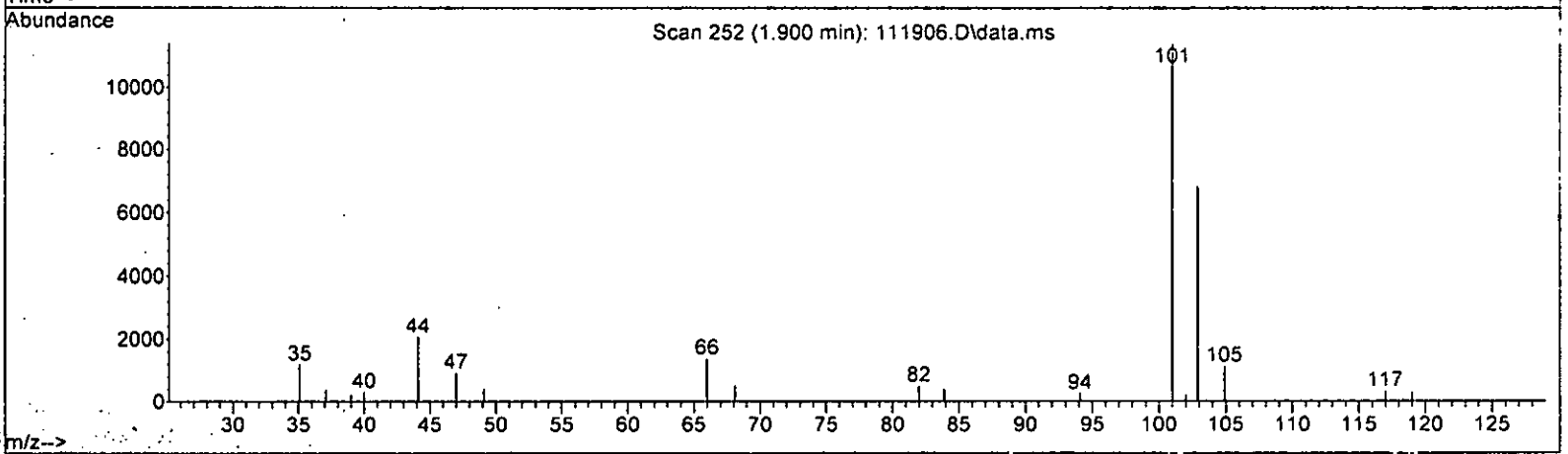
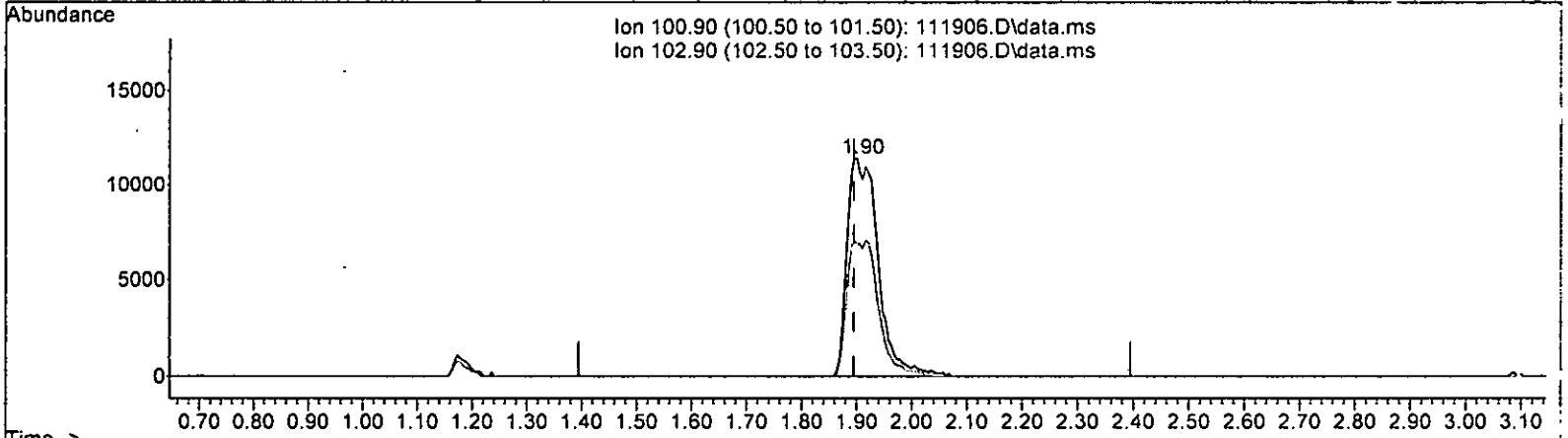
response 22160

Ion	Exp%	Act%
100.90	100.00	100.00
102.90	61.00	59.50
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS4\11-19-22\
 Data File : 111906.D
 Acq On : 19 Nov 2022 9:47 pm
 Operator : JCM
 Sample : 10 ppb 8260 CCV 67-192N
 Misc : soil
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 19 21:59:54 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



TIC: 111906.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.900min (+ 0.005) 13.162 ppb m

response 44175

Ion	Exp%	Act%
100.90	100.00	100.00
102.90	61.00	59.50
0.00	0.00	0.00
0.00	0.00	0.00

m' 11.22.22

Data Path : Y:\Proc_GCMS4\11-19-22\
 Data File : 111906.D
 Acq On : 19 Nov 2022 9:47 pm
 Operator : JCM
 Sample : 10 ppb 8260 CCV 67-192N
 Misc : soil
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 19 21:59:54 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	4.78	96	59752	10.000	ppb	0.00	
39) Chlorobenzene-d5	7.43	117	57544	10.000	ppb	0.00	
56) 1,4-Dichlorobenzene-d4	9.65	152	37925	10.000	ppb	0.00	
System Monitoring Compounds							
3) Dibromofluoromethane	4.21	113	16746	10.195	ppb	0.00	
Spiked Amount	10.000	Range	0 - 1000	Recovery	=	101.90%	
30) 1,2-Dichloroethane-d4	4.49	102	3563	9.392	ppb	0.00	
Spiked Amount	10.000	Range	90 - 109	Recovery	=	93.90%	
35) Toluene-d8	6.14	98	63881	10.672	ppb	0.00	
Spiked Amount	10.000	Range	89 - 112	Recovery	=	106.70%	
57) 4-Bromofluorobenzene	8.54	95	26381	9.919	ppb	0.00	
Spiked Amount	10.000	Range	84 - 115	Recovery	=	99.20%	
Target Compounds							
							Qvalue
2) Ethanol	1.07	45	509	No Calib	#		
4) Dichlorodifluoromethane	1.17	85	25942	10.599	ppb		99
5) Chloromethane	1.31	50	24398	10.752	ppb		96
6) Vinyl chloride	1.40	62	24866	11.551	ppb		98
7) Bromomethane	1.62	94	20615	20.595	ppb		98
8) Chloroethane	1.70	64	14597	12.929	ppb		99
9) Trichlorofluoromethane	1.90	101	44175m	13.162	ppb		
10) 2-Propanol	2.98	45	3086	No Calib			
11) Acetone	2.39	58	11895	75.011	ppb		90
12) 1,1-Dichloroethene	2.32	96	22703	11.397	ppb		83
13) Hexane	3.21	57	24300	11.670	ppb		93
14) Methylene chloride	2.73	84	26093	12.343	ppb		87
15) t-Butyl alcohol (TBA)	2.86	59	18000	58.796	ppb		90
16) Methyl t-butyl ether (...)	2.98	73	66476	11.452	ppb		96
17) trans-1,2-Dichloroethene	2.97	96	22945	10.882	ppb	#	83
18) Diisopropyl ether (DIPE)	3.40	45	58501	11.019	ppb		94
19) 1,1-Dichloroethane	3.32	63	36784	11.490	ppb		99
20) Ethyl t-butyl ether (E...)	3.70	87	28454	11.205	ppb	#	81
21) 2,2-Dichloropropane	3.81	77	27120	13.207	ppb		96
22) cis-1,2-Dichloroethene	3.81	96	25987	11.385	ppb	#	80
23) Chloroform	4.08	83	39793	11.472	ppb		100
24) 2-Butanone (MEK)	3.83	43	58135	52.280	ppb		93
25) t-Amyl methyl ether (T...)	4.65	73	63755	11.073	ppb		97
26) 1,2-Dichloroethane (EDC)	4.55	62	30389	11.607	ppb		97
27) 1,1,1-Trichloroethane	4.23	97	36204	11.381	ppb		94
28) 1,1-Dichloropropene	4.37	75	30924	11.549	ppb		91
29) Carbon tetrachloride	4.37	117	33794	11.801	ppb		95
31) Benzene	4.54	78	89334	11.629	ppb		93
32) Trichloroethene	5.09	95	25251	11.333	ppb		81
33) 1,2-Dichloropropane	5.27	63	20414	12.012	ppb		97
34) Bromodichloromethane	5.51	83	28753	11.147	ppb		93
36) Dibromomethane	5.37	93	15520	12.040	ppb	#	79

Data Path : Y:\Proc_GCMS4\11-19-22\
 Data File : 111906.D
 Acq On : 19 Nov 2022 9:47 pm
 Operator : JCM
 Sample : 10 ppb 8260 CCV 67-192N
 Misc : soil
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS4

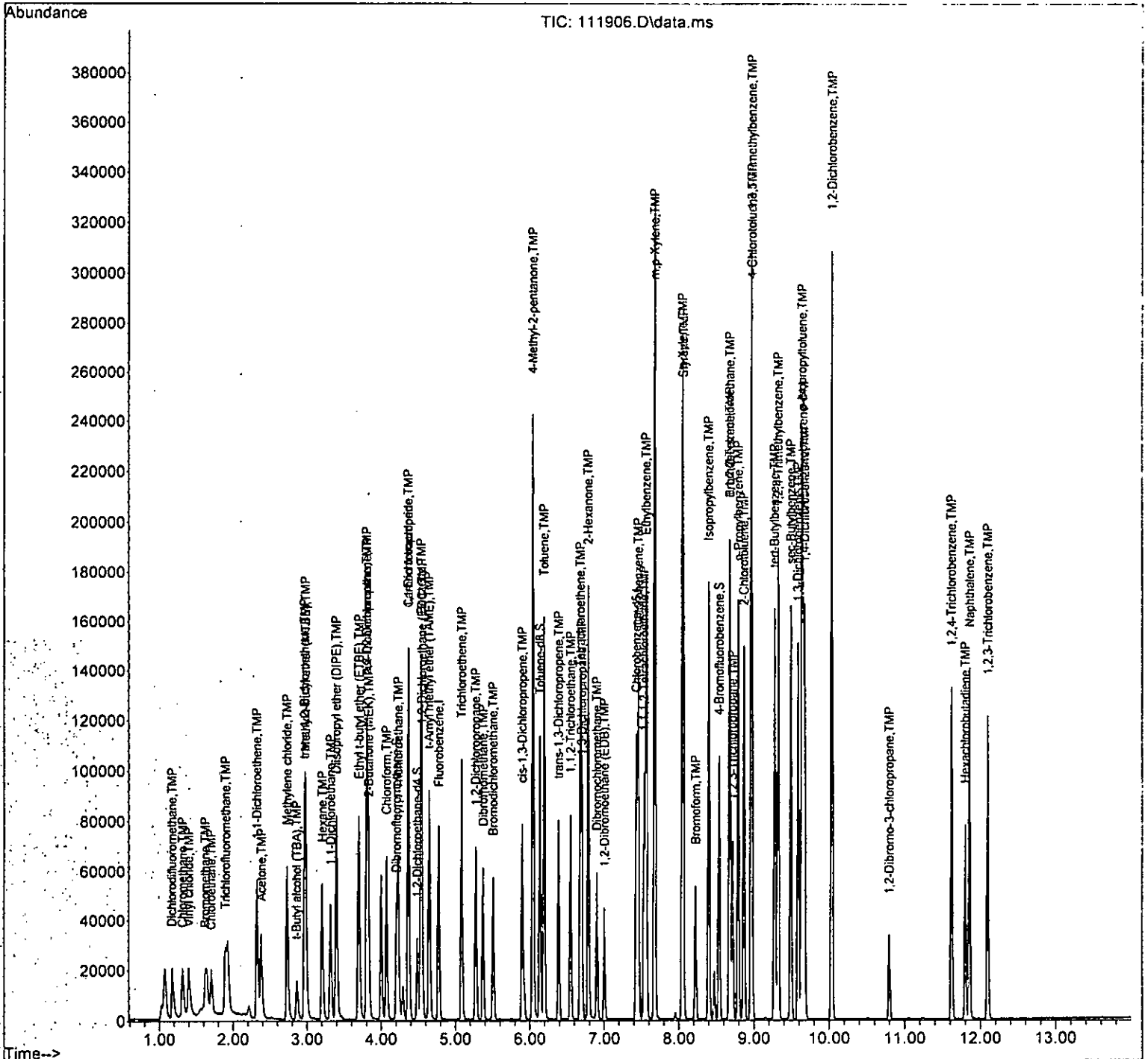
Quant Time: Nov 19 21:59:54 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	6.04	85	25996	56.581	ppb	# 78
38) cis-1,3-Dichloropropene	5.90	75	35490	11.780	ppb	92
40) Toluene	6.19	92	56050	10.065	ppb	99
41) trans-1,3-Dichloropropene	6.39	75	32491	10.212	ppb	92
42) 1,1,2-Trichloroethane	6.55	83	17292	10.253	ppb	89
43) 2-Hexanone	6.79	43	88194	47.831	ppb	97
44) 1,3-Dichloropropane	6.70	76	32320	10.026	ppb	97
45) Tetrachloroethene	6.68	164	25857	10.429	ppb	98
46) Dibromochloromethane	6.90	129	26460	10.890	ppb	99
47) 1,2-Dibromoethane (EDB)	7.00	107	23636	10.315	ppb	100
48) Chlorobenzene	7.46	112	66751	10.104	ppb	88
49) Ethylbenzene	7.56	91	107234	10.099	ppb	92
50) 1,1,1,2-Tetrachloroethane	7.54	131	24576	10.036	ppb	94
51) m,p-Xylene	7.67	106	86526	20.158	ppb	89
52) o-Xylene	8.05	106	43889	10.290	ppb	85
53) Styrene	8.06	104	71012	9.810	ppb	88
54) Isopropylbenzene	8.40	105	104381	9.659	ppb	92
55) Bromoform	8.22	173	22423	11.361	ppb	98
58) n-Propylbenzene	8.79	91	118497	9.871	ppb	91
59) Bromobenzene	8.68	156	35900	10.336	ppb	# 79
60) 1,3,5-Trimethylbenzene	8.97	105	88821	10.025	ppb	86
61) 1,1,2,2-Tetrachloroethane	8.68	83	31247	10.221	ppb	96
62) 1,2,3-Trichloropropane	8.72	75	23906	10.326	ppb	97
63) 2-Chlorotoluene	8.87	91	71744	10.012	ppb	87
64) 4-Chlorotoluene	8.97	91	85032	9.951	ppb	84
65) tert-Butylbenzene	9.27	119	79978	10.225	ppb	86
66) 1,2,4-Trimethylbenzene	9.32	105	92884	10.066	ppb	94
67) sec-Butylbenzene	9.49	105	105896	10.084	ppb	94
68) p-Isopropyltoluene	9.64	119	96283	10.052	ppb	91
69) 1,3-Dichlorobenzene	9.58	146	63277	10.273	ppb	94
70) 1,4-Dichlorobenzene	9.67	146	63073	9.927	ppb	93
71) 1,2-Dichlorobenzene	10.03	146	60126	9.940	ppb	95
72) 1,2-Dibromo-3-chloropr...	10.80	75	6554	10.341	ppb	# 60
73) 1,2,4-Trichlorobenzene	11.62	180	42717	9.384	ppb	98
74) Hexachlorobutadiene	11.80	225	16701	9.518	ppb	95
75) Naphthalene	11.86	128	105454	9.404	ppb	99
76) 1,2,3-Trichlorobenzene	12.10	180	38897	9.028	ppb	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS4\11-19-22\
 Data File : 111906.D
 Acq On : 19 Nov 2022 9:47 pm
 Operator : JCM
 Sample : 10 ppb 8260 CCV 67-192N
 Misc : soil
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 19 21:59:54 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 Qlast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



Data Path : Y:\Proc_GCMS11\11-19-22\
 Data File : 111904.D
 Acq On : 19 Nov 2022 09:44 pm
 Operator : JCM
 Sample : 10 ppb 8260 CCV 67-192N
 Misc : soil/water
 ALS Vial : 1 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 19 21:56:29 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 14:08:49 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	4.63	96	42230	10.000	ppb	0.00
39) Chlorobenzene-d5	7.27	117	35612	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	20708	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.08	113	10788	9.022	ppb	0.00
Spiked Amount	10.000	Range	50 - 150	Recovery	=	90.20%
30) 1,2-Dichloroethane-d4	4.36	102	2481	9.324	ppb	0.00
Spiked Amount	10.000	Range	79 - 128	Recovery	=	93.20%
35) Toluene-d8	5.98	98	37694	10.055	ppb	0.00
Spiked Amount	10.000	Range	84 - 121	Recovery	=	100.60%
57) 4-Bromofluorobenzene	8.38	95	16140	10.422	ppb	0.00
Spiked Amount	10.000	Range	84 - 116	Recovery	=	104.20%
Target Compounds						
2) Ethanol	0.00		0	N.D.		
4) Dichlorodifluoromethane	1.09	85	33396	10.253	ppb	97
5) Chloromethane	1.23	50	31594	7.984	ppb	96
6] Vinyl chloride	1.30	62	28322	8.003	ppb	100
7) Bromomethane	1.54	94	20479	9.887	ppb	89
8] Chloroethane	1.60	64	14204	7.999	ppb	97
9) Trichlorofluoromethane	1.77	101	39388	10.245	ppb	88
10) 2-Propanol	2.41	45	224	No Calib		
11) Acetone	2.26	58	6367	32.742	ppb #	83
12] 1,1-Dichloroethene	2.19	96	12978	11.725	ppb	98
13) Hexane	3.05	57	17683	10.265	ppb	92
14) Methylene chloride	2.61	84	15409	10.864	ppb	89
15) t-Butyl alcohol (TBA)	2.73	59	8310	58.024	ppb	93
16] Methyl t-butyl ether (...)	2.84	73	30617	10.388	ppb	100
17] trans-1,2-Dichloroethene	2.83	96	12441	9.942	ppb	97
18) Diisopropyl ether (DIPE)	3.24	45	28877	7.936	ppb	93
19] 1,1-Dichloroethane	3.18	63	22565	10.147	ppb	98
20) Ethyl t-butyl ether (E...)	3.55	87	12215	9.973	ppb	93
21) 2,2-Dichloropropane	3.67	77	13201	8.771	ppb	93
22] cis-1,2-Dichloroethene	3.67	96	12614	9.467	ppb	95
23) Chloroform	3.94	83	18516	8.831	ppb	96
24) 2-Butanone (MEK)	3.70	43	23176	32.207	ppb	94
25) t-Amyl methyl ether (T...)	4.49	73	26893	9.467	ppb	98
26] 1,2-Dichloroethane (EDC)	4.41	62	13929	8.799	ppb	98
27] 1,1,1-Trichloroethane	4.08	97	17214	9.521	ppb	97
28) 1,1-Dichloropropene	4.22	75	14350	9.807	ppb	95
29) Carbon tetrachloride	4.21	117	15704	9.995	ppb	100
31] Benzene	4.39	78	42118	9.842	ppb	99
32] Trichloroethene	4.93	95	12348	9.402	ppb	93
33] 1,2-Dichloropropane	5.13	63	10552	9.382	ppb	98
34) Bromodichloromethane	5.37	83	14014	10.398	ppb	90
36) Dibromomethane	5.23	93	6846	9.991	ppb	93

Data Path : Y:\Proc_GCMS11\11-19-22\
 Data File : 111904.D
 Acq On : 19 Nov 2022 09:44 pm
 Operator : JCM
 Sample : 10 ppb 8260 CCV 67-192N
 Misc : soil/water
 ALS Vial : 1 Sample Multiplier: 1
 InstName : GCMS11

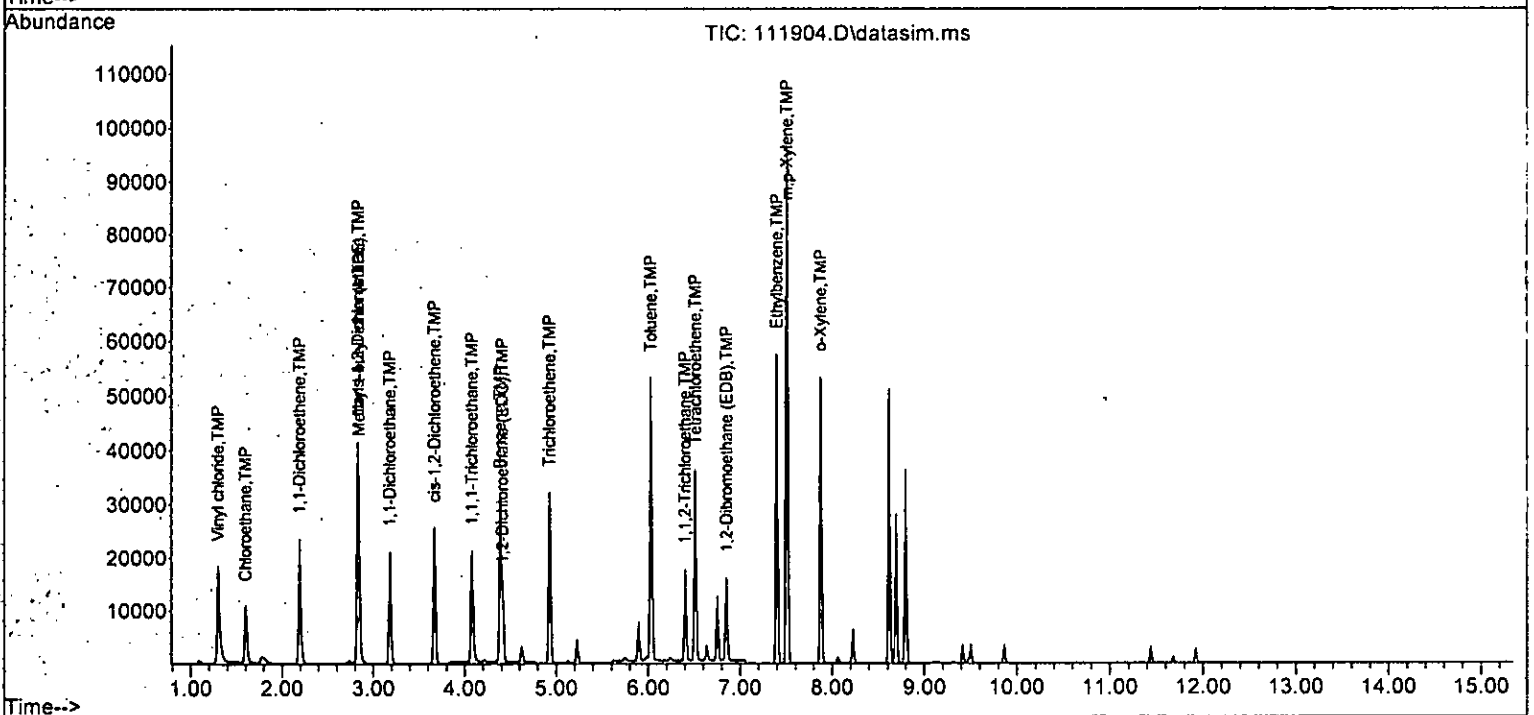
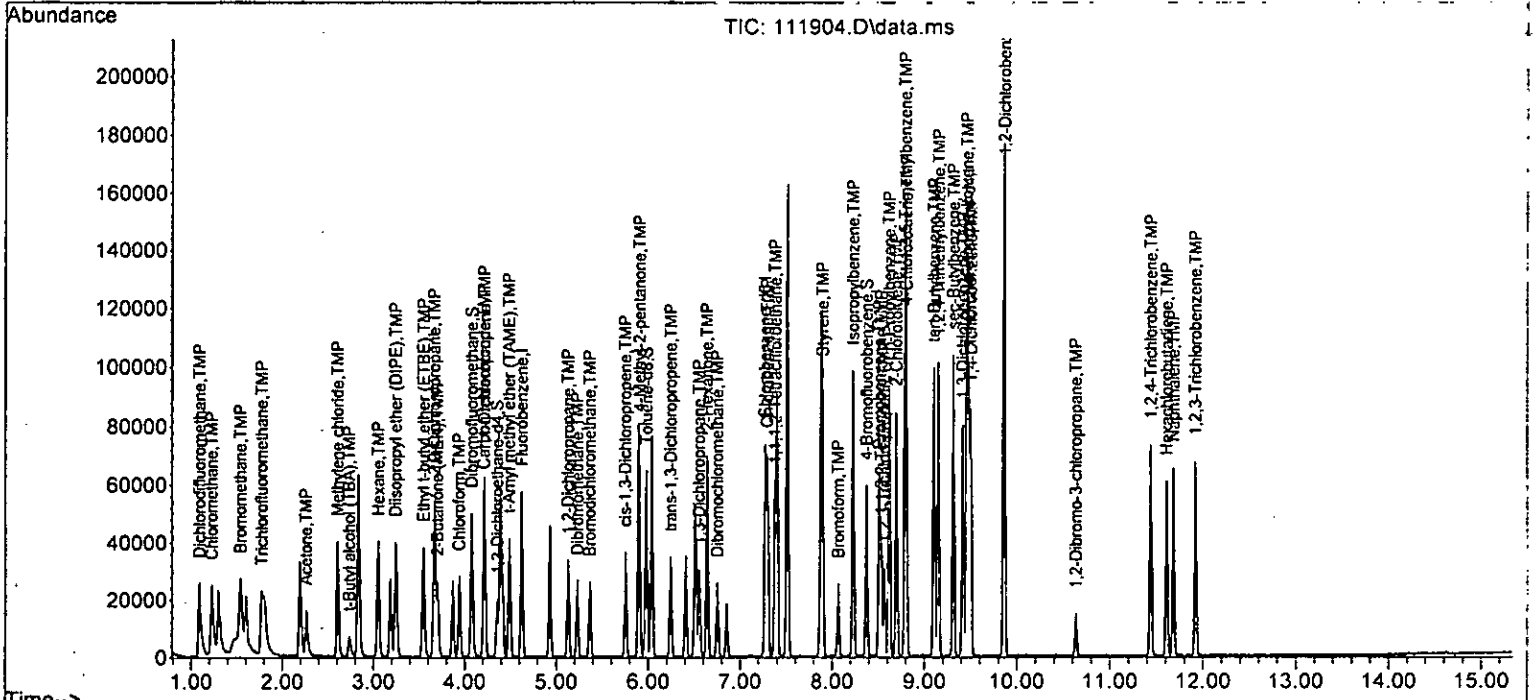
Quant Time: Nov 19 21:56:29 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 14:08:49 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	5.91	85	9762	51.013	ppb	87
38) cis-1,3-Dichloropropene	5.75	75	16755	10.912	ppb	91
40] Toluene	6.03	92	27423	8.862	ppb	93
41) trans-1,3-Dichloropropene	6.25	75	14797	10.248	ppb	90
42] 1,1,2-Trichloroethane	6.40	83	8287	9.853	ppb	86
43) 2-Hexanone	6.64	43	34793	36.457	ppb	89
44) 1,3-Dichloropropane	6.55	76	14538	9.497	ppb	100
45] Tetrachloroethene	6.51	164	12179	9.873	ppb	94
46) Dibromochloromethane	6.75	129	12382	10.105	ppb	98
47] 1,2-Dibromoethane (EDB)	6.85	107	10855	9.621	ppb	95
48) Chlorobenzene	7.30	112	33600	10.232	ppb	98
49] Ethylbenzene	7.40	91	57567	10.072	ppb	94
50) 1,1,1,2-Tetrachloroethane	7.38	131	13441	10.610	ppb	97
51] m,p-Xylene	7.51	106	45498	20.404	ppb	85
52] o-Xylene	7.88	106	23828	10.753	ppb	85
53) Styrene	7.90	104	36869	11.418	ppb	91
54) Isopropylbenzene	8.23	105	57125	10.276	ppb	97
55) Bromoform	8.07	173	10333	11.257	ppb	99
58) n-Propylbenzene	8.62	91	65384	10.430	ppb	98
59) Bromobenzene	8.51	156	16772	10.941	ppb	99
60) 1,3,5-Trimethylbenzene	8.79	105	49626	10.776	ppb	97
61) 1,1,2,2-Tetrachloroethane	8.53	83	15482	10.427	ppb	100
62) 1,2,3-Trichloropropane	8.56	75	11113	9.767	ppb	91
63) 2-Chlorotoluene	8.70	91	39874	10.533	ppb	99
64) 4-Chlorotoluene	8.81	91	44922	10.877	ppb	97
65) tert-Butylbenzene	9.10	119	44840	11.089	ppb	99
66) 1,2,4-Trimethylbenzene	9.15	105	51140	10.978	ppb	96
67) sec-Butylbenzene	9.31	105	64517	10.775	ppb	99
68) p-Isopropyltoluene	9.46	119	57387	11.077	ppb	96
69) 1,3-Dichlorobenzene	9.42	146	31260	10.527	ppb	98
70) 1,4-Dichlorobenzene	9.50	146	30651	10.351	ppb	97
71) 1,2-Dichlorobenzene	9.86	146	30577	10.337	ppb	95
72) 1,2-Dibromo-3-chloropr...	10.63	75	2996	9.953	ppb	98
73) 1,2,4-Trichlorobenzene	11.44	180	22385	10.170	ppb	94
74) Hexachlorobutadiene	11.61	225	12938	10.029	ppb	96
75) Naphthalene	11.68	128	46178	9.440	ppb	99
76) 1,2,3-Trichlorobenzene	11.92	180	20228	9.896	ppb	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS11\11-19-22\
 Data File : 111904.D
 Acq On : 19 Nov 2022 09:44 pm
 Operator : JCM
 Sample : 10 ppb 8260 CCV 67-192N
 Misc : soil/water
 ALS Vial : 1 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 19 21:56:29 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 14:08:49 2022
 Response via : Initial Calibration
 DataAcq Meth: VM080522.M



Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\11-19-22\
 Data File : 111904.D
 Acq On : 19 Nov 2022 09:44 pm
 Operator : JCM
 Sample : 10 ppb 8260 CCV 67-192N
 Misc : soil/water
 ALS Vial : 1 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 19 21:56:29 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 14:08:49 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	10.000	10.000	0.0	72	0.00
2 TMP	Ethanol	-1.000	0.000	0.0	0	-1.86#
3 S	Dibromofluoromethane	10.000	9.022	9.8	66	0.00
4 TMP	Dichlorodifluoromethane	10.000	10.253	-2.5	72	0.00
5 TMP	Chloromethane	10.000	7.984	20.2#	60	0.00
6 TMP	Vinyl chloride	10.000	8.003	20.0	58	0.00
7 TMP	Bromomethane	10.000	9.887	1.1	73	0.02
8 TMP	Chloroethane	10.000	7.999	20.0#	57	0.00
9 TMP	Trichlorofluoromethane	10.000	10.245	-2.4	75	0.00
10 TMP	2-Propanol	-1.000	0.000	0.0	0	-0.02
11 TMP	Acetone	50.000	32.742	34.5#	48	0.00
12 TMP	1,1-Dichloroethene	10.000	11.725	-17.2	86	0.00
13 TMP	Hexane	10.000	10.265	-2.7	74	0.00
14 TMP	Methylene chloride	10.000	10.864	-8.6	80	0.00
15 TMP	t-Butyl alcohol (TBA)	50.000	58.024	-16.0	87	0.00
16 TMP	Methyl t-butyl ether (MTBE)	10.000	10.388	-3.9	73	0.00
17 TMP	trans-1,2-Dichloroethene	10.000	9.942	0.6	73	0.00
18 TMP	Diisopropyl ether (DIPE)	10.000	7.936	20.6#	53	0.00
19 TMP	1,1-Dichloroethane	10.000	10.147	-1.5	72	0.00
20 TMP	Ethyl t-butyl ether (ETBE)	10.000	9.973	0.3	73	0.00
21 TMP	2,2-Dichloropropane	10.000	8.771	12.3	66	0.00
22 TMP	cis-1,2-Dichloroethene	10.000	9.467	5.3	68	0.00
23 TMP	Chloroform	10.000	8.831	11.7	67	0.00
24 TMP	2-Butanone (MEK)	50.000	32.207	35.6#	46	0.00
25 TMP	t-Amyl methyl ether (TAME)	10.000	9.467	5.3	69	0.00
26 TMP	1,2-Dichloroethane (EDC)	10.000	8.799	12.0	65	0.00
27 TMP	1,1,1-Trichloroethane	10.000	9.521	4.8	69	0.00
28 TMP	1,1-Dichloropropene	10.000	9.807	1.9	72	0.00
29 TMP	Carbon tetrachloride	10.000	9.995	0.1	73	0.00
30 S	1,2-Dichloroethane-d4	10.000	9.324	6.8	66	0.00
31 TMP	Benzene	10.000	9.842	1.6	69	0.00
32 TMP	Trichloroethene	10.000	9.402	6.0	71	0.00
33 TMP	1,2-Dichloropropane	10.000	9.382	6.2	66	0.00
34 TMP	Bromodichloromethane	10.000	10.398	-4.0	76	0.00
35 S	Toluene-d8	10.000	10.055	-0.5	71	0.00
36 TMP	Dibromomethane	10.000	9.991	0.1	70	0.00
37 TMP	4-Methyl-2-pentanone	50.000	51.013	-2.0	73	0.00
38 TMP	cis-1,3-Dichloropropene	10.000	10.912	-9.1	83	0.00
39 I	Chlorobenzene-d5	10.000	10.000	0.0	82	0.00
40 TMP	Toluene	10.000	8.862	11.4	74	0.00
41 TMP	trans-1,3-Dichloropropene	10.000	10.248	-2.5	83	0.00
42 TMP	1,1,2-Trichloroethane	10.000	9.853	1.5	75	0.00
43 TMP	2-Hexanone	50.000	36.457	27.1#	56	0.00

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\11-19-22\
 Data File : 111904.D
 Acq On : 19 Nov 2022 09:44 pm
 Operator : JCM
 Sample : 10 ppb 8260 CCV 67-192N
 Misc : soil/water
 ALS Vial : 1 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 19 21:56:29 2022
 Quant Method : D:\Methods\Inst11\VB110322ms11.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 14:08:49 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	10.000	9.497	5.0	75	0.00
45 TMP Tetrachloroethene	10.000	9.873	1.3	78	0.00
46 TMP Dibromochloromethane	10.000	10.105	-1.1	84	0.00
47 TMP 1,2-Dibromoethane (EDB)	10.000	9.621	3.8	79	0.00
48 TMP Chlorobenzene	10.000	10.232	-2.3	83	0.00
49 TMP Ethylbenzene	10.000	10.072	-0.7	85	0.00
50 TMP 1,1,1,2-Tetrachloroethane	10.000	10.610	-6.1	89	0.00
51 TMP m,p-Xylene	20.000	20.404	-2.0	86	0.00
52 TMP o-Xylene	10.000	10.753	-7.5	91	0.00
53 TMP Styrene	10.000	11.418	-14.2	93	0.00
54 TMP Isopropylbenzene	10.000	10.276	-2.8	85	0.00
55 TMP Bromoform	10.000	11.257	-12.6	97	0.00
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	83	0.00
57 S 4-Bromofluorobenzene	10.000	10.422	-4.2	87	0.00
58 TMP n-Propylbenzene	10.000	10.430	-4.3	84	0.00
59 TMP Bromobenzene	10.000	10.941	-9.4	89	0.00
60 TMP 1,3,5-Trimethylbenzene	10.000	10.776	-7.8	88	0.00
61 TMP 1,1,2,2-Tetrachloroethane	10.000	10.427	-4.3	87	0.00
62 TMP 1,2,3-Trichloropropane	10.000	9.767	2.3	81	0.00
63 TMP 2-Chlorotoluene	10.000	10.533	-5.3	86	0.00
64 TMP 4-Chlorotoluene	10.000	10.877	-8.8	85	0.00
65 TMP tert-Butylbenzene	10.000	11.089	-10.9	91	0.00
66 TMP 1,2,4-Trimethylbenzene	10.000	10.978	-9.8	91	0.00
67 TMP sec-Butylbenzene	10.000	10.775	-7.8	87	0.00
68 TMP p-Isopropyltoluene	10.000	11.077	-10.8	92	0.00
69 TMP 1,3-Dichlorobenzene	10.000	10.527	-5.3	86	0.00
70 TMP 1,4-Dichlorobenzene	10.000	10.351	-3.5	86	0.00
71 TMP 1,2-Dichlorobenzene	10.000	10.337	-3.4	86	0.00
72 TMP 1,2-Dibromo-3-chloropropane	10.000	9.953	0.5	85	0.00
73 TMP 1,2,4-Trichlorobenzene	10.000	10.170	-1.7	88	0.00
74 TMP Hexachlorobutadiene	10.000	10.029	-0.3	88	0.00
75 TMP Naphthalene	10.000	9.440	5.6	82	0.00
76 TMP 1,2,3-Trichlorobenzene	10.000	9.896	1.0	84	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111803.D
 Acq On : 18 Nov 2022 06:14 am
 Operator : LM
 Sample : 10 ppb 8260 CCV 67-86N
 Misc : soil/water
 ALS Vial : 1 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 18 08:13:50 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	10.000	10.000	0.0	93	0.00
2 TMP	Ethanol	-1.000	0.000	0.0	0	-0.01
3 S	Dibromofluoromethane	10.000	10.664	-6.6	99	0.00
4 TMP	Dichlorodifluoromethane	10.000	8.431	15.7	79	0.00
5 TMP	Chloromethane	10.000	8.077	19.2	73	0.00
6 TMP	Vinyl chloride	10.000	8.585	14.1	81	0.00
7 TMP	Bromomethane	10.000	11.632	-16.3	95	0.02
8 TMP	Chloroethane	10.000	10.076	-0.8	90	0.00
9 TMP	Trichlorofluoromethane	10.000	9.622	3.8	92	0.04
10 TMP	2-Propanol	-1.000	0.000	0.0	0	-0.01
11 TMP	Acetone	50.000	52.609	-5.2	89	0.00
12 TMP	1,1-Dichloroethene	10.000	9.402	6.0	88	0.00
13 TMP	Hexane	10.000	8.579	14.2	79	0.00
14 TMP	Methylene chloride	10.000	9.045	9.6	84	0.01
15 TMP	t-Butyl alcohol (TBA)	50.000	50.098	-0.2	91	0.00
16 TMP	Methyl t-butyl ether (MTBE)	10.000	10.759	-7.6	98	0.00
17 TMP	trans-1,2-Dichloroethene	10.000	9.325	6.8	87	0.00
18 TMP	Diisopropyl ether (DIPE)	10.000	8.608	13.9	82	0.00
19 TMP	1,1-Dichloroethane	10.000	8.898	11.0	80	0.00
20 TMP	Ethyl t-butyl ether (ETBE)	10.000	12.085	-20.9#	116	0.00
21 TMP	2,2-Dichloropropane	10.000	13.816	-38.2#	136	0.00
22 TMP	cis-1,2-Dichloroethene	10.000	9.593	4.1	88	0.00
23 TMP	Chloroform	10.000	9.344	6.6	87	0.00
24 TMP	2-Butanone (MEK)	50.000	48.058	3.9	85	0.00
25 TMP	t-Amyl methyl ether (TAME)	10.000	11.672	-16.7	108	0.00
26 TMP	1,2-Dichloroethane (EDC)	10.000	9.462	5.4	84	0.00
27 TMP	1,1,1-Trichloroethane	10.000	10.912	-9.1	103	0.00
28 TMP	1,1-Dichloropropene	10.000	9.631	3.7	88	0.00
29 TMP	Carbon tetrachloride	10.000	11.123	-11.2	106	0.00
30 S	1,2-Dichloroethane-d4	10.000	10.556	-5.6	93	0.00
31 TMP	Benzene	10.000	8.495	15.1	80	0.00
32 TMP	Trichloroethene	10.000	9.100	9.0	87	0.00
33 TMP	1,2-Dichloropropane	10.000	8.844	11.6	84	0.00
34 TMP	Bromodichloromethane	10.000	9.660	3.4	87	0.00
35 S	Toluene-d8	10.000	10.032	-0.3	91	0.00
36 TMP	Dibromomethane	10.000	8.984	10.2	84	0.00
37 TMP	4-Methyl-2-pentanone	50.000	53.793	-7.6	97	0.00
38 TMP	cis-1,3-Dichloropropene	10.000	11.004	-10.0	111	0.00
39 I	Chlorobenzene-d5	10.000	10.000	0.0	102	0.00
40 TMP	Toluene	10.000	9.058	9.4	89	0.00
41 TMP	trans-1,3-Dichloropropene	10.000	11.353	-13.5	123	0.00
42 TMP	1,1,2-Trichloroethane	10.000	8.337	16.6	82	0.00
43 TMP	2-Hexanone	50.000	50.032	-0.1	101	0.00

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111803.D
 Acq On : 18 Nov 2022 06:14 am
 Operator : LM
 Sample : 10 ppb 8260 CCV 67-86N
 Misc : soil/water
 ALS Vial : 1 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 18 08:13:50 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	10.000	8.080	19.2	82	0.00
45 TMP Tetrachloroethene	10.000	10.630	-6.3	104	0.00
46 TMP Dibromochloromethane	10.000	10.738	-7.4	112	-0.01
47 TMP 1,2-Dibromoethane (EDB)	10.000	9.494	5.1	99	0.00
48 TMP Chlorobenzene	10.000	9.577	4.2	100	0.00
49 TMP Ethylbenzene	10.000	8.776	12.2	91	0.00
50 TMP 1,1,1,2-Tetrachloroethane	10.000	10.824	-8.2	116	0.00
51 TMP m,p-Xylene	20.000	18.875	5.6	98	0.00
52 TMP o-Xylene	10.000	9.659	3.4	101	0.00
53 TMP Styrene	10.000	9.651	3.5	97	0.00
54 TMP Isopropylbenzene	10.000	9.580	4.2	97	0.00
55 TMP Bromoform	10.000	10.820	-8.2	114	0.00
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	103	0.00
57 S 4-Bromofluorobenzene	10.000	9.460	5.4	98	0.00
58 TMP n-Propylbenzene	10.000	9.038	9.6	90	0.00
59 TMP Bromobenzene	10.000	9.846	1.5	103	0.00
60 TMP 1,3,5-Trimethylbenzene	10.000	9.725	2.8	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	10.000	8.930	10.7	87	0.00
62 TMP 1,2,3-Trichloropropane	10.000	7.706	22.9#	81	0.00
63 TMP 2-Chlorotoluene	10.000	8.950	10.5	91	0.00
64 TMP 4-Chlorotoluene	10.000	8.924	10.8	93	0.00
65 TMP tert-Butylbenzene	10.000	10.218	-2.2	109	0.00
66 TMP 1,2,4-Trimethylbenzene	10.000	10.164	-1.6	104	0.00
67 TMP sec-Butylbenzene	10.000	9.514	4.9	98	0.00
68 TMP p-Isopropyltoluene	10.000	10.241	-2.4	106	0.00
69 TMP 1,3-Dichlorobenzene	10.000	9.675	3.2	101	0.00
70 TMP 1,4-Dichlorobenzene	10.000	9.298	7.0	98	0.00
71 TMP 1,2-Dichlorobenzene	10.000	9.633	3.7	99	0.00
72 TMP 1,2-Dibromo-3-chloropropane	10.000	9.039	9.6	96	0.00
73 TMP 1,2,4-Trichlorobenzene	10.000	9.715	2.9	106	0.00
74 TMP Hexachlorobutadiene	10.000	9.468	5.3	101	0.00
75 TMP Naphthalene	10.000	9.642	3.6	107	0.00
76 TMP 1,2,3-Trichlorobenzene	10.000	9.112	8.9	99	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111803.D
 Acq On : 18 Nov 2022 06:14 am
 Operator : LM
 Sample : 10 ppb 8260 CCV 67-86N
 Misc : soil/water
 ALS Vial : 1 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 18 08:13:50 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I Fluorobenzene	1.000	1.000	0.0	93	0.00
2 TMP Ethanol	0.000	0.000#	0.0	0#	-0.01
3 S Dibromofluoromethane	0.321	0.342	-6.5	99	0.00
4 TMP Dichlorodifluoromethane	0.800	0.675	15.6	79	0.00
5 TMP Chloromethane	0.488	0.394	19.3	73	0.00
6 TMP Vinyl chloride	0.510	0.438	14.1	81	0.00
7 TMP Bromomethane	0.432	0.503	-16.4	95	0.02
8 TMP Chloroethane	0.229	0.230	-0.4	90	0.00
9 TMP Trichlorofluoromethane	1.123	1.081	3.7	92	0.04
10 TMP 2-Propanol	0.000	0.000	0.0	0#	-0.01
11 TMP Acetone	0.029	0.028	3.4	89	0.00
12 TMP 1,1-Dichloroethene	0.285	0.268	6.0	88	0.00
13 TMP Hexane	0.323	0.277	14.2	79	0.00
14 TMP Methylene chloride	0.289	0.274	5.2	84	0.01
15 TMP t-Butyl alcohol (TBA)	0.024	0.024#	0.0	91	0.00
16 TMP Methyl t-butyl ether (MTBE)	0.666	0.716	-7.5	98	0.00
17 TMP trans-1,2-Dichloroethene	0.318	0.297	6.6	87	0.00
18 TMP Diisopropyl ether (DIPE)	0.698	0.601	13.9	82	0.00
19 TMP 1,1-Dichloroethane	0.463	0.412	11.0	80	0.00
20 TMP Ethyl t-butyl ether (ETBE)	0.258	0.311	-20.5#	116	0.00
21 TMP 2,2-Dichloropropane	0.258	0.334	-29.5#	136	0.00
22 TMP cis-1,2-Dichloroethene	0.333	0.320	3.9	88	0.00
23 TMP Chloroform	0.539	0.503	6.7	87	0.00
24 TMP 2-Butanone (MEK)	0.132	0.121	8.3	85	0.00
25 TMP t-Amyl methyl ether (TAME)	0.540	0.631	-16.9	108	0.00
26 TMP 1,2-Dichloroethane (EDC)	0.465	0.385	17.2	84	0.00
27 TMP 1,1,1-Trichloroethane	0.482	0.526	-9.1	103	0.00
28 TMP 1,1-Dichloropropene	0.370	0.348	5.9	88	0.00
29 TMP Carbon tetrachloride	0.485	0.540	-11.3	106	0.00
30 S 1,2-Dichloroethane-d4	0.062	0.066	-6.5	93	0.00
31 TMP Benzene	1.118	0.950	15.0	80	0.00
32 TMP Trichloroethene	0.367	0.334	9.0	87	0.00
33 TMP 1,2-Dichloropropane	0.241	0.213	11.6	84	0.00
34 TMP Bromodichloromethane	0.387	0.373	3.6	87	0.00
35 S Toluene-d8	0.954	0.957	-0.3	91	0.00
36 TMP Dibromomethane	0.219	0.197	10.0	84	0.00
37 TMP 4-Methyl-2-pentanone	0.042	0.046	-9.5	97	0.00
38 TMP cis-1,3-Dichloropropene	0.360	0.396	-10.0	111	0.00
39 I Chlorobenzene-d5	1.000	1.000	0.0	102	0.00
40 TMP Toluene	0.907	0.726	20.0	89	0.00
41 TMP trans-1,3-Dichloropropene	0.366	0.401	-9.6	123	0.00
42 TMP 1,1,2-Trichloroethane	0.285	0.216	24.2#	82	0.00
43 TMP 2-Hexanone	0.190	0.190	0.0	101	0.00

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111803.D
 Acq On : 18 Nov 2022 06:14 am
 Operator : LM
 Sample : 10 ppb 8260 CCV 67-86N
 Misc : soil/water
 ALS Vial : 1 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 18 08:13:50 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.457	0.369	19.3	82	0.00
45 TMP Tetrachloroethene	0.460	0.420	8.7	104	0.00
46 TMP Dibromochloromethane	0.451	0.462	-2.4	112	-0.01
47 TMP 1,2-Dibromoethane (EDB)	0.360	0.341	5.3	99	0.00
48 TMP Chlorobenzene	0.993	0.951	4.2	100	0.00
49 TMP Ethylbenzene	1.557	1.366	12.3	91	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.387	0.418	-8.0	116	0.00
51 TMP m,p-Xylene	0.612	0.577	5.7	98	0.00
52 TMP o-Xylene	0.591	0.571	3.4	101	0.00
53 TMP Styrene	0.887	0.856	3.5	97	0.00
54 TMP Isopropylbenzene	1.435	1.375	4.2	97	0.00
55 TMP Bromoform	0.299	0.324	-8.4	114	0.00
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	103	0.00
57 S 4-Bromofluorobenzene	0.689	0.652	5.4	98	0.00
58 TMP n-Propylbenzene	2.700	2.440	9.6	90	0.00
59 TMP Bromobenzene	0.837	0.825	1.4	103	0.00
60 TMP 1,3,5-Trimethylbenzene	1.968	1.913	2.8	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.626	0.522	16.6	87	0.00
62 TMP 1,2,3-Trichloropropane	0.486	0.375#	22.8#	81	0.00
63 TMP 2-Chlorotoluene	1.617	1.447	10.5	91	0.00
64 TMP 4-Chlorotoluene	1.912	1.706	10.8	93	0.00
65 TMP tert-Butylbenzene	1.952	1.994	-2.2	109	0.00
66 TMP 1,2,4-Trimethylbenzene	1.996	2.029	-1.7	104	0.00
67 TMP sec-Butylbenzene	2.624	2.496	4.9	98	0.00
68 TMP p-Isopropyltoluene	2.387	2.444	-2.4	106	0.00
69 TMP 1,3-Dichlorobenzene	1.530	1.480	3.3	101	0.00
70 TMP 1,4-Dichlorobenzene	1.564	1.454	7.0	98	0.00
71 TMP 1,2-Dichlorobenzene	1.455	1.401	3.7	99	0.00
72 TMP 1,2-Dibromo-3-chloropropane	0.108	0.098	9.3	96	0.00
73 TMP 1,2,4-Trichlorobenzene	0.971	0.943	2.9	106	0.00
74 TMP Hexachlorobutadiene	0.600	0.568	5.3	101	0.00
75 TMP Naphthalene	1.833	1.790	2.3	107	0.00
76 TMP 1,2,3-Trichlorobenzene	0.846	0.771	8.9	99	0.00

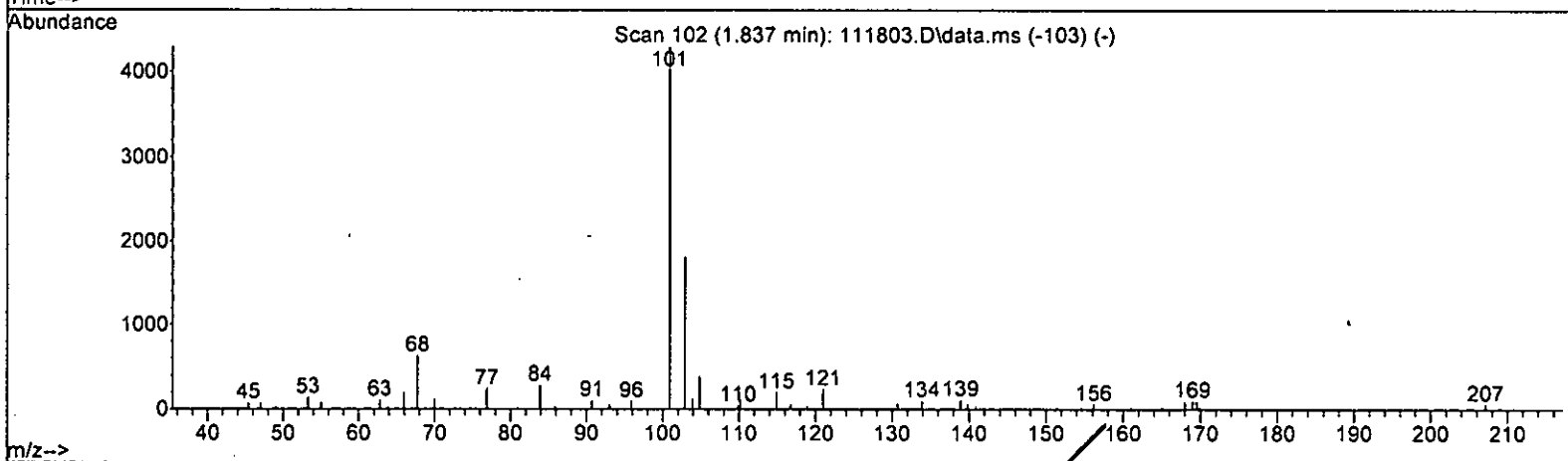
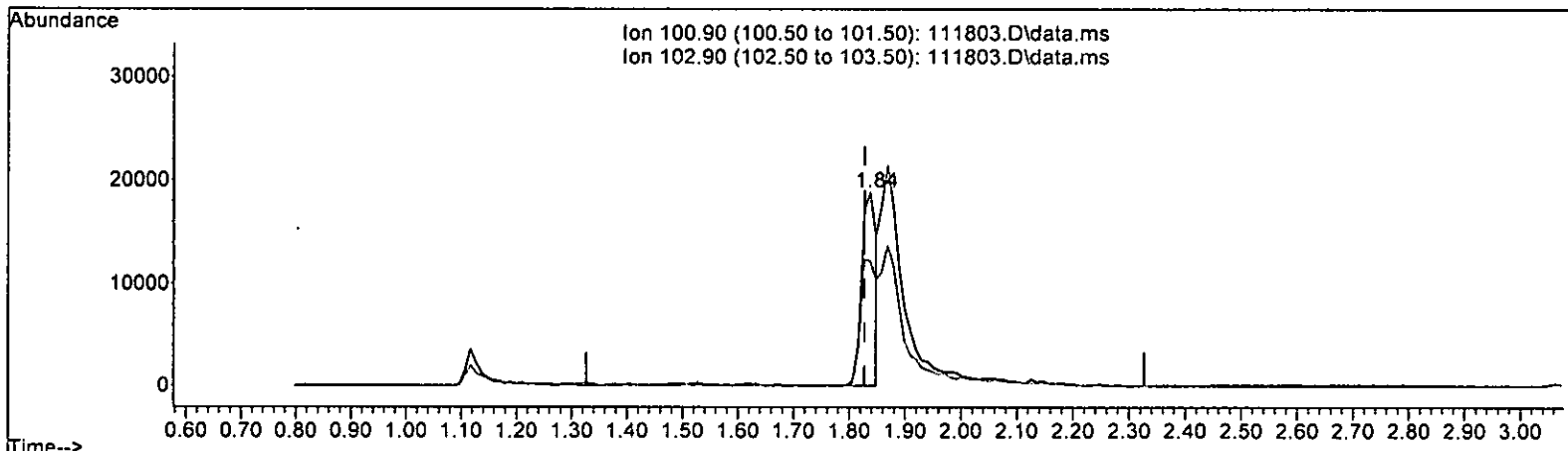
(#) = Out of Range

SPCC's out = 3 CCC's out = 0

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111803.D
 Acq On : 18 Nov 2022 06:14 am
 Operator : LM
 Sample : 10 ppb 8260 CCV 67-86N
 Misc : soil/water
 ALS Vial : 1 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 18 08:13:50 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 111803.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.837min (+ 0.010) 3.160 ppb

response 34241

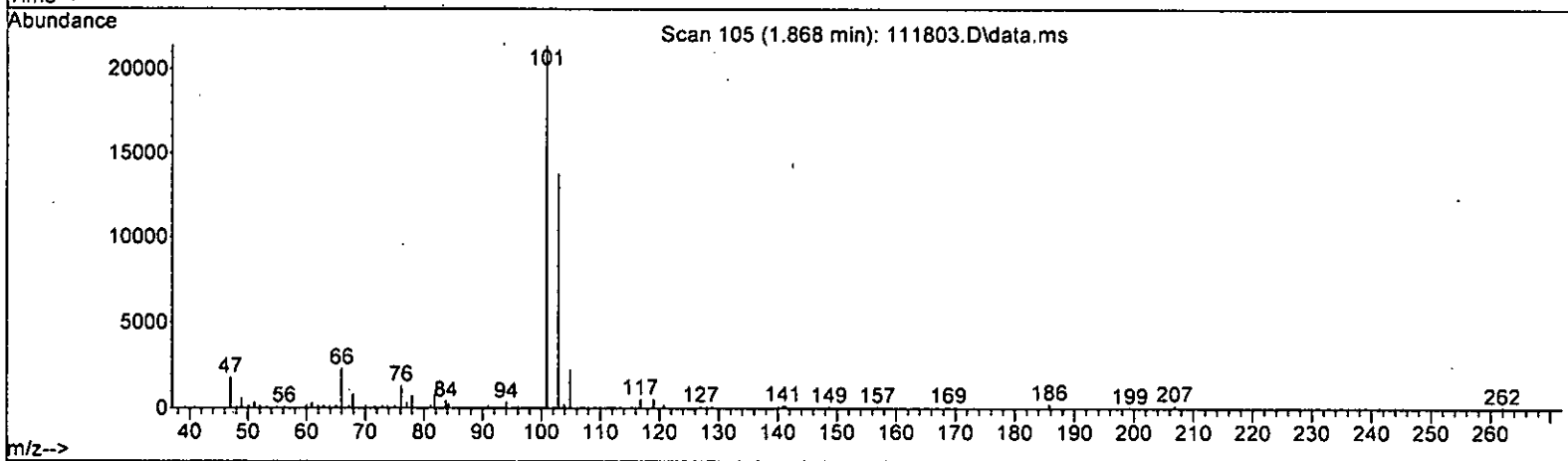
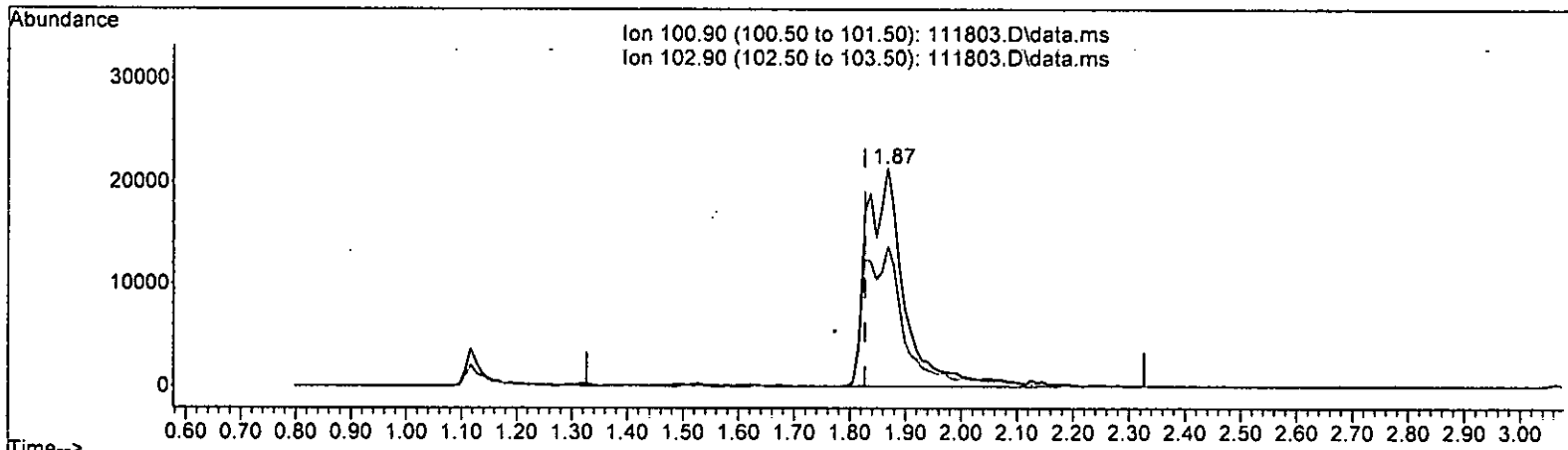
Ion	Exp%	Act%
100.90	100.00	100.00
102.90	65.30	64.80
0.00	0.00	0.00
0.00	0.00	0.00

m 11.21.22

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111803.D
 Acq On : 18 Nov 2022 06:14 am
 Operator : LM
 Sample : 10 ppb 8260 CCV 67-86N
 Misc : soil/water
 ALS Vial : 1 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 18 08:13:50 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 111803.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.868min (+ 0.041) 9.622 ppb m

response 104269

Ion	Exp%	Act%
100.90	100.00	100.00
102.90	65.30	64.16
0.00	0.00	0.00
0.00	0.00	0.00

M 11.21.22

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111803.D
 Acq On : 18 Nov 2022 06:14 am
 Operator : LM
 Sample : 10 ppb 8260 CCV 67-86N
 Misc : soil/water
 ALS Vial : 1 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 18 08:13:50 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 Qlast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	4.75	96	96488	10.000	ppb	0.00	
39) Chlorobenzene-d5	7.40	117	88501	10.000	ppb	0.00	
56) 1,4-Dichlorobenzene-d4	9.62	152	52821	10.000	ppb	0.00	
System Monitoring Compounds							
3) Dibromofluoromethane	4.17	113	32996	10.664	ppb	0.00	
Spiked Amount	10.000	Range	50 - 150	Recovery	=	106.60%	
30) 1,2-Dichloroethane-d4	4.45	102	6330	10.556	ppb	0.00	
Spiked Amount	10.000	Range	84 - 120	Recovery	=	105.60%	
35) Toluene-d8	6.11	98	92317	10.032	ppb	0.00	
Spiked Amount	10.000	Range	73 - 128	Recovery	=	100.30%	
57) 4-Bromofluorobenzene	8.51	95	34430	9.460	ppb	0.00	
Spiked Amount	10.000	Range	57 - 146	Recovery	=	94.60%	
Target Compounds							
2) Ethanol	2.32	45	421	No Calib			Qvalue
4) Dichlorodifluoromethane	1.12	85	65085	8.431	ppb		97
5) Chloromethane	1.26	50	38042	8.077	ppb		93
6] Vinyl chloride	1.34	62	42223	8.585	ppb		95
7) Bromomethane	1.60	94	48490	11.632	ppb		94
8] Chloroethane	1.65	64	22232	10.076	ppb		100
9) Trichlorofluoromethane	1.87	101	104269m	9.622	ppb		
10) 2-Propanol	2.32	45	421	No Calib	#		
11) Acetone	2.33	58	13381	52.609	ppb		98
12] 1,1-Dichloroethene	2.27	96	25846	9.402	ppb		93
13) Hexane	3.16	57	26759	8.579	ppb		93
14) Methylene chloride	2.69	84	26459	9.045	ppb		95
15) t-Butyl alcohol (TBA)	2.82	59	11602	50.098	ppb		90
16] Methyl t-butyl ether (...)	2.93	73	69117	10.759	ppb		99
17] trans-1,2-Dichloroethene	2.92	96	28654	9.325	ppb		99
18) Diisopropyl ether (DIPE)	3.35	45	57953	8.608	ppb		100
19] 1,1-Dichloroethane	3.27	63	39785	8.898	ppb		98
20) Ethyl t-butyl ether (E...)	3.66	87	30040	12.085	ppb		87
21) 2,2-Dichloropropane	3.77	77	32228	13.816	ppb		97
22] cis-1,2-Dichloroethene	3.77	96	30834	9.593	ppb		97
23) Chloroform	4.04	83	48560	9.344	ppb		97
24) 2-Butanone (MEK)	3.79	43	58201	48.058	ppb		99
25) t-Amyl methyl ether (T...)	4.61	73	60861	11.672	ppb		92
26] 1,2-Dichloroethane (EDC)	4.53	62	37116	9.462	ppb		99
27] 1,1,1-Trichloroethane	4.19	97	50732	10.912	ppb		98
28) 1,1-Dichloropropene	4.33	75	33584	9.631	ppb		92
29) Carbon tetrachloride	4.33	117	52066	11.123	ppb		99
31] Benzene	4.50	78	91664	8.495	ppb		98
32] Trichloroethene	5.05	95	32183	9.100	ppb	#	71
33) 1,2-Dichloropropane	5.24	63	20562	8.844	ppb		95
34) Bromodichloromethane	5.48	83	36035	9.660	ppb		97
36) Dibromomethane	5.35	93	19024	8.984	ppb	#	69

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111803.D
 Acq On : 18 Nov 2022 06:14 am
 Operator : LM
 Sample : 10 ppb 8260 CCV 67-86N
 Misc : soil/water
 ALS Vial : 1 Sample Multiplier: 1
 InstName : GCMS13

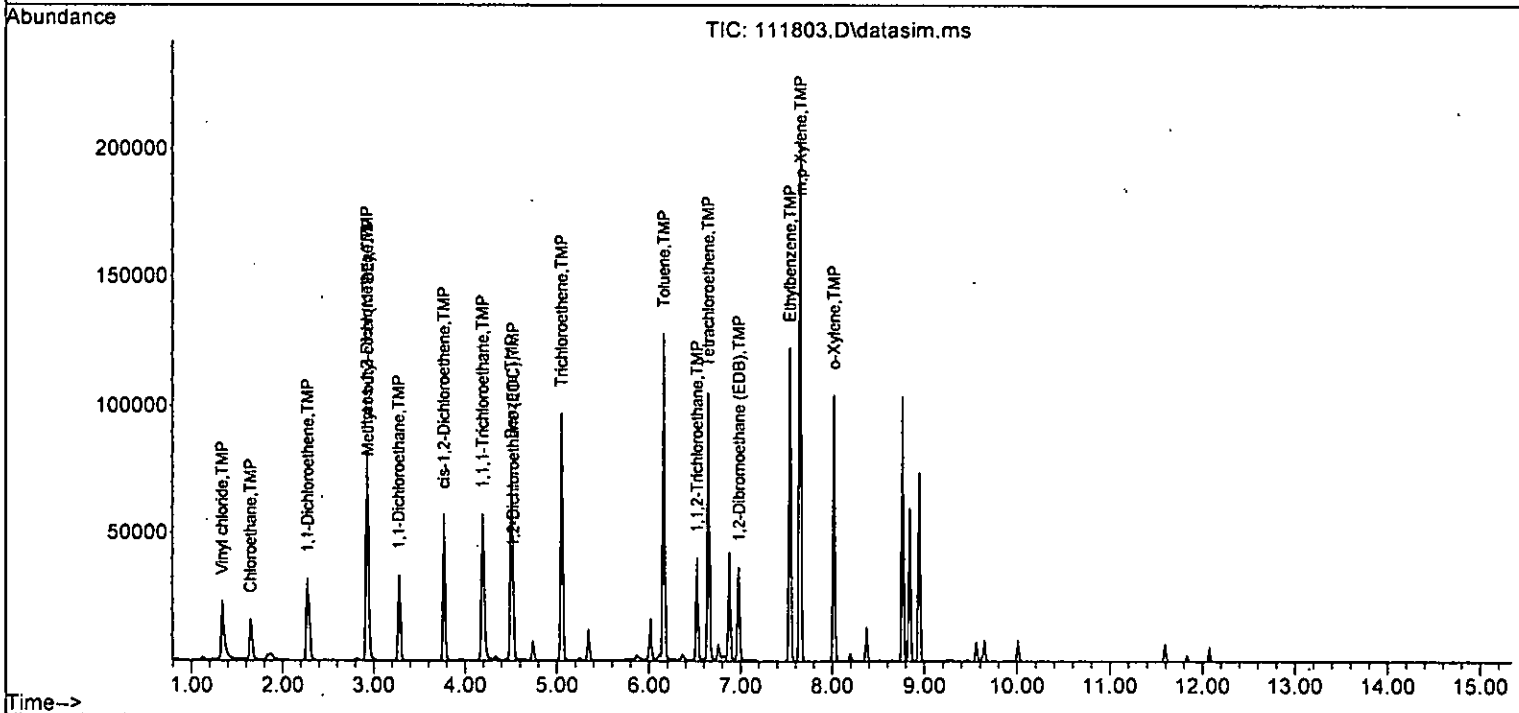
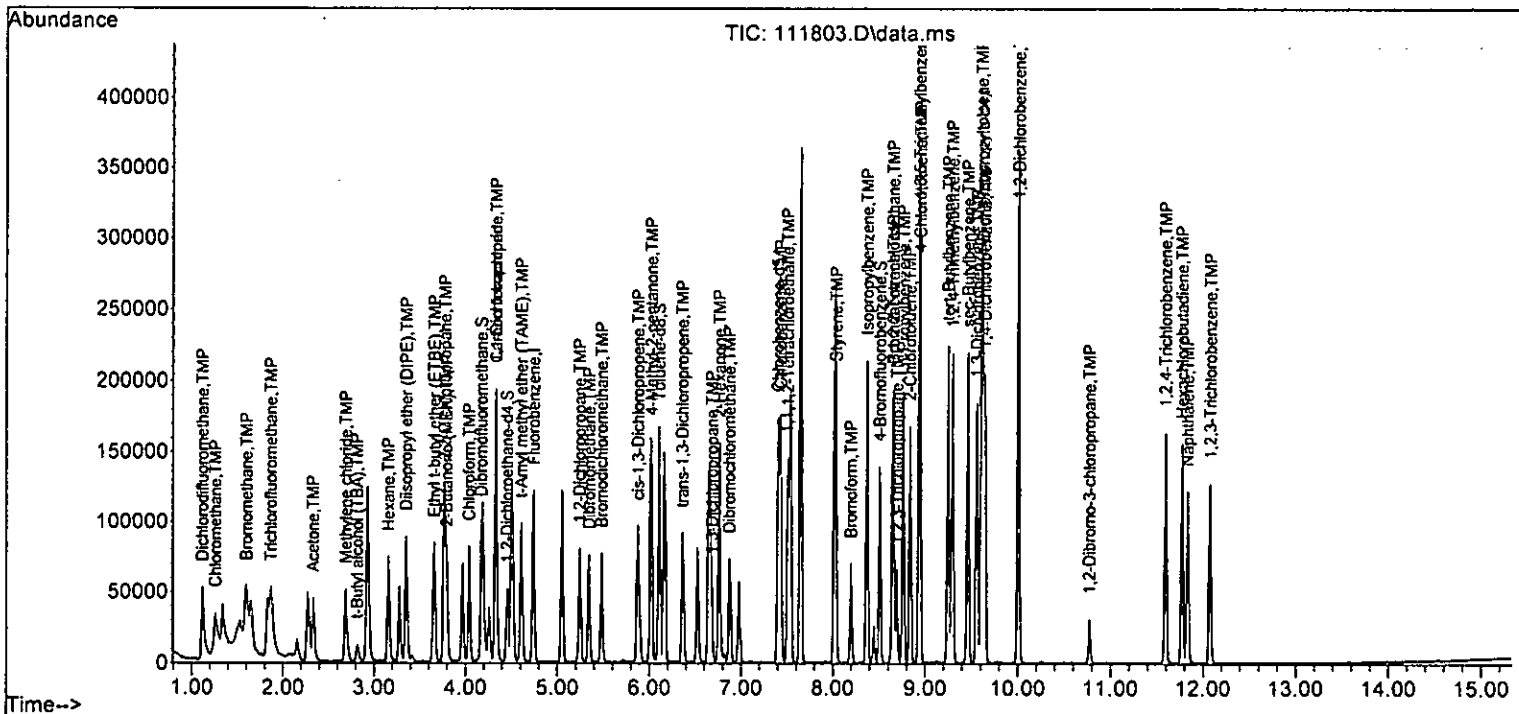
Quant Time: Nov 18 08:13:50 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	6.02	85	22020	53.793	ppb	# 79
38) cis-1,3-Dichloropropene	5.88	75	38232	11.004	ppb	90
40] Toluene	6.16	92	64272	9.058	ppb	94
41) trans-1,3-Dichloropropene	6.36	75	35452	11.353	ppb	88
42] 1,1,2-Trichloroethane	6.53	83	19103	8.337	ppb	83
43) 2-Hexanone	6.76	43	83932	50.032	ppb	95
44) 1,3-Dichloropropane	6.68	76	32695	8.080	ppb	97
45] Tetrachloroethene	6.65	164	37158	10.630	ppb	94
46) Dibromochloromethane	6.87	129	40897	10.738	ppb	98
47] 1,2-Dibromoethane (EDB)	6.98	107	30210	9.494	ppb	96
48) Chlorobenzene	7.43	112	84162	9.577	ppb	91
49] Ethylbenzene	7.54	91	120919	8.776	ppb	89
50) 1,1,1,2-Tetrachloroethane	7.51	131	37029	10.824	ppb	97
51] m,p-Xylene	7.65	106	102198	18.875	ppb	# 80
52] o-Xylene	8.02	106	50497	9.659	ppb	# 78
53) Styrene	8.03	104	75786	9.651	ppb	95
54) Isopropylbenzene	8.37	105	121699	9.580	ppb	92
55) Bromoform	8.20	173	28634	10.820	ppb	98
58) n-Propylbenzene	8.77	91	128876	9.038	ppb	82
59) Bromobenzene	8.65	156	43555	9.846	ppb	# 73
60) 1,3,5-Trimethylbenzene	8.94	105	101070	9.725	ppb	87
61) 1,1,2,2-Tetrachloroethane	8.65	83	27576	8.930	ppb	96
62) 1,2,3-Trichloropropane	8.70	75	19792	7.706	ppb	91
63) 2-Chlorotoluene	8.84	91	76430	8.950	ppb	82
64) 4-Chlorotoluene	8.95	91	90121	8.924	ppb	79
65) tert-Butylbenzene	9.25	119	105349	10.218	ppb	86
66) 1,2,4-Trimethylbenzene	9.30	105	107183	10.164	ppb	88
67) sec-Butylbenzene	9.46	105	131857	9.514	ppb	89
68) p-Isopropyltoluene	9.61	119	129117	10.241	ppb	95
69) 1,3-Dichlorobenzene	9.56	146	78168	9.675	ppb	93
70) 1,4-Dichlorobenzene	9.64	146	76809	9.298	ppb	98
71) 1,2-Dichlorobenzene	10.01	146	74017	9.633	ppb	96
72) 1,2-Dibromo-3-chloropr...	10.77	75	5152	9.039	ppb	79
73) 1,2,4-Trichlorobenzene	11.59	180	49800	9.715	ppb	98
74) Hexachlorobutadiene	11.77	225	29994	9.468	ppb	97
75) Naphthalene	11.83	128	94572	9.642	ppb	98
76) 1,2,3-Trichlorobenzene	12.08	180	40716	9.112	ppb	93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111803.D
 Acq On : 18 Nov 2022 06:14 am
 Operator : LM
 Sample : 10 ppb 8260 CCV 67-86N
 Misc : soil/water
 ALS Vial : 1 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 18 08:13:50 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111829.D
 Acq On : 18 Nov 2022 06:31 pm
 Operator : LM
 Sample : 10 ppb 8260 CCV 67-192N
 Misc : soil/water
 ALS Vial : 24 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 18 18:52:26 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	10.000	10.000	0.0	90	-0.01
2 TMP	Ethanol	-1.000	0.000	0.0	0	0.00
3 S	Dibromofluoromethane	10.000	10.389	-3.9	94	0.00
4 TMP	Dichlorodifluoromethane	10.000	9.828	1.7	90	-0.01
5 TMP	Chloromethane	10.000	8.491	15.1	74	-0.01
6 TMP	Vinyl chloride	10.000	8.856	11.4	81	-0.01
7 TMP	Bromomethane	10.000	12.719	-27.2#	101	-0.01
8 TMP	Chloroethane	10.000	9.937	0.6	87	-0.01
9 TMP	Trichlorofluoromethane	10.000	9.612	3.9	89	0.03
10 TMP	2-Propanol	-1.000	0.000	0.0	0	0.00
11 TMP	Acetone	50.000	56.005	-12.0	93	-0.01
12 TMP	1,1-Dichloroethene	10.000	9.730	2.7	89	-0.01
13 TMP	Hexane	10.000	9.737	2.6	87	-0.01
14 TMP	Methylene chloride	10.000	9.734	2.7	87	0.00
15 TMP	t-Butyl alcohol (TBA)	50.000	58.149	-16.3	104	0.00
16 TMP	Methyl t-butyl ether (MTBE)	10.000	10.986	-9.9	98	-0.01
17 TMP	trans-1,2-Dichloroethene	10.000	9.618	3.8	88	-0.01
18 TMP	Diisopropyl ether (DIPE)	10.000	8.928	10.7	83	-0.01
19 TMP	1,1-Dichloroethane	10.000	9.590	4.1	84	0.00
20 TMP	Ethyl t-butyl ether (ETBE)	10.000	12.160	-21.6#	114	-0.01
21 TMP	2,2-Dichloropropane	10.000	16.358	-63.6#	158	-0.01
22 TMP	cis-1,2-Dichloroethene	10.000	10.156	-1.6	91	-0.01
23 TMP	Chloroform	10.000	9.593	4.1	88	0.00
24 TMP	2-Butanone (MEK)	50.000	52.722	-5.4	91	-0.01
25 TMP	t-Amyl methyl ether (TAME)	10.000	11.731	-17.3	106	0.00
26 TMP	1,2-Dichloroethane (EDC)	10.000	9.953	0.5	86	-0.01
27 TMP	1,1,1-Trichloroethane	10.000	11.174	-11.7	102	0.00
28 TMP	1,1-Dichloropropene	10.000	9.981	0.2	89	-0.01
29 TMP	Carbon tetrachloride	10.000	11.334	-13.3	106	-0.01
30 S	1,2-Dichloroethane-d4	10.000	9.411	5.9	81	0.00
31 TMP	Benzene	10.000	8.868	11.3	82	0.00
32 TMP	Trichloroethene	10.000	9.385	6.2	87	-0.01
33 TMP	1,2-Dichloropropane	10.000	8.750	12.5	81	0.00
34 TMP	Bromodichloromethane	10.000	9.787	2.1	86	0.00
35 S	Toluene-d8	10.000	10.306	-3.1	91	0.00
36 TMP	Dibromomethane	10.000	9.308	6.9	85	-0.01
37 TMP	4-Methyl-2-pentanone	50.000	56.166	-12.3	99	-0.01
38 TMP	cis-1,3-Dichloropropene	10.000	10.819	-8.2	106	-0.01
39 I	Chlorobenzene-d5	10.000	10.000	0.0	101	0.00
40 TMP	Toluene	10.000	9.139	8.6	89	0.00
41 TMP	trans-1,3-Dichloropropene	10.000	10.985	-9.8	118	0.00
42 TMP	1,1,2-Trichloroethane	10.000	8.465	15.4	83	0.00
43 TMP	2-Hexanone	50.000	51.322	-2.6	103	0.00

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111829.D
 Acq On : 18 Nov 2022 06:31 pm
 Operator : LM
 Sample : 10 ppb 8260 CCV 67-192N
 Misc : soil/water
 ALS Vial : 24 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 18 18:52:26 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	10.000	8.515	14.8	86	-0.01
45 TMP Tetrachloroethene	10.000	10.740	-7.4	104	0.00
46 TMP Dibromochloromethane	10.000	10.434	-4.3	108	-0.01
47 TMP 1,2-Dibromoethane (EDB)	10.000	9.527	4.7	98	-0.01
48 TMP Chlorobenzene	10.000	9.624	3.8	100	0.00
49 TMP Ethylbenzene	10.000	8.921	10.8	92	0.00
50 TMP 1,1,1,2-Tetrachloroethane	10.000	10.392	-3.9	110	0.00
51 TMP m,p-Xylene	20.000	19.082	4.6	98	0.00
52 TMP o-Xylene	10.000	9.785	2.1	101	0.00
53 TMP Styrene	10.000	9.694	3.1	97	0.00
54 TMP Isopropylbenzene	10.000	9.754	2.5	98	0.00
55 TMP Bromoform	10.000	10.425	-4.3	109	0.00
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	99	0.00
57 S 4-Bromofluorobenzene	10.000	9.656	3.4	95	0.00
58 TMP n-Propylbenzene	10.000	9.654	3.5	92	0.00
59 TMP Bromobenzene	10.000	10.505	-5.1	105	0.00
60 TMP 1,3,5-Trimethylbenzene	10.000	10.450	-4.5	103	0.00
61 TMP 1,1,2,2-Tetrachloroethane	10.000	9.528	4.7	88	0.00
62 TMP 1,2,3-Trichloropropane	10.000	8.263	17.4	84	0.00
63 TMP 2-Chlorotoluene	10.000	9.627	3.7	93	0.00
64 TMP 4-Chlorotoluene	10.000	9.435	5.6	94	0.00
65 TMP tert-Butylbenzene	10.000	10.719	-7.2	109	0.00
66 TMP 1,2,4-Trimethylbenzene	10.000	10.813	-8.1	106	0.00
67 TMP sec-Butylbenzene	10.000	10.323	-3.2	101	0.00
68 TMP p-Isopropyltoluene	10.000	11.074	-10.7	109	0.00
69 TMP 1,3-Dichlorobenzene	10.000	10.283	-2.8	103	0.00
70 TMP 1,4-Dichlorobenzene	10.000	9.980	0.2	101	0.00
71 TMP 1,2-Dichlorobenzene	10.000	10.301	-3.0	101	0.00
72 TMP 1,2-Dibromo-3-chloropropane	10.000	9.890	1.1	101	0.00
73 TMP 1,2,4-Trichlorobenzene	10.000	10.928	-9.3	114	0.00
74 TMP Hexachlorobutadiene	10.000	10.837	-8.4	111	0.00
75 TMP Naphthalene	10.000	10.583	-5.8	113	0.00
76 TMP 1,2,3-Trichlorobenzene	10.000	10.558	-5.6	109	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111829.D
 Acq On : 18 Nov 2022 06:31 pm
 Operator : LM
 Sample : 10 ppb 8260 CCV 67-192N
 Misc : soil/water
 ALS Vial : 24 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 18 18:52:26 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I Fluorobenzene	1.000	1.000	0.0	90	-0.01
2 TMP Ethanol	0.000	0.000#	0.0	0#	0.00
3 S Dibromofluoromethane	0.321	0.333	-3.7	94	0.00
4 TMP Dichlorodifluoromethane	0.800	0.786	1.8	90	-0.01
5 TMP Chloromethane	0.488	0.414	15.2	74	-0.01
6 TMP Vinyl chloride	0.510	0.451	11.6	81	-0.01
7 TMP Bromomethane	0.432	0.550	-27.3#	101	-0.01
8 TMP Chloroethane	0.229	0.227	0.9	87	-0.01
9 TMP Trichlorofluoromethane	1.123	1.080	3.8	89	0.03
10 TMP 2-Propanol	0.000	0.000	0.0	0#	0.00
11 TMP Acetone	0.029	0.030	-3.4	93	-0.01
12 TMP 1,1-Dichloroethene	0.285	0.277	2.8	89	-0.01
13 TMP Hexane	0.323	0.315	2.5	87	-0.01
14 TMP Methylene chloride	0.289	0.293	-1.4	87	0.00
15 TMP t-Butyl alcohol (TBA)	0.024	0.028#	-16.7	104	0.00
16 TMP Methyl t-butyl ether (MTBE)	0.666	0.731	-9.8	98	-0.01
17 TMP trans-1,2-Dichloroethene	0.318	0.306	3.8	88	-0.01
18 TMP Diisopropyl ether (DIPE)	0.698	0.623	10.7	83	-0.01
19 TMP 1,1-Dichloroethane	0.463	0.444	4.1	84	0.00
20 TMP Ethyl t-butyl ether (ETBE)	0.258	0.313	-21.3#	114	-0.01
21 TMP 2,2-Dichloropropane	0.258	0.396	-53.5#	158#	-0.01
22 TMP cis-1,2-Dichloroethene	0.333	0.338	-1.5	91	-0.01
23 TMP Chloroform	0.539	0.517	4.1	88	0.00
24 TMP 2-Butanone (MEK)	0.132	0.132	0.0	91	-0.01
25 TMP t-Amyl methyl ether (TAME)	0.540	0.634	-17.4	106	0.00
26 TMP 1,2-Dichloroethane (EDC)	0.465	0.405	12.9	86	-0.01
27 TMP 1,1,1-Trichloroethane	0.482	0.538	-11.6	102	0.00
28 TMP 1,1-Dichloropropene	0.370	0.361	2.4	89	-0.01
29 TMP Carbon tetrachloride	0.485	0.550	-13.4	106	-0.01
30 S 1,2-Dichloroethane-d4	0.062	0.058	6.5	81	0.00
31 TMP Benzene	1.118	0.992	11.3	82	0.00
32 TMP Trichloroethene	0.367	0.344	6.3	87	-0.01
33 TMP 1,2-Dichloropropane	0.241	0.211	12.4	81	0.00
34 TMP Bromodichloromethane	0.387	0.378	2.3	86	0.00
35 S Toluene-d8	0.954	0.983	-3.0	91	0.00
36 TMP Dibromomethane	0.219	0.204	6.8	85	-0.01
37 TMP 4-Methyl-2-pentanone	0.042	0.048	-14.3	99	-0.01
38 TMP cis-1,3-Dichloropropene	0.360	0.390	-8.3	106	-0.01
39 I Chlorobenzene-d5	1.000	1.000	0.0	101	0.00
40 TMP Toluene	0.907	0.733	19.2	89	0.00
41 TMP trans-1,3-Dichloropropene	0.366	0.387	-5.7	118	0.00
42 TMP 1,1,2-Trichloroethane	0.285	0.219	23.2#	83	0.00
43 TMP 2-Hexanone	0.190	0.195	-2.6	103	0.00

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111829.D
 Acq On : 18 Nov 2022 06:31 pm
 Operator : LM
 Sample : 10 ppb 8260 CCV 67-192N
 Misc : soil/water
 ALS Vial : 24 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 18 18:52:26 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 Qlast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.457	0.389	14.9	86	-0.01
45 TMP Tetrachloroethene	0.460	0.424	7.8	104	0.00
46 TMP Dibromochloromethane	0.451	0.449	0.4	108	-0.01
47 TMP 1,2-Dibromoethane (EDB)	0.360	0.343	4.7	98	-0.01
48 TMP Chlorobenzene	0.993	0.956	3.7	100	0.00
49 TMP Ethylbenzene	1.557	1.389	10.8	92	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.387	0.402	-3.9	110	0.00
51 TMP m,p-Xylene	0.612	0.584	4.6	98	0.00
52 TMP o-Xylene	0.591	0.578	2.2	101	0.00
53 TMP Styrene	0.887	0.860	3.0	97	0.00
54 TMP Isopropylbenzene	1.435	1.400	2.4	98	0.00
55 TMP Bromoform	0.299	0.312	-4.3	109	0.00
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	99	0.00
57 S 4-Bromofluorobenzene	0.689	0.665	3.5	95	0.00
58 TMP n-Propylbenzene	2.700	2.606	3.5	92	0.00
59 TMP Bromobenzene	0.837	0.880	-5.1	105	0.00
60 TMP 1,3,5-Trimethylbenzene	1.968	2.056	-4.5	103	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.626	0.557	11.0	88	0.00
62 TMP 1,2,3-Trichloropropane	0.486	0.402#	17.3	84	0.00
63 TMP 2-Chlorotoluene	1.617	1.556	3.8	93	0.00
64 TMP 4-Chlorotoluene	1.912	1.804	5.6	94	0.00
65 TMP tert-Butylbenzene	1.952	2.092	-7.2	109	0.00
66 TMP 1,2,4-Trimethylbenzene	1.996	2.159	-8.2	106	0.00
67 TMP sec-Butylbenzene	2.624	2.708	-3.2	101	0.00
68 TMP p-Isopropyltoluene	2.387	2.643	-10.7	109	0.00
69 TMP 1,3-Dichlorobenzene	1.530	1.573	-2.8	103	0.00
70 TMP 1,4-Dichlorobenzene	1.564	1.561	0.2	101	0.00
71 TMP 1,2-Dichlorobenzene	1.455	1.498	-3.0	101	0.00
72 TMP 1,2-Dibromo-3-chloropropane	0.108	0.107	0.9	101	0.00
73 TMP 1,2,4-Trichlorobenzene	0.971	1.061	-9.3	114	0.00
74 TMP Hexachlorobutadiene	0.600	0.650	-8.3	111	0.00
75 TMP Naphthalene	1.833	1.969	-7.4	113	0.00
76 TMP 1,2,3-Trichlorobenzene	0.846	0.893	-5.6	109	0.00

(#) = Out of Range

SPCC's out = 3 CCC's out = 0

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111829.D
 Acq On : 18 Nov 2022 06:31 pm
 Operator : LM
 Sample : 10 ppb 8260 CCV 67-192N
 Misc : soil/water
 ALS Vial : 24 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 18 18:52:26 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 Qlast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth: VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.73	96	94077	10.000	ppb	-0.01
39) Chlorobenzene-d5	7.40	117	87816	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	50565	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.17	113	31344	10.389	ppb	0.00
Spiked Amount	10.000	Range 50 - 150	Recovery =	103.90%		
30) 1,2-Dichloroethane-d4	4.45	102	5502	9.411	ppb	0.00
Spiked Amount	10.000	Range 84 - 120	Recovery =	94.10%		
35) Toluene-d8	6.11	98	92473	10.306	ppb	0.00
Spiked Amount	10.000	Range 73 - 128	Recovery =	103.10%		
57) 4-Bromofluorobenzene	8.51	95	33644	9.656	ppb	0.00
Spiked Amount	10.000	Range 57 - 146	Recovery =	96.60%		
Target Compounds						
2) Ethanol	2.33	45	316	No Calib		
4) Dichlorodifluoromethane	1.11	85	73969	9.828	ppb	98
5) Chloromethane	1.25	50	38994	8.491	ppb	96
6] Vinyl chloride	1.33	62	42467	8.856	ppb	97
7) Bromomethane	1.57	94	51697	12.719	ppb	97
8] Chloroethane	1.64	64	21377	9.937	ppb	94
9) Trichlorofluoromethane	1.86	101	101558	9.612	ppb	99
10) 2-Propanol	2.33	45	316	No Calib	#	
11) Acetone	2.32	58	13880	56.005	ppb	97
12] 1,1-Dichloroethene	2.26	96	26078	9.730	ppb	97
13) Hexane	3.15	57	29613	9.737	ppb	96
14) Methylene chloride	2.68	84	27532	9.734	ppb	95
15) t-Butyl alcohol (TBA)	2.82	59	13130	58.149	ppb	91
16] Methyl t-butyl ether (...)	2.92	73	68811	10.986	ppb	100
17] trans-1,2-Dichloroethene	2.91	96	28817	9.618	ppb	97
18) Diisopropyl ether (DIPE)	3.34	45	58604	8.928	ppb	99
19] 1,1-Dichloroethane	3.27	63	41808	9.590	ppb	92
20) Ethyl t-butyl ether (E...)	3.65	87	29470	12.160	ppb	88
21) 2,2-Dichloropropane	3.76	77	37299	16.358	ppb	99
22] cis-1,2-Dichloroethene	3.76	96	31829	10.156	ppb	95
23) Chloroform	4.04	83	48612	9.593	ppb	99
24) 2-Butanone (MEK)	3.78	43	62240	52.722	ppb	100
25) t-Amyl methyl ether (T...)	4.61	73	59641	11.731	ppb	90
26] 1,2-Dichloroethane (EDC)	4.52	62	38057	9.953	ppb	95
27] 1,1,1-Trichloroethane	4.19	97	50652	11.174	ppb	92
28) 1,1-Dichloropropene	4.32	75	33938	9.981	ppb	93
29) Carbon tetrachloride	4.32	117	51728	11.334	ppb	95
31] Benzene	4.50	78	93301	8.868	ppb	97
32] Trichloroethene	5.04	95	32360	9.385	ppb	91
33) 1,2-Dichloropropane	5.24	63	19834	8.750	ppb	92
34) Bromodichloromethane	5.48	83	35596	9.787	ppb	88
36) Dibromomethane	5.34	93	19217	9.308	ppb	# 80

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111829.D
 Acq On : 18 Nov 2022 06:31 pm
 Operator : LM
 Sample : 10 ppb 8260 CCV 67-192N
 Misc : soil/water
 ALS Vial : 24 Sample Multiplier: 1
 InstName : GCMS13

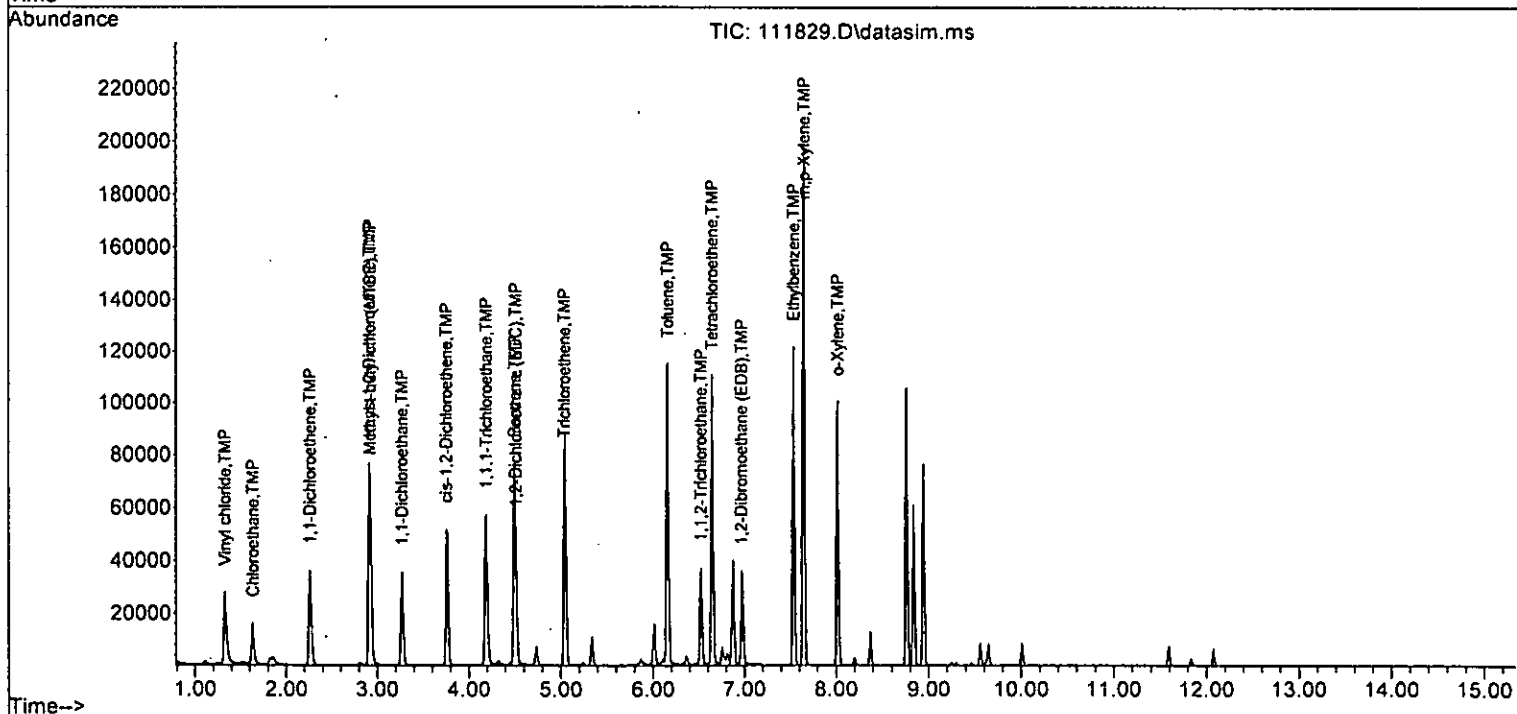
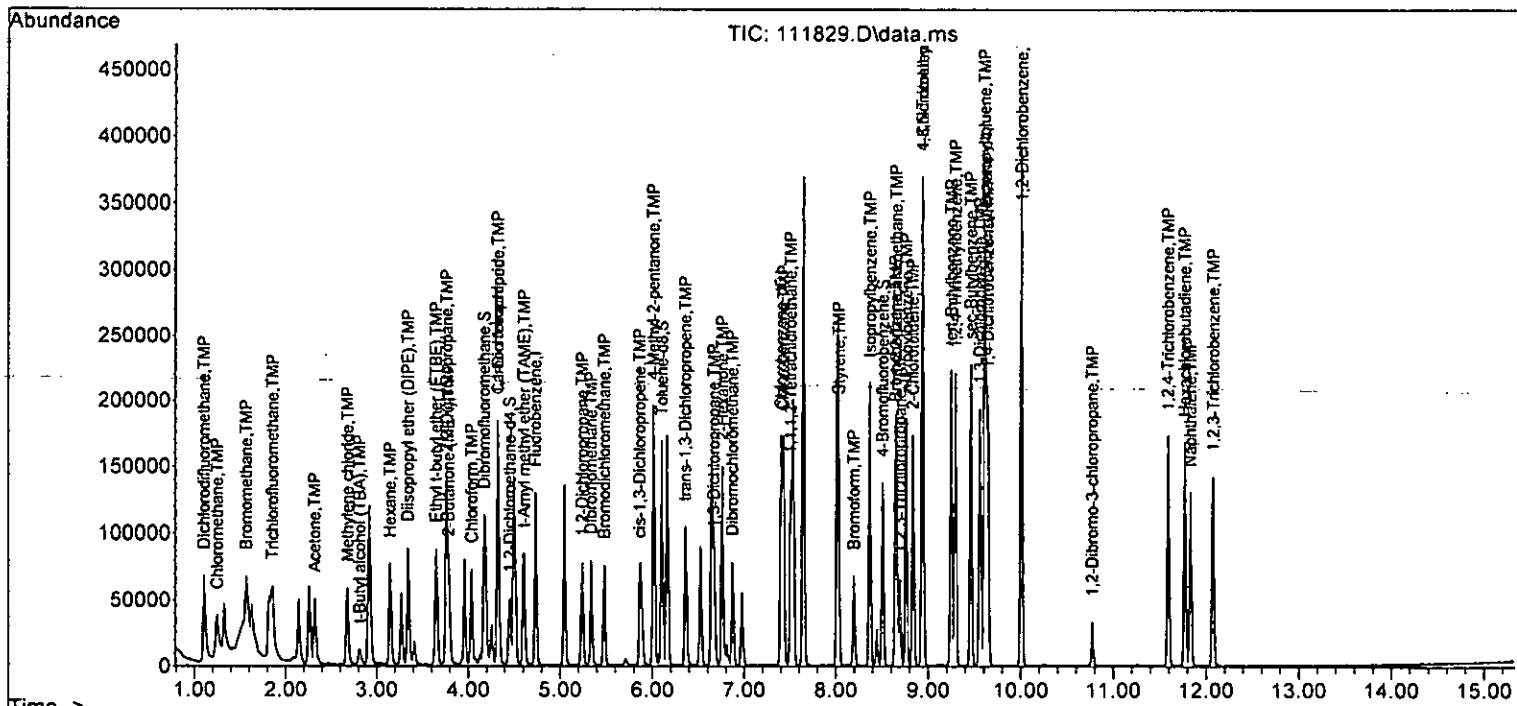
Quant Time: Nov 18 18:52:26 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	6.01	85	22417	56.166	ppb	89
38) cis-1,3-Dichloropropene	5.86	75	36652	10.819	ppb	82
40] Toluene	6.16	92	64342	9.139	ppb	93
41) trans-1,3-Dichloropropene	6.36	75	34020	10.985	ppb	91
42] 1,1,2-Trichloroethane	6.53	83	19244	8.465	ppb #	78
43) 2-Hexanone	6.76	43	85430	51.322	ppb	96
44) 1,3-Dichloropropane	6.67	76	34188	8.515	ppb	100
45] Tetrachloroethene	6.65	164	37255	10.740	ppb	92
46) Dibromochloromethane	6.87	129	39423	10.434	ppb	100
47] 1,2-Dibromoethane (EDB)	6.97	107	30080	9.527	ppb	94
48) Chlorobenzene	7.43	112	83919	9.624	ppb	92
49] Ethylbenzene	7.54	91	121968	8.921	ppb	88
50) 1,1,1,2-Tetrachloroethane	7.51	131	35277	10.392	ppb	94
51] m,p-Xylene	7.65	106	102521	19.082	ppb #	79
52] o-Xylene	8.02	106	50761	9.785	ppb #	78
53) Styrene	8.03	104	75532	9.694	ppb	93
54) Isopropylbenzene	8.37	105	122950	9.754	ppb	92
55) Bromoform	8.20	173	27373	10.425	ppb	95
58) n-Propylbenzene	8.77	91	131784	9.654	ppb	84
59) Bromobenzene	8.65	156	44483	10.505	ppb #	80
60) 1,3,5-Trimethylbenzene	8.94	105	103966	10.450	ppb	92
61) 1,1,2,2-Tetrachloroethane	8.65	83	28142	9.528	ppb	96
62) 1,2,3-Trichloropropane	8.70	75	20314	8.263	ppb	86
63) 2-Chlorotoluene	8.84	91	78701	9.627	ppb	86
64) 4-Chlorotoluene	8.94	91	91216	9.435	ppb	89
65) tert-Butylbenzene	9.25	119	105795	10.719	ppb	88
66) 1,2,4-Trimethylbenzene	9.30	105	109148	10.813	ppb	91
67) sec-Butylbenzene	9.46	105	136952	10.323	ppb	93
68) p-Isopropyltoluene	9.61	119	133660	11.074	ppb	95
69) 1,3-Dichlorobenzene	9.56	146	79529	10.283	ppb	94
70) 1,4-Dichlorobenzene	9.64	146	78922	9.980	ppb	94
71) 1,2-Dichlorobenzene	10.01	146	75765	10.301	ppb	96
72) 1,2-Dibromo-3-chloropr...	10.77	75	5396	9.890	ppb	80
73) 1,2,4-Trichlorobenzene	11.59	180	53630	10.928	ppb	97
74) Hexachlorobutadiene	11.77	225	32862	10.837	ppb	97
75) Naphthalene	11.83	128	99579	10.583	ppb	99
76) 1,2,3-Trichlorobenzene	12.08	180	45163	10.558	ppb	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111829.D
 Acq On : 18 Nov 2022 06:31 pm
 Operator : LM
 Sample : 10 ppb 8260 CCV 67-192N
 Misc : soil/water
 ALS Vial : 24 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 18 18:52:26 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-19-22\
 Data File : 111905.D
 Acq On : 19 Nov 2022 09:44 pm
 Operator : JCM
 Sample : 10 ppb 8260 CCV 67-192N
 Misc : soil/water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 19 21:57:52 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	10.000	10.000	0.0	92	-0.01
2 TMP	Ethanol	-1.000	0.000	0.0	0	-0.01
3 S	Dibromofluoromethane	10.000	10.705	-7.1	98	0.00
4 TMP	Dichlorodifluoromethane	10.000	8.274	17.3	77	0.00
5 TMP	Chloromethane	10.000	8.129	18.7	72	-0.01
6 TMP	Vinyl chloride	10.000	8.638	13.6	81	0.00
7 TMP	Bromomethane	10.000	11.960	-19.6	97	0.00
8 TMP	Chloroethane	10.000	10.122	-1.2	90	0.00
9 TMP	Trichlorofluoromethane	10.000	9.066	9.3	86	0.00
10 TMP	2-Propanol	-1.000	0.000	0.0	0	-0.01
11 TMP	Acetone	50.000	32.857	34.3#	56	0.00
12 TMP	1,1-Dichloroethene	10.000	9.808	1.9	91	0.00
13 TMP	Hexane	10.000	8.786	12.1	80	0.00
14 TMP	Methylene chloride	10.000	9.539	4.6	87	0.00
15 TMP	t-Butyl alcohol (TBA)	50.000	63.582	-27.2#	115	0.00
16 TMP	Methyl t-butyl ether (MTBE)	10.000	10.687	-6.9	97	0.00
17 TMP	trans-1,2-Dichloroethene	10.000	9.581	4.2	89	0.00
18 TMP	Diisopropyl ether (DIPE)	10.000	8.349	16.5	79	0.00
19 TMP	1,1-Dichloroethane	10.000	9.121	8.8	82	0.00
20 TMP	Ethyl t-butyl ether (ETBE)	10.000	12.289	-22.9#	117	0.00
21 TMP	2,2-Dichloropropane	10.000	14.337	-43.4#	140	-0.01
22 TMP	cis-1,2-Dichloroethene	10.000	10.191	-1.9	92	0.00
23 TMP	Chloroform	10.000	9.255	7.4	86	0.00
24 TMP	2-Butanone (MEK)	50.000	46.586	6.8	81	0.00
25 TMP	t-Amyl methyl ether (TAME)	10.000	11.536	-15.4	106	0.00
26 TMP	1,2-Dichloroethane (EDC)	10.000	9.492	5.1	83	-0.01
27 TMP	1,1,1-Trichloroethane	10.000	11.140	-11.4	104	0.00
28 TMP	1,1-Dichloropropene	10.000	9.656	3.4	87	0.00
29 TMP	Carbon tetrachloride	10.000	11.517	-15.2	109	0.00
30 S	1,2-Dichloroethane-d4	10.000	10.274	-2.7	90	0.00
31 TMP	Benzene	10.000	8.574	14.3	80	0.00
32 TMP	Trichloroethene	10.000	9.277	7.2	88	0.00
33 TMP	1,2-Dichloropropane	10.000	8.684	13.2	81	0.00
34 TMP	Bromodichloromethane	10.000	9.733	2.7	87	0.00
35 S	Toluene-d8	10.000	10.429	-4.3	94	0.00
36 TMP	Dibromomethane	10.000	9.456	5.4	87	-0.01
37 TMP	4-Methyl-2-pentanone	50.000	56.375	-12.8	101	-0.01
38 TMP	cis-1,3-Dichloropropene	10.000	10.929	-9.3	109	0.00
39 I	Chlorobenzene-d5	10.000	10.000	0.0	105	0.00
40 TMP	Toluene	10.000	8.885	11.2	91	0.00
41 TMP	trans-1,3-Dichloropropene	10.000	10.809	-8.1	121	0.00
42 TMP	1,1,2-Trichloroethane	10.000	8.074	19.3	83	0.00
43 TMP	2-Hexanone	50.000	43.410	13.2	91	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-19-22\
 Data File : 111905.D
 Acq On : 19 Nov 2022 09:44 pm
 Operator : JCM
 Sample : 10 ppb 8260 CCV 67-192N
 Misc : soil/water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 19 21:57:52 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	10.000	7.736	22.6#	81	-0.01
45 TMP Tetrachloroethene	10.000	10.550	-5.5	107	0.00
46 TMP Dibromochloromethane	10.000	10.234	-2.3	111	-0.01
47 TMP 1,2-Dibromoethane (EDB)	10.000	9.435	5.6	102	-0.01
48 TMP Chlorobenzene	10.000	9.391	6.1	102	0.00
49 TMP Ethylbenzene	10.000	8.505	14.9	92	0.00
50 TMP 1,1,1,2-Tetrachloroethane	10.000	10.461	-4.6	116	0.00
51 TMP m,p-Xylene	20.000	18.596	7.0	100	0.00
52 TMP o-Xylene	10.000	9.505	4.9	103	0.00
53 TMP Styrene	10.000	9.409	5.9	98	0.00
54 TMP Isopropylbenzene	10.000	9.417	5.8	99	0.00
55 TMP Bromoform	10.000	10.476	-4.8	115	0.00
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	106	0.00
57 S 4-Bromofluorobenzene	10.000	9.264	7.4	98	0.00
58 TMP n-Propylbenzene	10.000	8.897	11.0	92	0.00
59 TMP Bromobenzene	10.000	9.879	1.2	106	0.00
60 TMP 1,3,5-Trimethylbenzene	10.000	9.794	2.1	104	0.00
61 TMP 1,1,2,2-Tetrachloroethane	10.000	8.959	10.4	90	0.00
62 TMP 1,2,3-Trichloropropane	10.000	7.655	23.4#	83	0.00
63 TMP 2-Chlorotoluene	10.000	8.805	12.0	92	0.00
64 TMP 4-Chlorotoluene	10.000	8.740	12.6	93	0.00
65 TMP tert-Butylbenzene	10.000	9.938	0.6	109	0.00
66 TMP 1,2,4-Trimethylbenzene	10.000	10.000	0.0	105	0.00
67 TMP sec-Butylbenzene	10.000	9.525	4.7	101	0.00
68 TMP p-Isopropyltoluene	10.000	10.296	-3.0	109	0.00
69 TMP 1,3-Dichlorobenzene	10.000	9.597	4.0	104	0.00
70 TMP 1,4-Dichlorobenzene	10.000	9.446	5.5	102	0.00
71 TMP 1,2-Dichlorobenzene	10.000	9.598	4.0	101	0.00
72 TMP 1,2-Dibromo-3-chloropropane	10.000	9.425	5.7	103	0.00
73 TMP 1,2,4-Trichlorobenzene	10.000	9.703	3.0	109	0.00
74 TMP Hexachlorobutadiene	10.000	9.524	4.8	105	0.00
75 TMP Naphthalene	10.000	9.621	3.8	110	0.00
76 TMP 1,2,3-Trichlorobenzene	10.000	9.349	6.5	104	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-19-22\
 Data File : 111905.D
 Acq On : 19 Nov 2022 09:44 pm
 Operator : JCM
 Sample : 10 ppb 8260 CCV 67-192N
 Misc : soil/water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 19 21:57:52 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	1.000	1.000	0.0	92	-0.01
2 TMP	Ethanol	0.000	0.000#	0.0	0#	-0.01
3 S	Dibromofluoromethane	0.321	0.343	-6.9	98	0.00
4 TMP	Dichlorodifluoromethane	0.800	0.662	17.3	77	0.00
5 TMP	Chloromethane	0.488	0.397	18.6	72	-0.01
6 TMP	Vinyl chloride	0.510	0.440	13.7	81	0.00
7 TMP	Bromomethane	0.432	0.517	-19.7	97	0.00
8 TMP	Chloroethane	0.229	0.231	-0.9	90	0.00
9 TMP	Trichlorofluoromethane	1.123	1.018	9.3	86	0.00
10 TMP	2-Propanol	0.000	0.000	0.0	0#	-0.01
11 TMP	Acetone	0.029	0.017	41.4#	56	0.00
12 TMP	1,1-Dichloroethene	0.285	0.279	2.1	91	0.00
13 TMP	Hexane	0.323	0.284	12.1	80	0.00
14 TMP	Methylene chloride	0.289	0.287	0.7	87	0.00
15 TMP	t-Butyl alcohol (TBA)	0.024	0.031	-29.2#	115	0.00
16 TMP	Methyl t-butyl ether (MTBE)	0.666	0.712	-6.9	97	0.00
17 TMP	trans-1,2-Dichloroethene	0.318	0.305	4.1	89	0.00
18 TMP	Diisopropyl ether (DIPE)	0.698	0.583	16.5	79	0.00
19 TMP	1,1-Dichloroethane	0.463	0.423	8.6	82	0.00
20 TMP	Ethyl t-butyl ether (ETBE)	0.258	0.317	-22.9#	117	0.00
21 TMP	2,2-Dichloropropane	0.258	0.347	-34.5#	140	-0.01
22 TMP	cis-1,2-Dichloroethene	0.333	0.339	-1.8	92	0.00
23 TMP	Chloroform	0.539	0.498	7.6	86	0.00
24 TMP	2-Butanone (MEK)	0.132	0.117	11.4	81	0.00
25 TMP	t-Amyl methyl ether (TAME)	0.540	0.623	-15.4	106	0.00
26 TMP	1,2-Dichloroethane (EDC)	0.465	0.386	17.0	83	-0.01
27 TMP	1,1,1-Trichloroethane	0.482	0.537	-11.4	104	0.00
28 TMP	1,1-Dichloropropene	0.370	0.349	5.7	87	0.00
29 TMP	Carbon tetrachloride	0.485	0.559	-15.3	109	0.00
30 S	1,2-Dichloroethane-d4	0.062	0.064	-3.2	90	0.00
31 TMP	Benzene	1.118	0.959	14.2	80	0.00
32 TMP	Trichloroethene	0.367	0.340	7.4	88	0.00
33 TMP	1,2-Dichloropropane	0.241	0.209	13.3	81	0.00
34 TMP	Bromodichloromethane	0.387	0.376	2.8	87	0.00
35 S	Toluene-d8	0.954	0.995	-4.3	94	0.00
36 TMP	Dibromomethane	0.219	0.208	5.0	87	-0.01
37 TMP	4-Methyl-2-pentanone	0.042	0.048	-14.3	101	-0.01
38 TMP	cis-1,3-Dichloropropene	0.360	0.394	-9.4	109	0.00
39 I	Chlorobenzene-d5	1.000	1.000	0.0	105	0.00
40 TMP	Toluene	0.907	0.712	21.5#	91	0.00
41 TMP	trans-1,3-Dichloropropene	0.366	0.381	-4.1	121	0.00
42 TMP	1,1,2-Trichloroethane	0.285	0.209	26.7#	83	0.00
43 TMP	2-Hexanone	0.190	0.165	13.2	91	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-19-22\
 Data File : 111905.D
 Acq On : 19 Nov 2022 09:44 pm
 Operator : JCM
 Sample : 10 ppb 8260 CCV 67-192N
 Misc : soil/water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 19 21:57:52 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.457	0.354	22.5#	81	-0.01
45 TMP Tetrachloroethene	0.460	0.417	9.3	107	0.00
46 TMP Dibromochloromethane	0.451	0.440	2.4	111	-0.01
47 TMP 1,2-Dibromoethane (EDB)	0.360	0.339	5.8	102	-0.01
48 TMP Chlorobenzene	0.993	0.933	6.0	102	0.00
49 TMP Ethylbenzene	1.557	1.324	15.0	92	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.387	0.404	-4.4	116	0.00
51 TMP m,p-Xylene	0.612	0.569	7.0	100	0.00
52 TMP o-Xylene	0.591	0.561	5.1	103	0.00
53 TMP Styrene	0.887	0.835	5.9	98	0.00
54 TMP Isopropylbenzene	1.435	1.352	5.8	99	0.00
55 TMP Bromoform	0.299	0.313	-4.7	115	0.00
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	106	0.00
57 S 4-Bromofluorobenzene	0.689	0.638	7.4	98	0.00
58 TMP n-Propylbenzene	2.700	2.402	11.0	92	0.00
59 TMP Bromobenzene	0.837	0.827	1.2	106	0.00
60 TMP 1,3,5-Trimethylbenzene	1.968	1.927	2.1	104	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.626	0.524	16.3	90	0.00
62 TMP 1,2,3-Trichloropropane	0.486	0.372#	23.5#	83	0.00
63 TMP 2-Chlorotoluene	1.617	1.424	11.9	92	0.00
64 TMP 4-Chlorotoluene	1.912	1.671	12.6	93	0.00
65 TMP tert-Butylbenzene	1.952	1.940	0.6	109	0.00
66 TMP 1,2,4-Trimethylbenzene	1.996	1.996	0.0	105	0.00
67 TMP sec-Butylbenzene	2.624	2.499	4.8	101	0.00
68 TMP p-Isopropyltoluene	2.387	2.457	-2.9	109	0.00
69 TMP 1,3-Dichlorobenzene	1.530	1.468	4.1	104	0.00
70 TMP 1,4-Dichlorobenzene	1.564	1.477	5.6	102	0.00
71 TMP 1,2-Dichlorobenzene	1.455	1.396	4.1	101	0.00
72 TMP 1,2-Dibromo-3-chloropropane	0.108	0.102	5.6	103	0.00
73 TMP 1,2,4-Trichlorobenzene	0.971	0.942	3.0	109	0.00
74 TMP Hexachlorobutadiene	0.600	0.571	4.8	105	0.00
75 TMP Naphthalene	1.833	1.787	2.5	110	0.00
76 TMP 1,2,3-Trichlorobenzene	0.846	0.791	6.5	104	0.00

(#) = Out of Range

SPCC's out = 2 CCC's out = 0

Data Path : D:\Proc_GCMS13\11-19-22\
 Data File : 111905.D
 Acq On : 19 Nov 2022 09:44 pm
 Operator : JCM
 Sample : 10 ppb 8260 CCV 67-192N
 Misc : soil/water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 19 21:57:52 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	4.73	96	95664	10.000	ppb	-0.01
39) Chlorobenzene-d5	7.40	117	91826	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	54387	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.17	113	32841	10.705	ppb	0.00
Spiked Amount	10.000	Range	50 - 150	Recovery	=	107.00%
30) 1,2-Dichloroethane-d4	4.45	102	6108	10.274	ppb	0.00
Spiked Amount	10.000	Range	84 - 120	Recovery	=	102.70%
35) Toluene-d8	6.11	98	95147	10.429	ppb	0.00
Spiked Amount	10.000	Range	73 - 128	Recovery	=	104.30%
57) 4-Bromofluorobenzene	8.51	95	34716	9.264	ppb	0.00
Spiked Amount	10.000	Range	57 - 146	Recovery	=	92.60%
Target Compounds						
2) Ethanol	2.32	45	296	No Calib		Qvalue
4) Dichlorodifluoromethane	1.12	85	63328	8.274	ppb	94
5) Chloromethane	1.25	50	37964	8.129	ppb	95
6] Vinyl chloride	1.34	62	42121	8.638	ppb	97
7) Bromomethane	1.58	94	49431	11.960	ppb	91
8] Chloroethane	1.65	64	22143	10.122	ppb	97
9) Trichlorofluoromethane	1.83	101	97404	9.066	ppb	99
10] 2-Propanol	2.32	45	296	No Calib	#	
11) Acetone	2.33	58	8355	32.857	ppb	91
12] 1,1-Dichloroethene	2.27	96	26732	9.808	ppb	96
13) Hexane	3.16	57	27173	8.786	ppb	97
14) Methylene chloride	2.68	84	27496	9.539	ppb	94
15) t-Butyl alcohol (TBA)	2.82	59	14599	63.582	ppb	93
16] Methyl t-butyl ether (...)	2.93	73	68069	10.687	ppb	97
17] trans-1,2-Dichloroethene	2.92	96	29188	9.581	ppb	94
18) Diisopropyl ether (DIPE)	3.35	45	55729	8.349	ppb	95
19] 1,1-Dichloroethane	3.27	63	40436	9.121	ppb	98
20] Ethyl t-butyl ether (E...)	3.66	87	30286	12.289	ppb	87
21) 2,2-Dichloropropane	3.76	77	33175	14.337	ppb	96
22] cis-1,2-Dichloroethene	3.77	96	32477	10.191	ppb	91
23) Chloroform	4.04	83	47686	9.255	ppb	99
24) 2-Butanone (MEK)	3.79	43	55941	46.586	ppb	97
25) t-Amyl methyl ether (T...)	4.61	73	59638	11.536	ppb	92
26] 1,2-Dichloroethane (EDC)	4.52	62	36914	9.492	ppb	94
27] 1,1,1-Trichloroethane	4.19	97	51350	11.140	ppb	95
28) 1,1-Dichloropropene	4.33	75	33387	9.656	ppb	89
29) Carbon tetrachloride	4.33	117	53447	11.517	ppb	95
31] Benzene	4.50	78	91726	8.574	ppb	100
32] Trichloroethene	5.05	95	32529	9.277	ppb	# 61
33) 1,2-Dichloropropane	5.24	63	20016	8.684	ppb	91
34) Bromodichloromethane	5.48	83	35998	9.733	ppb	94
36) Dibromomethane	5.34	93	19853	9.456	ppb	# 77

Data Path : D:\Proc_GCMS13\11-19-22\
 Data File : 111905.D
 Acq On : 19 Nov 2022 09:44 pm
 Operator : JCM
 Sample : 10 ppb 8260 CCV 67-192N
 Misc : soil/water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS13

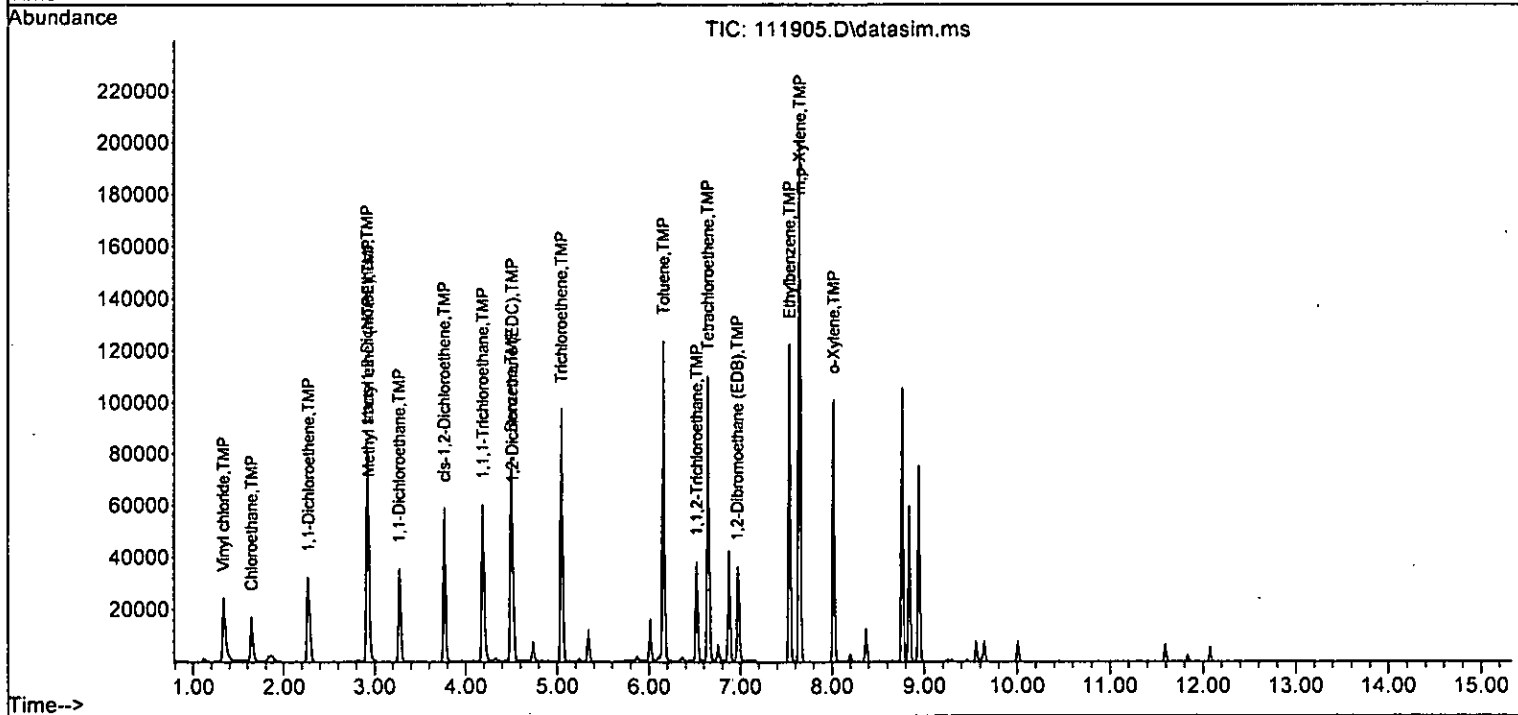
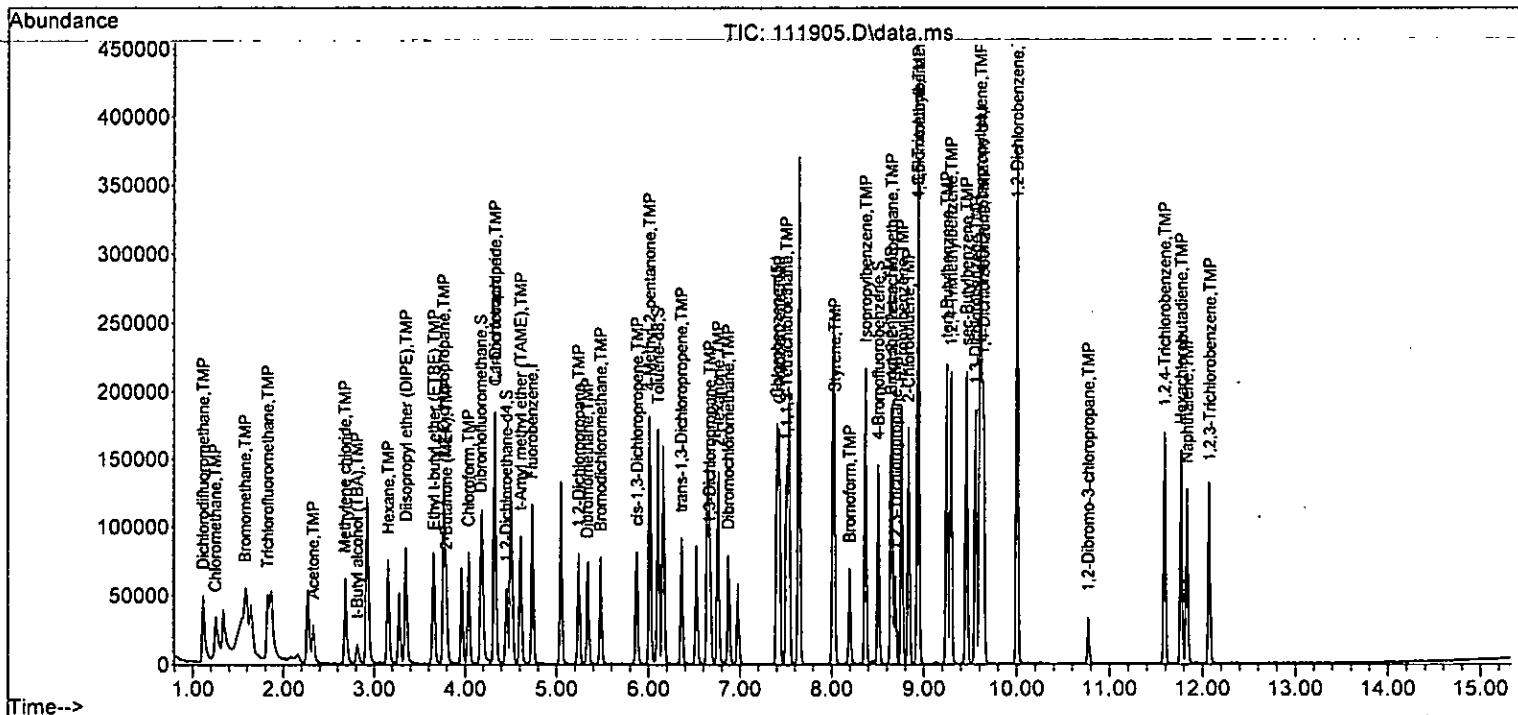
Quant Time: Nov 19 21:57:52 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	6.01	85	22880	56.375	ppb	87
38) cis-1,3-Dichloropropene	5.88	75	37648	10.929	ppb	93
40] Toluene	6.16	92	65411	8.885	ppb	92
41) trans-1,3-Dichloropropene	6.36	75	34998	10.809	ppb	95
42] 1,1,2-Trichloroethane	6.53	83	19196	8.074	ppb #	78
43) 2-Hexanone	6.76	43	75560	43.410	ppb	96
44) 1,3-Dichloropropane	6.67	76	32480	7.736	ppb	100
45] Tetrachloroethene	6.65	164	38263	10.550	ppb	93
46) Dibromochloromethane	6.87	129	40430	10.234	ppb	95
47] 1,2-Dibromoethane (EDB)	6.97	107	31150	9.435	ppb	93
48) Chlorobenzene	7.43	112	85630	9.391	ppb	87
49] Ethylbenzene	7.54	91	121594	8.505	ppb	87
50) 1,1,1,2-Tetrachloroethane	7.51	131	37133	10.461	ppb	97
51] m,p-Xylene	7.65	106	104471	18.596	ppb #	76
52] o-Xylene	8.02	106	51557	9.505	ppb #	75
53) Styrene	8.03	104	76662	9.409	ppb	91
54) Isopropylbenzene	8.37	105	124129	9.417	ppb	92
55) Bromoform	8.20	173	28765	10.476	ppb	98
58) n-Propylbenzene	8.77	91	130639	8.897	ppb	82
59) Bromobenzene	8.65	156	44997	9.879	ppb #	78
60) 1,3,5-Trimethylbenzene	8.94	105	104814	9.794	ppb	91
61) 1,1,2,2-Tetrachloroethane	8.65	83	28484	8.959	ppb	97
62) 1,2,3-Trichloropropane	8.70	75	20244	7.655	ppb	90
63) 2-Chlorotoluene	8.84	91	77424	8.805	ppb	84
64) 4-Chlorotoluene	8.94	91	90888	8.740	ppb	92
65) tert-Butylbenzene	9.25	119	105497	9.938	ppb	86
66) 1,2,4-Trimethylbenzene	9.30	105	108574	10.000	ppb	90
67) sec-Butylbenzene	9.46	105	135922	9.525	ppb	91
68) p-Isopropyltoluene	9.61	119	133656	10.296	ppb	94
69) 1,3-Dichlorobenzene	9.56	146	79836	9.597	ppb	95
70) 1,4-Dichlorobenzene	9.64	146	80347	9.446	ppb	94
71) 1,2-Dichlorobenzene	10.00	146	75929	9.598	ppb	99
72) 1,2-Dibromo-3-chloropr...	10.77	75	5531	9.425	ppb #	74
73) 1,2,4-Trichlorobenzene	11.59	180	51214	9.703	ppb	100
74) Hexachlorobutadiene	11.77	225	31065	9.524	ppb	97
75) Naphthalene	11.83	128	97164	9.621	ppb	98
76) 1,2,3-Trichlorobenzene	12.08	180	43014	9.349	ppb	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS13\11-19-22\
 Data File : 111905.D
 Acq On : 19 Nov 2022 09:44 pm
 Operator : JCM
 Sample : 10 ppb 8260 CCV 67-192N
 Misc : soil/water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 19 21:57:52 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

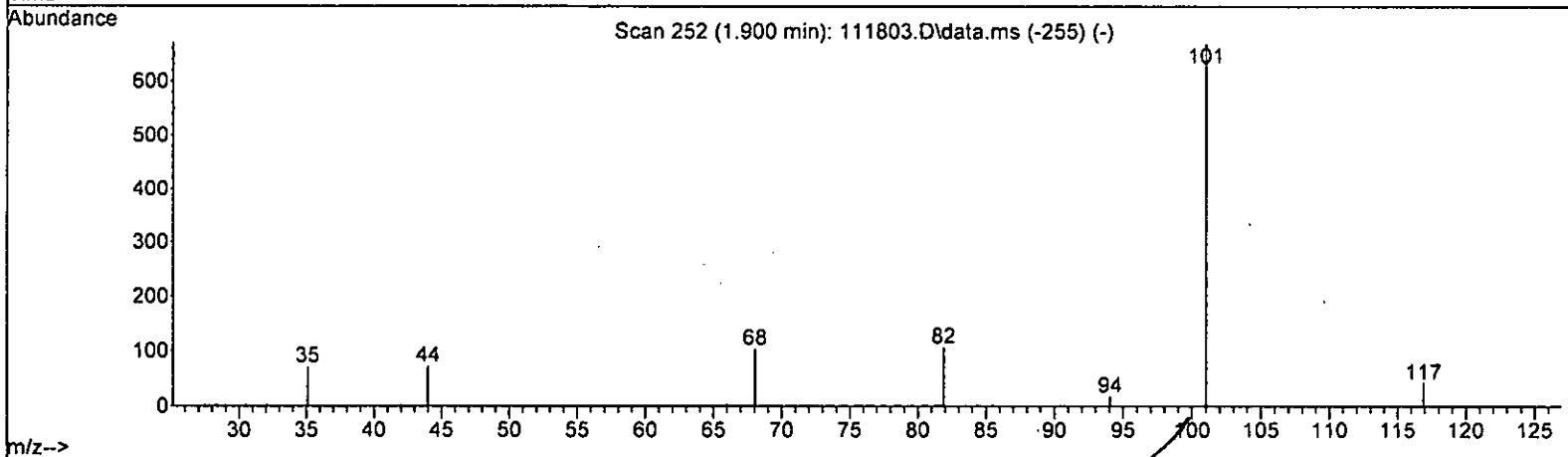
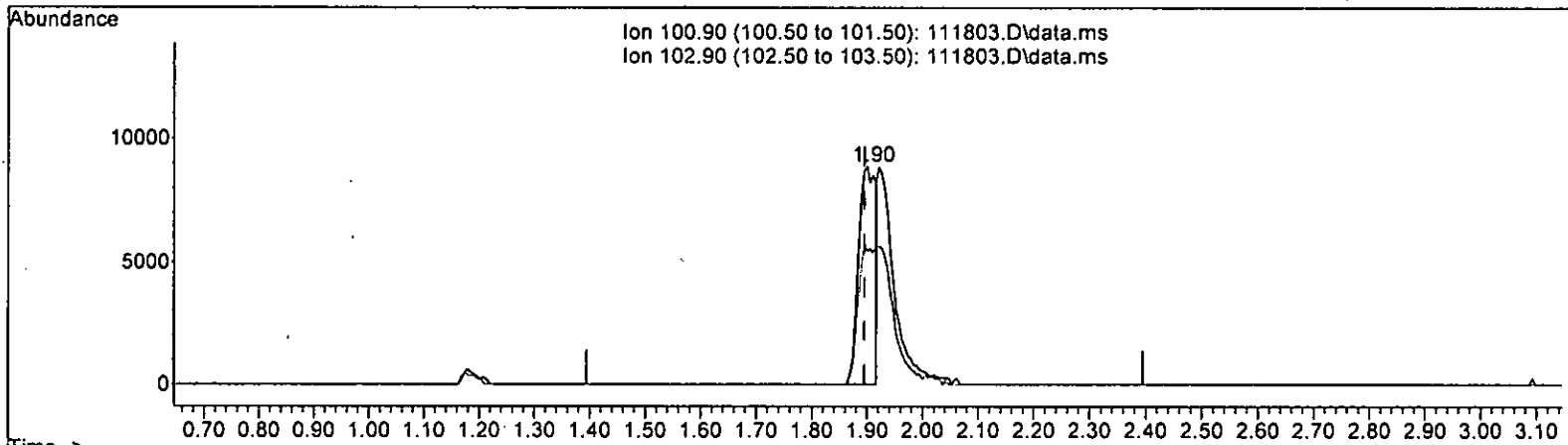


EPA 8260D
Quality Assurance Data

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS4\11-18-22\
 Data File : 111803.D
 Acq On : 18 Nov 2022 6:13 am
 Operator : lm
 Sample : 02-2768 lcs
 Misc : soil
 ALS Vial : 3 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 18 07:07:43 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



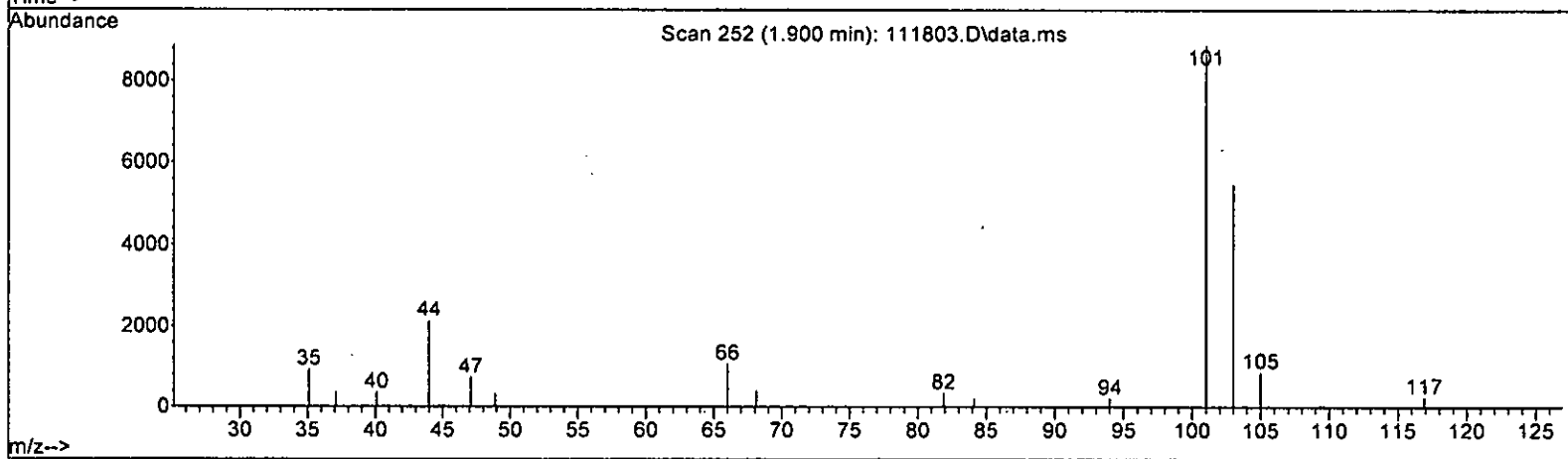
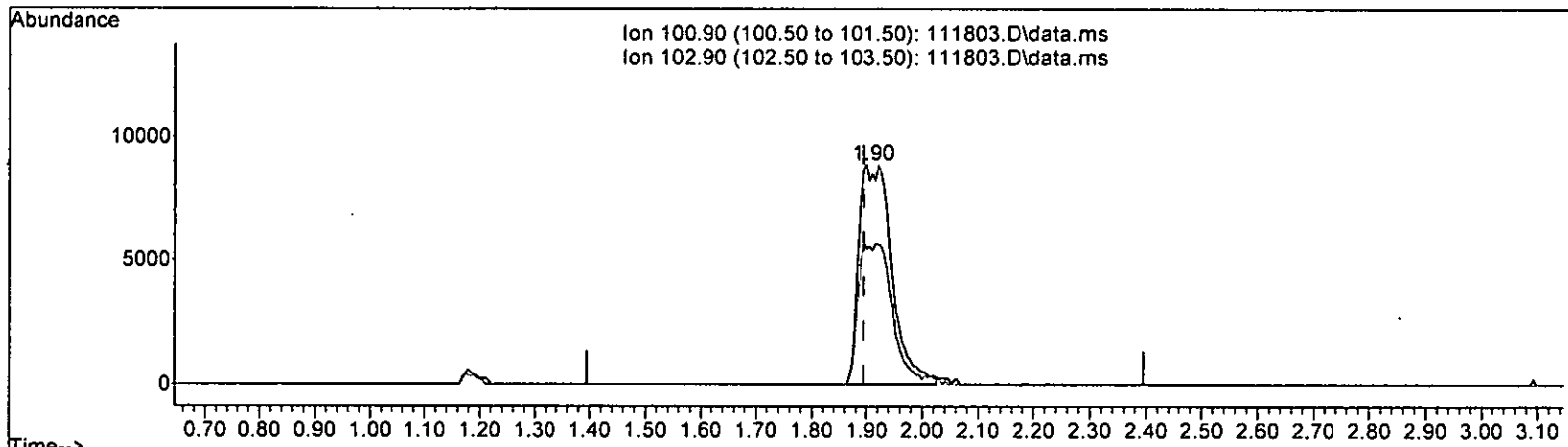
TIC: 111803.D\data.ms *lm 11.18.22*

(9) Trichlorofluoromethane (TMP)		
1.900min (+ 0.005) 5.579 ppb		
response	18837	
Ion	Exp%	Act%
100.90	100.00	100.00
102.90	61.00	61.48
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS4\11-18-22\
 Data File : 111803.D
 Acq On : 18 Nov 2022 6:13 am
 Operator : lm
 Sample : 02-2768 lcs
 Misc : soil
 ALS Vial : 3 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 18 07:07:43 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



TIC: 111803.D\data.ms

(9) Trichlorofluoromethane (TMP) *11.18.22*

1.900min (+ 0.005) 10.907 ppb m

response 36830

Ion	Exp%	Act%
100.90	100.00	100.00
102.90	61.00	61.48
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Y:\Proc_GCMS4\11-18-22\
 Data File : 111803.D
 Acq On : 18 Nov 2022 6:13 am
 Operator : lm
 Sample : 02-2768 lcs
 Misc : soil
 ALS Vial : 3 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 18 07:07:43 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	4.78	96	60116	10.000	ppb	0.00	
39) Chlorobenzene-d5	7.43	117	56333	10.000	ppb	0.00	
56) 1,4-Dichlorobenzene-d4	9.65	152	38305	10.000	ppb	0.00	
System Monitoring Compounds							
3) Dibromofluoromethane	4.21	113	17530	10.608	ppb	0.00	
Spiked Amount	10.000	Range 0 - 1000	Recovery	=	106.10%		
30) 1,2-Dichloroethane-d4	4.49	102	3641	9.539	ppb	0.00	
Spiked Amount	10.000	Range 90 - 109	Recovery	=	95.40%		
35) Toluene-d8	6.14	98	64147	10.652	ppb	0.00	
Spiked Amount	10.000	Range 89 - 112	Recovery	=	106.50%		
57) 4-Bromofluorobenzene	8.54	95	25664	9.554	ppb	0.00	
Spiked Amount	10.000	Range 84 - 115	Recovery	=	95.50%		
Target Compounds							
2) Ethanol	1.09	45	109	No Calib	#		Qvalue
4) Dichlorodifluoromethane	1.18	85	13438	5.457	ppb		95
5) Chloromethane	1.32	50	17810	7.801	ppb		96
6) Vinyl chloride	1.40	62	19475	8.992	ppb		96
7) Bromomethane	1.64	94	15300	15.192	ppb		97
8) Chloroethane	1.71	64	11792	10.382	ppb		93
9) Trichlorofluoromethane	1.90	101	36830m	10.907	ppb		
10) 2-Propanol	2.99	45	2955	No Calib			
11) Acetone	2.39	58	17343	107.426	ppb		95
12) 1,1-Dichloroethene	2.33	96	20549	10.253	ppb	#	80
13) Hexane	3.21	57	20594	9.830	ppb		91
14) Methylene chloride	2.74	84	25094	11.728	ppb	#	82
15) t-Butyl alcohol (TBA)	2.87	59	17800	57.791	ppb		98
16) Methyl t-butyl ether (...)	2.99	73	64673	11.074	ppb		94
17) trans-1,2-Dichloroethene	2.97	96	22003	10.372	ppb		83
18) Diisopropyl ether (DIPE)	3.40	45	55886	10.462	ppb		90
19) 1,1-Dichloroethane	3.32	63	34933	10.846	ppb		98
20) Ethyl t-butyl ether (E...)	3.70	87	27573	10.793	ppb		87
21) 2,2-Dichloropropane	3.81	77	25899	12.523	ppb		96
22) cis-1,2-Dichloroethene	3.81	96	24964	10.871	ppb		84
23) Chloroform	4.08	83	38951	11.161	ppb		100
24) 2-Butanone (MEK)	3.83	43	65029	58.126	ppb		94
25) t-Amyl methyl ether (T...)	4.65	73	62940	10.865	ppb		97
26) 1,2-Dichloroethane (EDC)	4.55	62	29620	11.245	ppb		98
27) 1,1,1-Trichloroethane	4.23	97	35171	10.989	ppb		95
28) 1,1-Dichloropropene	4.37	75	29569	10.976	ppb		89
29) Carbon tetrachloride	4.37	117	32803	11.386	ppb		92
31) Benzene	4.54	78	85466	11.058	ppb		94
32) Trichloroethene	5.09	95	24663	11.002	ppb		77
33) 1,2-Dichloropropane	5.27	63	19898	11.638	ppb		97
34) Bromodichloromethane	5.51	83	28466	10.969	ppb		95
36) Dibromomethane	5.37	93	15251	11.760	ppb	#	81

Data Path : Y:\Proc_GCMS4\11-18-22\
 Data File : 111803.D
 Acq On : 18 Nov 2022 6:13 am
 Operator : lm
 Sample : 02-2768 lcs
 Misc : soil
 ALS Vial : 3 Sample Multiplier: 1
 InstName : GCMS4

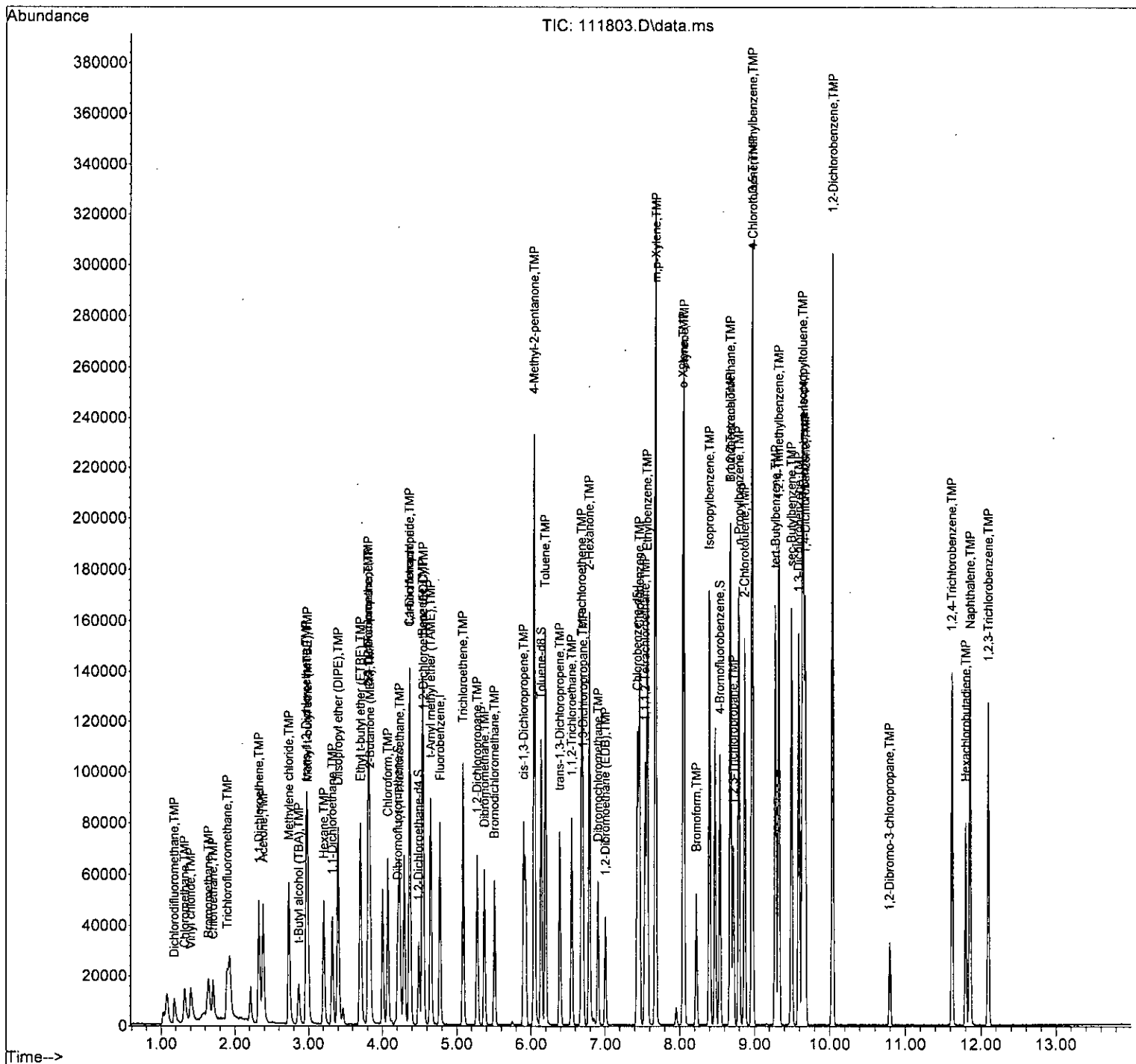
Quant Time: Nov 18 07:07:43 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	6.04	85	25968	56.178	ppb	# 77
38) cis-1,3-Dichloropropene	5.90	75	33419	11.025	ppb	93
40) Toluene	6.19	92	54929	10.076	ppb	97
41) trans-1,3-Dichloropropene	6.39	75	30994	9.951	ppb	93
42) 1,1,2-Trichloroethane	6.55	83	16890	10.230	ppb	88
43) 2-Hexanone	6.79	43	83017	45.991	ppb	96
44) 1,3-Dichloropropane	6.70	76	31494	9.980	ppb	100
45) Tetrachloroethene	6.69	164	26030	10.725	ppb	97
46) Dibromochloromethane	6.91	129	26153	10.993	ppb	96
47) 1,2-Dibromoethane (ED8)	7.00	107	23589	10.516	ppb	94
48) Chlorobenzene	7.46	112	67128	10.379	ppb	88
49) Ethylbenzene	7.56	91	105103	10.111	ppb	93
50) 1,1,1,2-Tetrachloroethane	7.54	131	25216	10.519	ppb	98
51) m,p-Xylene	7.68	106	86528	20.592	ppb	84
52) o-Xylene	8.05	106	44220	10.591	ppb	85
53) Styrene	8.06	104	69367	9.788	ppb	92
54) Isopropylbenzene	8.40	105	104346	9.863	ppb	93
55) Bromoform	8.22	173	21864	11.317	ppb	97
58) n-Propylbenzene	8.79	91	118463	9.771	ppb	91
59) Bromobenzene	8.68	156	35068	9.996	ppb	# 79
60) 1,3,5-Trimethylbenzene	8.97	105	89573	10.009	ppb	90
61) 1,1,2,2-Tetrachloroethane	8.68	83	30260	9.800	ppb	97
62) 1,2,3-Trichloropropane	8.72	75	23675	10.124	ppb	95
63) 2-Chlorotoluene	8.87	91	71746	9.913	ppb	87
64) 4-Chlorotoluene	8.97	91	85414	9.896	ppb	83
65) tert-Butylbenzene	9.28	119	79781	10.099	ppb	83
66) 1,2,4-Trimethylbenzene	9.32	105	93684	10.052	ppb	92
67) sec-Butylbenzene	9.49	105	105430	9.940	ppb	92
68) p-Isopropyltoluene	9.64	119	97376	10.065	ppb	92
69) 1,3-Dichlorobenzene	9.59	146	64225	10.324	ppb	94
70) 1,4-Dichlorobenzene	9.67	146	63190	9.847	ppb	97
71) 1,2-Dichlorobenzene	10.03	146	61986	10.146	ppb	93
72) 1,2-Dibromo-3-chloropr...	10.79	75	6152	9.610	ppb	76
73) 1,2,4-Trichlorobenzene	11.62	180	44713	9.725	ppb	99
74) Hexachlorobutadiene	11.80	225	17436	9.838	ppb	97
75) Naphthalene	11.86	128	108136	9.548	ppb	99
76) 1,2,3-Trichlorobenzene	12.10	180	41536	9.545	ppb	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS4\11-18-22\
 Data File : 111803.D
 Acq On : 18 Nov 2022 6:13 am
 Operator : lm
 Sample : 02-2768 lcs
 Misc : soil
 ALS Vial : 3 Sample Multiplier: 1
 InstName : GCMS4

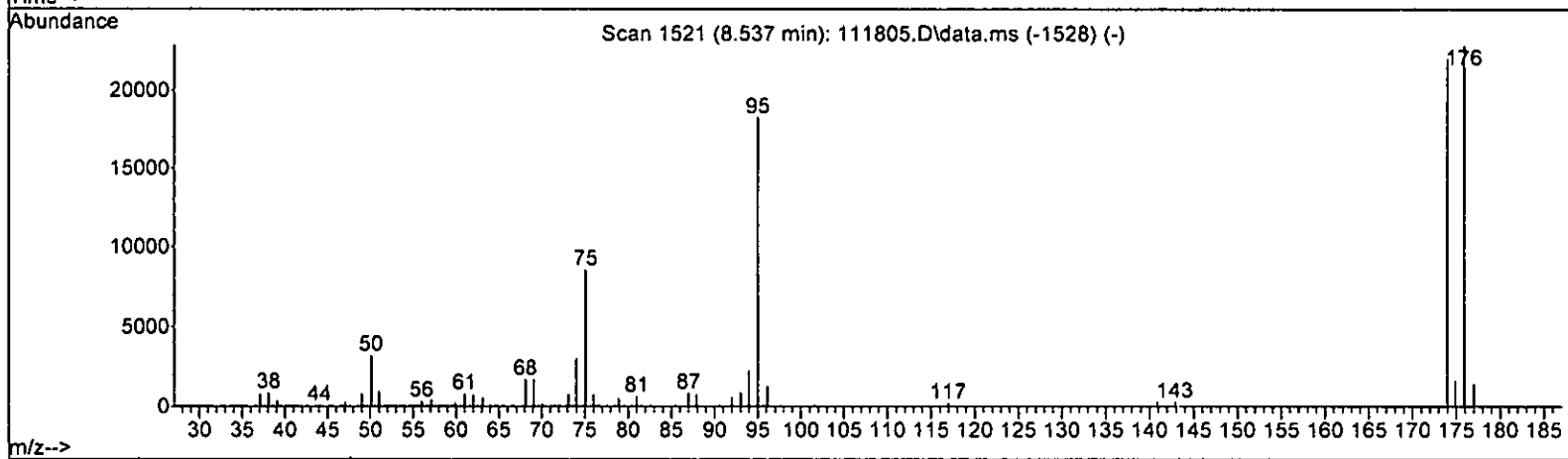
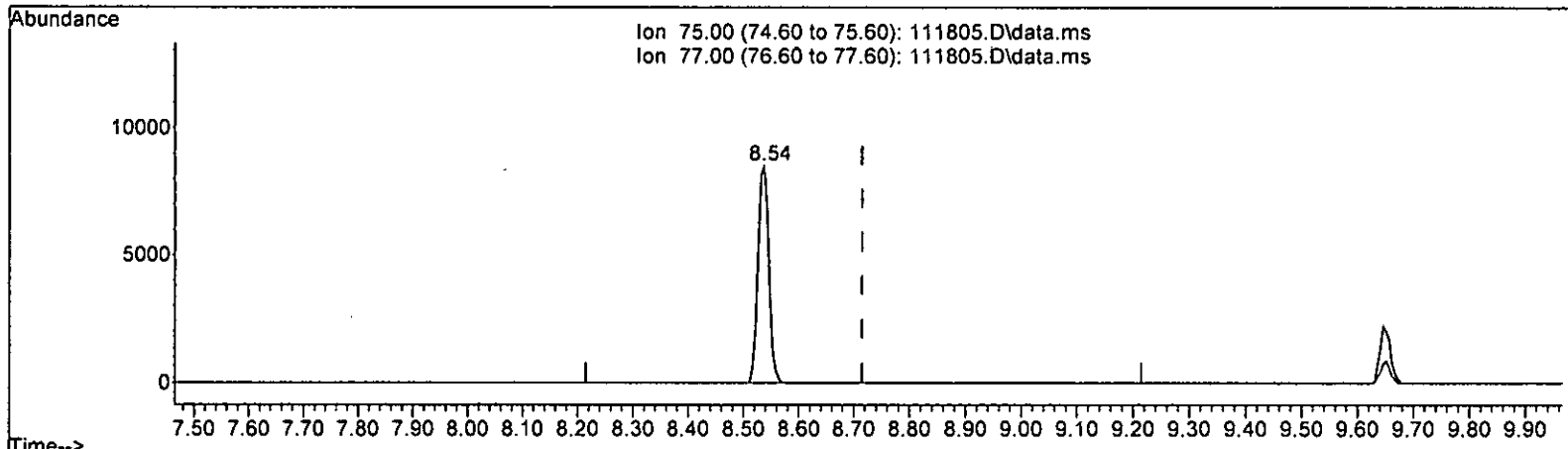
Quant Time: Nov 18 07:07:43 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS4\11-18-22\
 Data File : 111805.D
 Acq On : 18 Nov 2022 7:01 am
 Operator : lm
 Sample : 02-2768 mb
 Misc : soil
 ALS Vial : 5 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 18 07:12:33 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



TIC: 111805.D\data.ms

(62) 1,2,3-Trichloropropane (TMP)

8.537min (-0.178) 5.238 ppb

response	11523
Ion	Exp% Act%
75.00	100.00 100.00
77.00	32.90 0.00#
0.00	0.00 0.00
0.00	0.00 0.00

Data Path : Y:\Proc_GCMS4\11-18-22\
 Data File : 111805.D
 Acq On : 18 Nov 2022 7:01 am
 Operator : lm
 Sample : 02-2768 mb
 Misc : soil
 ALS Vial : 5 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 18 07:12:33 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

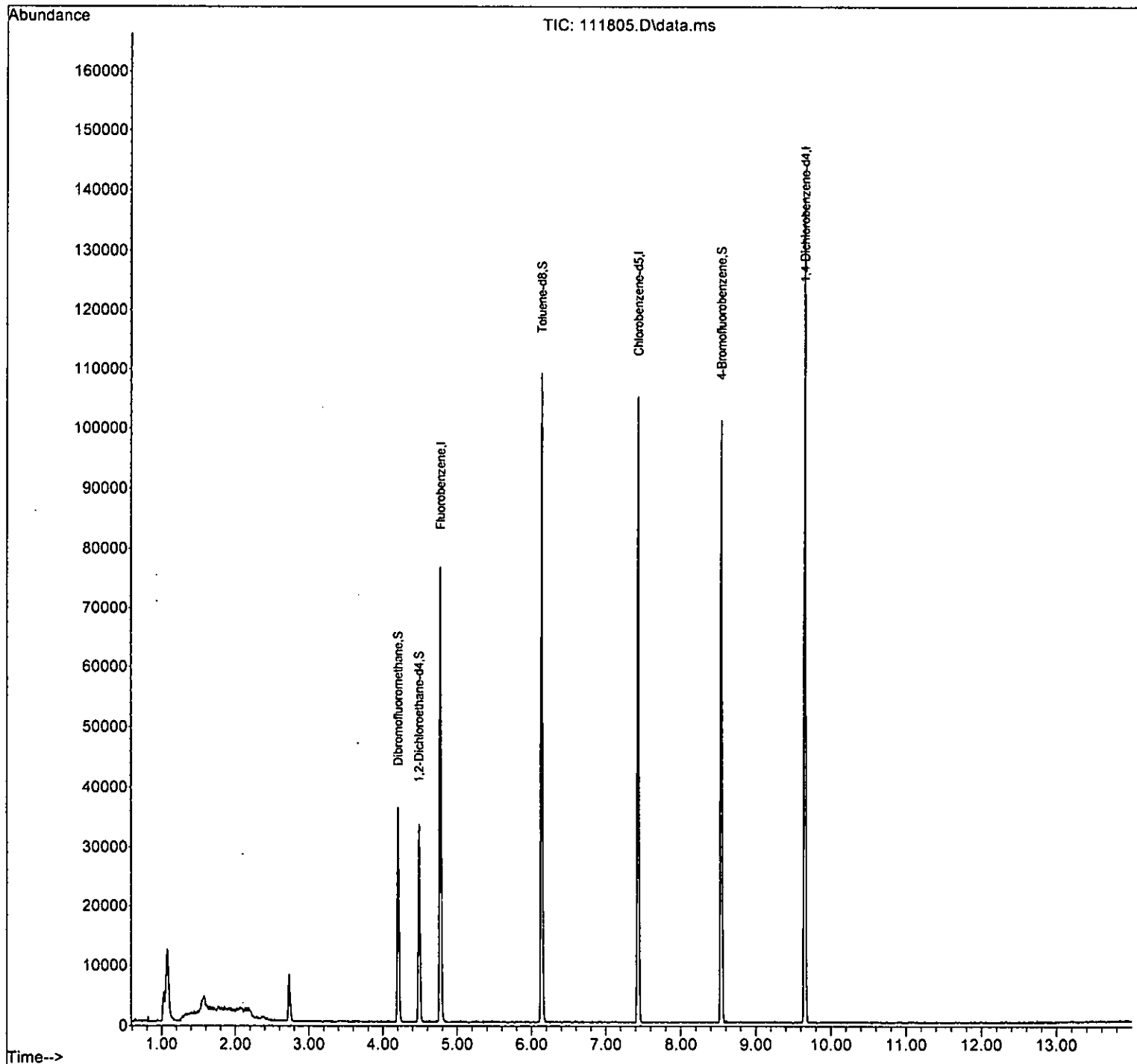
Internal Standards						
1) Fluorobenzene	4.78	96	59147	10.000	ppb	0.00
39) Chlorobenzene-d5	7.43	117	53905	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.65	152	36036	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.21	113	17050	10.486	ppb	0.00
Spiked Amount	10.000	Range	0 - 1000	Recovery	=	104.90%
30) 1,2-Dichloroethane-d4	4.49	102	3709	9.876	ppb	0.00
Spiked Amount	10.000	Range	90 - 109	Recovery	=	98.80%
35) Toluene-d8	6.14	98	61559	10.390	ppb	0.00
Spiked Amount	10.000	Range	89 - 112	Recovery	=	103.90%
57) 4-Bromofluorobenzene	8.54	95	24273	9.605	ppb	0.00
Spiked Amount	10.000	Range	84 - 115	Recovery	=	96.00%

Target Compounds Qvalue

 (#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS4\11-18-22\
 Data File : 111805.D
 Acq On : 18 Nov 2022 7:01 am
 Operator : lm
 Sample : 02-2768 mb
 Misc : soil
 ALS Vial : 5 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 18 07:12:33 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



Data Path : Y:\Proc_GCMS4\11-18-22\
 Data File : 111805.D
 Acq On : 18 Nov 2022 7:01 am
 Operator : lm
 Sample : 02-2768 mb
 Misc : soil
 ALS Vial : 5 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 18 07:12:33 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 Qlast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	4.78	96	59147	10.000	ppb	0.00	
39) Chlorobenzene-d5	7.43	117	53905	10.000	ppb	0.00	
56) 1,4-Dichlorobenzene-d4	9.65	152	36036	10.000	ppb	0.00	
System Monitoring Compounds							
3) Dibromofluoromethane	4.21	113	17050	10.486	ppb	0.00	
Spiked Amount	10.000	Range 0 - 1000	Recovery =	104.90%			
30) 1,2-Dichloroethane-d4	4.49	102	3709	9.876	ppb	0.00	
Spiked Amount	10.000	Range 90 - 109	Recovery =	98.80%			
35) Toluene-d8	6.14	98	61559	10.390	ppb	0.00	
Spiked Amount	10.000	Range 89 - 112	Recovery =	103.90%			
57) 4-Bromofluorobenzene	8.54	95	24273	9.605	ppb	0.00	
Spiked Amount	10.000	Range 84 - 115	Recovery =	96.00%			
Target Compounds							
2) Ethanol	1.07	45	118	No Calib			Qvalue #
4) Dichlorodifluoromethane	0.00		0	N.D.			
5) Chloromethane	0.00		0	N.D.			
6) Vinyl chloride	0.00		0	N.D.			
7) Bromomethane	0.00		0	N.D.			
8) Chloroethane	0.00		0	N.D.			
9) Trichlorofluoromethane	0.00		0	N.D.			
10) 2-Propanol	0.00		0	N.D.			
11) Acetone	0.00		0	N.D.			
12) 1,1-Dichloroethene	0.00		0	N.D.			
13) Hexane	0.00		0	N.D.			
14) Methylene chloride	2.73	84	3593	N.D.			
15) t-Butyl alcohol (TBA)	0.00		0	N.D.			
16) Methyl t-butyl ether (...)	0.00		0	N.D.			
17) trans-1,2-Dichloroethene	0.00		0	N.D.			
18) Diisopropyl ether (DIPE)	0.00		0	N.D.			
19) 1,1-Dichloroethane	0.00		0	N.D.			
20) Ethyl t-butyl ether (E...)	0.00		0	N.D.			
21) 2,2-Dichloropropane	0.00		0	N.D.			
22) cis-1,2-Dichloroethene	0.00		0	N.D.			
23) Chloroform	0.00		0	N.D.			
24) 2-Butanone (MEK)	0.00		0	N.D.			
25) t-Amyl methyl ether (T...)	0.00		0	N.D.			
26) 1,2-Dichloroethane (EDC)	0.00		0	N.D.			
27) 1,1,1-Trichloroethane	0.00		0	N.D.			
28) 1,1-Dichloropropene	0.00		0	N.D.			
29) Carbon tetrachloride	0.00		0	N.D.			
31) Benzene	0.00		0	N.D.			
32) Trichloroethene	0.00		0	N.D.			
33) 1,2-Dichloropropane	0.00		0	N.D.			
34) Bromodichloromethane	0.00		0	N.D.			
36) Dibromomethane	0.00		0	N.D.			

Data Path : Y:\Proc_GCMS4\11-18-22\
 Data File : 111805.D
 Acq On : 18 Nov 2022 7:01 am
 Operator : lm
 Sample : 02-2768 mb
 Misc : soil
 ALS Vial : 5 Sample Multiplier: 1
 InstName : GCMS4

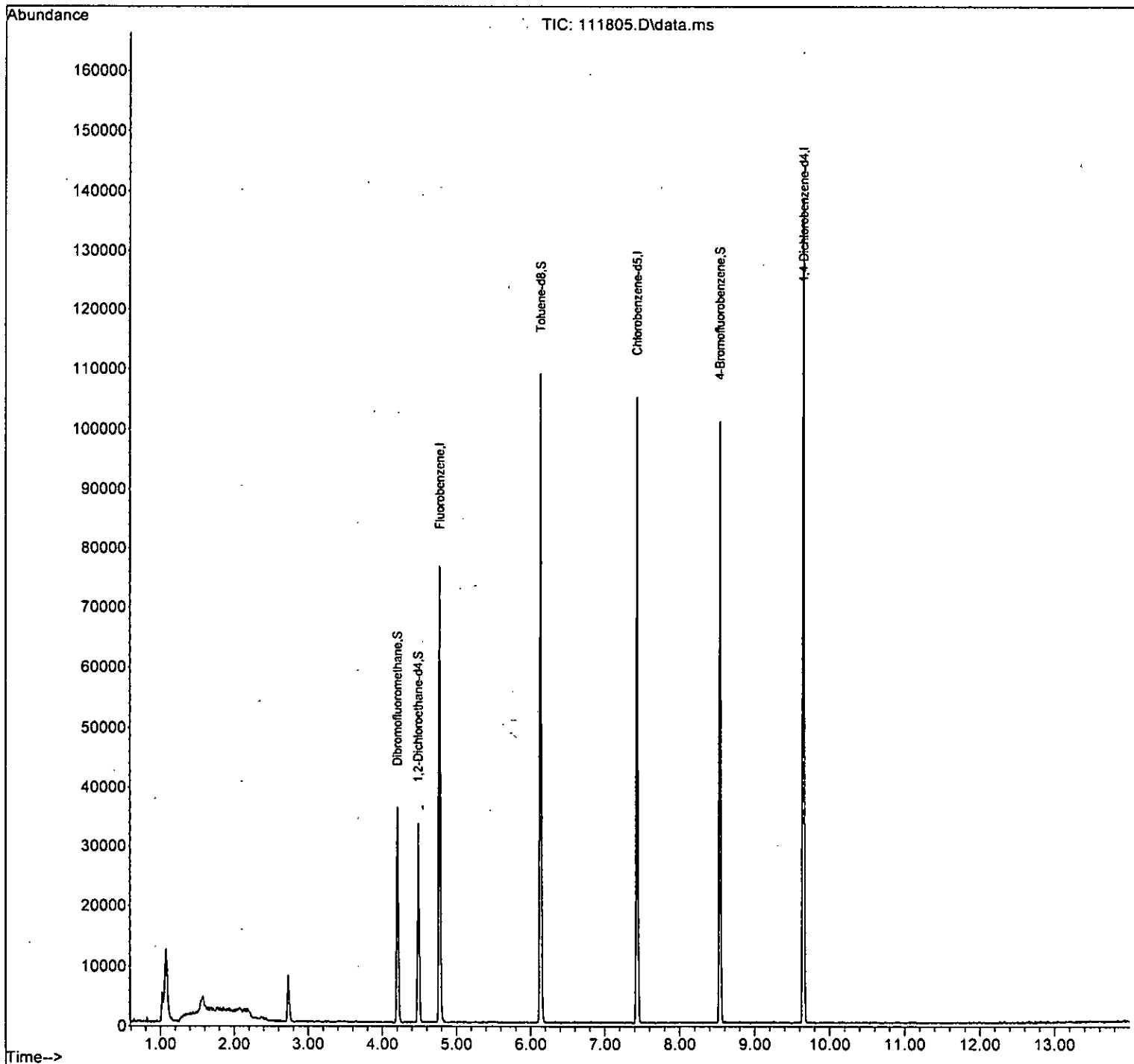
Quant Time: Nov 18 07:12:33 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.00		0		N.D.	
38) cis-1,3-Dichloropropene	0.00		0		N.D.	
40) Toluene	0.00		0		N.D.	
41) trans-1,3-Dichloropropene	0.00		0		N.D.	
42) 1,1,2-Trichloroethane	0.00		0		N.D.	
43) 2-Hexanone	0.00		0		N.D.	
44) 1,3-Dichloropropane	0.00		0		N.D.	
45) Tetrachloroethene	0.00		0		N.D.	
46) Dibromochloromethane	0.00		0		N.D.	
47) 1,2-Dibromoethane (EDB)	0.00		0		N.D.	
48) Chlorobenzene	0.00		0		N.D.	
49) Ethylbenzene	0.00		0		N.D.	
50) 1,1,1,2-Tetrachloroethane	0.00		0		N.D.	
51) m,p-Xylene	0.00		0		N.D.	
52) o-Xylene	0.00		0		N.D.	
53) Styrene	0.00		0		N.D.	
54) Isopropylbenzene	0.00		0		N.D.	
55) Bromoform	0.00		0		N.D.	
58) n-Propylbenzene	0.00		0		N.D.	
59) Bromobenzene	0.00		0		N.D.	
60) 1,3,5-Trimethylbenzene	0.00		0		N.D.	
61) 1,1,2,2-Tetrachloroethane	0.00		0		N.D.	
62) 1,2,3-Trichloropropane	0.00		0		N.D.	d
63) 2-Chlorotoluene	0.00		0		N.D.	
64) 4-Chlorotoluene	0.00		0		N.D.	
65) tert-Butylbenzene	0.00		0		N.D.	
66) 1,2,4-Trimethylbenzene	0.00		0		N.D.	
67) sec-Butylbenzene	0.00		0		N.D.	
68) p-Isopropyltoluene	0.00		0		N.D.	
69) 1,3-Dichlorobenzene	0.00		0		N.D.	
70) 1,4-Dichlorobenzene	0.00		0		N.D.	
71) 1,2-Dichlorobenzene	0.00		0		N.D.	
72) 1,2-Dibromo-3-chloropr...	0.00		0		N.D.	
73) 1,2,4-Trichlorobenzene	0.00		0		N.D.	
74) Hexachlorobutadiene	0.00		0		N.D.	
75) Naphthalene	0.00		0		N.D.	
76) 1,2,3-Trichlorobenzene	0.00		0		N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS4\11-18-22\
Data File : 111805.D
Acq On : 18 Nov 2022 7:01 am
Operator : lm
Sample : 02-2768 mb
Misc : soil
ALS Vial : 5 Sample Multiplier: 1
InstName : GCMS4

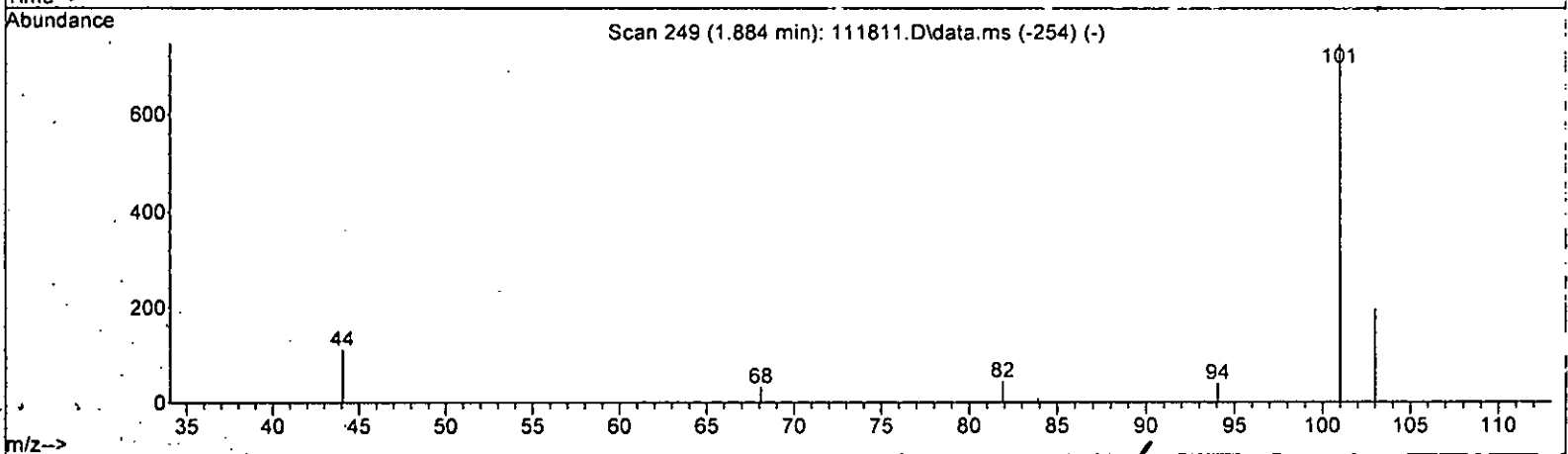
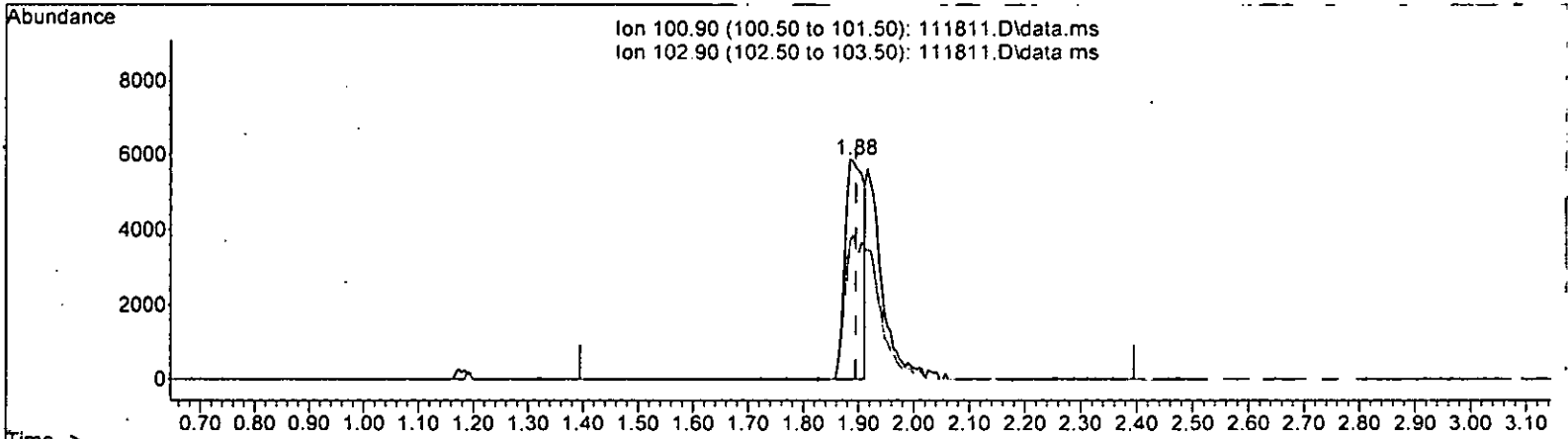
Quant Time: Nov 18 07:12:33 2022
Quant Method : Y:\Methods\Inst4\VB110822ms4.M
Quant Title : 8260 Purge & Trap Volatiles
QLast Update : Tue Nov 08 16:47:05 2022
Response via : Initial Calibration
DataAcq Meth:8260VM1.M



Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS4\11-18-22\
 Data File : 111811.D
 Acq On : 18 Nov 2022 7:11 pm
 Operator : lm
 Sample : 211195-08 ms
 Misc : soil
 ALS Vial : 11 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 22 09:07:53 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



TIC: 111811.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.884min (-0.011) 3.939 ppb

response 13495

Ion	Exp%	Act%
100.90	100.00	100.00
102.90	61.00	62.59
0.00	0.00	0.00
0.00	0.00	0.00

lm 11.22.22

Data Path : Y:\Proc_GCMS4\11-18-22\
 Data File : 111811.D
 Acq On : 18 Nov 2022 7:11 pm
 Operator : lm
 Sample : 211195-08 ms
 Misc : soil
 ALS Vial : 11 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 22 09:07:53 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) Fluorobenzene	4.77	96	61000	10.000	ppb	0.00	
39) Chlorobenzene-d5	7.43	117	58936	10.000	ppb	0.00	
56) 1,4-Dichlorobenzene-d4	9.65	152	40242	10.000	ppb	0.00	
System Monitoring Compounds							
3) Dibromofluoromethane	4.21	113	16944	10.104	ppb	0.00	
Spiked Amount	10.000	Range	0 - 1000	Recovery	=	101.00%	
30) 1,2-Dichloroethane-d4	4.49	102	3711	9.582	ppb	0.00	
Spiked Amount	10.000	Range	90 - 109	Recovery	=	95.80%	
35) Toluene-d8	6.14	98	75470	12.351	ppb	0.00	
Spiked Amount	10.000	Range	89 - 112	Recovery	=	123.50%#	
57) 4-Bromofluorobenzene	8.54	95	35778	12.678	ppb	0.00	
Spiked Amount	10.000	Range	84 - 115	Recovery	=	126.80%#	
Target Compounds							
2) Ethanol	1.07	45	1246	No Calib			Qvalue
4) Dichlorodifluoromethane	1.17	85	5079	2.033	ppb		99
5) Chloromethane	1.31	50	12819	5.533	ppb		96
6) Vinyl chloride	1.40	62	12976	5.904	ppb		99
7) Bromomethane	1.63	94	7727	7.561	ppb		99
8) Chloroethane	1.70	64	8694	7.543	ppb		99
9) Trichlorofluoromethane	1.88	101	24730m	7.218	ppb		
10) 2-Propanol	2.98	45	2262	No Calib			
11) Acetone	2.38	58	15762	96.798	ppb		95
12) 1,1-Dichloroethene	2.32	96	14273	7.019	ppb		87
13) Hexane	3.20	57	51135	24.054	ppb		92
14) Methylene chloride	2.73	84	20172	8.957	ppb		88
15) t-Butyl alcohol (TBA)	2.87	59	15477	49.521	ppb		74
16) Methyl t-butyl ether (...)	2.98	73	50137	8.461	ppb	#	30
17) trans-1,2-Dichloroethene	2.97	96	16276	7.561	ppb	#	80
18) Diisopropyl ether (DIPE)	3.40	45	45433	8.382	ppb		92
19) 1,1-Dichloroethane	3.32	63	27017	8.267	ppb		99
20) Ethyl t-butyl ether (E...)	3.70	87	21940	8.463	ppb		83
21) 2,2-Dichloropropane	3.80	77	17626	8.328	ppb		92
22) cis-1,2-Dichloroethene	3.80	96	19633	8.426	ppb	#	79
23) Chloroform	4.08	83	32963	9.306	ppb		99
24) 2-Butanone (MEK)	3.83	43	57936	51.035	ppb		92
25) t-Amyl methyl ether (T...)	4.65	73	49468	8.416	ppb		94
26) 1,2-Dichloroethane (EDC)	4.55	62	23999	8.979	ppb		93
27) 1,1,1-Trichloroethane	4.23	97	26889	8.280	ppb		93
28) 1,1-Dichloropropene	4.36	75	22965	8.401	ppb		89
29) Carbon tetrachloride	4.37	117	24824	8.491	ppb		89
31) Benzene	4.54	78	67943	8.664	ppb		96
32) Trichloroethene	5.09	95	20542	9.031	ppb	#	73
33) 1,2-Dichloropropane	5.27	63	19280	11.113	ppb		51
34) Bromodichloromethane	5.51	83	34484	13.096	ppb		98
36) Dibromomethane	5.37	93	12667	9.626	ppb		87

Data Path : Y:\Proc_GCMS4\11-18-22\
 Data File : 111811.D
 Acq On : 18 Nov 2022 7:11 pm
 Operator : lm
 Sample : 211195-08 ms
 Misc : soil
 ALS Vial : 11 Sample Multiplier: 1
 InstName : GCMS4

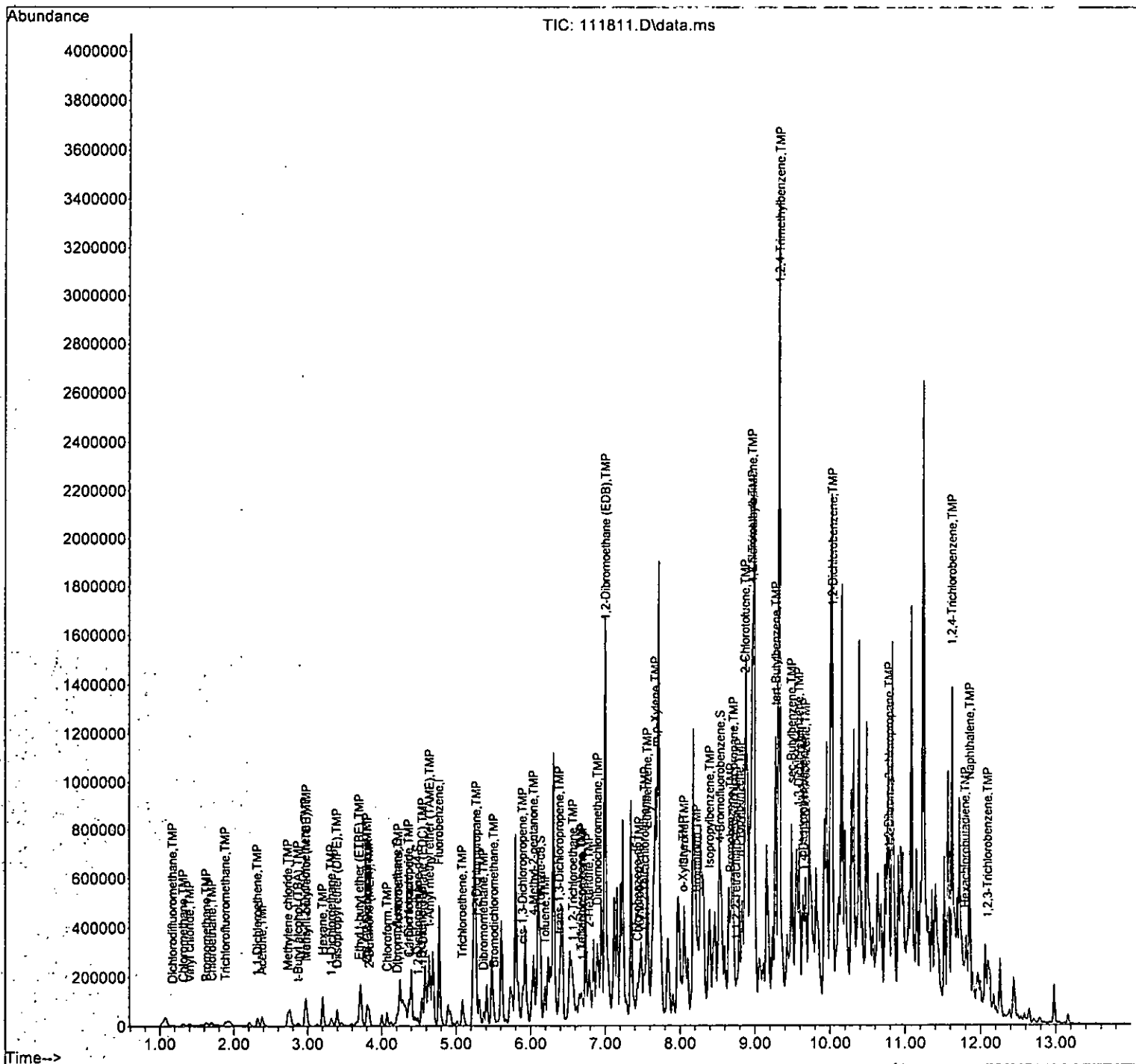
Quant Time: Nov 22 09:07:53 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	6.04	85	23119	49.290	ppb	# 70
38) cis-1,3-Dichloropropene	5.90	75	28076	9.128	ppb	93
40) Toluene	6.19	92	45904	8.049	ppb	98
41) trans-1,3-Dichloropropene	6.39	75	27024	8.293	ppb	90
42) 1,1,2-Trichloroethane	6.57	83	46324	26.818	ppb	# 31
43) 2-Hexanone	6.79	43	77326	40.946	ppb	97
44) 1,3-Dichloropropane	6.70	76	27272	8.260	ppb	100
45) Tetrachloroethene	6.68	164	20835	8.205	ppb	99
46) Dibromochloromethane	6.90	129	21508	8.666	ppb	95
47) 1,2-Dibromoethane (EDB)	7.00	107	21049	8.969	ppb	80
48) Chlorobenzene	7.46	112	57011	8.426	ppb	88
49) Ethylbenzene	7.56	91	198126	18.219	ppb	91
50) 1,1,1,2-Tetrachloroethane	7.53	131	19543	7.792	ppb	96
51) m,p-Xylene	7.67	106	190754	43.390	ppb	89
52) o-Xylene	8.05	106	39979	9.152	ppb	86
53) Styrene	8.06	104	61571	8.305	ppb	91
54) Isopropylbenzene	8.40	105	145541	13.149	ppb	96
55) Bromoform	8.22	173	18506	9.188	ppb	98
58) n-Propylbenzene	8.79	91	287004	22.532	ppb	92
59) Bromobenzene	8.68	156	29411	7.980	ppb	# 78
60) 1,3,5-Trimethylbenzene	8.97	105	565861	60.188	ppb	87
61) 1,1,2,2-Tetrachloroethane	8.75	83	3389	1.045	ppb	77
62) 1,2,3-Trichloropropane	8.72	75	20453	8.326	ppb	75
63) 2-Chlorotoluene	8.87	91	171563	22.563	ppb	77
64) 4-Chlorotoluene	8.97	91	127924	14.108	ppb	82
65) tert-Butylbenzene	9.28	119	71721	8.642	ppb	85
66) 1,2,4-Trimethylbenzene	9.33	105	1440623	147.138	ppb	94
67) sec-Butylbenzene	9.49	105	148949	13.368	ppb	95
68) p-Isopropyltoluene	9.64	119	152480	15.003	ppb	92
69) 1,3-Dichlorobenzene	9.59	146	54354	8.316	ppb	95
70) 1,4-Dichlorobenzene	9.67	146	53665	7.960	ppb	96
71) 1,2-Dichlorobenzene	10.03	146	53375	8.316	ppb	94
72) 1,2-Dibromo-3-chloropr...	10.79	75	8951	13.310	ppb	85
73) 1,2,4-Trichlorobenzene	11.62	180	43482	9.002	ppb	# 62
74) Hexachlorobutadiene	11.80	225	24511	13.164	ppb	98
75) Naphthalene	11.86	128	563253	47.337	ppb	99
76) 1,2,3-Trichlorobenzene	12.10	180	40426	8.843	ppb	86

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS4\11-18-22\
 Data File : 111811.D
 Acq On : 18 Nov 2022 7:11 pm
 Operator : lm
 Sample : 211195-08 ms
 Misc : soil
 ALS Vial : 11 Sample Multiplier: 1
 InstName : GCMS4

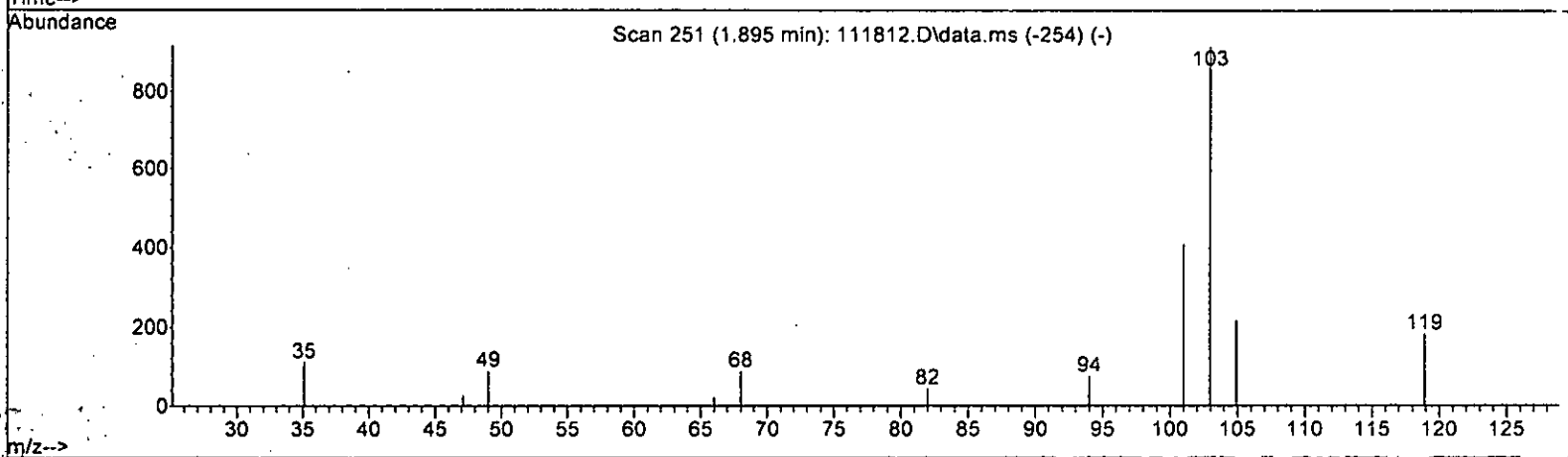
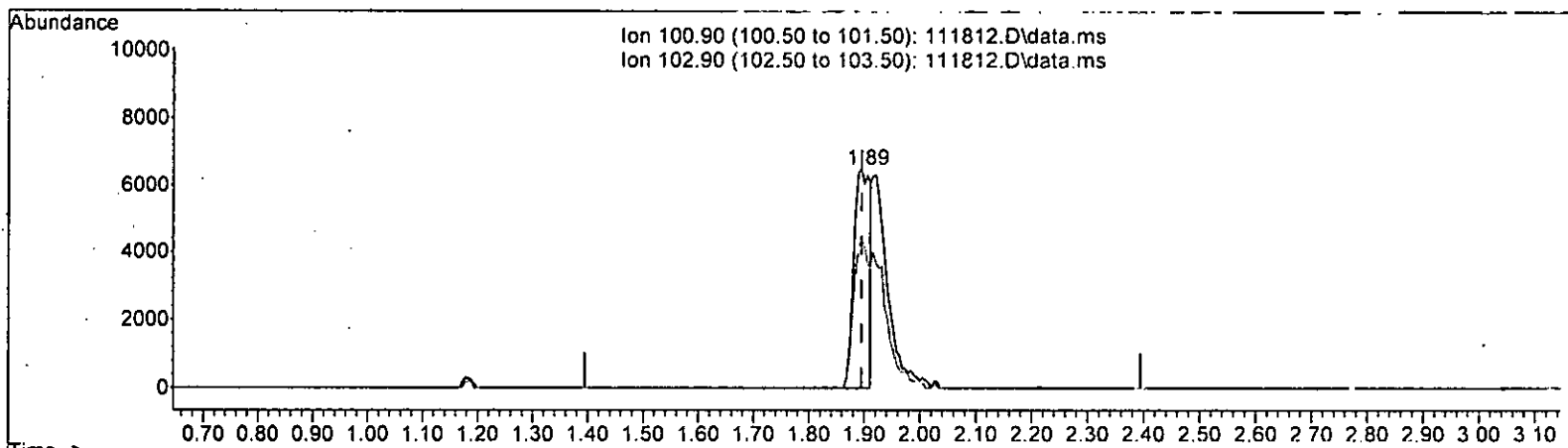
Quant Time: Nov 22 09:07:53 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS4\11-18-22\
 Data File : 111812.D
 Acq On : 18 Nov 2022 7:34 pm
 Operator : lm
 Sample : 211195-08 msd
 Misc : soil
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 22 09:07:56 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



TIC: 111812.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.895min (-0.000) 3.818 ppb

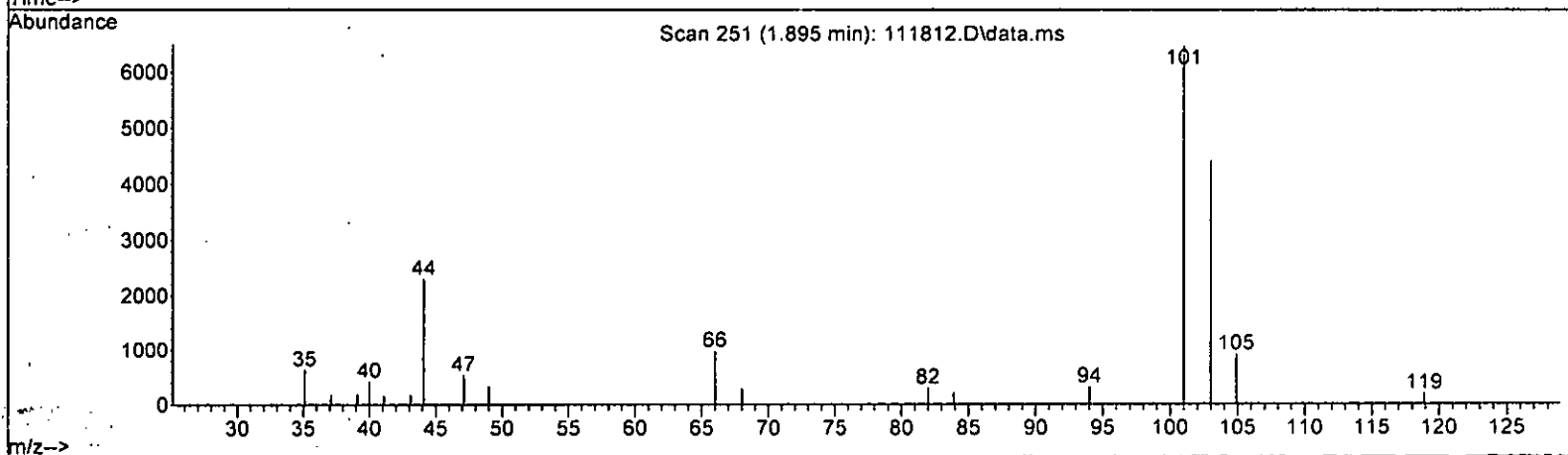
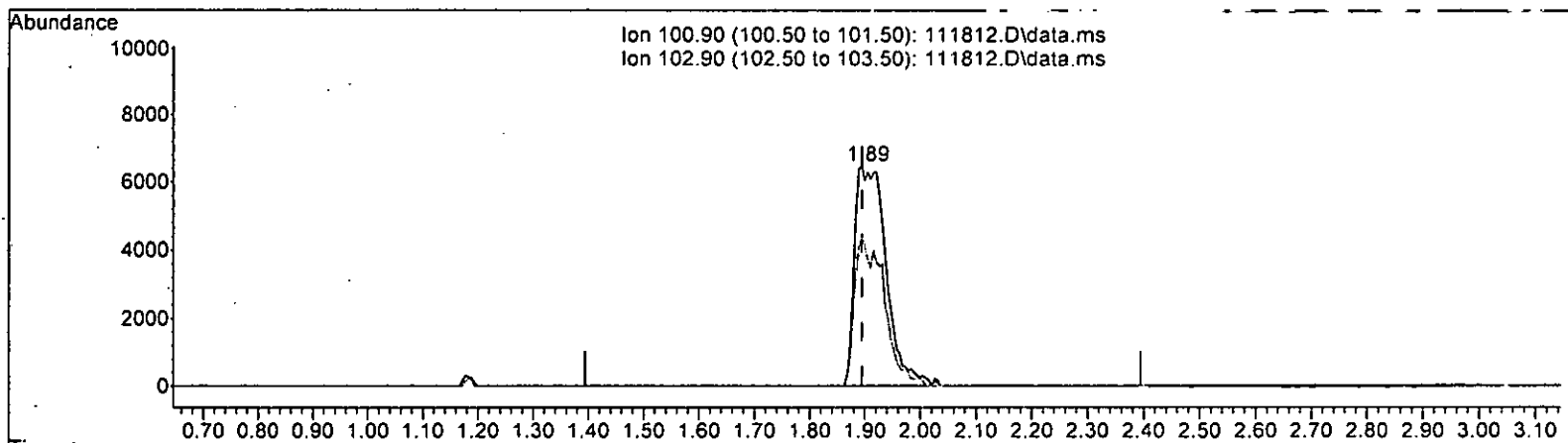
response 12817

Ion	Exp%	Act%
100.90	100.00	100.00
102.90	61.00	67.65
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS4\11-18-22\
 Data File : 111812.D
 Acq On : 18 Nov 2022 7:34 pm
 Operator : lm
 Sample : 211195-08 msd
 Misc : soil
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 22 09:07:56 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



TIC: 111812.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.895min (-0.000) 7.522 ppb m

response 25250

Ion	Exp%	Act%
100.90	100.00	100.00
102.90	61.00	67.65
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Y:\Proc_GCMS4\11-18-22\
 Data File : 111812.D
 Acq On : 18 Nov 2022 7:34 pm
 Operator : lm
 Sample : 211195-08 msd
 Misc : soil
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 22 09:07:56 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.78	96	59761	10.000	ppb	0.00
39) Chlorobenzene-d5	7.43	117	56051	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.65	152	41155	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.21	113	17280	10.518	ppb	0.00
Spiked Amount	10.000	Range	0 - 1000	Recovery	=	105.20%
30) 1,2-Dichloroethane-d4	4.49	102	3722	9.809	ppb	0.00
Spiked Amount	10.000	Range	90 - 109	Recovery	=	98.10%
35) Toluene-d8	6.14	98	72456	12.103	ppb	0.00
Spiked Amount	10.000	Range	89 - 112	Recovery	=	121.00%#
57) 4-Bromofluorobenzene	8.54	95	36643	12.696	ppb	0.00
Spiked Amount	10.000	Range	84 - 115	Recovery	=	127.00%#
Target Compounds						
2) Ethanol	1.07	45	489	No Calib	#	
4) Dichlorodifluoromethane	1.18	85	5484	2.240	ppb	93
5) Chloromethane	1.31	50	13633	6.007	ppb	98
6) Vinyl chloride	1.41	62	13750	6.386	ppb	95
7) Bromomethane	1.63	94	8384	8.374	ppb	89
8) Chloroethane	1.70	64	9055	8.019	ppb	98
9) Trichlorofluoromethane	1.89	101	25250m	7.522	ppb	
10) 2-Propanol	2.98	45	2450	No Calib		
11) Acetone	2.39	58	16382	102.386	ppb	99
12) 1,1-Dichloroethene	2.32	96	15131	7.595	ppb	85
13) Hexane	3.21	57	43895	21.077	ppb	94
14) Methylene chloride	2.74	84	21609	9.944	ppb	85
15) t-Butyl alcohol (TBA)	2.87	59	16599	54.212	ppb	85
16) Methyl t-butyl ether (...)	2.99	73	53320	9.184	ppb	46
17) trans-1,2-Dichloroethene	2.97	96	17549	8.322	ppb	85
18) Diisopropyl ether (DIPE)	3.40	45	47899	9.020	ppb	95
19) 1,1-Dichloroethane	3.32	63	28800	8.995	ppb	97
20) Ethyl t-butyl ether (E...)	3.70	87	23019	9.064	ppb	# 79
21) 2,2-Dichloropropane	3.81	77	19606	9.482	ppb	100
22) cis-1,2-Dichloroethene	3.81	96	20907	9.158	ppb	# 79
23) Chloroform	4.08	83	33994	9.797	ppb	100
24) 2-Butanone (MEK)	3.83	43	60641	54.525	ppb	97
25) t-Amyl methyl ether (T...)	4.65	73	53397	9.272	ppb	94
26) 1,2-Dichloroethane (EDC)	4.55	62	24885	9.503	ppb	97
27) 1,1,1-Trichloroethane	4.23	97	27711	8.710	ppb	96
28) 1,1-Dichloropropene	4.37	75	23923	8.933	ppb	89
29) Carbon tetrachloride	4.37	117	25739	8.987	ppb	97
31) Benzene	4.54	78	69594	9.058	ppb	94
32) Trichloroethene	5.09	95	21282	9.550	ppb	80
33) 1,2-Dichloropropane	5.27	63	19798	11.648	ppb	42
34) Bromodichloromethane	5.51	83	33272	12.897	ppb	99
36) Dibromomethane	5.37	93	12494	9.691	ppb	94

Data Path : Y:\Proc_GCMS4\11-18-22\
 Data File : 111812.D
 Acq On : 18 Nov 2022 7:34 pm
 Operator : Im
 Sample : 211195-08 msd
 Misc : soil
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS4

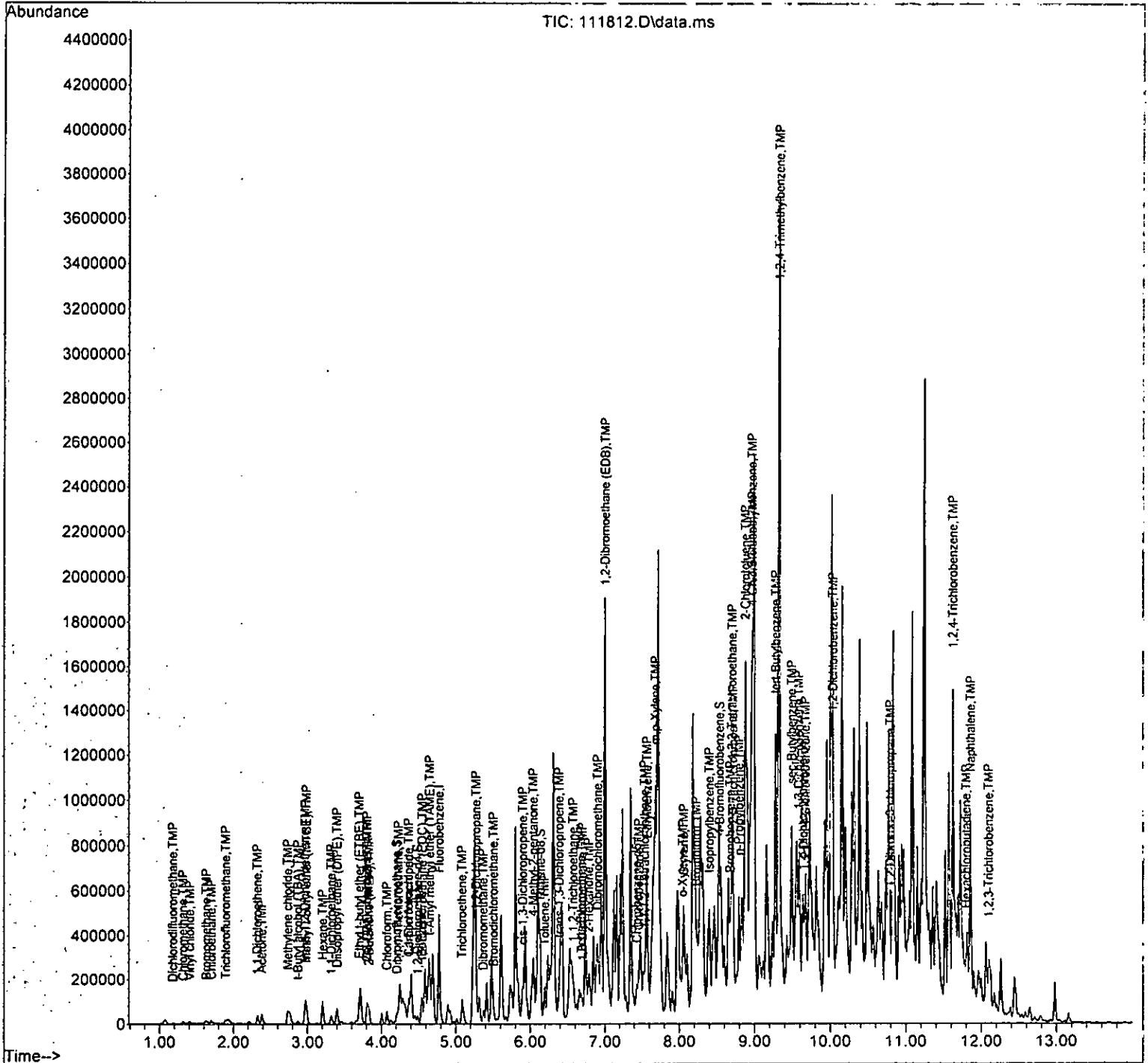
Quant Time: Nov 22 09:07:56 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 Qlast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	6.04	85	23670	51.510	ppb	# 83
38) cis-1,3-Dichloropropene	5.90	75	28277	9.384	ppb	97
40) Toluene	6.19	92	45378	8.366	ppb	98
41) trans-1,3-Dichloropropene	6.39	75	26218	8.460	ppb	86
42) 1,1,2-Trichloroethane	6.58	83	49368	30.051	ppb	# 27
43) 2-Hexanone	6.79	43	74871	41.687	ppb	96
44) 1,3-Dichloropropane	6.70	76	25818	8.222	ppb	100
45) Tetrachloroethene	6.69	164	20540	8.505	ppb	98
46) Dibromochloromethane	6.91	129	20342	8.619	ppb	98
47) 1,2-Dibromoethane (EDB)	7.00	107	20061	8.988	ppb	77
48) Chlorobenzene	7.46	112	55505	8.625	ppb	90
49) Ethylbenzene	7.57	91	205835	19.902	ppb	91
50) 1,1,1,2-Tetrachloroethane	7.54	131	20696	8.677	ppb	98
51) m,p-Xylene	7.68	106	199511	47.718	ppb	87
52) o-Xylene	8.05	106	41397	9.964	ppb	87
53) Styrene	8.06	104	61720	8.753	ppb	85
54) Isopropylbenzene	8.40	105	153265	14.560	ppb	93
55) Bromoform	8.22	173	17942	9.364	ppb	98
58) n-Propylbenzene	8.79	91	303340	23.286	ppb	93
59) Bromobenzene	8.68	156	30123	7.992	ppb	# 84
60) 1,3,5-Trimethylbenzene	8.97	105	601787	62.589	ppb	89
61) 1,1,2,2-Tetrachloroethane	8.70	83	96385	29.054	ppb	# 35
62) 1,2,3-Trichloropropane	8.71	75	20951	8.339	ppb	64
63) 2-Chlorotoluene	8.88	91	179443	23.075	ppb	69
64) 4-Chlorotoluene	8.97	91	134789	14.536	ppb	89
65) tert-Butylbenzene	9.28	119	76126	8.969	ppb	86
66) 1,2,4-Trimethylbenzene	9.33	105	1533689	153.168	ppb	93
67) sec-Butylbenzene	9.49	105	155864	13.678	ppb	93
68) p-Isopropyltoluene	9.64	119	157796	15.181	ppb	93
69) 1,3-Dichlorobenzene	9.59	146	56747	8.490	ppb	95
70) 1,4-Dichlorobenzene	9.67	146	56138	8.142	ppb	97
71) 1,2-Dichlorobenzene	10.04	146	56733	8.643	ppb	92
72) 1,2-Dibromo-3-chloropr...	10.80	75	9486	13.792	ppb	82
73) 1,2,4-Trichlorobenzene	11.62	180	46391	9.391	ppb	# 67
74) Hexachlorobutadiene	11.80	225	24747	12.996	ppb	94
75) Naphthalene	11.86	128	609456	50.084	ppb	99
76) 1,2,3-Trichlorobenzene	12.10	180	44791	9.580	ppb	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS4\11-18-22\
 Data File : 111812.D
 Acq On : 18 Nov 2022 7:34 pm
 Operator : lm
 Sample : 211195-08 msd
 Misc : soil
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 22 09:07:56 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



Data Path : Y:\Proc_GCMS4\11-18-22\
 Data File : 111818.D
 Acq On : 18 Nov 2022 9:59 pm
 Operator : lm
 Sample : 211195-08 rx
 Misc : soil
 ALS Vial : 18 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 22 09:08:13 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	4.78	96	60712	10.000	ppb	0.00
39) Chlorobenzene-d5	7.43	117	58513	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.65	152	39777	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.21	113	16743	10.032	ppb	0.00
Spiked Amount	10.000	Range	0 - 1000	Recovery	=	100.30%
30) 1,2-Dichloroethane-d4	4.49	102	3582	9.292	ppb	0.00
Spiked Amount	10.000	Range	90 - 109	Recovery	=	92.90%
35) Toluene-d8	6.14	98	76854	12.637	ppb	0.00
Spiked Amount	10.000	Range	89 - 112	Recovery	=	126.40%#
57) 4-Bromofluorobenzene	8.54	95	35735	12.810	ppb	0.00
Spiked Amount	10.000	Range	84 - 115	Recovery	=	128.10%#
Target Compounds						
2) Ethanol	1.07	45	383	No Calib	#	Qvalue
4) Dichlorodifluoromethane	0.00		0	N.D.		
5) Chloromethane	0.00		0	N.D.		
6) Vinyl chloride	0.00		0	N.D.		
7) Bromomethane	1.63	94	178	N.D.		
8) Chloroethane	0.00		0	N.D.		
9) Trichlorofluoromethane	0.00		0	N.D.		
10) 2-Propanol	0.00		0	N.D.		
11) Acetone	0.00		0	N.D.		
12) 1,1-Dichloroethene	0.00		0	N.D.		
13) Hexane	3.21	57	41875	19.792	ppb	94
14) Methylene chloride	2.73	84	1869	Below Cal	#	72
15) t-Butyl alcohol (TBA)	0.00		0	N.D.		
16) Methyl t-butyl ether (...)	0.00		0	N.D.		
17) trans-1,2-Dichloroethene	0.00		0	N.D.		
18) Diisopropyl ether (DIPE)	0.00		0	N.D.		
19) 1,1-Dichloroethane	0.00		0	N.D.		
20) Ethyl t-butyl ether (E...)	0.00		0	N.D.		
21) 2,2-Dichloropropane	3.73	77	671	N.D.		
22) cis-1,2-Dichloroethene	0.00		0	N.D.		
23) Chloroform	0.00		0	N.D.	d	
24) 2-Butanone (MEK)	3.80	43	817	N.D.		
25) t-Amyl methyl ether (T...)	0.00		0	N.D.		
26) 1,2-Dichloroethane (EDC)	4.58	62	306	N.D.		
27) 1,1,1-Trichloroethane	0.00		0	N.D.		
28) 1,1-Dichloropropene	0.00		0	N.D.		
29) Carbon tetrachloride	0.00		0	N.D.		
31) Benzene	4.58	78	319	N.D.		
32) Trichloroethene	0.00		0	N.D.	d	
33) 1,2-Dichloropropane	0.00		0	N.D.	d	
34) Bromodichloromethane	0.00		0	N.D.	d	
36) Dibromomethane	0.00		0	N.D.	d	

Data Path : Y:\Proc_GCMS4\11-18-22\
 Data File : 111818.D
 Acq On : 18 Nov 2022 9:59 pm
 Operator : lm
 Sample : 211195-08 rx
 Misc : soil
 ALS Vial : 18 Sample Multiplier: 1
 InstName : GCMS4

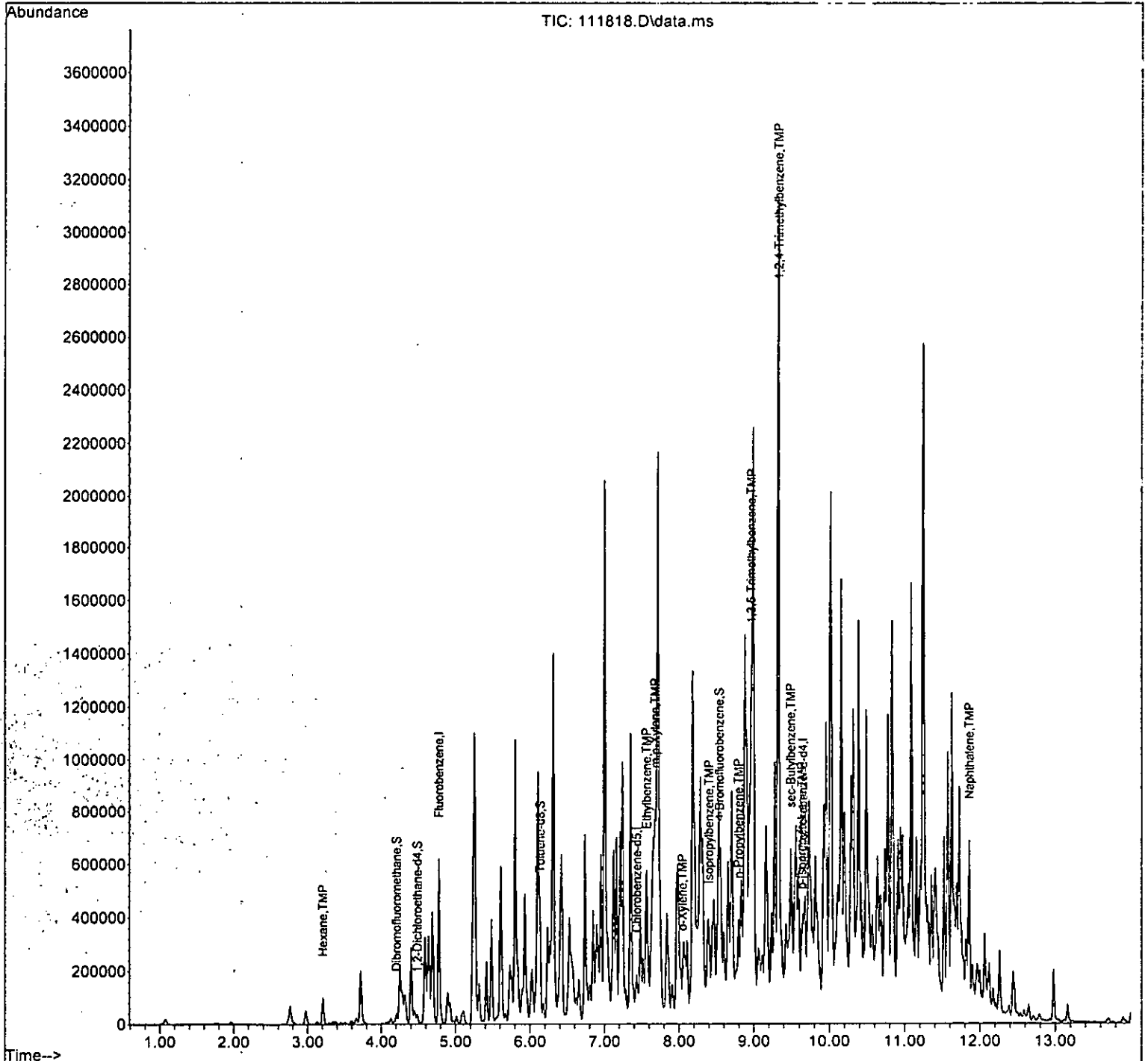
Quant Time: Nov 22 09:08:13 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.00		0		N.D.	d
38) cis-1,3-Dichloropropene	0.00		0		N.D.	
40) Toluene	6.20	92	119		N.D.	
41) trans-1,3-Dichloropropene	6.30	75	174		N.D.	
42) 1,1,2-Trichloroethane	0.00		0		N.D.	d
43) 2-Hexanone	0.00		0		N.D.	d
44) 1,3-Dichloropropane	0.00		0		N.D.	
45) Tetrachloroethene	6.68	164	208		N.D.	
46) Dibromochloromethane	0.00		0		N.D.	d
47) 1,2-Dibromoethane (EDB)	0.00		0		N.D.	d
48) Chlorobenzene	7.49	112	1159		N.D.	
49) Ethylbenzene	7.56	91	127379	11.798	ppb	91
50) 1,1,1,2-Tetrachloroethane	0.00		0		N.D.	
51) m,p-Xylene	7.68	106	133650	30.621	ppb	90
52) o-Xylene	8.05	106	4054	0.935	ppb #	78
53) Styrene	8.06	104	471		N.D.	
54) Isopropylbenzene	8.40	105	60200	5.478	ppb	96
55) Bromoform	0.00		0		N.D.	
58) n-Propylbenzene	8.79	91	188808	14.996	ppb	93
59) Bromobenzene	8.71	156	101		N.D.	
60) 1,3,5-Trimethylbenzene	8.97	105	475385	51.156	ppb	88
61) 1,1,2,2-Tetrachloroethane	0.00		0		N.D.	d
62) 1,2,3-Trichloropropane	0.00		0		N.D.	d
63) 2-Chlorotoluene	0.00		0		N.D.	d
64) 4-Chlorotoluene	0.00		0		N.D.	d
65) tert-Butylbenzene	0.00		0		N.D.	d
66) 1,2,4-Trimethylbenzene	9.33	105	1309432	135.302	ppb	92
67) sec-Butylbenzene	9.49	105	49723	4.515	ppb	95
68) p-Isopropyltoluene	9.64	119	59915	5.964	ppb	91
69) 1,3-Dichlorobenzene	0.00		0		N.D.	
70) 1,4-Dichlorobenzene	0.00		0		N.D.	
71) 1,2-Dichlorobenzene	0.00		0		N.D.	
72) 1,2-Dibromo-3-chloropr...	0.00		0		N.D.	d
73) 1,2,4-Trichlorobenzene	11.64	180	249		N.D.	
74) Hexachlorobutadiene	0.00		0		N.D.	
75) Naphthalene	11.86	128	429243	36.496	ppb	99
76) 1,2,3-Trichlorobenzene	12.12	180	252		N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS4\11-18-22\
 Data File : 111818.D
 Acq On : 18 Nov 2022 9:59 pm
 Operator : lm
 Sample : 211195-08 rx
 Misc : soil
 ALS Vial : 18 Sample Multiplier: 1
 InstName : GCMS4

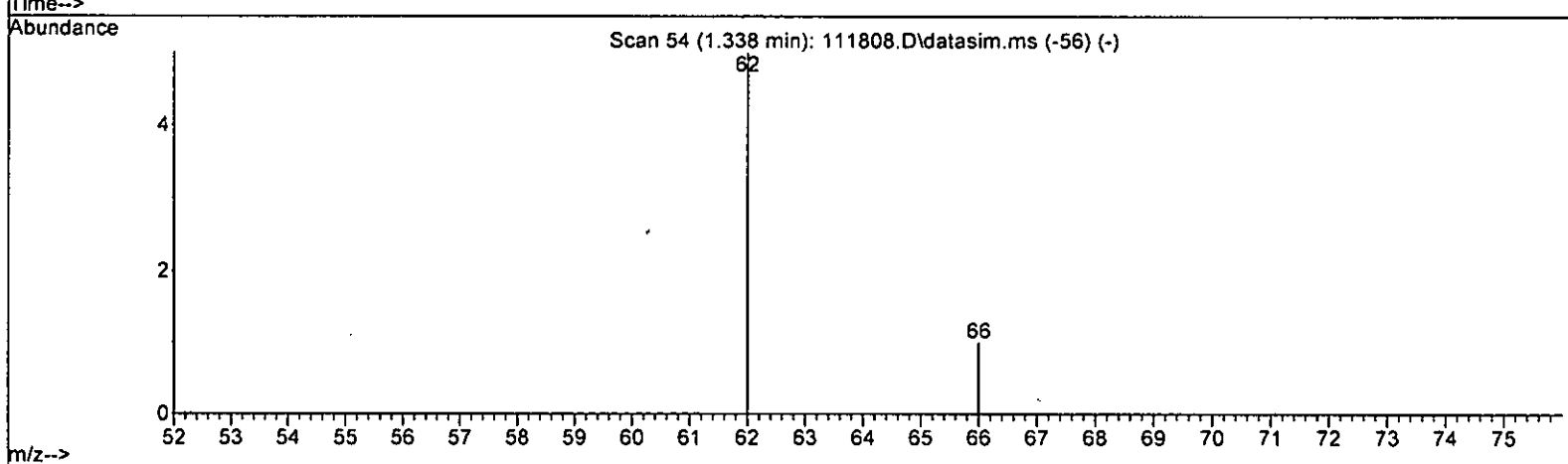
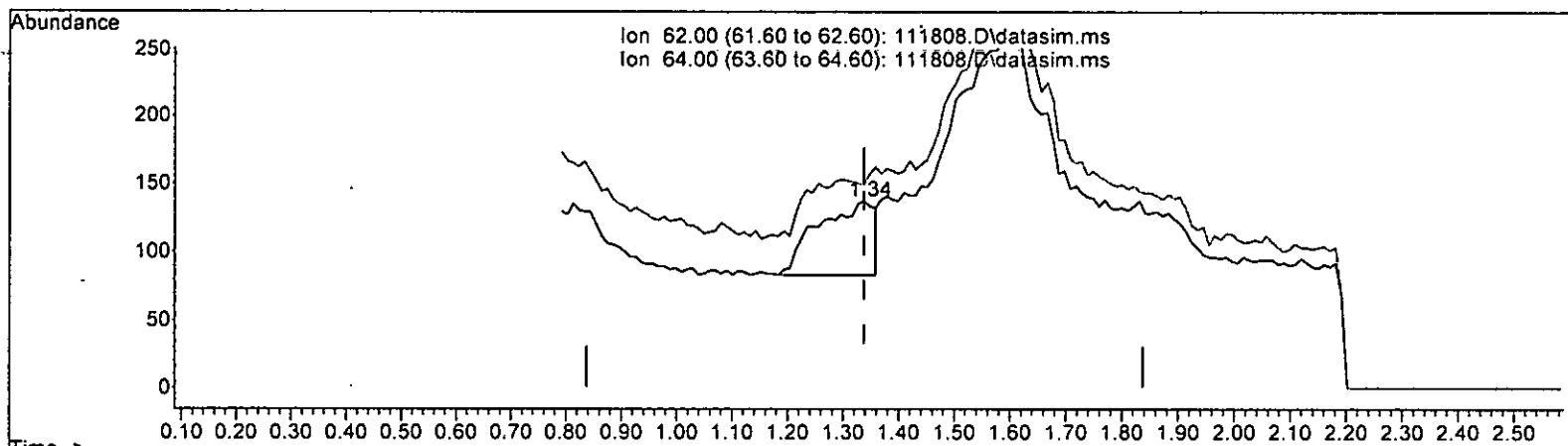
Quant Time: Nov 22 09:08:13 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111808.D
 Acq On : 18 Nov 2022 08:09 am
 Operator : LM
 Sample : 02-2768 mb 1/0.25
 Misc : water
 ALS Vial : 5 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:44:31 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



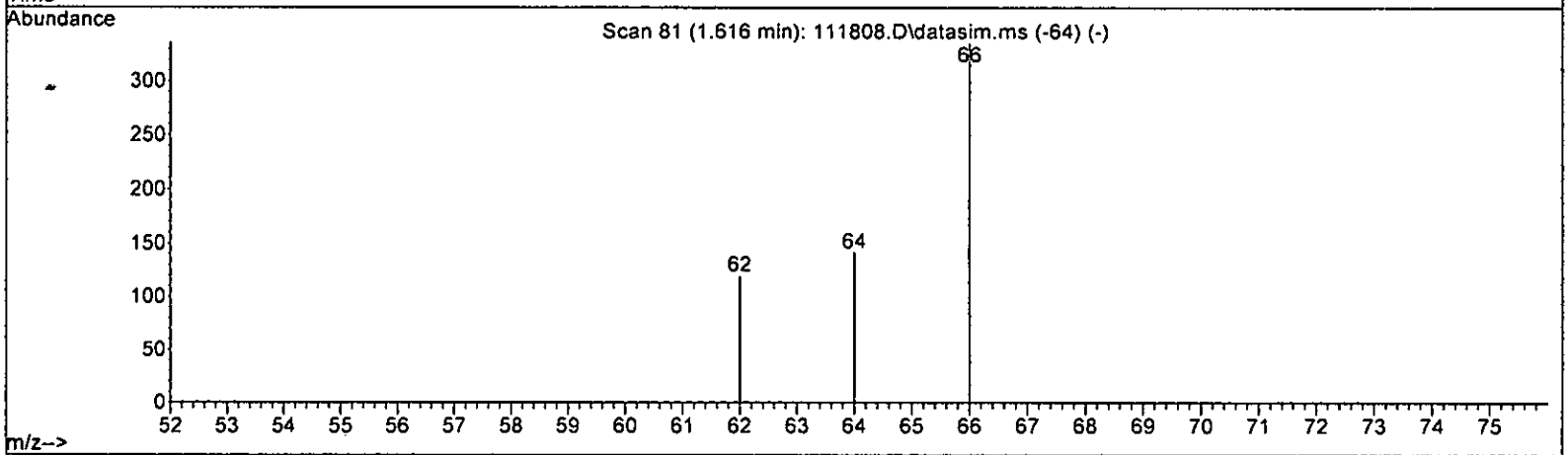
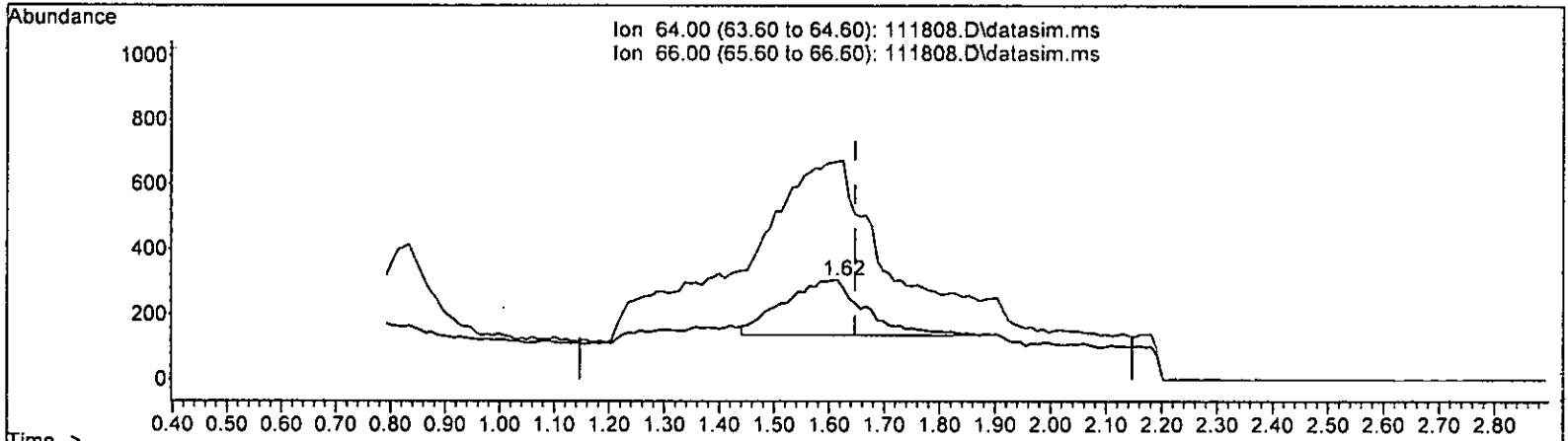
TIC: 111808.D\data.ms

(6) Vinyl chloride (TMP)		
1.338min (-0.000)	0.076 ppb	
response	378	
Ion	Exp%	Act%
62.00	100.00	100.00
64.00	34.40	70.37#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111808.D
 Acq On : 18 Nov 2022 08:09 am
 Operator : LM
 Sample : 02-2768 mb 1/0.25
 Misc : water
 ALS Vial : 5 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:44:31 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 111808.D\data.ms

(8) Chloroethane (TMP)

1.616min (-0.031) 0.773 ppb

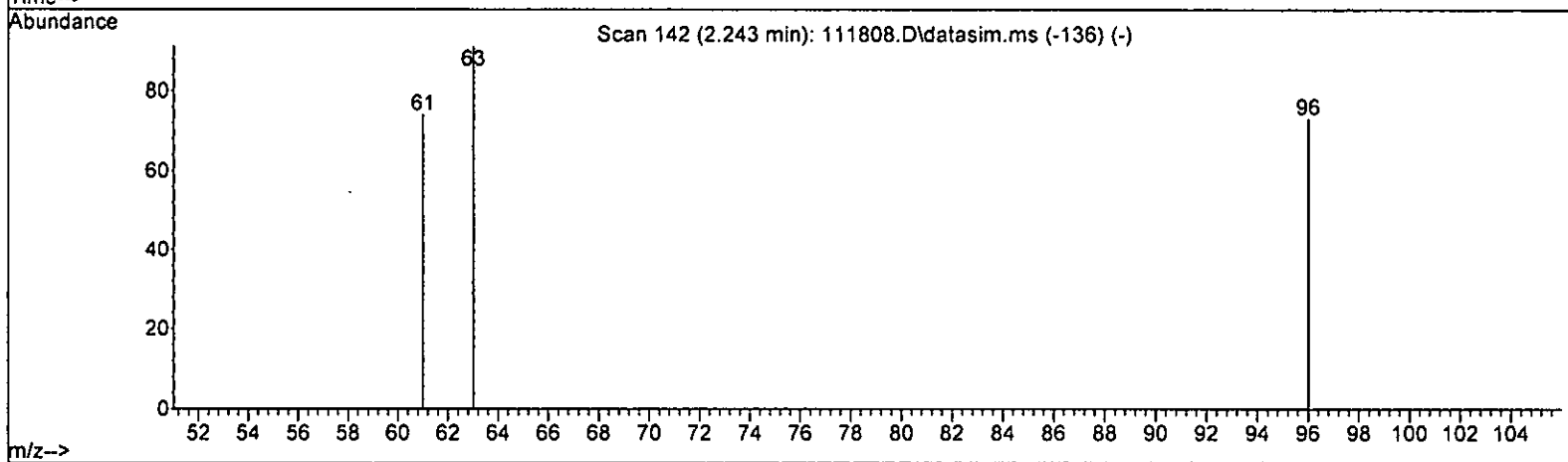
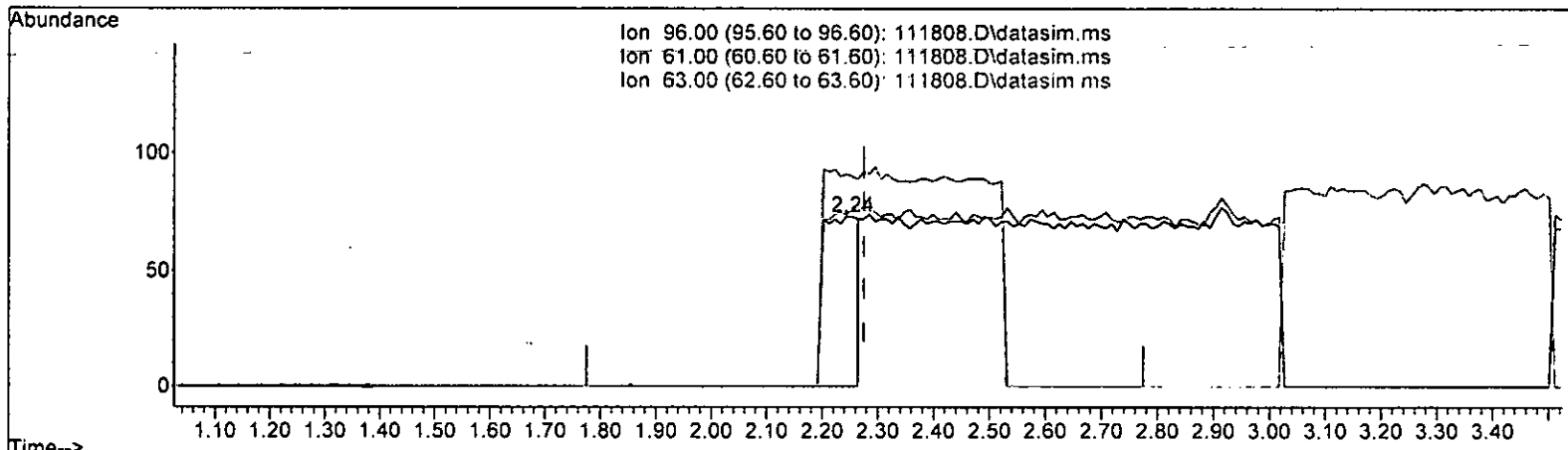
response 1717

Ion	Exp%	Act%
64.00	100.00	100.00
66.00	30.90	256.89#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111808.D
 Acq On : 18 Nov 2022 08:09 am
 Operator : LM
 Sample : 02-2768 mb 1/0.25
 Misc : water
 ALS Vial : 5 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:44:31 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 111808.D\data.ms

(12) 1,1-Dichloroethene (TMP)

2.243min (-0.032) 0.112 ppb

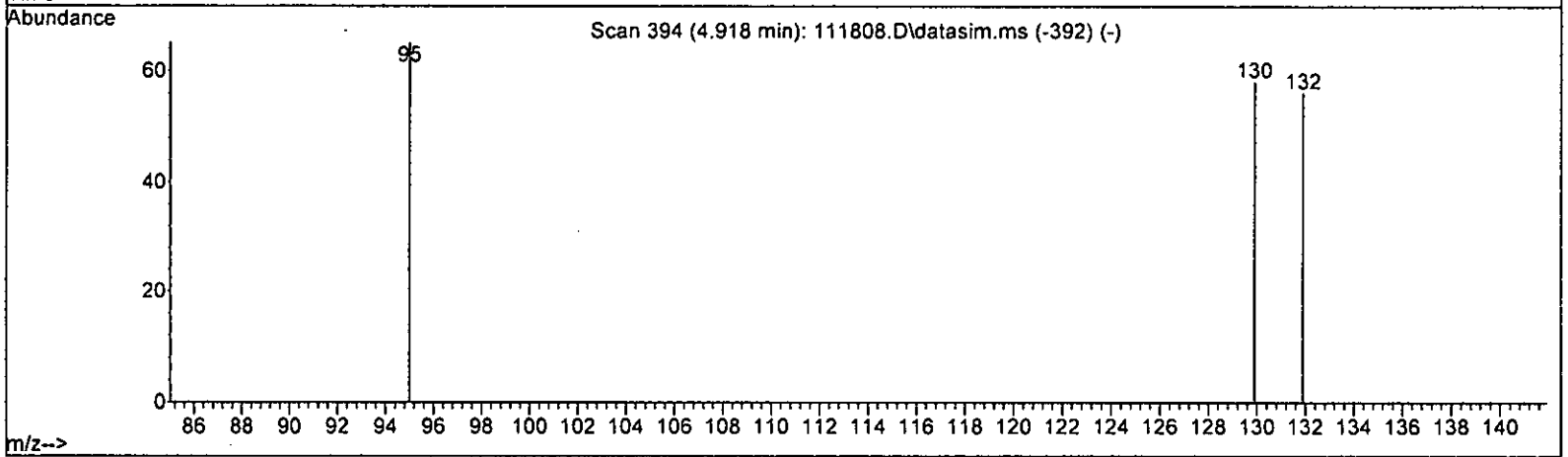
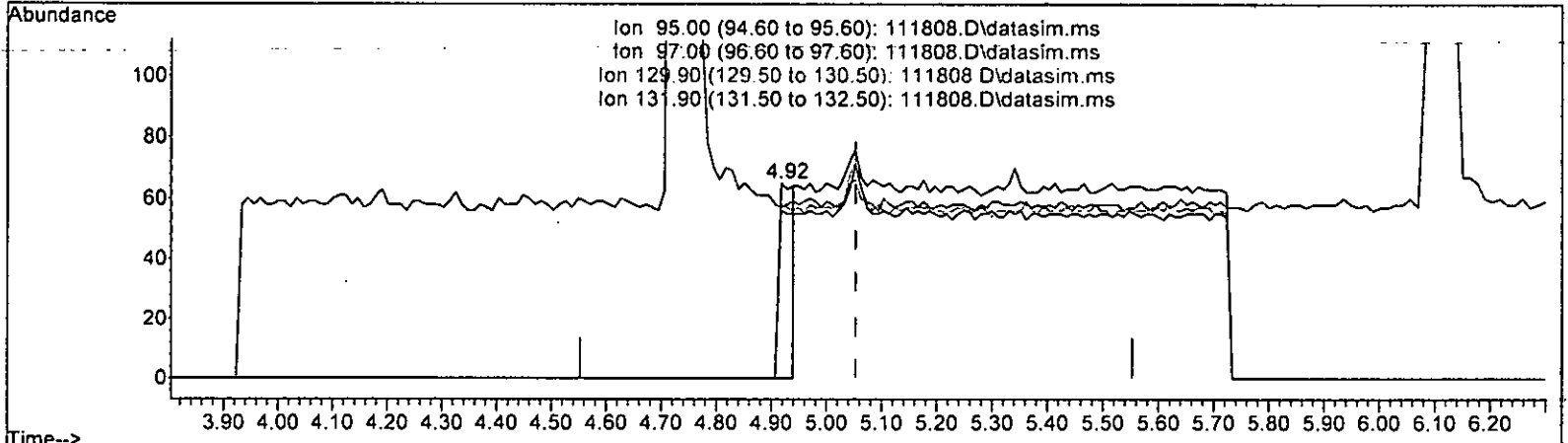
response 310

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	120.90	101.37
63.00	43.90	124.66#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111808.D
 Acq On : 18 Nov 2022 08:09 am
 Operator : LM
 Sample : 02-2768 mb 1/0.25
 Misc : water
 ALS Vial : 5 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:44:31 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 111808.D\data.ms

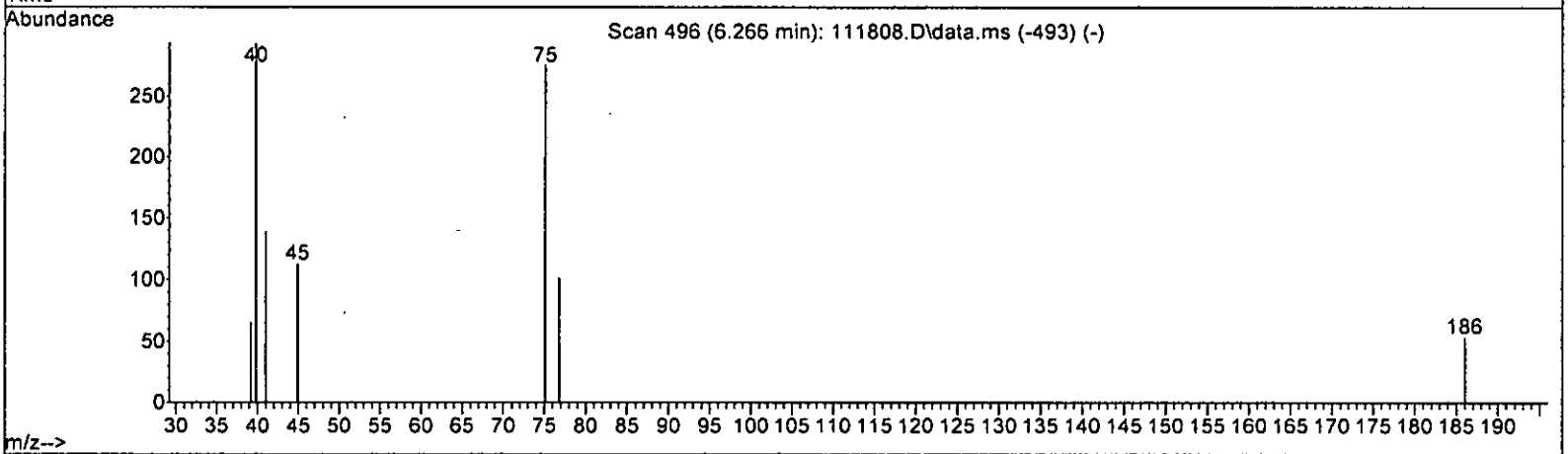
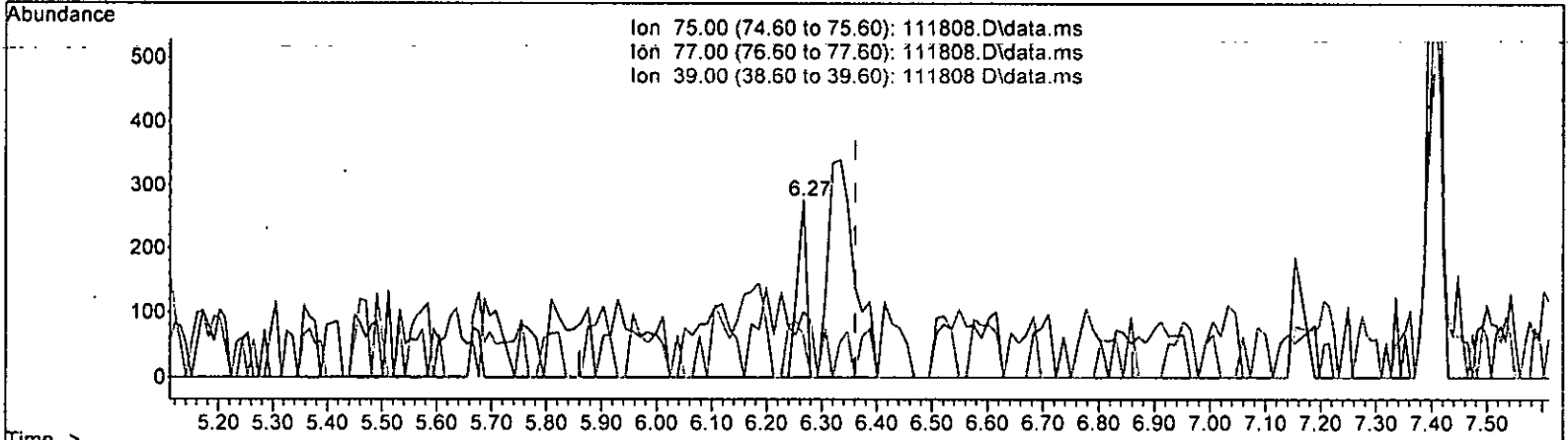
(32) Trichloroethene (TMP)
 4.918min (-0.135) 0.035 ppb
 response 124

Ion	Exp%	Act%
95.00	100.00	100.00
97.00	64.60	0.00#
129.90	103.40	89.23
131.90	95.80	86.15

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111808.D
 Acq On : 18 Nov 2022 08:09 am
 Operator : LM
 Sample : 02-2768 mb 1/0.25
 Misc : water
 ALS Vial : 5 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:44:31 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 111808.D\data.ms

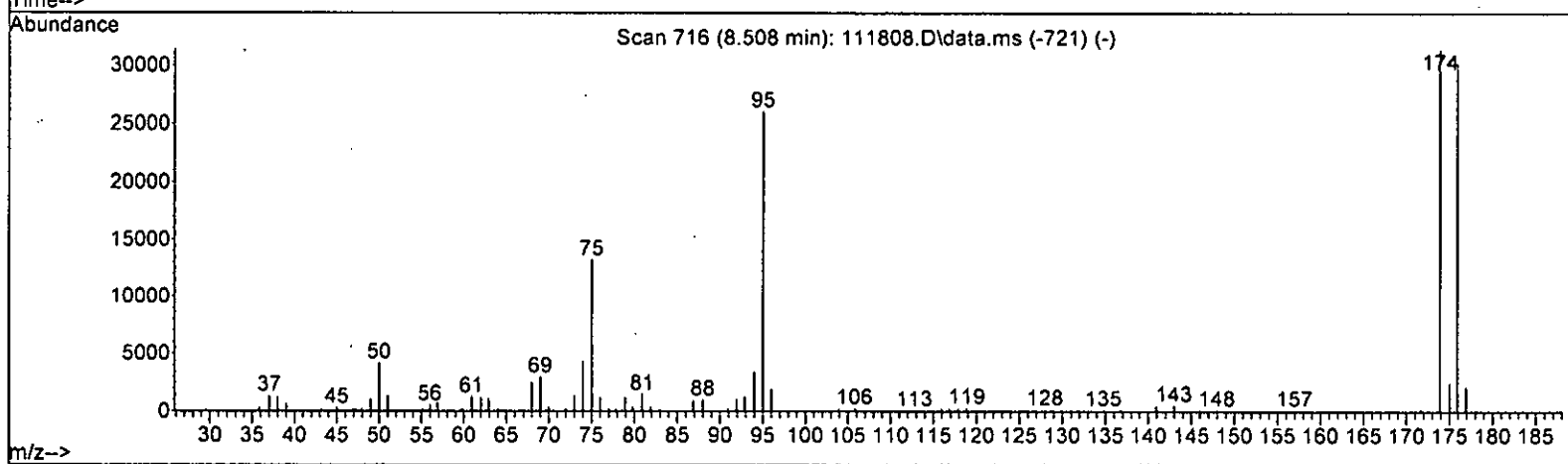
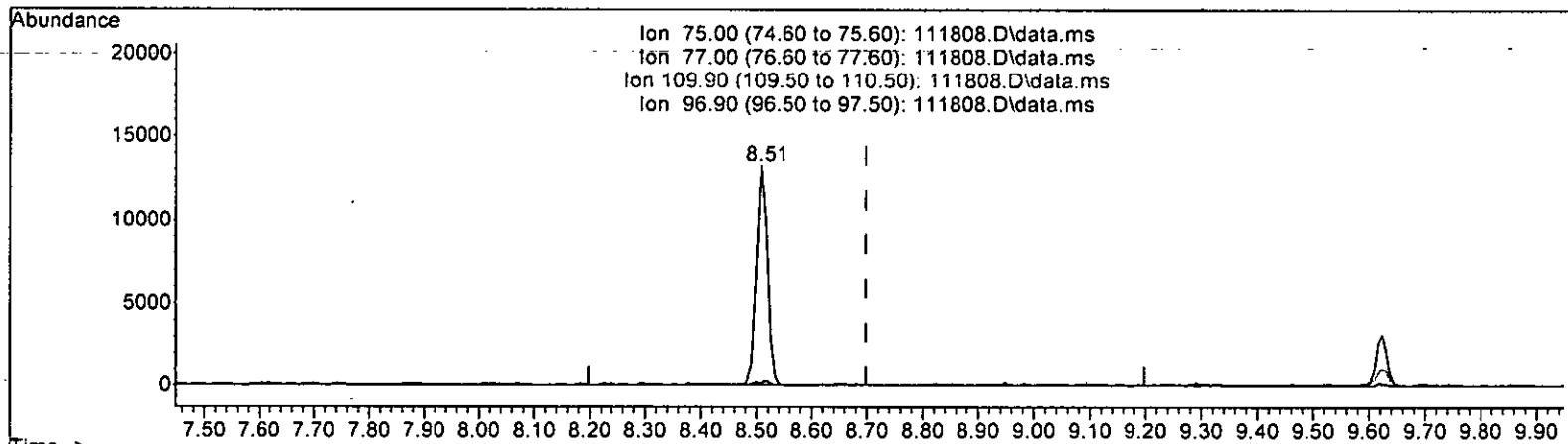
(41) trans-1,3-Dichloropropene (TMP)
 6.266min (-0.095) 0.103 ppb

response	319	
Ion	Exp%	Act%
75.00	100.00	100.00
77.00	32.60	36.59
39.00	46.30	23.55
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111808.D
 Acq On : 18 Nov 2022 08:09 am
 Operator : LM
 Sample : 02-2768 mb 1/0.25
 Misc : water
 ALS Vial : 5 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:44:31 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 111808.D\data.ms

(62) 1,2,3-Trichloropropane (TMP)			
8.508min (-0.190) 6.750 ppb			
response	17813		
Ion	Exp%	Act%	
75.00	100.00	100.00	
77.00	34.00	1.32#	
109.90	36.50	0.00#	
96.90	22.60	0.47	

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111808.D
 Acq On : 18 Nov 2022 08:09 am
 Operator : LM
 Sample : 02-2768 mb 1/0.25
 Misc : water
 ALS Vial : 5 Sample Multiplier: 1
 InstName : GCMS13

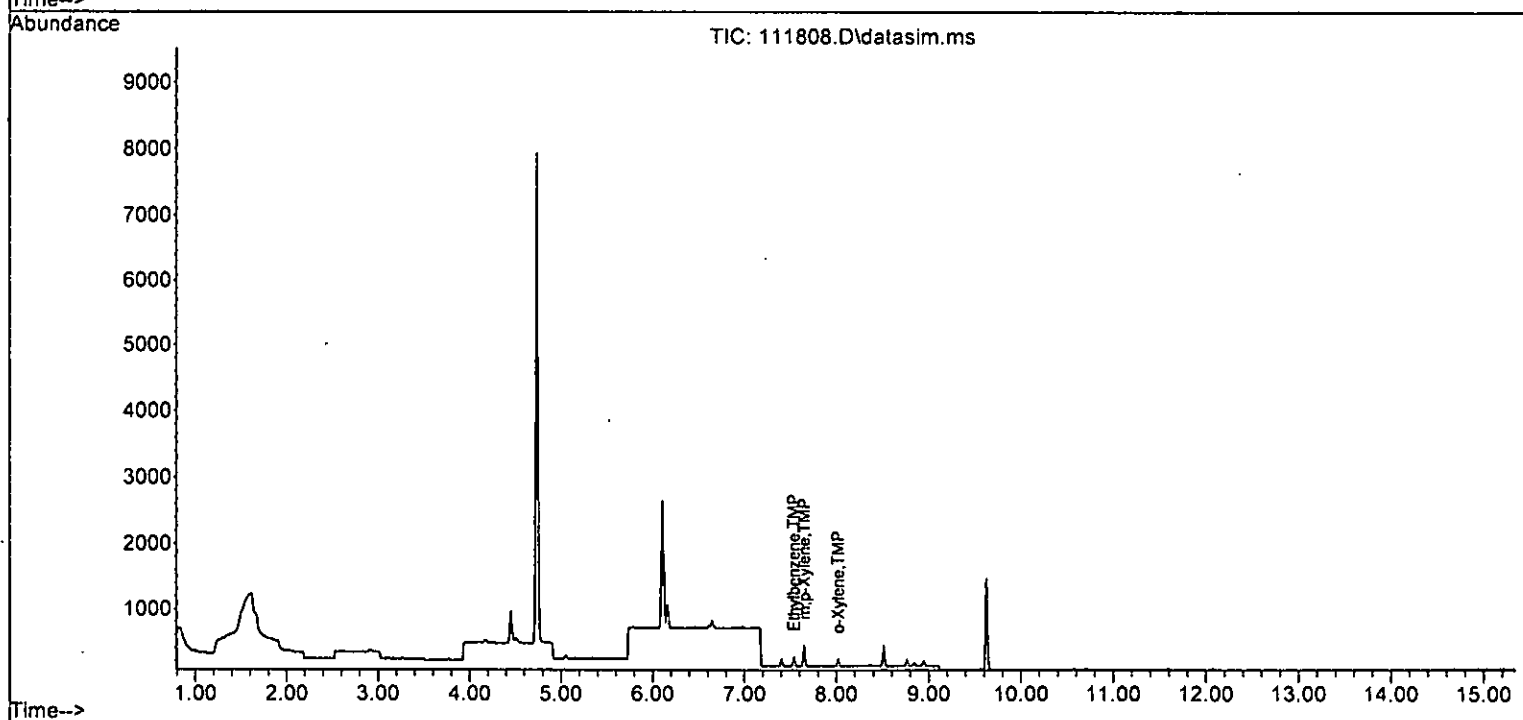
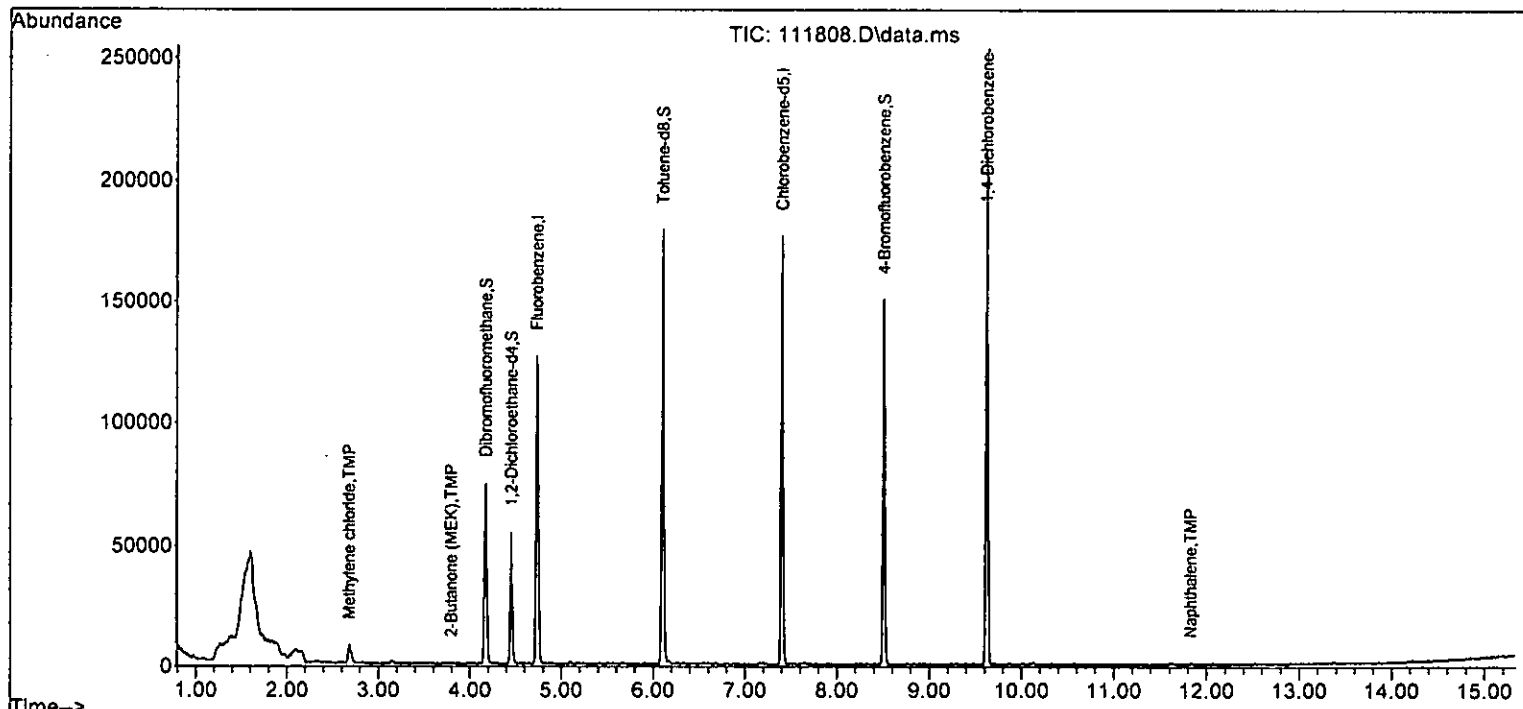
Quant Time: Nov 21 09:44:31 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

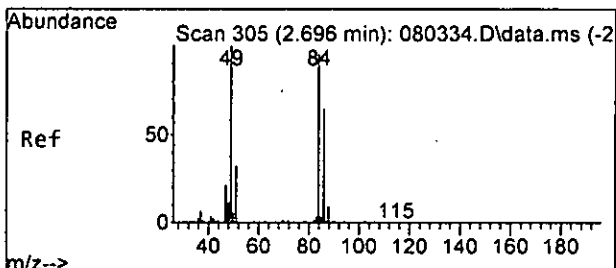
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.73	96	97125	10.000	ppb	-0.01
39) Chlorobenzene-d5	7.40	117	92765	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	54272	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.17	113	33197	10.658	ppb	0.00
Spiked Amount	10.000	Range 50 - 150	Recovery	=	106.60%	
30) 1,2-Dichloroethane-d4	4.45	102	5899	9.773	ppb	0.00
Spiked Amount	10.000	Range 71 - 132	Recovery	=	97.70%	
35) Toluene-d8	6.10	98	96815	10.452	ppb	0.00
Spiked Amount	10.000	Range 68 - 139	Recovery	=	104.50%	
57) 4-Bromofluorobenzene	8.51	95	36804	9.842	ppb	0.00
Spiked Amount	10.000	Range 62 - 136	Recovery	=	98.40%	
Target Compounds						
11) Acetone	2.33	58	112	Below Cal	#	1
14) Methylene chloride	2.68	84	4634	0.574	ppb	88
24) 2-Butanone (MEK)	3.79	43	651	0.279	ppb	55
26] 1,2-Dichloroethane (EDC)	4.52	62	79	Below Cal		95
28) 1,1-Dichloropropene	4.36	75	41	Below Cal	#	31
45] Tetrachloroethene	6.65	164	44	Below Cal		92
49] Ethylbenzene	7.54	91	171	0.012	ppb	89
51] m,p-Xylene	7.65	106	175	0.031	ppb	# 79
52] o-Xylene	8.02	106	60	0.011	ppb	# 66
61) 1,1,2,2-Tetrachloroethane	8.52	83	80	Below Cal	#	1
75) Naphthalene	11.83	128	353	0.113	ppb	69

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111808.D
 Acq On : 18 Nov 2022 08:09 am
 Operator : LM
 Sample : 02-2768 mb 1/0.25
 Misc : water
 ALS Vial : 5 Sample Multiplier: 1
 InstName : GCMS13

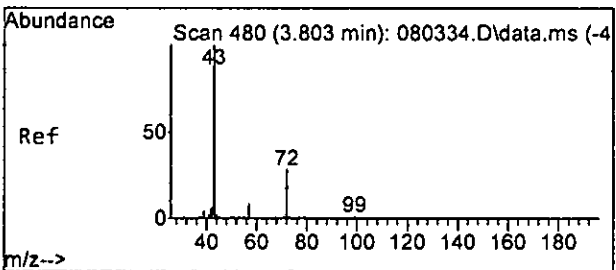
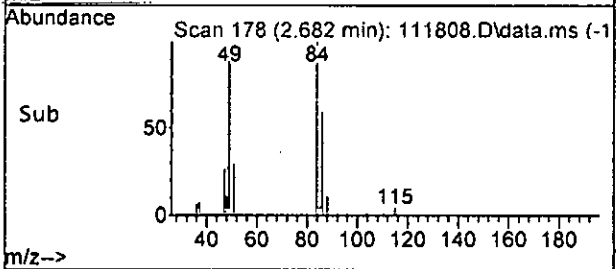
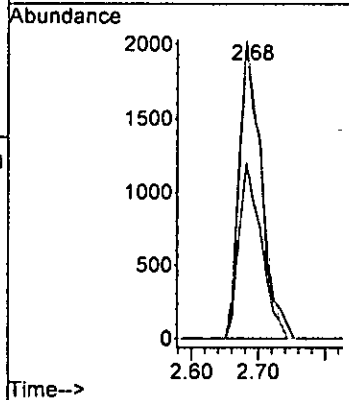
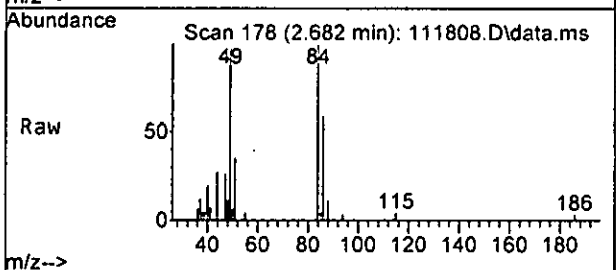
Quant Time: Nov 21 09:44:31 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M





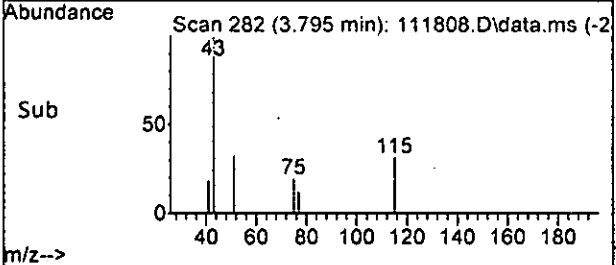
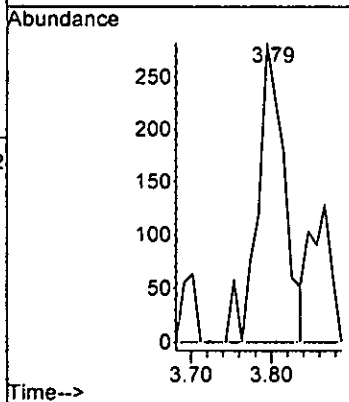
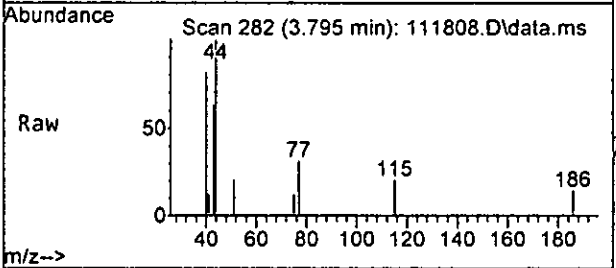
#14
 Methylene chloride
 Concen: 0.574 ppb
 RT: 2.68 min Scan# 178
 Delta R.T. -0.000 min
 Lab File: 111808.D
 Acq: 18 Nov 2022 08:09 am

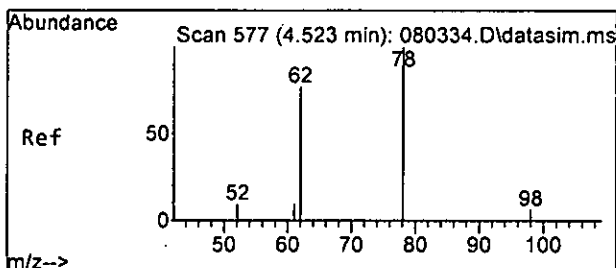
Tgt Ion	Resp	Lower	Upper
84	4634		
86	59.3	37.1	97.1
49	97.1	81.3	141.3



#24
 2-Butanone (MEK)
 Concen: 0.279 ppb
 RT: 3.79 min Scan# 282
 Delta R.T. -0.000 min
 Lab File: 111808.D
 Acq: 18 Nov 2022 08:09 am

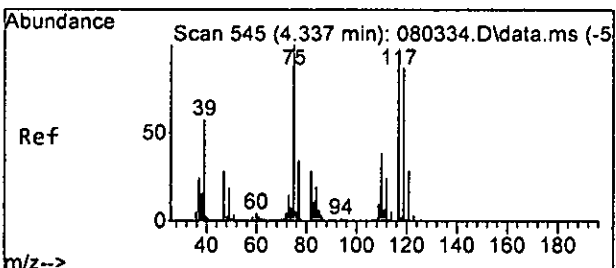
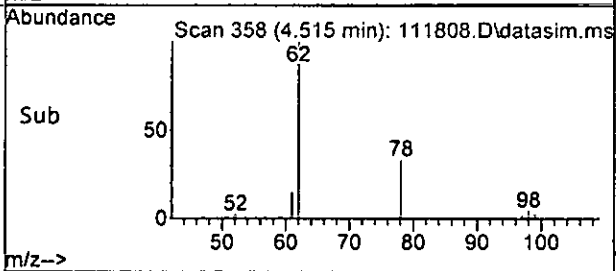
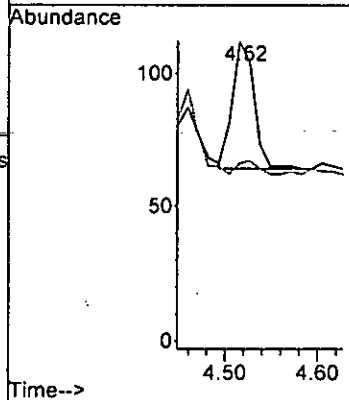
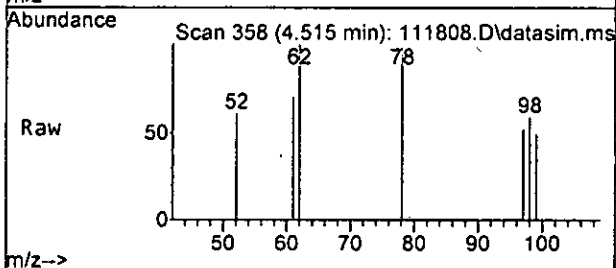
Tgt Ion	Resp	Lower	Upper
43	651		
72	0.0	0.0	57.0
57	0.0	0.0	28.0





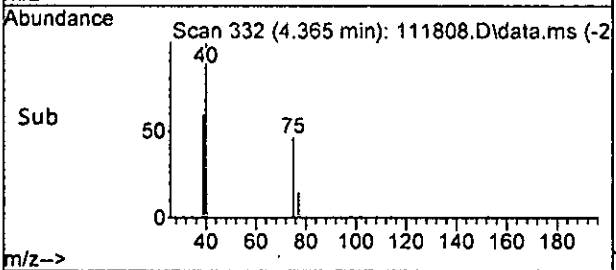
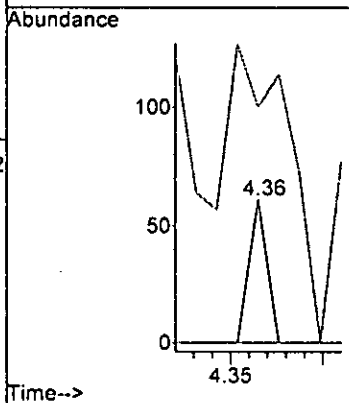
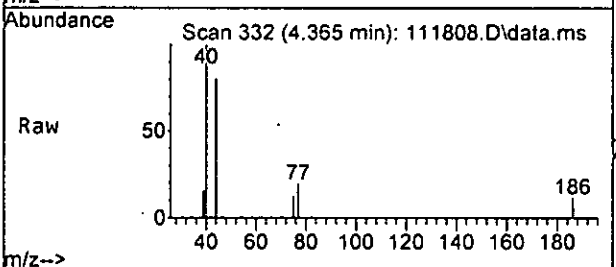
#26
 1,2-Dichloroethane (EDC)
 Concen: Below Cal
 RT: 4.52 min Scan# 358
 Delta R.T. -0.012 min
 Lab File: 111808.D
 Acq: 18 Nov 2022 08:09 am

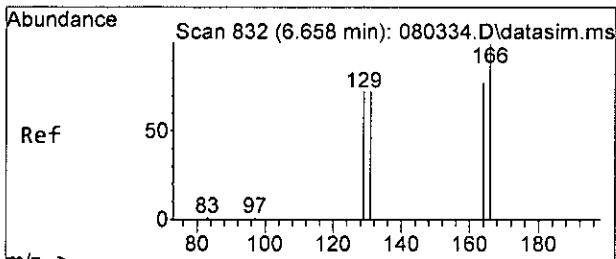
Tgt Ion: 62 Resp: 79
 Ion Ratio Lower Upper
 62 100
 98 8.3 0.0 40.1



#28
 1,1-Dichloropropene
 Concen: Below Cal
 RT: 4.36 min Scan# 332
 Delta R.T. 0.033 min
 Lab File: 111808.D
 Acq: 18 Nov 2022 08:09 am

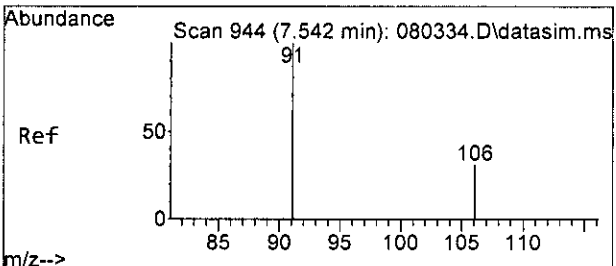
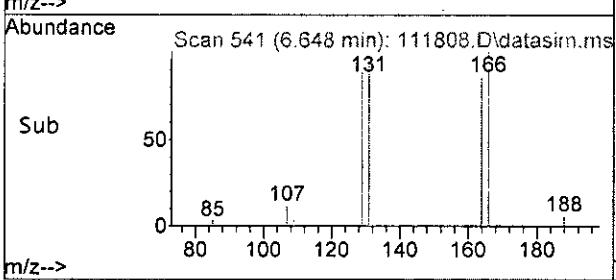
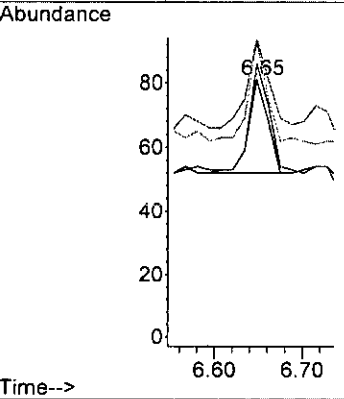
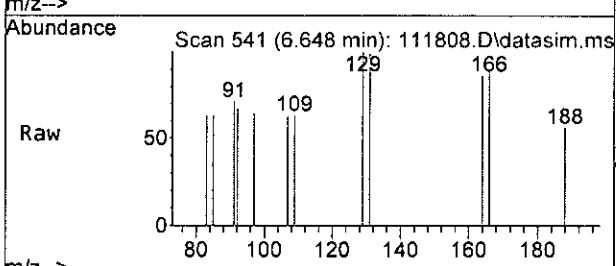
Tgt Ion: 75 Resp: 41
 Ion Ratio Lower Upper
 75 100
 110 0.0 10.6 70.6#
 77 70.5 0.1 60.1#





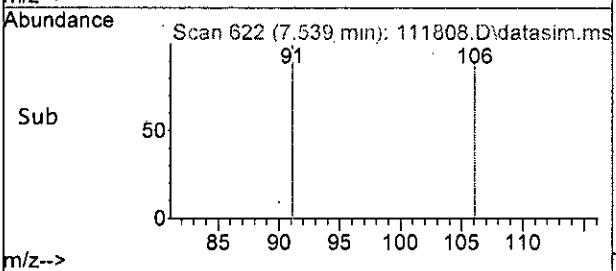
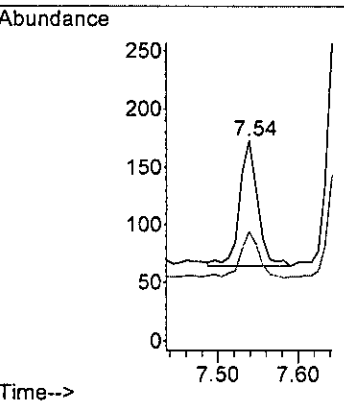
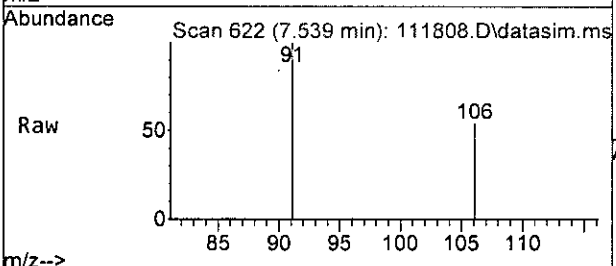
#45
 Tetrachloroethene
 Concen: Below Cal
 RT: 6.65 min Scan# 541
 Delta R.T. -0.000 min
 Lab File: 111808.D
 Acq: 18 Nov 2022 08:09 am

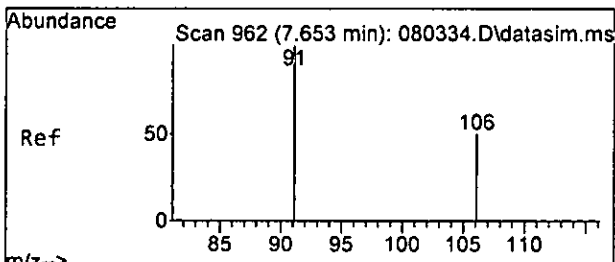
Tgt Ion	Resp	Lower	Upper
164	100		
129	96.6	72.1	132.1
131	106.9	64.8	124.8
166	113.8	90.0	150.0



#49
 Ethylbenzene
 Concen: 0.012 ppb
 RT: 7.54 min Scan# 622
 Delta R.T. -0.000 min
 Lab File: 111808.D
 Acq: 18 Nov 2022 08:09 am

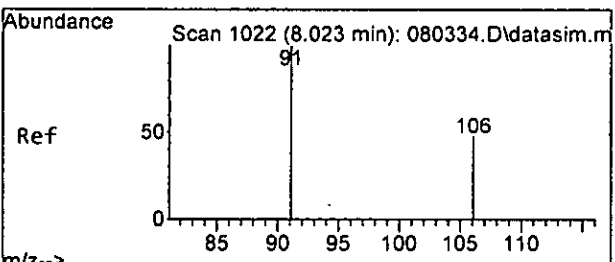
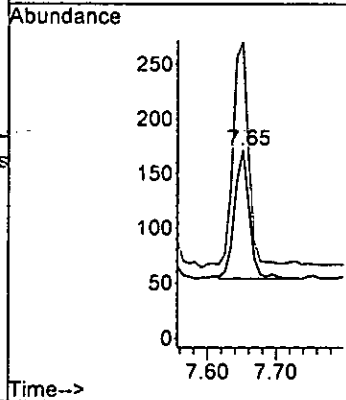
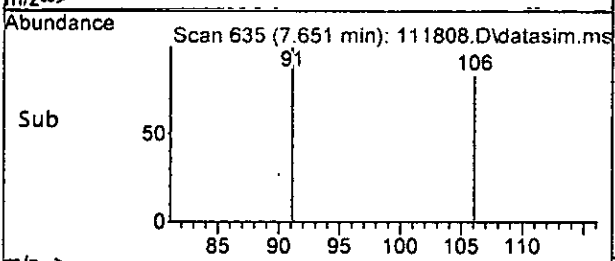
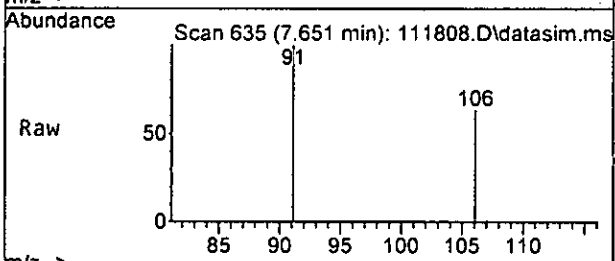
Tgt Ion	Resp	Lower	Upper
91	100		
106	35.8	0.0	59.7





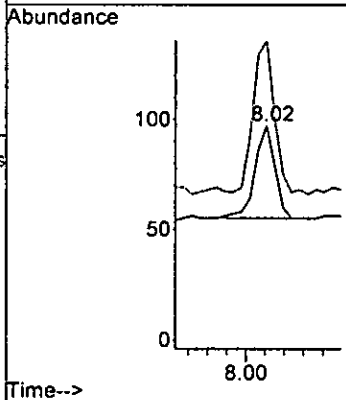
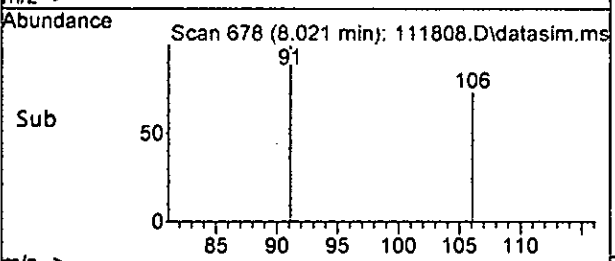
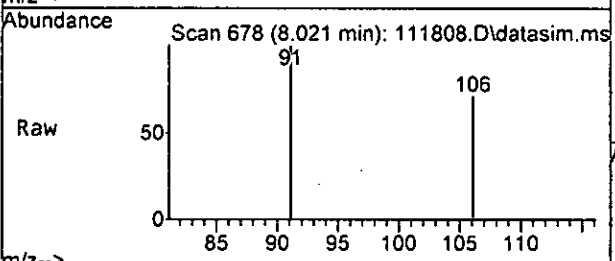
#51
 m,p-Xylene
 Concen: 0.031 ppb
 RT: 7.65 min Scan# 635
 Delta R.T. -0.000 min
 Lab File: 111808.D
 Acq: 18 Nov 2022 08:09 am

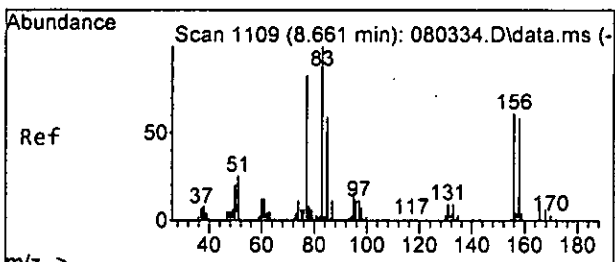
Tgt Ion:106 Resp: 175
 Ion Ratio Lower Upper
 106 100
 91 172.9 175.7 235.7#



#52
 o-Xylene
 Concen: 0.011 ppb
 RT: 8.02 min Scan# 678
 Delta R.T. -0.001 min
 Lab File: 111808.D
 Acq: 18 Nov 2022 08:09 am

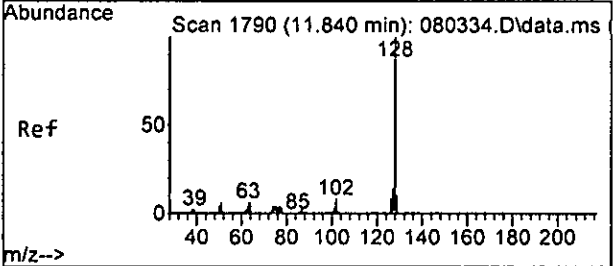
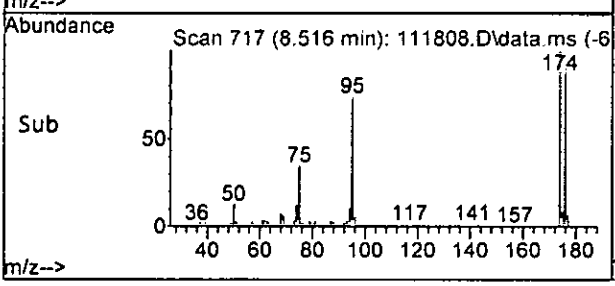
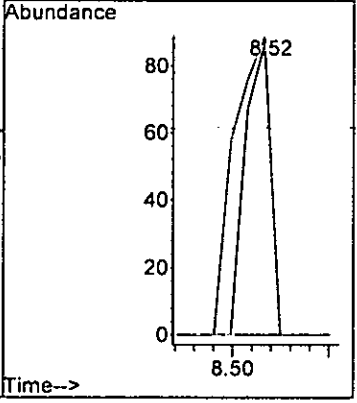
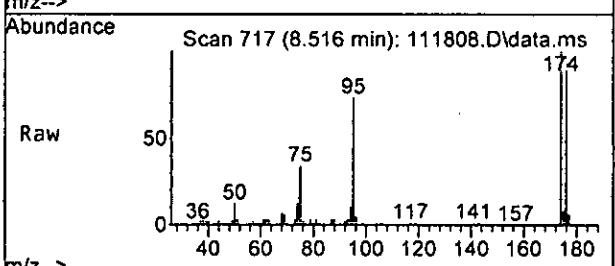
Tgt Ion:106 Resp: 60
 Ion Ratio Lower Upper
 106 100
 91 161.9 186.4 246.4#





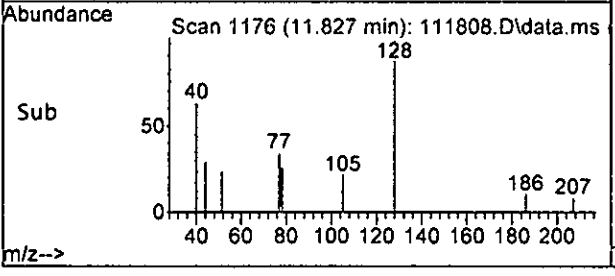
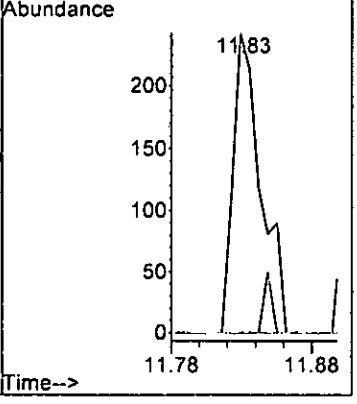
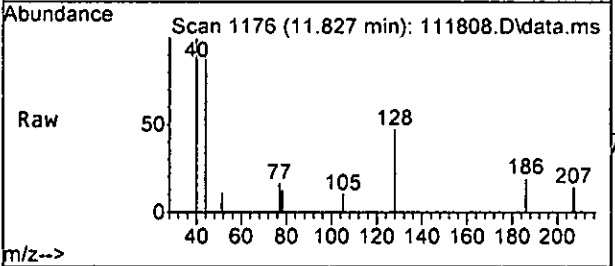
#61
 1,1,2,2-Tetrachloroethane
 Concen: Below Cal
 RT: 8.52 min Scan# 717
 Delta R.T. -0.139 min
 Lab File: 111808.D
 Acq: 18 Nov 2022 08:09 am

Tgt Ion	Resp	Lower	Upper
83	100		
131	102.3	0.0	40.8#
85	0.0	36.2	96.2#



#75
 Naphthalene
 Concen: 0.113 ppb
 RT: 11.83 min Scan# 1176
 Delta R.T. -0.008 min
 Lab File: 111808.D
 Acq: 18 Nov 2022 08:09 am

Tgt Ion	Resp	Lower	Upper
128	100		
129	0.0	0.0	40.8
127	0.0	0.0	43.1



Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111808.D
 Acq On : 18 Nov 2022 08:09 am
 Operator : LM
 Sample : 02-2768 mb 1/0.25
 Misc : water
 ALS Vial : 5 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:44:31 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) Fluorobenzene	4.73	96	97125	10.000	ppb	-0.01	
39) Chlorobenzene-d5	7.40	117	92765	10.000	ppb	0.00	
56) 1,4-Dichlorobenzene-d4	9.62	152	54272	10.000	ppb	0.00	
System Monitoring Compounds							
3) Dibromofluoromethane	4.17	113	33197	10.658	ppb	0.00	
Spiked Amount	10.000		Range 50 - 150	Recovery =	106.60%		
30) 1,2-Dichloroethane-d4	4.45	102	5899	9.773	ppb	0.00	
Spiked Amount	10.000		Range 71 - 132	Recovery =	97.70%		
35) Toluene-d8	6.10	98	96815	10.452	ppb	0.00	
Spiked Amount	10.000		Range 68 - 139	Recovery =	104.50%		
57) 4-Bromofluorobenzene	8.51	95	36804	9.842	ppb	0.00	
Spiked Amount	10.000		Range 62 - 136	Recovery =	98.40%		
Target Compounds							
2) Ethanol	2.33	45	36	No Calib			Qvalue
4) Dichlorodifluoromethane	1.13	85	33	N.D.			
5) Chloromethane	1.24	50	298	N.D.			
6) Vinyl chloride	0.00		0	N.D. d			
7) Bromomethane	0.00		0	N.D. d			
8) Chloroethane	0.00		0	N.D. d			
9) Trichlorofluoromethane	1.82	101	85	N.D.			
10) 2-Propanol	2.33	45	36	No Calib	#		
11) Acetone	2.33	58	112	Below Cal	#	1	
12) 1,1-Dichloroethene	0.00		0	N.D. d			
13) Hexane	3.16	57	312	N.D.			
14) Methylene chloride	2.68	84	4634	0.574	ppb	88	
15) t-Butyl alcohol (TBA)	0.00		0	N.D.			
16) Methyl t-butyl ether (...)	0.00		0	N.D.			
17) trans-1,2-Dichloroethene	0.00		0	N.D.			
18) Diisopropyl ether (DIPE)	0.00		0	N.D.			
19) 1,1-Dichloroethane	0.00		0	N.D.			
20) Ethyl t-butyl ether (E...)	0.00		0	N.D.			
21) 2,2-Dichloropropane	3.75	77	256	N.D.			
22) cis-1,2-Dichloroethene	0.00		0	N.D.			
23) Chloroform	0.00		0	N.D.			
24) 2-Butanone (MEK)	3.79	43	651	0.279	ppb	55	
25) t-Amyl methyl ether (T...)	0.00		0	N.D.			
26] 1,2-Dichloroethane (EDC)	4.52	62	79	Below Cal		95	
27) 1,1,1-Trichloroethane	0.00		0	N.D.			
28) 1,1-Dichloropropene	4.36	75	41	Below Cal	#	31	
29) Carbon tetrachloride	0.00		0	N.D.			
31) Benzene	4.50	78	70	N.D.			
32) Trichloroethene	0.00		0	N.D. d			
33) 1,2-Dichloropropane	5.26	63	74	N.D.			
34) Bromodichloromethane	0.00		0	N.D.			
36) Dibromomethane	0.00		0	N.D.			

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111808.D
 Acq On : 18 Nov 2022 08:09 am
 Operator : LM
 Sample : 02-2768 mb 1/0.25
 Misc : water
 ALS Vial : 5 Sample Multiplier: 1
 InstName : GCMS13

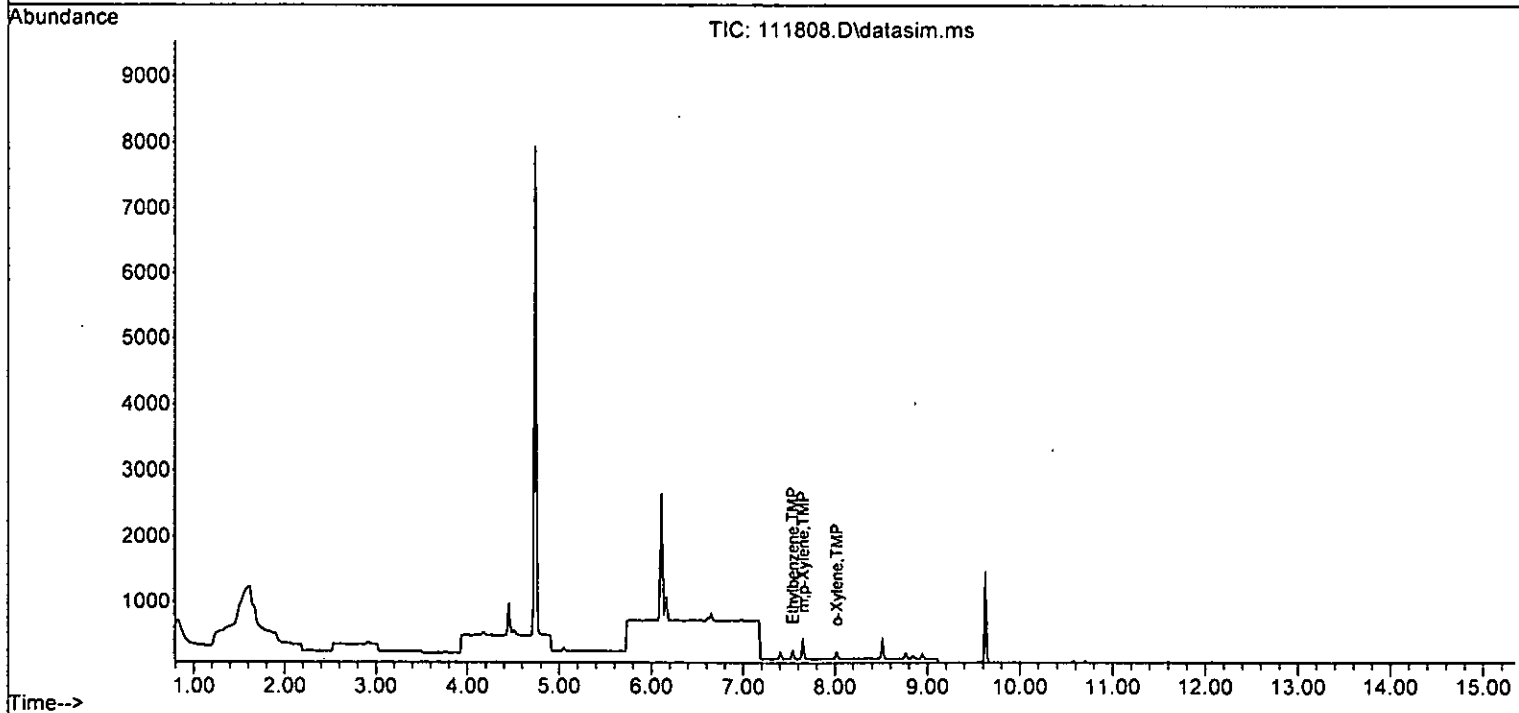
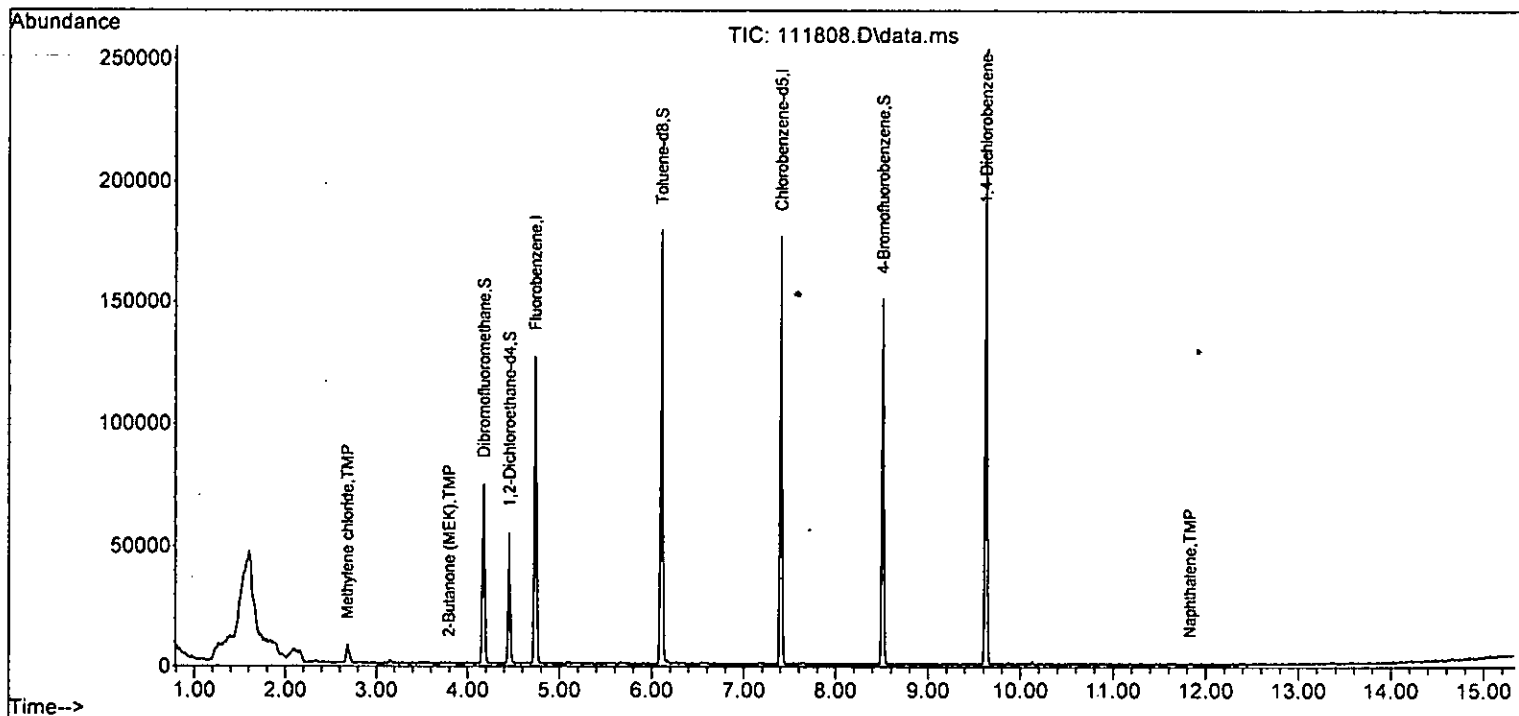
Quant Time: Nov 21 09:44:31 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.00		0	N.D.		
38) cis-1,3-Dichloropropene	0.00		0	N.D.		
40) Toluene	6.16	92	185	N.D.		
41) trans-1,3-Dichloropropene	0.00		0	N.D.	d	
42) 1,1,2-Trichloroethane	0.00		0	N.D.		
43) 2-Hexanone	6.78	43	58	N.D.		
44) 1,3-Dichloropropane	0.00		0	N.D.		
45) Tetrachloroethene	6.65	164	44	Below Cal		92
46) Dibromochloromethane	0.00		0	N.D.		
47) 1,2-Dibromoethane (EDB)	0.00		0	N.D.		
48) Chlorobenzene	0.00		0	N.D.		
49) Ethylbenzene	7.54	91	171	0.012	ppb	89
50) 1,1,1,2-Tetrachloroethane	0.00		0	N.D.		
51) m,p-Xylene	7.65	106	175	0.031	ppb #	79
52) o-Xylene	8.02	106	60	0.011	ppb #	66
53) Styrene	8.03	104	39	N.D.		
54) Isopropylbenzene	8.36	105	101	N.D.		
55) Bromoform	0.00		0	N.D.		
58) n-Propylbenzene	8.77	91	268	N.D.		
59) Bromobenzene	0.00		0	N.D.		
60) 1,3,5-Trimethylbenzene	8.94	105	170	N.D.		
61) 1,1,2,2-Tetrachloroethane	8.52	83	80	Below Cal	#	1
62) 1,2,3-Trichloropropane	0.00		0	N.D.	d	
63) 2-Chlorotoluene	8.84	91	75	N.D.		
64) 4-Chlorotoluene	8.94	91	120	N.D.		
65) tert-Butylbenzene	0.00		0	N.D.		
66) 1,2,4-Trimethylbenzene	9.30	105	240	N.D.		
67) sec-Butylbenzene	9.46	105	147	N.D.		
68) p-Isopropyltoluene	9.61	119	175	N.D.		
69) 1,3-Dichlorobenzene	9.57	146	95	N.D.		
70) 1,4-Dichlorobenzene	9.65	146	146	N.D.		
71) 1,2-Dichlorobenzene	10.01	146	89	N.D.		
72) 1,2-Dibromo-3-chloropr...	10.79	75	21	N.D.		
73) 1,2,4-Trichlorobenzene	11.60	180	143	N.D.		
74) Hexachlorobutadiene	11.78	225	24	N.D.		
75) Naphthalene	11.83	128	353	0.113	ppb	69
76) 1,2,3-Trichlorobenzene	12.07	180	68	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS13\11-18-22\
Data File : 111808.D
Acq On : 18 Nov 2022 08:09 am
Operator : LM
Sample : 02-2768 mb 1/0.25
Misc : water
ALS Vial : 5 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Nov 21 09:44:31 2022
Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
QLast Update : Mon Nov 07 15:16:10 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M



Data Path : Y:\Proc_GCMS4\11-19-22\
 Data File : 111907.D
 Acq On : 19 Nov 2022 10:12 pm
 Operator : JCM
 Sample : 02-2765 lcs rr
 Misc : soil
 ALS Vial : 7 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 19 22:27:24 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	4.78	96	58774	10.000	ppb	0.00
39) Chlorobenzene-d5	7.43	117	56015	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.65	152	37611	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.21	113	17221	10.659	ppb	0.00
Spiked Amount	10.000	Range	0 - 1000	Recovery	=	106.60%
30) 1,2-Dichloroethane-d4	4.49	102	3605	9.660	ppb	0.00
Spiked Amount	10.000	Range	90 - 109	Recovery	=	96.60%
35) Toluene-d8	6.14	98	64049	10.878	ppb	0.00
Spiked Amount	10.000	Range	89 - 112	Recovery	=	108.80%
57) 4-Bromofluorobenzene	8.54	95	26334	9.984	ppb	0.00
Spiked Amount	10.000	Range	84 - 115	Recovery	=	99.80%
Target Compounds						
2) Ethanol	1.08	45	485	No Calib	#	
4) Dichlorodifluoromethane	1.18	85	13283	5.517	ppb	93
5) Chloromethane	1.32	50	19228	8.614	ppb	95
6) Vinyl chloride	1.40	62	20686	9.769	ppb	97
7) Bromomethane	1.64	94	18610	18.901	ppb	99
8) Chloroethane	1.71	64	12846	11.568	ppb	97
9) Trichlorofluoromethane	1.90	101	38699	11.722	ppb	98
10) 2-Propanol	2.98	45	3162	No Calib		
11) Acetone	2.39	58	12383	79.371	ppb	96
12) 1,1-Dichloroethene	2.32	96	22108	11.283	ppb	83
13) Hexane	3.21	57	23438	11.443	ppb	94
14) Methylene chloride	2.74	84	26519	12.807	ppb	83
15) t-Butyl alcohol (TBA)	2.87	59	17504	58.127	ppb	95
16) Methyl t-butyl ether (...)	2.99	73	66136	11.583	ppb	98
17) trans-1,2-Dichloroethene	2.97	96	23258	11.214	ppb	# 82
18) Diisopropyl ether (DIPE)	3.40	45	57666	11.042	ppb	89
19) 1,1-Dichloroethane	3.32	63	35927	11.409	ppb	97
20) Ethyl t-butyl ether (E...)	3.70	87	29018	11.618	ppb	# 80
21) 2,2-Dichloropropane	3.81	77	27660	13.704	ppb	94
22) cis-1,2-Dichloroethene	3.81	96	26129	11.638	ppb	# 82
23) Chloroform	4.08	83	40684	11.924	ppb	100
24) 2-Butanone (MEK)	3.83	43	58372	53.367	ppb	96
25) t-Amyl methyl ether (T...)	4.65	73	64584	11.403	ppb	96
26) 1,2-Dichloroethane (EDC)	4.55	62	30439	11.820	ppb	94
27) 1,1,1-Trichloroethane	4.23	97	36133	11.548	ppb	94
28) 1,1-Dichloropropene	4.37	75	31349	11.903	ppb	89
29) Carbon tetrachloride	4.37	117	33763	11.986	ppb	93
31) Benzene	4.54	78	89132	11.796	ppb	95
32) Trichloroethene	5.09	95	25471	11.622	ppb	# 77
33) 1,2-Dichloropropane	5.27	63	20523	12.277	ppb	99
34) Bromodichloromethane	5.51	83	29144	11.487	ppb	95
36) Dibromomethane	5.37	93	15607	12.309	ppb	81

Data Path : Y:\Proc_GCMS4\11-19-22\
 Data File : 111907.D
 Acq On : 19 Nov 2022 10:12 pm
 Operator : JCM
 Sample : 02-2765 lcs rr
 Misc : soil
 ALS Vial : 7 Sample Multiplier: 1
 InstName : GCMS4

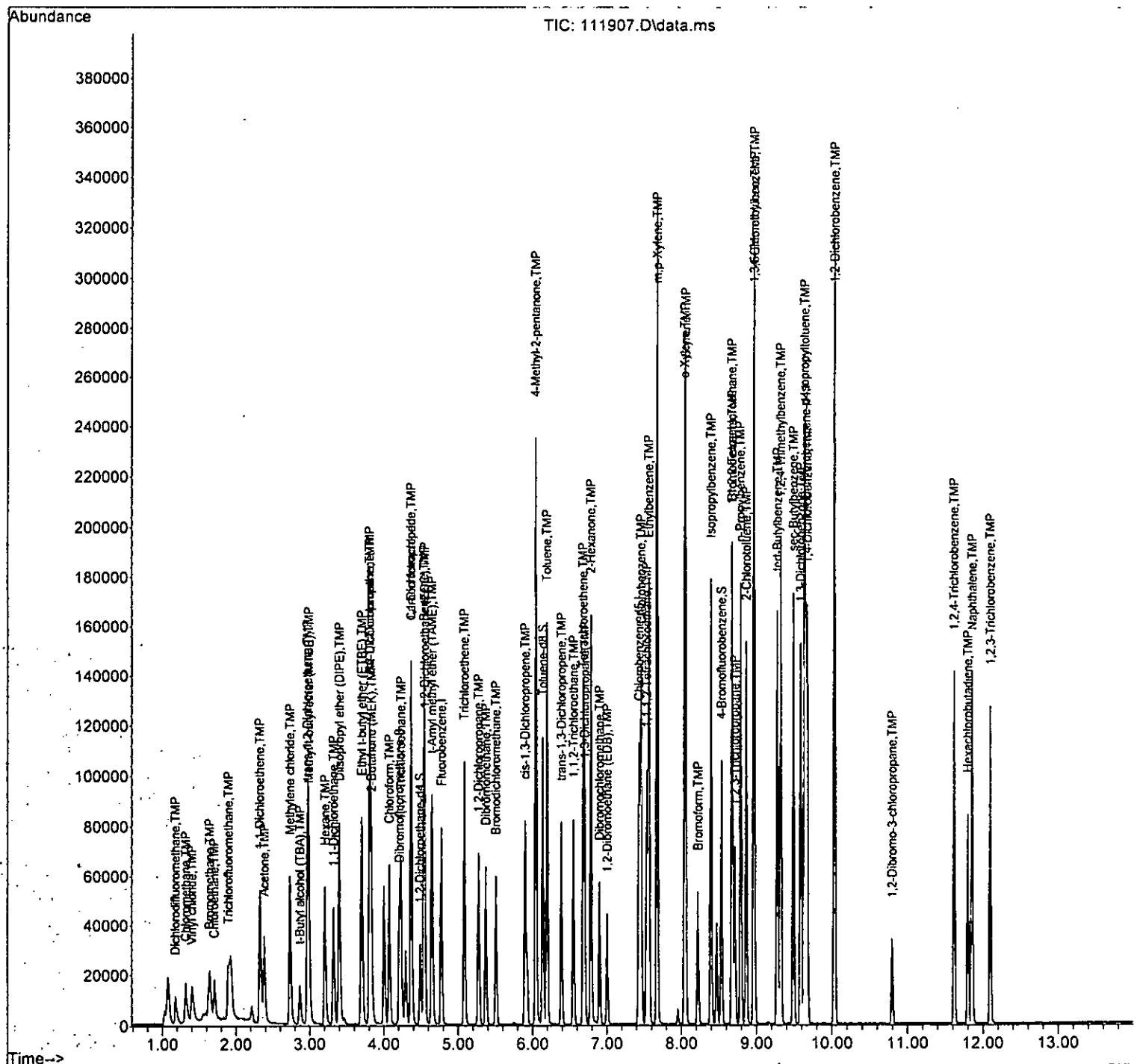
Quant Time: Nov 19 22:27:24 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	6.04	85	25700	56.867	ppb #	78
38) cis-1,3-Dichloropropene	5.90	75	34936	11.789	ppb	92
40) Toluene	6.19	92	56534	10.429	ppb	98
41) trans-1,3-Dichloropropene	6.39	75	32021	10.339	ppb	95
42) 1,1,2-Trichloroethane	6.55	83	17502	10.661	ppb	91
43) 2-Hexanone	6.79	43	83882	46.734	ppb	97
44) 1,3-Dichloropropane	6.70	76	32235	10.273	ppb	100
45) Tetrachloroethene	6.68	164	25796	10.689	ppb	99
46) Dibromochloromethane	6.90	129	26364	11.143	ppb	99
47) 1,2-Dibromoethane (EDB)	7.00	107	23607	10.584	ppb	96
48) Chlorobenzene	7.46	112	67688	10.525	ppb	88
49) Ethylbenzene	7.56	91	106514	10.305	ppb	93
50) 1,1,1,2-Tetrachloroethane	7.54	131	24697	10.361	ppb	95
51) m,p-Xylene	7.67	106	86991	20.819	ppb	89
52) o-Xylene	8.05	106	44281	10.665	ppb	89
53) Styrene	8.06	104	71049	10.083	ppb	89
54) Isopropylbenzene	8.40	105	106609	10.134	ppb	94
55) Bromoform	8.22	173	22636	11.774	ppb	98
58) n-Propylbenzene	8.79	91	122012	10.249	ppb	93
59) Bromobenzene	8.68	156	35677	10.358	ppb #	77
60) 1,3,5-Trimethylbenzene	8.97	105	91826	10.450	ppb	89
61) 1,1,2,2-Tetrachloroethane	8.67	83	31184	10.286	ppb	97
62) 1,2,3-Trichloropropane	8.72	75	23607	10.282	ppb	97
63) 2-Chlorotoluene	8.87	91	73168	10.296	ppb	87
64) 4-Chlorotoluene	8.97	91	86272	10.180	ppb	83
65) tert-Butylbenzene	9.28	119	80781	10.414	ppb	84
66) 1,2,4-Trimethylbenzene	9.32	105	94945	10.376	ppb	90
67) sec-Butylbenzene	9.49	105	107873	10.358	ppb	94
68) p-Isopropyltoluene	9.64	119	99040	10.426	ppb	91
69) 1,3-Dichlorobenzene	9.59	146	64525	10.563	ppb	95
70) 1,4-Dichlorobenzene	9.67	146	63597	10.093	ppb	94
71) 1,2-Dichlorobenzene	10.03	146	62052	10.344	ppb	95
72) 1,2-Dibromo-3-chloropr...	10.80	75	6655	10.588	ppb #	58
73) 1,2,4-Trichlorobenzene	11.62	180	45047	9.978	ppb	99
74) Hexachlorobutadiene	11.80	225	17463	10.035	ppb	94
75) Naphthalene	11.86	128	107034	9.625	ppb	99
76) 1,2,3-Trichlorobenzene	12.10	180	41981	9.825	ppb	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

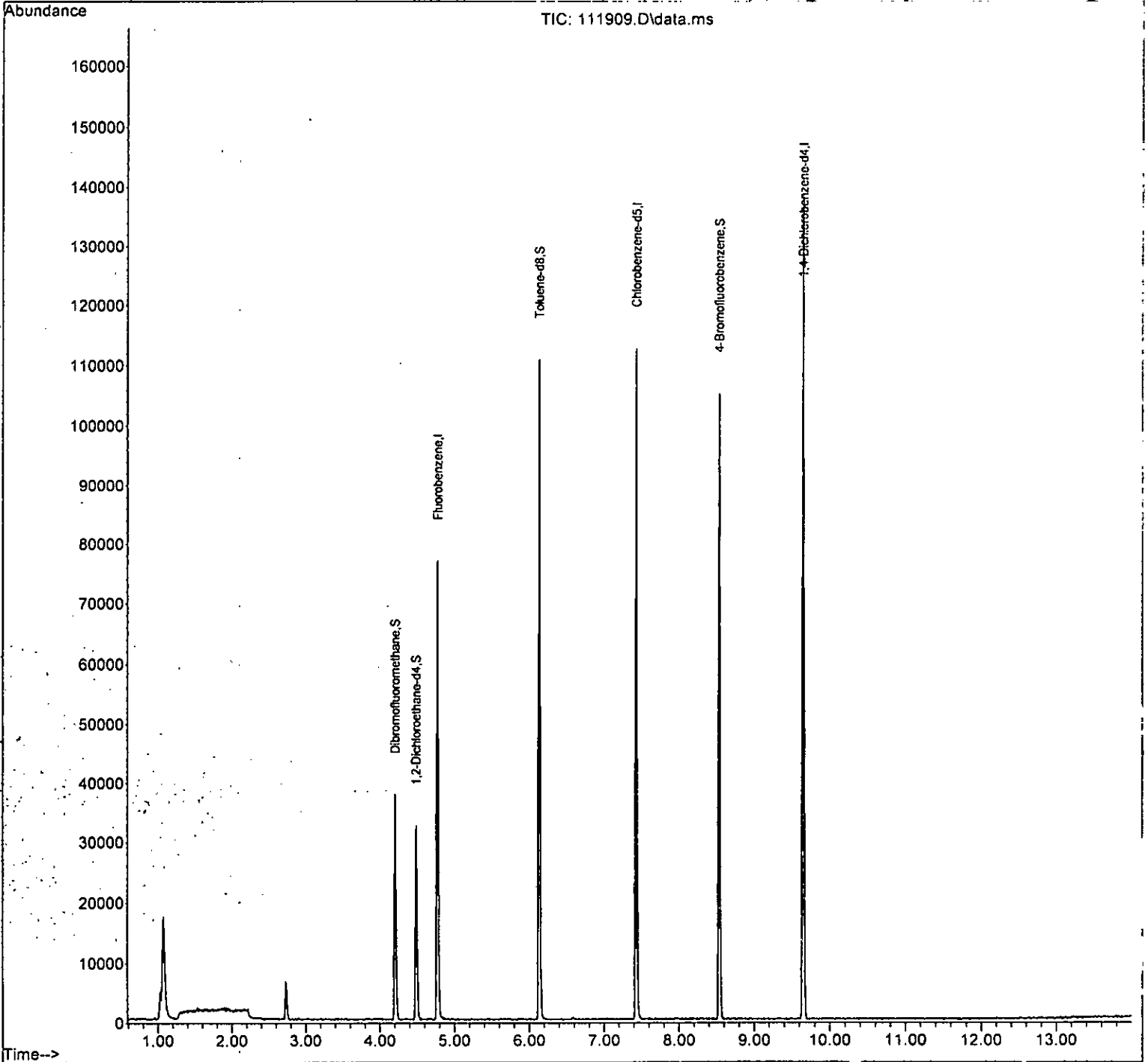
Data Path : Y:\Proc_GCMS4\11-19-22\
 Data File : 111907.D
 Acq On : 19 Nov 2022 10:12 pm
 Operator : JCM
 Sample : 02-2765 lcs rr
 Misc : soil
 ALS Vial : 7 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 19 22:27:24 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



Data Path : Y:\Proc_GCMS4\11-19-22\
 Data File : 111909.D
 Acq On : 19 Nov 2022 11:32 pm
 Operator : JCM
 Sample : 02-2765 mb
 Misc : soil
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 22 10:34:56 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



Data Path : Y:\Proc_GCMS4\11-19-22\
 Data File : 111909.D
 Acq On : 19 Nov 2022 11:32 pm
 Operator : JCM
 Sample : 02-2765 mb
 Misc : soil
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 22 10:34:56 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.78	96	59887	10.000	ppb	0.00
39) Chlorobenzene-d5	7.43	117	56485	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.65	152	38274	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.21	113	17163	10.425	ppb	0.00
Spiked Amount	10.000	Range	0 - 1000	Recovery	=	104.30%
30) 1,2-Dichloroethane-d4	4.49	102	3619	9.518	ppb	0.00
Spiked Amount	10.000	Range	90 - 109	Recovery	=	95.20%
35) Toluene-d8	6.14	98	63034	10.507	ppb	0.00
Spiked Amount	10.000	Range	89 - 112	Recovery	=	105.10%
57) 4-Bromofluorobenzene	8.54	95	25830	9.623	ppb	0.00
Spiked Amount	10.000	Range	84 - 115	Recovery	=	96.20%
Target Compounds						
2) Ethanol	1.08	45	135	No Calib	#	Qvalue
4) Dichlorodifluoromethane	0.00		0	N.D.		
5) Chloromethane	0.00		0	N.D.		
6) Vinyl chloride	0.00		0	N.D.		
7) Bromomethane	1.63	94	150	N.D.		
8) Chloroethane	0.00		0	N.D.		
9) Trichlorofluoromethane	0.00		0	N.D.		
10) 2-Propanol	0.00		0	N.D.		
11) Acetone	0.00		0	N.D.		
12) 1,1-Dichloroethene	0.00		0	N.D.		
13) Hexane	0.00		0	N.D.		
14) Methylene chloride	2.73	84	2687	Below Cal	#	79
15) t-Butyl alcohol (TBA)	0.00		0	N.D.		
16) Methyl t-butyl ether (...)	0.00		0	N.D.		
17) trans-1,2-Dichloroethene	0.00		0	N.D.		
18) Diisopropyl ether (DIPE)	0.00		0	N.D.		
19) 1,1-Dichloroethane	0.00		0	N.D.		
20) Ethyl t-butyl ether (E...)	0.00		0	N.D.		
21) 2,2-Dichloropropane	0.00		0	N.D.		
22) cis-1,2-Dichloroethene	0.00		0	N.D.		
23) Chloroform	0.00		0	N.D.		
24) 2-Butanone (MEK)	0.00		0	N.D.		
25) t-Amyl methyl ether (T...)	0.00		0	N.D.		
26) 1,2-Dichloroethane (EDC)	0.00		0	N.D.		
27) 1,1,1-Trichloroethane	0.00		0	N.D.		
28) 1,1-Dichloropropene	0.00		0	N.D.		
29) Carbon tetrachloride	0.00		0	N.D.		
31) Benzene	0.00		0	N.D.		
32) Trichloroethene	0.00		0	N.D.		
33) 1,2-Dichloropropane	0.00		0	N.D.		
34) Bromodichloromethane	0.00		0	N.D.		
36) Dibromomethane	0.00		0	N.D.		

Data Path : Y:\Proc_GCMS4\11-19-22\
 Data File : 111909.D
 Acq On : 19 Nov 2022 11:32 pm
 Operator : JCM
 Sample : 02-2765 mb
 Misc : soil
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS4

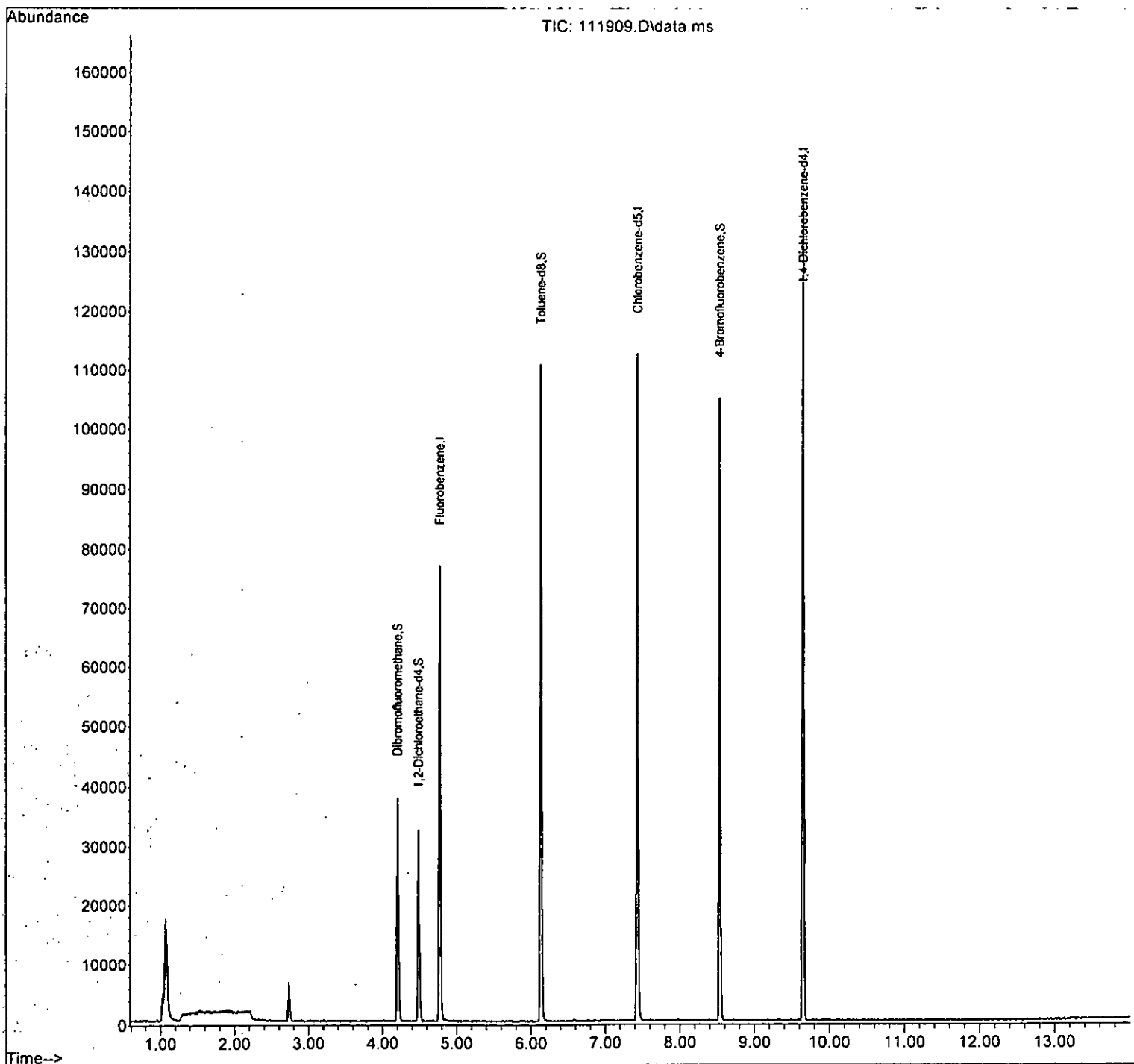
Quant Time: Nov 22 10:34:56 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 Qlast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.00		0		N.D.	
38) cis-1,3-Dichloropropene	0.00		0		N.D.	
40) Toluene	0.00		0		N.D.	
41) trans-1,3-Dichloropropene	0.00		0		N.D.	
42) 1,1,2-Trichloroethane	0.00		0		N.D.	
43) 2-Hexanone	0.00		0		N.D.	
44) 1,3-Dichloropropane	0.00		0		N.D.	
45) Tetrachloroethene	0.00		0		N.D.	
46) Dibromochloromethane	0.00		0		N.D.	
47) 1,2-Dibromoethane (EDB)	0.00		0		N.D.	
48) Chlorobenzene	0.00		0		N.D.	
49) Ethylbenzene	0.00		0		N.D.	
50) 1,1,1,2-Tetrachloroethane	0.00		0		N.D.	
51) m,p-Xylene	0.00		0		N.D.	
52) o-Xylene	0.00		0		N.D.	
53) Styrene	0.00		0		N.D.	
54) Isopropylbenzene	0.00		0		N.D.	
55) Bromoform	0.00		0		N.D.	
58) n-Propylbenzene	0.00		0		N.D.	
59) Bromobenzene	0.00		0		N.D.	
60) 1,3,5-Trimethylbenzene	0.00		0		N.D.	
61) 1,1,2,2-Tetrachloroethane	0.00		0		N.D.	
62) 1,2,3-Trichloropropane	0.00		0		N.D.	d
63) 2-Chlorotoluene	0.00		0		N.D.	
64) 4-Chlorotoluene	0.00		0		N.D.	
65) tert-Butylbenzene	0.00		0		N.D.	
66) 1,2,4-Trimethylbenzene	0.00		0		N.D.	
67) sec-Butylbenzene	0.00		0		N.D.	
68) p-Isopropyltoluene	0.00		0		N.D.	
69) 1,3-Dichlorobenzene	0.00		0		N.D.	
70) 1,4-Dichlorobenzene	0.00		0		N.D.	
71) 1,2-Dichlorobenzene	0.00		0		N.D.	
72) 1,2-Dibromo-3-chloropr...	0.00		0		N.D.	
73) 1,2,4-Trichlorobenzene	0.00		0		N.D.	
74) Hexachlorobutadiene	0.00		0		N.D.	
75) Naphthalene	0.00		0		N.D.	
76) 1,2,3-Trichlorobenzene	0.00		0		N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS4\11-19-22\
Data File : 111909.D
Acq On : 19 Nov 2022 11:32 pm
Operator : JCM
Sample : 02-2765 mb
Misc : soil
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS4

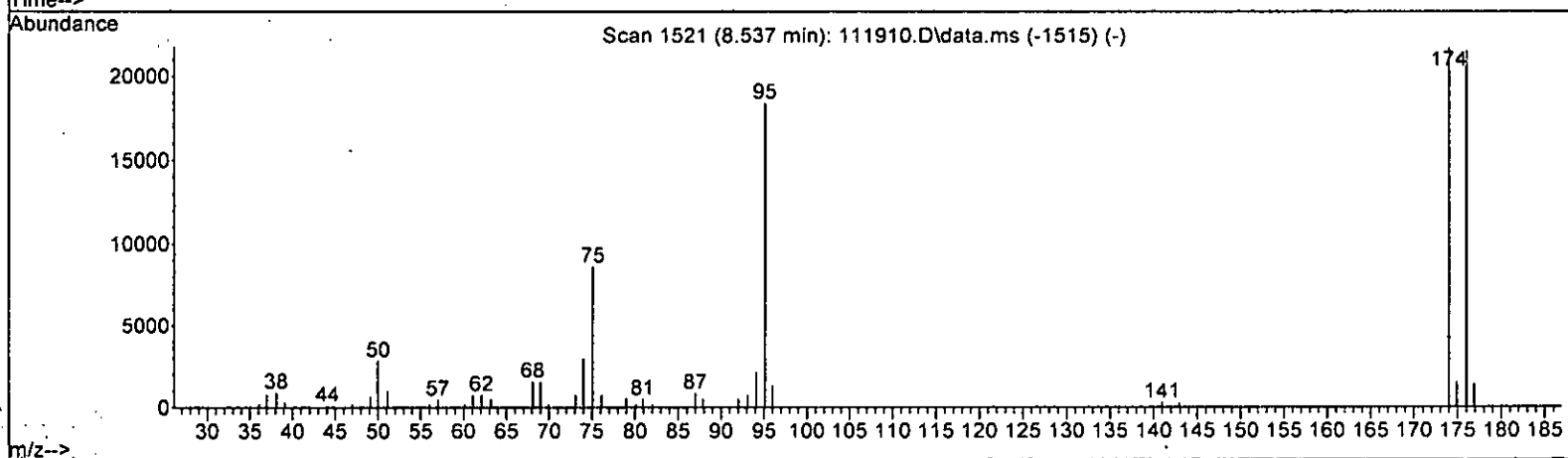
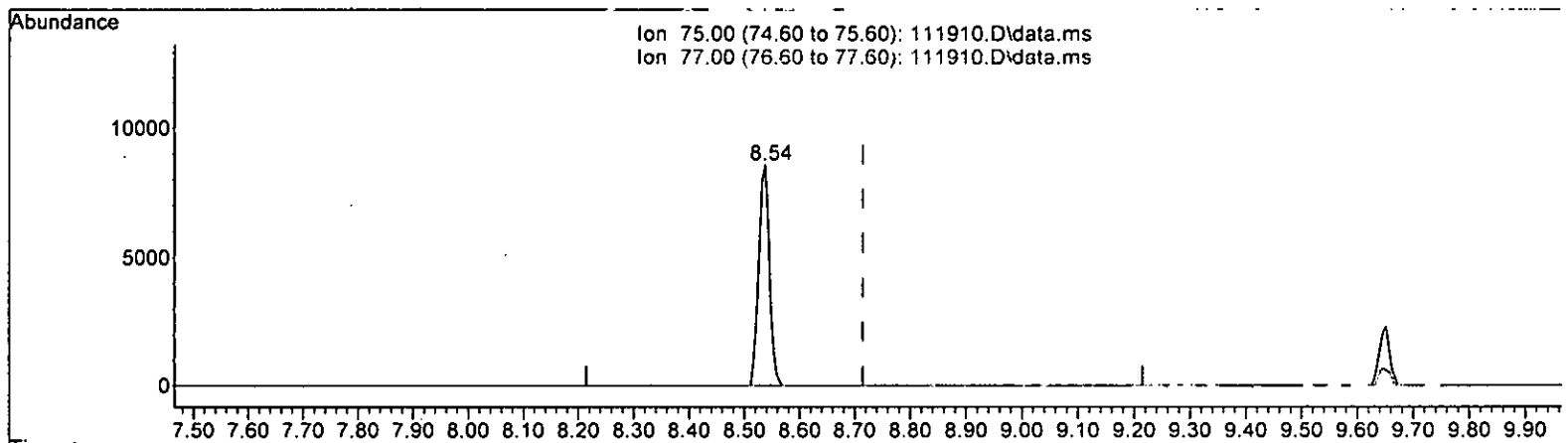
Quant Time: Nov 22 10:34:56 2022
Quant Method : Y:\Methods\Inst4\VB110822ms4.M
Quant Title : 8260 Purge & Trap Volatiles
QLast Update : Tue Nov 08 16:47:05 2022
Response via : Initial Calibration
DataAcq Meth:8260VM1.M



Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS4\11-19-22\
 Data File : 111910.D
 Acq On : 19 Nov 2022 11:56 pm
 Operator : JCM
 Sample : 211285-01
 Misc : soil
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 22 10:35:00 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



TIC: 111910.D\data.ms

(62) 1,2,3-Trichloropropane (TMP)

8.537min (-0.178) 5.140 ppb

response: 11374

Ion	Exp%	Act%
75.00	100.00	100.00
77.00	32.90	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Y:\Proc_GCMS4\11-19-22\
 Data File : 111910.D
 Acq On : 19 Nov 2022 11:56 pm
 Operator : JCM
 Sample : 211285-01
 Misc : soil
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 22 10:35:00 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	4.78	96	58528	10.000	ppb	0.00
39) Chlorobenzene-d5	7.43	117	53425	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.65	152	36248	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.21	113	16889	10.497	ppb	0.00
Spiked Amount	10.000	Range	0 - 1000	Recovery	=	105.00%
30) 1,2-Dichloroethane-d4	4.49	102	3424	9.214	ppb	0.00
Spiked Amount	10.000	Range	90 - 109	Recovery	=	92.10%
35) Toluene-d8	6.14	98	60992	10.403	ppb	0.00
Spiked Amount	10.000	Range	89 - 112	Recovery	=	104.00%
57) 4-Bromofluorobenzene	8.54	95	25057	9.857	ppb	0.00
Spiked Amount	10.000	Range	84 - 115	Recovery	=	98.60%

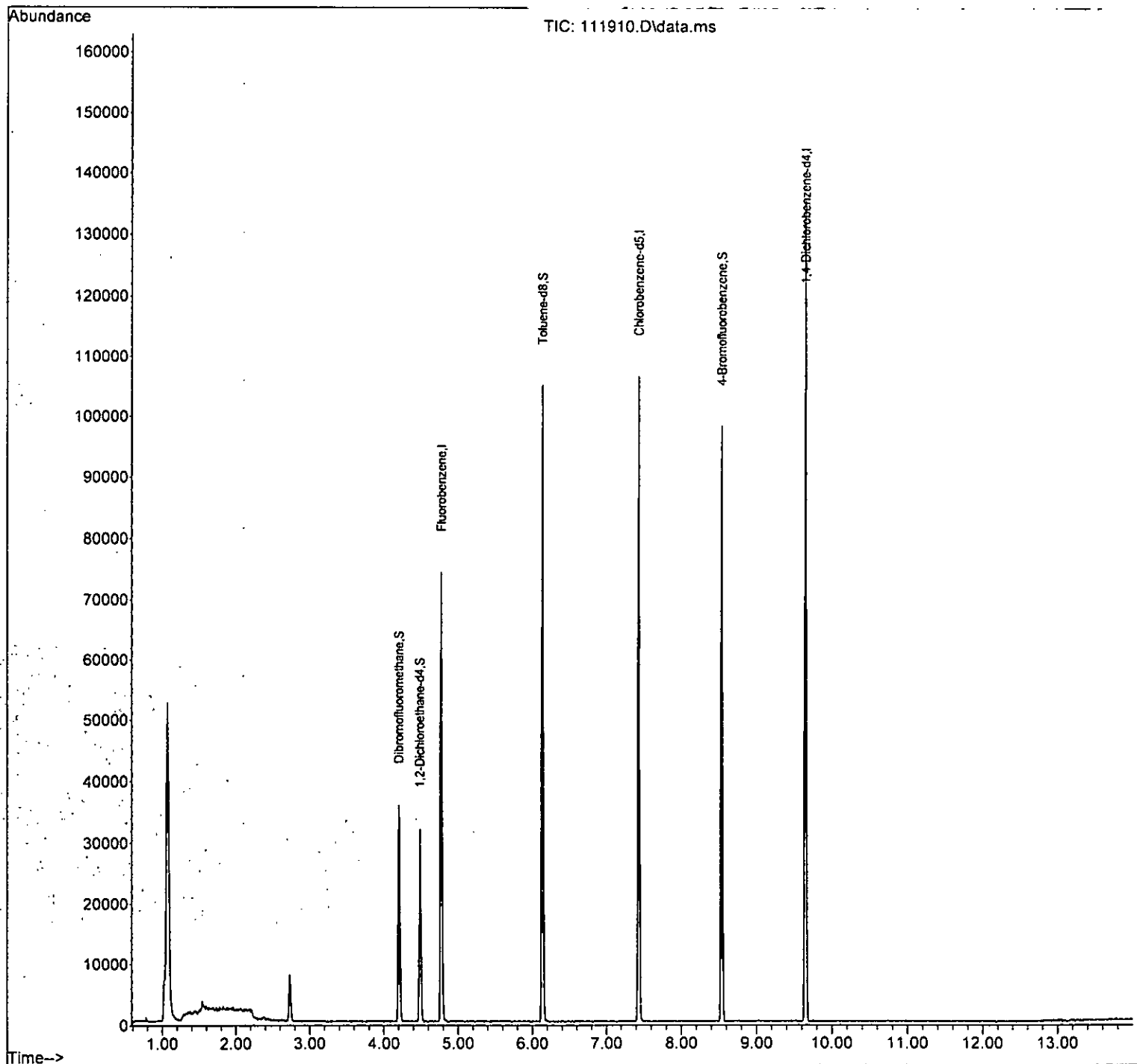
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS4\11-19-22\
Data File : 111910.D
Acq On : 19 Nov 2022 11:56 pm
Operator : JCM
Sample : 211285-01
Misc : soil
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS4

Quant Time: Nov 22 10:35:00 2022
Quant Method : Y:\Methods\Inst4\VB110822ms4.M
Quant Title : 8260 Purge & Trap Volatiles
Qlast Update : Tue Nov 08 16:47:05 2022
Response via : Initial Calibration
DataAcq Meth:8260VM1.M



Data Path : Y:\Proc_GCMS4\11-19-22\
 Data File : 111910.D
 Acq On : 19 Nov 2022 11:56 pm
 Operator : JCM
 Sample : 211285-01
 Misc : soil
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 22 10:35:00 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	4.78	96	58528	10.000	ppb	0.00
39) Chlorobenzene-d5	7.43	117	53425	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.65	152	36248	10.000	ppb	0.00

System Monitoring Compounds						
3) Dibromofluoromethane	4.21	113	16889	10.497	ppb	0.00
Spiked Amount	10.000	Range	0 - 1000	Recovery	=	105.00%
30) 1,2-Dichloroethane-d4	4.49	102	3424	9.214	ppb	0.00
Spiked Amount	10.000	Range	90 - 109	Recovery	=	92.10%
35) Toluene-d8	6.14	98	60992	10.403	ppb	0.00
Spiked Amount	10.000	Range	89 - 112	Recovery	=	104.00%
57) 4-Bromofluorobenzene	8.54	95	25057	9.857	ppb	0.00
Spiked Amount	10.000	Range	84 - 115	Recovery	=	98.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Ethanol	1.07	45	1650	No Calib		
4) Dichlorodifluoromethane	0.00		0	N.D.		
5) Chloromethane	0.00		0	N.D.		
6) Vinyl chloride	0.00		0	N.D.		
7) Bromomethane	0.00		0	N.D.		
8) Chloroethane	0.00		0	N.D.		
9) Trichlorofluoromethane	0.00		0	N.D.		
10) 2-Propanol	0.00		0	N.D.		
11) Acetone	0.00		0	N.D.		
12) 1,1-Dichloroethene	0.00		0	N.D.		
13) Hexane	0.00		0	N.D.		
14) Methylene chloride	2.73	84	3417	N.D.		
15) t-Butyl alcohol (TBA)	0.00		0	N.D.		
16) Methyl t-butyl ether (...)	0.00		0	N.D.		
17) trans-1,2-Dichloroethene	0.00		0	N.D.		
18) Diisopropyl ether (DIPE)	0.00		0	N.D.		
19) 1,1-Dichloroethane	0.00		0	N.D.		
20) Ethyl t-butyl ether (E...)	0.00		0	N.D.		
21) 2,2-Dichloropropane	0.00		0	N.D.		
22) cis-1,2-Dichloroethene	0.00		0	N.D.		
23) Chloroform	0.00		0	N.D.		
24) 2-Butanone (MEK)	0.00		0	N.D.		
25) t-Amyl methyl ether (T...)	0.00		0	N.D.		
26) 1,2-Dichloroethane (EDC)	0.00		0	N.D.		
27) 1,1,1-Trichloroethane	0.00		0	N.D.		
28) 1,1-Dichloropropene	0.00		0	N.D.		
29) Carbon tetrachloride	0.00		0	N.D.		
31) Benzene	0.00		0	N.D.		
32) Trichloroethene	0.00		0	N.D.		
33) 1,2-Dichloropropane	0.00		0	N.D.		
34) Bromodichloromethane	0.00		0	N.D.		
36) Dibromomethane	0.00		0	N.D.		

Data Path : Y:\Proc_GCMS4\11-19-22\
 Data File : 111910.D
 Acq On : 19 Nov 2022 11:56 pm
 Operator : JCM
 Sample : 211285-01
 Misc : soil
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS4

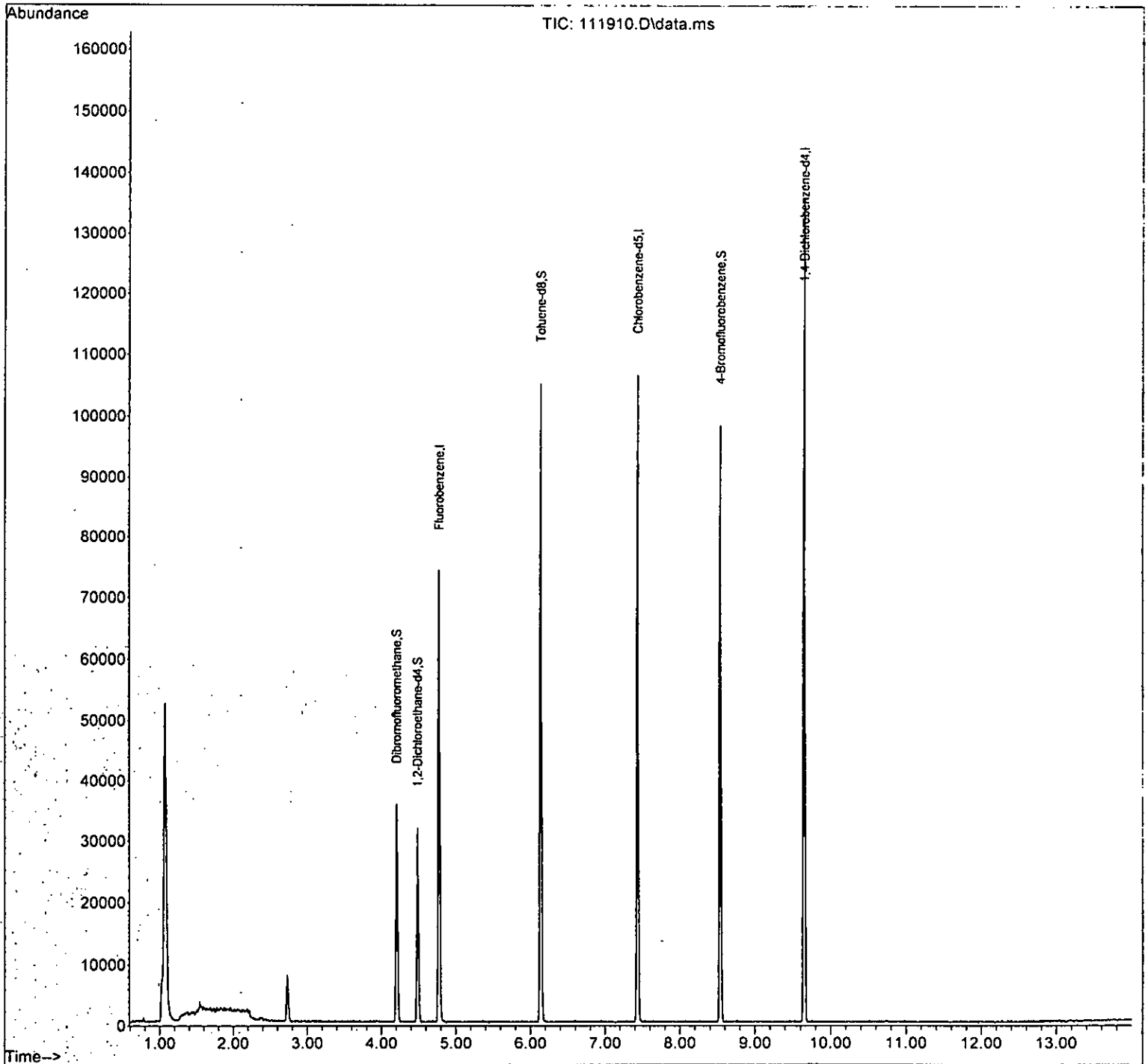
Quant Time: Nov 22 10:35:00 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.00		0		N.D.	
38) cis-1,3-Dichloropropene	0.00		0		N.D.	
40) Toluene	0.00		0		N.D.	
41) trans-1,3-Dichloropropene	0.00		0		N.D.	
42) 1,1,2-Trichloroethane	0.00		0		N.D.	
43) 2-Hexanone	0.00		0		N.D.	
44) 1,3-Dichloropropane	0.00		0		N.D.	
45) Tetrachloroethene	0.00		0		N.D.	
46) Dibromochloromethane	0.00		0		N.D.	
47) 1,2-Dibromoethane (EDB)	0.00		0		N.D.	
48) Chlorobenzene	0.00		0		N.D.	
49) Ethylbenzene	0.00		0		N.D.	
50) 1,1,1,2-Tetrachloroethane	0.00		0		N.D.	
51) m,p-Xylene	0.00		0		N.D.	
52) o-Xylene	0.00		0		N.D.	
53) Styrene	0.00		0		N.D.	
54) Isopropylbenzene	0.00		0		N.D.	
55) Bromoform	0.00		0		N.D.	
58) n-Propylbenzene	0.00		0		N.D.	
59) Bromobenzene	0.00		0		N.D.	
60) 1,3,5-Trimethylbenzene	0.00		0		N.D.	
61) 1,1,2,2-Tetrachloroethane	0.00		0		N.D.	
62) 1,2,3-Trichloropropane	0.00		0		N.D.	d
63) 2-Chlorotoluene	0.00		0		N.D.	
64) 4-Chlorotoluene	0.00		0		N.D.	
65) tert-Butylbenzene	0.00		0		N.D.	
66) 1,2,4-Trimethylbenzene	0.00		0		N.D.	
67) sec-Butylbenzene	0.00		0		N.D.	
68) p-Isopropyltoluene	0.00		0		N.D.	
69) 1,3-Dichlorobenzene	0.00		0		N.D.	
70) 1,4-Dichlorobenzene	0.00		0		N.D.	
71) 1,2-Dichlorobenzene	0.00		0		N.D.	
72) 1,2-Dibromo-3-chloropr...	0.00		0		N.D.	
73) 1,2,4-Trichlorobenzene	0.00		0		N.D.	
74) Hexachlorobutadiene	0.00		0		N.D.	
75) Naphthalene	0.00		0		N.D.	
76) 1,2,3-Trichlorobenzene	0.00		0		N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS4\11-19-22\
 Data File : 111910.D
 Acq On : 19 Nov 2022 11:56 pm
 Operator : JCM
 Sample : 211285-01
 Misc : soil
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 22 10:35:00 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



Data Path : Y:\Proc_GCMS4\11-19-22\
 Data File : 111912.D
 Acq On : 20 Nov 2022 12:45 am
 Operator : JCM
 Sample : 211285-01 ms
 Misc : soil
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 22 10:35:06 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.77	96	60664	10.000	ppb	0.00
39) Chlorobenzene-d5	7.43	117	59266	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.65	152	38574	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.21	113	17055	10.227	ppb	0.00
Spiked Amount	10.000	Range	0 - 1000	Recovery	=	102.30%
30) 1,2-Dichloroethane-d4	4.49	102	3760	9.762	ppb	0.00
Spiked Amount	10.000	Range	90 - 109	Recovery	=	97.60%
35) Toluene-d8	6.14	98	66025	10.865	ppb	0.00
Spiked Amount	10.000	Range	89 - 112	Recovery	=	108.60%
57) 4-Bromofluorobenzene	8.54	95	27678	10.231	ppb	0.00
Spiked Amount	10.000	Range	84 - 115	Recovery	=	102.30%
Target Compounds						
2) Ethanol	1.07	45	1177	No Calib		Qvalue
4) Dichlorodifluoromethane	1.17	85	1128	N.D.		
5) Chloromethane	1.31	50	7003	3.040	ppb	90
6) Vinyl chloride	1.40	62	5765	2.638	ppb	93
7) Bromomethane	1.63	94	7546	7.425	ppb	90
8) Chloroethane	1.70	64	5132	4.477	ppb	98
9) Trichlorofluoromethane	1.89	101	8823	2.589	ppb	91
10) 2-Propanol	2.98	45	1702	No Calib		
11) Acetone	2.38	58	7619	46.223	ppb	90
12) 1,1-Dichloroethene	2.32	96	7499	3.708	ppb	90
13) Hexane	3.21	57	2783	1.316	ppb	97
14) Methylene chloride	2.73	84	15477	6.543	ppb	83
15) t-Butyl alcohol (TBA)	2.86	59	11956	38.467	ppb	90
16) Methyl t-butyl ether (...)	2.98	73	39165	6.646	ppb	98
17) trans-1,2-Dichloroethene	2.97	96	10751	5.022	ppb	# 81
18) Diisopropyl ether (DIPE)	3.40	45	33487	6.212	ppb	93
19) 1,1-Dichloroethane	3.32	63	18390	5.658	ppb	99
20) Ethyl t-butyl ether (E...)	3.70	87	16456	6.383	ppb	# 77
21) 2,2-Dichloropropane	3.81	77	13285	6.267	ppb	92
22) cis-1,2-Dichloroethene	3.81	96	14150	6.106	ppb	# 78
23) Chloroform	4.08	83	22497	6.383	ppb	95
24) 2-Butanone (MEK)	3.83	43	35996	31.884	ppb	94
25) t-Amyl methyl ether (T...)	4.65	73	38034	6.506	ppb	100
26) 1,2-Dichloroethane (EDC)	4.55	62	17729	6.670	ppb	100
27) 1,1,1-Trichloroethane	4.23	97	17733	5.491	ppb	95
28) 1,1-Dichloropropene	4.37	75	14437	5.311	ppb	91
29) Carbon tetrachloride	4.37	117	15426	5.306	ppb	90
31) Benzene	4.54	78	48459	6.213	ppb	95
32) Trichloroethene	5.09	95	13708	6.060	ppb	# 77
33) 1,2-Dichloropropane	5.27	63	11879	6.885	ppb	97
34) Bromodichloromethane	5.51	83	16696	6.376	ppb	94
36) Dibromomethane	5.37	93	9264	7.079	ppb	90

Data Path : Y:\Proc_GCMS4\11-19-22\
 Data File : 111912.D
 Acq On : 20 Nov 2022 12:45 am
 Operator : JCM
 Sample : 211285-01 ms
 Misc : soil
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS4

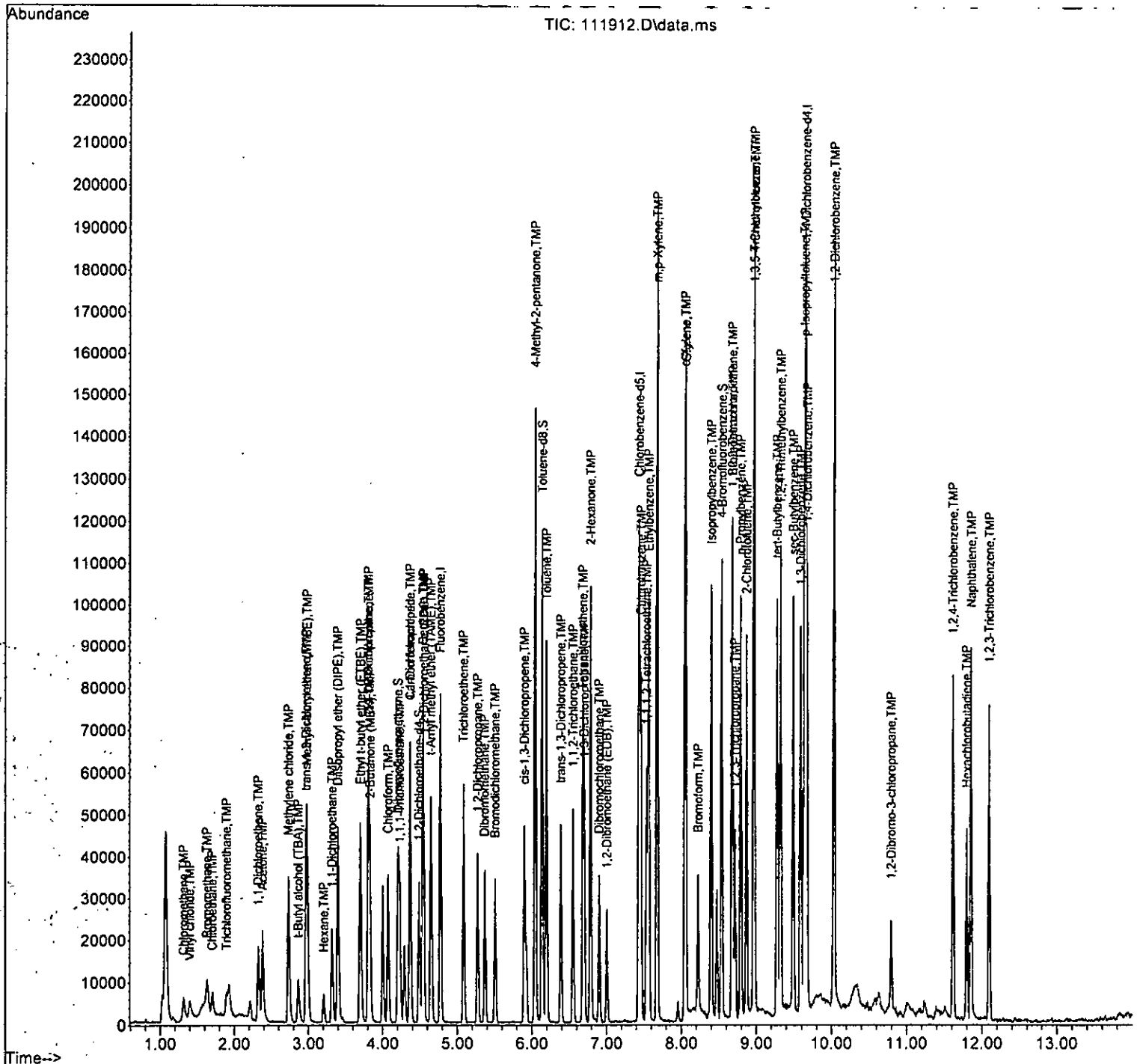
Quant Time: Nov 22 10:35:06 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	6.04	85	15718	33.696	ppb #	80
38) cis-1,3-Dichloropropene	5.90	75	20484	6.697	ppb	91
40) Toluene	6.19	92	31874	5.558	ppb	97
41) trans-1,3-Dichloropropene	6.39	75	19402	5.921	ppb	96
42) 1,1,2-Trichloroethane	6.55	83	10402	5.988	ppb	85
43) 2-Hexanone	6.79	43	53830	28.346	ppb	95
44) 1,3-Dichloropropane	6.70	76	19910	5.997	ppb	99
45) Tetrachloroethene	6.68	164	14073	5.511	ppb	96
46) Dibromochloromethane	6.90	129	15962	6.417	ppb	95
47) 1,2-Dibromoethane (EDB)	7.00	107	14378	6.092	ppb	93
48) Chlorobenzene	7.46	112	40967	6.021	ppb	89
49) Ethylbenzene	7.56	91	62849	5.747	ppb	93
50) 1,1,1,2-Tetrachloroethane	7.54	131	15087	5.982	ppb	96
51) m,p-Xylene	7.67	106	51905	11.741	ppb	85
52) o-Xylene	8.05	106	27142	6.179	ppb	85
53) Styrene	8.06	104	42627	5.717	ppb	89
54) Isopropylbenzene	8.40	105	62065	5.576	ppb	95
55) Bromoform	8.22	173	13720	6.801	ppb	99
58) n-Propylbenzene	8.79	91	71129	5.826	ppb	94
59) Bromobenzene	8.68	156	21577	6.108	ppb #	78
60) 1,3,5-Trimethylbenzene	8.97	105	52916	5.872	ppb	83
61) 1,1,2,2-Tetrachloroethane	8.67	83	18970	6.101	ppb	95
62) 1,2,3-Trichloropropane	8.71	75	14477	6.148	ppb	97
63) 2-Chlorotoluene	8.87	91	43734	6.000	ppb	85
64) 4-Chlorotoluene	8.97	91	51016	5.870	ppb	86
65) tert-Butylbenzene	9.27	119	46831	5.887	ppb	87
66) 1,2,4-Trimethylbenzene	9.32	105	54925	5.852	ppb	95
67) sec-Butylbenzene	9.49	105	62367	5.839	ppb	92
68) p-Isopropyltoluene	9.64	119	56204	5.769	ppb	93
69) 1,3-Dichlorobenzene	9.59	146	37900	6.050	ppb	95
70) 1,4-Dichlorobenzene	9.67	146	38059	5.889	ppb	95
71) 1,2-Dichlorobenzene	10.03	146	37293	6.062	ppb	93
72) 1,2-Dibromo-3-chloropr...	10.80	75	3673	5.698	ppb #	51
73) 1,2,4-Trichlorobenzene	11.62	180	25765	5.565	ppb	95
74) Hexachlorobutadiene	11.80	225	9919	5.558	ppb	93
75) Naphthalene	11.86	128	65794	5.769	ppb	98
76) 1,2,3-Trichlorobenzene	12.10	180	24136	5.508	ppb	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS4\11-19-22\
 Data File : 111912.D
 Acq On : 20 Nov 2022 12:45 am
 Operator : JCM
 Sample : 211285-01 ms
 Misc : soil
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 22 10:35:06 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



Data Path : Y:\Proc_GCMS4\11-19-22\
 Data File : 111913.D
 Acq On : 20 Nov 2022 1:09 am
 Operator : JCM
 Sample : 211285-01 msd
 Misc : soil
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 22 10:35:10 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	4.77	96	63653	10.000	ppb	0.00	
39) Chlorobenzene-d5	7.43	117	60650	10.000	ppb	0.00	
56) 1,4-Dichlorobenzene-d4	9.65	152	41050	10.000	ppb	0.00	
System Monitoring Compounds							
3) Dibromofluoromethane	4.21	113	18363	10.494	ppb	0.00	
Spiked Amount	10.000	Range	0 - 1000	Recovery	=	104.90%	
30) 1,2-Dichloroethane-d4	4.49	102	3948	9.769	ppb	0.00	
Spiked Amount	10.000	Range	90 - 109	Recovery	=	97.70%	
35) Toluene-d8	6.14	98	68187	10.694	ppb	0.00	
Spiked Amount	10.000	Range	89 - 112	Recovery	=	106.90%	
57) 4-Bromofluorobenzene	8.54	95	28127	9.770	ppb	0.00	
Spiked Amount	10.000	Range	84 - 115	Recovery	=	97.70%	
Target Compounds							
2) Ethanol	1.07	45	1536	- No Calib			Qvalue
4) Dichlorodifluoromethane	1.18	85	1082	N.D.			
5) Chloromethane	1.32	50	7090	2.933	ppb		97
6) Vinyl chloride	1.40	62	6098	2.659	ppb		97
7) Bromomethane	1.64	94	9169	8.599	ppb		98
8) Chloroethane	1.71	64	5278	4.389	ppb		98
9) Trichlorofluoromethane	1.90	101	9713	2.717	ppb		99
10) 2-Propanol	2.99	45	1774	No Calib			
11) Acetone	2.38	58	7697	44.316	ppb	#	84
12) 1,1-Dichloroethene	2.32	96	8376	3.947	ppb		82
13) Hexane	3.21	57	3189	1.438	ppb		84
14) Methylene chloride	2.73	84	15979	6.412	ppb		86
15) t-Butyl alcohol (TBA)	2.87	59	12265	37.608	ppb		93
16) Methyl t-butyl ether (...)	2.98	73	41151	6.655	ppb		96
17) trans-1,2-Dichloroethene	2.97	96	11267	5.016	ppb	#	82
18) Diisopropyl ether (DIPE)	3.40	45	34427	6.087	ppb		95
19) 1,1-Dichloroethane	3.32	63	19651	5.762	ppb		96
20) Ethyl t-butyl ether (E...)	3.70	87	17199	6.358	ppb	#	81
21) 2,2-Dichloropropane	3.81	77	13701	6.156	ppb		97
22) cis-1,2-Dichloroethene	3.80	96	14747	6.065	ppb		83
23) Chloroform	4.08	83	23346	6.312	ppb		100
24) 2-Butanone (MEK)	3.83	43	37083	31.305	ppb		95
25) t-Amyl methyl ether (T...)	4.65	73	39574	6.452	ppb		98
26) 1,2-Dichloroethane (EDC)	4.55	62	18406	6.599	ppb		96
27) 1,1,1-Trichloroethane	4.23	97	18450	5.444	ppb		93
28) 1,1-Dichloropropene	4.37	75	15599	5.469	ppb		89
29) Carbon tetrachloride	4.37	117	16031	5.255	ppb		96
31) Benzene	4.54	78	49339	6.029	ppb		92
32) Trichloroethene	5.09	95	14176	5.973	ppb	#	75
33) 1,2-Dichloropropane	5.27	63	12081	6.673	ppb		98
34) Bromodichloromethane	5.51	83	17197	6.259	ppb		93
36) Dibromomethane	5.37	93	9242	6.730	ppb	#	78

Data Path : Y:\Proc_GCMS4\11-19-22\
 Data File : 111913.D
 Acq On : 20 Nov 2022 1:09 am
 Operator : JCM
 Sample : 211285-01 msd
 Misc : soil
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS4

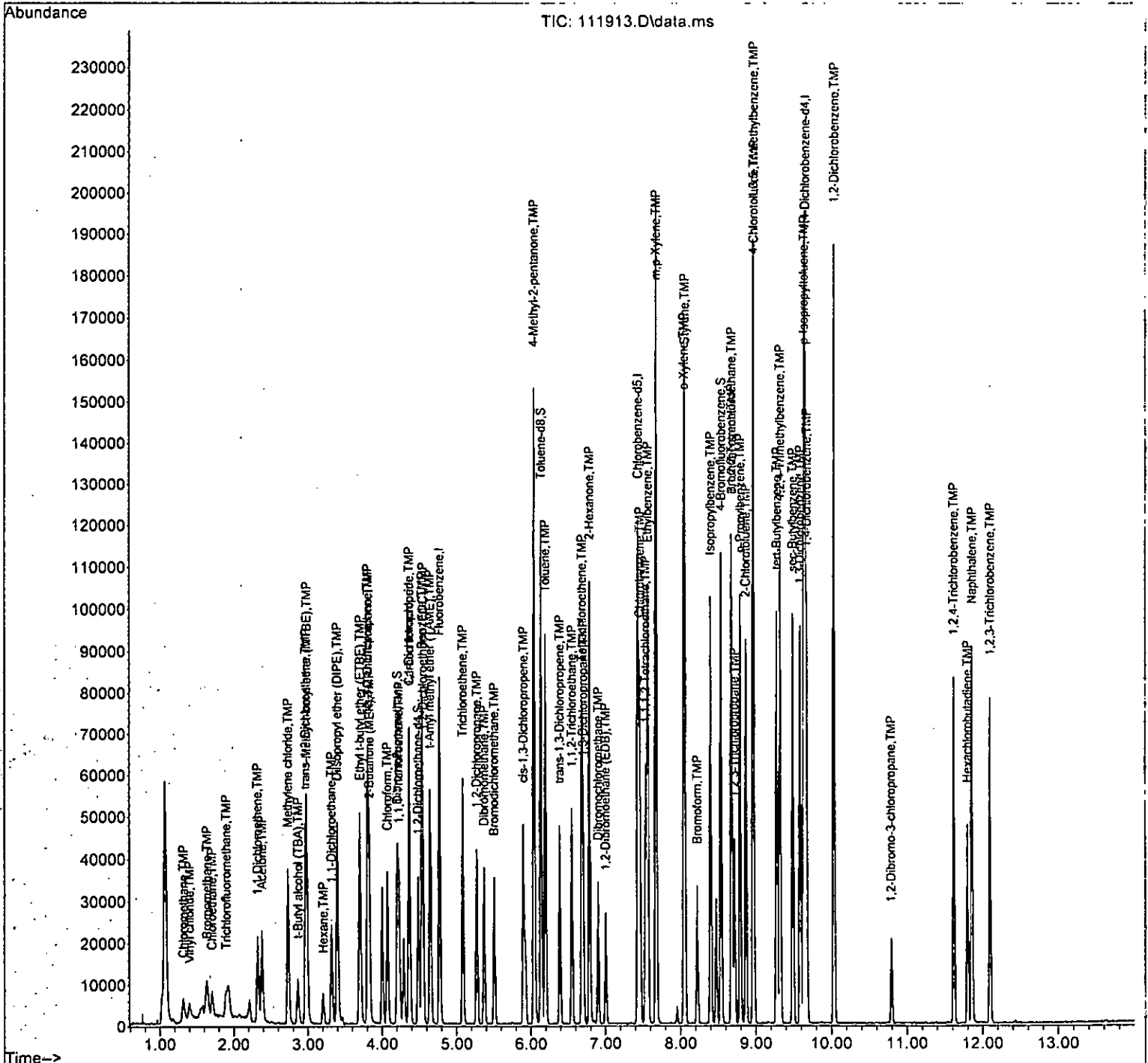
Quant Time: Nov 22 10:35:10 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
37) 4-Methyl-2-pentanone	6.04	85	16112	32.919	ppb	#	83
38) cis-1,3-Dichloropropene	5.90	75	20796	6.480	ppb		89
40) Toluene	6.19	92	32282	5.500	ppb		99
41) trans-1,3-Dichloropropene	6.39	75	18808	5.609	ppb		95
42) 1,1,2-Trichloroethane	6.55	83	10936	6.152	ppb		94
43) 2-Hexanone	6.79	43	53851	27.710	ppb		97
44) 1,3-Dichloropropane	6.70	76	20160	5.934	ppb		97
45) Tetrachloroethene	6.69	164	14405	5.513	ppb		96
46) Dibromochloromethane	6.91	129	15828	6.220	ppb		98
47) 1,2-Dibromoethane (EDB)	7.00	107	14356	5.944	ppb		100
48) Chlorobenzene	7.46	112	41301	5.931	ppb		89
49) Ethylbenzene	7.56	91	64137	5.731	ppb		92
50) 1,1,1,2-Tetrachloroethane	7.54	131	14952	5.793	ppb		93
51) m,p-Xylene	7.67	106	51772	11.444	ppb		90
52) o-Xylene	8.05	106	26383	5.869	ppb		93
53) Styrene	8.06	104	42979	5.633	ppb		86
54) Isopropylbenzene	8.40	105	62404	5.479	ppb		93
55) Bromoform	8.22	173	13609	6.595	ppb		98
58) n-Propylbenzene	8.79	91	71468	5.500	ppb		91
59) Bromobenzene	8.68	156	21812	5.802	ppb	#	79
60) 1,3,5-Trimethylbenzene	8.97	105	53163	5.543	ppb		90
61) 1,1,2,2-Tetrachloroethane	8.68	83	19286	5.828	ppb		95
62) 1,2,3-Trichloropropane	8.71	75	15013	5.991	ppb		100
63) 2-Chlorotoluene	8.87	91	44369	5.720	ppb		88
64) 4-Chlorotoluene	8.97	91	51490	5.567	ppb		82
65) tert-Butylbenzene	9.28	119	47851	5.652	ppb		83
66) 1,2,4-Trimethylbenzene	9.32	105	56209	5.628	ppb		92
67) sec-Butylbenzene	9.49	105	63197	5.560	ppb		94
68) p-Isopropyltoluene	9.64	119	57526	5.549	ppb		93
69) 1,3-Dichlorobenzene	9.59	146	38904	5.835	ppb		96
70) 1,4-Dichlorobenzene	9.67	146	38338	5.575	ppb		96
71) 1,2-Dichlorobenzene	10.03	146	37802	5.774	ppb		92
72) 1,2-Dibromo-3-chloropr...	10.79	75	3956	5.767	ppb		75
73) 1,2,4-Trichlorobenzene	11.62	180	25896	5.256	ppb		95
74) Hexachlorobutadiene	11.80	225	10089	5.312	ppb		97
75) Naphthalene	11.86	128	67444	5.557	ppb		100
76) 1,2,3-Trichlorobenzene	12.10	180	24185	5.186	ppb		94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS4\11-19-22\
 Data File : 111913.D
 Acq On : 20 Nov 2022 1:09 am
 Operator : JCM
 Sample : 211285-01 msd
 Misc : soil
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 22 10:35:10 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



Data Path : D:\Proc_GCMS13\11-19-22\
 Data File : 111908.D
 Acq On : 19 Nov 2022 11:08 pm
 Operator : JCM
 Sample : 02-2765 mb 1/0.25
 Misc : soil
 ALS Vial : 3 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 11:55:08 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

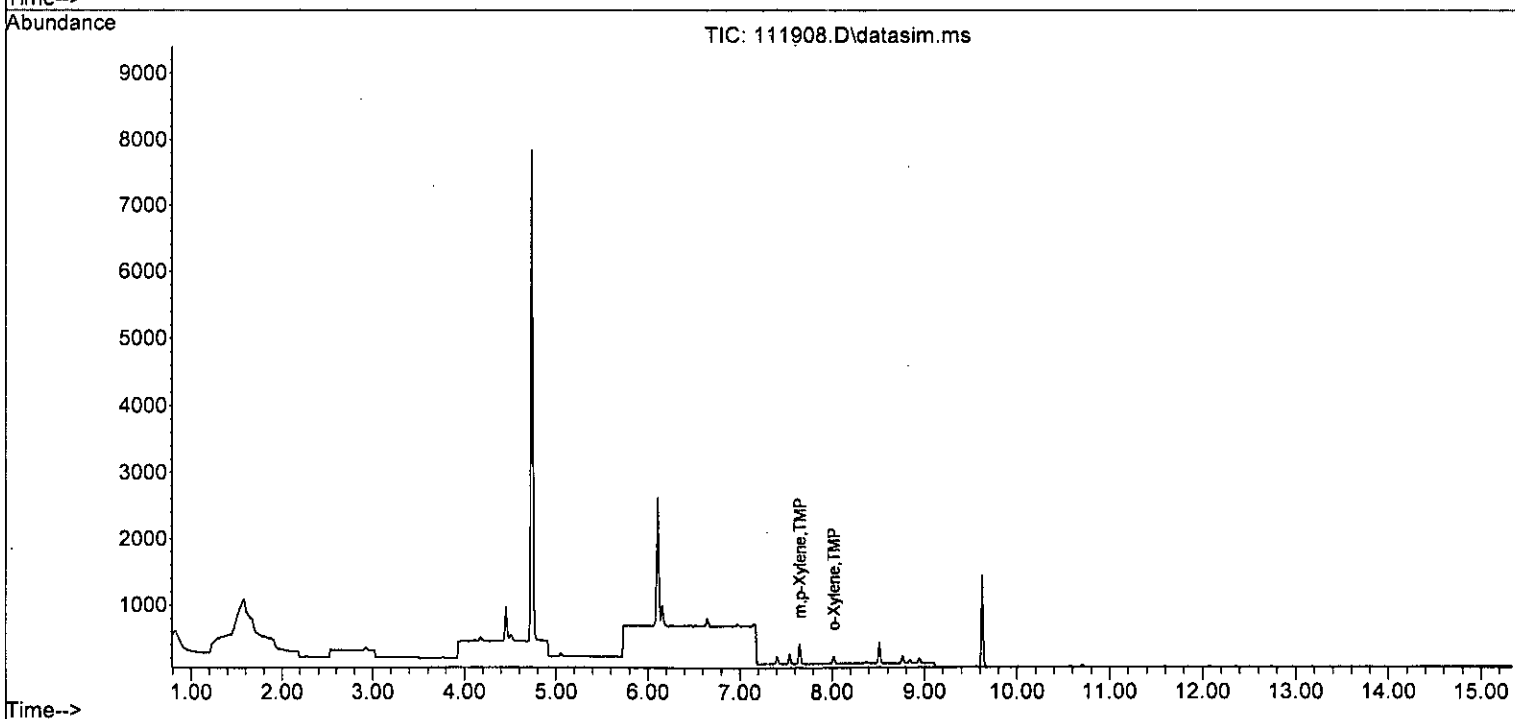
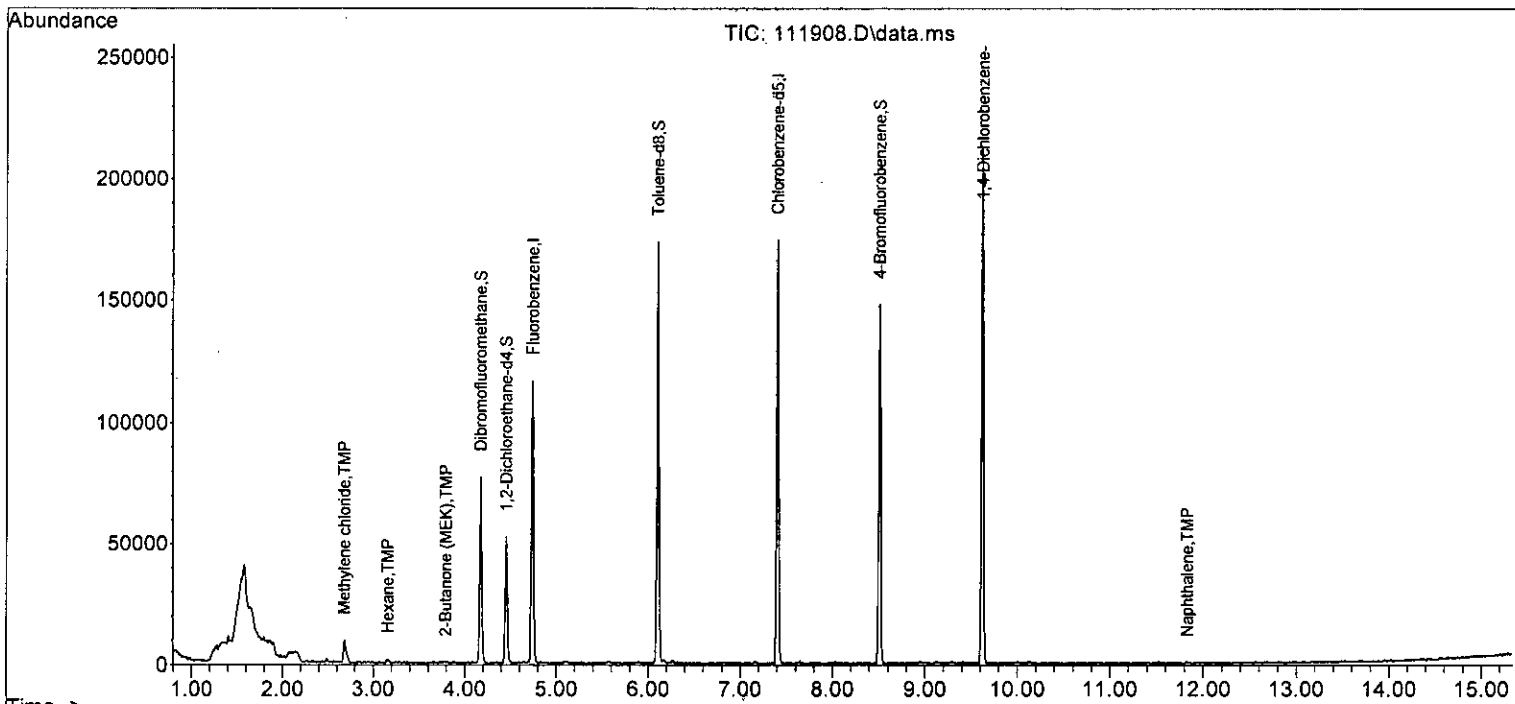
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

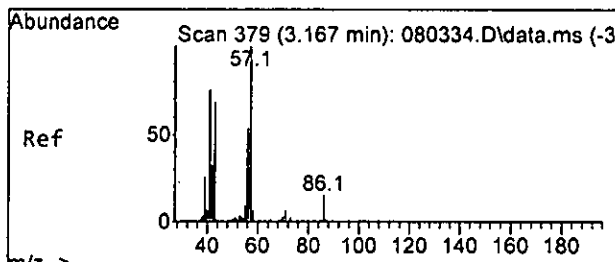
Internal Standards						
1) Fluorobenzene	4.75	96	98900	10.000	ppb	0.00
39) Chlorobenzene-d5	7.40	117	93855	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	57108	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.17	113	33129	10.445	ppb	0.00
Spiked Amount	10.000	Range 50 - 150	Recovery	= 104.50%		
30) 1,2-Dichloroethane-d4	4.45	102	6202	10.090	ppb	0.00
Spiked Amount	10.000	Range 84 - 120	Recovery	= 100.90%		
35) Toluene-d8	6.11	98	96093	10.188	ppb	0.00
Spiked Amount	10.000	Range 73 - 128	Recovery	= 101.90%		
57) 4-Bromofluorobenzene	8.51	95	37075	9.422	ppb	0.00
Spiked Amount	10.000	Range 57 - 146	Recovery	= 94.20%		
Target Compounds						
11) Acetone	2.33	58	82	Below Cal	#	1
13) Hexane	3.16	57	373	0.117	ppb #	29
14) Methylene chloride	2.68	84	5043	0.697	ppb	96
24) 2-Butanone (MEK)	3.79	43	554	0.190	ppb	94
26] 1,2-Dichloroethane (EDC)	4.52	62	93	Below Cal		99
45] Tetrachloroethene	6.65	164	43	Below Cal		83
51] m,p-Xylene	7.65	106	152	0.026	ppb	81
52] o-Xylene	8.02	106	57	0.010	ppb #	76
75) Naphthalene	11.83	128	318	0.108	ppb	69

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS13\11-19-22\
 Data File : 111908.D
 Acq On : 19 Nov 2022 11:08 pm
 Operator : JCM
 Sample : 02-2765 mb 1/0.25
 Misc : soil
 ALS Vial : 3 Sample Multiplier: 1
 InstName : GCMS13

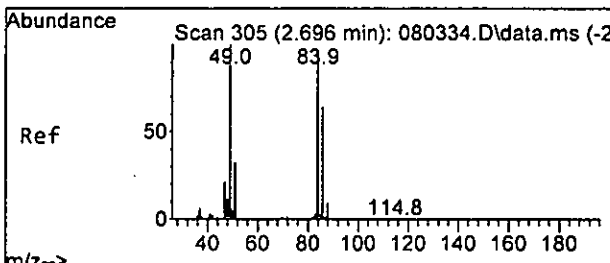
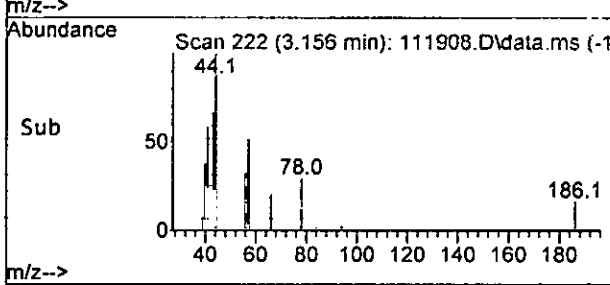
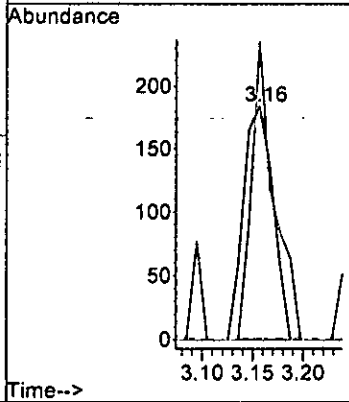
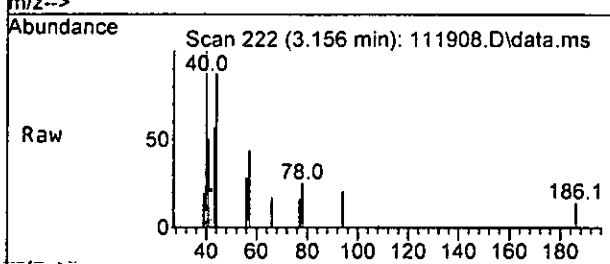
Quant Time: Nov 21 11:55:08 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M





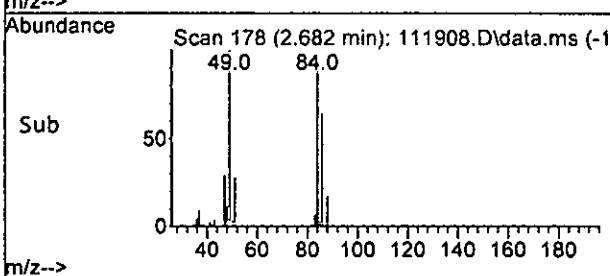
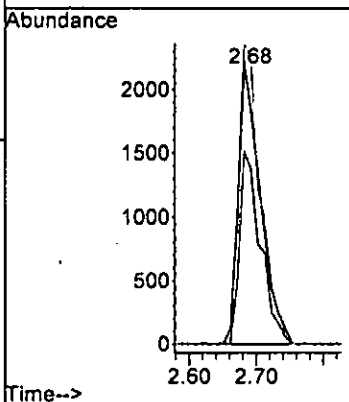
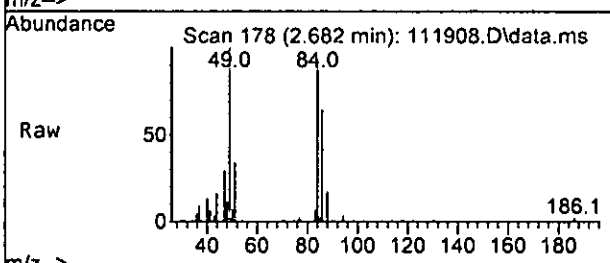
#13
Hexane
Concen: 0.117 ppb
RT: 3.16 min Scan# 222
Delta R.T. -0.001 min
Lab File: 111908.D
Acq: 19 Nov 2022 11:08 pm

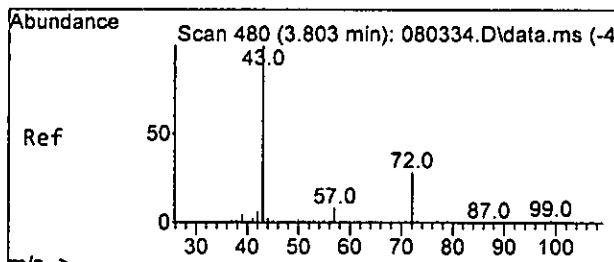
Tgt Ion:	Resp:	Lower	Upper
57	100		
43	128.3	35.4	95.4#
86	0.0	0.0	44.8



#14
Methylene chloride
Concen: 0.697 ppb
RT: 2.68 min Scan# 178
Delta R.T. -0.000 min
Lab File: 111908.D
Acq: 19 Nov 2022 11:08 pm

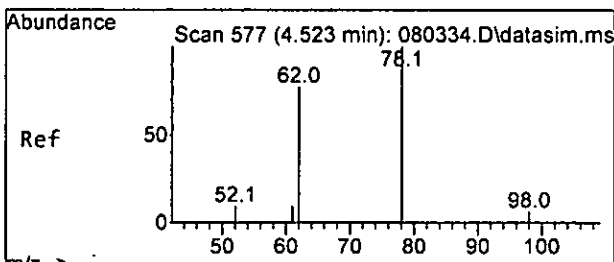
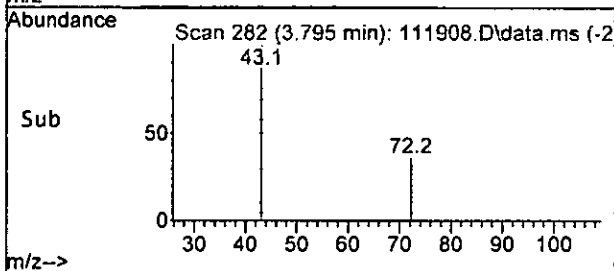
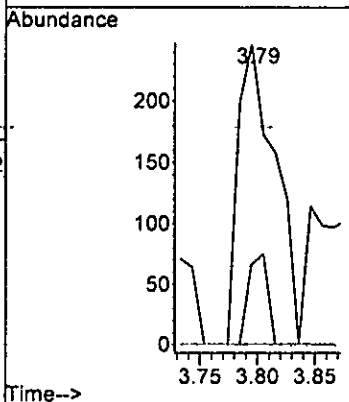
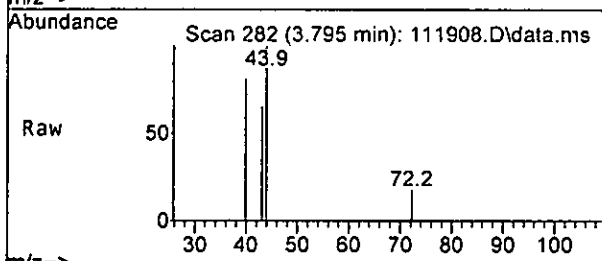
Tgt Ion:	Resp:	Lower	Upper
84	100		
86	68.5	37.1	97.1
49	106.3	81.3	141.3





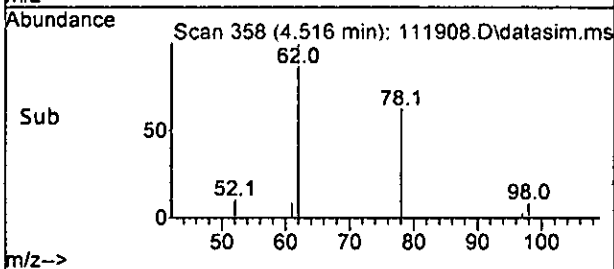
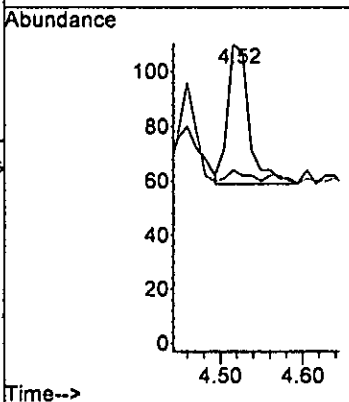
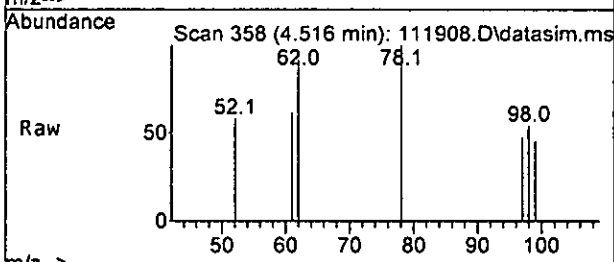
#24
 2-Butanone (MEK)
 Concen: 0.190 ppb
 RT: 3.79 min Scan# 282
 Delta R.T. -0.000 min
 Lab File: 111908.D
 Acq: 19 Nov 2022 11:08 pm

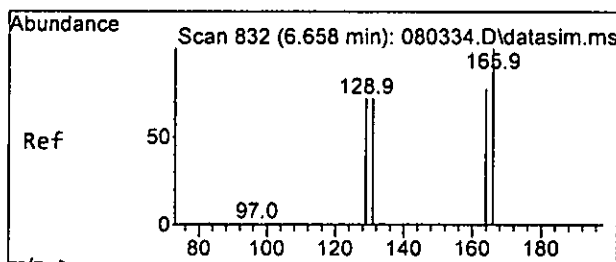
Tgt Ion	Resp	Lower	Upper
43	100		
72	26.7	0.0	57.0
57	0.0	0.0	28.0



#26
 1,2-Dichloroethane (EDC)
 Concen: Below Cal
 RT: 4.52 min Scan# 358
 Delta R.T. -0.011 min
 Lab File: 111908.D
 Acq: 19 Nov 2022 11:08 pm

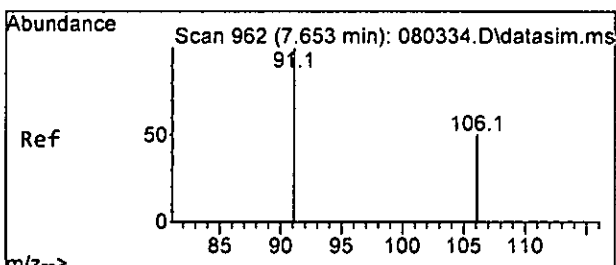
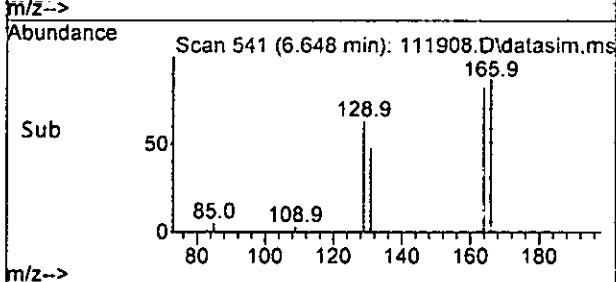
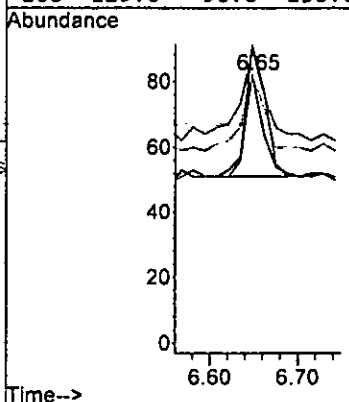
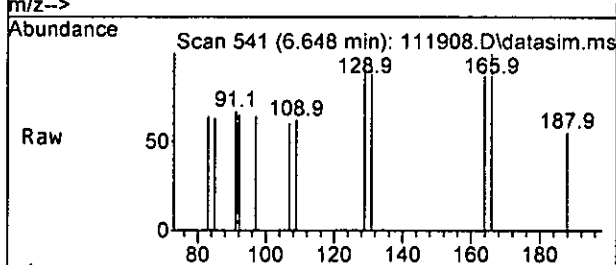
Tgt Ion	Resp	Lower	Upper
62	100		
98	9.8	0.0	40.1





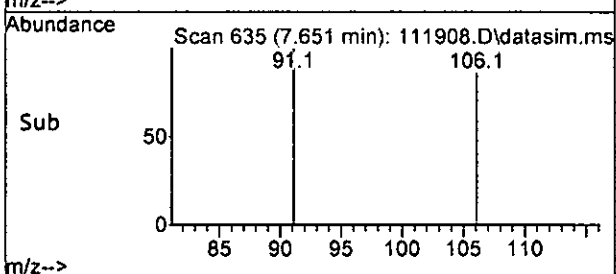
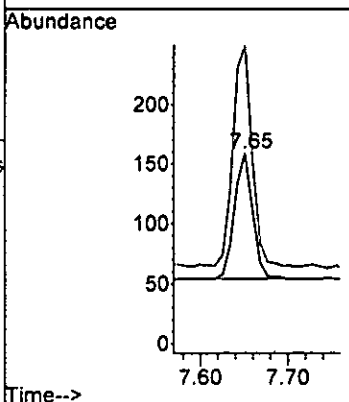
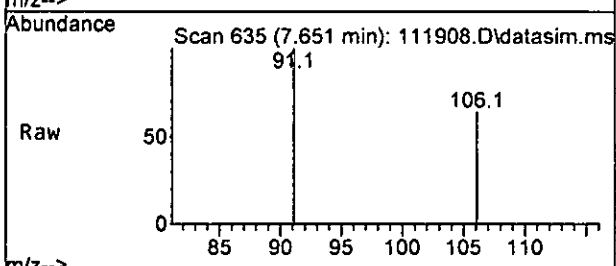
#45
 Tetrachloroethene
 Concen: Below Cal
 RT: 6.65 min Scan# 541
 Delta R.T. -0.000 min
 Lab File: 111908.D
 Acq: 19 Nov 2022 11:08 pm

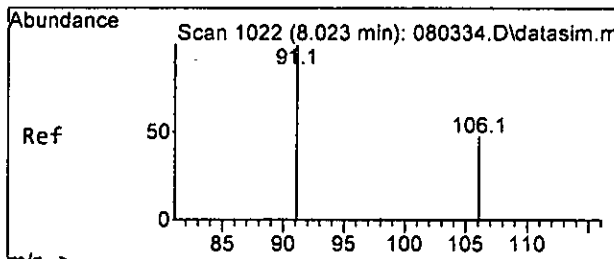
Tgt Ion:164 Resp: 43
 Ion Ratio Lower Upper
 164 100
 129 80.6 72.1 132.1
 131 71.0 64.8 124.8
 166 129.0 90.0 150.0



#51
 m,p-Xylene
 Concen: 0.026 ppb
 RT: 7.65 min Scan# 635
 Delta R.T. -0.000 min
 Lab File: 111908.D
 Acq: 19 Nov 2022 11:08 pm

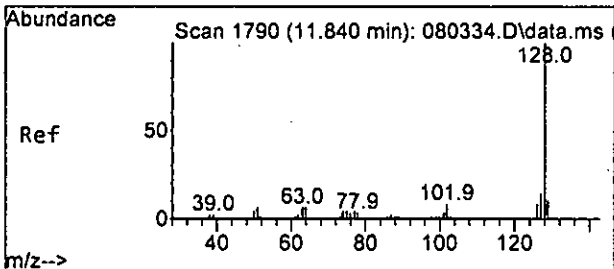
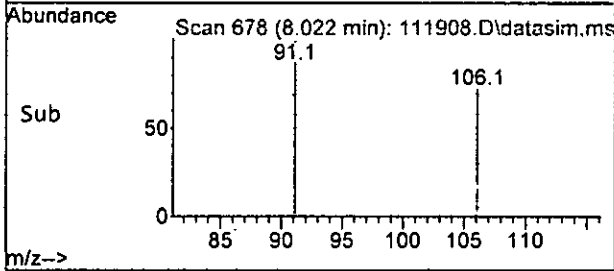
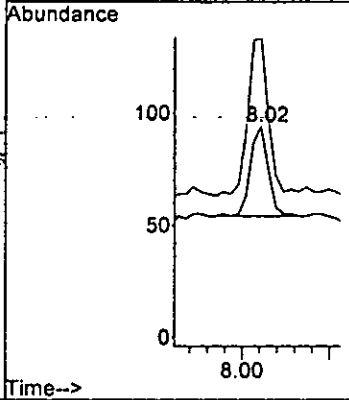
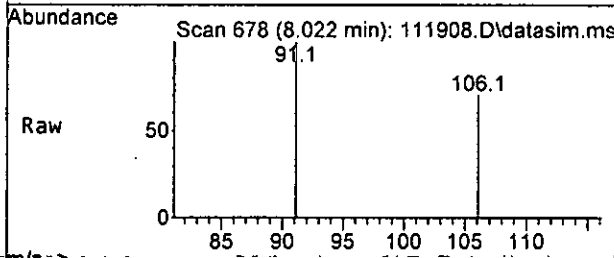
Tgt Ion:106 Resp: 152
 Ion Ratio Lower Upper
 106 100
 91 177.1 175.7 235.7





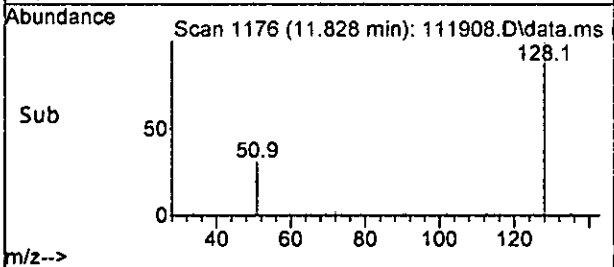
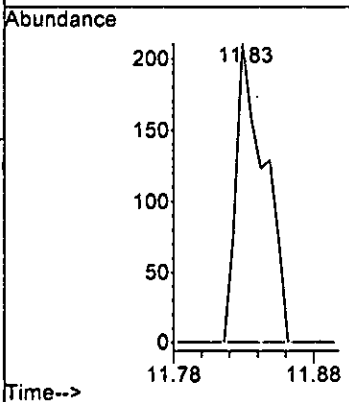
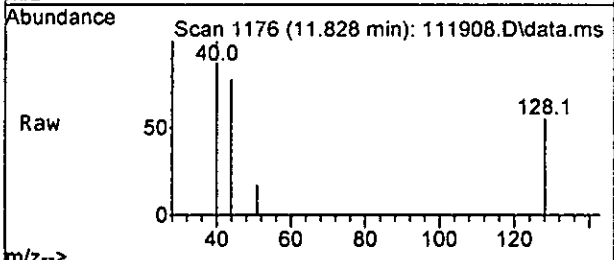
#52
 o-Xylene
 Concen: 0.010 ppb
 RT: 8.02 min Scan# 678
 Delta R.T. -0.000 min
 Lab File: 111908.D
 Acq: 19 Nov 2022 11:08 pm

Tgt Ion: 106 Resp: 57
 Ion Ratio Lower Upper
 106 100
 91 177.5 186.4 246.4#



#75
 Naphthalene
 Concen: 0.108 ppb
 RT: 11.83 min Scan# 1176
 Delta R.T. -0.007 min
 Lab File: 111908.D
 Acq: 19 Nov 2022 11:08 pm

Tgt Ion: 128 Resp: 318
 Ion Ratio Lower Upper
 128 100
 129 0.0 0.0 40.8
 127 0.0 0.0 43.1



Data Path : D:\Proc_GCMS13\11-19-22\
 Data File : 111908.D
 Acq On : 19 Nov 2022 11:08 pm
 Operator : JCM
 Sample : 02-2765 mb 1/0.25
 Misc : soil
 ALS Vial : 3 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 11:55:08 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	4.75	96	98900	10.000	ppb	0.00	
39) Chlorobenzene-d5	7.40	117	93855	10.000	ppb	0.00	
56) 1,4-Dichlorobenzene-d4	9.62	152	57108	10.000	ppb	0.00	
System Monitoring Compounds							
3) Dibromofluoromethane	4.17	113	33129	10.445	ppb	0.00	
Spiked Amount	10.000	Range	50 - 150	Recovery	=	104.50%	
30) 1,2-Dichloroethane-d4	4.45	102	6202	10.090	ppb	0.00	
Spiked Amount	10.000	Range	84 - 120	Recovery	=	100.90%	
35) Toluene-d8	6.11	98	96093	10.188	ppb	0.00	
Spiked Amount	10.000	Range	73 - 128	Recovery	=	101.90%	
57) 4-Bromofluorobenzene	8.51	95	37075	9.422	ppb	0.00	
Spiked Amount	10.000	Range	57 - 146	Recovery	=	94.20%	
Target Compounds							
							Qvalue
2) Ethanol	2.33	45	36	No Calib			
4) Dichlorodifluoromethane	0.00		0	N.D.			
5) Chloromethane	1.24	50	351	N.D.			
6) Vinyl chloride	0.00		0	N.D. d			
7) Bromomethane	0.00		0	N.D. d			
8) Chloroethane	0.00		0	N.D.			
9) Trichlorofluoromethane	1.83	101	107	N.D.			
10) 2-Propanol	2.33	45	36	No Calib	#		
11) Acetone	2.33	58	82	Below Cal	#	1	
12) 1,1-Dichloroethene	0.00		0	N.D. d			
13) Hexane	3.16	57	373	0.117	ppb	#	29
14) Methylene chloride	2.68	84	5043	0.697	ppb		96
15) t-Butyl alcohol (TBA)	0.00		0	N.D.			
16) Methyl t-butyl ether (...)	0.00		0	N.D.			
17) trans-1,2-Dichloroethene	0.00		0	N.D.			
18) Diisopropyl ether (DIPE)	0.00		0	N.D.			
19) 1,1-Dichloroethane	0.00		0	N.D.			
20) Ethyl t-butyl ether (E...)	0.00		0	N.D.			
21) 2,2-Dichloropropane	3.77	77	321	N.D.			
22) cis-1,2-Dichloroethene	0.00		0	N.D.			
23) Chloroform	0.00		0	N.D.			
24) 2-Butanone (MEK)	3.79	43	554	0.190	ppb		94
25) t-Amyl methyl ether (T...)	0.00		0	N.D.			
26] 1,2-Dichloroethane (EDC)	4.52	62	93	Below Cal			99
27) 1,1,1-Trichloroethane	0.00		0	N.D.			
28) 1,1-Dichloropropene	0.00		0	N.D.			
29) Carbon tetrachloride	0.00		0	N.D.			
31) Benzene	4.50	78	81	N.D.			
32) Trichloroethene	0.00		0	N.D. d			
33) 1,2-Dichloropropane	0.00		0	N.D.			
34) Bromodichloromethane	0.00		0	N.D.			
36) Dibromomethane	0.00		0	N.D.			

Data Path : D:\Proc_GCMS13\11-19-22\
 Data File : 111908.D
 Acq On : 19 Nov 2022 11:08 pm
 Operator : JCM
 Sample : 02-2765 mb 1/0.25
 Misc : soil
 ALS Vial : 3 Sample Multiplier: 1
 InstName : GCMS13

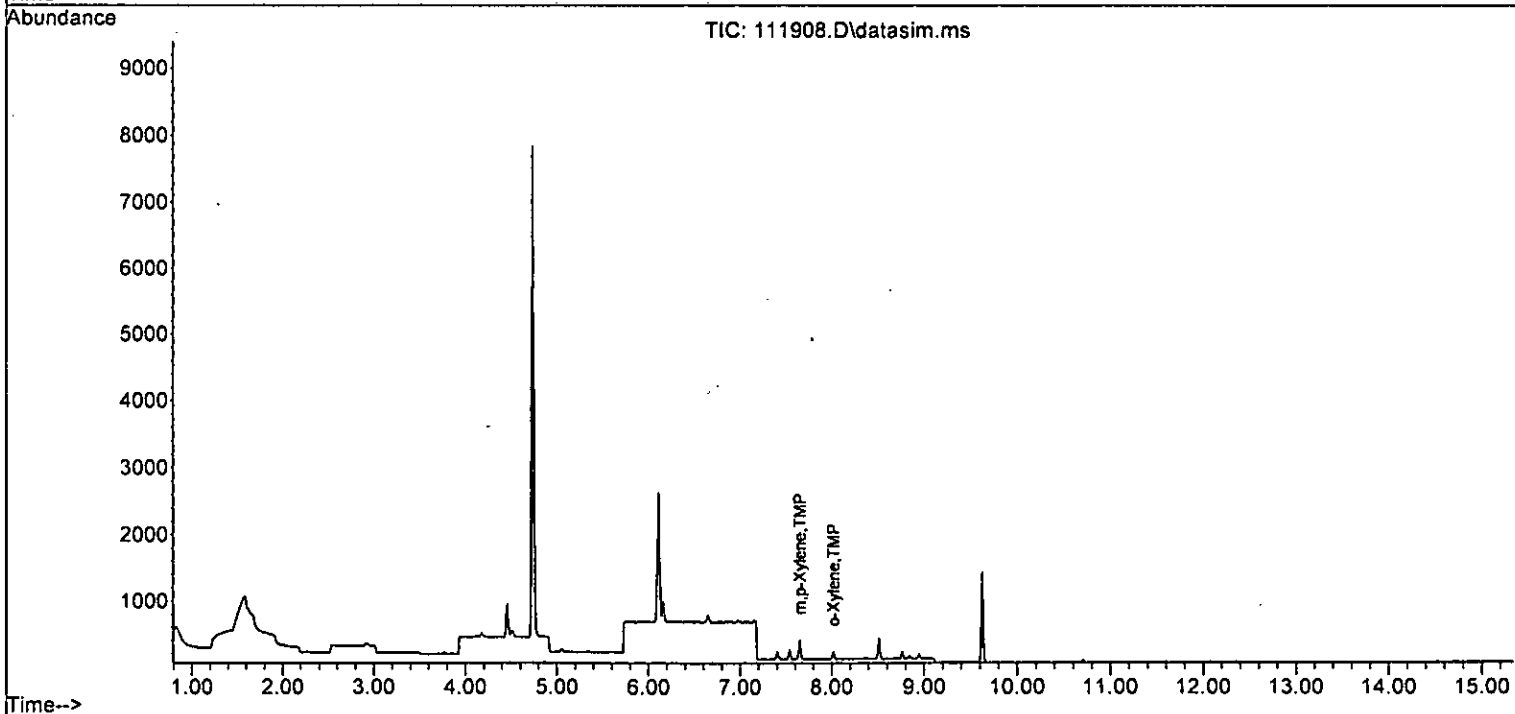
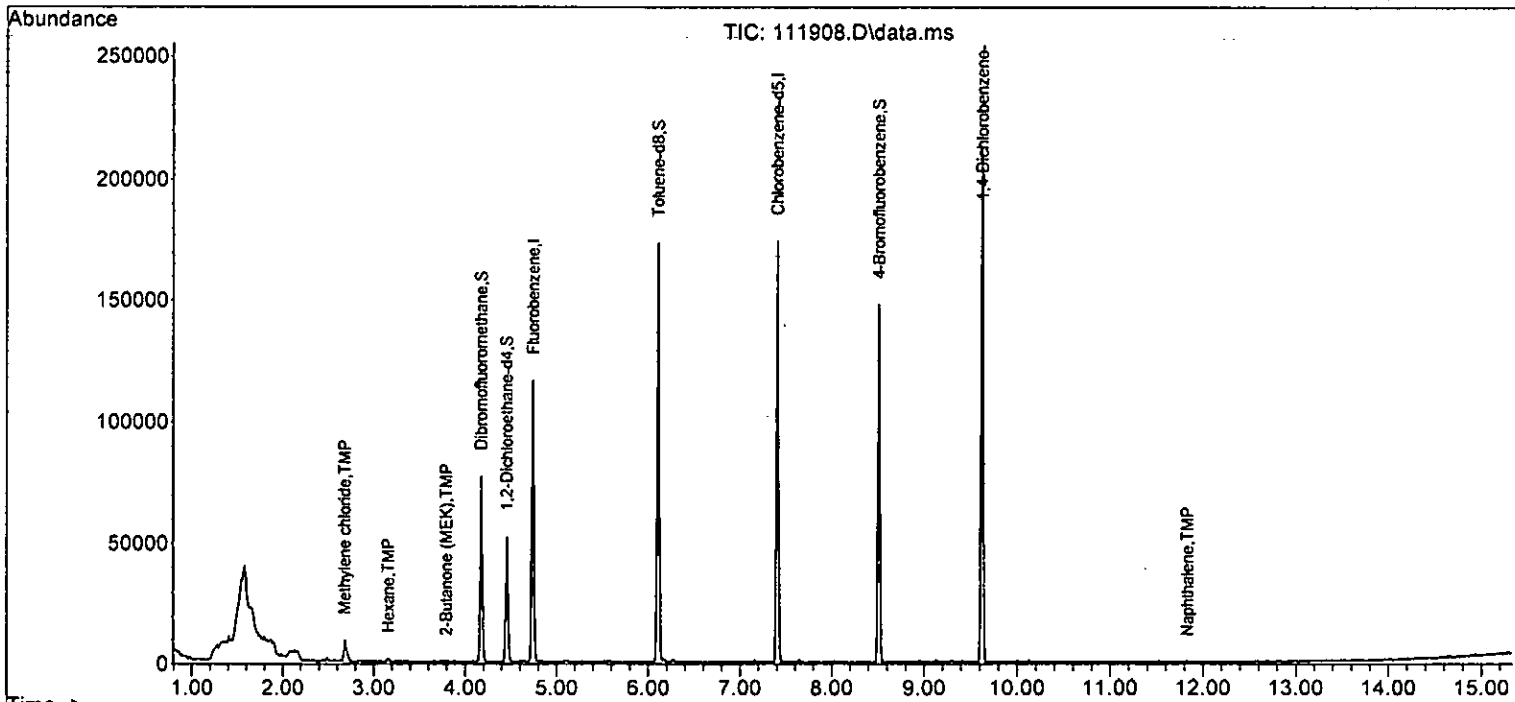
Quant Time: Nov 21 11:55:08 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.00		0		N.D.	
38) cis-1,3-Dichloropropene	0.00		0		N.D.	
40) Toluene	6.16	92	153		N.D.	
41) trans-1,3-Dichloropropene	0.00		0		N.D. d	
42) 1,1,2-Trichloroethane	0.00		0		N.D.	
43) 2-Hexanone	6.78	43	153		N.D.	
44) 1,3-Dichloropropane	0.00		0		N.D.	
45) Tetrachloroethene	6.65	164	43	Below Cal		83
46) Dibromochloromethane	0.00		0		N.D.	
47) 1,2-Dibromoethane (EDB)	0.00		0		N.D.	
48) Chlorobenzene	0.00		0		N.D.	
49) Ethylbenzene	7.54	91	144		N.D.	
50) 1,1,1,2-Tetrachloroethane	0.00		0		N.D.	
51) m,p-Xylene	7.65	106	152	0.026	ppb	81
52) o-Xylene	8.02	106	57	0.010	ppb #	76
53) Styrene	8.03	104	90		N.D.	
54) Isopropylbenzene	8.36	105	182		N.D.	
55) Bromoform	0.00		0		N.D.	
58) n-Propylbenzene	8.76	91	206		N.D.	
59) Bromobenzene	0.00		0		N.D.	
60) 1,3,5-Trimethylbenzene	8.94	105	81		N.D.	
61) 1,1,2,2-Tetrachloroethane	0.00		0		N.D.	
62) 1,2,3-Trichloropropane	0.00		0		N.D. d	
63) 2-Chlorotoluene	8.76	91	206		N.D.	
64) 4-Chlorotoluene	8.95	91	99		N.D.	
65) tert-Butylbenzene	9.29	119	49		N.D.	
66) 1,2,4-Trimethylbenzene	9.30	105	257		N.D.	
67) sec-Butylbenzene	9.46	105	125		N.D.	
68) p-Isopropyltoluene	9.60	119	175		N.D.	
69) 1,3-Dichlorobenzene	9.65	146	104		N.D.	
70) 1,4-Dichlorobenzene	9.65	146	104		N.D.	
71) 1,2-Dichlorobenzene	10.00	146	109		N.D.	
72) 1,2-Dibromo-3-chloropr...	0.00		0		N.D.	
73) 1,2,4-Trichlorobenzene	11.59	180	49		N.D.	
74) Hexachlorobutadiene	0.00		0		N.D.	
75) Naphthalene	11.83	128	318	0.108	ppb	69
76) 1,2,3-Trichlorobenzene	12.07	180	64		N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS13\11-19-22\
Data File : 111908.D
Acq On : 19 Nov 2022 11:08 pm
Operator : JCM
Sample : 02-2765 mb 1/0.25
Misc : soil
ALS Vial : 3 Sample Multiplier: 1
InstName : GCMS13

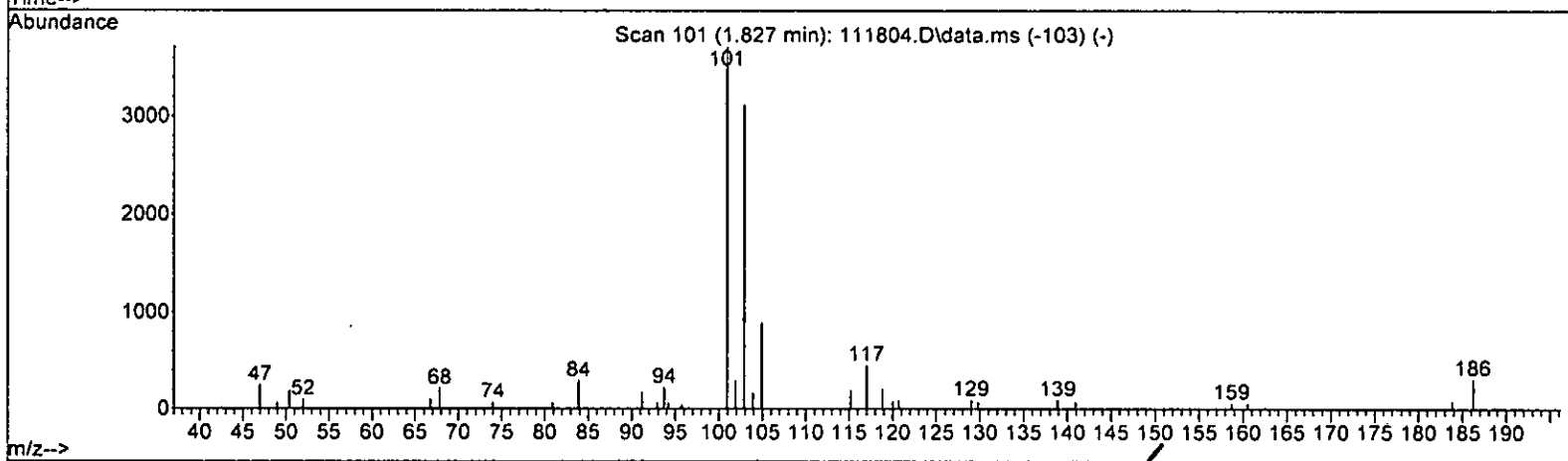
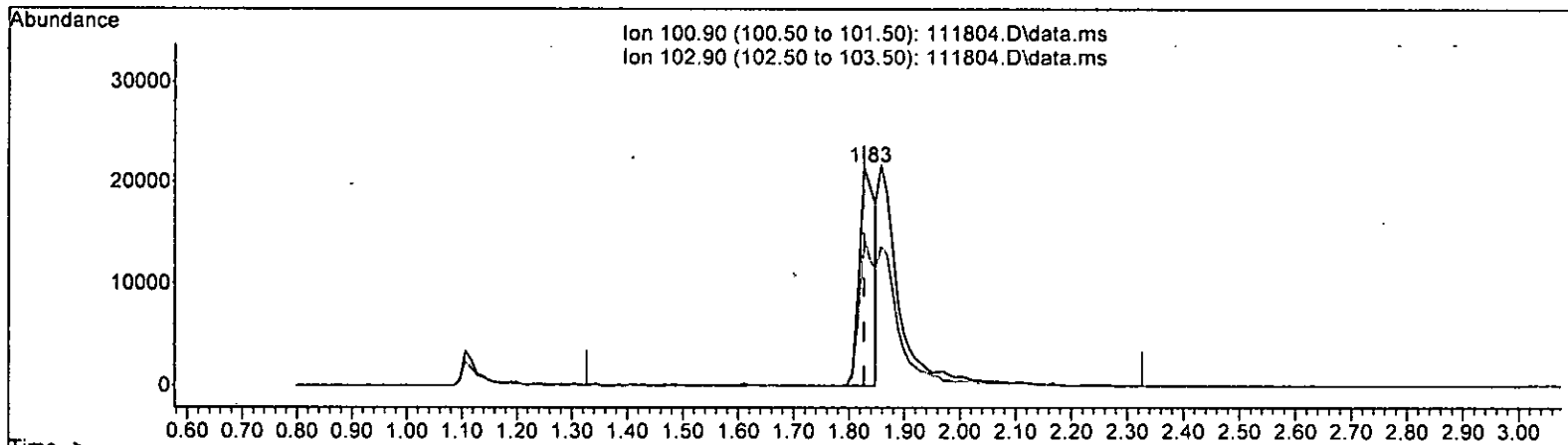
Quant Time: Nov 21 11:55:08 2022
Quant Method : D:\Methods\Inst13\VB110522ms13LL.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
QLast Update : Mon Nov 07 15:16:10 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M



Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111804.D
 Acq On : 18 Nov 2022 06:37 am
 Operator : LM
 Sample : 02-2769 lcs
 Misc : water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:49:28 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



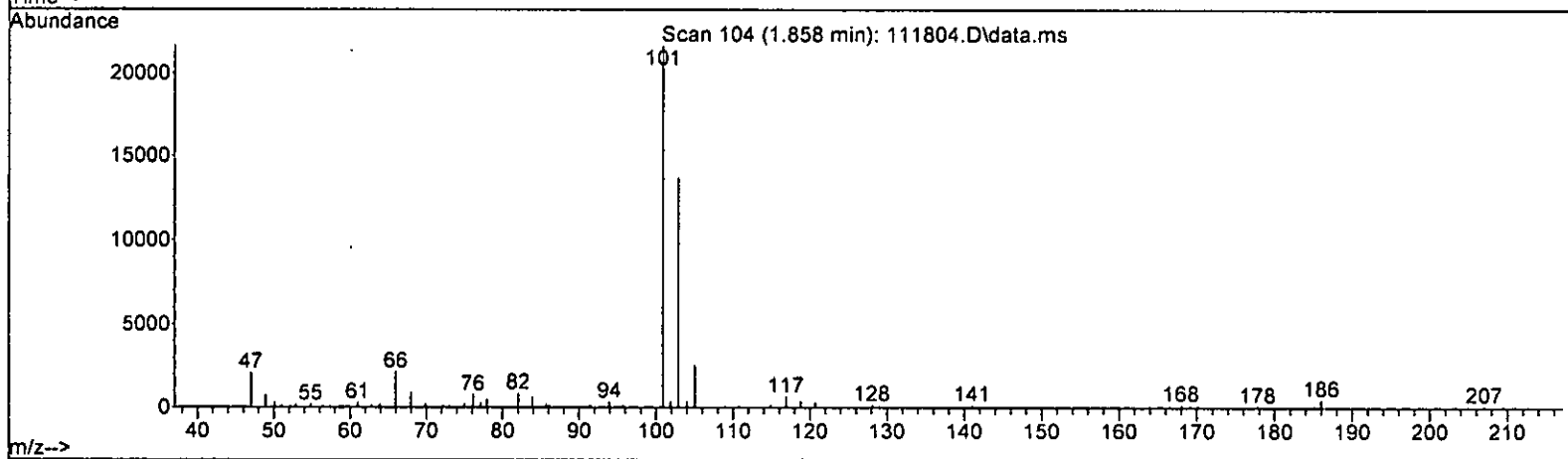
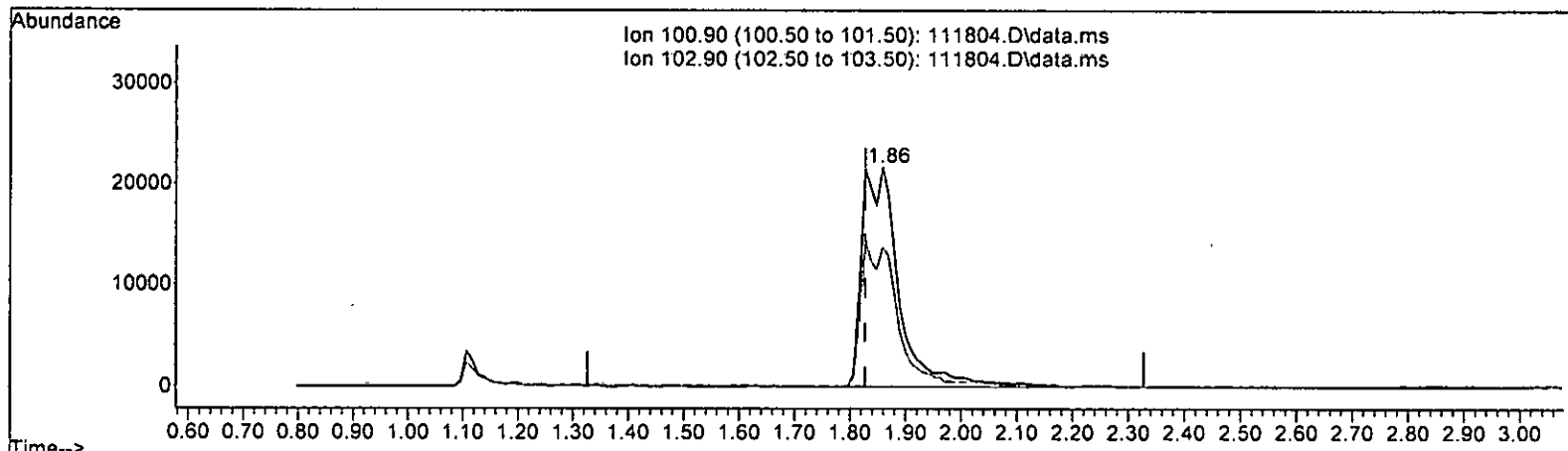
TIC: 111804.D\data.ms *m 11.21.22*

(9) Trichlorofluoromethane (TMP)			
1.827min (+ 0.000) 3.635 ppb			
response	43047		
Ion	Exp%	Act%	
100.90	100.00	100.00	
102.90	65.30	67.66	
0.00	0.00	0.00	
0.00	0.00	0.00	

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111804.D
 Acq On : 18 Nov 2022 06:37 am
 Operator : LM
 Sample : 02-2769 lcs
 Misc : water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:49:28 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 111804.D\data.ms

(9) Trichlorofluoromethane (TMP) *M 11.21.22*

1.858min (+ 0.031) 9.173 ppb m

response 108634

Ion	Exp%	Act%
100.90	100.00	100.00
102.90	65.30	63.09
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111804.D
 Acq On : 18 Nov 2022 06:37 am
 Operator : LM
 Sample : 02-2769 lcs
 Misc : water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:49:28 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) Fluorobenzene	4.73	96	105447	10.000	ppb	-0.01	
39) Chlorobenzene-d5	7.40	117	89670	10.000	ppb	0.00	
56) 1,4-Dichlorobenzene-d4	9.62	152	53179	10.000	ppb	0.00	
System Monitoring Compounds							
3) Dibromofluoromethane	4.18	113	32059	9.481	ppb	0.00	
Spiked Amount	10.000	Range 50 - 150	Recovery	=	94.80%		
30) 1,2-Dichloroethane-d4	4.45	102	5997	9.151	ppb	0.00	
Spiked Amount	10.000	Range 71 - 132	Recovery	=	91.50%		
35) Toluene-d8	6.11	98	94094	9.356	ppb	0.00	
Spiked Amount	10.000	Range 68 - 139	Recovery	=	93.60%		
57) 4-Bromofluorobenzene	8.51	95	34764	9.487	ppb	0.00	
Spiked Amount	10.000	Range 62 - 136	Recovery	=	94.90%		
Target Compounds							
2) Ethanol	2.33	45	326	No Calib			Qvalue
4) Dichlorodifluoromethane	1.11	85	63109	7.481	ppb	100	
5) Chloromethane	1.25	50	38331	7.446	ppb	98	
6] Vinyl chloride	1.33	62	40655	7.564	ppb	91	
7) Bromomethane	1.59	94	42996	9.438	ppb	100	
8] Chloroethane	1.65	64	21701	9.000	ppb	95	
9) Trichlorofluoromethane	1.86	101	108634m	9.173	ppb		
10) 2-Propanol	2.33	45	326	No Calib	#		
11) Acetone	2.32	58	8339	29.670	ppb	99	
12] 1,1-Dichloroethene	2.27	96	26071	8.678	ppb	99	
13) Hexane	3.16	57	26788	7.858	ppb	97	
14) Methylene chloride	2.68	84	27103	8.403	ppb	96	
15) t-Butyl alcohol (TBA)	2.81	59	13175	52.057	ppb	92	
16] Methyl t-butyl ether (...)	2.93	73	67939	9.677	ppb	96	
17] trans-1,2-Dichloroethene	2.92	96	27931	8.317	ppb	94	
18) Diisopropyl ether (DIPE)	3.35	45	56875	7.730	ppb	95	
19] 1,1-Dichloroethane	3.27	63	38889	7.959	ppb	98	
20) Ethyl t-butyl ether (E...)	3.65	87	28752	10.584	ppb	97	
21) 2,2-Dichloropropane	3.76	77	34710	13.619	ppb	98	
22] cis-1,2-Dichloroethene	3.77	96	31143	8.866	ppb	93	
23) Chloroform	4.04	83	45464	8.005	ppb	98	
24) 2-Butanone (MEK)	3.79	43	49375	37.272	ppb	99	
25) t-Amyl methyl ether (T...)	4.61	73	61006	10.705	ppb	90	
26] 1,2-Dichloroethane (EDC)	4.52	62	36813	8.583	ppb	93	
27] 1,1,1-Trichloroethane	4.19	97	50310	9.902	ppb	96	
28) 1,1-Dichloropropene	4.33	75	34115	8.952	ppb	90	
29) Carbon tetrachloride	4.33	117	53135	10.387	ppb	97	
31] Benzene	4.50	78	90258	7.654	ppb	100	
32] Trichloroethene	5.05	95	31497	8.150	ppb	# 64	
33) 1,2-Dichloropropane	5.24	63	19844	7.810	ppb	93	
34) Bromodichloromethane	5.48	83	35441	8.694	ppb	94	
36) Dibromomethane	5.34	93	19218	8.305	ppb	84	

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111804.D
 Acq On : 18 Nov 2022 06:37 am
 Operator : LM
 Sample : 02-2769 lcs
 Misc : water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS13

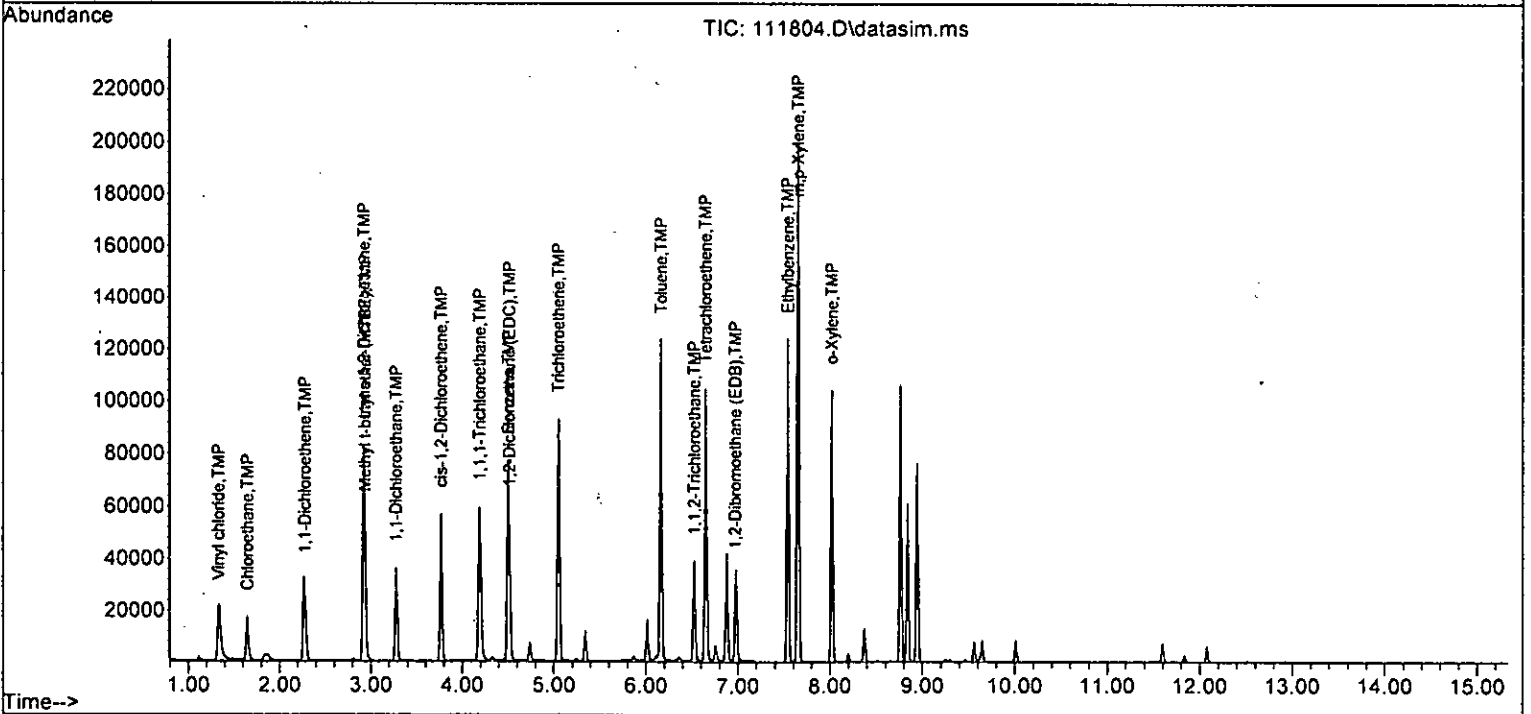
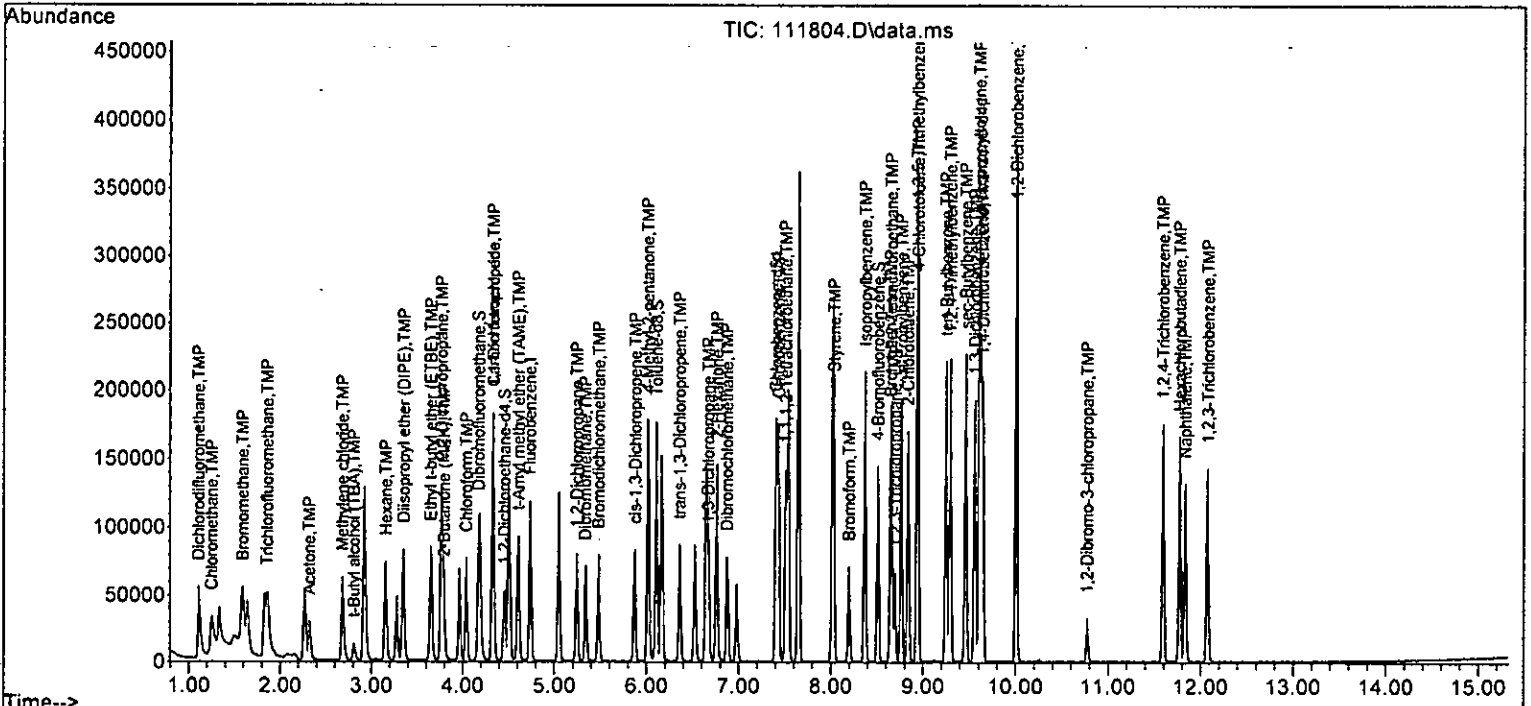
Quant Time: Nov 21 09:49:28 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	6.01	85	23027	51.474	ppb	94
38) cis-1,3-Dichloropropene	5.88	75	37031	9.753	ppb	92
40] Toluene	6.16	92	64127	8.920	ppb	94
41) trans-1,3-Dichloropropene	6.36	75	34468	10.900	ppb	93
42] 1,1,2-Trichloroethane	6.53	83	19435	8.372	ppb	81
43) 2-Hexanone	6.76	43	78509	46.189	ppb	96
44) 1,3-Dichloropropane	6.67	76	33180	8.093	ppb	98
45] Tetrachloroethene	6.65	164	36916	10.423	ppb	94
46) Dibromochloromethane	6.87	129	41981	10.879	ppb	93
47] 1,2-Dibromoethane (EDB)	6.97	107	30517	9.466	ppb	92
48) Chlorobenzene	7.43	112	83937	9.427	ppb	92
49] Ethylbenzene	7.54	91	121807	8.725	ppb	88
50) 1,1,1,2-Tetrachloroethane	7.51	131	37092	10.701	ppb	96
51] m,p-Xylene	7.65	106	103298	18.829	ppb #	79
52] o-Xylene	8.02	106	51013	9.630	ppb #	78
53) Styrene	8.03	104	76896	9.665	ppb	95
54) Isopropylbenzene	8.37	105	123051	9.560	ppb	93
55) Bromoform	8.20	173	28825	10.751	ppb	97
58) n-Propylbenzene	8.77	91	131113	9.133	ppb	82
59) Bromobenzene	8.65	156	44236	9.933	ppb #	82
60) 1,3,5-Trimethylbenzene	8.94	105	104362	9.974	ppb	89
61) 1,1,2,2-Tetrachloroethane	8.65	83	29245	9.413	ppb	95
62) 1,2,3-Trichloropropane	8.70	75	21057	8.144	ppb	88
63) 2-Chlorotoluene	8.84	91	78738	9.158	ppb	86
64) 4-Chlorotoluene	8.95	91	91769	9.026	ppb	80
65) tert-Butylbenzene	9.25	119	104237	10.042	ppb	88
66) 1,2,4-Trimethylbenzene	9.30	105	107534	10.129	ppb	87
67) sec-Butylbenzene	9.46	105	136649	9.793	ppb	93
68) p-Isopropyltoluene	9.61	119	133657	10.530	ppb	94
69) 1,3-Dichlorobenzene	9.56	146	81055	9.965	ppb	95
70) 1,4-Dichlorobenzene	9.64	146	80147	9.636	ppb	94
71) 1,2-Dichlorobenzene	10.01	146	76247	9.857	ppb	95
72) 1,2-Dibromo-3-chloropr...	10.77	75	5699	9.931	ppb #	74
73) 1,2,4-Trichlorobenzene	11.59	180	54021	10.467	ppb	99
74) Hexachlorobutadiene	11.77	225	32576	10.214	ppb	97
75) Naphthalene	11.83	128	102081	10.322	ppb	100
76) 1,2,3-Trichlorobenzene	12.08	180	44989	10.001	ppb	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111804.D
 Acq On : 18 Nov 2022 06:37 am
 Operator : LM
 Sample : 02-2769 lcs
 Misc : water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:49:28 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111805.D
 Acq On : 18 Nov 2022 07:00 am
 Operator : LM
 Sample : 02-2769 lcsd
 Misc : water
 ALS Vial : 3 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:49:32 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 Qlast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	4.73	96	94745	10.000	ppb	-0.01	
39) Chlorobenzene-d5	7.40	117	86932	10.000	ppb	0.00	
56) 1,4-Dichlorobenzene-d4	9.62	152	52583	10.000	ppb	0.00	
System Monitoring Compounds							
3) Dibromofluoromethane	4.17	113	31663	10.421	ppb	0.00	
Spiked Amount	10.000		Range 50 - 150	Recovery	=	104.20%	
30) 1,2-Dichloroethane-d4	4.45	102	5646	9.589	ppb	0.00	
Spiked Amount	10.000		Range 71 - 132	Recovery	=	95.90%	
35) Toluene-d8	6.11	98	91304	10.104	ppb	0.00	
Spiked Amount	10.000		Range 68 - 139	Recovery	=	101.00%	
57) 4-Bromofluorobenzene	8.51	95	33978	9.378	ppb	0.00	
Spiked Amount	10.000		Range 62 - 136	Recovery	=	93.80%	
Target Compounds							
2) Ethanol	2.33	45	331	No Calib			Qvalue
4) Dichlorodifluoromethane	1.11	85	63596	8.390	ppb		94
5) Chloromethane	1.25	50	36176	7.822	ppb		89
6] Vinyl chloride	1.33	62	40605	8.408	ppb		96
7) Bromomethane	1.58	94	45671	11.158	ppb		99
8] Chloroethane	1.64	64	21735	10.032	ppb		100
9) Trichlorofluoromethane	1.86	101	94619	8.892	ppb		97
10) 2-Propanol	2.33	45	331	No Calib			#
11) Acetone	2.32	58	8653	34.397	ppb		96
12] 1,1-Dichloroethene	2.26	96	24986	9.256	ppb		87
13) Hexane	3.16	57	26492	8.649	ppb		96
14) Methylene chloride	2.68	84	27104	9.488	ppb		97
15) t-Butyl alcohol (TBA)	2.81	59	13635	59.960	ppb		98
16] Methyl t-butyl ether (...)	2.92	73	68029	10.784	ppb		99
17] trans-1,2-Dichloroethene	2.91	96	27809	9.216	ppb		91
18) Diisopropyl ether (DIPE)	3.34	45	55881	8.453	ppb		98
19] 1,1-Dichloroethane	3.27	63	40432	9.209	ppb		95
20) Ethyl t-butyl ether (E...)	3.65	87	29220	11.972	ppb		95
21) 2,2-Dichloropropane	3.76	77	32554	14.207	ppb		96
22] cis-1,2-Dichloroethene	3.77	96	31020	9.828	ppb		90
23) Chloroform	4.04	83	46555	9.123	ppb		99
24) 2-Butanone (MEK)	3.78	43	48161	40.476	ppb		97
25) t-Amyl methyl ether (T...)	4.61	73	58826	11.489	ppb		90
26] 1,2-Dichloroethane (EDC)	4.52	62	36578	9.497	ppb		94
27] 1,1,1-Trichloroethane	4.19	97	49858	10.922	ppb		93
28) 1,1-Dichloropropene	4.33	75	32237	9.414	ppb		88
29) Carbon tetrachloride	4.33	117	51038	11.104	ppb		97
31] Benzene	4.50	78	90333	8.526	ppb		99
32] Trichloroethene	5.05	95	30790	8.866	ppb	#	59
33) 1,2-Dichloropropane	5.24	63	20236	8.864	ppb		96
34) Bromodichloromethane	5.48	83	35824	9.780	ppb		92
36) Dibromomethane	5.34	93	18504	8.899	ppb	#	73

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111805.D
 Acq On : 18 Nov 2022 07:00 am
 Operator : LM
 Sample : 02-2769 lcsd
 Misc : water
 ALS Vial : 3 Sample Multiplier: 1
 InstName : GCMS13

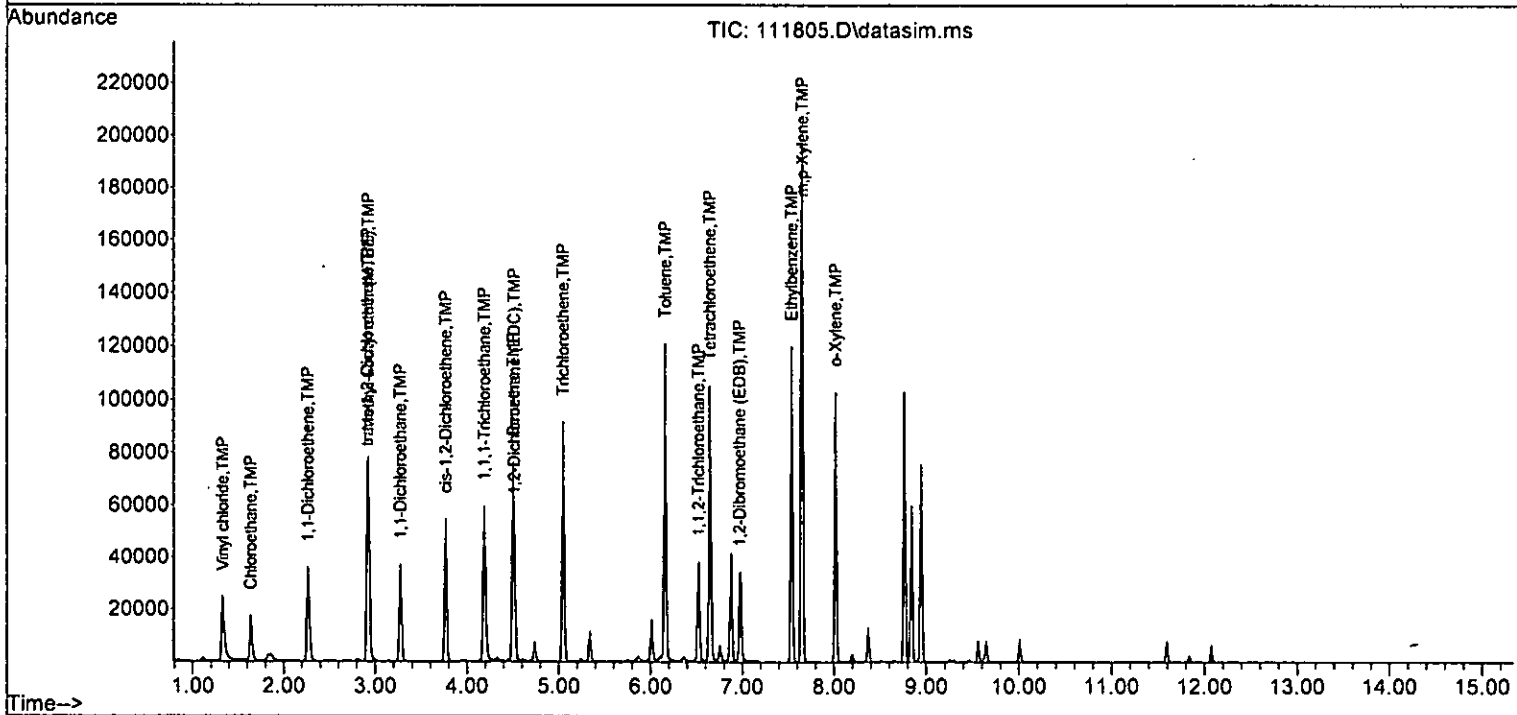
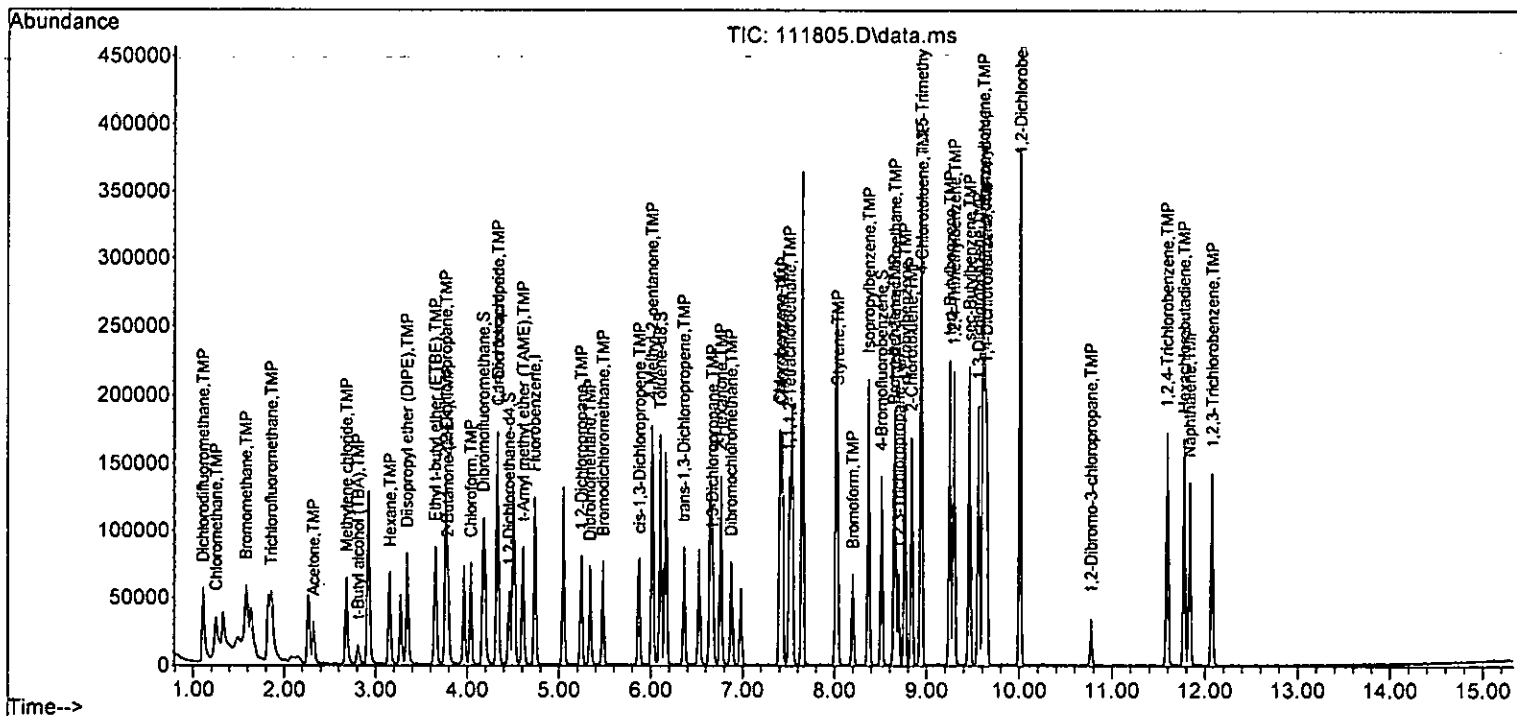
Quant Time: Nov 21 09:49:32 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	6.01	85	21677	53.929	ppb	93
38) cis-1,3-Dichloropropene	5.88	75	36931	10.825	ppb	92
40] Toluene	6.16	92	63480	9.108	ppb	92
41) trans-1,3-Dichloropropene	6.36	75	34117	11.126	ppb	92
42] 1,1,2-Trichloroethane	6.53	83	19133	8.502	ppb #	81
43) 2-Hexanone	6.76	43	76075	46.166	ppb	94
44) 1,3-Dichloropropane	6.67	76	31940	8.036	ppb	100
45] Tetrachloroethene	6.65	164	36534	10.640	ppb	93
46) Dibromochloromethane	6.87	129	40834	10.914	ppb	99
47] 1,2-Dibromoethane (EDB)	6.97	107	29910	9.570	ppb	93
48) Chlorobenzene	7.43	112	83664	9.692	ppb	91
49] Ethylbenzene	7.54	91	119449	8.825	ppb	89
50) 1,1,1,2-Tetrachloroethane	7.51	131	36695	10.920	ppb	95
51] m,p-Xylene	7.65	106	101089	19.007	ppb #	78
52] o-Xylene	8.02	106	50021	9.741	ppb #	78
53) Styrene	8.03	104	74585	9.670	ppb	94
54) Isopropylbenzene	8.37	105	120544	9.660	ppb	91
55) Bromoform	8.20	173	28355	10.908	ppb	99
58) n-Propylbenzene	8.77	91	127068	8.951	ppb	83
59) Bromobenzene	8.65	156	43809	9.948	ppb #	80
60) 1,3,5-Trimethylbenzene	8.94	105	102130	9.871	ppb	87
61) 1,1,2,2-Tetrachloroethane	8.65	83	28306	9.212	ppb	97
62) 1,2,3-Trichloropropane	8.70	75	20809	8.139	ppb	90
63) 2-Chlorotoluene	8.84	91	75789	8.915	ppb	85
64) 4-Chlorotoluene	8.95	91	89618	8.914	ppb	76
65) tert-Butylbenzene	9.25	119	103513	10.085	ppb	87
66) 1,2,4-Trimethylbenzene	9.30	105	106236	10.120	ppb	90
67) sec-Butylbenzene	9.46	105	133233	9.657	ppb	88
68) p-Isopropyltoluene	9.61	119	130452	10.394	ppb	94
69) 1,3-Dichlorobenzene	9.56	146	78822	9.801	ppb	94
70) 1,4-Dichlorobenzene	9.64	146	77575	9.433	ppb	97
71) 1,2-Dichlorobenzene	10.01	146	75862	9.918	ppb	96
72) 1,2-Dibromo-3-chloropr...	10.77	75	5900	10.398	ppb	83
73) 1,2,4-Trichlorobenzene	11.59	180	53352	10.455	ppb	98
74) Hexachlorobutadiene	11.77	225	31876	10.108	ppb	96
75) Naphthalene	11.83	128	104519	10.680	ppb	99
76) 1,2,3-Trichlorobenzene	12.08	180	46350	10.420	ppb	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111805.D
 Acq On : 18 Nov 2022 07:00 am
 Operator : LM
 Sample : 02-2769 lcsd
 Misc : water
 ALS Vial : 3 Sample Multiplier: 1
 InstName : GCMS13

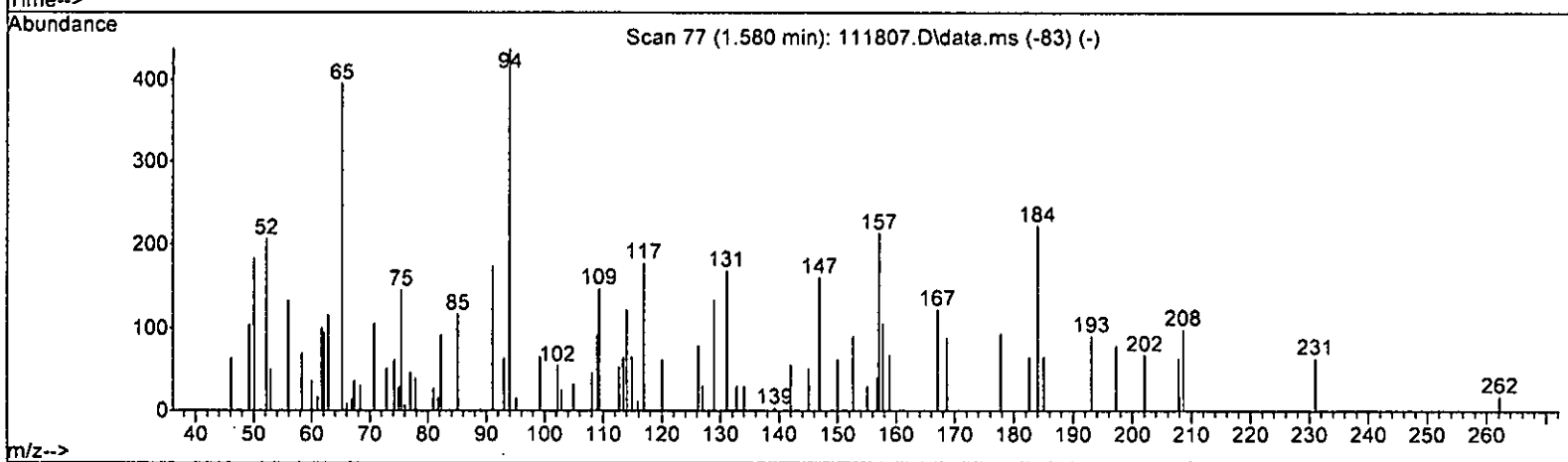
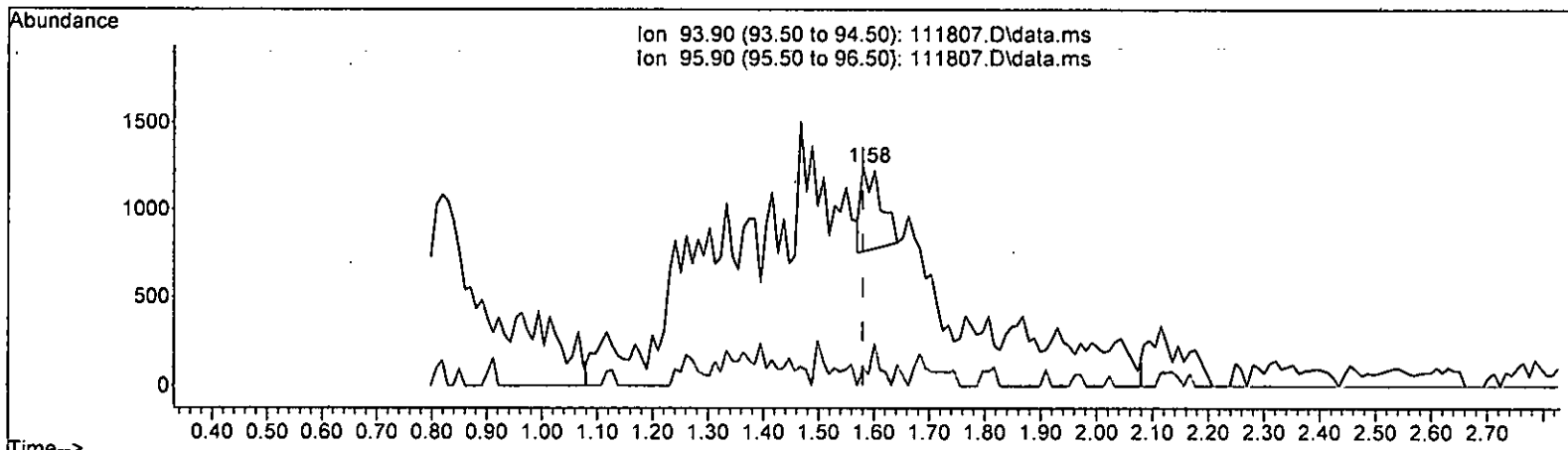
Quant Time: Nov 21 09:49:32 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111807.D
 Acq On : 18 Nov 2022 07:46 am
 Operator : LM
 Sample : 02-2769 mb
 Misc : water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:49:36 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



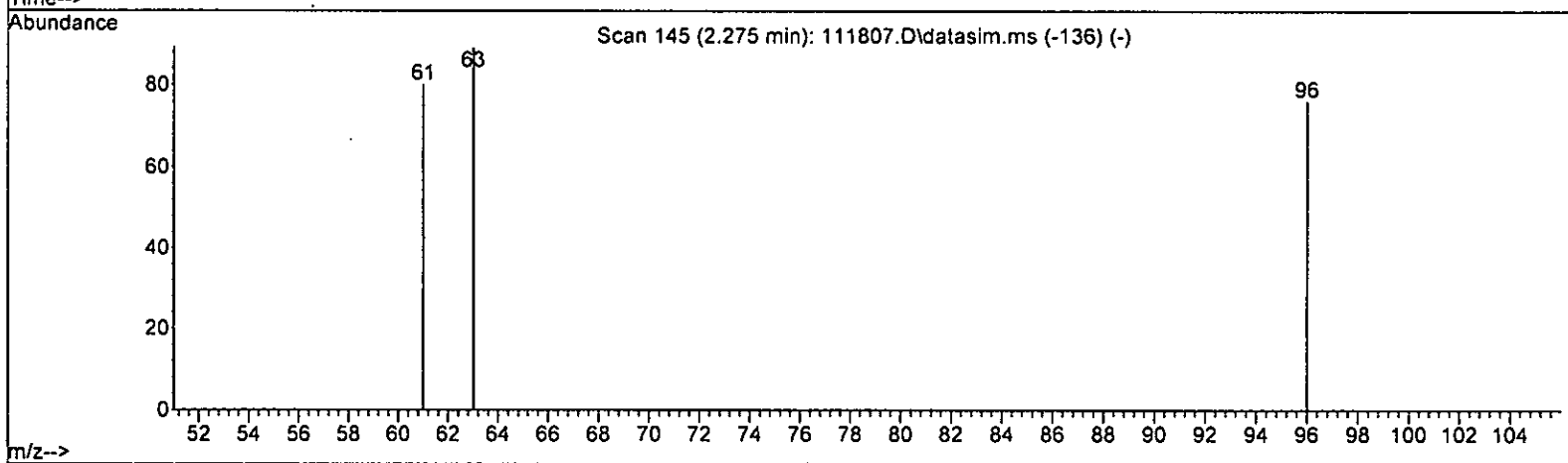
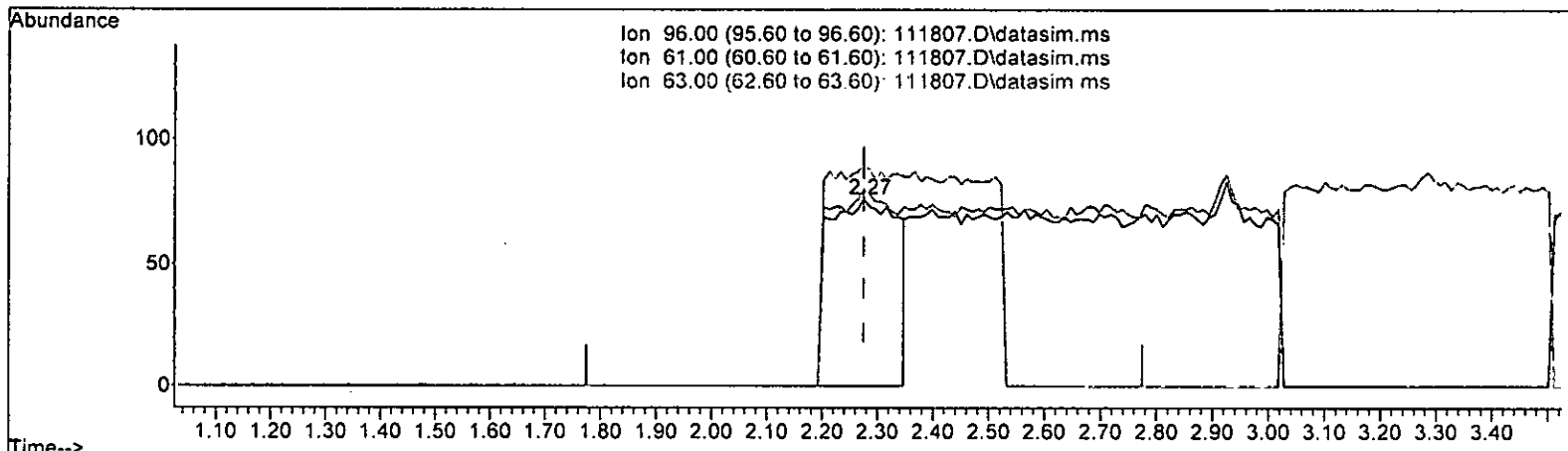
TIC: 111807.D\data.ms

(7) Bromomethane (TMP)		
1.580min (+ 0.000) 0.273 ppb		
response	1160	
Ion	Exp%	Act%
93.90	100.00	100.00
95.90	93.50	23.74#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111807.D
 Acq On : 18 Nov 2022 07:46 am
 Operator : LM
 Sample : 02-2769 mb
 Misc : water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:49:36 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 111807.D\data.ms

(12) 1,1-Dichloroethene (TMP)

2.275min (-0.000) 0.233 ppb

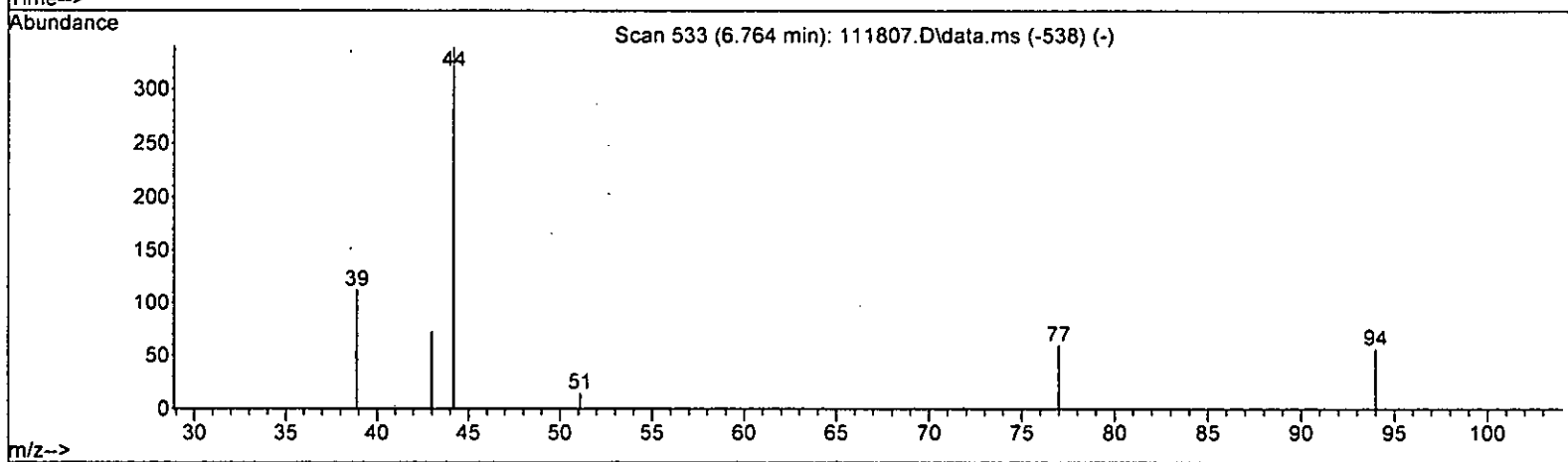
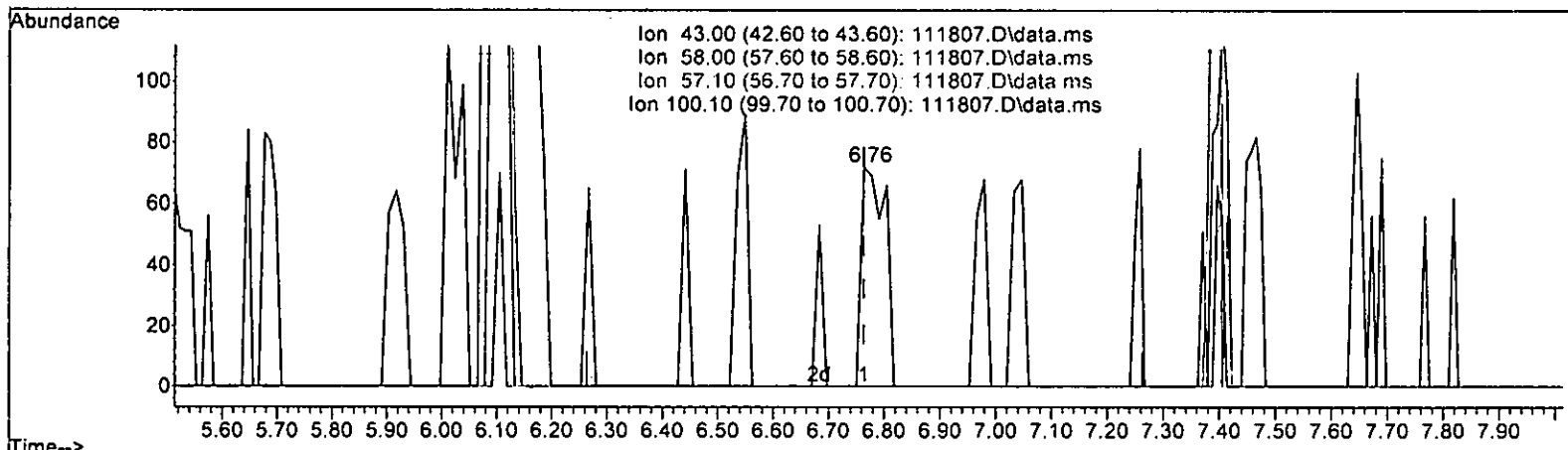
response 654

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	120.90	105.26
63.00	43.90	117.11#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111807.D
 Acq On : 18 Nov 2022 07:46 am
 Operator : LM
 Sample : 02-2769 mb
 Misc : water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:49:36 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 Qlast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 111807.D\data.ms

(43) 2-Hexanone (TMP)

6.764min (+ 0.000) 0.121 ppb

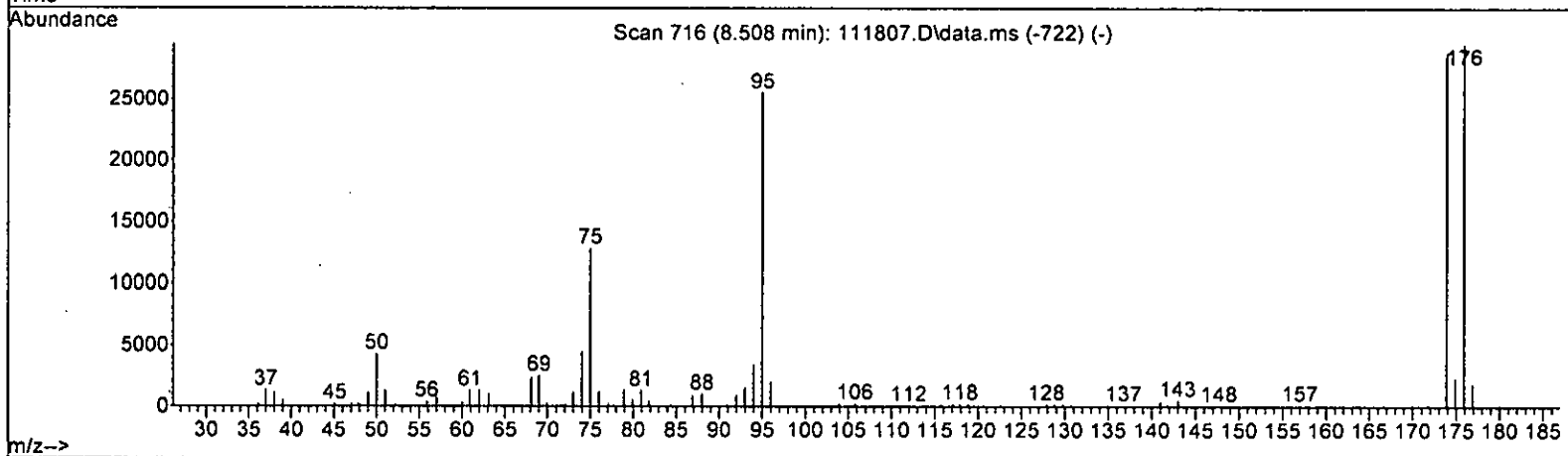
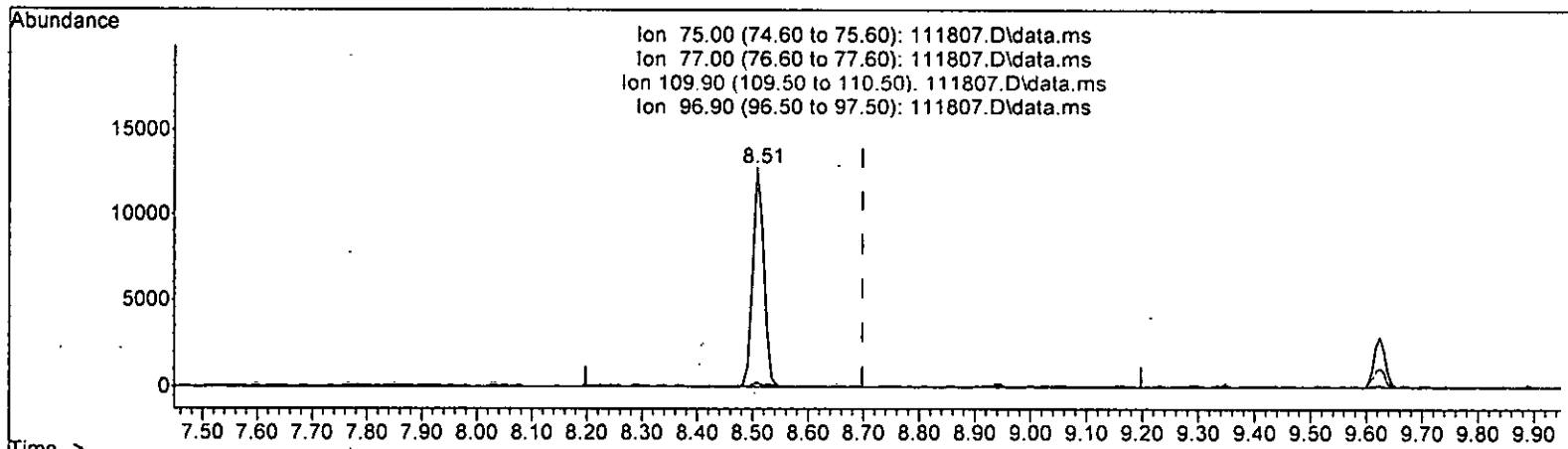
response 211

Ion	Exp%	Act%
43.00	100.00	100.00
58.00	51.50	0.00#
57.10	16.30	0.00
100.10	10.20	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111807.D
 Acq On : 18 Nov 2022 07:46 am
 Operator : LM
 Sample : 02-2769 mb
 Misc : water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:49:36 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 111807.D\data.ms

(62) 1,2,3-Trichloropropane (TMP)

8.508min (-0.190) 6.742 ppb

response	17424	
Ion	Exp%	Act%
75.00	100.00	100.00
77.00	34.00	1.96#
109.90	36.50	0.00#
96.90	22.60	0.00

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111807.D
 Acq On : 18 Nov 2022 07:46 am
 Operator : LM
 Sample : 02-2769 mb
 Misc : water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

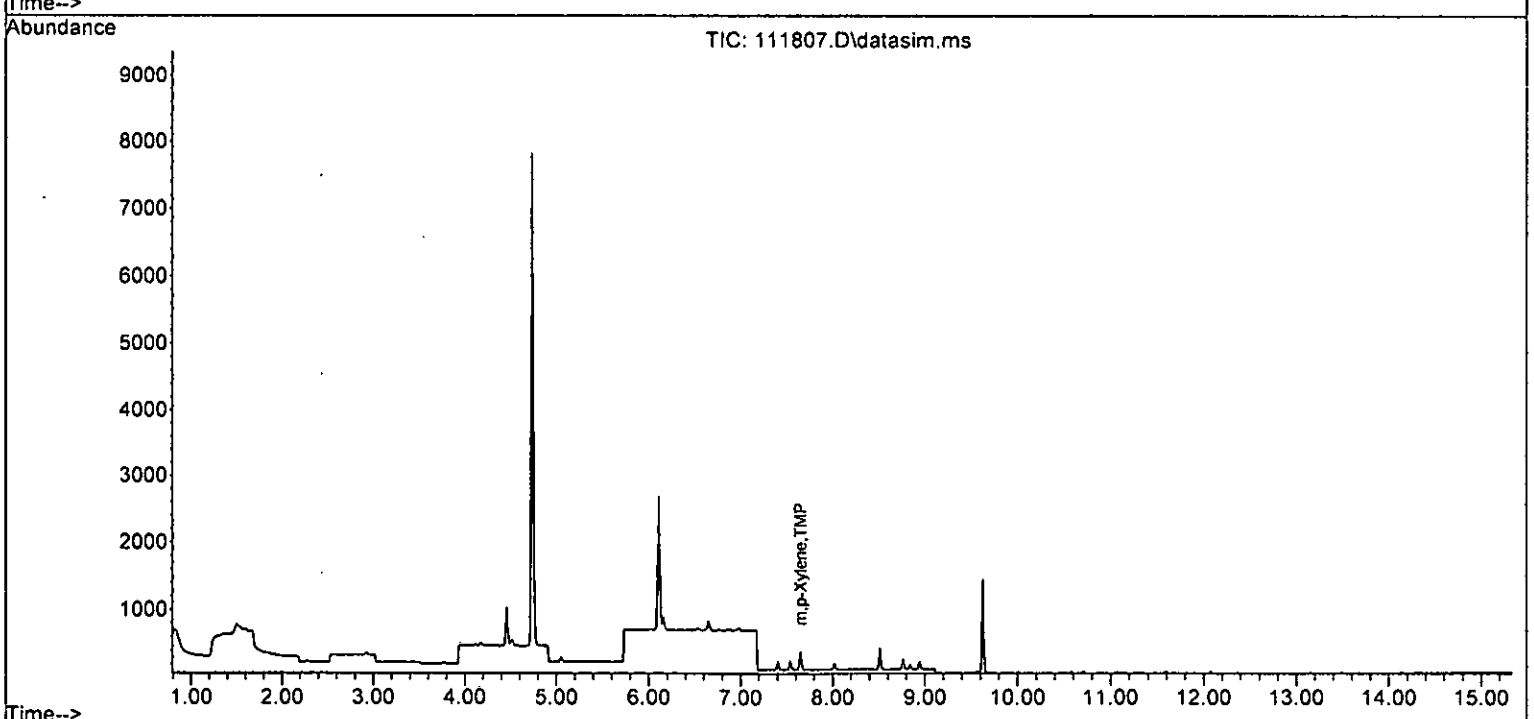
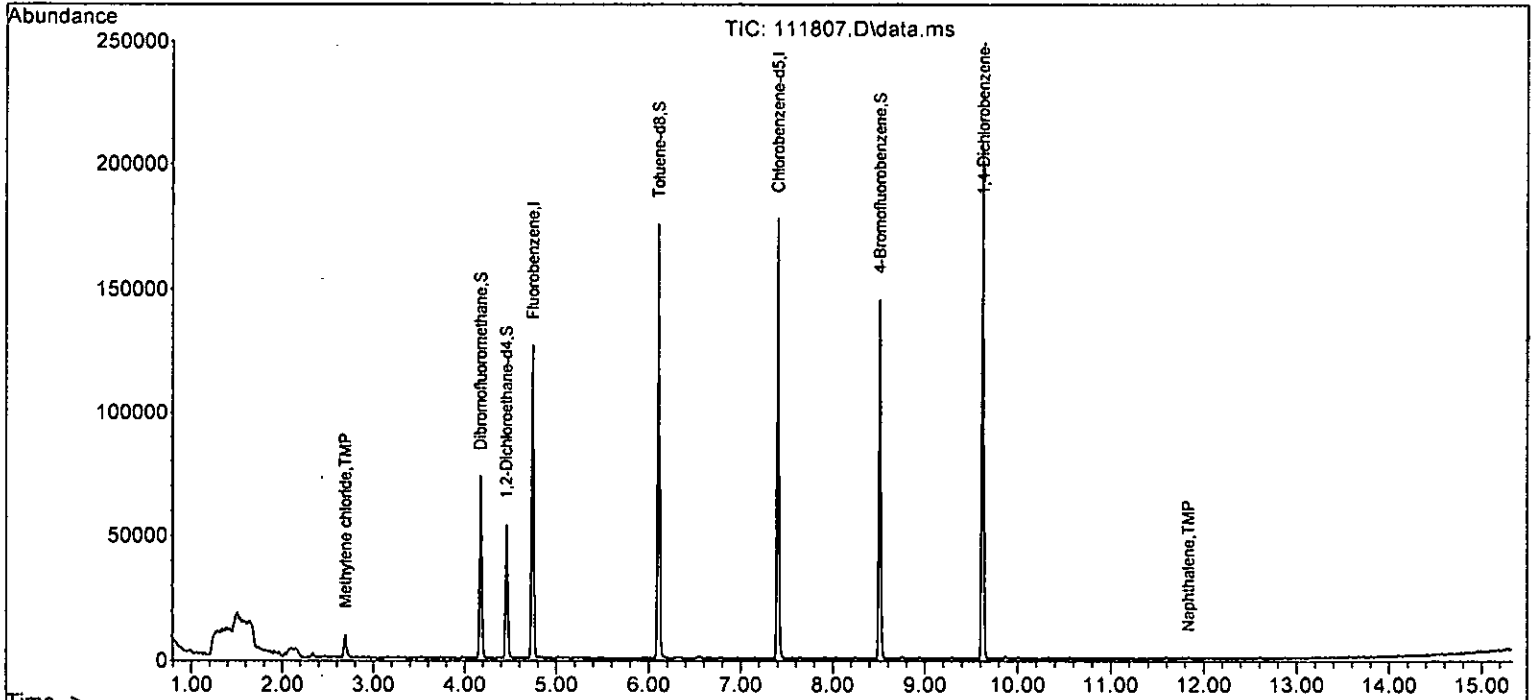
Quant Time: Nov 21 09:49:36 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

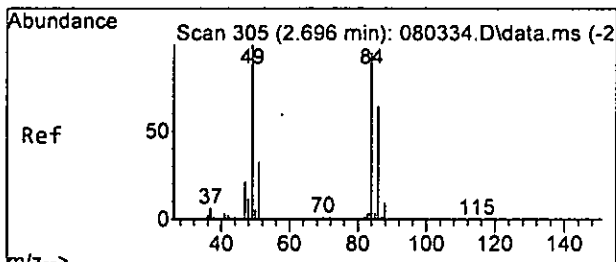
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.75	96	98432	10.000	ppb	0.00
39) Chlorobenzene-d5	7.41	117	91850	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	53151	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.18	113	34370	10.888	ppb	0.00
Spiked Amount	10.000	Range 50 - 150	Recovery	=	108.90%	
30) 1,2-Dichloroethane-d4	4.45	102	5910	9.661	ppb	0.00
Spiked Amount	10.000	Range 71 - 132	Recovery	=	96.60%	
35) Toluene-d8	6.11	98	95980	10.224	ppb	0.00
Spiked Amount	10.000	Range 68 - 139	Recovery	=	102.20%	
57) 4-Bromofluorobenzene	8.51	95	36156	9.872	ppb	0.00
Spiked Amount	10.000	Range 62 - 136	Recovery	=	98.70%	
Target Compounds						
14) Methylene chloride	2.69	84	4377	0.453	ppb	91
24) 2-Butanone (MEK)	3.80	43	129	Below Cal		55
26] 1,2-Dichloroethane (EDC)	4.53	62	88	Below Cal		80
40] Toluene	6.16	92	105	Below Cal		81
42] 1,1,2-Trichloroethane	6.53	83	30	Below Cal #		41
45] Tetrachloroethene	6.65	164	56	Below Cal		93
51] m,p-Xylene	7.65	106	138	0.025	ppb	83
75) Naphthalene	11.83	128	472	0.126	ppb	74

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111807.D
 Acq On : 18 Nov 2022 07:46 am
 Operator : LM
 Sample : 02-2769 mb .
 Misc : water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:49:36 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

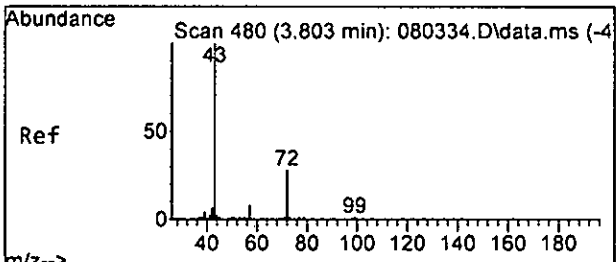
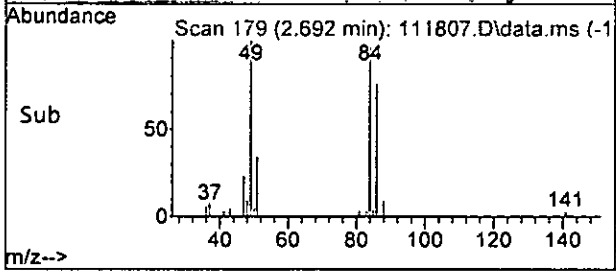
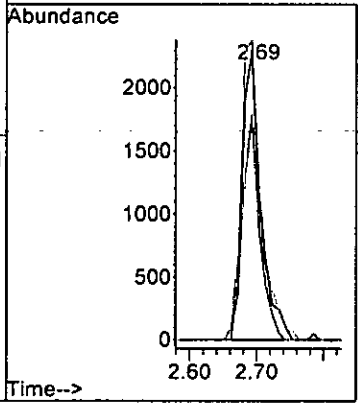
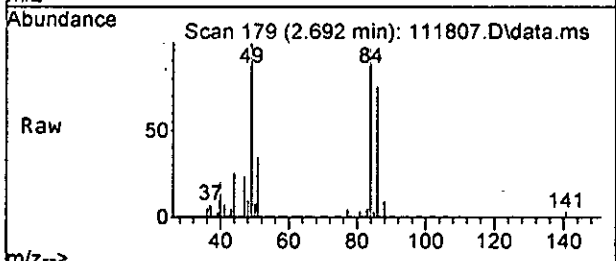




#14
 Methylene chloride
 Concen: 0.453 ppb
 RT: 2.69 min Scan# 179
 Delta R.T. 0.010 min
 Lab File: 111807.D
 Acq: 18 Nov 2022 07:46 am

Tgt Ion: 84 Resp: 4377

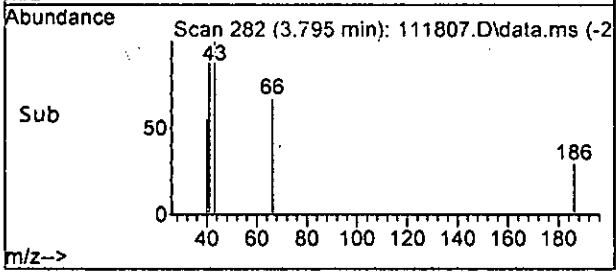
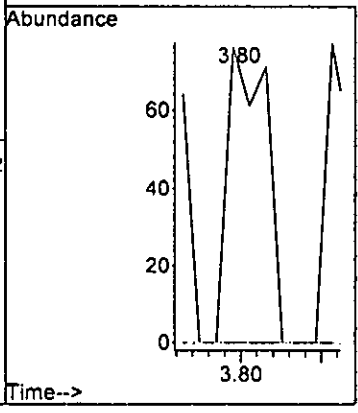
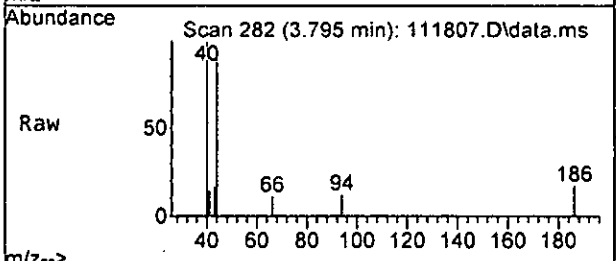
Ion	Ratio	Lower	Upper
84	100		
86	77.6	37.1	97.1
49	103.6	81.3	141.3

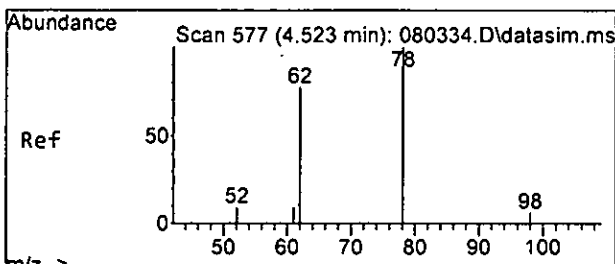


#24
 2-Butanone (MEK)
 Concen: Below Cal
 RT: 3.80 min Scan# 282
 Delta R.T. 0.000 min
 Lab File: 111807.D
 Acq: 18 Nov 2022 07:46 am

Tgt Ion: 43 Resp: 129

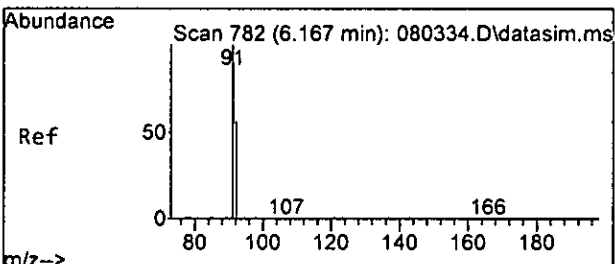
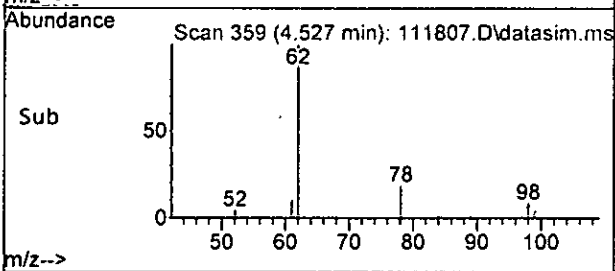
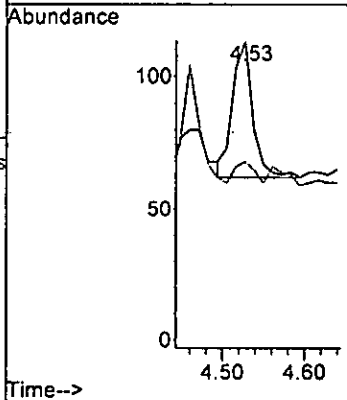
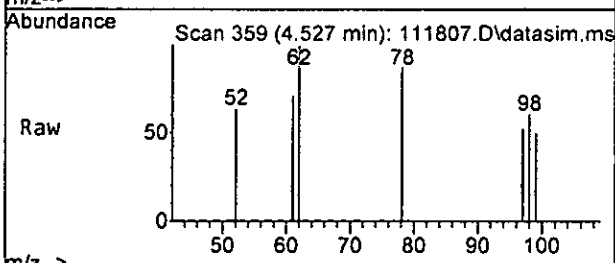
Ion	Ratio	Lower	Upper
43	100		
72	0.0	0.0	57.0
57	0.0	0.0	28.0





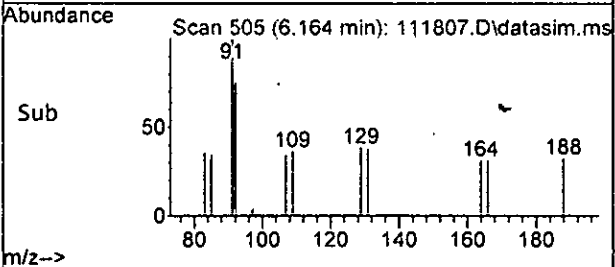
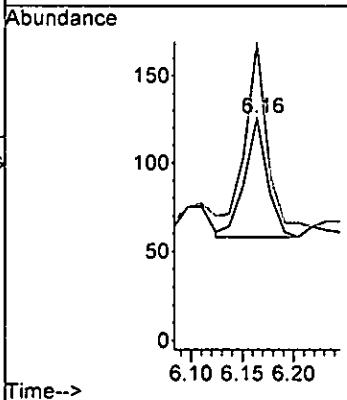
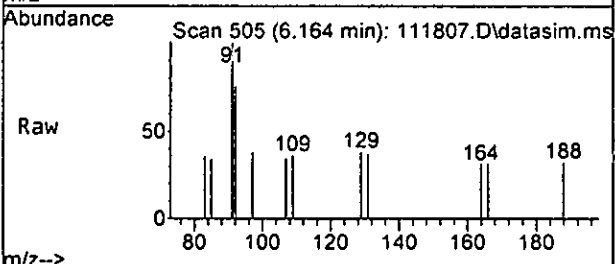
#26
 1,2-Dichloroethane (EDC)
 Concen: Below Cal
 RT: 4.53 min Scan# 359
 Delta R.T. 0.000 min
 Lab File: 111807.D
 Acq: 18 Nov 2022 07:46 am

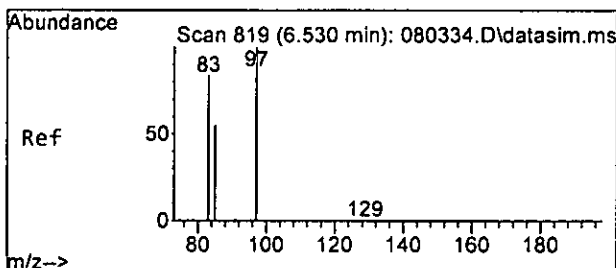
Tgt Ion: 62 Resp: 88
 Ion Ratio Lower Upper
 62 100
 98 17.6 0.0 40.1



#40
 Toluene
 Concen: Below Cal
 RT: 6.16 min Scan# 505
 Delta R.T. 0.000 min
 Lab File: 111807.D
 Acq: 18 Nov 2022 07:46 am

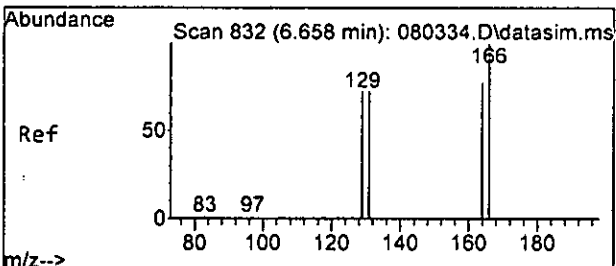
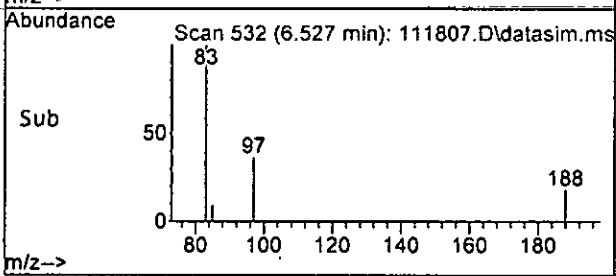
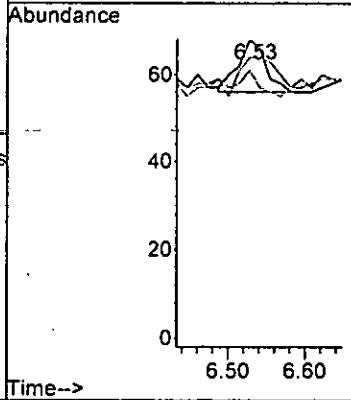
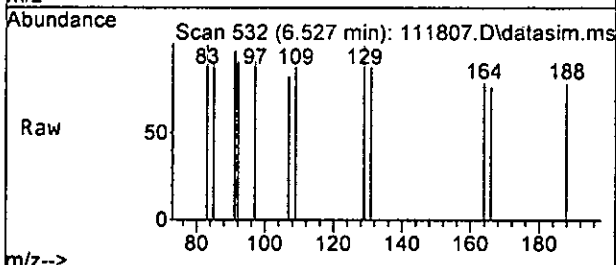
Tgt Ion: 92 Resp: 105
 Ion Ratio Lower Upper
 92 100
 91 151.5 148.5 208.5





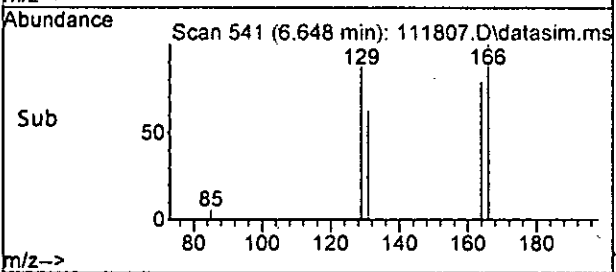
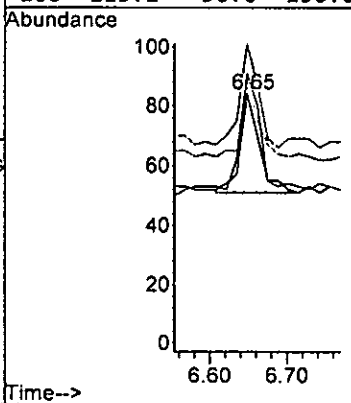
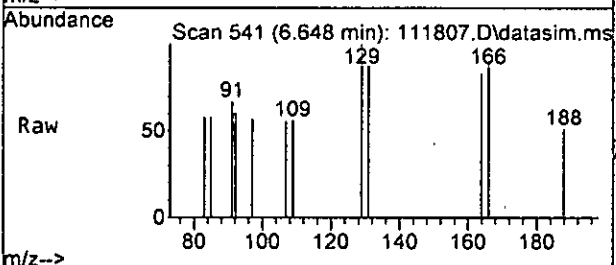
#42
 1,1,2-Trichloroethane
 Concen: Below Cal
 RT: 6.53 min Scan# 532
 Delta R.T. 0.000 min
 Lab File: 111807.D
 Acq: 18 Nov 2022 07:46 am

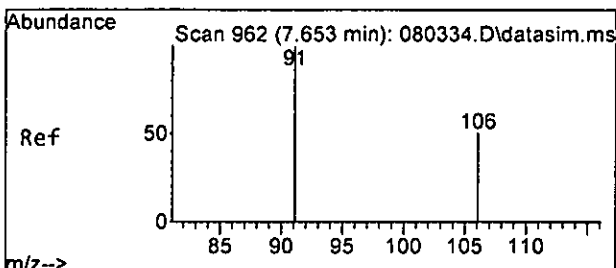
Tgt Ion:	83	97	85	Resp:	30
Ion Ratio	100	41.7	33.3	Lower	Upper
		88.0	35.3	148.0#	95.3#



#45
 Tetrachloroethene
 Concen: Below Cal
 RT: 6.65 min Scan# 541
 Delta R.T. 0.000 min
 Lab File: 111807.D
 Acq: 18 Nov 2022 07:46 am

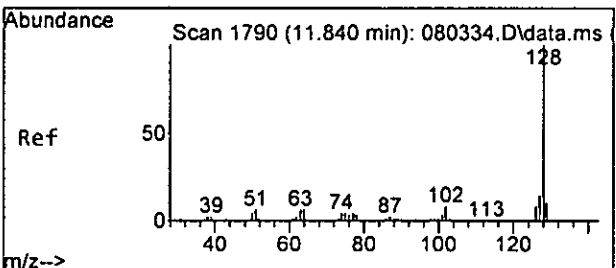
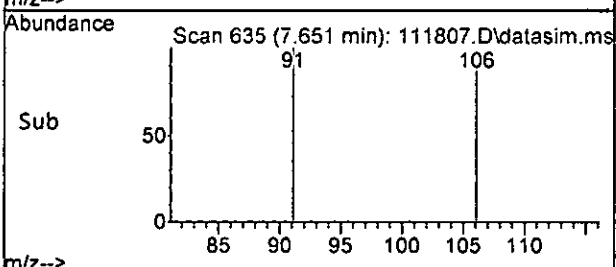
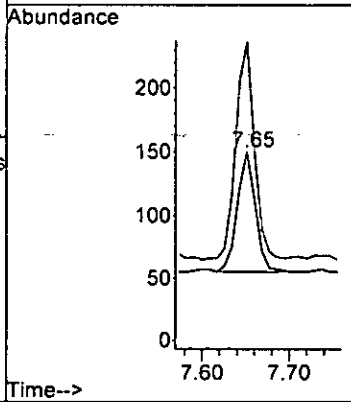
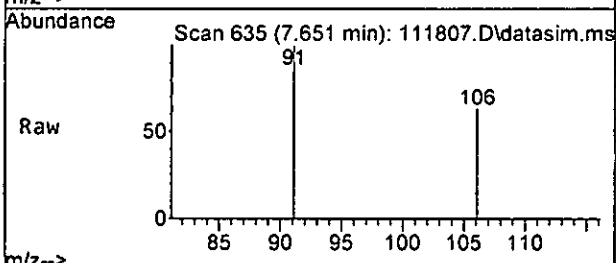
Tgt Ion:	164	129	131	166	Resp:	56
Ion Ratio	100	103.0	78.8	115.2	Lower	Upper
		72.1	64.8	90.0	132.1	124.8
					150.0	





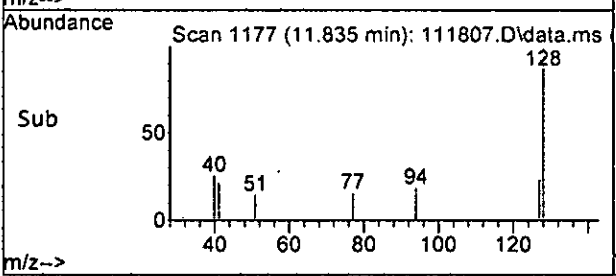
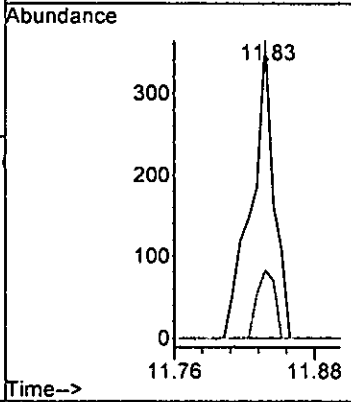
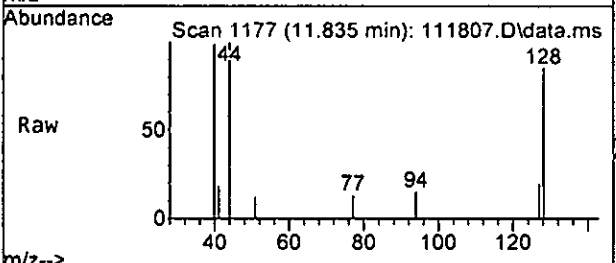
#51
 m,p-Xylene
 Concen: 0.025 ppb
 RT: 7.65 min Scan# 635
 Delta R.T. 0.000 min
 Lab File: 111807.D
 Acq: 18 Nov 2022 07:46 am

Tgt Ion:106 Resp: 138
 Ion Ratio Lower Upper
 106 100
 91 180.0 175.7 235.7



#75
 Naphthalene
 Concen: 0.126 ppb
 RT: 11.83 min Scan# 1177
 Delta R.T. -0.000 min
 Lab File: 111807.D
 Acq: 18 Nov 2022 07:46 am

Tgt Ion:128 Resp: 472
 Ion Ratio Lower Upper
 128 100
 129 0.0 0.0 40.8
 127 22.8 0.0 43.1



Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111807.D
 Acq On : 18 Nov 2022 07:46 am
 Operator : LM
 Sample : 02-2769 mb
 Misc : water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:49:36 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) Fluorobenzene	4.75	96	98432	10.000	ppb	0.00	
39) Chlorobenzene-d5	7.41	117	91850	10.000	ppb	0.00	
56) 1,4-Dichlorobenzene-d4	9.62	152	53151	10.000	ppb	0.00	
System Monitoring Compounds							
3) Dibromofluoromethane	4.18	113	34370	10.888	ppb	0.00	
Spiked Amount	10.000	Range 50 - 150	Recovery	= 108.90%			
30) 1,2-Dichloroethane-d4	4.45	102	5910	9.661	ppb	0.00	
Spiked Amount	10.000	Range 71 - 132	Recovery	= 96.60%			
35) Toluene-d8	6.11	98	95980	10.224	ppb	0.00	
Spiked Amount	10.000	Range 68 - 139	Recovery	= 102.20%			
57) 4-Bromofluorobenzene	8.51	95	36156	9.872	ppb	0.00	
Spiked Amount	10.000	Range 62 - 136	Recovery	= 98.70%			
Target Compounds							
2) Ethanol	2.34	45	197	No Calib			Qvalue
4) Dichlorodifluoromethane	0.00		0	N.D.			
5) Chloromethane	1.25	50	812	N.D.			
6) Vinyl chloride	0.00		0	N.D.			
7) Bromomethane	0.00		0	N.D. d			
8) Chloroethane	0.00		0	N.D.			
9) Trichlorofluoromethane	1.85	101	37	N.D.			
10) 2-Propanol	2.34	45	197	No Calib	#		
11) Acetone	2.33	58	465	N.D.			
12) 1,1-Dichloroethene	0.00		0	N.D. d			
13) Hexane	0.00		0	N.D.			
14) Methylene chloride	2.69	84	4377	0.453	ppb	91	
15) t-Butyl alcohol (TBA)	0.00		0	N.D.			
16) Methyl t-butyl ether (...)	0.00		0	N.D.			
17) trans-1,2-Dichloroethene	0.00		0	N.D.			
18) Diisopropyl ether (DIPE)	0.00		0	N.D.			
19) 1,1-Dichloroethane	0.00		0	N.D.			
20) Ethyl t-butyl ether (E...)	0.00		0	N.D.			
21) 2,2-Dichloropropane	3.83	77	170	N.D.			
22) cis-1,2-Dichloroethene	0.00		0	N.D.			
23) Chloroform	0.00		0	N.D.			
24) 2-Butanone (MEK)	3.80	43	129	Below Cal		55	
25) t-Amyl methyl ether (T...)	0.00		0	N.D.			
26] 1,2-Dichloroethane (EDC)	4.53	62	88	Below Cal		80	
27) 1,1,1-Trichloroethane	0.00		0	N.D.			
28) 1,1-Dichloropropene	0.00		0	N.D.			
29) Carbon tetrachloride	0.00		0	N.D.			
31) Benzene	4.50	78	68	N.D.			
32) Trichloroethene	5.05	95	29	N.D.			
33) 1,2-Dichloropropane	5.35	63	32	N.D.			
34) Bromodichloromethane	0.00		0	N.D.			
36) Dibromomethane	0.00		0	N.D.			

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111807.D
 Acq On : 18 Nov 2022 07:46 am
 Operator : LM
 Sample : 02-2769 mb
 Misc : water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

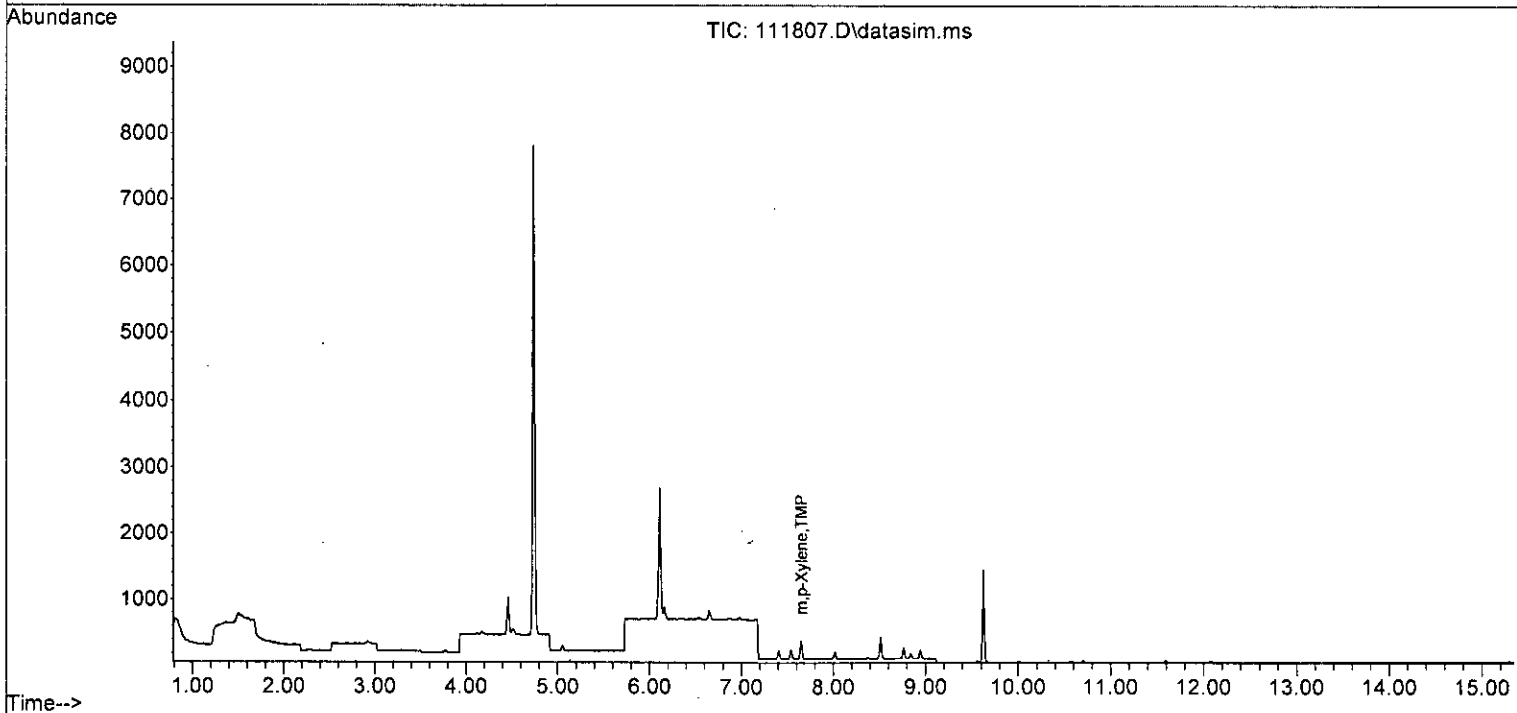
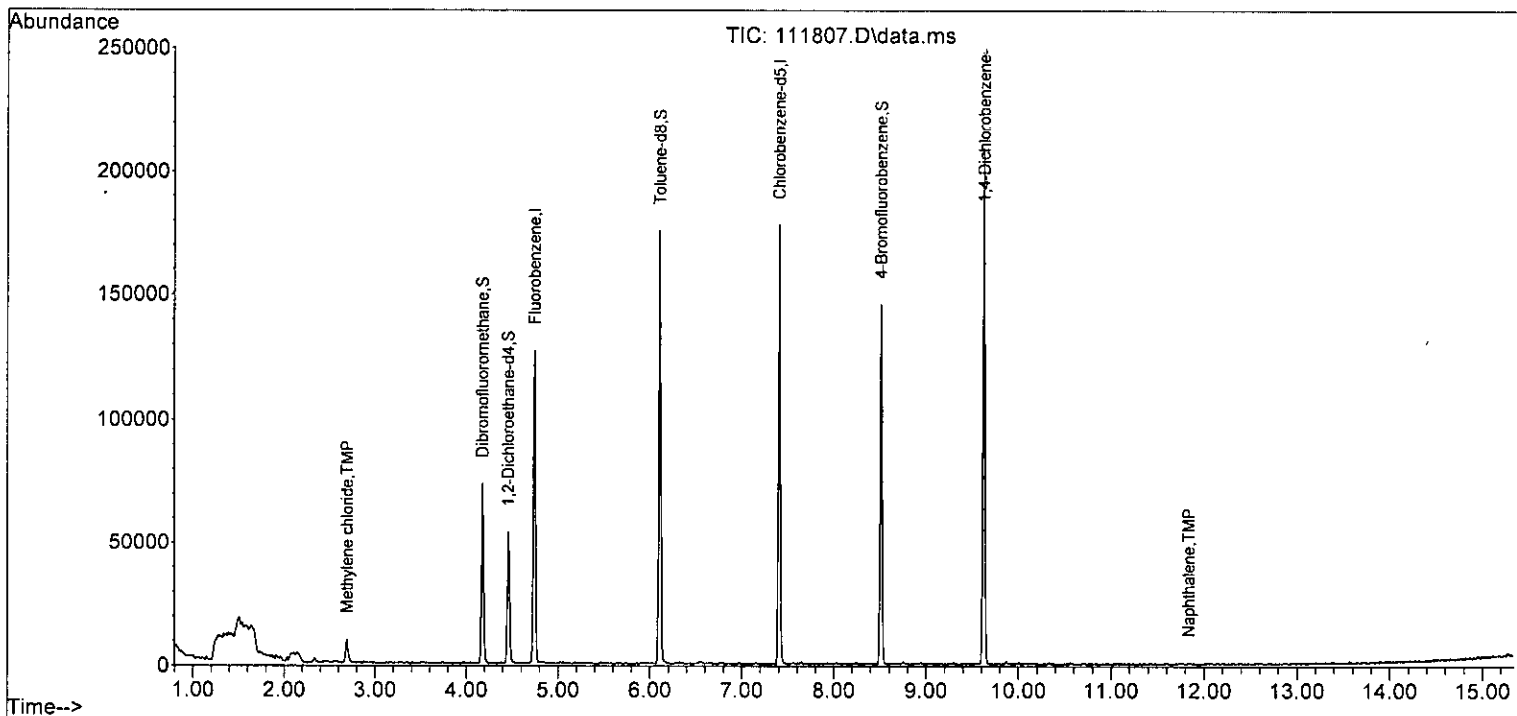
Quant Time: Nov 21 09:49:36 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.00		0		N.D.	
38) cis-1,3-Dichloropropene	0.00		0		N.D.	
40] Toluene	6.16	92	105	Below Cal		81
41) trans-1,3-Dichloropropene	6.36	75	58	N.D.		
42] 1,1,2-Trichloroethane	6.53	83	30	Below Cal	#	41
43) 2-Hexanone	0.00		0		N.D. d	
44) 1,3-Dichloropropane	6.83	76	56		N.D.	
45] Tetrachloroethene	6.65	164	56	Below Cal		93
46) Dibromochloromethane	0.00		0		N.D.	
47) 1,2-Dibromoethane (EDB)	6.98	107	29		N.D.	
48) Chlorobenzene	7.43	112	97		N.D.	
49) Ethylbenzene	7.54	91	141		N.D.	
50) 1,1,1,2-Tetrachloroethane	0.00		0		N.D.	
51] m,p-Xylene	7.65	106	138	0.025	ppb	83
52) o-Xylene	8.02	106	51		N.D.	
53) Styrene	8.03	104	91		N.D.	
54) Isopropylbenzene	8.37	105	170		N.D.	
55) Bromoform	0.00		0		N.D.	
58) n-Propylbenzene	8.77	91	254		N.D.	
59) Bromobenzene	8.65	156	33		N.D.	
60) 1,3,5-Trimethylbenzene	8.94	105	138		N.D.	
61) 1,1,2,2-Tetrachloroethane	0.00		0		N.D.	
62) 1,2,3-Trichloropropane	0.00		0		N.D. d	
63) 2-Chlorotoluene	8.77	91	254		N.D.	
64) 4-Chlorotoluene	8.95	91	129		N.D.	
65) tert-Butylbenzene	9.25	119	128		N.D.	
66) 1,2,4-Trimethylbenzene	9.30	105	297		N.D.	
67) sec-Butylbenzene	9.46	105	159		N.D.	
68) p-Isopropyltoluene	9.62	119	211		N.D.	
69) 1,3-Dichlorobenzene	9.64	146	247		N.D.	
70) 1,4-Dichlorobenzene	9.64	146	247		N.D.	
71) 1,2-Dichlorobenzene	10.01	146	106		N.D.	
72) 1,2-Dibromo-3-chloropr...	0.00		0		N.D.	
73) 1,2,4-Trichlorobenzene	11.59	180	203		N.D.	
74) Hexachlorobutadiene	11.78	225	111		N.D.	
75) Naphthalene	11.83	128	472	0.126	ppb	74
76) 1,2,3-Trichlorobenzene	12.08	180	127		N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111807.D
 Acq On : 18 Nov 2022 07:46 am
 Operator : LM
 Sample : 02-2769 mb
 Misc : water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:49:36 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

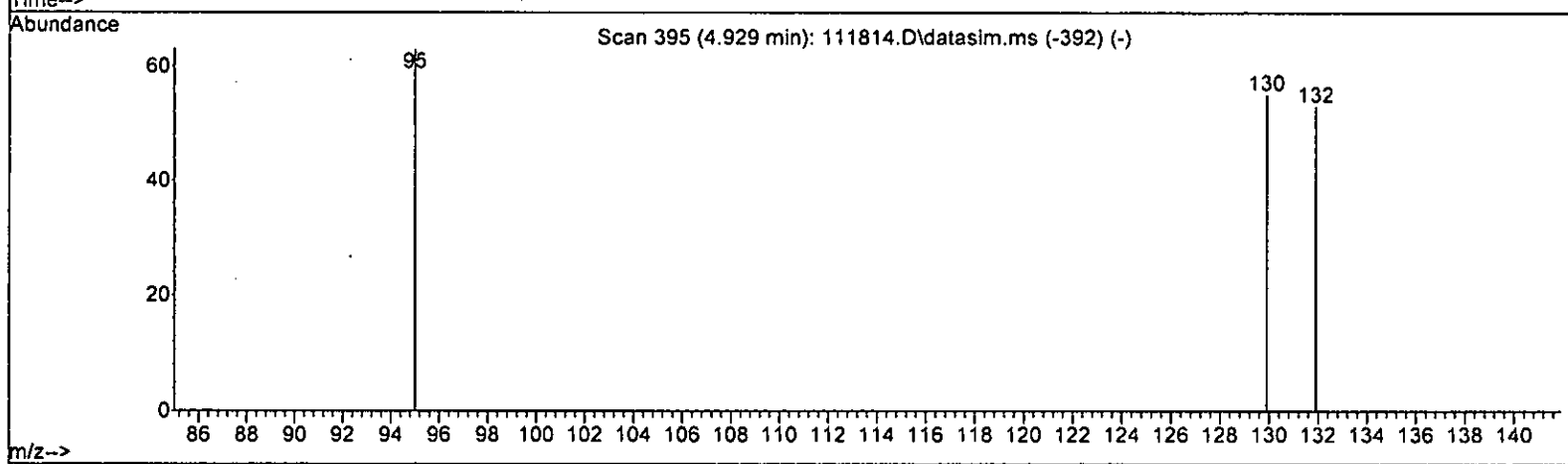
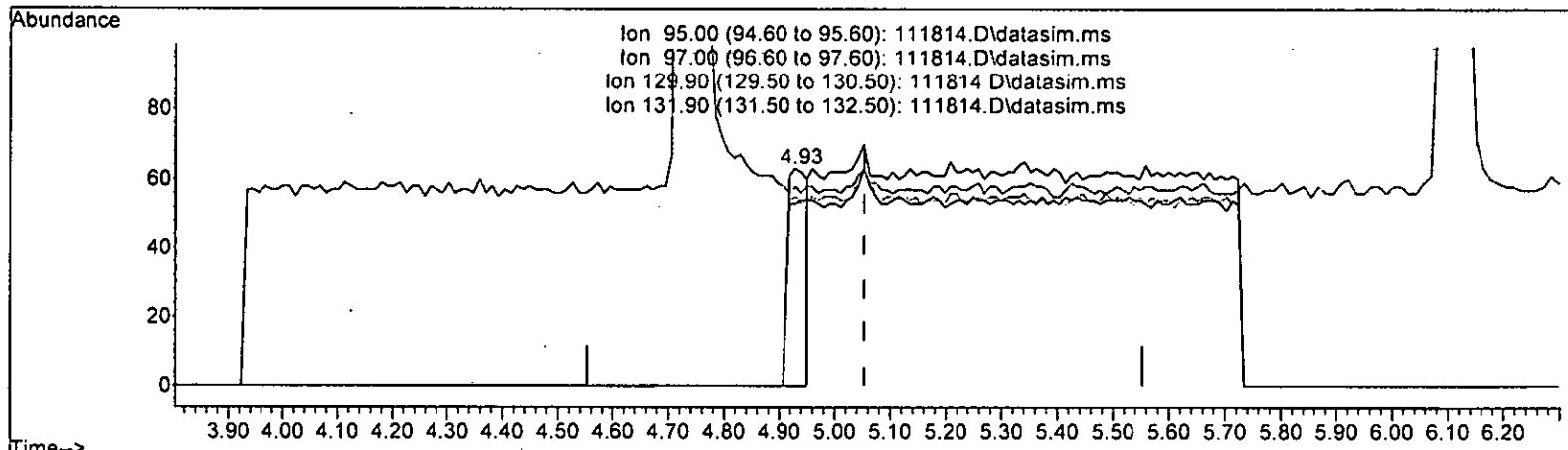


EPA 8260D
Sample Data

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111814.D
 Acq On : 18 Nov 2022 12:28 pm
 Operator : LM
 Sample : 211213-01 1/0.25
 Misc : soil
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:44:47 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



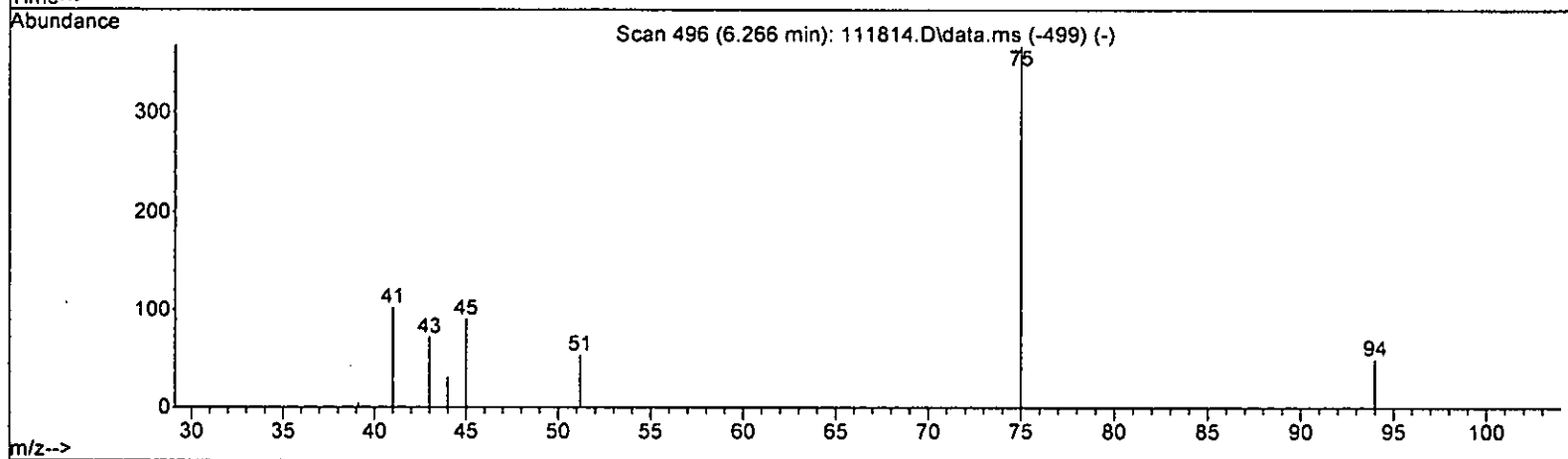
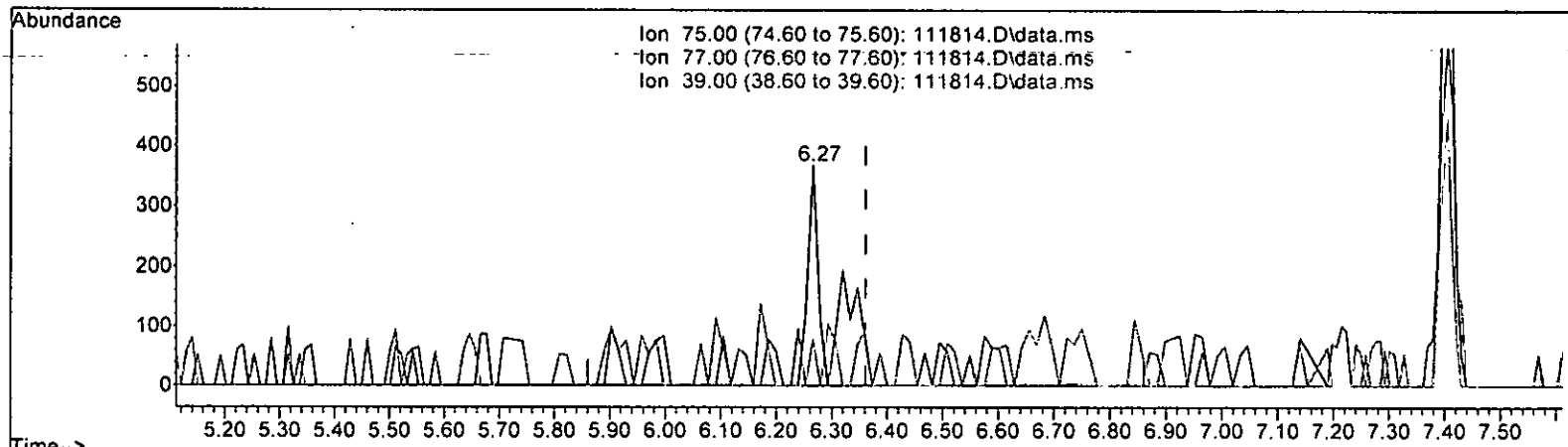
TIC: 111814.D\data.ms

(32) Trichloroethene (TMP)		
4.929min (-0.124) 0.044 ppb		
response	157	
Ion	Exp%	Act%
95.00	100.00	100.00
97.00	64.60	0.00#
129.90	103.40	87.30
131.90	95.80	84.13

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111814.D
 Acq On : 18 Nov 2022 12:28 pm
 Operator : LM
 Sample : 211213-01 1/0.25
 Misc : soil
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:44:47 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 Qlast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 111814.D\data.ms

(41) trans-1,3-Dichloropropene (TMP)

6.266min (-0.095) 0.157 ppb

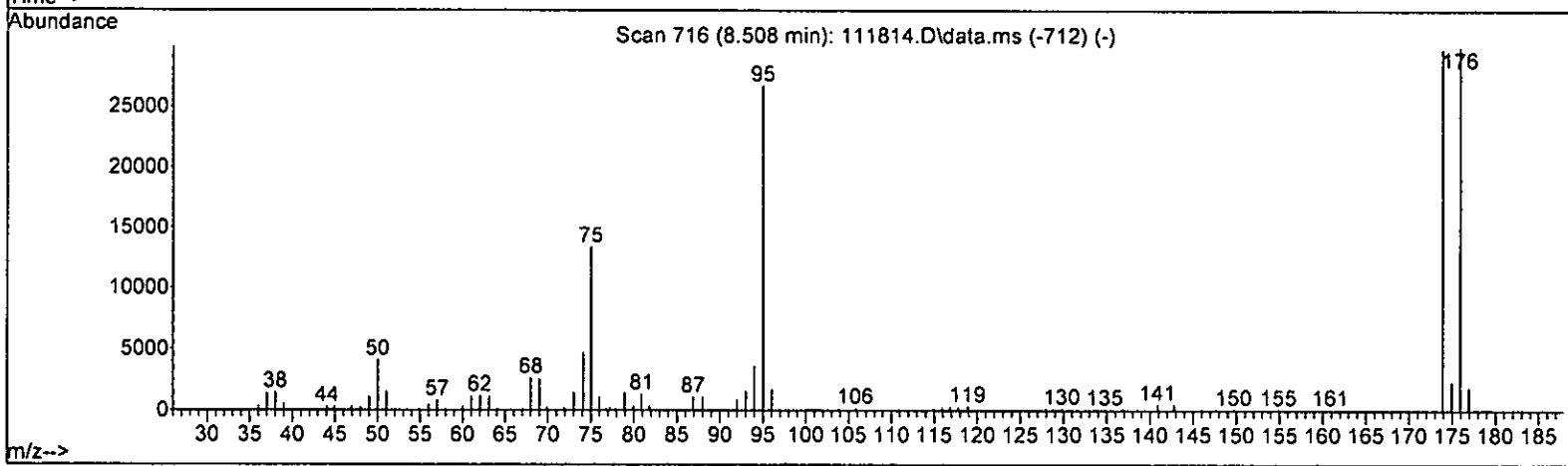
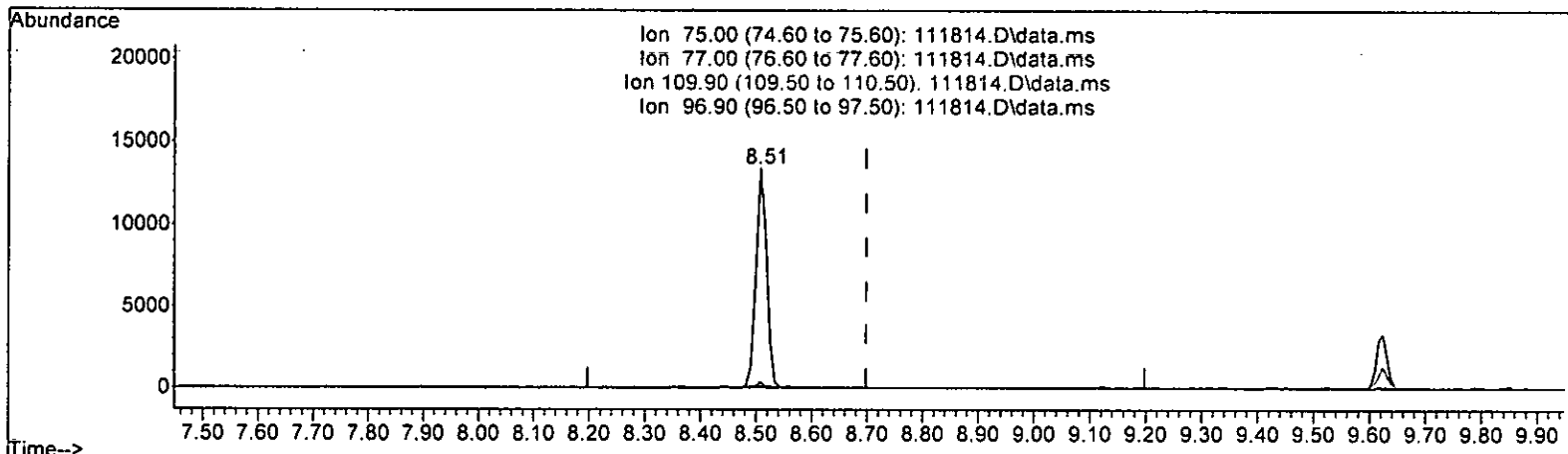
response 476

Ion	Exp%	Act%
75.00	100.00	100.00
77.00	32.60	0.00#
39.00	46.30	21.25
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111814.D
 Acq On : 18 Nov 2022 12:28 pm
 Operator : LM
 Sample : 211213-01 1/0.25
 Misc : soil
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:44:47 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 111814.D\data.ms

(62) 1,2,3-Trichloropropane (TMP)			
8.508min (-0.190) 6.786 ppb			
response	17792		
Ion	Exp%	Act%	
75.00	100.00	100.00	
77.00	34.00	2.58#	
109.90	36.50	0.00#	
96.90	22.60	0.70	

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111814.D
 Acq On : 18 Nov 2022 12:28 pm
 Operator : LM
 Sample : 211213-01 1/0.25
 Misc : soil
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:44:47 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 Qlast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

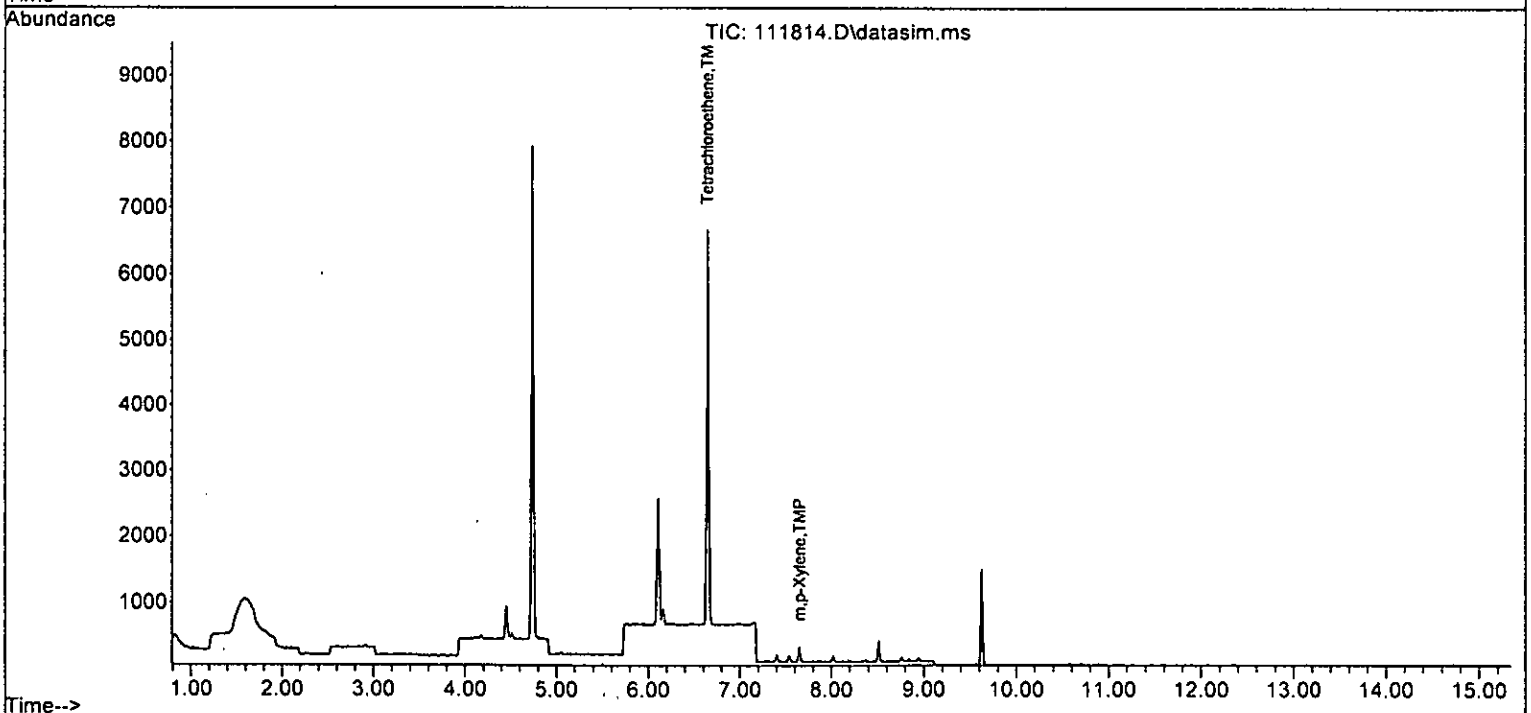
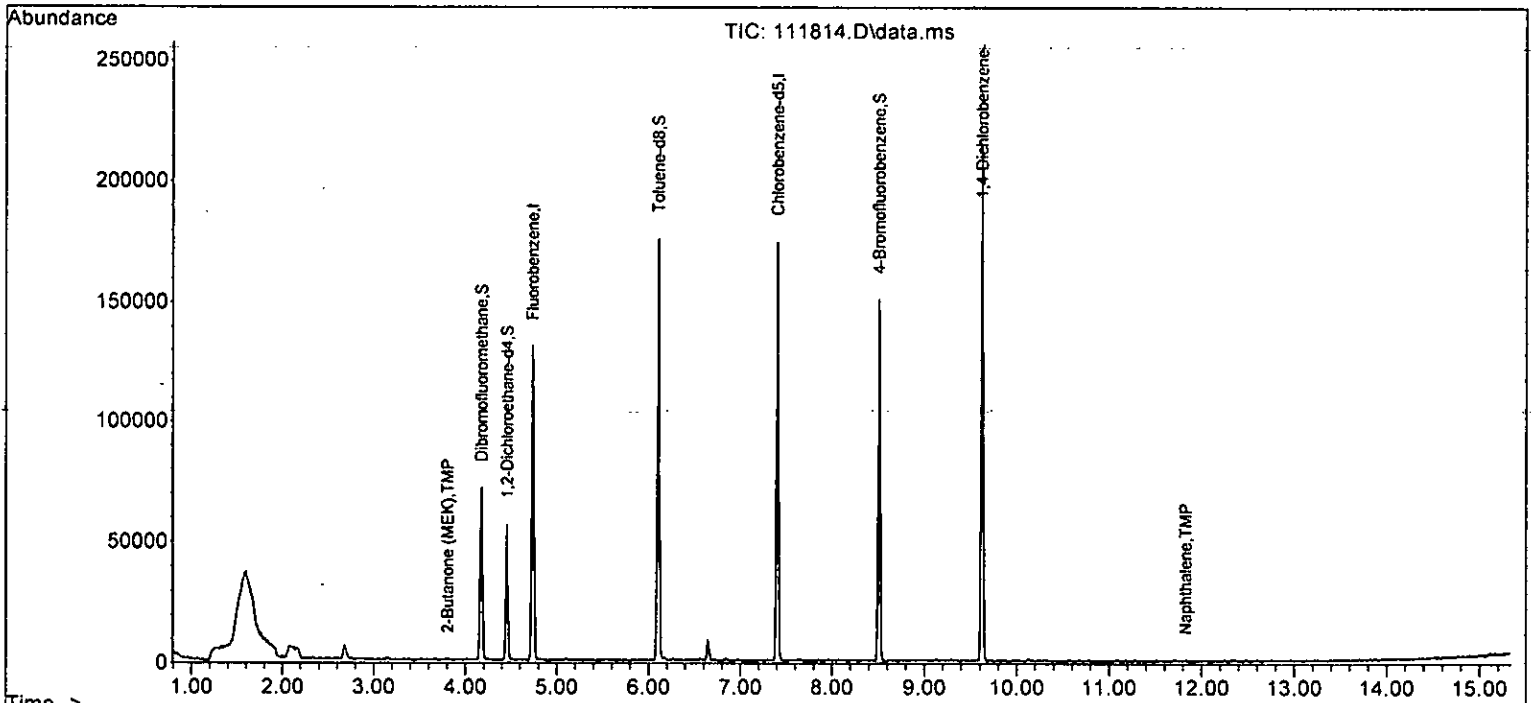
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

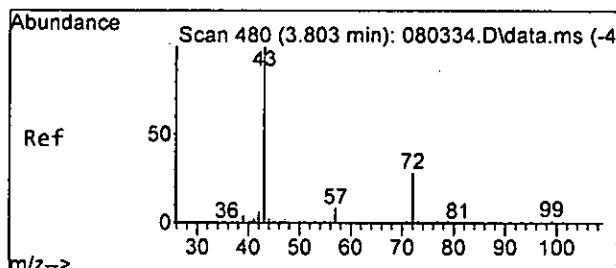
Internal Standards							
1) Fluorobenzene	4.73	96	97000	10.000	ppb	-0.01	
39) Chlorobenzene-d5	7.40	117	89445	10.000	ppb	0.00	
56) 1,4-Dichlorobenzene-d4	9.62	152	53928	10.000	ppb	0.00	
System Monitoring Compounds							
3) Dibromofluoromethane	4.17	113	32147	10.334	ppb	0.00	
Spiked Amount	10.000	Range 50 - 150	Recovery	=	103.30%		
30) 1,2-Dichloroethane-d4	4.45	102	5837	9.683	ppb	0.00	
Spiked Amount	10.000	Range 84 - 120	Recovery	=	96.80%		
35) Toluene-d8	6.10	98	95180	10.288	ppb	0.00	
Spiked Amount	10.000	Range 73 - 128	Recovery	=	102.90%		
57) 4-Bromofluorobenzene	8.51	95	36900	9.930	ppb	0.00	
Spiked Amount	10.000	Range 57 - 146	Recovery	=	99.30%		
Target Compounds							
							Qvalue
11) Acetone	2.34	58	87	Below Cal	#	1	
24) 2-Butanone (MEK)	3.80	43	837	0.434	ppb	55	
26] 1,2-Dichloroethane (EDC)	4.52	62	71	Below Cal		85	
40] Toluene	6.16	92	118	Below Cal		93	
45] Tetrachloroethene	6.65	164	2080	0.571	ppb	92	
51] m,p-Xylene	7.65	106	123	0.022	ppb	# 76	
75) Naphthalene	11.83	128	184	0.097	ppb	69	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111814.D
 Acq On : 18 Nov 2022 12:28 pm
 Operator : LM
 Sample : 211213-01 1/0.25
 Misc : soil
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:44:47 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

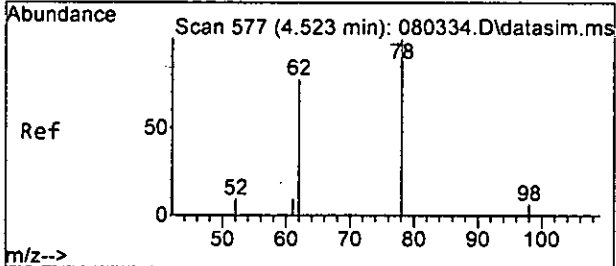
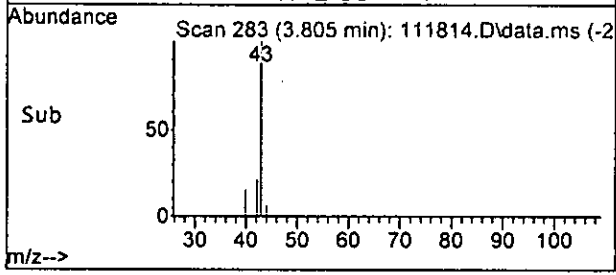
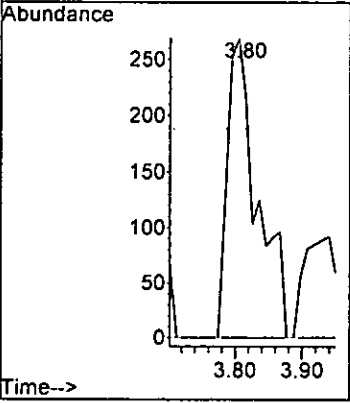
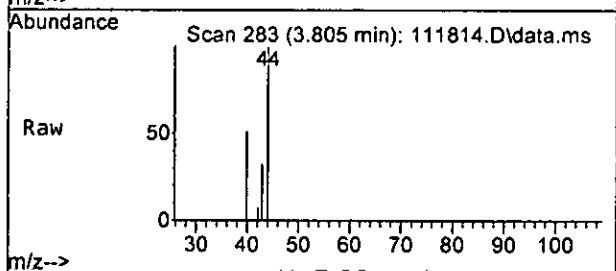




#24
 2-Butanone (MEK)
 Concen: 0.434 ppb
 RT: 3.80 min Scan# 283
 Delta R.T. 0.010 min
 Lab File: 111814.D
 Acq: 18 Nov 2022 12:28 pm

Tgt Ion: 43 Resp: 837

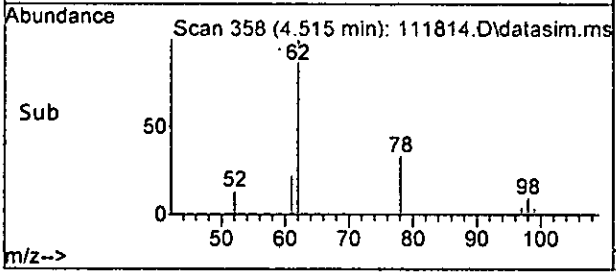
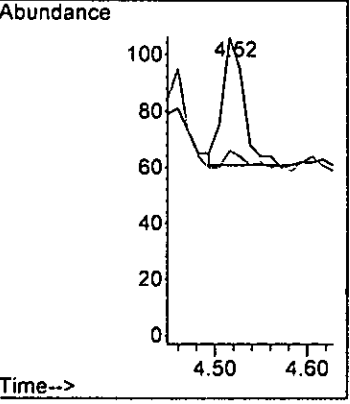
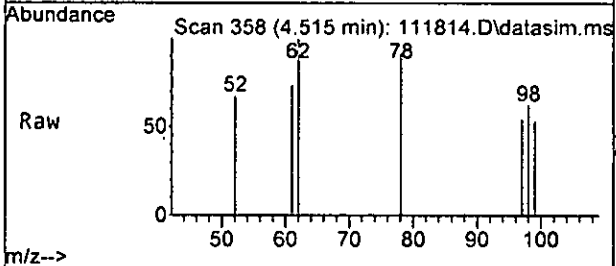
Ion	Ratio	Lower	Upper
43	100		
72	0.0	0.0	57.0
57	0.0	0.0	28.0

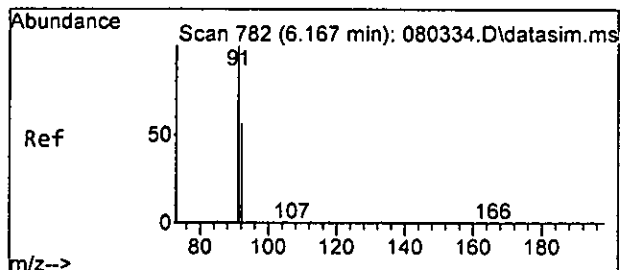


#26
 1,2-Dichloroethane (EDC)
 Concen: Below Cal
 RT: 4.52 min Scan# 358
 Delta R.T. -0.012 min
 Lab File: 111814.D
 Acq: 18 Nov 2022 12:28 pm

Tgt Ion: 62 Resp: 71

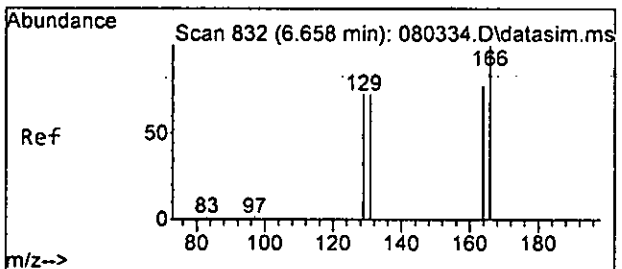
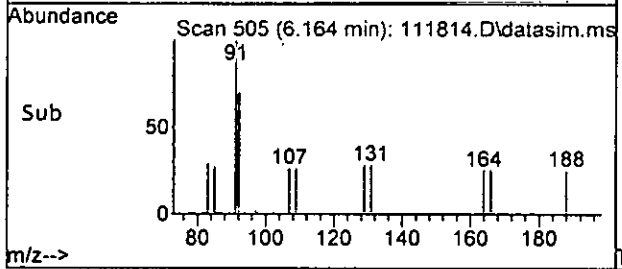
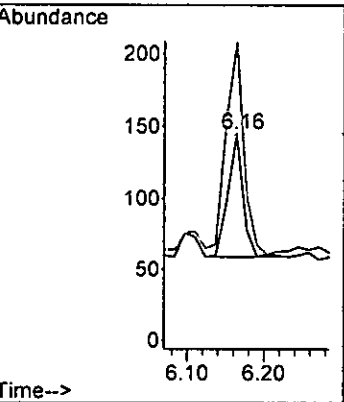
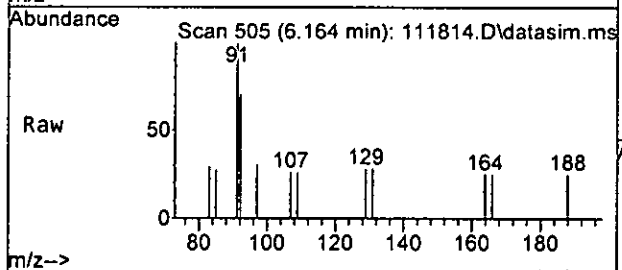
Ion	Ratio	Lower	Upper
62	100		
98	15.6	0.0	40.1





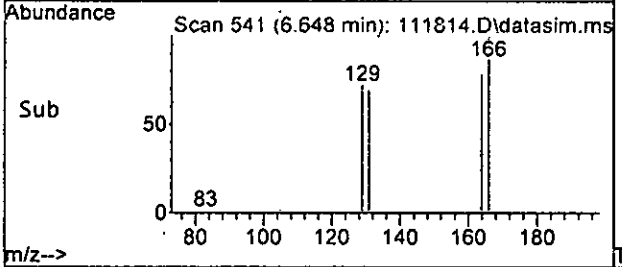
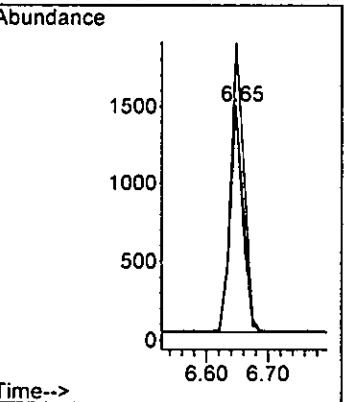
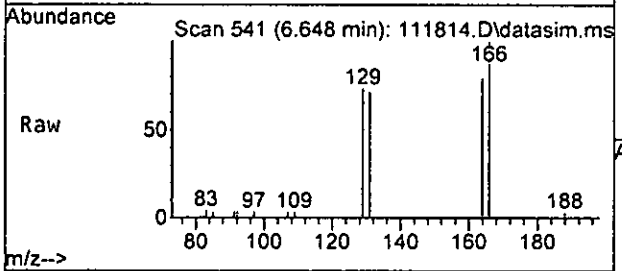
#40
 Toluene
 Concen: Below Cal
 RT: 6.16 min Scan# 505
 Delta R.T. -0.000 min
 Lab File: 111814.D
 Acq: 18 Nov 2022 12:28 pm

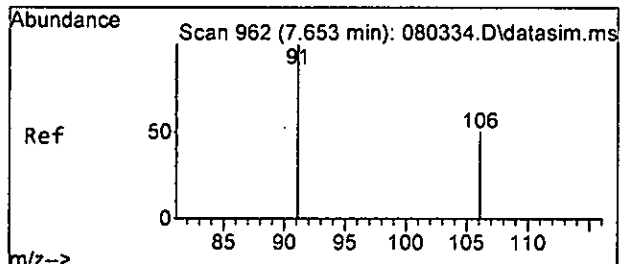
Tgt Ion: 92 Resp: 118
 Ion Ratio Lower Upper
 92 100
 91 168.6 148.5 208.5



#45
 Tetrachloroethene
 Concen: 0.571 ppb
 RT: 6.65 min Scan# 541
 Delta R.T. -0.000 min
 Lab File: 111814.D
 Acq: 18 Nov 2022 12:28 pm

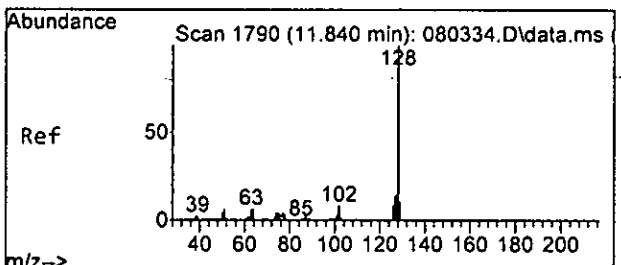
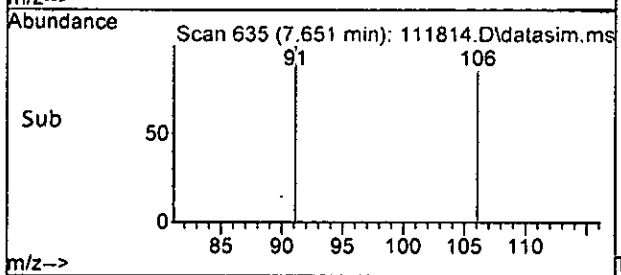
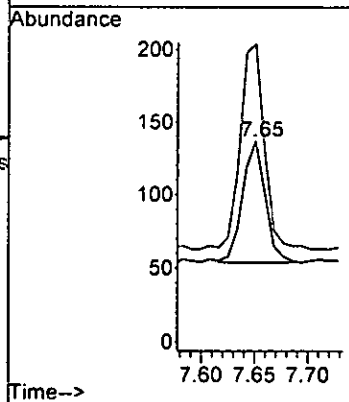
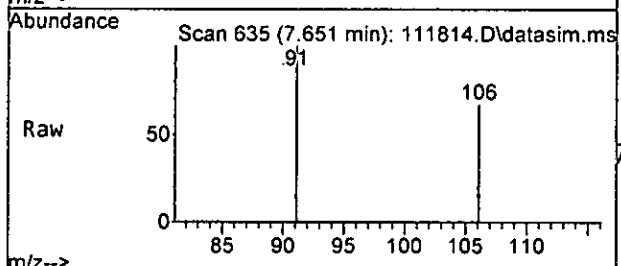
Tgt Ion: 164 Resp: 2080
 Ion Ratio Lower Upper
 164 100
 129 92.6 72.1 132.1
 131 89.0 64.8 124.8
 166 128.3 90.0 150.0





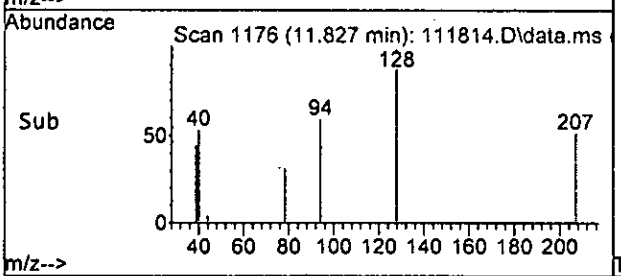
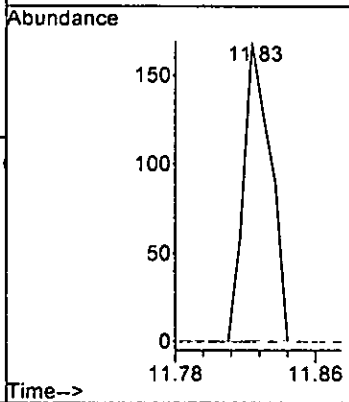
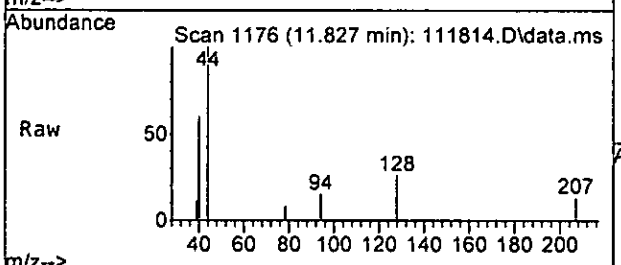
#51
 m,p-Xylene
 Concen: 0.022 ppb
 RT: 7.65 min Scan# 635
 Delta R.T. -0.000 min
 Lab File: 111814.D
 Acq: 18 Nov 2022 12:28 pm

Tgt Ion:106 Resp: 123
 Ion Ratio Lower Upper
 106 100
 91 168.7 175.7 235.7#



#75
 Naphthalene
 Concen: 0.097 ppb
 RT: 11.83 min Scan# 1176
 Delta R.T. -0.008 min
 Lab File: 111814.D
 Acq: 18 Nov 2022 12:28 pm

Tgt Ion:128 Resp: 184
 Ion Ratio Lower Upper
 128 100
 129 0.0 0.0 40.8
 127 0.0 0.0 43.1



Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111814.D
 Acq On : 18 Nov 2022 12:28 pm
 Operator : LM
 Sample : 211213-01 1/0.25
 Misc : soil
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:44:47 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) Fluorobenzene	4.73	96	97000	10.000	ppb	-0.01	
39) Chlorobenzene-d5	7.40	117	89445	10.000	ppb	0.00	
56) 1,4-Dichlorobenzene-d4	9.62	152	53928	10.000	ppb	0.00	
System Monitoring Compounds							
3) Dibromofluoromethane	4.17	113	32147	10.334	ppb	0.00	
Spiked Amount	10.000	Range 50 - 150	Recovery	=	103.30%		
30) 1,2-Dichloroethane-d4	4.45	102	5837	9.683	ppb	0.00	
Spiked Amount	10.000	Range 84 - 120	Recovery	=	96.80%		
35) Toluene-d8	6.10	98	95180	10.288	ppb	0.00	
Spiked Amount	10.000	Range 73 - 128	Recovery	=	102.90%		
57) 4-Bromofluorobenzene	8.51	95	36900	9.930	ppb	0.00	
Spiked Amount	10.000	Range 57 - 146	Recovery	=	99.30%		
Target Compounds							
2) Ethanol	2.33	45	201	No Calib			Qvalue
4) Dichlorodifluoromethane	0.00		0	N.D.			
5) Chloromethane	1.26	50	790	N.D.			
6) Vinyl chloride	0.00		0	N.D.			
7) Bromomethane	0.00		0	N.D. d			
8) Chloroethane	0.00		0	N.D.			
9) Trichlorofluoromethane	0.00		0	N.D.			
10) 2-Propanol	2.33	45	201	No Calib	#		
11) Acetone	2.34	58	87	Below Cal	#	1	
12) 1,1-Dichloroethene	0.00		0	N.D.			
13) Hexane	3.15	57	278	N.D.			
14) Methylene chloride	2.68	84	3220	N.D.			
15) t-Butyl alcohol (TBA)	0.00		0	N.D.			
16) Methyl t-butyl ether (...)	0.00		0	N.D.			
17) trans-1,2-Dichloroethene	0.00		0	N.D.			
18) Diisopropyl ether (DIPE)	3.29	45	35	N.D.			
19) 1,1-Dichloroethane	0.00		0	N.D.			
20) Ethyl t-butyl ether (E...)	0.00		0	N.D.			
21) 2,2-Dichloropropane	3.75	77	157	N.D.			
22) cis-1,2-Dichloroethene	0.00		0	N.D.			
23) Chloroform	0.00		0	N.D.			
24) 2-Butanone (MEK)	3.80	43	837	0.434	ppb	55	
25) t-Amyl methyl ether (T...)	0.00		0	N.D.			
26] 1,2-Dichloroethane (EDC)	4.52	62	71	Below Cal		85	
27) 1,1,1-Trichloroethane	0.00		0	N.D.			
28) 1,1-Dichloropropene	0.00		0	N.D.			
29) Carbon tetrachloride	0.00		0	N.D.			
31) Benzene	4.50	78	64	N.D.			
32) Trichloroethene	0.00		0	N.D. d			
33) 1,2-Dichloropropane	0.00		0	N.D.			
34) Bromodichloromethane	0.00		0	N.D.			
36) Dibromomethane	0.00		0	N.D.			

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111814.D
 Acq On : 18 Nov 2022 12:28 pm
 Operator : LM
 Sample : 211213-01 1/0.25
 Misc : soil
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS13

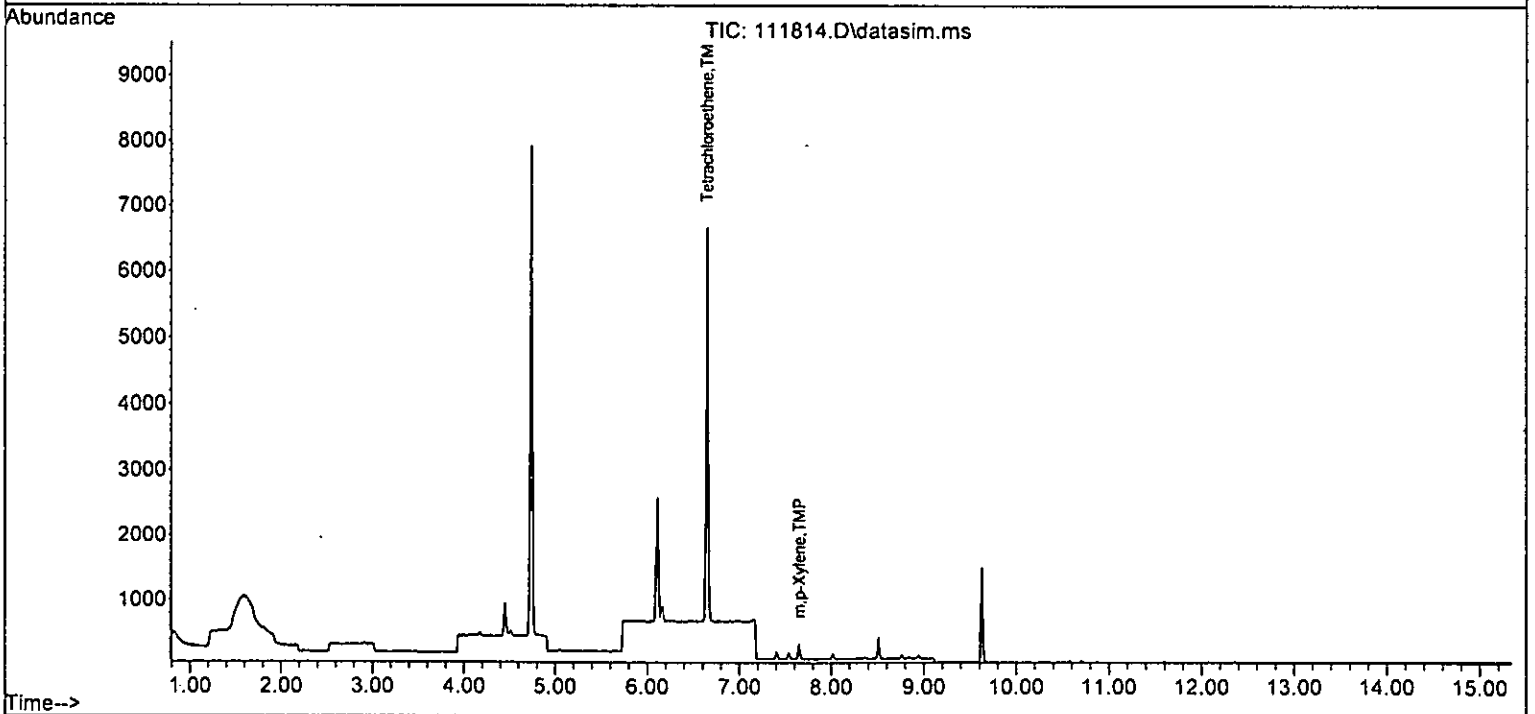
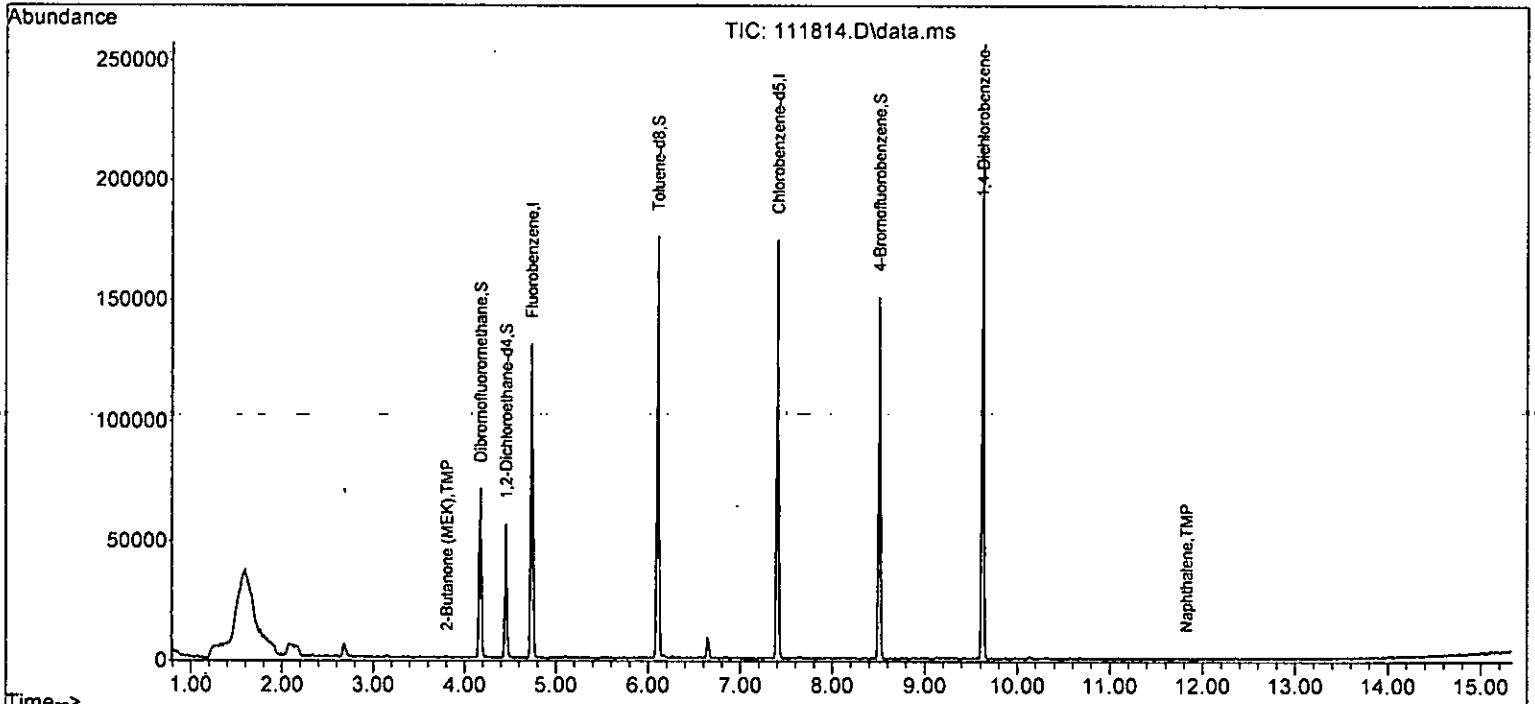
Quant Time: Nov 21 09:44:47 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.00		0		N.D.	
38) cis-1,3-Dichloropropene	0.00		0		N.D.	
40] Toluene	6.16	92	118		Below Cal	93
41) trans-1,3-Dichloropropene	0.00		0		N.D. d	
42) 1,1,2-Trichloroethane	6.65	83	43		N.D.	
43) 2-Hexanone	6.70	43	94		N.D.	
44) 1,3-Dichloropropane	0.00		0		N.D.	
45] Tetrachloroethene	6.65	164	2080	0.571	ppb	92
46) Dibromochloromethane	0.00		0		N.D.	
47) 1,2-Dibromoethane (EDB)	0.00		0		N.D.	
48) Chlorobenzene	0.00		0		N.D.	
49) Ethylbenzene	7.54	91	114		N.D.	
50) 1,1,1,2-Tetrachloroethane	0.00		0		N.D.	
51] m,p-Xylene	7.65	106	123	0.022	ppb #	76
52) o-Xylene	8.02	106	44		N.D.	
53) Styrene	0.00		0		N.D.	
54) Isopropylbenzene	8.37	105	200		N.D.	
55) Bromoform	0.00		0		N.D.	
58) n-Propylbenzene	8.77	91	146		N.D.	
59) Bromobenzene	0.00		0		N.D.	
60) 1,3,5-Trimethylbenzene	0.00		0		N.D.	
61) 1,1,2,2-Tetrachloroethane	0.00		0		N.D.	
62) 1,2,3-Trichloropropane	0.00		0		N.D. d	
63) 2-Chlorotoluene	8.77	91	146		N.D.	
64) 4-Chlorotoluene	8.96	91	27		N.D.	
65) tert-Butylbenzene	0.00		0		N.D.	
66) 1,2,4-Trimethylbenzene	9.30	105	153		N.D.	
67) sec-Butylbenzene	9.30	105	153		N.D.	
68) p-Isopropyltoluene	9.62	119	46		N.D.	
69) 1,3-Dichlorobenzene	9.57	146	27		N.D.	
70) 1,4-Dichlorobenzene	9.65	146	86		N.D.	
71) 1,2-Dichlorobenzene	0.00		0		N.D.	
72) 1,2-Dibromo-3-chloropr...	0.00		0		N.D.	
73) 1,2,4-Trichlorobenzene	0.00		0		N.D.	
74) Hexachlorobutadiene	0.00		0		N.D.	
75) Naphthalene	11.83	128	184	0.097	ppb	69
76) 1,2,3-Trichlorobenzene	0.00		0		N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS13\11-18-22\
Data File : 111814.D
Acq On : 18 Nov 2022 12:28 pm
Operator : LM
Sample : 211213-01 1/0.25
Misc : soil
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS13

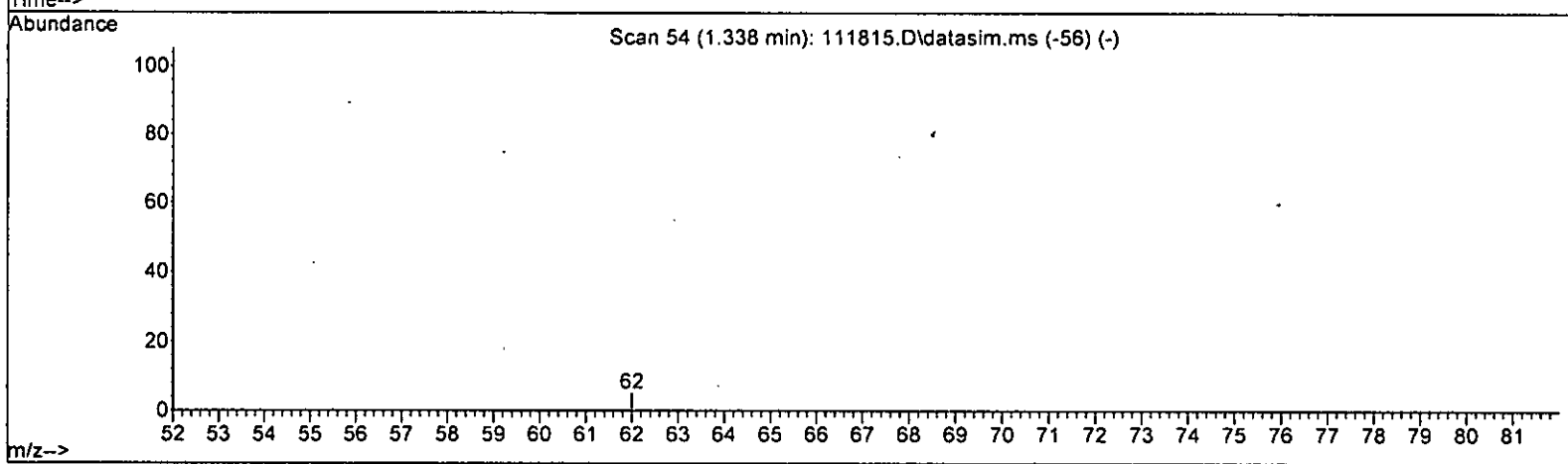
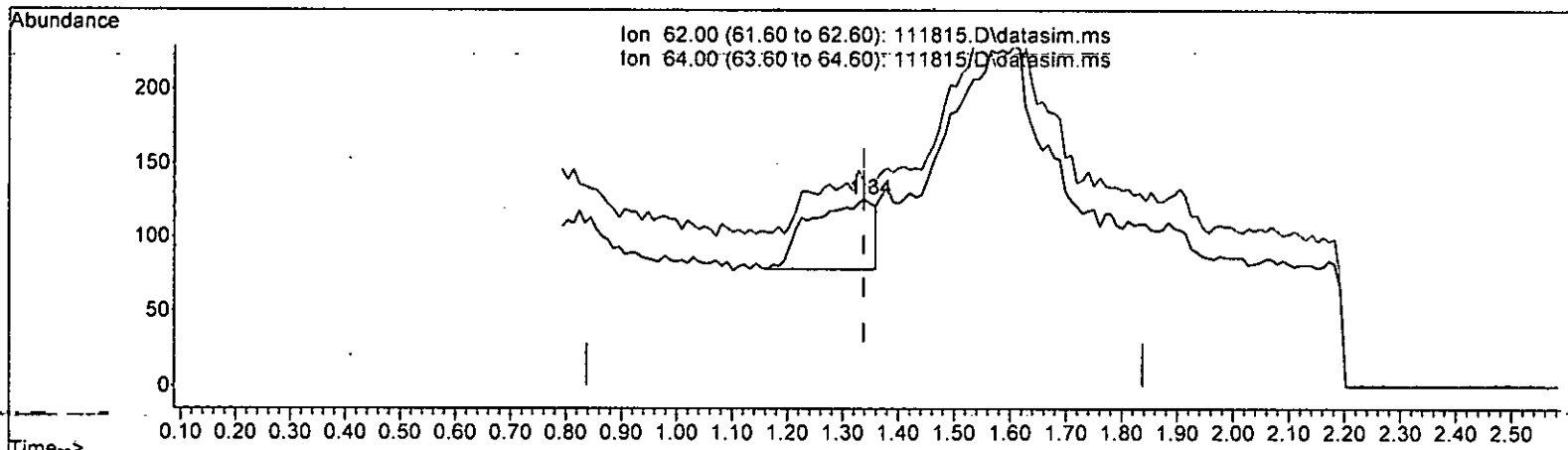
Quant Time: Nov 21 09:44:47 2022
Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
QLast Update : Mon Nov 07 15:16:10 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M



Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111815.D
 Acq On : 18 Nov 2022 12:52 pm
 Operator : LM
 Sample : 211213-02 1/0.25
 Misc : soil
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:44:51 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth: VM080322.M



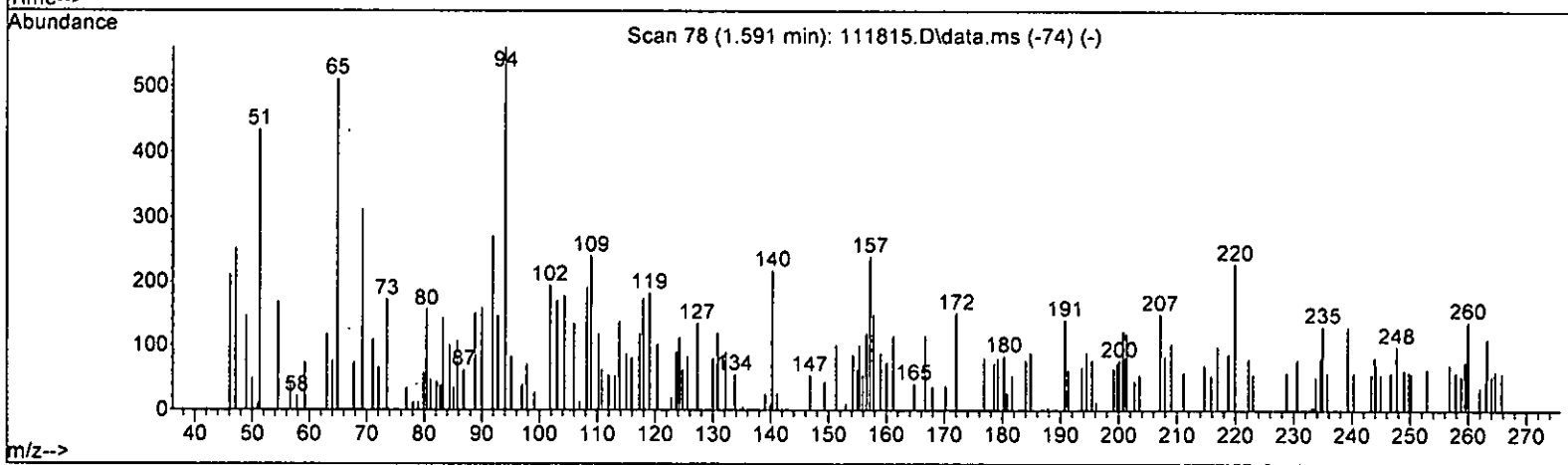
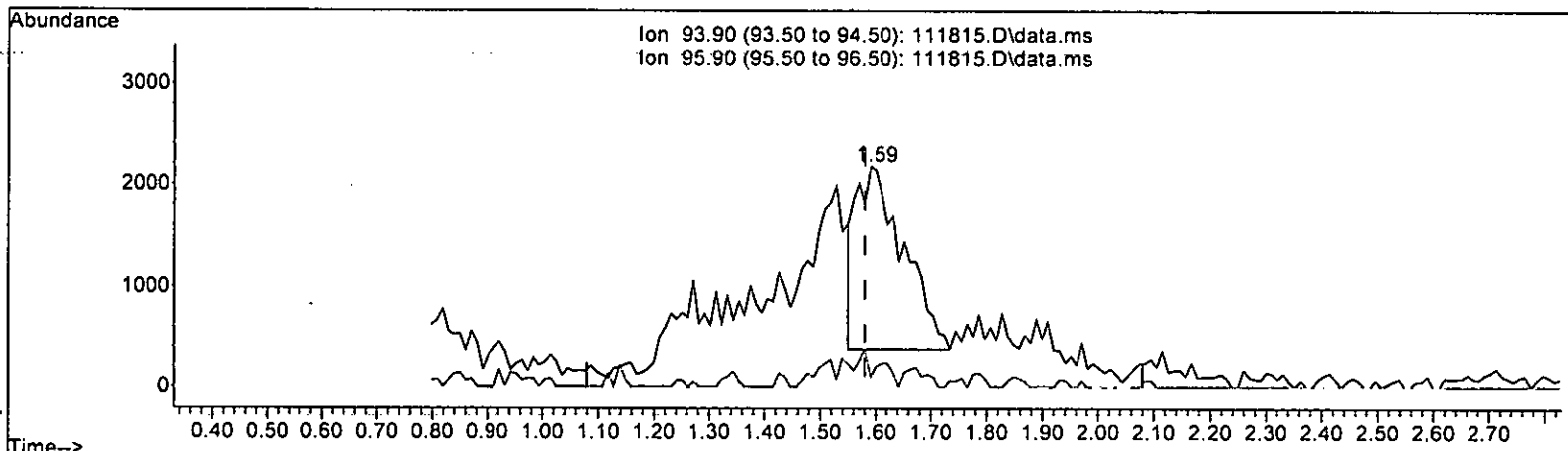
TIC: 111815.D\data.ms

(6) Vinyl chloride (TMP)		
1.338min (+ 0.000) 0.075 ppb		
response	378	
Ion	Exp%	Act%
62.00	100.00	100.00
64.00	34.40	72.92#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111815.D
 Acq On : 18 Nov 2022 12:52 pm
 Operator : LM
 Sample : 211213-02 1/0.25
 Misc : soil
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:44:51 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 111815.D\data.ms

(7) Bromomethane (TMP)

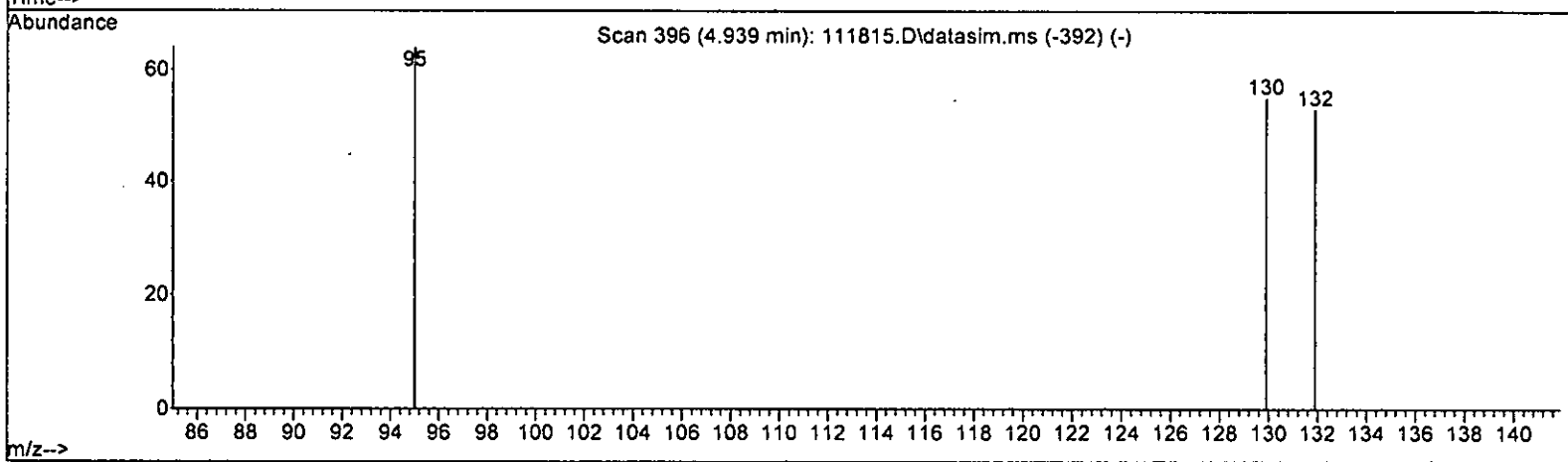
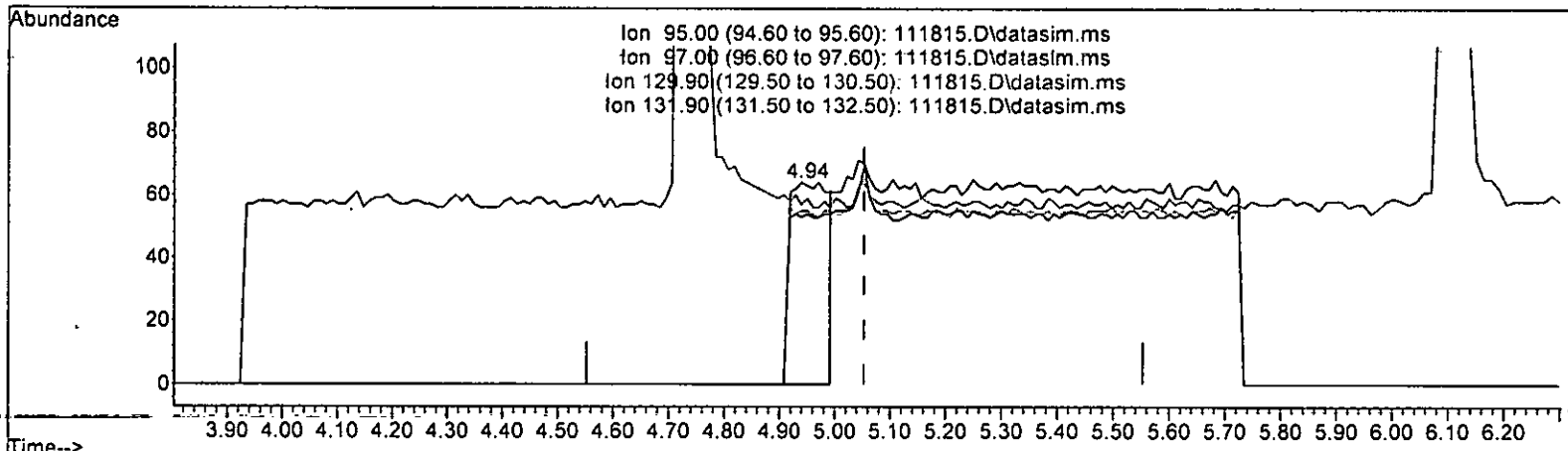
1.591min (+ 0.011) 2.563 ppb

response	10935
Ion	Exp% Act%
93.90	100.00 100.00
95.90	93.50 2.05#
0.00	0.00 0.00
0.00	0.00 0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111815.D
 Acq On : 18 Nov 2022 12:52 pm
 Operator : LM
 Sample : 211213-02 1/0.25
 Misc : soil
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:44:51 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



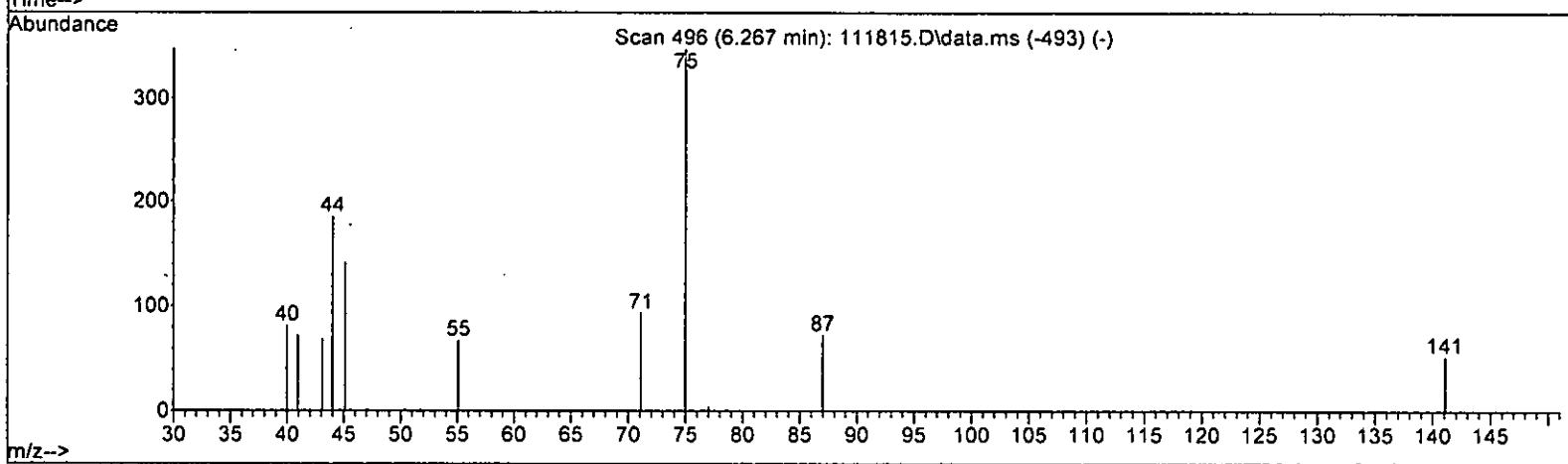
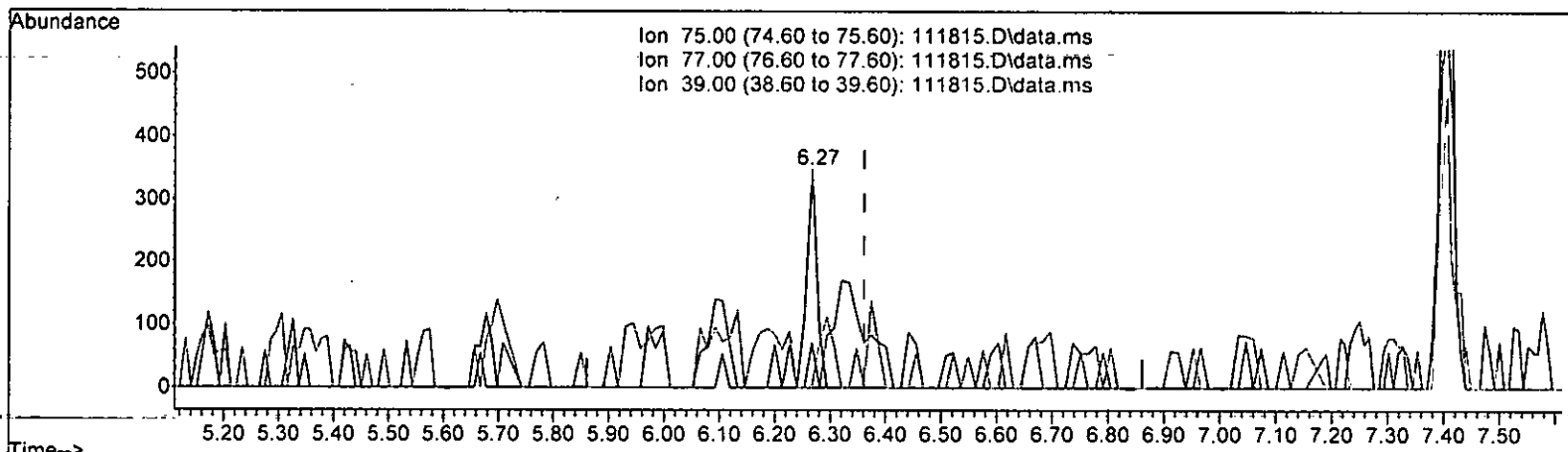
TIC: 111815.D\data.ms

(32) Trichloroethene (TMP)		
4.939min (-0.114) 0.087 ppb		
response	314	
Ion	Exp%	Act%
95.00	100.00	100.00
97.00	64.60	1.56#
129.90	103.40	85.94
131.90	95.80	82.81

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111815.D
 Acq On : 18 Nov 2022 12:52 pm
 Operator : LM
 Sample : 211213-02 1/0.25
 Misc : soil
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:44:51 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth: VM080322.M



TIC: 111815.D\data.ms

(41) trans-1,3-Dichloropropene (TMP)
 6.267min (-0.094) 0.146 ppb
 response 440

Ion	Exp%	Act%
75.00	100.00	100.00
77.00	32.60	1.15#
39.00	46.30	0.00#
0.00	0.00	0.00

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111815.D
 Acq On : 18 Nov 2022 12:52 pm
 Operator : LM
 Sample : 211213-02 1/0.25
 Misc : soil
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS13

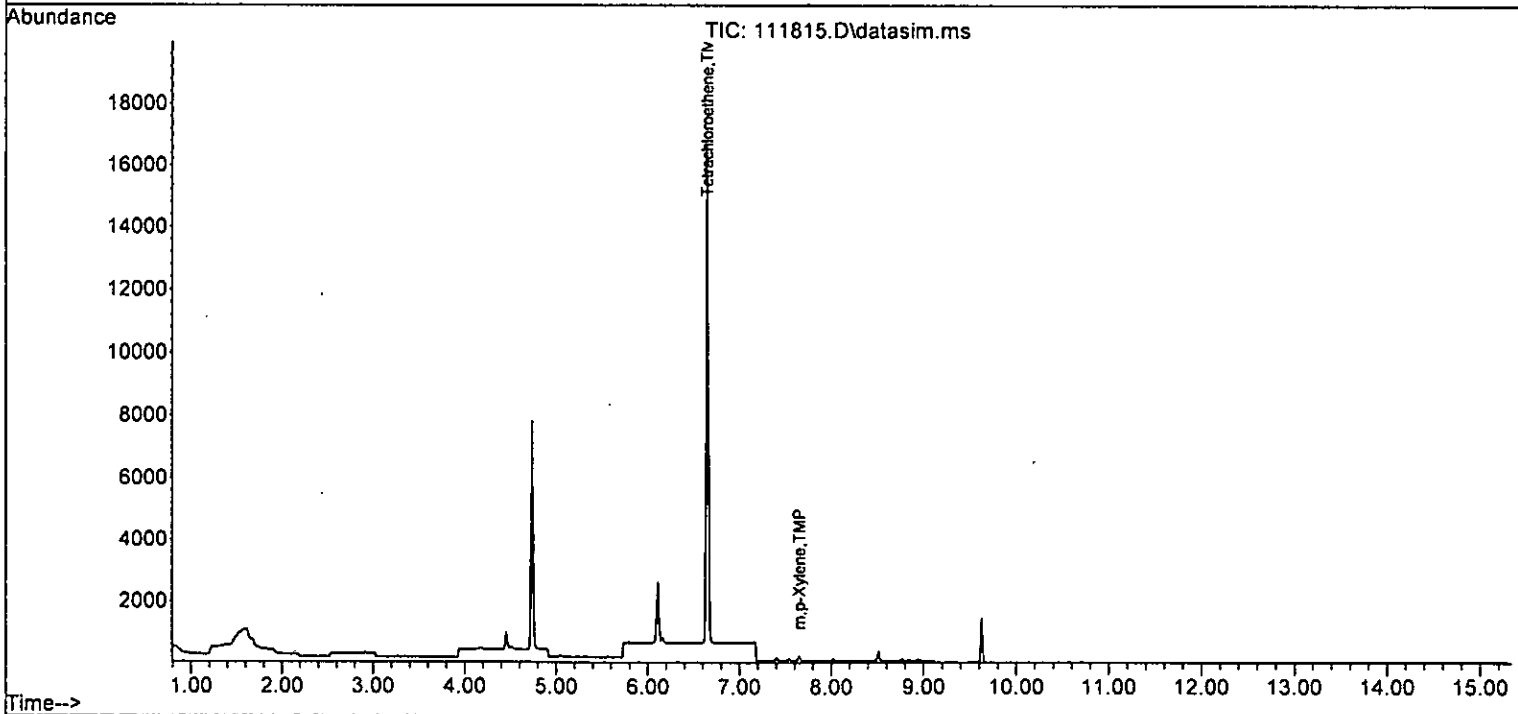
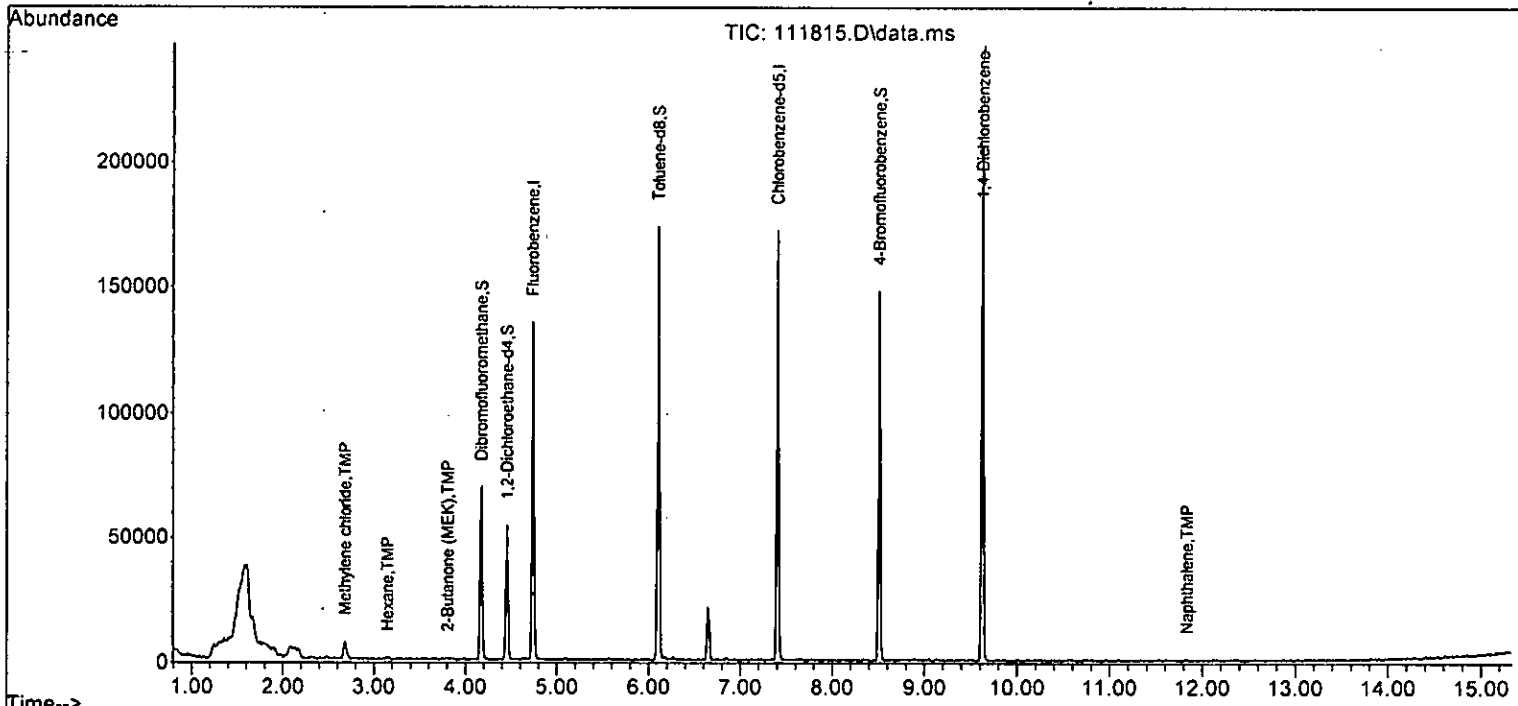
Quant Time: Nov 21 09:44:51 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

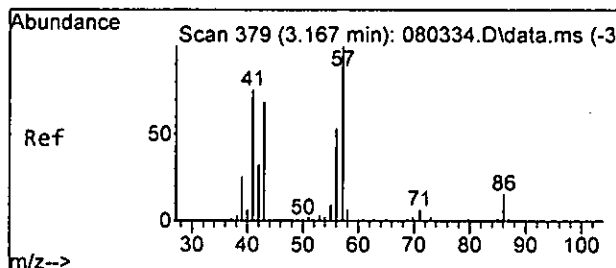
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.73	96	98751	10.000	ppb	-0.01
39) Chlorobenzene-d5	7.41	117	89329	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	52898	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.18	113	32871	10.380	ppb	0.00
Spiked Amount	10.000	Range	50 - 150	Recovery	=	103.80%
30) 1,2-Dichloroethane-d4	4.46	102	6086	9.917	ppb	0.00
Spiked Amount	10.000	Range	84 - 120	Recovery	=	99.20%
35) Toluene-d8	6.11	98	95277	10.116	ppb	0.00
Spiked Amount	10.000	Range	73 - 128	Recovery	=	101.20%
57) 4-Bromofluorobenzene	8.51	95	36202	9.932	ppb	0.00
Spiked Amount	10.000	Range	57 - 146	Recovery	=	99.30%
Target Compounds						
11) Acetone	2.34	58	35	Below Cal	#	1
13) Hexane	3.15	57	324	0.101	ppb	91
14) Methylene chloride	2.68	84	3845	0.246	ppb	93
21) 2,2-Dichloropropane	3.74	77	71	Below Cal		48
24) 2-Butanone (MEK)	3.81	43	855	0.436	ppb	90
26] 1,2-Dichloroethane (EDC)	4.52	62	81	Below Cal		84
40] Toluene	6.16	92	108	Below Cal		89
45] Tetrachloroethene	6.65	164	5555	1.561	ppb	92
51] m,p-Xylene	7.65	106	94	0.017	ppb	# 77
61) 1,1,2,2-Tetrachloroethane	8.51	83	39	Below Cal	#	25
75) Naphthalene	11.83	128	131	0.092	ppb	69

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS13\11-18-22\
Data File : 111815.D
Acq On : 18 Nov 2022 12:52 pm
Operator : LM
Sample : 211213-02 1/0.25
Misc : soil
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS13

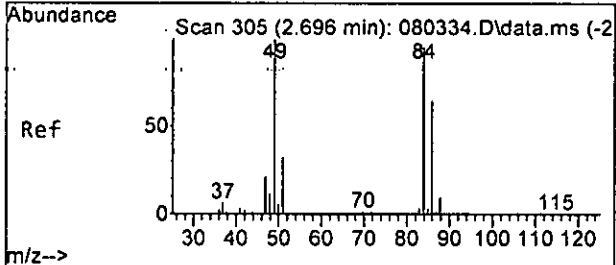
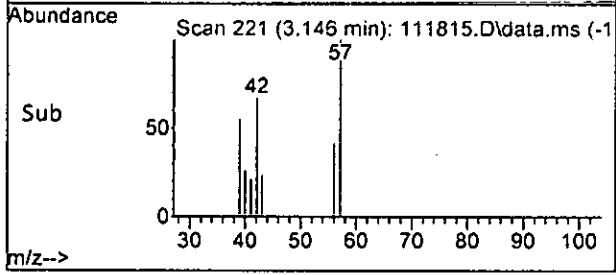
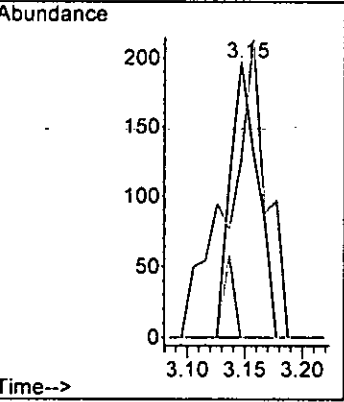
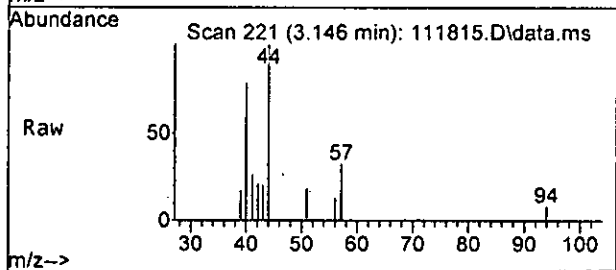
Quant Time: Nov 21 09:44:51 2022
Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
QLast Update : Mon Nov 07 15:16:10 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M





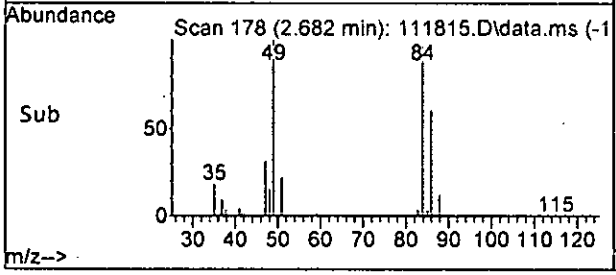
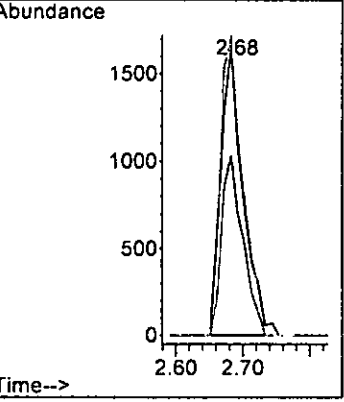
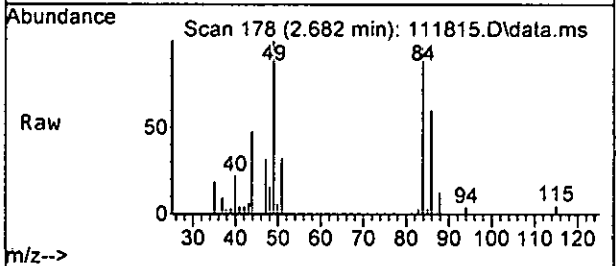
#13
 Hexane
 Concen: 0.101 ppb
 RT: 3.15 min Scan# 221
 Delta R.T. -0.011 min
 Lab File: 111815.D
 Acq: 18 Nov 2022 12:52 pm

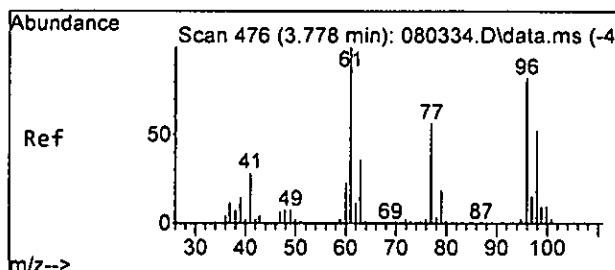
Tgt Ion:	Resp:	Lower	Upper
57	100		
43	63.5	35.4	95.4
86	0.0	0.0	44.8



#14
 Methylene chloride
 Concen: 0.246 ppb
 RT: 2.68 min Scan# 178
 Delta R.T. 0.000 min
 Lab File: 111815.D
 Acq: 18 Nov 2022 12:52 pm

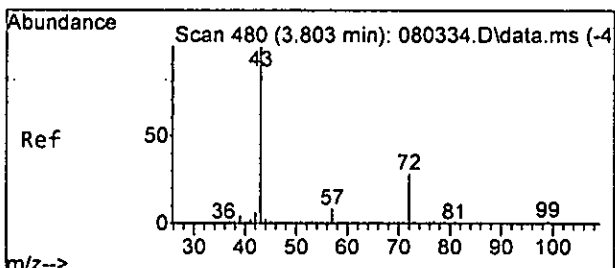
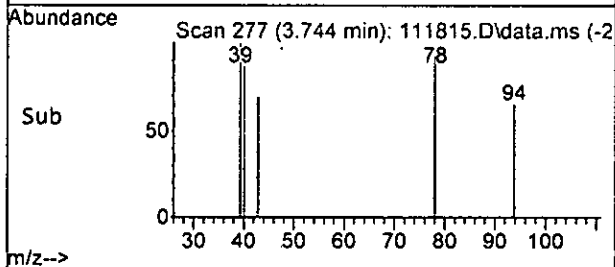
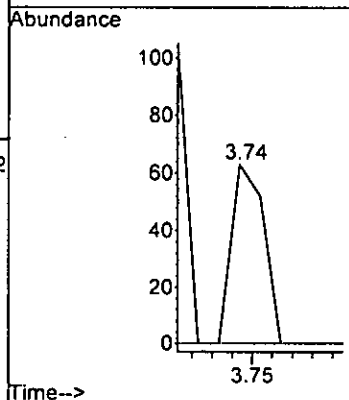
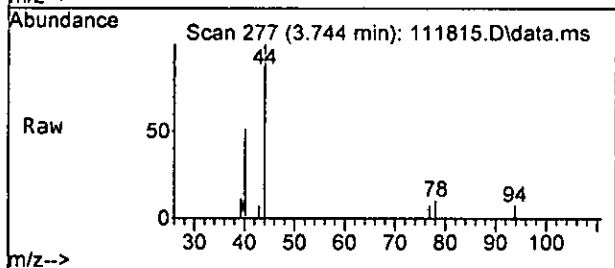
Tgt Ion:	Resp:	Lower	Upper
84	100		
86	62.2	37.1	97.1
49	103.5	81.3	141.3





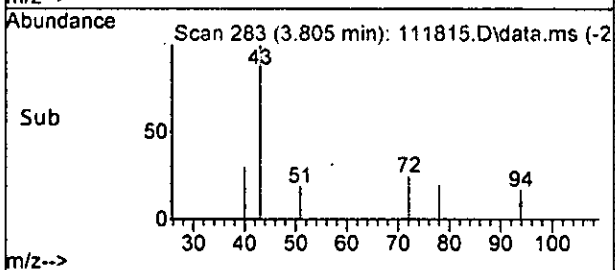
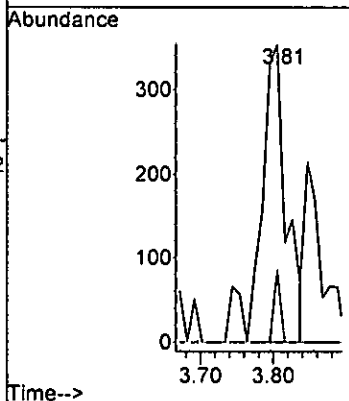
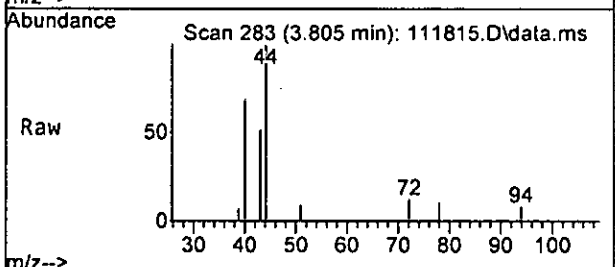
#21
 2,2-Dichloropropane
 Concen: Below Cal
 RT: 3.74 min Scan# 277
 Delta R.T. -0.031 min
 Lab File: 111815.D
 Acq: 18 Nov 2022 12:52 pm

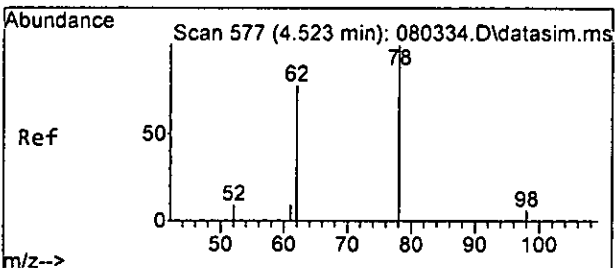
Tgt Ion: 77 Resp: 71
 Ion Ratio Lower Upper
 77 100
 97 0.0 0.0 56.8



#24
 2-Butanone (MEK)
 Concen: 0.436 ppb
 RT: 3.81 min Scan# 283
 Delta R.T. 0.010 min
 Lab File: 111815.D
 Acq: 18 Nov 2022 12:52 pm

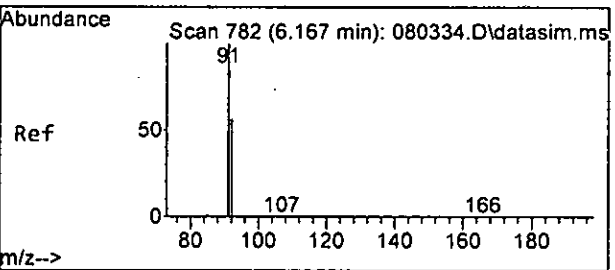
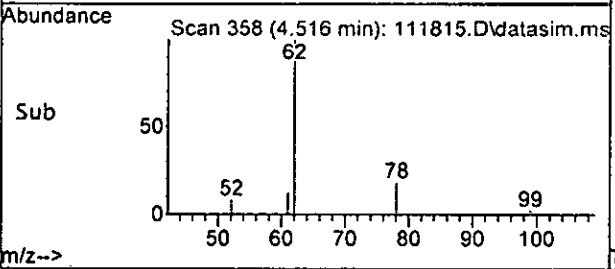
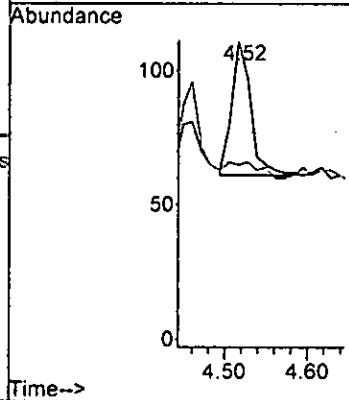
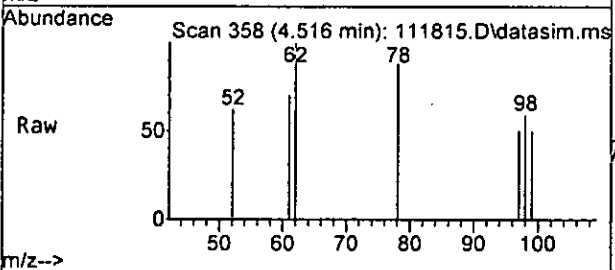
Tgt Ion: 43 Resp: 855
 Ion Ratio Lower Upper
 43 100
 72 24.1 0.0 57.0
 57 0.0 0.0 28.0





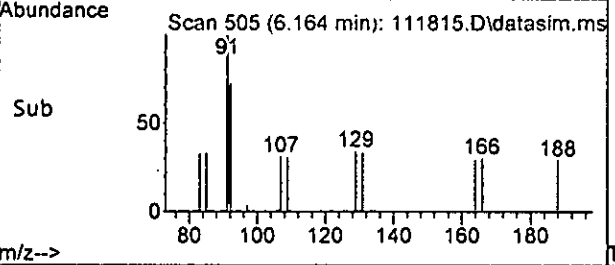
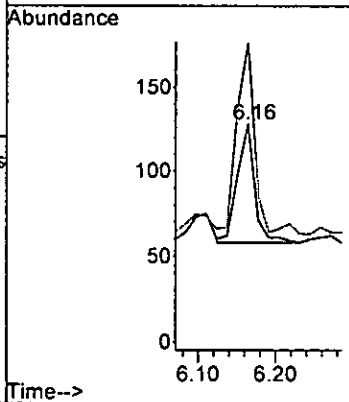
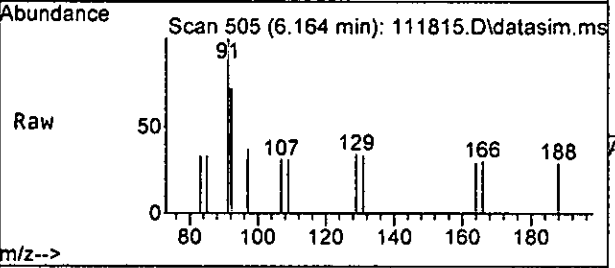
#26
 1,2-Dichloroethane (EDC)
 Concen: Below Cal
 RT: 4.52 min Scan# 358
 Delta R.T. -0.011 min
 Lab File: 111815.D
 Acq: 18 Nov 2022 12:52 pm

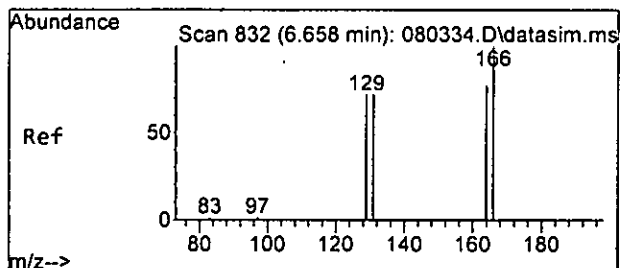
Tgt Ion: 62 Resp: 81
 Ion Ratio Lower Upper
 62 100
 98 4.0 0.0 40.1



#40
 Toluene
 Concen: Below Cal
 RT: 6.16 min Scan# 505
 Delta R.T. 0.000 min
 Lab File: 111815.D
 Acq: 18 Nov 2022 12:52 pm

Tgt Ion: 92 Resp: 108
 Ion Ratio Lower Upper
 92 100
 91 162.9 148.5 208.5

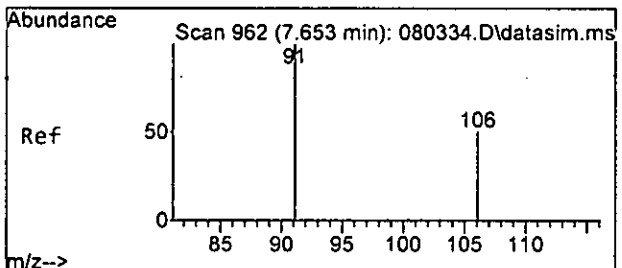
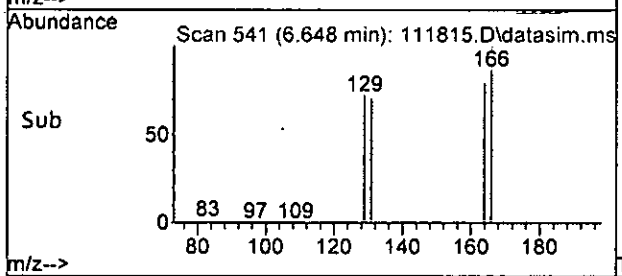
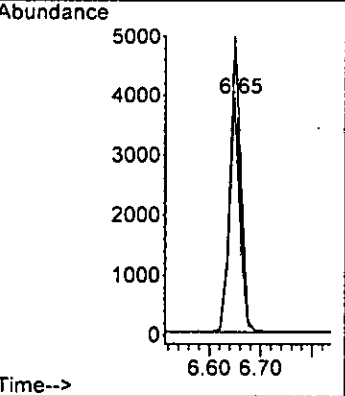
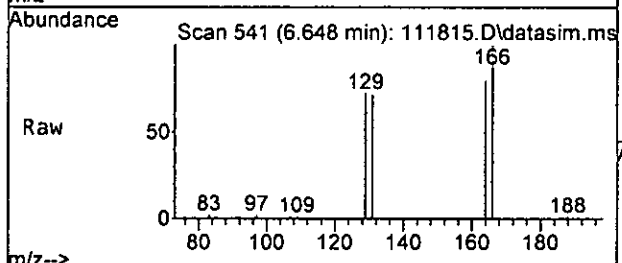




#45
 Tetrachloroethene
 Concen: 1.561 ppb
 RT: 6.65 min Scan# 541
 Delta R.T. 0.000 min
 Lab File: 111815.D
 Acq: 18 Nov 2022 12:52 pm

Tgt Ion:164 Resp: 5555

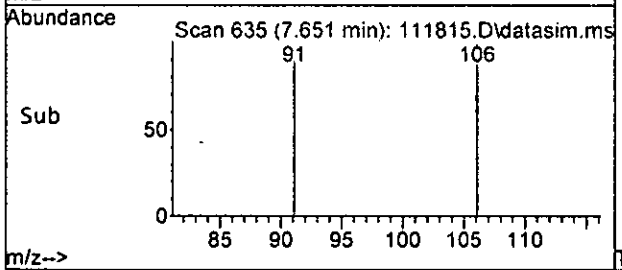
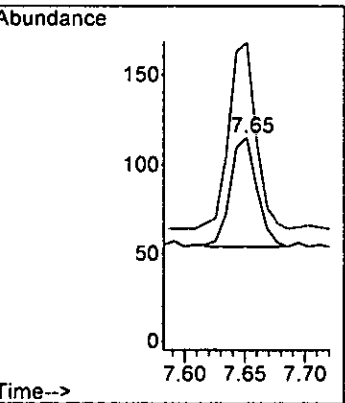
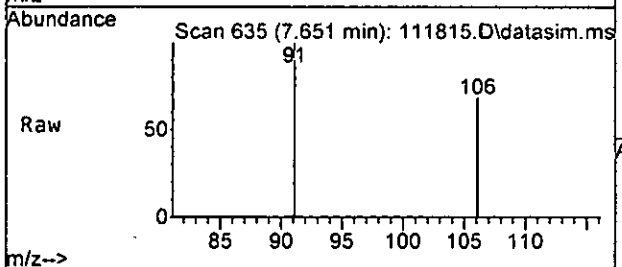
Ion Ratio	Lower	Upper
164	100	
129	91.0	132.1
131	89.1	124.8
166	127.0	90.0 150.0

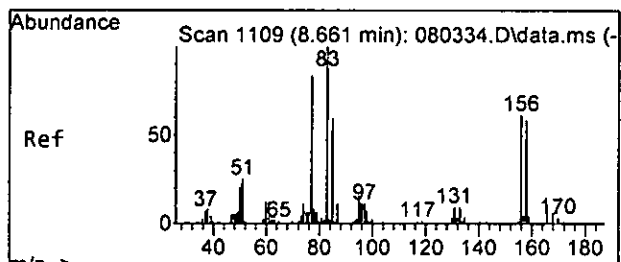


#51
 m,p-Xylene
 Concen: 0.017 ppb
 RT: 7.65 min Scan# 635
 Delta R.T. 0.000 min
 Lab File: 111815.D
 Acq: 18 Nov 2022 12:52 pm

Tgt Ion:106 Resp: 94

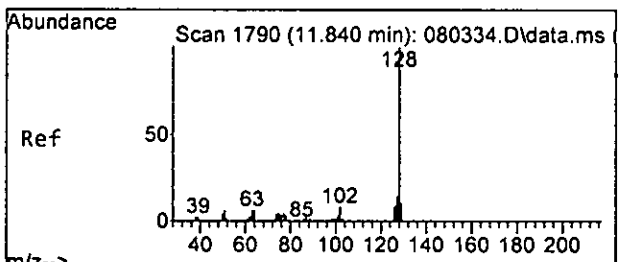
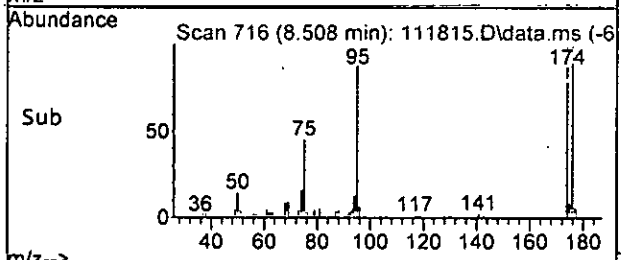
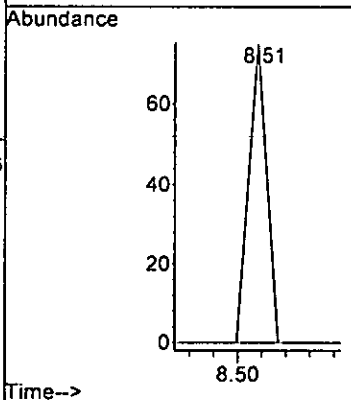
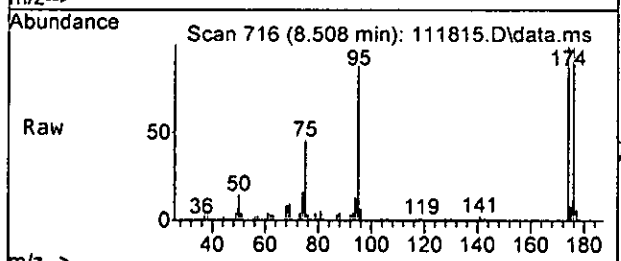
Ion Ratio	Lower	Upper
106	100	
91	170.5	175.7 235.7#





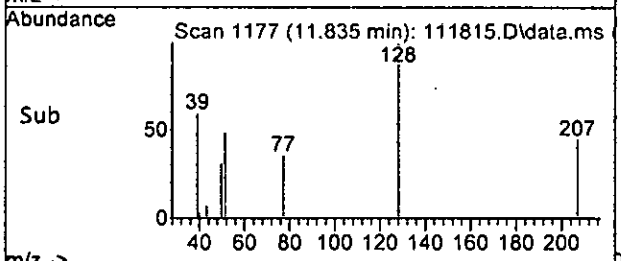
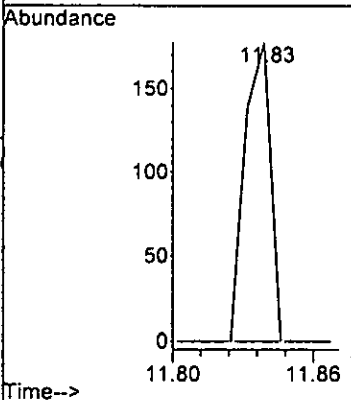
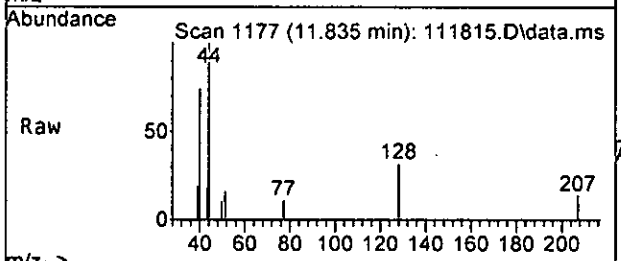
#61
 1,1,2,2-Tetrachloroethane
 Concen: Below Cal
 RT: 8.51 min Scan# 716
 Delta R.T. -0.147 min
 Lab File: 111815.D
 Acq: 18 Nov 2022 12:52 pm

Tgt Ion:	83	Resp:	39
Ion Ratio	Lower	Upper	
83	100		
131	0.0	0.0	40.8
85	0.0	36.2	96.2#



#75
 Naphthalene
 Concen: 0.092 ppb
 RT: 11.83 min Scan# 1177
 Delta R.T. -0.000 min
 Lab File: 111815.D
 Acq: 18 Nov 2022 12:52 pm

Tgt Ion:	128	Resp:	131
Ion Ratio	Lower	Upper	
128	100		
129	0.0	0.0	40.8
127	0.0	0.0	43.1



Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111815.D
 Acq On : 18 Nov 2022 12:52 pm
 Operator : LM
 Sample : 211213-02 1/0.25
 Misc : soil
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:44:51 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) Fluorobenzene	4.73	96	98751	10.000	ppb	-0.01	
39) Chlorobenzene-d5	7.41	117	89329	10.000	ppb	0.00	
56) 1,4-Dichlorobenzene-d4	9.62	152	52898	10.000	ppb	0.00	
System Monitoring Compounds							
3) Dibromofluoromethane	4.18	113	32871	10.380	ppb	0.00	
Spiked Amount	10.000		Range 50 - 150	Recovery =	103.80%		
30) 1,2-Dichloroethane-d4	4.46	102	6086	9.917	ppb	0.00	
Spiked Amount	10.000		Range 84 - 120	Recovery =	99.20%		
35) Toluene-d8	6.11	98	95277	10.116	ppb	0.00	
Spiked Amount	10.000		Range 73 - 128	Recovery =	101.20%		
57) 4-Bromofluorobenzene	8.51	95	36202	9.932	ppb	0.00	
Spiked Amount	10.000		Range 57 - 146	Recovery =	99.30%		
Target Compounds							
2) Ethanol	2.31	45	119	No Calib			Qvalue
4) Dichlorodifluoromethane	0.00		0	N.D.			
5) Chloromethane	1.28	50	178	N.D.			
6) Vinyl chloride	0.00		0	N.D. d			
7) Bromomethane	0.00		0	N.D. d			
8) Chloroethane	0.00		0	N.D.			
9) Trichlorofluoromethane	1.80	101	133	N.D.			
10) 2-Propanol	2.31	45	119	No Calib #			
11) Acetone	2.34	58	35	Below Cal #		1	
12) 1,1-Dichloroethene	0.00		0	N.D.			
13) Hexane	3.15	57	324	0.101	ppb	91	
14) Methylene chloride	2.68	84	3845	0.246	ppb	93	
15) t-Butyl alcohol (TBA)	0.00		0	N.D.			
16) Methyl t-butyl ether (...)	0.00		0	N.D.			
17) trans-1,2-Dichloroethene	0.00		0	N.D.			
18) Diisopropyl ether (DIPE)	0.00		0	N.D.			
19) 1,1-Dichloroethane	0.00		0	N.D.			
20) Ethyl t-butyl ether (E...)	0.00		0	N.D.			
21) 2,2-Dichloropropane	3.74	77	71	Below Cal		48	
22) cis-1,2-Dichloroethene	0.00		0	N.D.			
23) Chloroform	0.00		0	N.D.			
24) 2-Butanone (MEK)	3.81	43	855	0.436	ppb	90	
25) t-Amyl methyl ether (T...)	0.00		0	N.D.			
26] 1,2-Dichloroethane (EDC)	4.52	62	81	Below Cal		84	
27) 1,1,1-Trichloroethane	0.00		0	N.D.			
28) 1,1-Dichloropropene	0.00		0	N.D.			
29) Carbon tetrachloride	0.00		0	N.D.			
31) Benzene	4.50	78	70	N.D.			
32) Trichloroethene	0.00		0	N.D. d			
33) 1,2-Dichloropropane	0.00		0	N.D.			
34) Bromodichloromethane	0.00		0	N.D.			
36) Dibromomethane	0.00		0	N.D.			

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111815.D
 Acq On : 18 Nov 2022 12:52 pm
 Operator : LM
 Sample : 211213-02 1/0.25
 Misc : soil
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS13

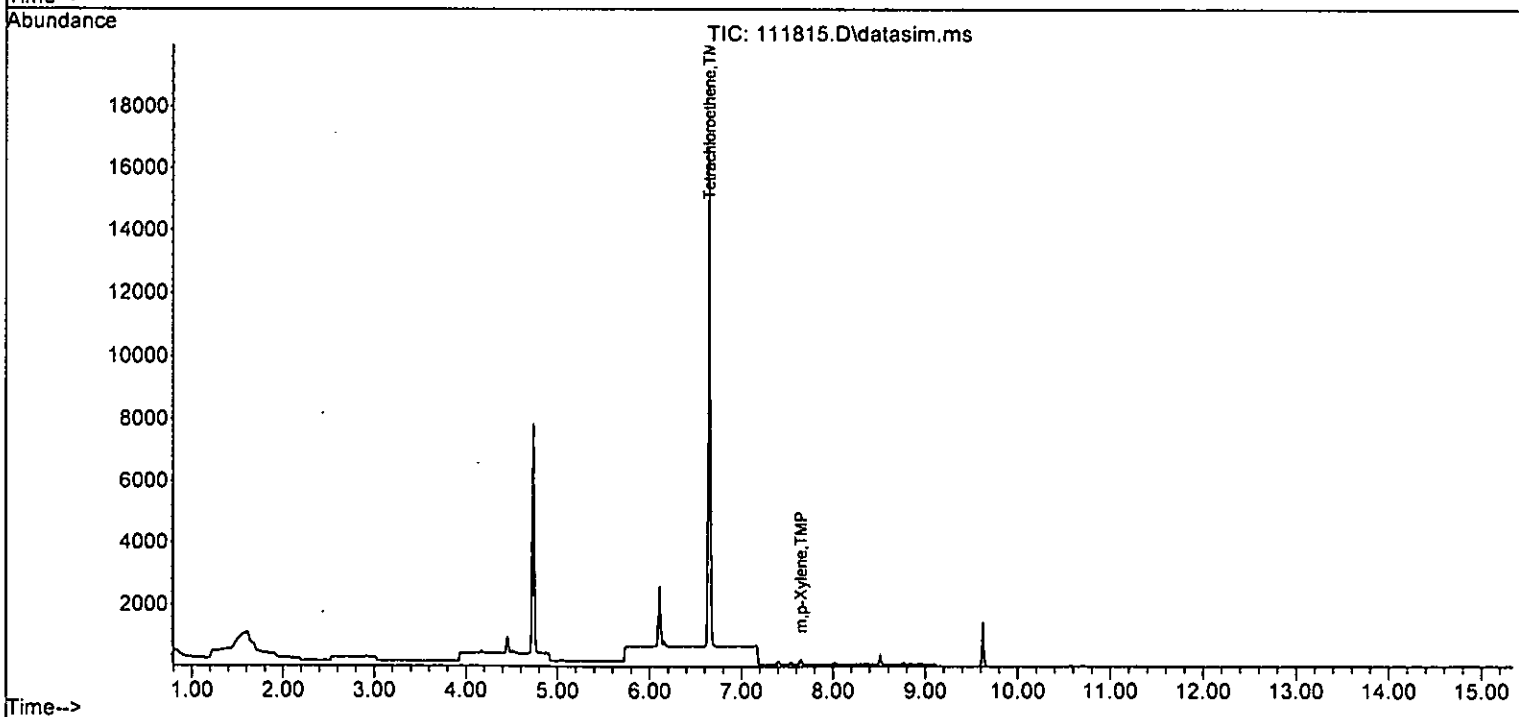
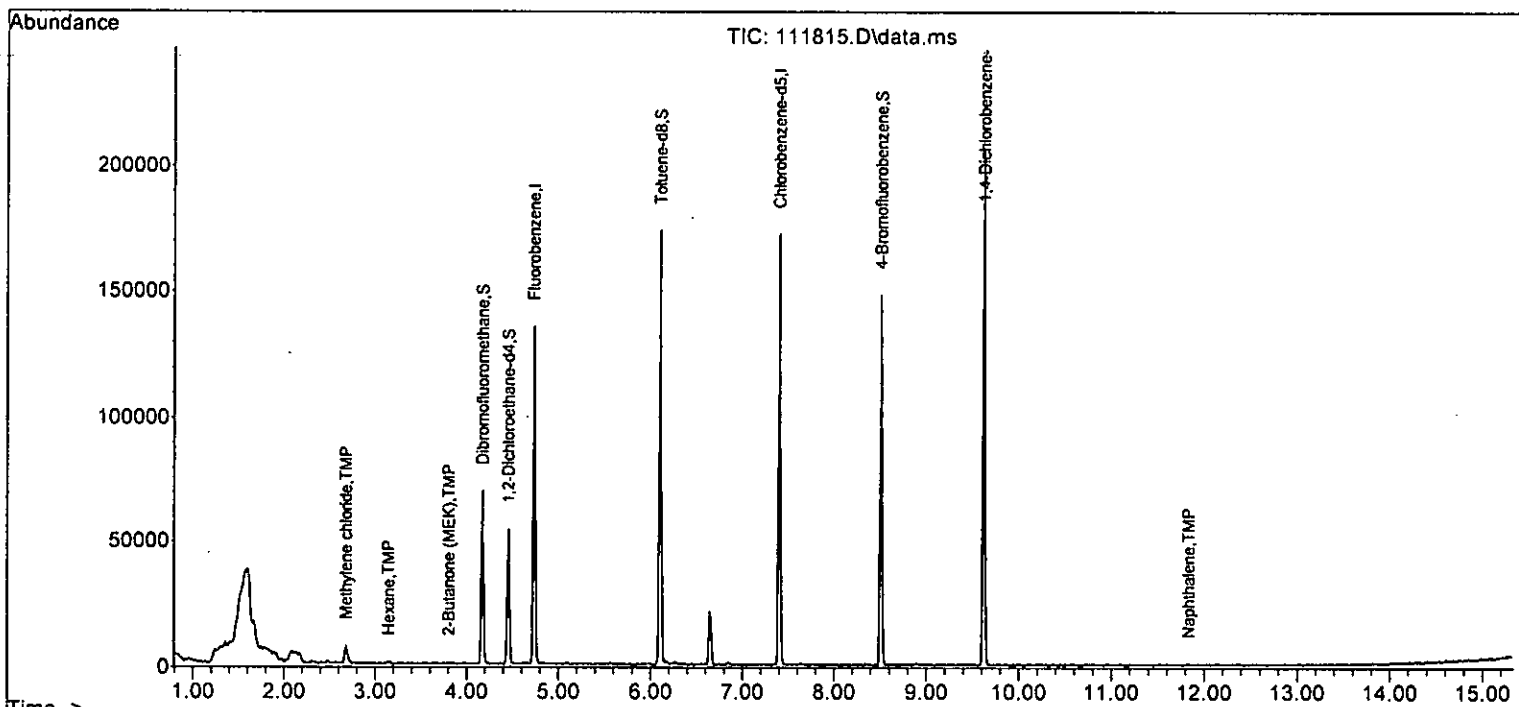
Quant Time: Nov 21 09:44:51 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.00		0		N.D.	
38) cis-1,3-Dichloropropene	0.00		0		N.D.	
40] Toluene	6.16	92	108		Below Cal	89
41) trans-1,3-Dichloropropene	0.00		0		N.D. d	
42) 1,1,2-Trichloroethane	0.00		0		N.D. d	
43) 2-Hexanone	6.78	43	104		N.D.	
44) 1,3-Dichloropropane	0.00		0		N.D.	
45] Tetrachloroethene	6.65	164	5555	1.561	ppb	92
46) Dibromochloromethane	0.00		0		N.D.	
47) 1,2-Dibromoethane (EDB)	0.00		0		N.D.	
48) Chlorobenzene	0.00		0		N.D.	
49) Ethylbenzene	7.54	91	84		N.D.	
50) 1,1,1,2-Tetrachloroethane	0.00		0		N.D.	
51] m,p-Xylene	7.65	106	94	0.017	ppb #	77
52) o-Xylene	8.02	106	34		N.D.	
53) Styrene	0.00		0		N.D.	
54) Isopropylbenzene	8.37	105	63		N.D.	
55) Bromoform	0.00		0		N.D.	
58) n-Propylbenzene	8.77	91	29		N.D.	
59) Bromobenzene	0.00		0		N.D.	
60) 1,3,5-Trimethylbenzene	0.00		0		N.D.	
61) 1,1,2,2-Tetrachloroethane	8.51	83	39		Below Cal #	25
62) 1,2,3-Trichloropropane	8.88	75	71		N.D.	
63) 2-Chlorotoluene	8.77	91	29		N.D.	
64) 4-Chlorotoluene	8.77	91	29		N.D.	
65) tert-Butylbenzene	0.00		0		N.D.	
66) 1,2,4-Trimethylbenzene	9.31	105	83		N.D.	
67) sec-Butylbenzene	9.31	105	83		N.D.	
68) p-Isopropyltoluene	9.60	119	112		N.D.	
69) 1,3-Dichlorobenzene	0.00		0		N.D.	
70) 1,4-Dichlorobenzene	0.00		0		N.D.	
71) 1,2-Dichlorobenzene	0.00		0		N.D.	
72) 1,2-Dibromo-3-chloropr...	0.00		0		N.D.	
73) 1,2,4-Trichlorobenzene	0.00		0		N.D.	
74) Hexachlorobutadiene	0.00		0		N.D.	
75) Naphthalene	11.83	128	131	0.092	ppb	69
76) 1,2,3-Trichlorobenzene	0.00		0		N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111815.D
 Acq On : 18 Nov 2022 12:52 pm
 Operator : LM
 Sample : 211213-02 1/0.25
 Misc : soil
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS13

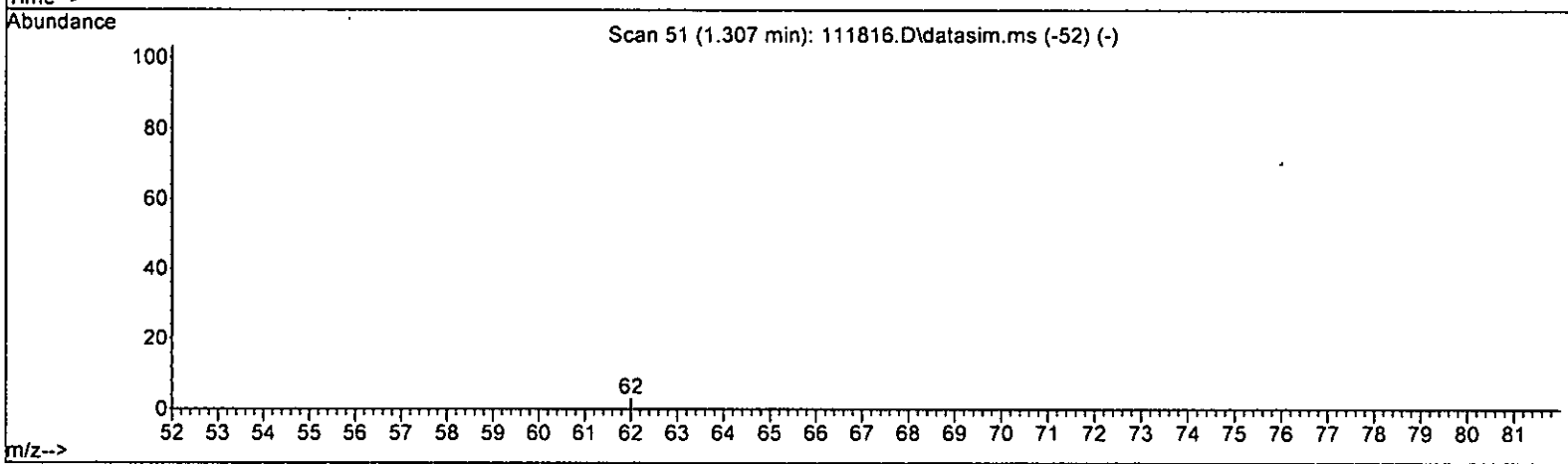
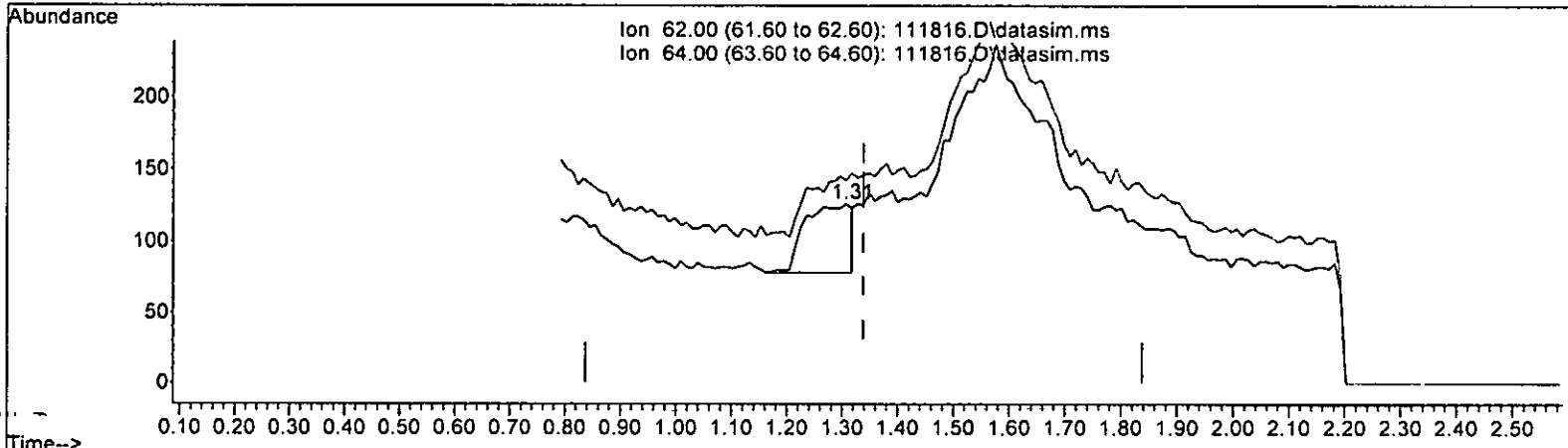
Quant Time: Nov 21 09:44:51 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111816.D
 Acq On : 18 Nov 2022 01:15 pm
 Operator : LM
 Sample : 211213-03 1/0.25
 Misc : soil
 ALS Vial : 11 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:44:55 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



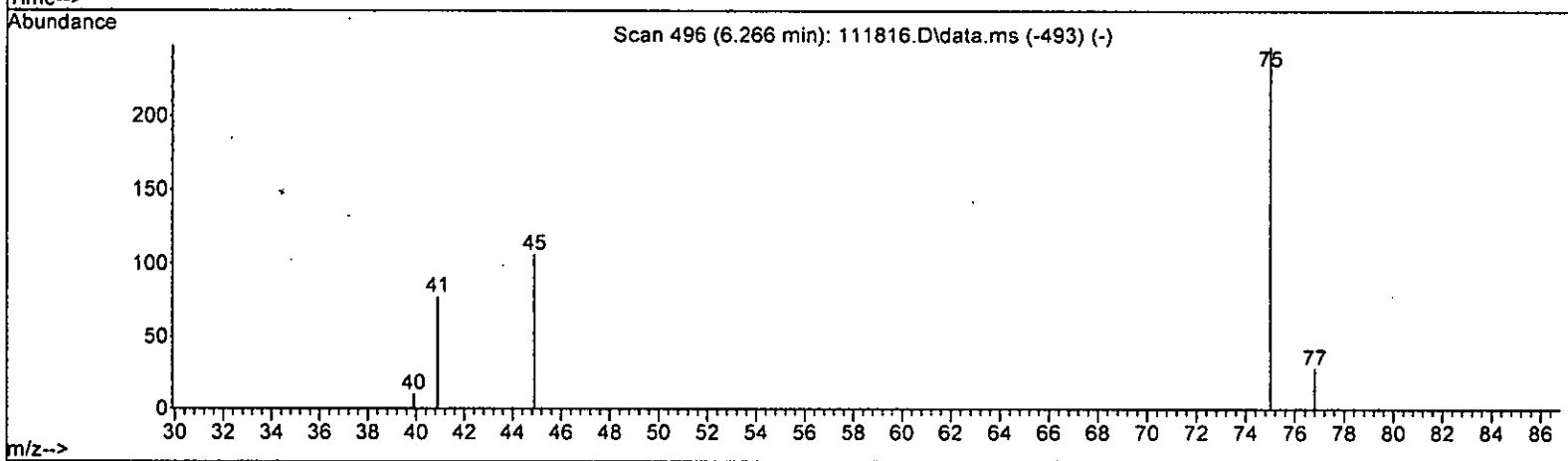
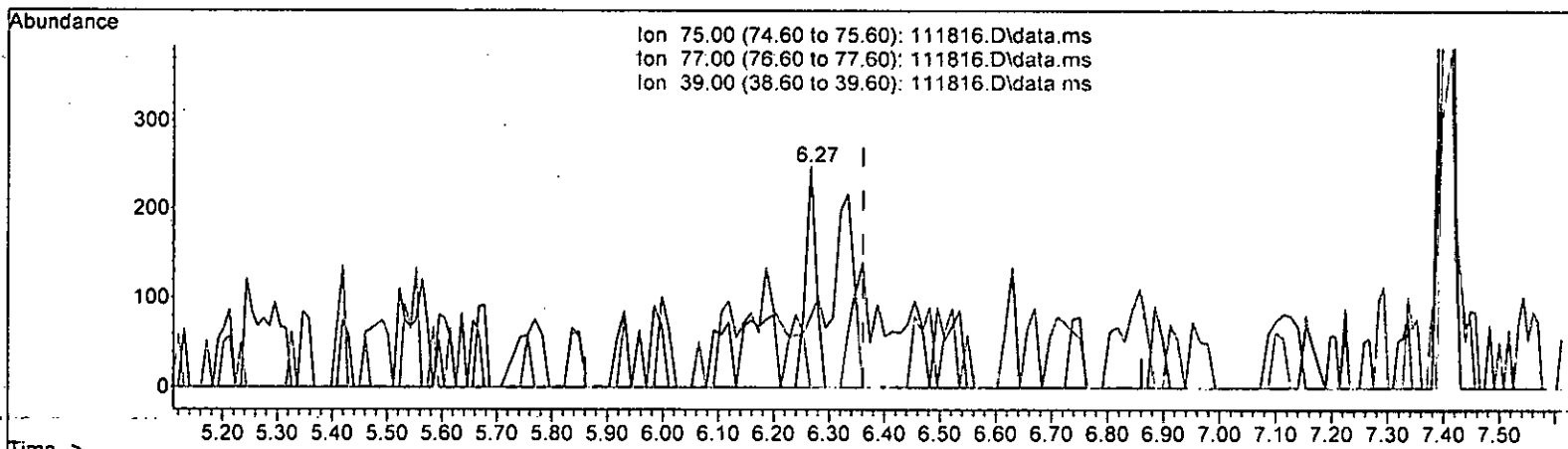
TIC: 111816.D\data.ms

(6) Vinyl chloride (TMP)		
1.307min (-0.031) 0.056 ppb		
response	279	
Ion	Exp%	Act%
62.00	100.00	100.00
64.00	34.40	79.17#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111816.D
 Acq On : 18 Nov 2022 01:15 pm
 Operator : LM
 Sample : 211213-03 1/0.25
 Misc : soil
 ALS Vial : 11 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:44:55 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 111816.D\data.ms

(41) trans-1,3-Dichloropropene (TMP)

6.266min (-0.095) 0.115 ppb

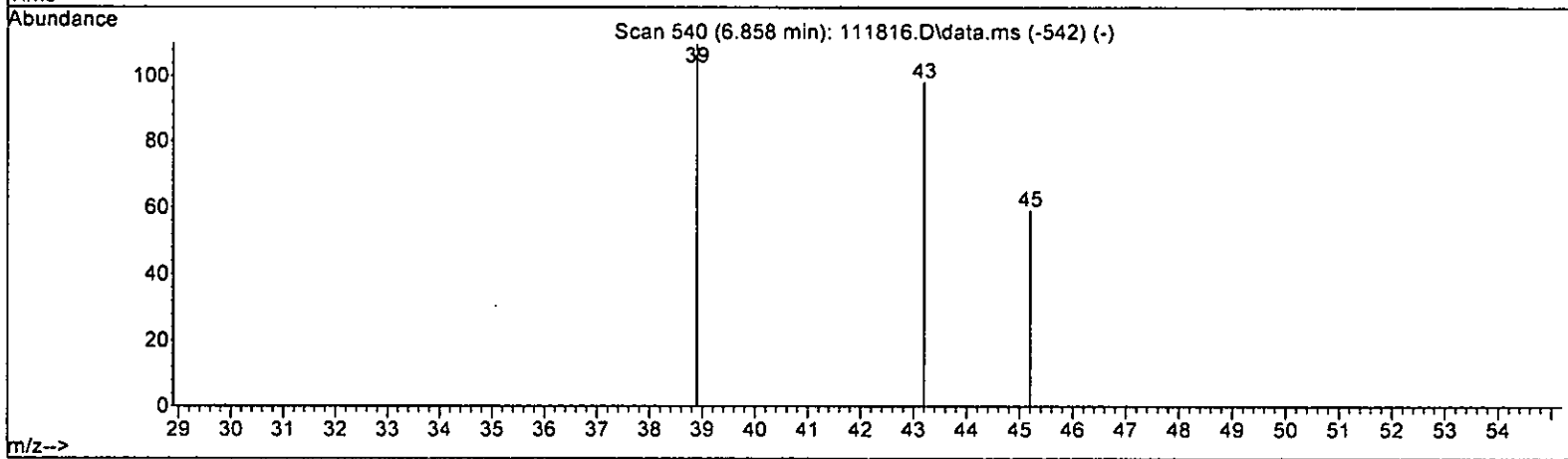
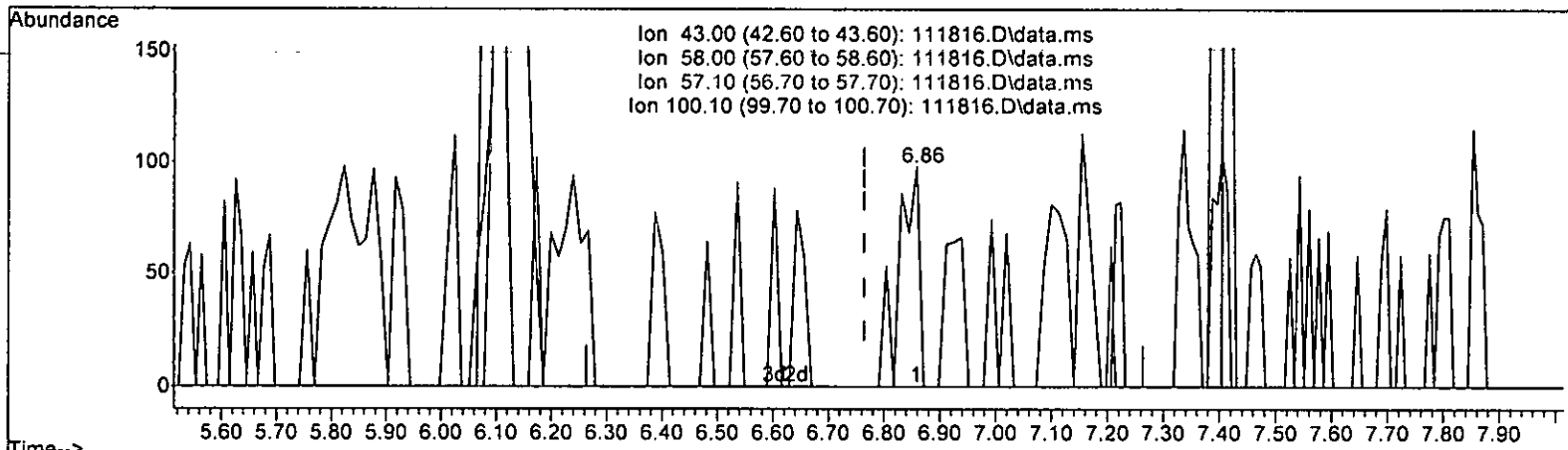
response 335

Ion	Exp%	Act%
75.00	100.00	100.00
77.00	32.60	11.29
39.00	-46.30	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111816.D
 Acq On : 18 Nov 2022 01:15 pm
 Operator : LM
 Sample : 211213-03 1/0.25
 Misc : soil
 ALS Vial : 11 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:44:55 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



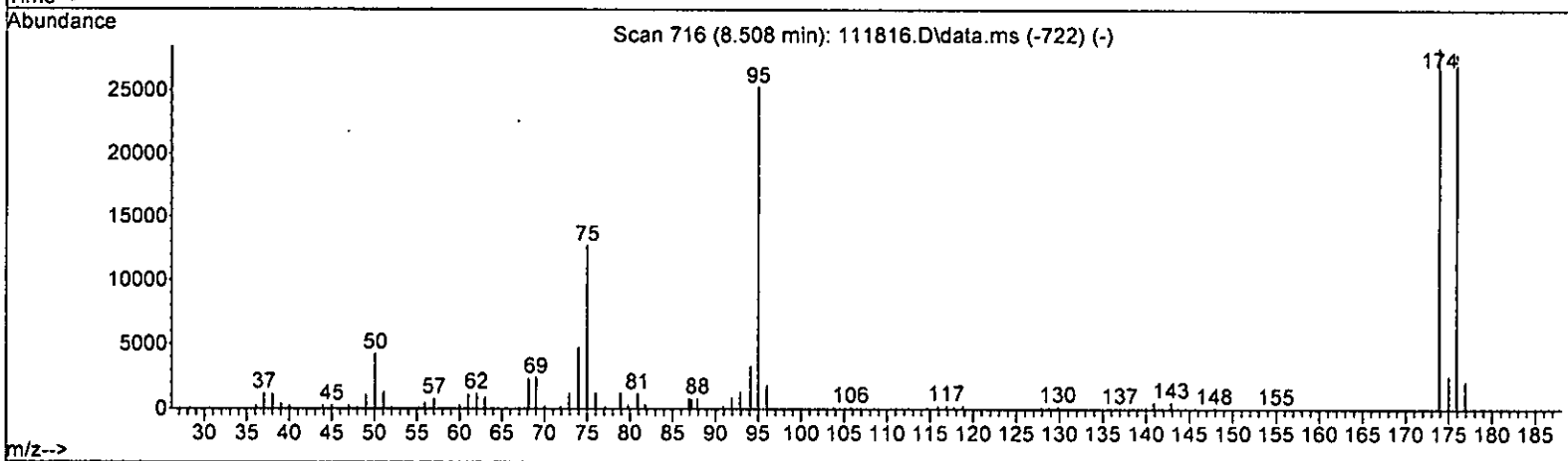
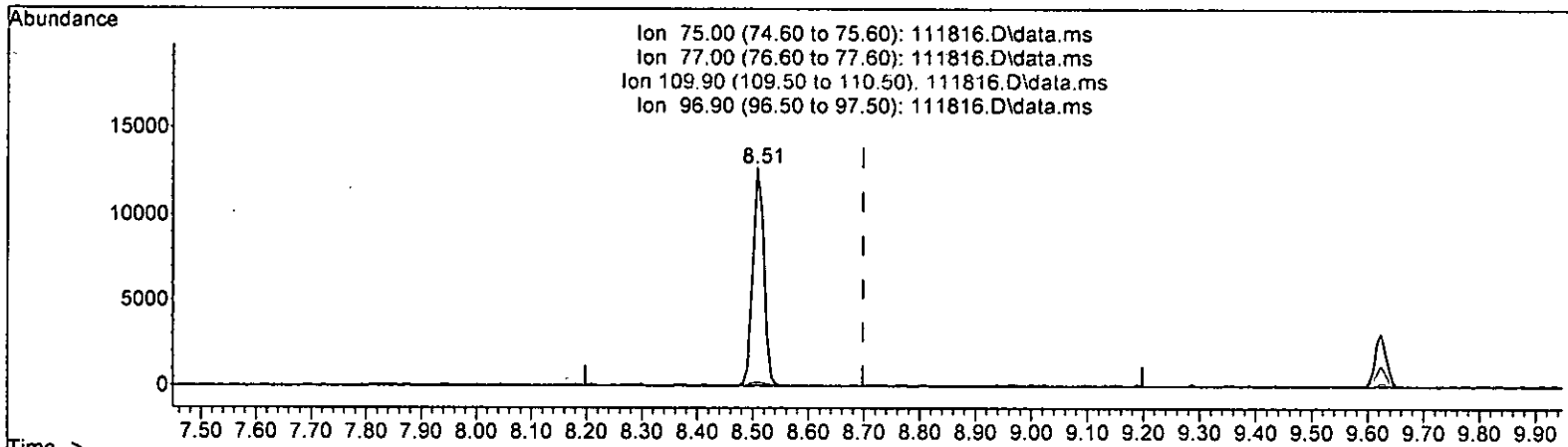
TIC: 111816.D\data.ms

(43) 2-Hexanone (TMP)		
6.858min (+ 0.094) 0.149 ppb		
response	246	
Ion	Exp%	Act%
43.00	100.00	100.00
58.00	51.50	0.00#
57.10	16.30	0.00
100.10	10.20	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111816.D
 Acq On : 18 Nov 2022 01:15 pm
 Operator : LM
 Sample : 211213-03 1/0.25
 Misc : soil
 ALS Vial : 11 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:44:55 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 111816.D\data.ms

(62) 1,2,3-Trichloropropane (TMP)

8.508min (-0.190) 6.717 ppb

response	17499
Ion	Exp% Act%
75.00	100.00 100.00
77.00	34.00 1.55#
109.90	36.50 0.00#
96.90	22.60 0.46

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111816.D
 Acq On : 18 Nov 2022 01:15 pm
 Operator : LM
 Sample : 211213-03 1/0.25
 Misc : soil
 ALS Vial : 11 Sample Multiplier: 1
 InstName : GCMS13

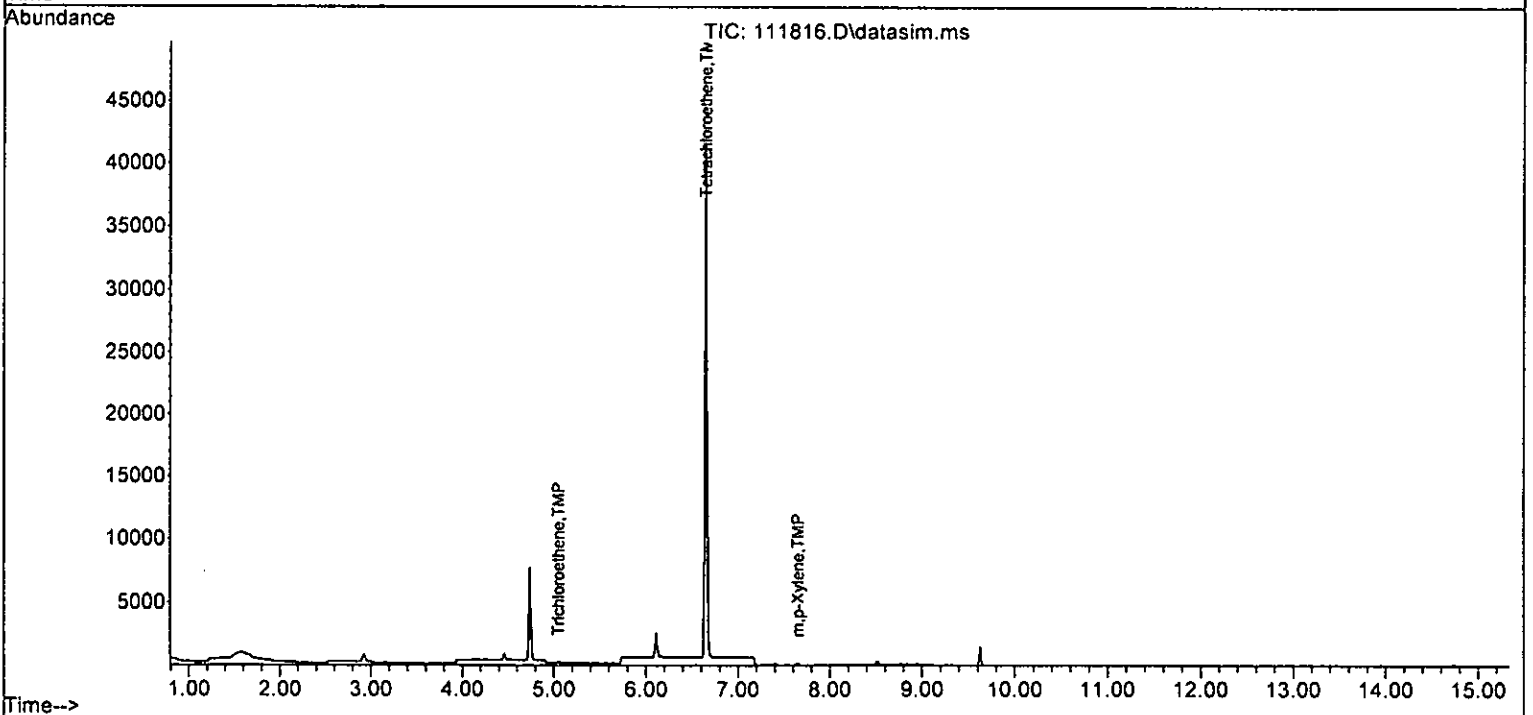
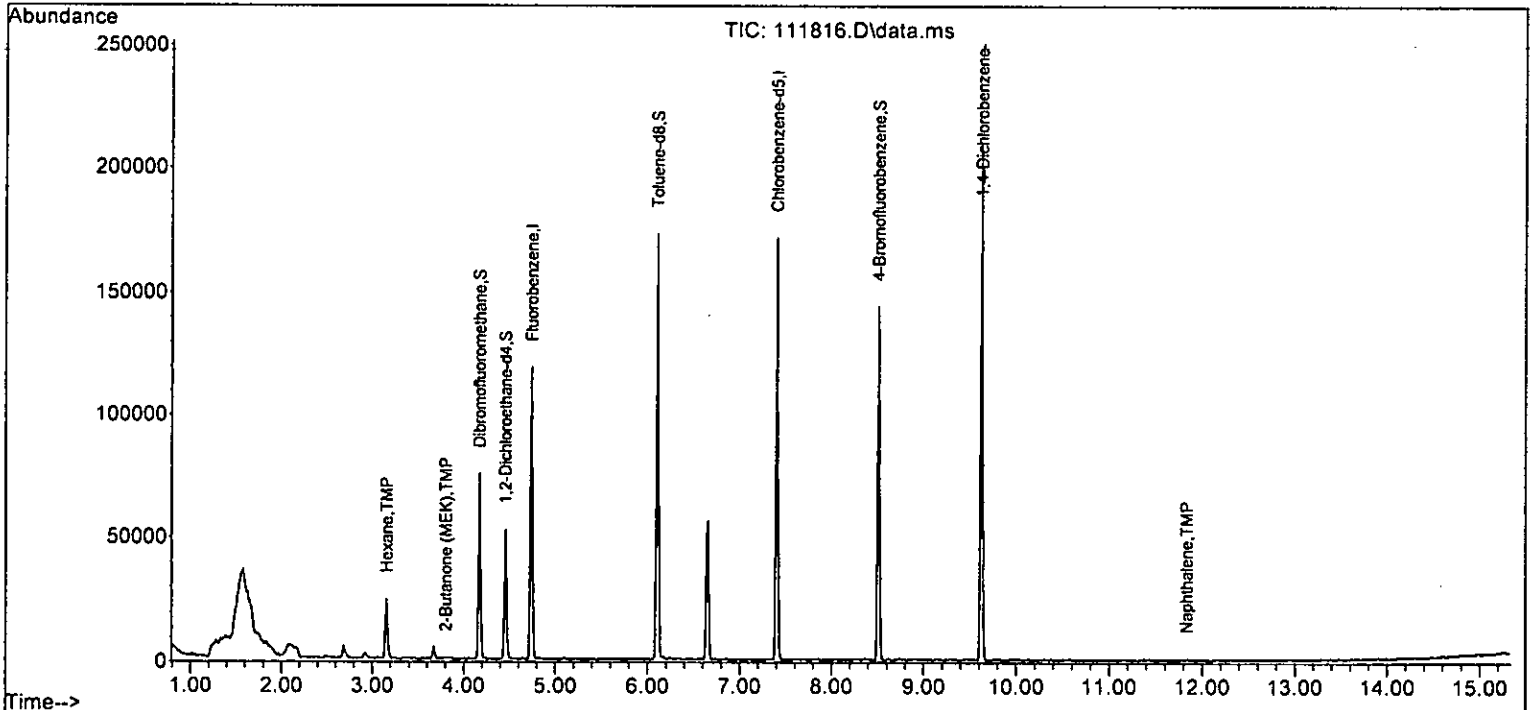
Quant Time: Nov 21 09:44:55 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

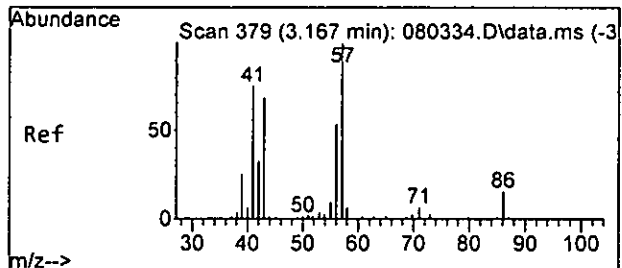
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.75	96	97573	10.000	ppb	0.00
39) Chlorobenzene-d5	7.40	117	86962	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	53581	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.17	113	31918	10.201	ppb	0.00
Spiked Amount	10.000	Range 50 - 150	Recovery	=	102.00%	
30) 1,2-Dichloroethane-d4	4.45	102	6001	9.896	ppb	0.00
Spiked Amount	10.000	Range 84 - 120	Recovery	=	99.00%	
35) Toluene-d8	6.11	98	93129	10.008	ppb	0.00
Spiked Amount	10.000	Range 73 - 128	Recovery	=	100.10%	
57) 4-Bromofluorobenzene	8.51	95	35650	9.656	ppb	0.00
Spiked Amount	10.000	Range 57 - 146	Recovery	=	96.60%	
Target Compounds						
11) Acetone	2.34	58	36	Below Cal	#	1
13) Hexane	3.16	57	8919	2.828	ppb	95
14) Methylene chloride	2.68	84	2513	Below Cal		97
24) 2-Butanone (MEK)	3.81	43	669	0.291	ppb	55
26] 1,2-Dichloroethane (EDC)	4.53	62	68	Below Cal		99
32] Trichloroethene	5.05	95	43	0.012	ppb	91
40] Toluene	6.16	92	80	Below Cal		87
45] Tetrachloroethene	6.65	164	14524	4.225	ppb	95
51] m,p-Xylene	7.65	106	81	0.015	ppb	# 79
75) Naphthalene	11.83	128	140	0.092	ppb	69

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111816.D
 Acq On : 18 Nov 2022 01:15 pm
 Operator : LM
 Sample : 211213-03 1/0.25
 Misc : soil
 ALS Vial : 11 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:44:55 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

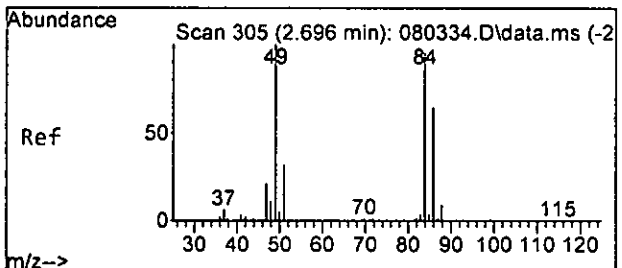
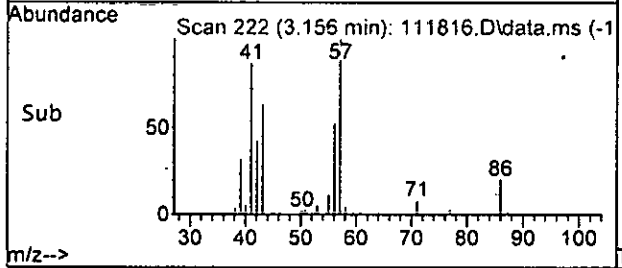
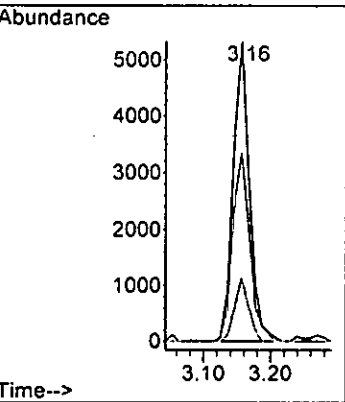
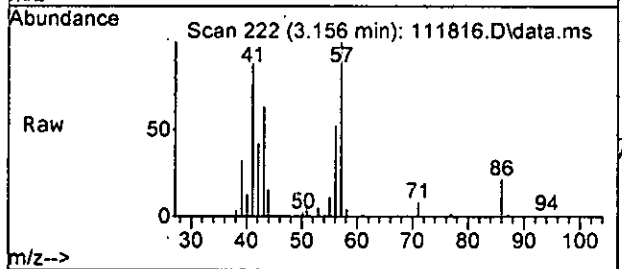




#13
Hexane
Concen: 2.828 ppb
RT: 3.16 min Scan# 222
Delta R.T. -0.001 min
Lab File: 111816.D
Acq: 18 Nov 2022 01:15 pm

Tgt Ion: 57 Resp: 8919

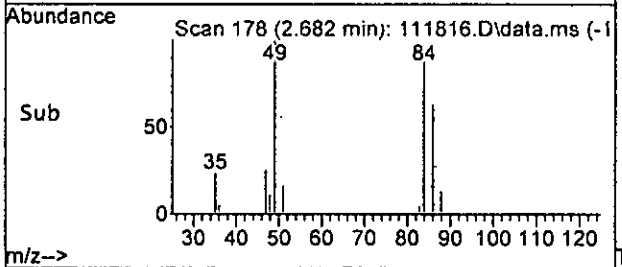
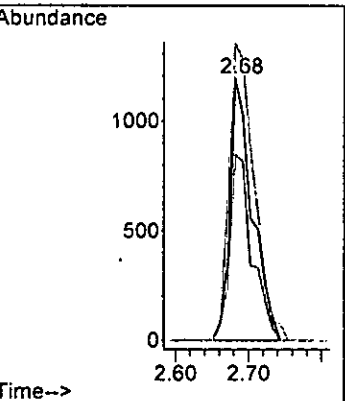
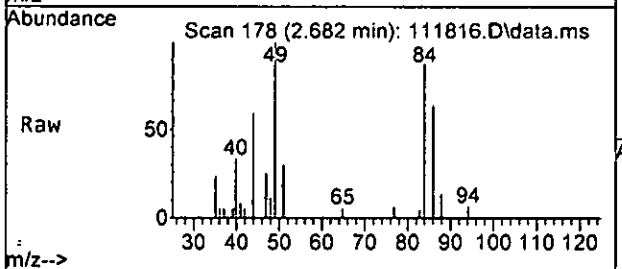
Ion	Ratio	Lower	Upper
57	100		
43	62.9	35.4	95.4
86	21.4	0.0	44.8

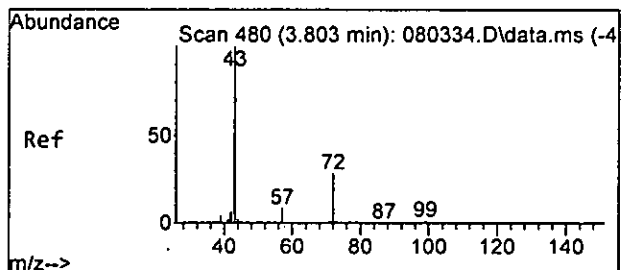


#14
Methylene chloride
Concen: Below Cal
RT: 2.68 min Scan# 178
Delta R.T. -0.000 min
Lab File: 111816.D
Acq: 18 Nov 2022 01:15 pm

Tgt Ion: 84 Resp: 2513

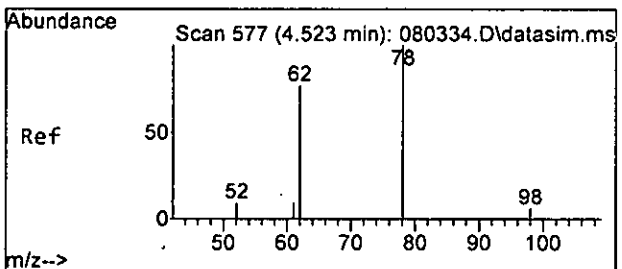
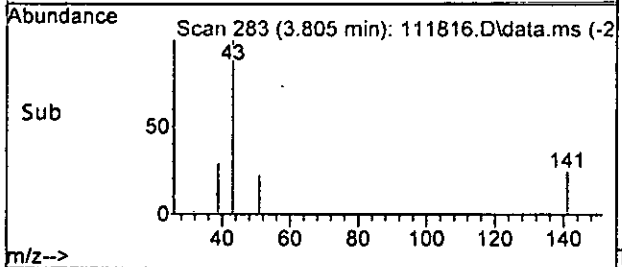
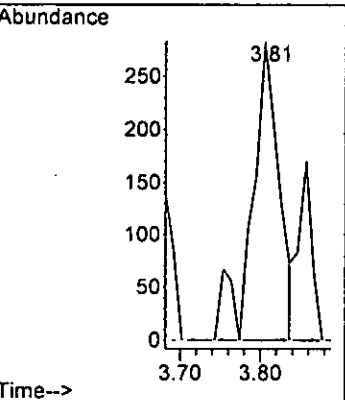
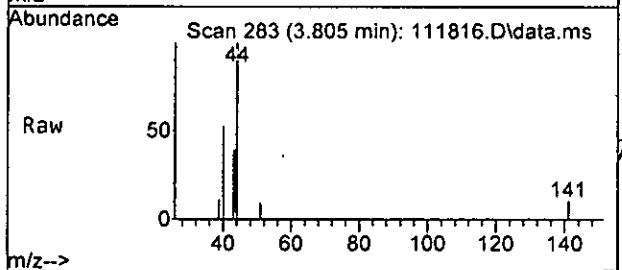
Ion	Ratio	Lower	Upper
84	100		
86	71.3	37.1	97.1
49	113.5	81.3	141.3





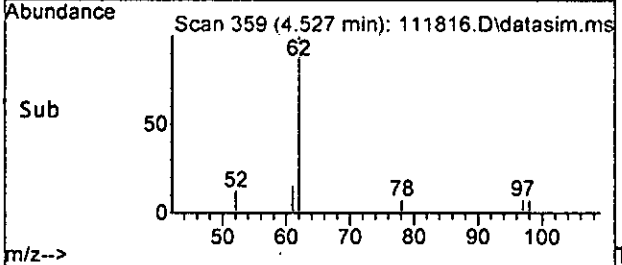
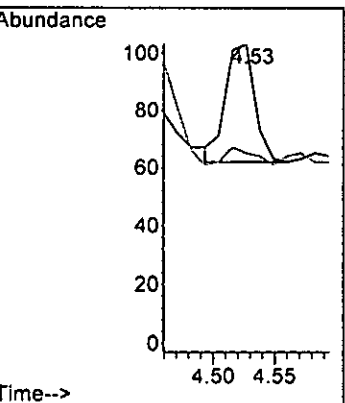
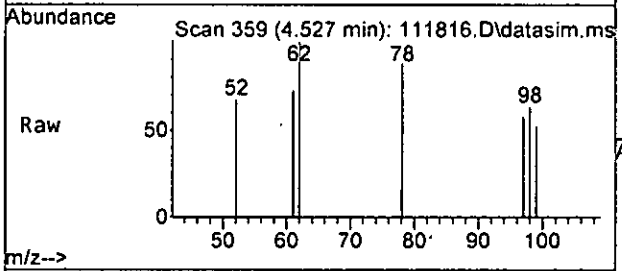
#24
 2-Butanone (MEK)
 Concen: 0.291 ppb
 RT: 3.81 min Scan# 283
 Delta R.T. 0.010 min
 Lab File: 111816.D
 Acq: 18 Nov 2022 01:15 pm

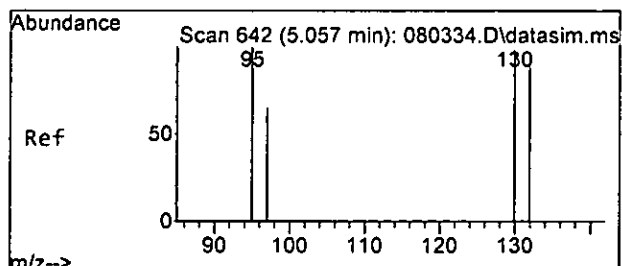
Tgt Ion	Resp	Lower	Upper
43	100		
72	0.0	0.0	57.0
57	0.0	0.0	28.0



#26
 1,2-Dichloroethane (EDC)
 Concen: Below Cal
 RT: 4.53 min Scan# 359
 Delta R.T. -0.000 min
 Lab File: 111816.D
 Acq: 18 Nov 2022 01:15 pm

Tgt Ion	Resp	Lower	Upper
62	100		
98	9.8	0.0	40.1

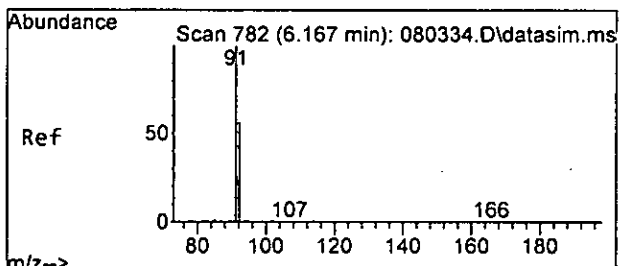
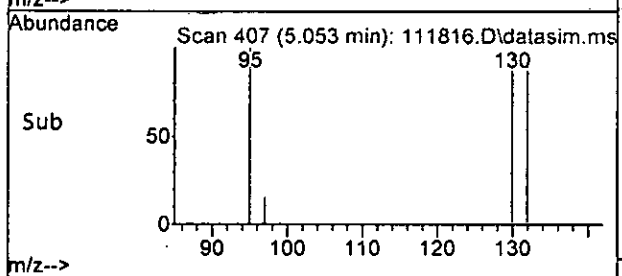
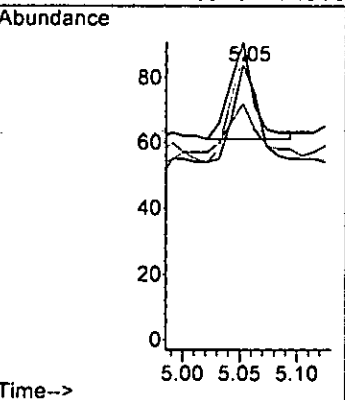
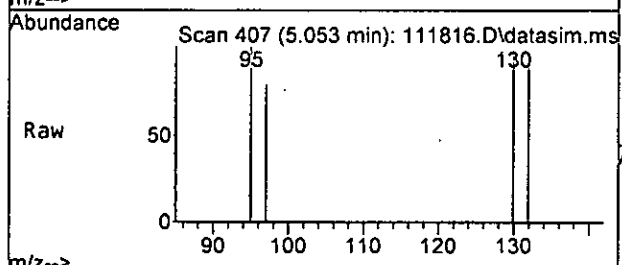




#32
 Trichloroethene
 Concen: 0.012 ppb
 RT: 5.05 min Scan# 407
 Delta R.T. -0.000 min
 Lab File: 111816.D
 Acq: 18 Nov 2022 01:15 pm

Tgt Ion: 95 Resp: 43

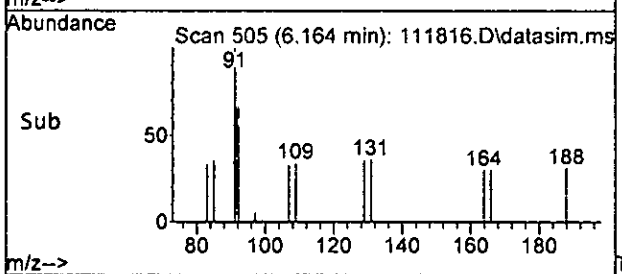
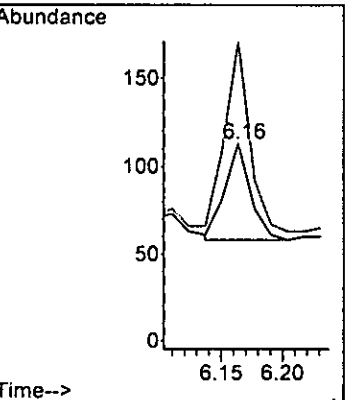
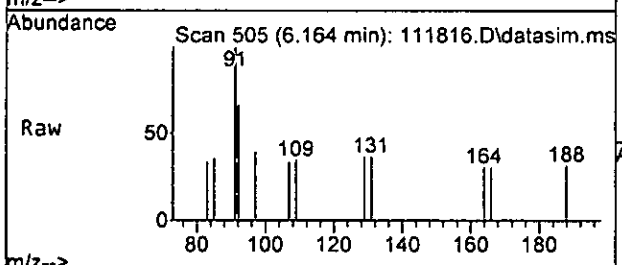
Ion	Ratio	Lower	Upper
95	100		
97	50.0	34.6	94.6
130	110.0	73.4	133.4
132	100.0	65.8	125.8

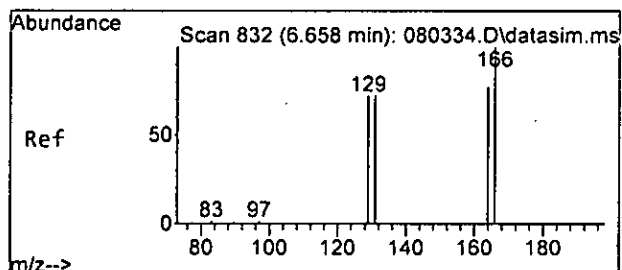


#40
 Toluene
 Concen: Below Cal
 RT: 6.16 min Scan# 505
 Delta R.T. -0.000 min
 Lab File: 111816.D
 Acq: 18 Nov 2022 01:15 pm

Tgt Ion: 92 Resp: 80

Ion	Ratio	Lower	Upper
92	100		
91	196.4	148.5	208.5

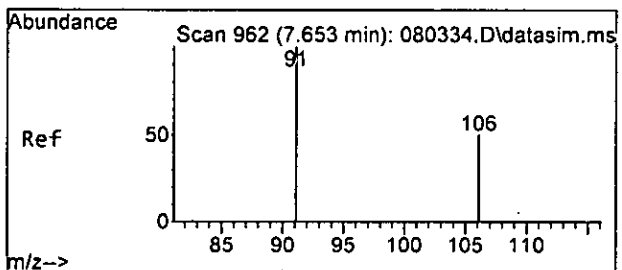
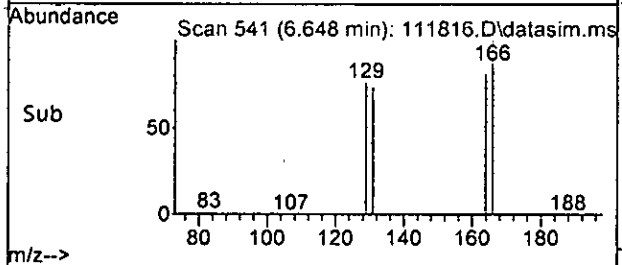
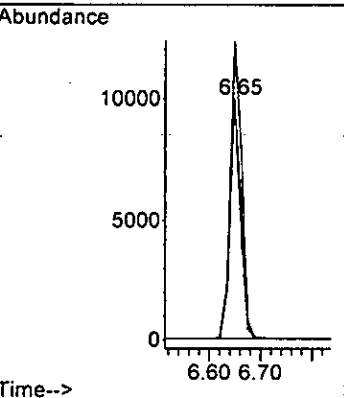
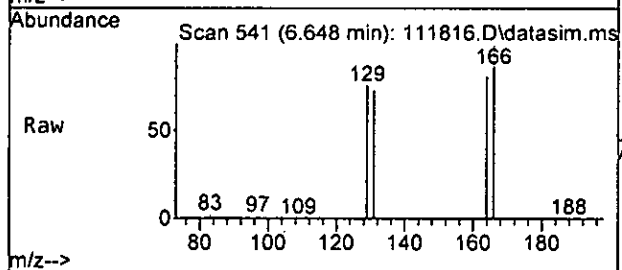




#45
Tetrachloroethene
Concen: 4.225 ppb
RT: 6.65 min Scan# 541
Delta R.T. -0.000 min
Lab File: 111816.D
Acq: 18 Nov 2022 01:15 pm

Tgt Ion:164 Resp: 14524

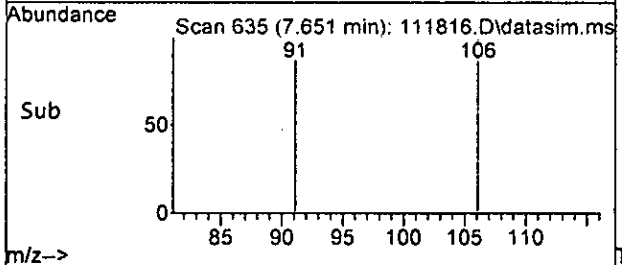
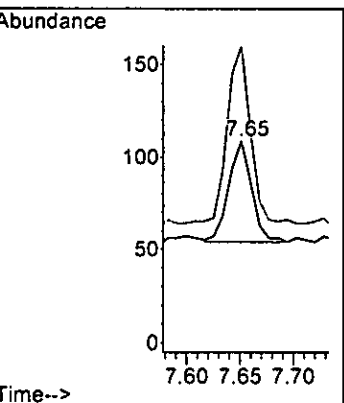
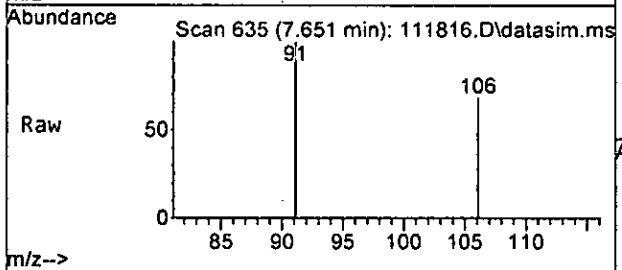
Ion	Ratio	Lower	Upper
164	100		
129	94.0	72.1	132.1
131	90.3	64.8	124.8
166	124.0	90.0	150.0

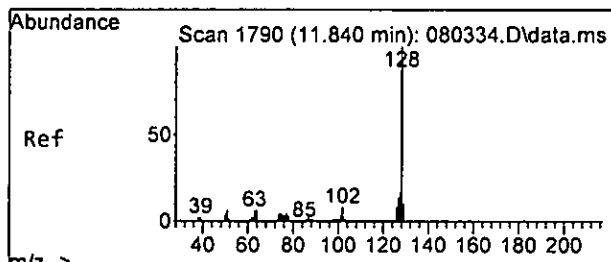


#51
m,p-Xylene
Concen: 0.015 ppb
RT: 7.65 min Scan# 635
Delta R.T. -0.000 min
Lab File: 111816.D
Acq: 18 Nov 2022 01:15 pm

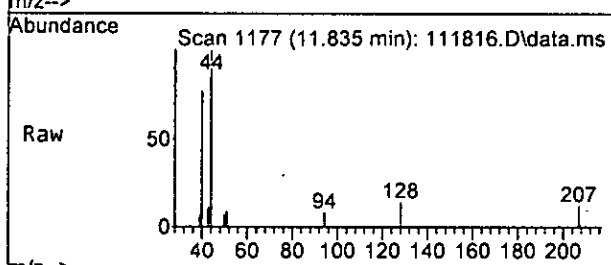
Tgt Ion:106 Resp: 81

Ion	Ratio	Lower	Upper
106	100		
91	172.7	175.7	235.7#

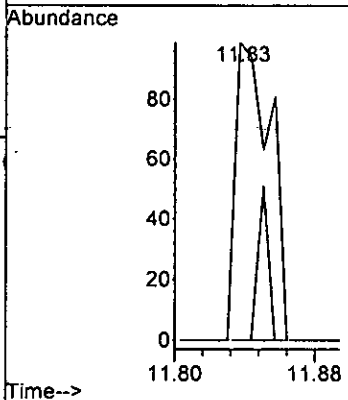
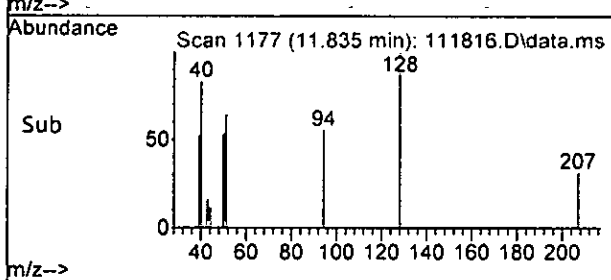




#75
 Naphthalene
 Concen: 0.092 ppb
 RT: 11.83 min Scan# 1177
 Delta R.T. -0.001 min
 Lab File: 111816.D
 Acq: 18 Nov 2022 01:15 pm



Tgt Ion: 128 Resp: 140
 Ion Ratio Lower Upper
 128 100
 129 0.0 0.0 40.8
 127 0.0 0.0 43.1



Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111816.D
 Acq On : 18 Nov 2022 01:15 pm
 Operator : LM
 Sample : 211213-03 1/0.25
 Misc : soil
 ALS Vial : 11 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:44:55 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) Fluorobenzene	4.75	96	97573	10.000	ppb	0.00	
39) Chlorobenzene-d5	7.40	117	86962	10.000	ppb	0.00	
56) 1,4-Dichlorobenzene-d4	9.62	152	53581	10.000	ppb	0.00	
System Monitoring Compounds							
3) Dibromofluoromethane	4.17	113	31918	10.201	ppb	0.00	
Spiked Amount	10.000	Range	50 - 150	Recovery	=	102.00%	
30) 1,2-Dichloroethane-d4	4.45	102	6001	9.896	ppb	0.00	
Spiked Amount	10.000	Range	84 - 120	Recovery	=	99.00%	
35) Toluene-d8	6.11	98	93129	10.008	ppb	0.00	
Spiked Amount	10.000	Range	73 - 128	Recovery	=	100.10%	
57) 4-Bromofluorobenzene	8.51	95	35650	9.656	ppb	0.00	
Spiked Amount	10.000	Range	57 - 146	Recovery	=	96.60%	
Target Compounds							
2) Ethanol	2.37	45	164	No Calib			Qvalue
4) Dichlorodifluoromethane	0.00		0	N.D.			
5) Chloromethane	1.26	50	1075	N.D.			
6) Vinyl chloride	0.00		0	N.D. d			
7) Bromomethane	0.00		0	N.D. d			
8) Chloroethane	0.00		0	N.D.			
9) Trichlorofluoromethane	0.00		0	N.D.			
10) 2-Propanol	2.37	45	164	No Calib	#		
11) Acetone	2.34	58	36	Below Cal	#	1	
12) 1,1-Dichloroethene	0.00		0	N.D.			
13) Hexane	3.16	57	8919	2.828	ppb	95	
14) Methylene chloride	2.68	84	2513	Below Cal		97	
15) t-Butyl alcohol (TBA)	0.00		0	N.D.			
16) Methyl t-butyl ether (...)	0.00		0	N.D.			
17) trans-1,2-Dichloroethene	0.00		0	N.D.			
18) Diisopropyl ether (DIPE)	0.00		0	N.D.			
19) 1,1-Dichloroethane	0.00		0	N.D.			
20) Ethyl t-butyl ether (E...)	0.00		0	N.D.			
21) 2,2-Dichloropropane	3.77	77	114	N.D.			
22) cis-1,2-Dichloroethene	0.00		0	N.D.			
23) Chloroform	0.00		0	N.D.			
24) 2-Butanone (MEK)	3.81	43	669	0.291	ppb	55	
25) t-Amyl methyl ether (T...)	0.00		0	N.D.			
26] 1,2-Dichloroethane (EDC)	4.53	62	68	Below Cal		99	
27) 1,1,1-Trichloroethane	0.00		0	N.D.			
28) 1,1-Dichloropropene	0.00		0	N.D.			
29) Carbon tetrachloride	0.00		0	N.D.			
31) Benzene	4.50	78	54	N.D.			
32] Trichloroethene	5.05	95	43	0.012	ppb	91	
33) 1,2-Dichloropropane	0.00		0	N.D.			
34) Bromodichloromethane	0.00		0	N.D.			
36) Dibromomethane	0.00		0	N.D.			

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111816.D
 Acq On : 18 Nov 2022 01:15 pm
 Operator : LM
 Sample : 211213-03 1/0.25
 Misc : soil
 ALS Vial : 11 Sample Multiplier: 1
 InstName : GCMS13

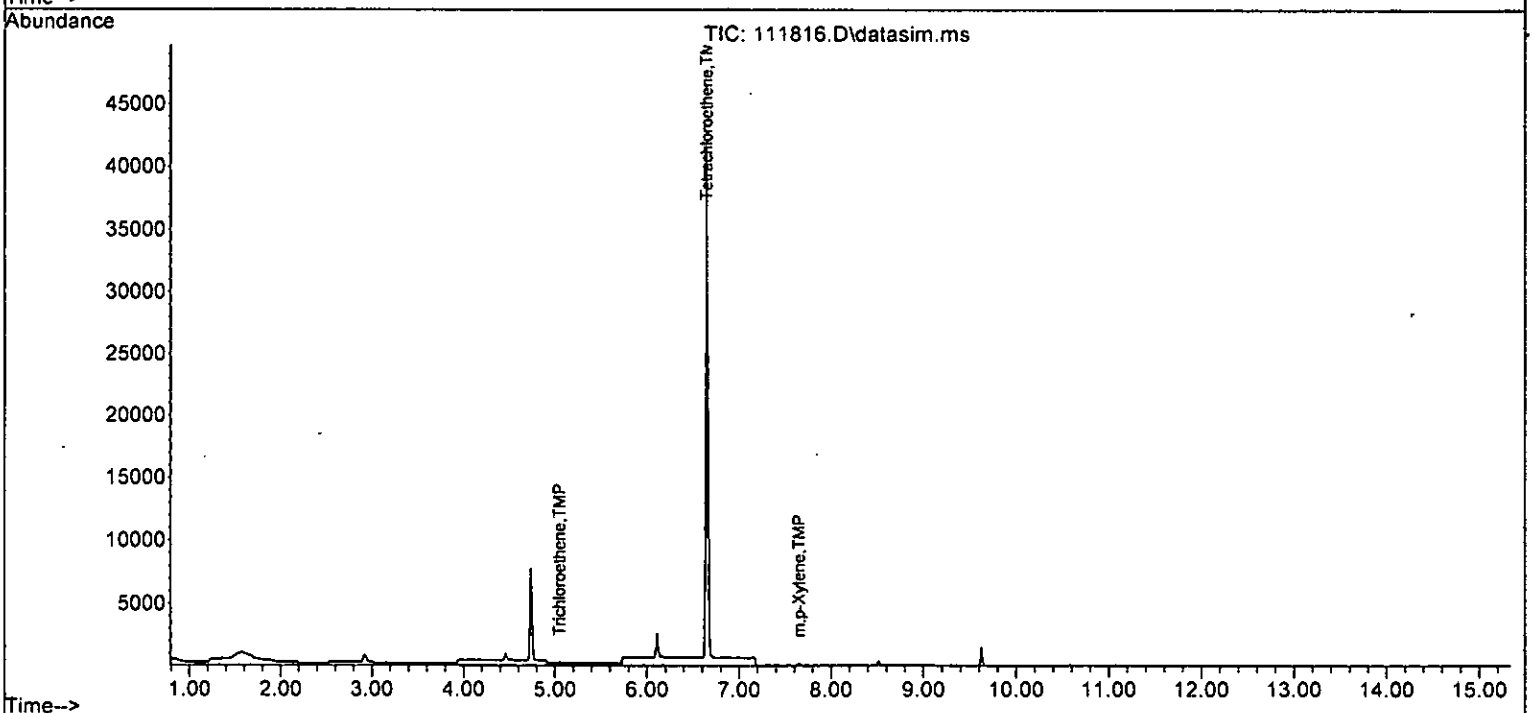
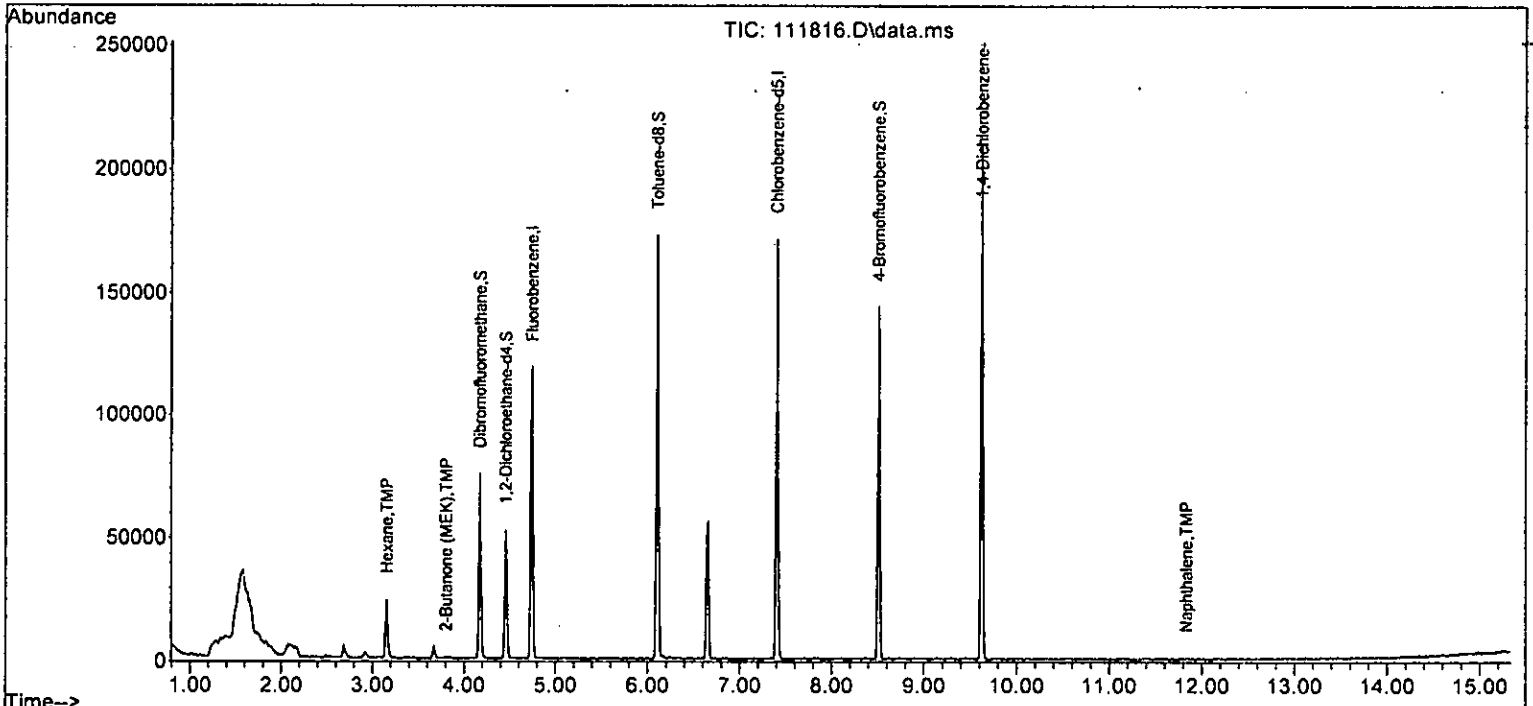
Quant Time: Nov 21 09:44:55 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.00		0		N.D.	
38) cis-1,3-Dichloropropene	0.00		0		N.D.	
40] Toluene	6.16	92	80		Below Cal	87
41) trans-1,3-Dichloropropene	0.00		0		N.D. d	
42) 1,1,2-Trichloroethane	6.65	83	223		N.D.	
43) 2-Hexanone	0.00		0		N.D. d	
44) 1,3-Dichloropropane	0.00		0		N.D.	
45] Tetrachloroethene	6.65	164	14524	4.225	ppb	95
46) Dibromochloromethane	0.00		0		N.D.	
47) 1,2-Dibromoethane (EDB)	0.00		0		N.D.	
48) Chlorobenzene	0.00		0		N.D.	
49) Ethylbenzene	7.54	91	77		N.D.	
50) 1,1,1,2-Tetrachloroethane	0.00		0		N.D.	
51] m,p-Xylene	7.65	106	81	0.015	ppb #	79
52) o-Xylene	8.02	106	35		N.D.	
53) Styrene	0.00		0		N.D.	
54) Isopropylbenzene	8.37	105	124		N.D.	
55) Bromoform	0.00		0		N.D.	
58) n-Propylbenzene	8.84	91	31		N.D.	
59) Bromobenzene	8.65	156	26		N.D.	
60) 1,3,5-Trimethylbenzene	0.00		0		N.D.	
61) 1,1,2,2-Tetrachloroethane	0.00		0		N.D.	
62) 1,2,3-Trichloropropane	0.00		0		N.D. d	
63) 2-Chlorotoluene	8.84	91	31		N.D.	
64) 4-Chlorotoluene	8.95	91	71		N.D.	
65) tert-Butylbenzene	0.00		0		N.D.	
66) 1,2,4-Trimethylbenzene	9.30	105	163		N.D.	
67) sec-Butylbenzene	9.46	105	62		N.D.	
68) p-Isopropyltoluene	9.61	119	104		N.D.	
69) 1,3-Dichlorobenzene	0.00		0		N.D.	
70) 1,4-Dichlorobenzene	0.00		0		N.D.	
71) 1,2-Dichlorobenzene	0.00		0		N.D.	
72) 1,2-Dibromo-3-chloropr...	0.00		0		N.D.	
73) 1,2,4-Trichlorobenzene	0.00		0		N.D.	
74) Hexachlorobutadiene	0.00		0		N.D.	
75) Naphthalene	11.83	128	140	0.092	ppb	69
76) 1,2,3-Trichlorobenzene	0.00		0		N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111816.D
 Acq On : 18 Nov 2022 01:15 pm
 Operator : LM
 Sample : 211213-03 1/0.25
 Misc : soil
 ALS Vial : 11 Sample Multiplier: 1
 InstName : GCMS13

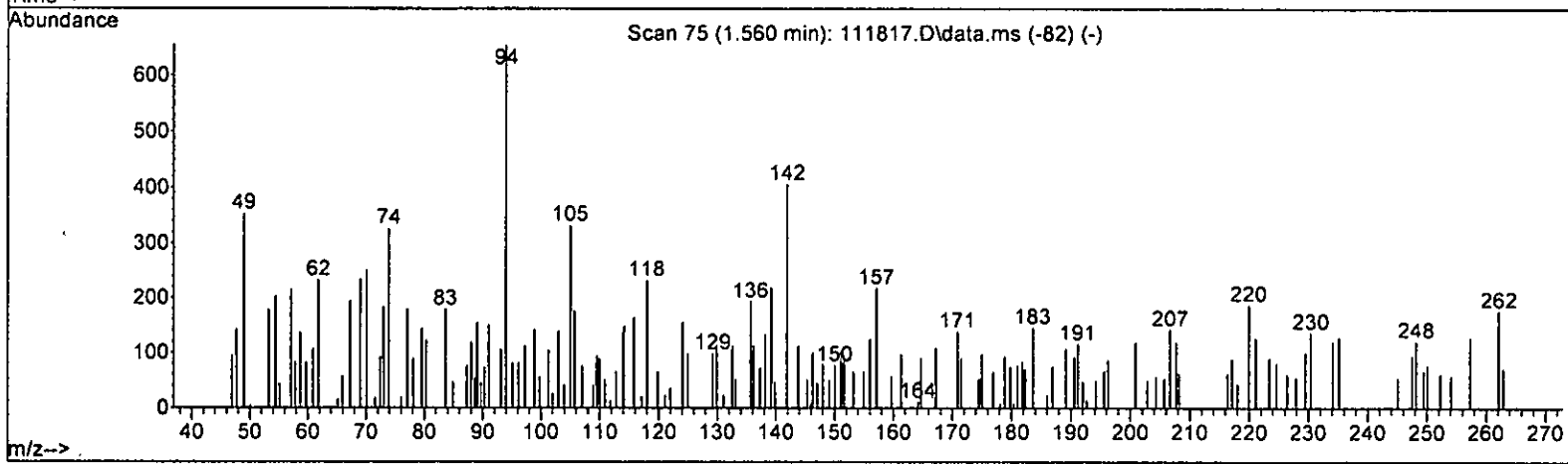
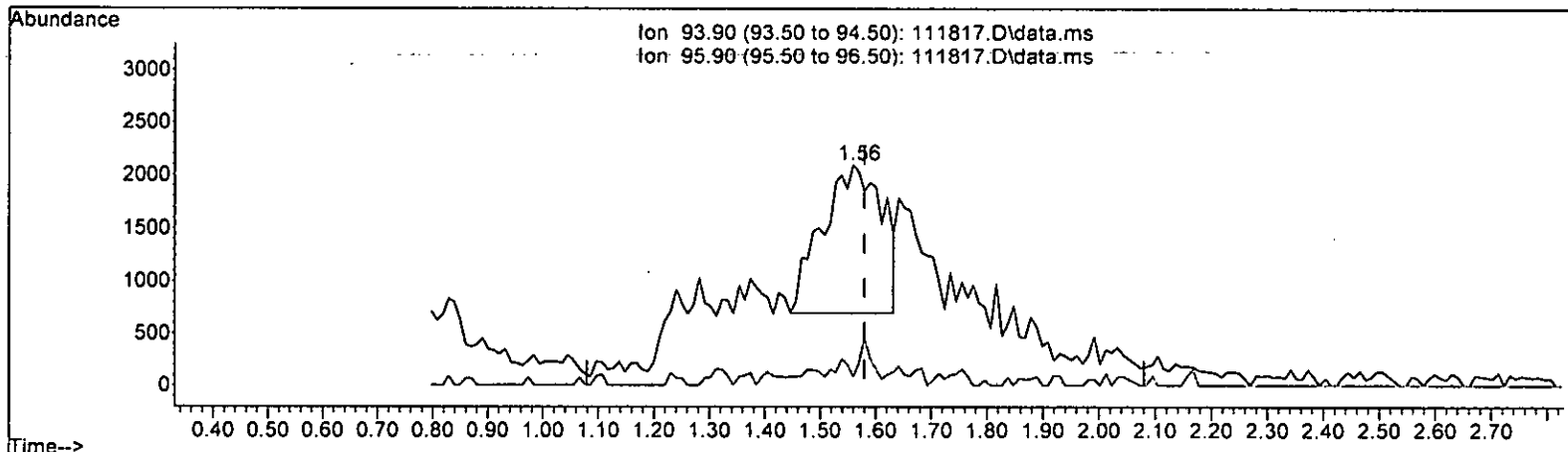
Quant Time: Nov 21 09:44:55 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111817.D
 Acq On : 18 Nov 2022 01:38 pm
 Operator : LM
 Sample : 211213-04 1/0.25
 Misc : soil
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:44:59 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



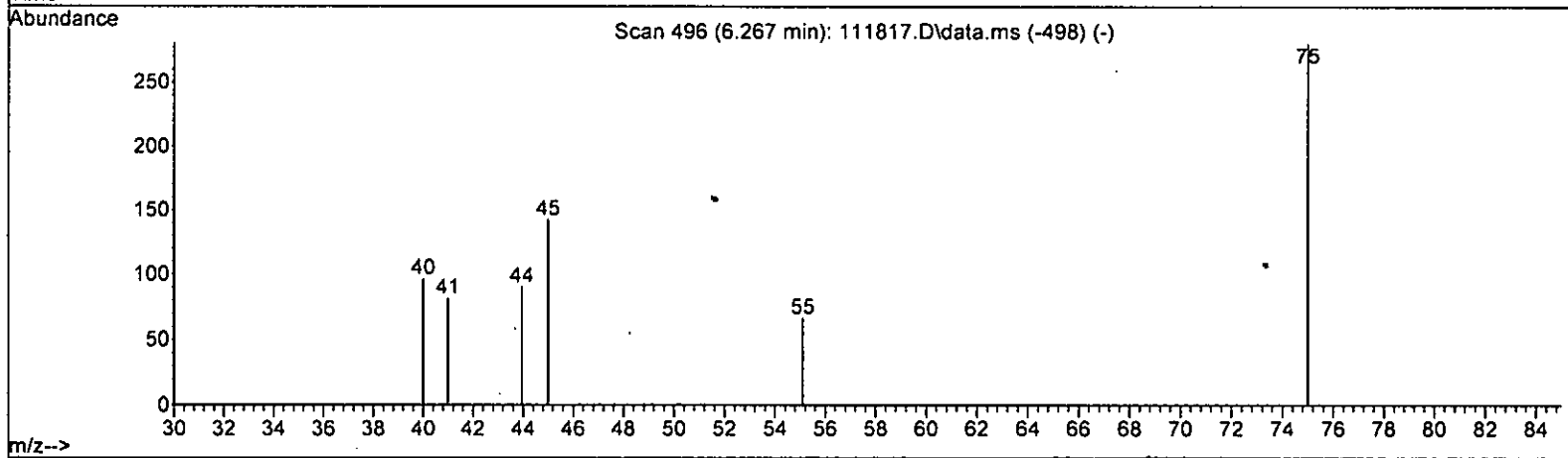
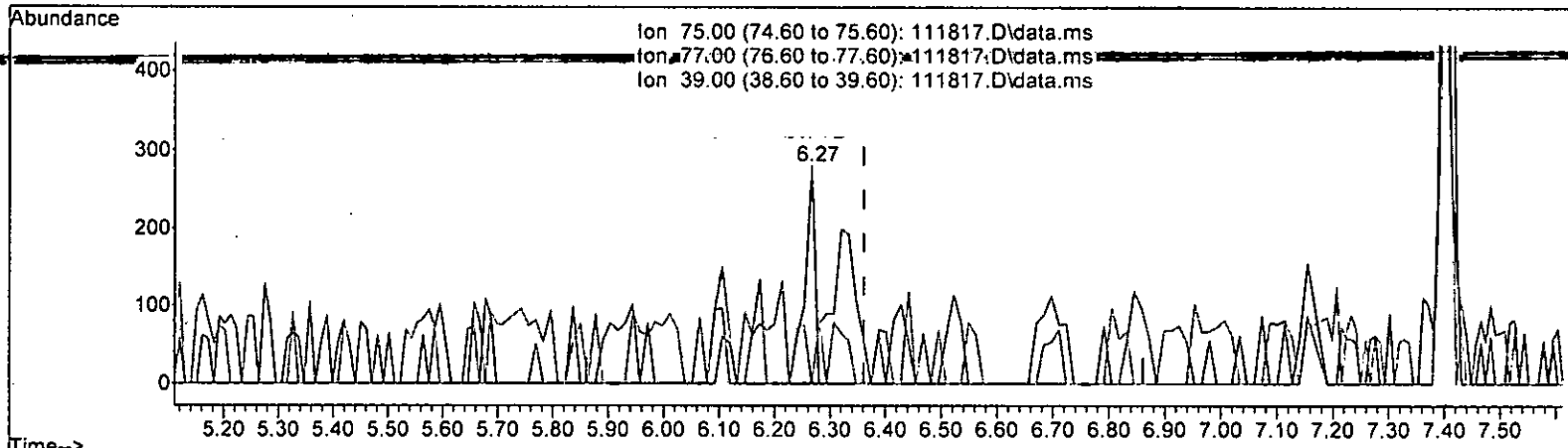
TIC: 111817.D\data.ms

(7) Bromomethane (TMP)		
1.560min (-0.020) 2.559 ppb		
response	10528	
Ion	Exp%	Act%
93.90	100.00	100.00
95.90	93.50	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111817.D
 Acq On : 18 Nov 2022 01:38 pm
 Operator : LM
 Sample : 211213-04 1/0.25
 Misc : soil
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:44:59 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 111817.D\data.ms

(41) trans-1,3-Dichloropropene (TMP)

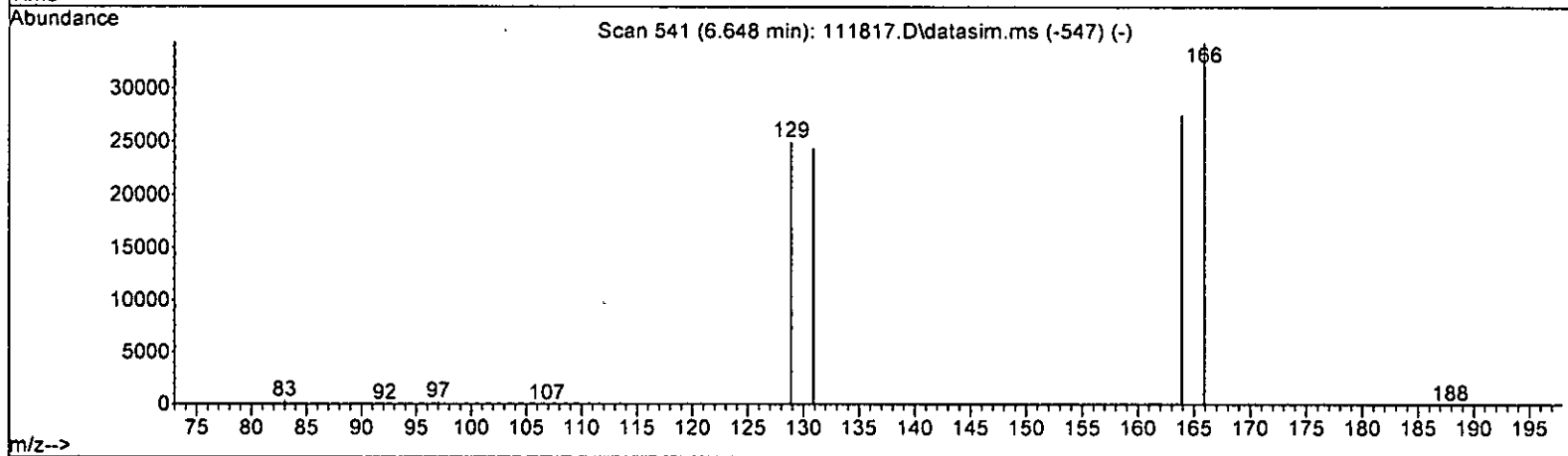
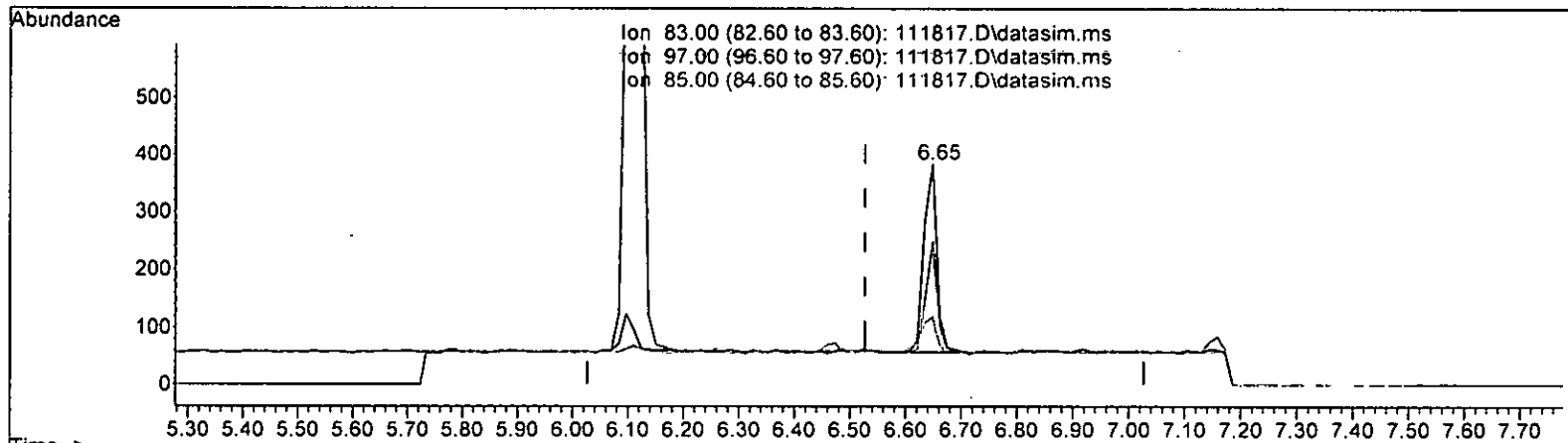
6.267min (-0.094) 0.120 ppb

response	355
Ion	Exp% Act%
75.00	100.00 100.00
77.00	32.60 0.00#
39.00	46.30 0.00#
0.00	0.00 0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111817.D
 Acq On : 18 Nov 2022 01:38 pm
 Operator : LM
 Sample : 211213-04 1/0.25
 Misc : soil
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:44:59 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 111817.D\data.ms

(42) 1,1,2-Trichloroethane (TMP)

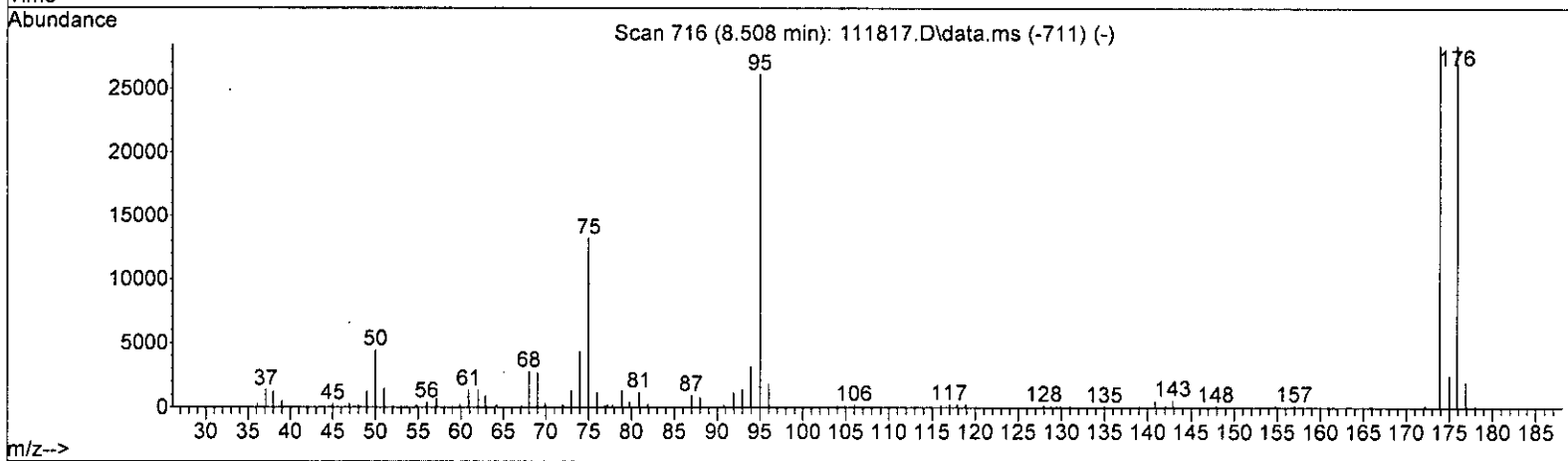
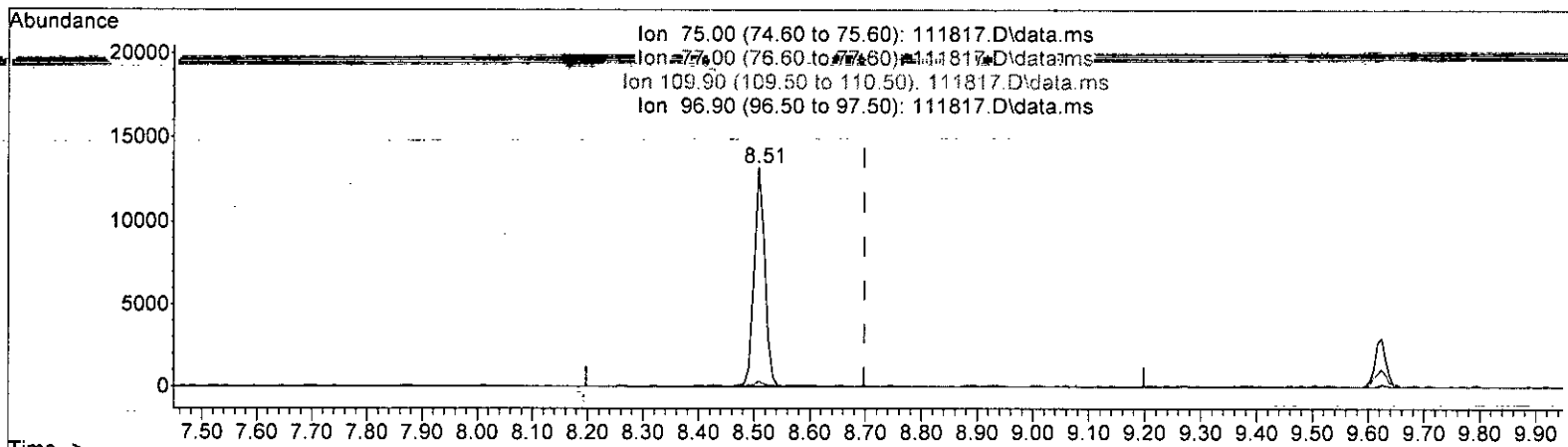
6.648min (+ 0.121) 0.217 ppb

response	527	
Ion	Exp%	Act%
83.00	100.00	100.00
97.00	118.00	58.28#
85.00	65.30	18.71#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111817.D
 Acq On : 18 Nov 2022 01:38 pm
 Operator : LM
 Sample : 211213-04 1/0.25
 Misc : soil
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:44:59 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 111817.D\data.ms

Retention Time (min)	Compound	Response
8.508	1,2,3-Trichloropropane (TMP)	17521

Retention Time (min)	Abundance	Exp%	Act%
75.00	17521	100.00	100.00
77.00	~2000	34.00	2.02#
109.90	~2000	36.50	0.00#
96.90	~2000	22.60	0.00

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111817.D
 Acq On : 18 Nov 2022 01:38 pm
 Operator : LM
 Sample : 211213-04 1/0.25
 Misc : soil
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS13

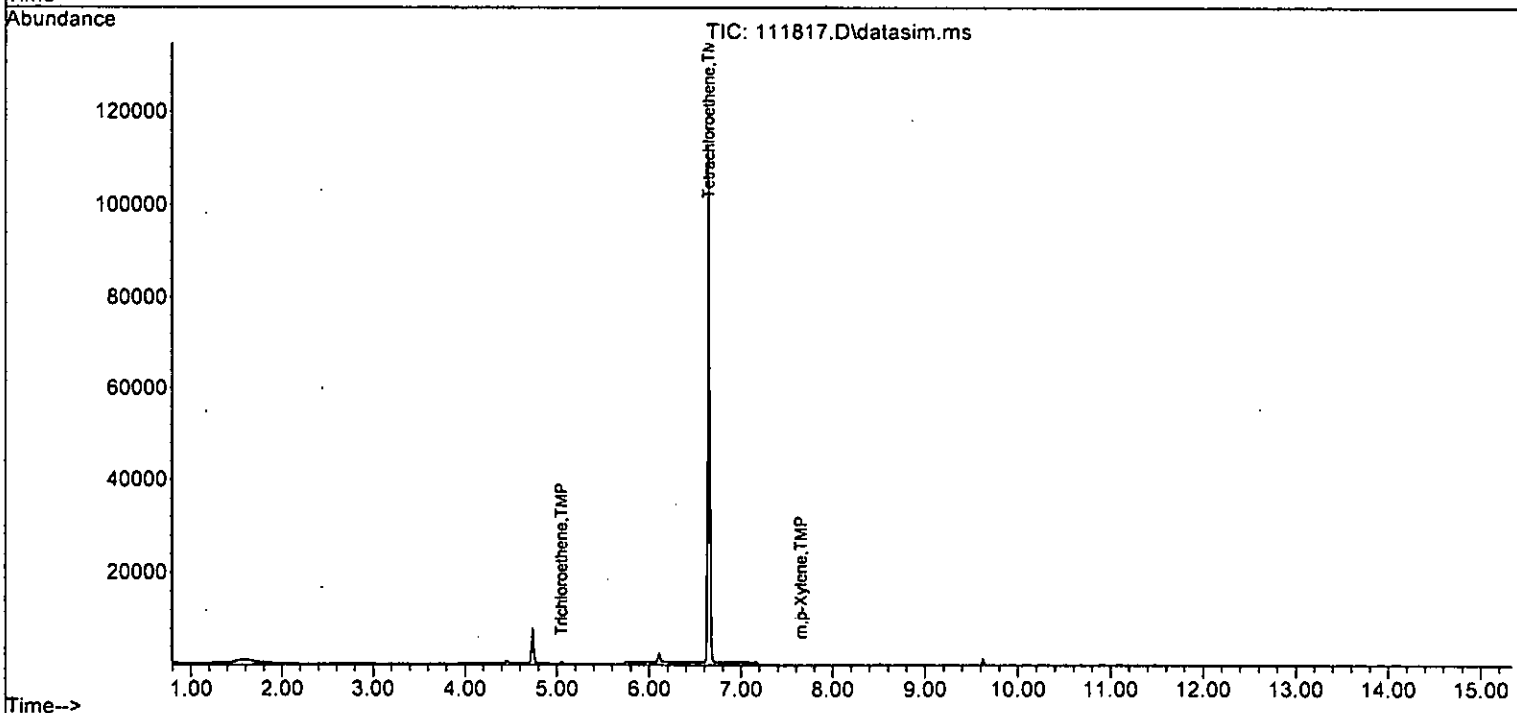
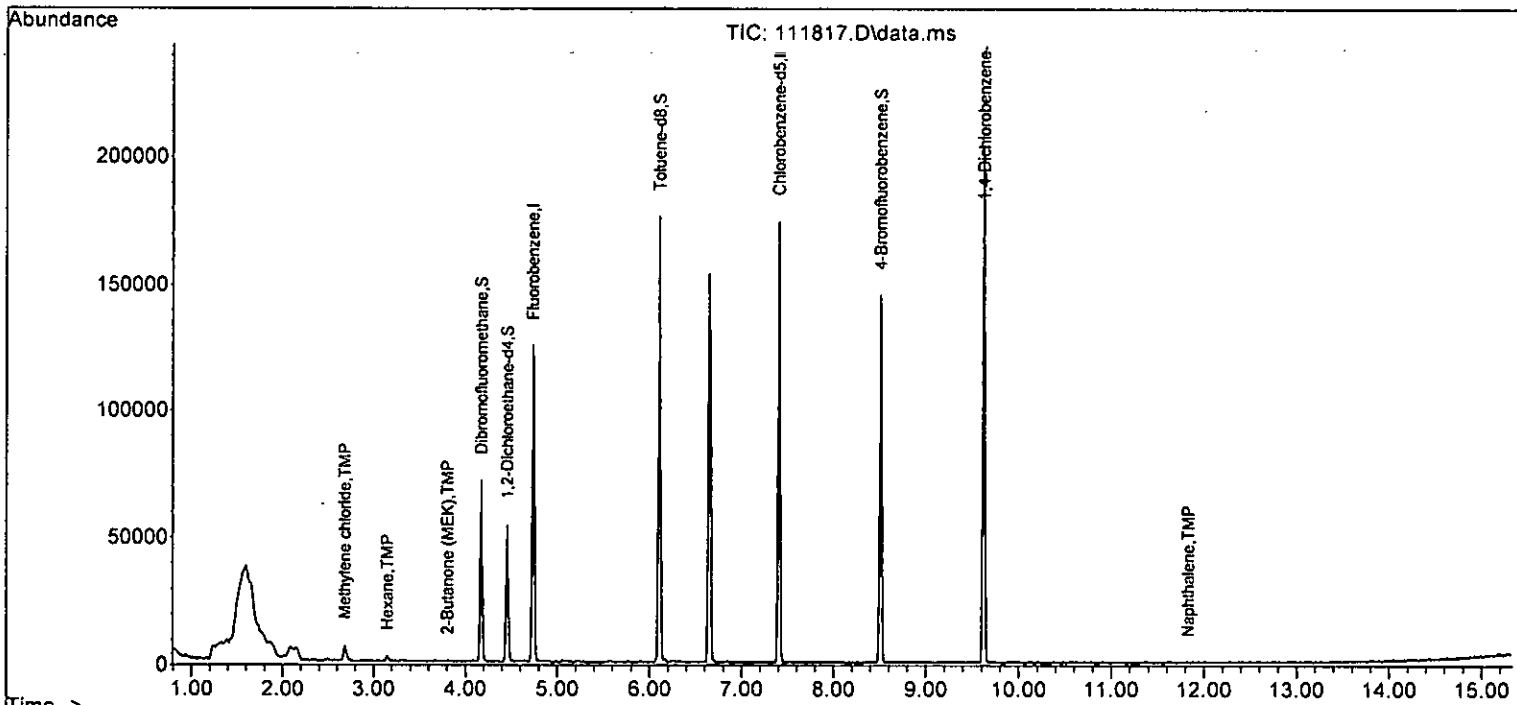
Quant Time: Nov 21 09:44:59 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

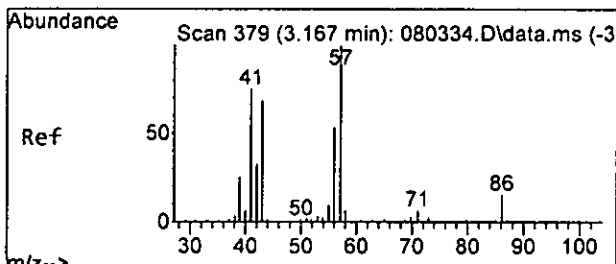
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.73	96	95216	10.000	ppb	-0.01
39) Chlorobenzene-d5	7.40	117	88255	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	53646	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.18	113	31839	10.427	ppb	0.00
Spiked Amount	10.000	Range	50 - 150	Recovery	=	104.30%
30) 1,2-Dichloroethane-d4	4.45	102	5876	9.930	ppb	0.00
Spiked Amount	10.000	Range	84 - 120	Recovery	=	99.30%
35) Toluene-d8	6.11	98	94928	10.453	ppb	0.00
Spiked Amount	10.000	Range	73 - 128	Recovery	=	104.50%
57) 4-Bromofluorobenzene	8.51	95	35704	9.659	ppb	0.00
Spiked Amount	10.000	Range	57 - 146	Recovery	=	96.60%
Target Compounds						
13) Hexane	3.15	57	692	0.225	ppb	# 32
14) Methylene chloride	2.68	84	3557	0.187	ppb	87
24) 2-Butanone (MEK)	3.81	43	507	0.168	ppb	92
26] 1,2-Dichloroethane (EDC)	4.52	62	72	Below Cal		98
32] Trichloroethene	5.05	95	180	0.052	ppb	# 64
40] Toluene	6.16	92	106	Below Cal		89
45] Tetrachloroethene	6.65	164	39064	11.205	ppb	93
51] m,p-Xylene	7.65	106	74	0.014	ppb	87
75) Naphthalene	11.83	128	121	0.090	ppb	69

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS13\11-18-22\
Data File : 111817.D
Acq On : 18 Nov 2022 01:38 pm
Operator : LM
Sample : 211213-04 1/0.25
Misc : soil
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Nov 21 09:44:59 2022
Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
QLast Update : Mon Nov 07 15:16:10 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M

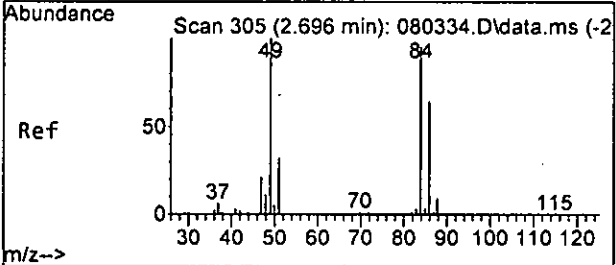
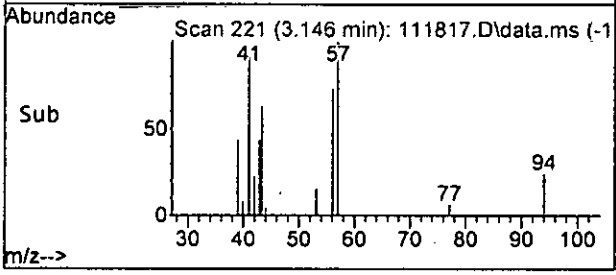
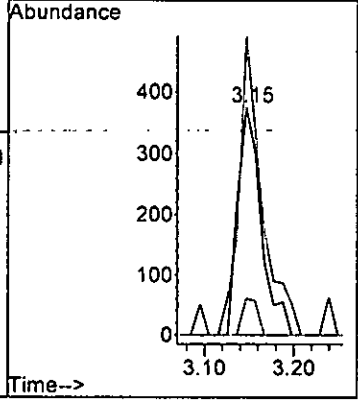
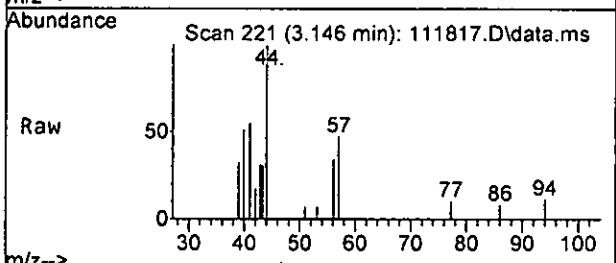




#13
 Hexane
 Concen: 0.225 ppb
 RT: 3.15 min Scan# 221
 Delta R.T. -0.011 min
 Lab File: 111817.D
 Acq: 18 Nov 2022 01:38 pm

Tgt Ion: 57 Resp: 692

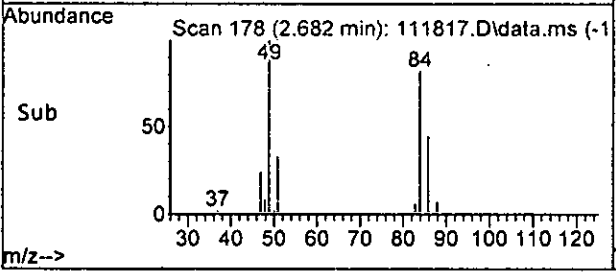
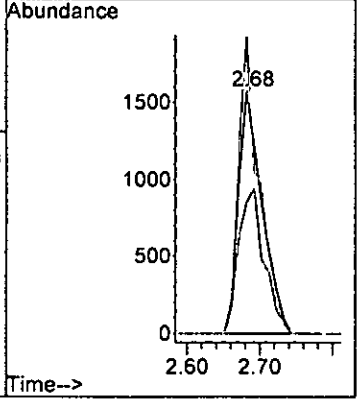
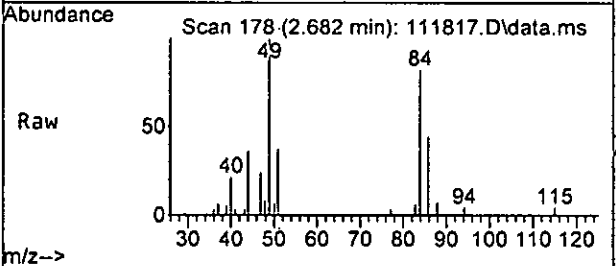
Ion	Ratio	Lower	Upper
57	100		
43	130.9	35.4	95.4#
86	16.3	0.0	44.8

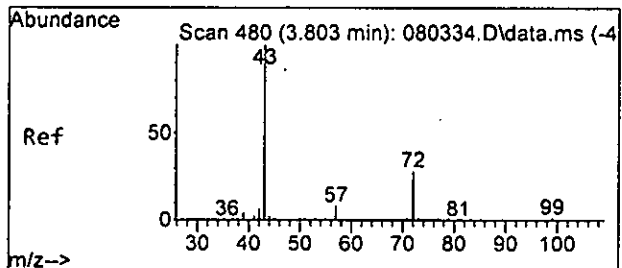


#14
 Methylene chloride
 Concen: 0.187 ppb
 RT: 2.68 min Scan# 178
 Delta R.T. -0.000 min
 Lab File: 111817.D
 Acq: 18 Nov 2022 01:38 pm

Tgt Ion: 84 Resp: 3557

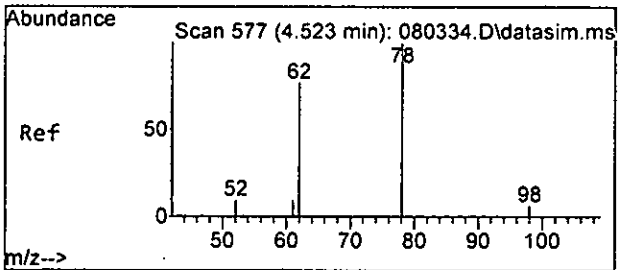
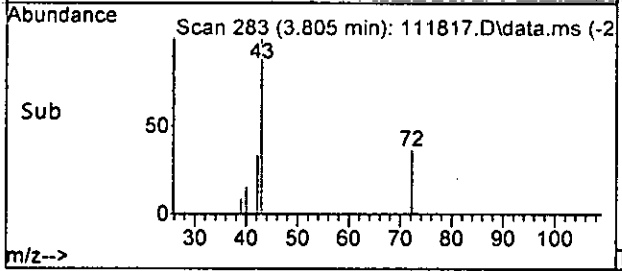
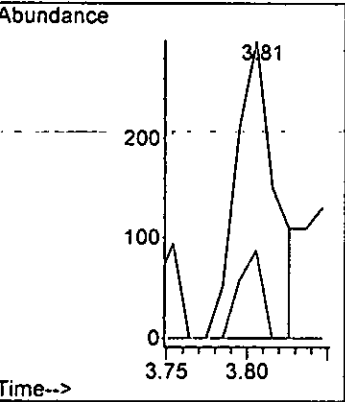
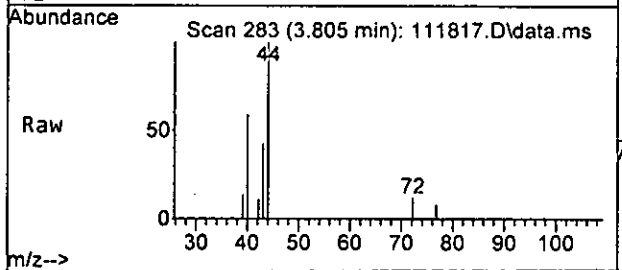
Ion	Ratio	Lower	Upper
84	100		
86	54.3	37.1	97.1
49	122.5	81.3	141.3





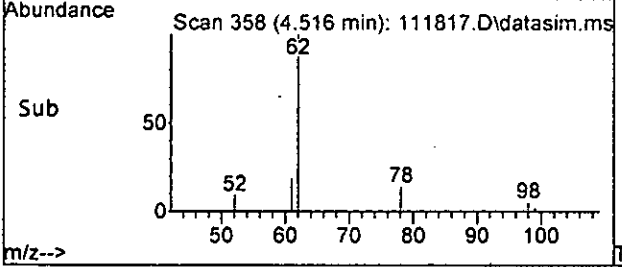
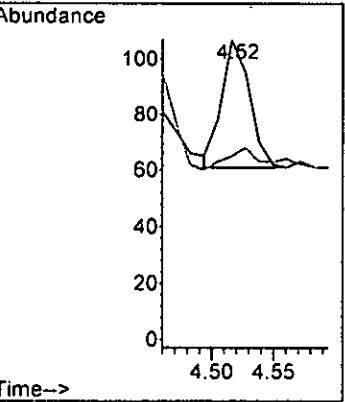
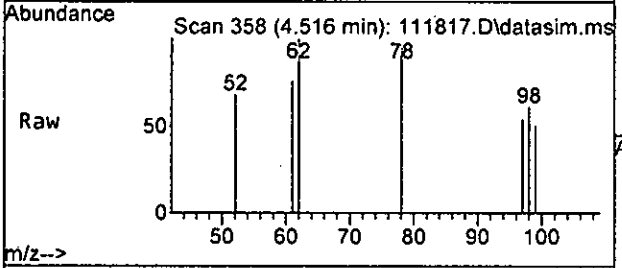
#24
 2-Butanone (MEK)
 Concen: 0.168 ppb
 RT: 3.81 min Scan# 283
 Delta R.T. 0.010 min
 Lab File: 111817.D
 Acq: 18 Nov 2022 01:38 pm

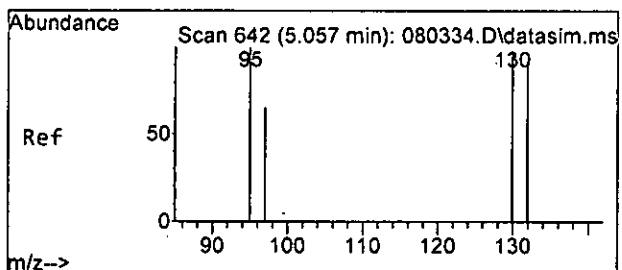
Tgt Ion:	43	Resp:	507
Ion Ratio	Lower	Upper	
43	100		
72	29.2	0.0	57.0
57	0.0	0.0	28.0



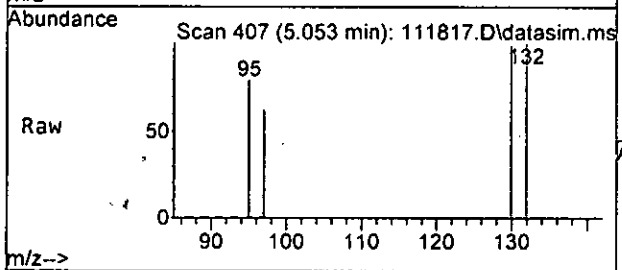
#26
 1,2-Dichloroethane (EDC)
 Concen: Below Cal
 RT: 4.52 min Scan# 358
 Delta R.T. -0.011 min
 Lab File: 111817.D
 Acq: 18 Nov 2022 01:38 pm

Tgt Ion:	62	Resp:	72
Ion Ratio	Lower	Upper	
62	100		
98	10.9	0.0	40.1



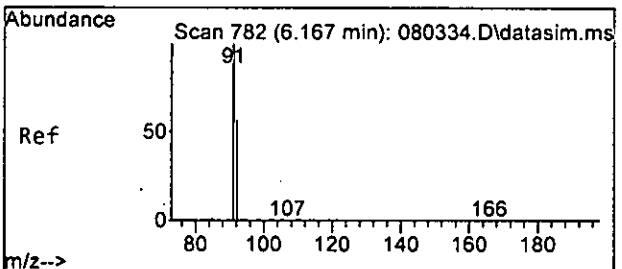
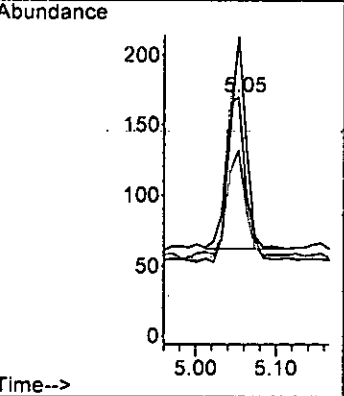
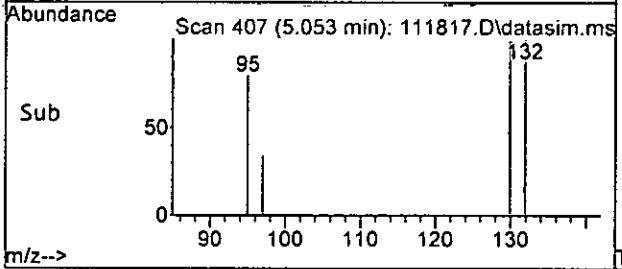


#32
 Trichloroethene
 Concen: 0.052 ppb
 RT: 5.05 min Scan# 407
 Delta R.T. -0.000 min
 Lab File: 111817.D
 Acq: 18 Nov 2022 01:38 pm

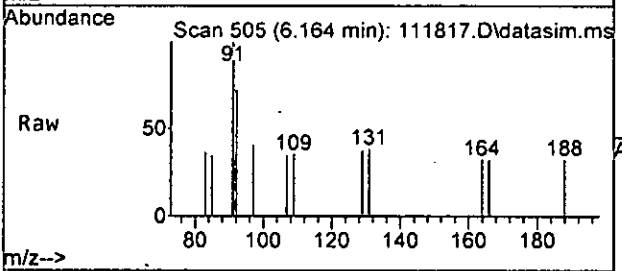


Tgt Ion: 95 Resp: 180

Ion	Ratio	Lower	Upper
95	100		
97	68.5	34.6	94.6
130	145.4	73.4	133.4#
132	147.2	65.8	125.8#

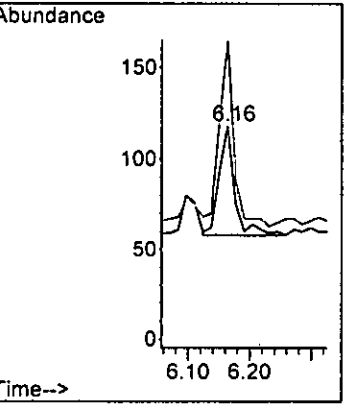
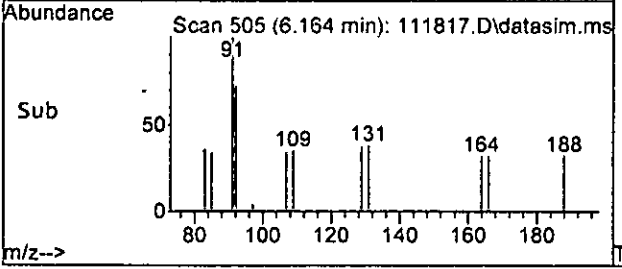


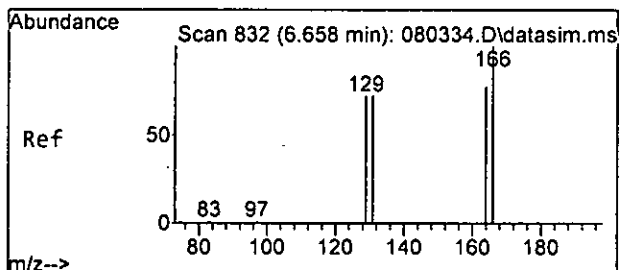
#40
 Toluene
 Concen: Below Cal
 RT: 6.16 min Scan# 505
 Delta R.T. 0.000 min
 Lab File: 111817.D
 Acq: 18 Nov 2022 01:38 pm



Tgt Ion: 92 Resp: 106

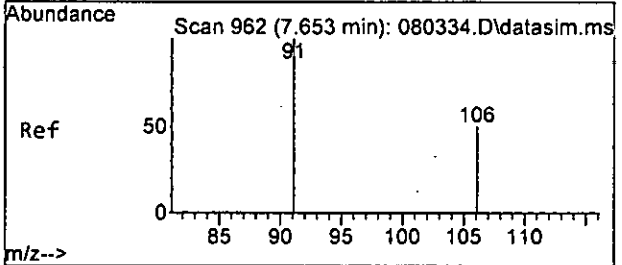
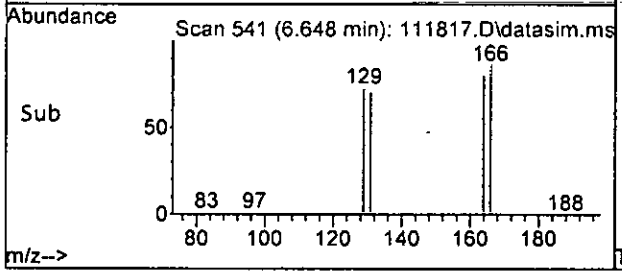
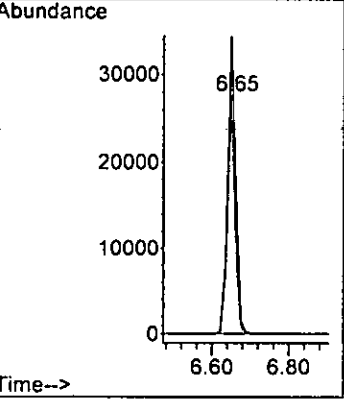
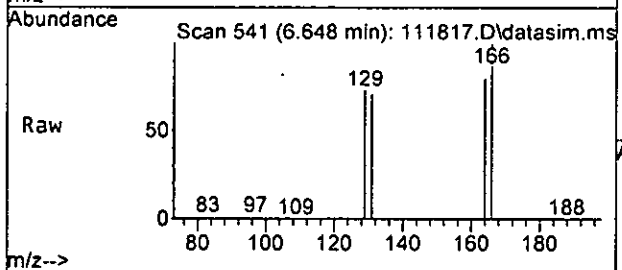
Ion	Ratio	Lower	Upper
92	100		
91	163.3	148.5	208.5





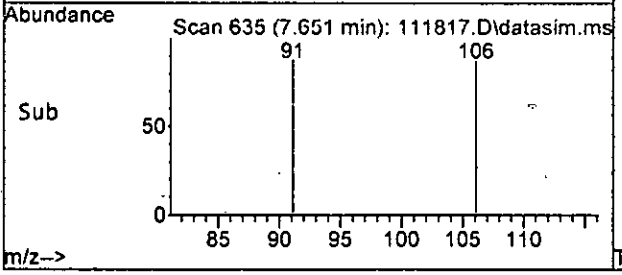
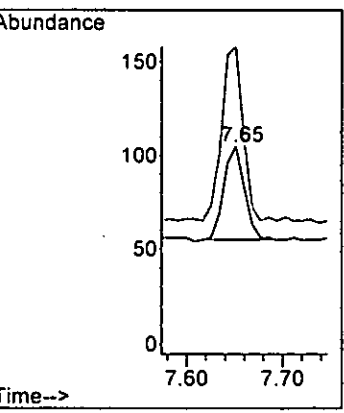
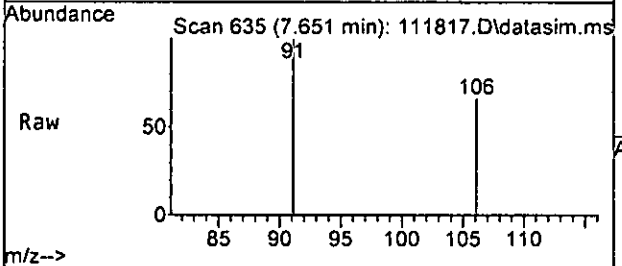
#45
 Tetrachloroethene
 Concen: 11.205 ppb
 RT: 6.65 min Scan# 541
 Delta R.T. 0.000 min
 Lab File: 111817.D
 Acq: 18 Nov 2022 01:38 pm

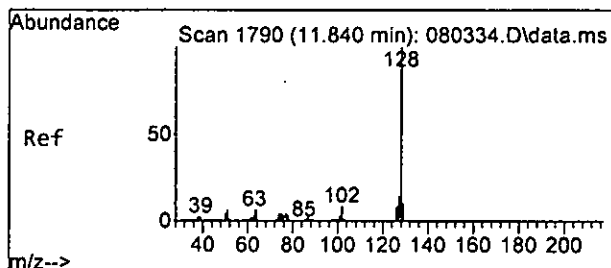
Tgt Ion	Resp	Lower	Upper
164	100		
129	90.7	72.1	132.1
131	88.5	64.8	124.8
166	124.9	90.0	150.0



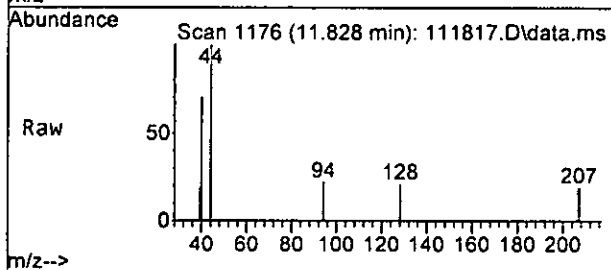
#51
 m,p-Xylene
 Concen: 0.014 ppb
 RT: 7.65 min Scan# 635
 Delta R.T. 0.000 min
 Lab File: 111817.D
 Acq: 18 Nov 2022 01:38 pm

Tgt Ion	Resp	Lower	Upper
106	100		
91	186.0	175.7	235.7



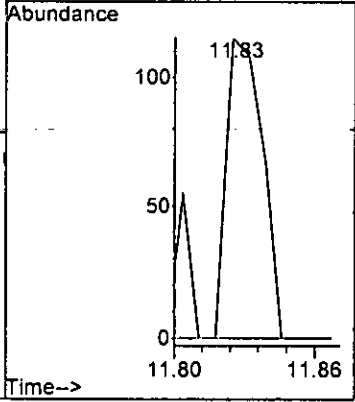
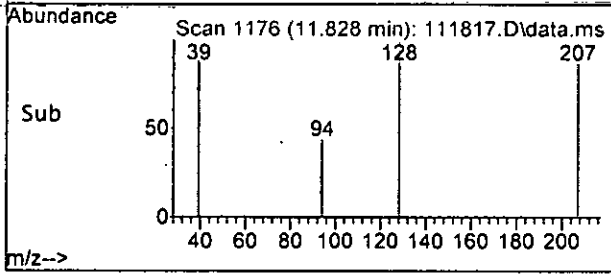


#75
 Naphthalene
 Concen: 0.090 ppb
 RT: 11.83 min Scan# 1176
 Delta R.T. -0.007 min
 Lab File: 111817.D
 Acq: 18 Nov 2022 01:38 pm



Tgt Ion: 128 Resp: 121

Ion	Ratio	Lower	Upper
128	100		
129	0.0	0.0	40.8
127	0.0	0.0	43.1



Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111817.D
 Acq On : 18 Nov 2022 01:38 pm
 Operator : LM
 Sample : 211213-04 1/0.25
 Misc : soil
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:44:59 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 Qlast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) Fluorobenzene	4.73	96	95216	10.000	ppb	-0.01	
39) Chlorobenzene-d5	7.40	117	88255	10.000	ppb	0.00	
56) 1,4-Dichlorobenzene-d4	9.62	152	53646	10.000	ppb	0.00	
System Monitoring Compounds							
3) Dibromofluoromethane	4.18	113	31839	10.427	ppb	0.00	
Spiked Amount	10.000	Range	50 - 150	Recovery	=	104.30%	
30) 1,2-Dichloroethane-d4	4.45	102	5876	9.930	ppb	0.00	
Spiked Amount	10.000	Range	84 - 120	Recovery	=	99.30%	
35) Toluene-d8	6.11	98	94928	10.453	ppb	0.00	
Spiked Amount	10.000	Range	73 - 128	Recovery	=	104.50%	
57) 4-Bromofluorobenzene	8.51	95	35704	9.659	ppb	0.00	
Spiked Amount	10.000	Range	57 - 146	Recovery	=	96.60%	
Target Compounds							
2) Ethanol	2.34	45	186	No Calib			Qvalue
4) Dichlorodifluoromethane	0.00		0	N.D.			
5) Chloromethane	1.24	50	254	N.D.			
6) Vinyl chloride	0.00		0	N.D.			
7) Bromomethane	0.00		0	N.D. d			
8) Chloroethane	0.00		0	N.D.			
9) Trichlorofluoromethane	1.86	101	48	N.D.			
10) 2-Propanol	2.34	45	186	No Calib	#		
11) Acetone	0.00		0	N.D.			
12) 1,1-Dichloroethene	0.00		0	N.D.			
13) Hexane	3.15	57	692	0.225	ppb #	32	
14) Methylene chloride	2.68	84	3557	0.187	ppb	87	
15) t-Butyl alcohol (TBA)	0.00		0	N.D.			
16) Methyl t-butyl ether (...)	0.00		0	N.D.			
17) trans-1,2-Dichloroethene	0.00		0	N.D.			
18) Diisopropyl ether (DIPE)	0.00		0	N.D.			
19) 1,1-Dichloroethane	0.00		0	N.D.			
20) Ethyl t-butyl ether (E...)	0.00		0	N.D.			
21) 2,2-Dichloropropane	3.73	77	227	N.D.			
22) cis-1,2-Dichloroethene	0.00		0	N.D.			
23) Chloroform	0.00		0	N.D.			
24) 2-Butanone (MEK)	3.81	43	507	0.168	ppb	92	
25) t-Amyl methyl ether (T...)	0.00		0	N.D.			
26] 1,2-Dichloroethane (EDC)	4.52	62	72	Below Cal		98	
27) 1,1,1-Trichloroethane	0.00		0	N.D.			
28) 1,1-Dichloropropene	0.00		0	N.D.			
29) Carbon tetrachloride	0.00		0	N.D.			
31) Benzene	0.00		0	N.D.			
32] Trichloroethene	5.05	95	180	0.052	ppb #	64	
33) 1,2-Dichloropropane	5.21	63	33	N.D.			
34) Bromodichloromethane	0.00		0	N.D.			
36) Dibromomethane	0.00		0	N.D.			

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111817.D
 Acq On : 18 Nov 2022 01:38 pm
 Operator : LM
 Sample : 211213-04 1/0.25
 Misc : soil
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS13

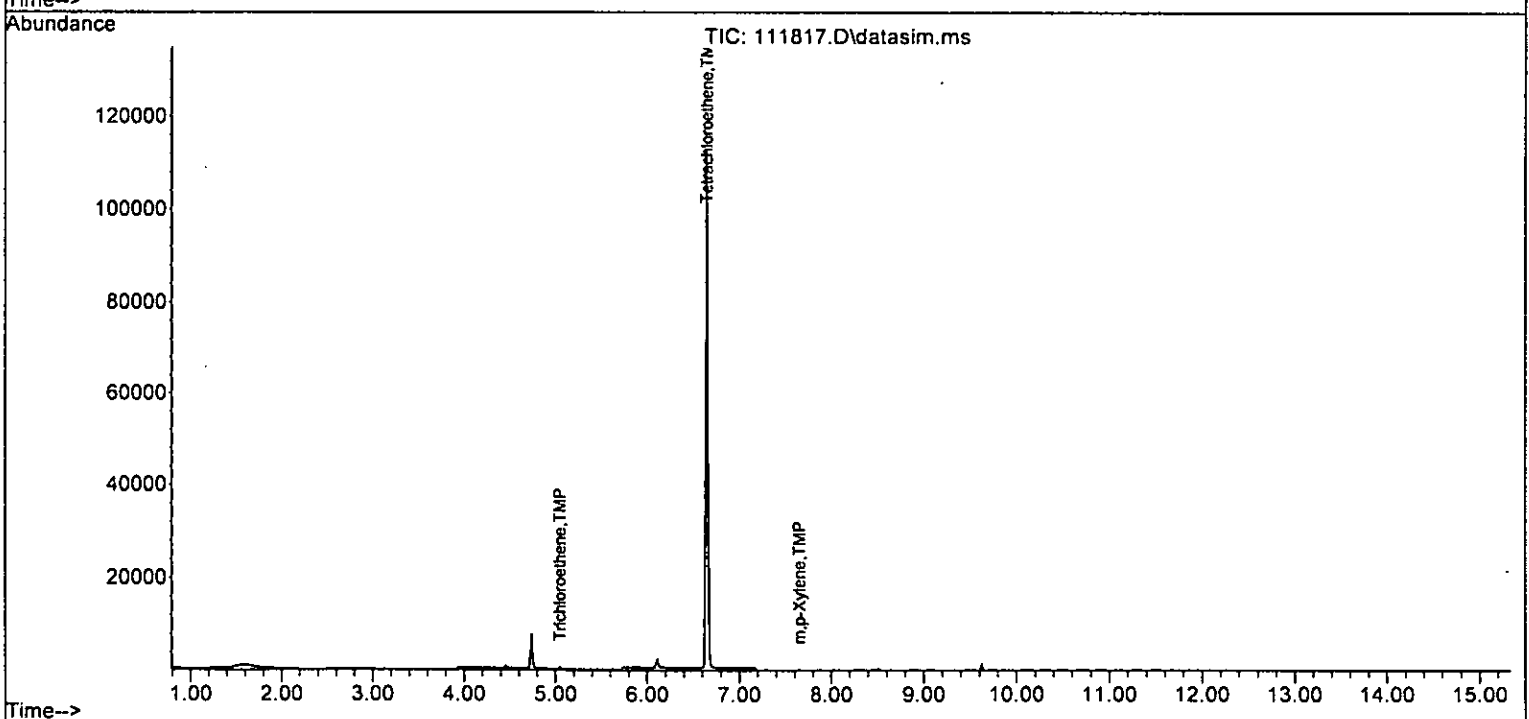
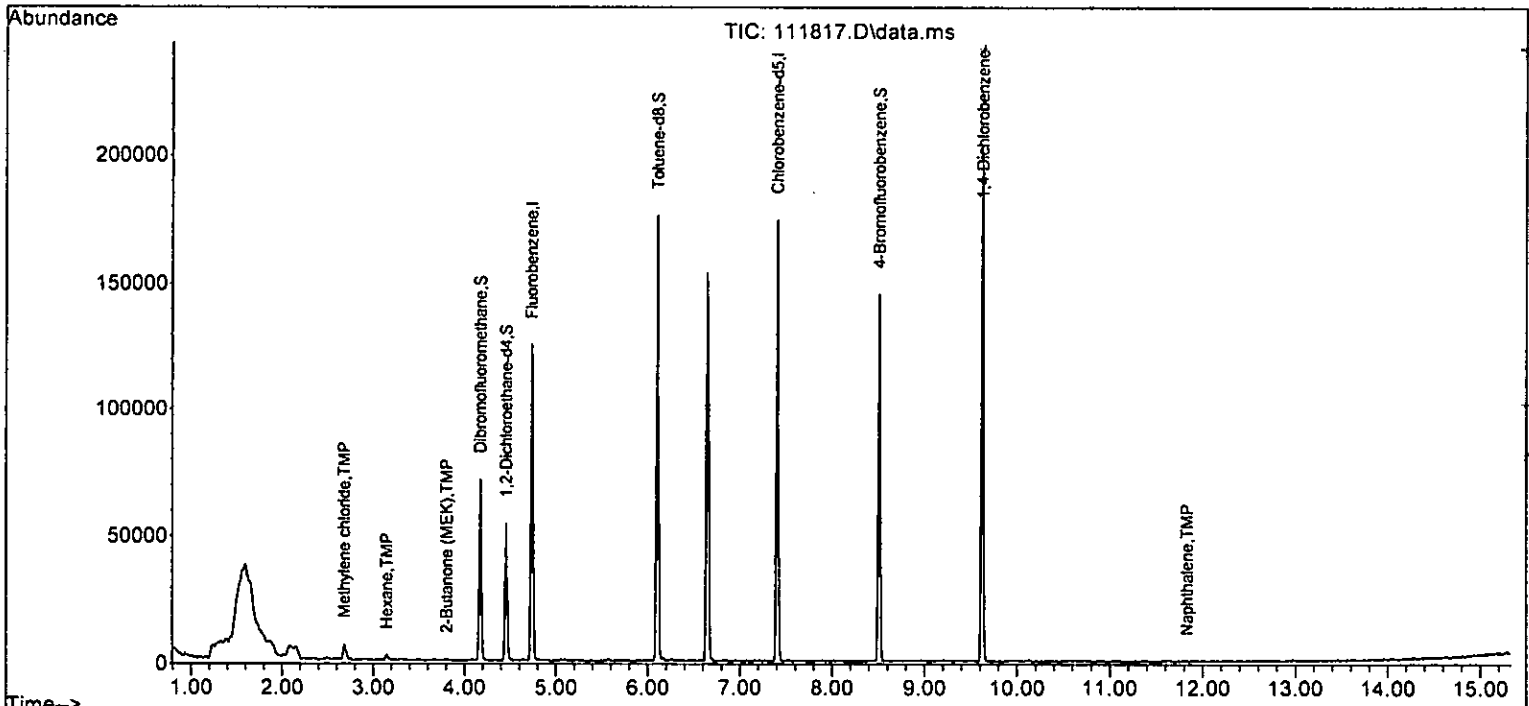
Quant Time: Nov 21 09:44:59 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.00		0		N.D.	
38) cis-1,3-Dichloropropene	0.00		0		N.D.	
40] Toluene	6.16	92	106		Below Cal	89
41) trans-1,3-Dichloropropene	0.00		0		N.D. d	
42) 1,1,2-Trichloroethane	0.00		0		N.D. d	
43) 2-Hexanone	6.76	43	90		N.D.	
44) 1,3-Dichloropropane	0.00		0		N.D.	
45] Tetrachloroethene	6.65	164	39064	11.205	ppb	93
46) Dibromochloromethane	0.00		0		N.D.	
47) 1,2-Dibromoethane (EDB)	0.00		0		N.D.	
48) Chlorobenzene	0.00		0		N.D.	
49) Ethylbenzene	7.54	91	75		N.D.	
50) 1,1,1,2-Tetrachloroethane	0.00		0		N.D.	
51] m,p-Xylene	7.65	106	74	0.014	ppb	87
52) o-Xylene	8.02	106	28		N.D.	
53) Styrene	0.00		0		N.D.	
54) Isopropylbenzene	8.38	105	67		N.D.	
55) Bromoform	0.00		0		N.D.	
58) n-Propylbenzene	0.00		0		N.D.	
59) Bromobenzene	0.00		0		N.D.	
60) 1,3,5-Trimethylbenzene	0.00		0		N.D.	
61) 1,1,2,2-Tetrachloroethane	0.00		0		N.D.	
62) 1,2,3-Trichloropropane	0.00		0		N.D. d	
63) 2-Chlorotoluene	9.03	91	26		N.D.	
64) 4-Chlorotoluene	9.03	91	26		N.D.	
65) tert-Butylbenzene	0.00		0		N.D.	
66) 1,2,4-Trimethylbenzene	9.30	105	49		N.D.	
67) sec-Butylbenzene	9.30	105	49		N.D.	
68) p-Isopropyltoluene	9.61	119	27		N.D.	
69) 1,3-Dichlorobenzene	9.57	146	21		N.D.	
70) 1,4-Dichlorobenzene	9.65	146	38		N.D.	
71) 1,2-Dichlorobenzene	0.00		0		N.D.	
72) 1,2-Dibromo-3-chloropr...	10.63	75	21		N.D.	
73) 1,2,4-Trichlorobenzene	0.00		0		N.D.	
74) Hexachlorobutadiene	0.00		0		N.D.	
75) Naphthalene	11.83	128	121	0.090	ppb	69
76) 1,2,3-Trichlorobenzene	0.00		0		N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111817.D
 Acq On : 18 Nov 2022 01:38 pm
 Operator : LM
 Sample : 211213-04 1/0.25
 Misc : soil
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS13

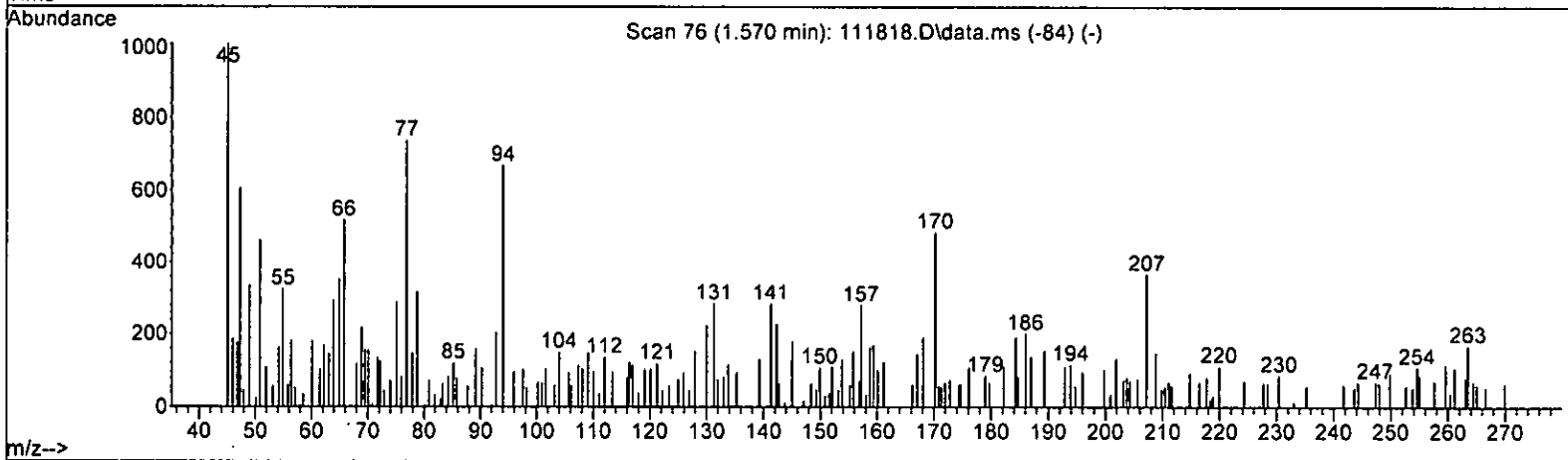
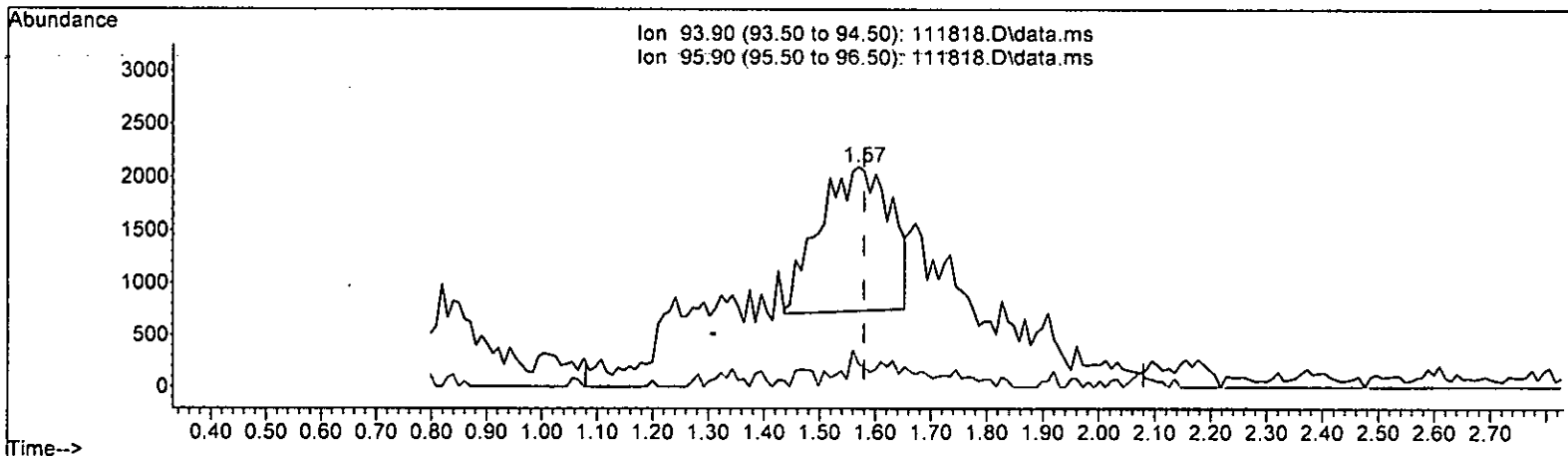
Quant Time: Nov 21 09:44:59 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111818.D
 Acq On : 18 Nov 2022 02:01 pm
 Operator : LM
 Sample : 211213-05 1/0.25
 Misc : soil
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:45:03 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



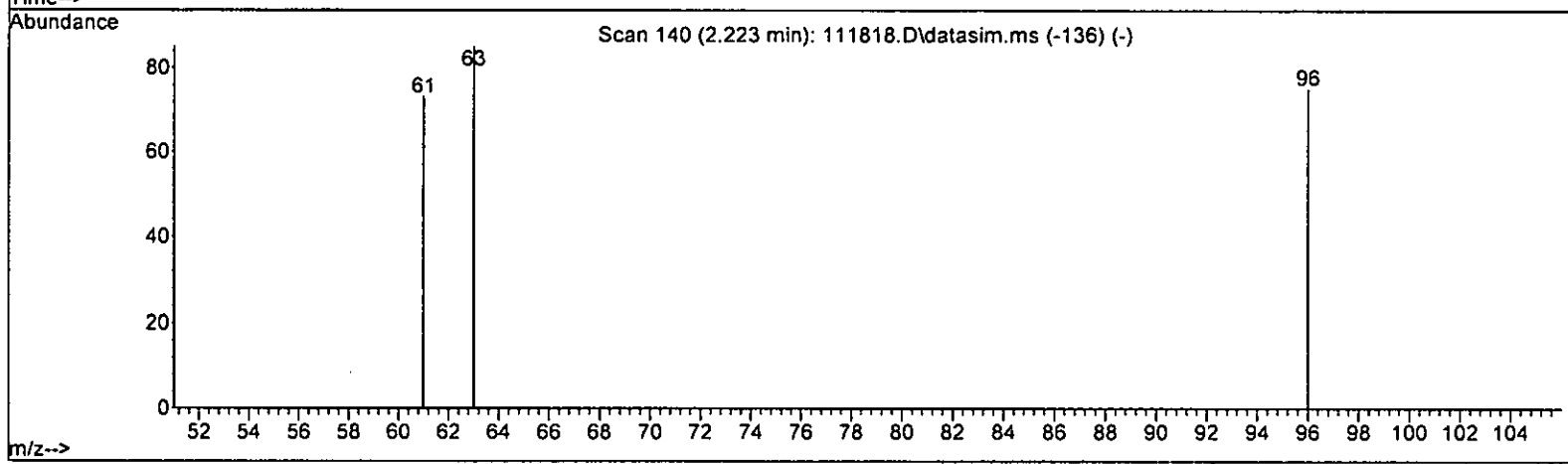
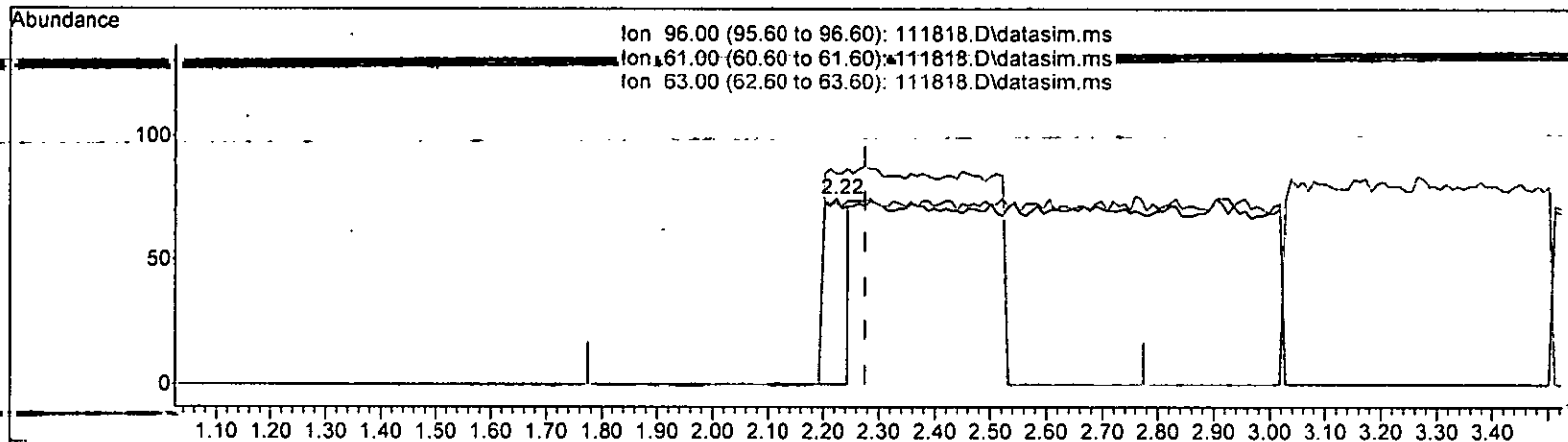
TIC: 111818.D\data.ms

(7) Bromomethane (TMP)		
response	12124	
Ion	Exp%	Act%
93.90	100.00	100.00
95.90	93.50	12.28#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111818.D
 Acq On : 18 Nov 2022 02:01 pm
 Operator : LM
 Sample : 211213-05 1/0.25
 Misc : soil
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:45:03 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 Qlast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 111818.D\data.ms

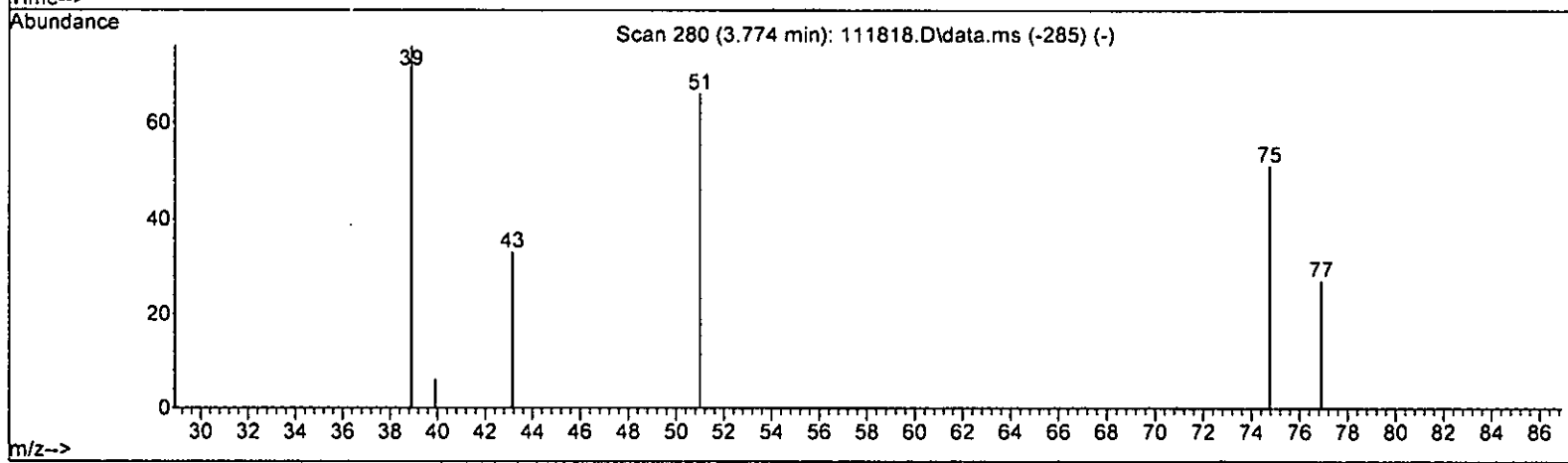
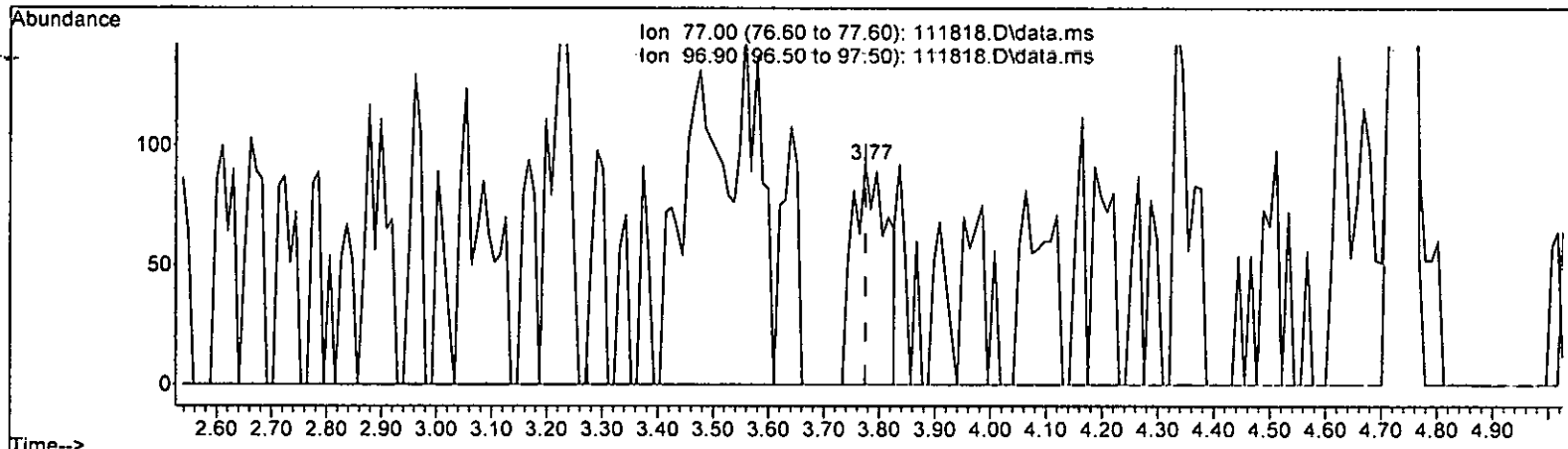
(12) 1,1-Dichloroethene (TMP)
 2.223min (-0.052) 0.081 ppb
 response 224

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	120.90	97.33
63.00	43.90	113.33#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111818.D
 Acq On : 18 Nov 2022 02:01 pm
 Operator : LM
 Sample : 211213-05 1/0.25
 Misc : soil
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:45:03 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



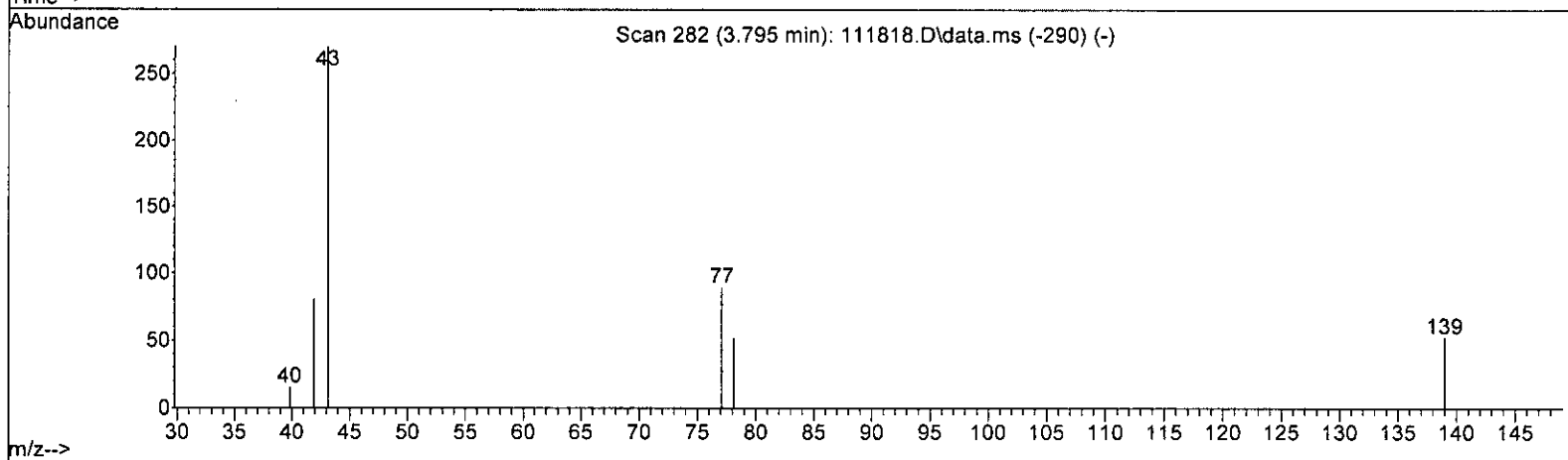
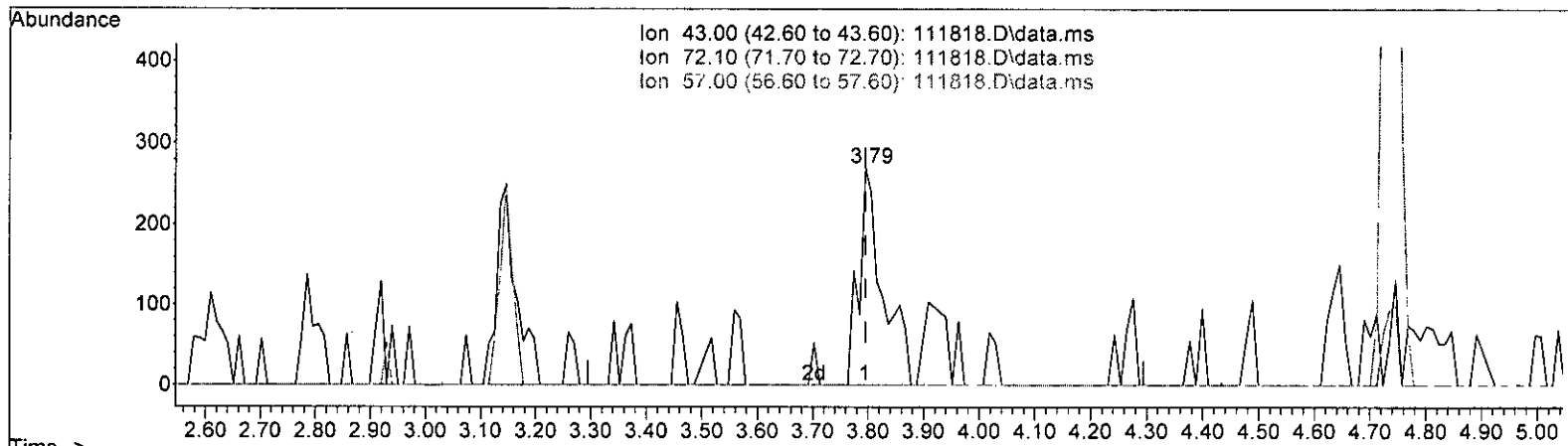
TIC: 111818.D\data.ms

(21) 2,2-Dichloropropane (TMP)		
3.774min (-0.001) 0.135 ppb		
response	400	
Ion	Exp%	Act%
77.00	100.00	100.00
96.90	26.80	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111818.D
 Acq On : 18 Nov 2022 02:01 pm
 Operator : LM
 Sample : 211213-05 1/0.25
 Misc : soil
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:45:03 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



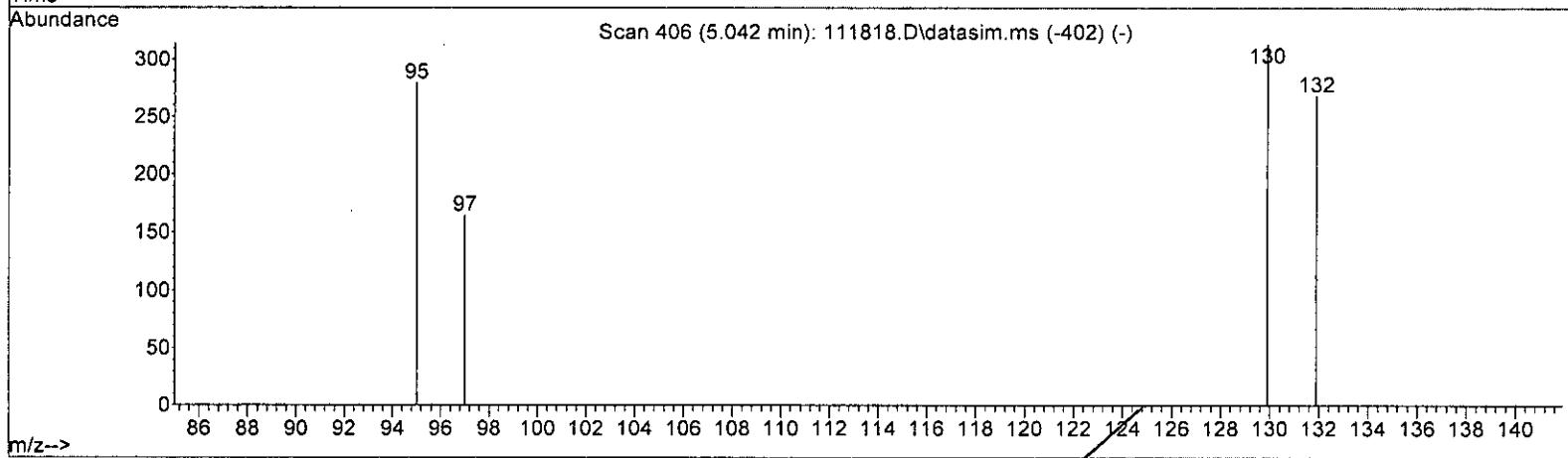
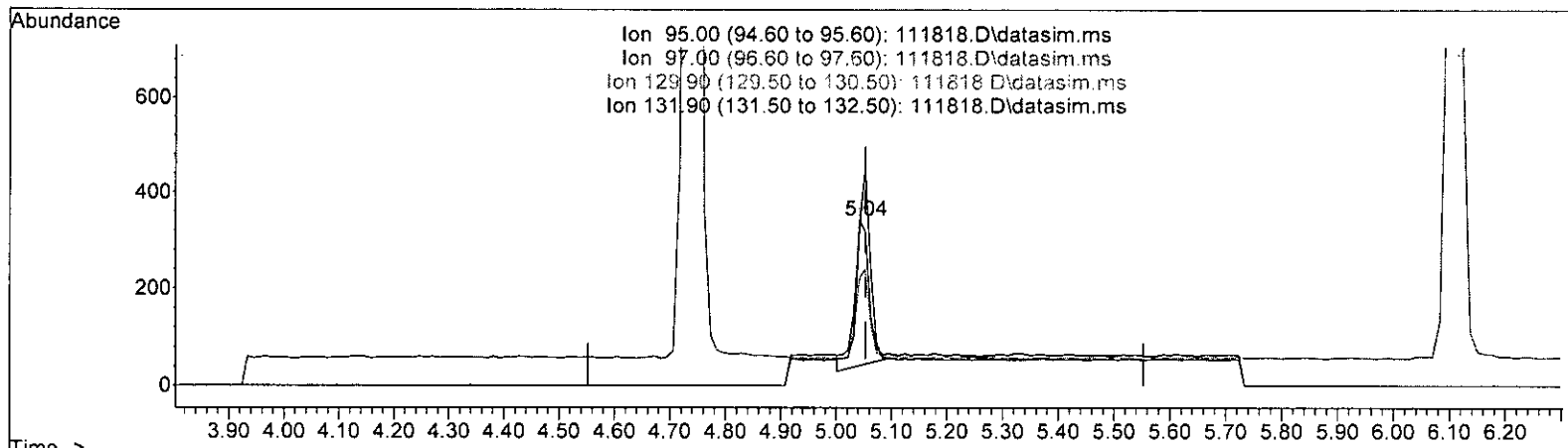
TIC: 111818.D\data.ms

Retention Time (min)	Response	Exp%	Act%
3.795min (-0.000)	808	100.00	100.00
72.10	27.00	0.00	0.00
57.00	8.00	0.00	0.00
0.00	0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111818.D
 Acq On : 18 Nov 2022 02:01 pm
 Operator : LM
 Sample : 211213-05 1/0.25
 Misc : soil
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:45:03 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



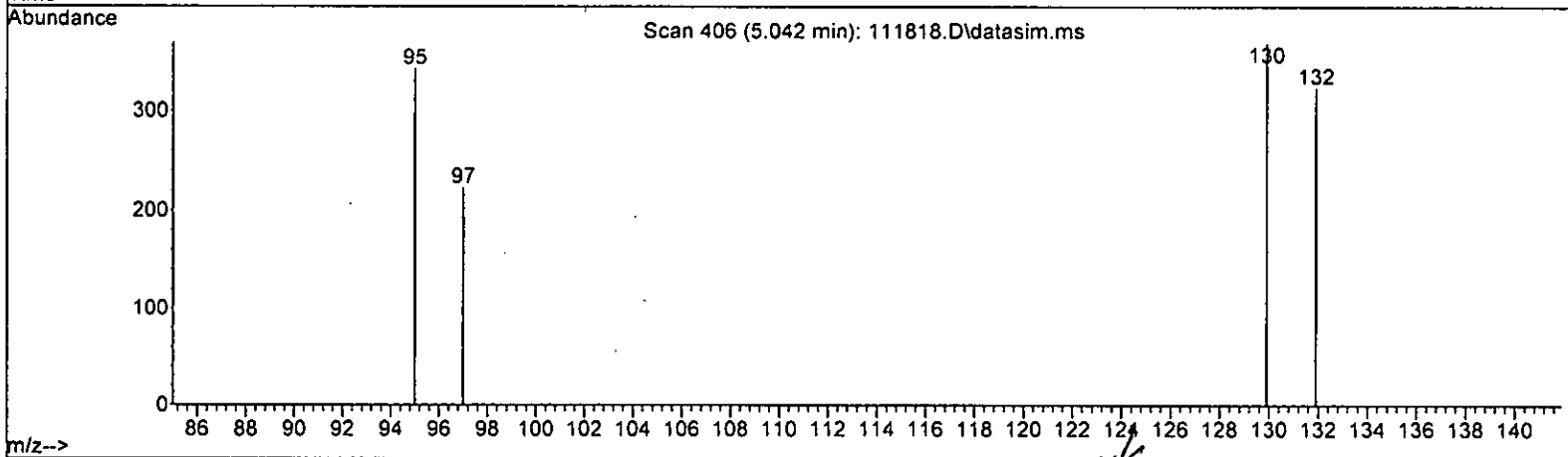
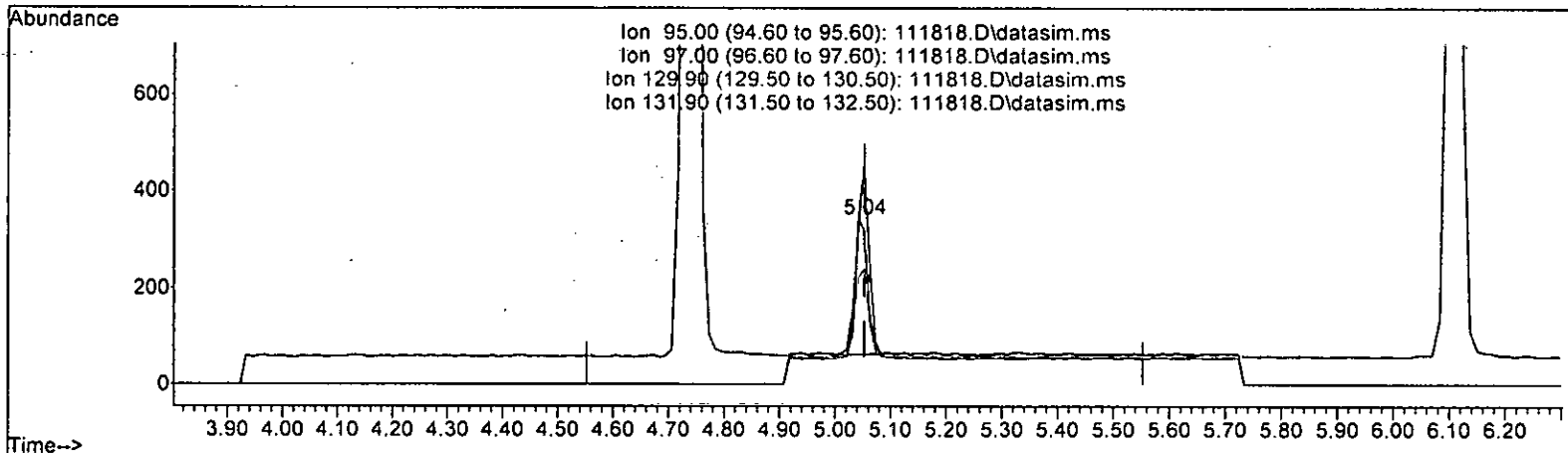
TIC: 111818.D\data.ms *W 11.21.22*

(32) Trichloroethene (TMP)			
5.042min (-0.011) 0.158 ppb			
response	562		
Ion	Exp%	Act%	
95.00	100.00	100.00	
97.00	64.60	58.78	
129.90	103.40	112.54	
131.90	95.80	96.42	

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111818.D
 Acq On : 18 Nov 2022 02:01 pm
 Operator : LM
 Sample : 211213-05 1/0.25
 Misc : soil
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:45:03 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 111818.D\data.ms *used*

11.21.22

(32) Trichloroethene (TMP)

5.042min (-0.011) 0.128 ppb m

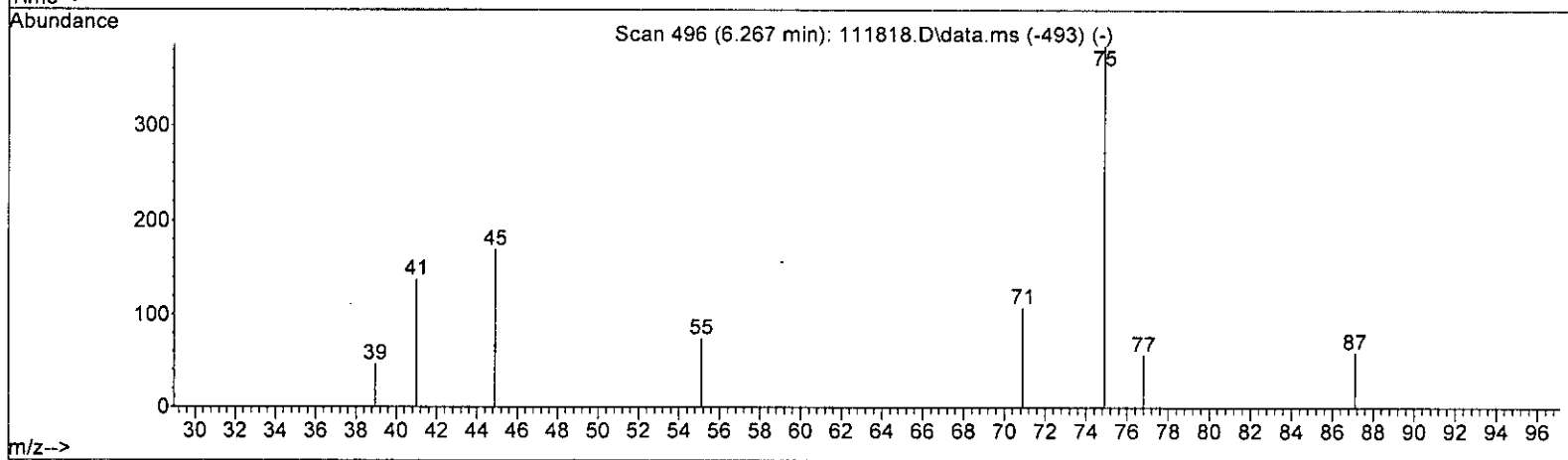
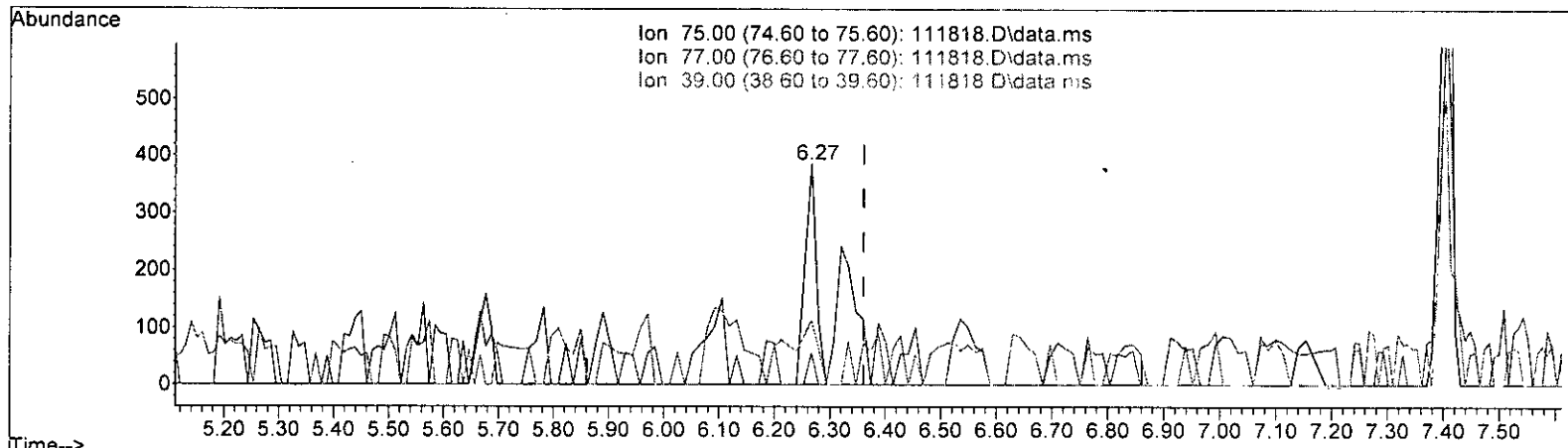
response 456

Ion	Exp%	Act%
95.00	100.00	100.00
97.00	64.60	64.91
129.90	103.40	107.89
131.90	95.80	94.44

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111818.D
 Acq On : 18 Nov 2022 02:01 pm
 Operator : LM
 Sample : 211213-05 1/0.25
 Misc : soil
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:45:03 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 111818.D\data.ms

(41) trans-1,3-Dichloropropene (TMP)

6.267min (-0.094) 0.183 ppb

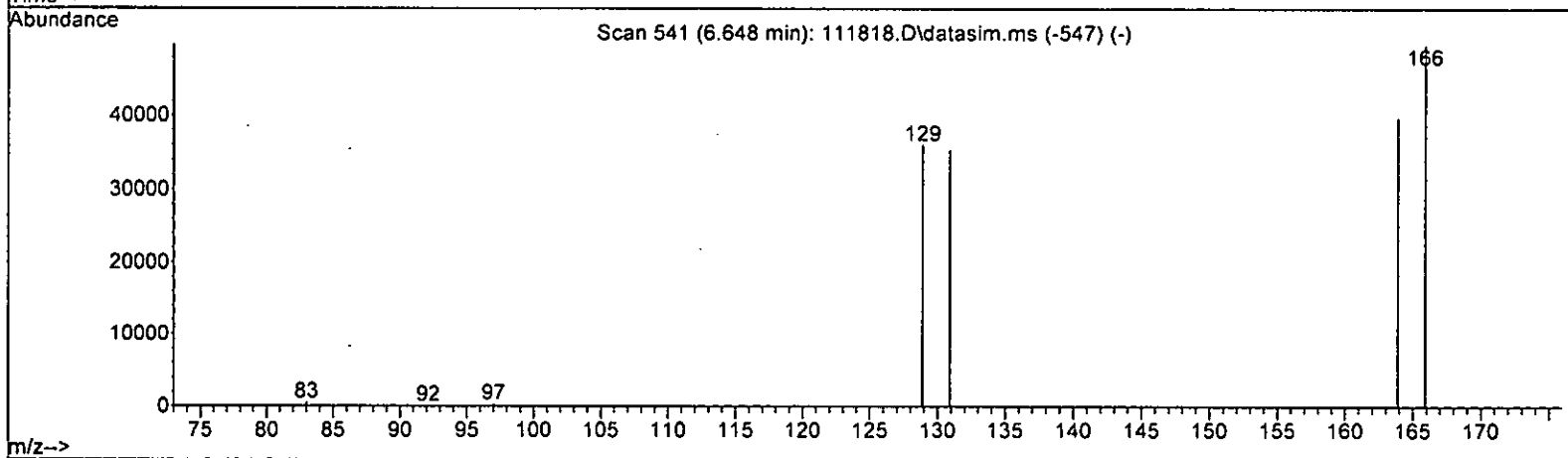
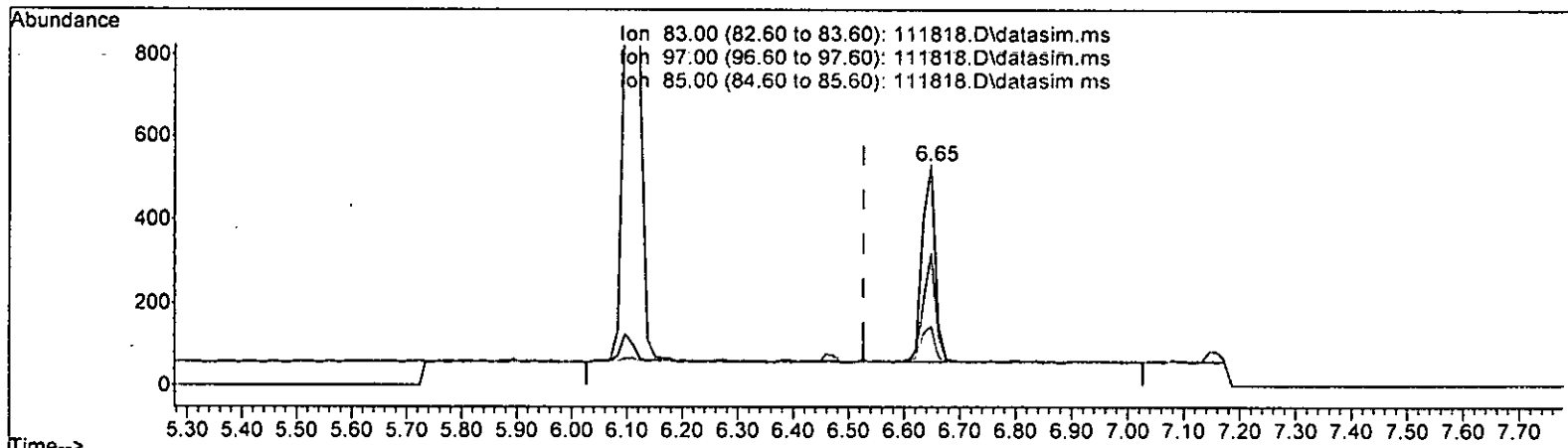
response 553

Ion	Exp%	Act%
75.00	100.00	100.00
77.00	32.60	14.55
39.00	46.30	29.61
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111818.D
 Acq On : 18 Nov 2022 02:01 pm
 Operator : LM
 Sample : 211213-05 1/0.25
 Misc : soil
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:45:03 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 111818.D\data.ms

(42) 1,1,2-Trichloroethane (TMP)

6.648min (+ 0.121) 0.317 ppb

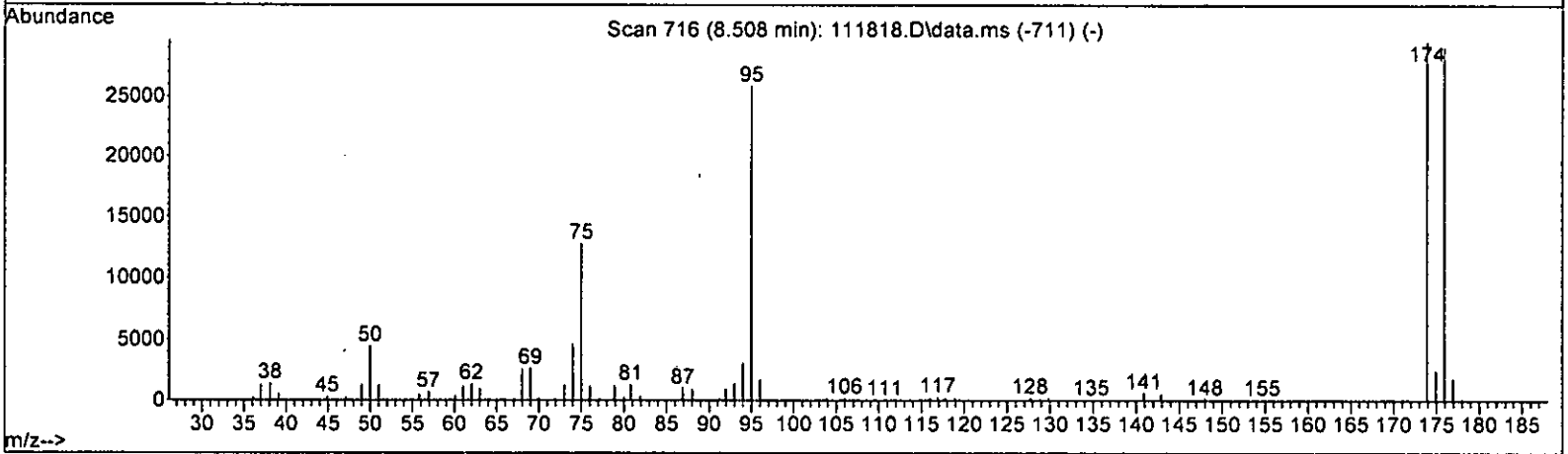
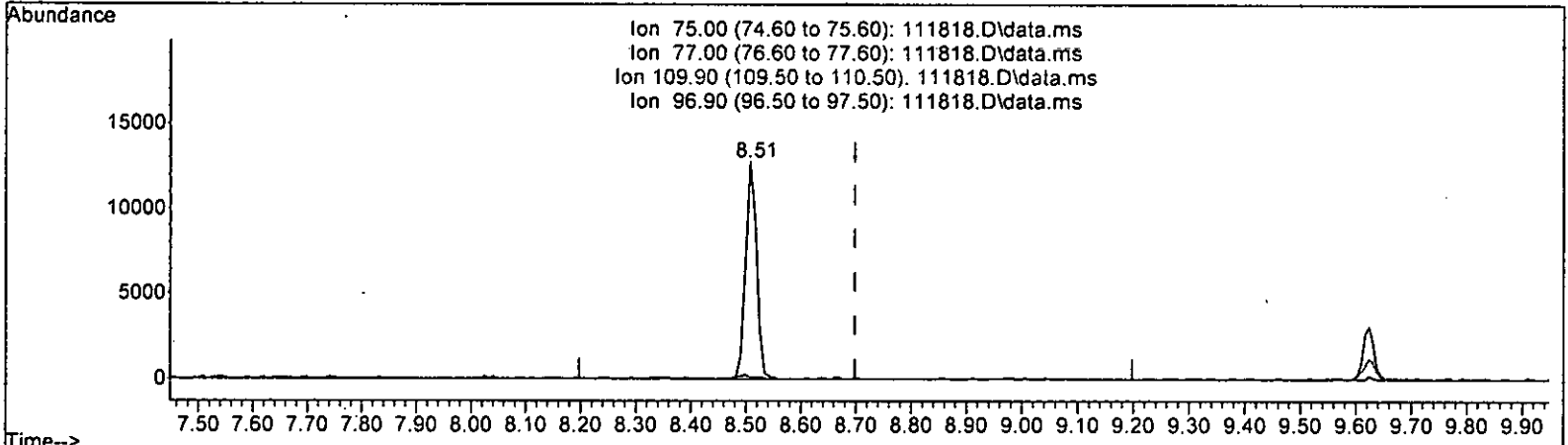
response 763

Ion	Exp%	Act%
83.00	100.00	100.00
97.00	118.00	55.08#
85.00	65.30	18.43#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111818.D
 Acq On : 18 Nov 2022 02:01 pm
 Operator : LM
 Sample : 211213-05 1/0.25
 Misc : soil
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:45:03 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 111818.D\data.ms

(62) 1,2,3-Trichloropropane (TMP)

8.508min (-0.190) 6.769 ppb

response	17448	
Ion	Exp%	Act%
75.00	100.00	100.00
77.00	34.00	0.87#
109.90	36.50	0.00#
96.90	22.60	0.00

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111818.D
 Acq On : 18 Nov 2022 02:01 pm
 Operator : LM
 Sample : 211213-05 1/0.25
 Misc : soil
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:45:03 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 Qlast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

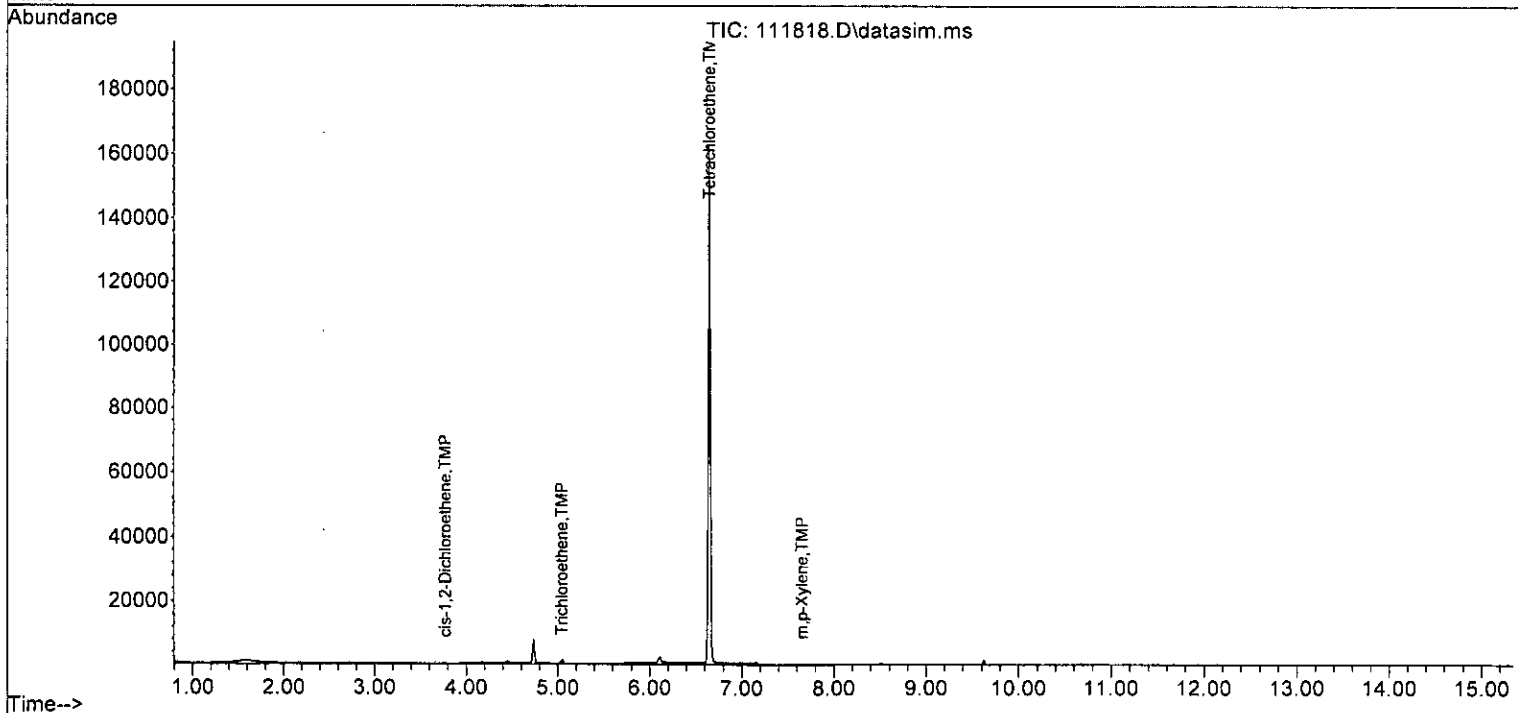
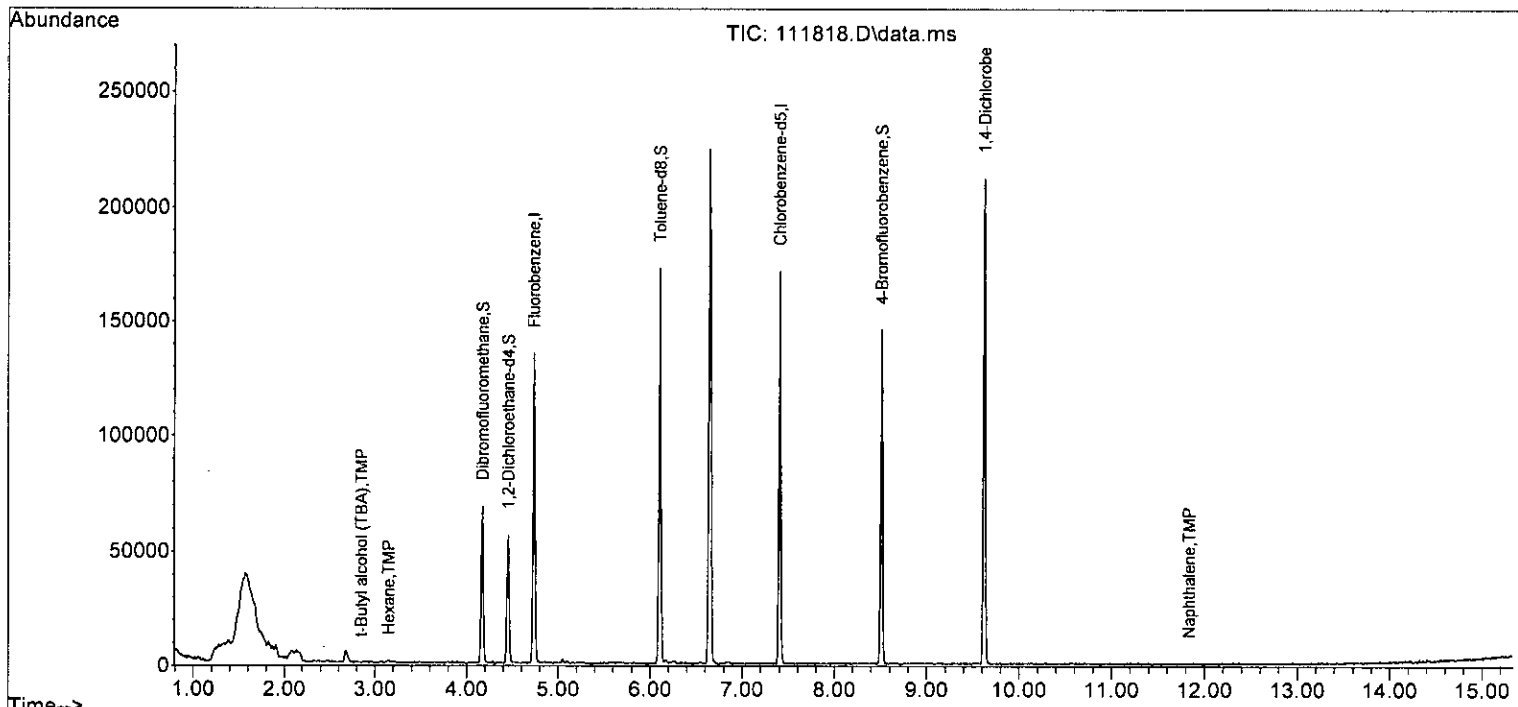
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

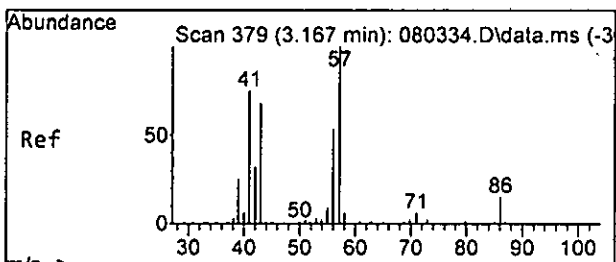
Internal Standards						
1) Fluorobenzene	4.73	96	96892	10.000	ppb	-0.01
39) Chlorobenzene-d5	7.40	117	89032	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	53018	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.18	113	32585	10.487	ppb	0.00
Spiked Amount	10.000	Range 50 - 150	Recovery	=	104.90%	
30) 1,2-Dichloroethane-d4	4.45	102	6749	11.208	ppb	0.00
Spiked Amount	10.000	Range 84 - 120	Recovery	=	112.10%	
35) Toluene-d8	6.11	98	95545	10.339	ppb	0.00
Spiked Amount	10.000	Range 73 - 128	Recovery	=	103.40%	
57) 4-Bromofluorobenzene	8.51	95	35218	9.640	ppb	0.00
Spiked Amount	10.000	Range 57 - 146	Recovery	=	96.40%	
Target Compounds						
11) Acetone	2.33	58	94	Below Cal	#	1
13) Hexane	3.15	57	411	0.131	ppb #	59
14) Methylene chloride	2.67	84	2899	Below Cal		87
15) t-Butyl alcohol (TBA)	2.85	59	32	0.138	ppb	53
22] cis-1,2-Dichloroethene	3.77	96	57	0.018	ppb #	77
26] 1,2-Dichloroethane (EDC)	4.52	62	73	Below Cal		90
32] Trichloroethene	5.04	95	456m	0.128	ppb	
40] Toluene	6.16	92	73	Below Cal		95
45] Tetrachloroethene	6.65	164	56527	16.057	ppb	93
51] m,p-Xylene	7.65	106	73	0.013	ppb #	80
75) Naphthalene	11.83	128	88	0.087	ppb	69

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111818.D
 Acq On : 18 Nov 2022 02:01 pm
 Operator : LM
 Sample : 211213-05 1/0.25
 Misc : soil
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:45:03 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

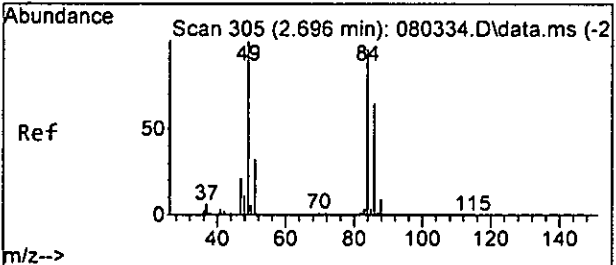
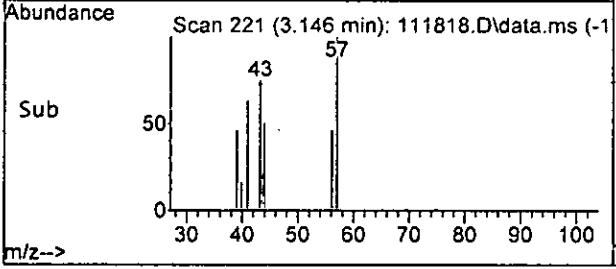
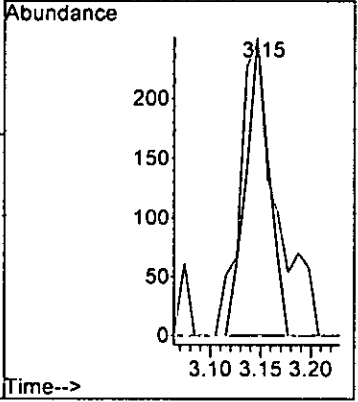
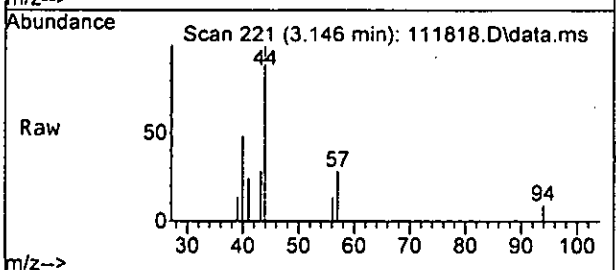




#13
 Hexane
 Concen: 0.131 ppb
 RT: 3.15 min Scan# 221
 Delta R.T. -0.011 min
 Lab File: 111818.D
 Acq: 18 Nov 2022 02:01 pm

Tgt Ion: 57 Resp: 411

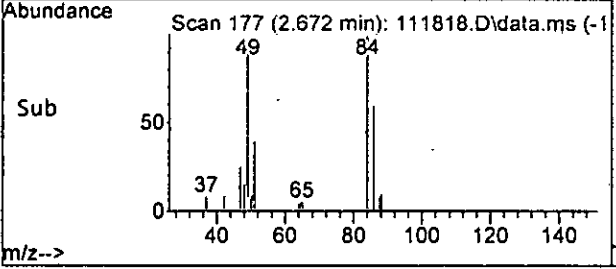
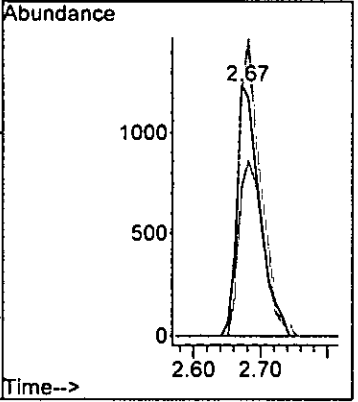
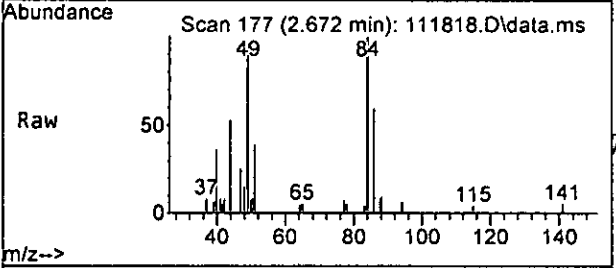
Ion	Ratio	Lower	Upper
57	100		
43	98.8	35.4	95.4#
86	0.0	0.0	44.8

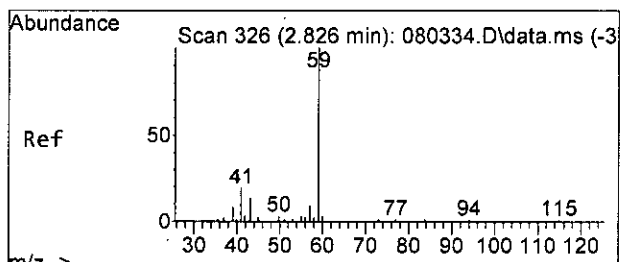


#14
 Methylene chloride
 Concen: Below Cal
 RT: 2.67 min Scan# 177
 Delta R.T. -0.010 min
 Lab File: 111818.D
 Acq: 18 Nov 2022 02:01 pm

Tgt Ion: 84 Resp: 2899

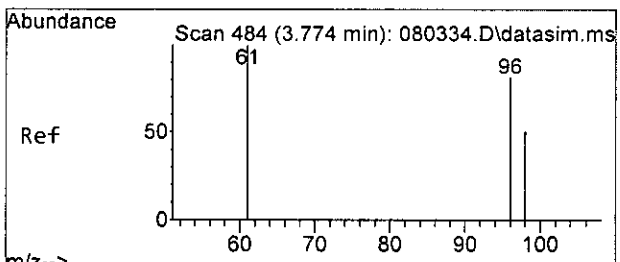
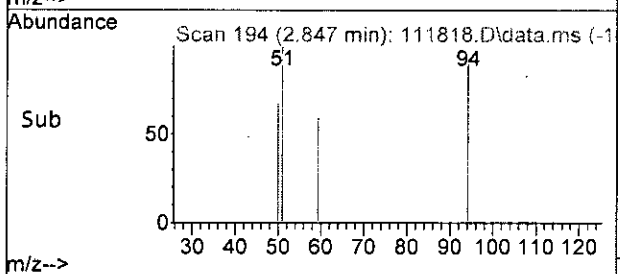
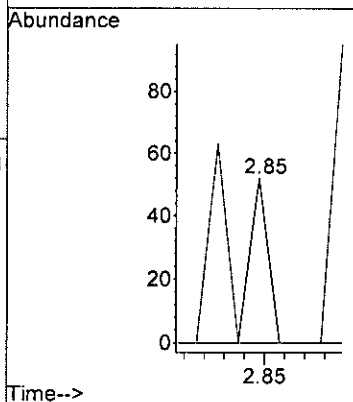
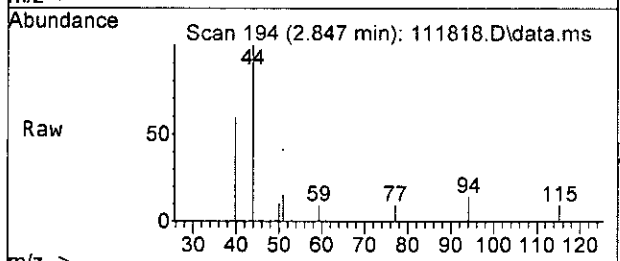
Ion	Ratio	Lower	Upper
84	100		
86	59.2	37.1	97.1
49	95.9	81.3	141.3





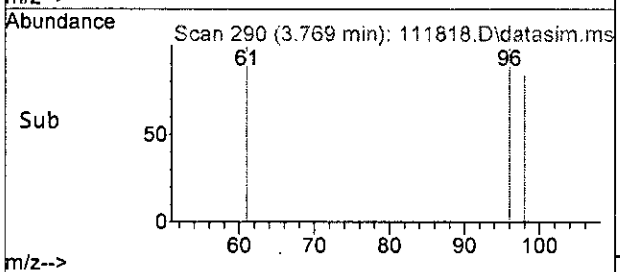
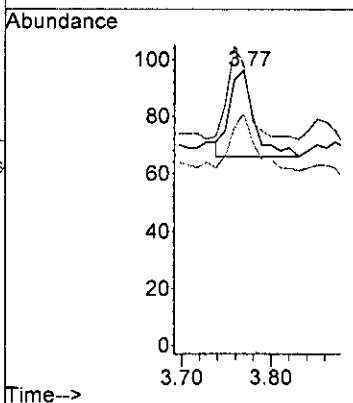
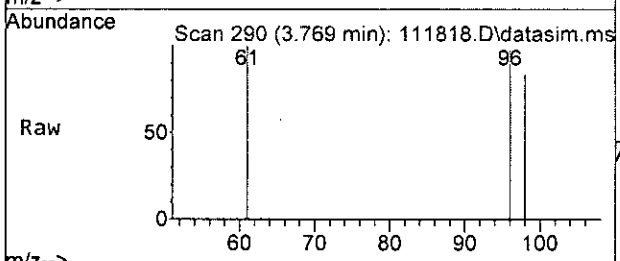
#15
 t-Butyl alcohol (TBA)
 Concen: 0.138 ppb
 RT: 2.85 min Scan# 194
 Delta R.T. 0.031 min
 Lab File: 111818.D
 Acq: 18 Nov 2022 02:01 pm

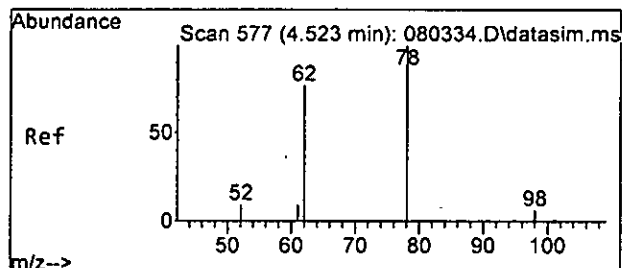
Tgt Ion: 59 Resp: 32
 Ion Ratio Lower Upper
 59 100
 41 0.0 0.0 52.9



#22
 cis-1,2-Dichloroethene
 Concen: 0.018 ppb
 RT: 3.77 min Scan# 290
 Delta R.T. 0.000 min
 Lab File: 111818.D
 Acq: 18 Nov 2022 02:01 pm

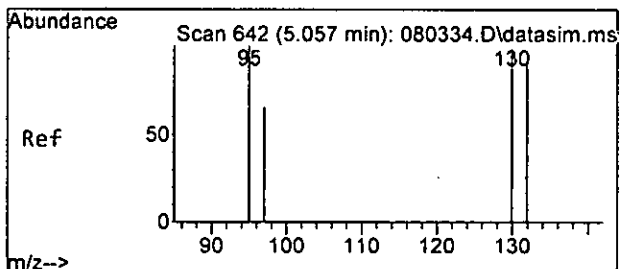
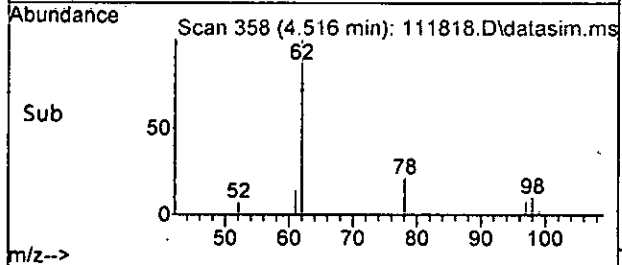
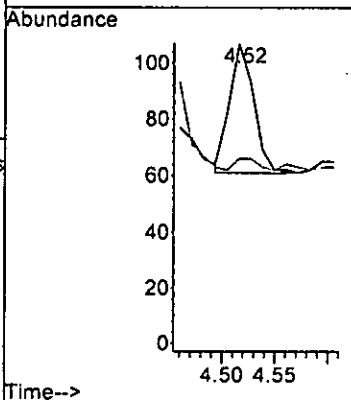
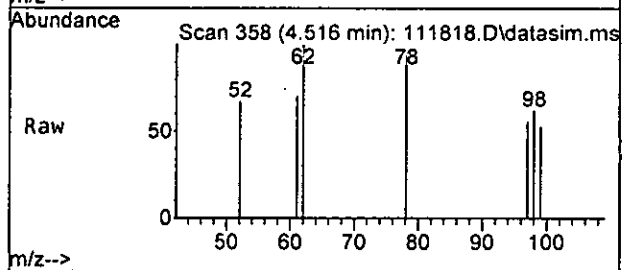
Tgt Ion: 96 Resp: 57
 Ion Ratio Lower Upper
 96 100
 61 86.7 92.3 152.3#
 98 66.7 32.0 92.0





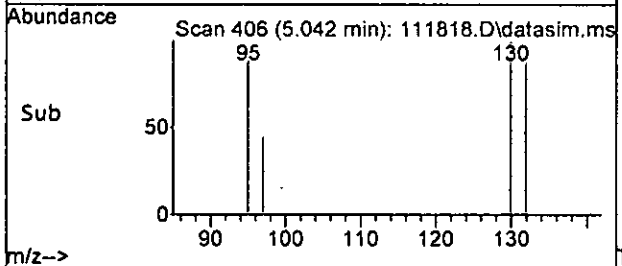
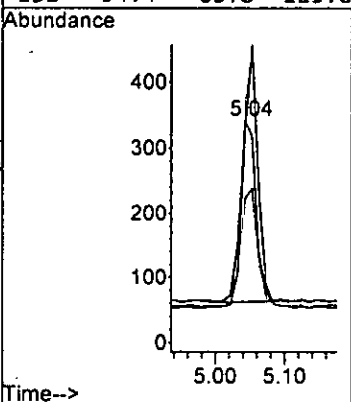
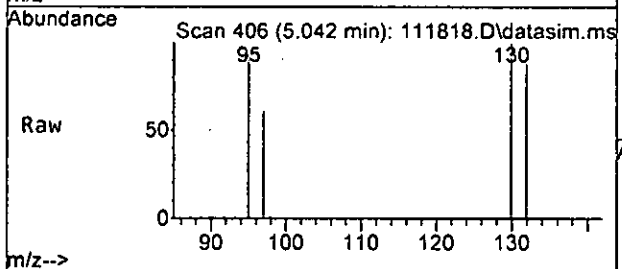
#26
 1,2-Dichloroethane (EDC)
 Concen: Below Cal
 RT: 4.52 min Scan# 358
 Delta R.T. -0.011 min
 Lab File: 111818.D
 Acq: 18 Nov 2022 02:01 pm

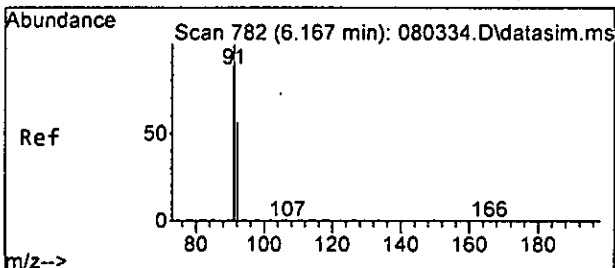
Tgt Ion: 62 Resp: 73
 Ion Ratio Lower Upper
 62 100
 98 6.5 0.0 40.1



#32
 Trichloroethene
 Concen: 0.128 ppb m
 RT: 5.04 min Scan# 406
 Delta R.T. -0.011 min
 Lab File: 111818.D
 Acq: 18 Nov 2022 02:01 pm

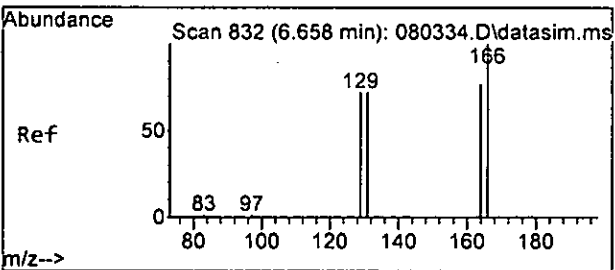
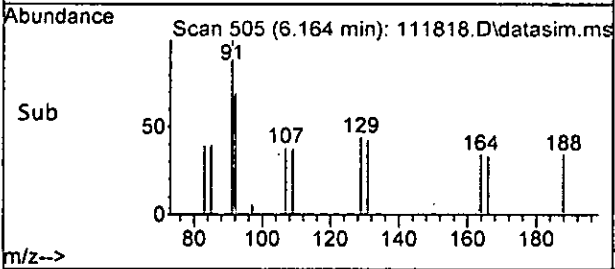
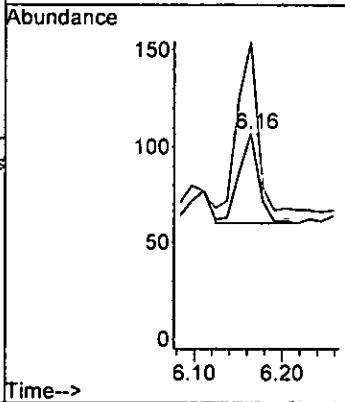
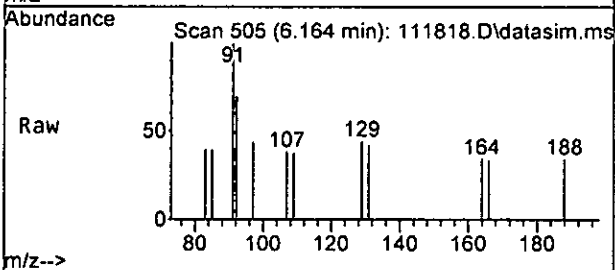
Tgt Ion: 95 Resp: 456
 Ion Ratio Lower Upper
 95 100
 97 64.9 34.6 94.6
 130 107.9 73.4 133.4
 132 94.4 65.8 125.8





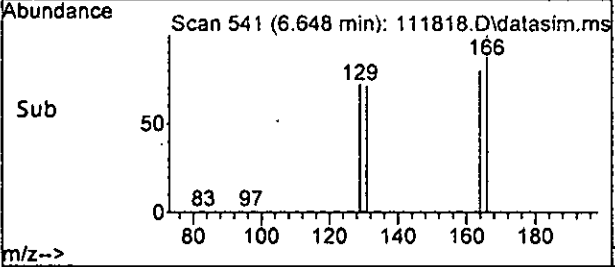
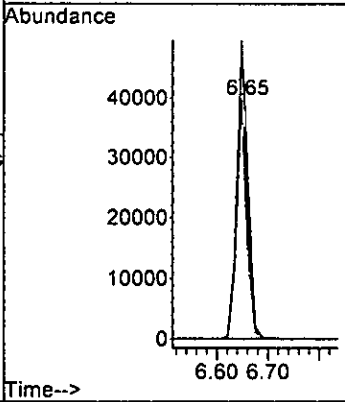
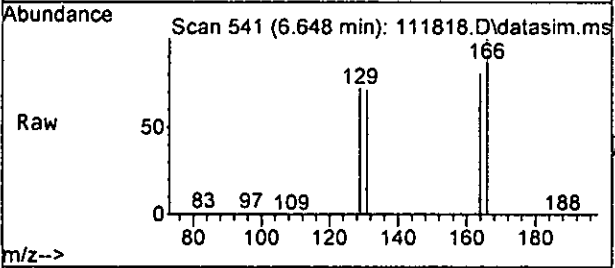
#40
 Toluene
 Concen: Below Cal
 RT: 6.16 min Scan# 505
 Delta R.T. 0.000 min
 Lab File: 111818.D
 Acq: 18 Nov 2022 02:01 pm

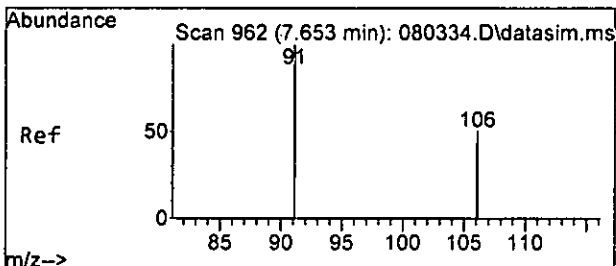
Tgt Ion: 92 Resp: 73
 Ion Ratio Lower Upper
 92 100
 91 185.1 148.5 208.5



#45
 Tetrachloroethene
 Concen: 16.057 ppb
 RT: 6.65 min Scan# 541
 Delta R.T. 0.000 min
 Lab File: 111818.D
 Acq: 18 Nov 2022 02:01 pm

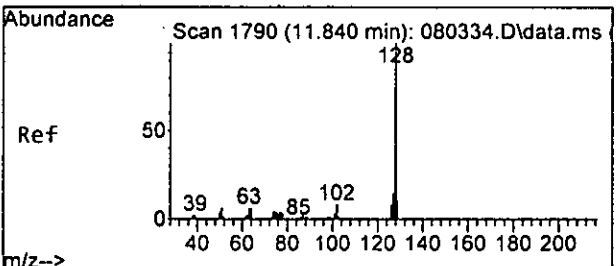
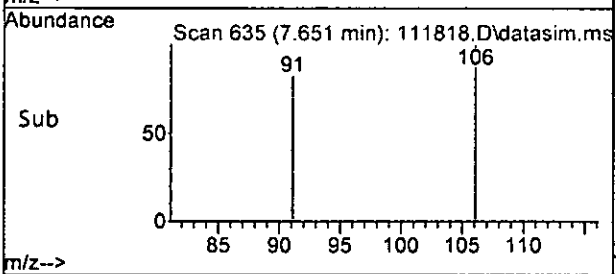
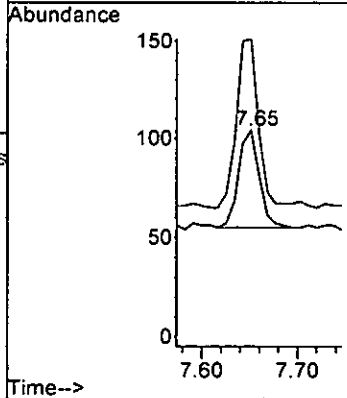
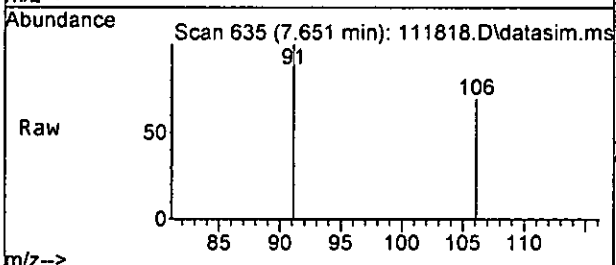
Tgt Ion: 164 Resp: 56527
 Ion Ratio Lower Upper
 164 100
 129 90.6 72.1 132.1
 131 89.0 64.8 124.8
 166 125.2 90.0 150.0





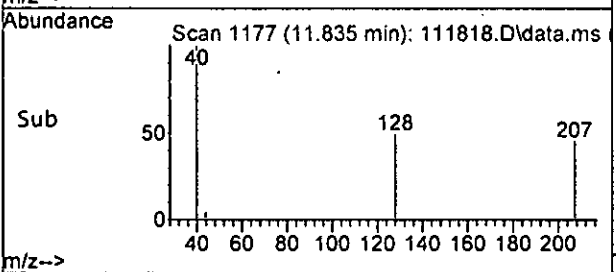
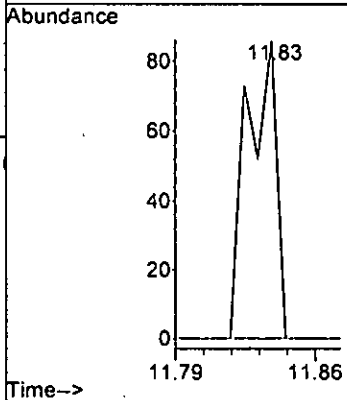
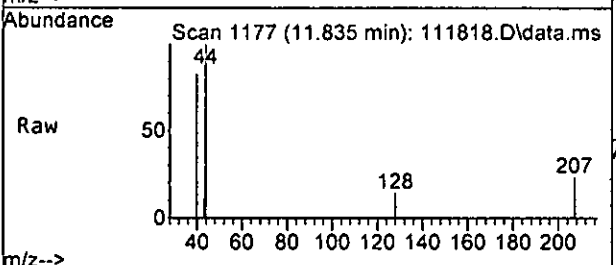
#51
 m,p-Xylene
 Concen: 0.013 ppb
 RT: 7.65 min Scan# 635
 Delta R.T. 0.000 min
 Lab File: 111818.D
 Acq: 18 Nov 2022 02:01 pm

Tgt Ion:106 Resp: 73
 Ion Ratio Lower Upper
 106 100
 91 175.5 175.7 235.7#



#75
 Naphthalene
 Concen: 0.087 ppb
 RT: 11.83 min Scan# 1177
 Delta R.T. -0.000 min
 Lab File: 111818.D
 Acq: 18 Nov 2022 02:01 pm

Tgt Ion:128 Resp: 88
 Ion Ratio Lower Upper
 128 100
 129 0.0 0.0 40.8
 127 0.0 0.0 43.1



Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111818.D
 Acq On : 18 Nov 2022 02:01 pm
 Operator : LM
 Sample : 211213-05 1/0.25
 Misc : soil
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:45:03 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

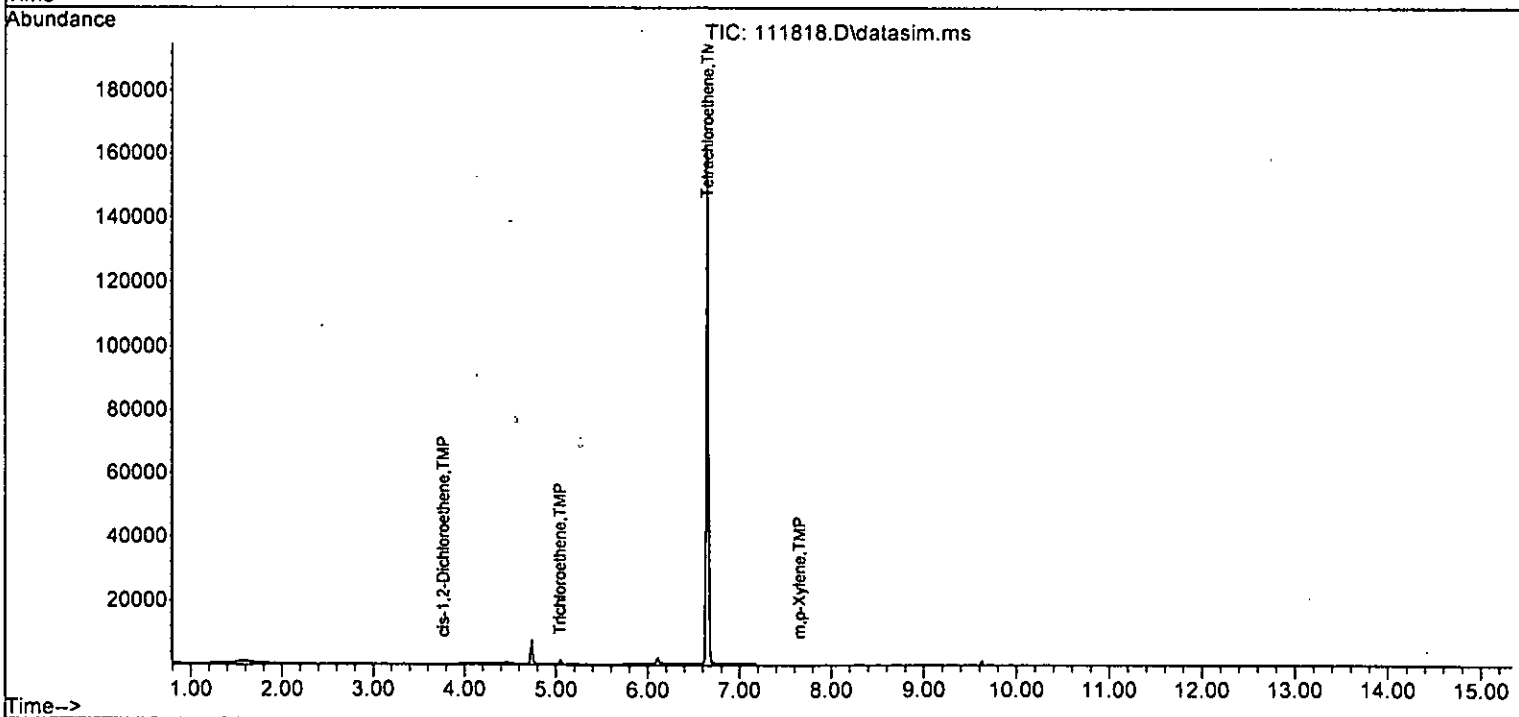
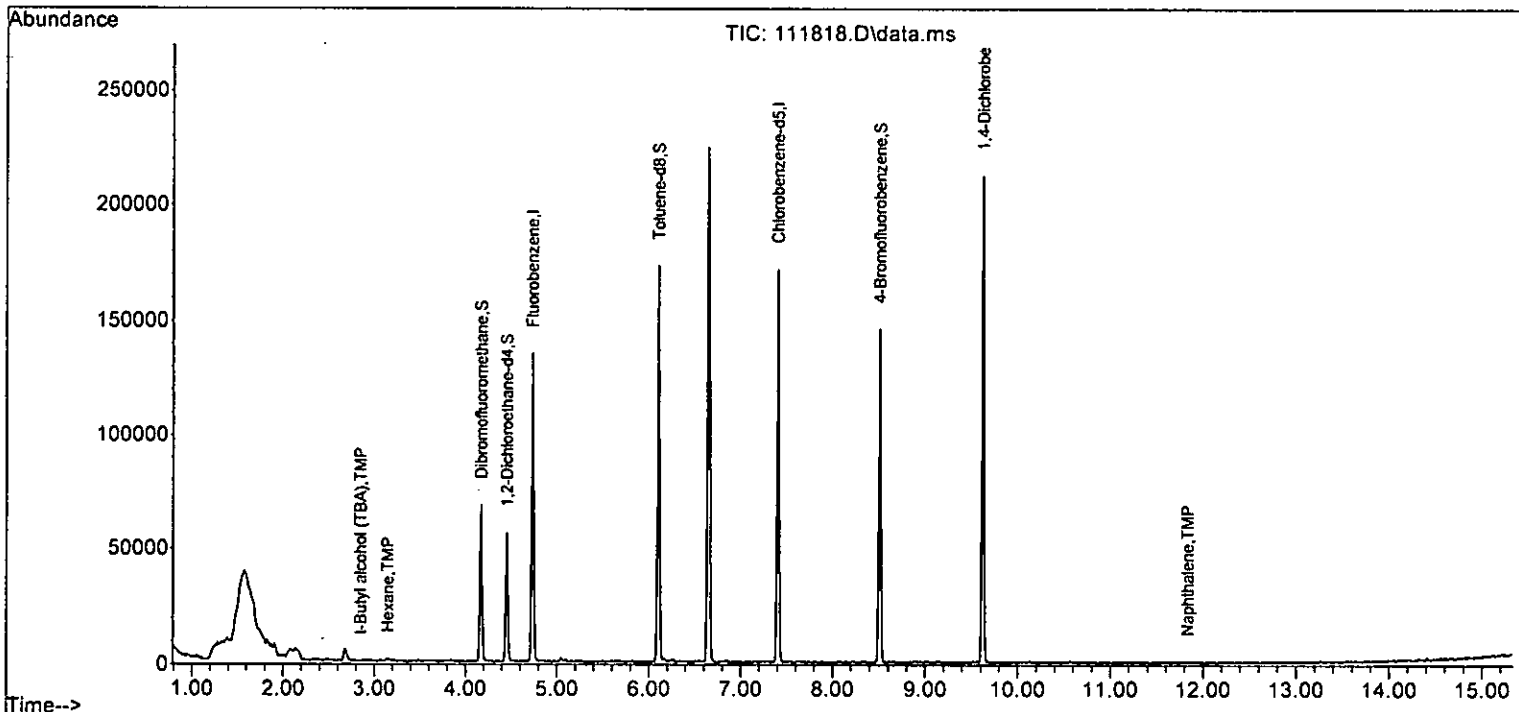
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

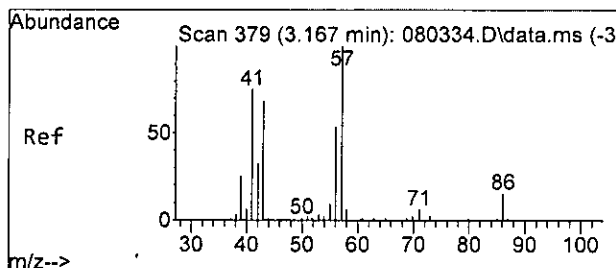
Internal Standards						
1) Fluorobenzene	4.73	96	96892	10.000	ppb	-0.01
39) Chlorobenzene-d5	7.40	117	89032	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	53018	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.18	113	32585	10.487	ppb	0.00
Spiked Amount	10.000	Range	50 - 150	Recovery	=	104.90%
30) 1,2-Dichloroethane-d4	4.45	102	6749	11.208	ppb	0.00
Spiked Amount	10.000	Range	84 - 120	Recovery	=	112.10%
35) Toluene-d8	6.11	98	95545	10.339	ppb	0.00
Spiked Amount	10.000	Range	73 - 128	Recovery	=	103.40%
57) 4-Bromofluorobenzene	8.51	95	35218	9.640	ppb	0.00
Spiked Amount	10.000	Range	57 - 146	Recovery	=	96.40%
Target Compounds						
11) Acetone	2.33	58	94	Below Cal	#	1
13) Hexane	3.15	57	411	0.131	ppb #	59
14) Methylene chloride	2.67	84	2899	Below Cal		87
15) t-Butyl alcohol (TBA)	2.85	59	32	0.138	ppb	53
22] cis-1,2-Dichloroethene	3.77	96	57	0.018	ppb #	77
26] 1,2-Dichloroethane (EDC)	4.52	62	73	Below Cal		90
32] Trichloroethene	5.04	95	456m	0.128	ppb	
40] Toluene	6.16	92	73	Below Cal		95
45] Tetrachloroethene	6.65	164	56527	16.057	ppb	93
51] m,p-Xylene	7.65	106	73	0.013	ppb #	80
75) Naphthalene	11.83	128	88	0.087	ppb	69

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111818.D
 Acq On : 18 Nov 2022 02:01 pm
 Operator : LM
 Sample : 211213-05 1/0.25
 Misc : soil
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:45:03 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

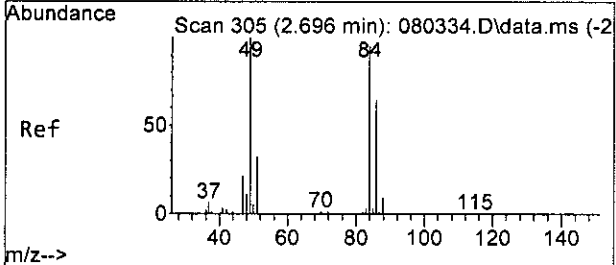
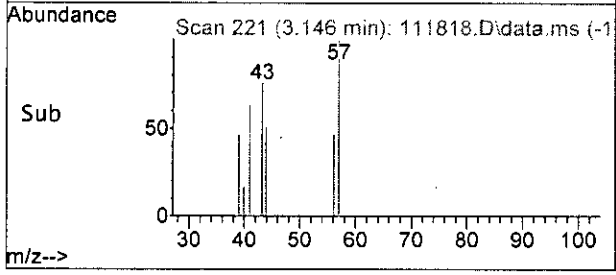
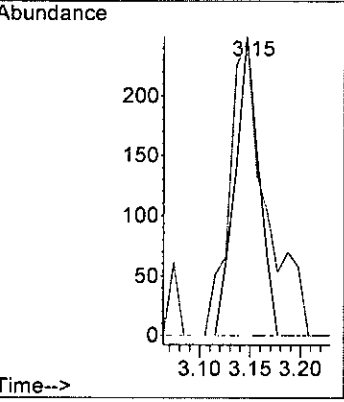
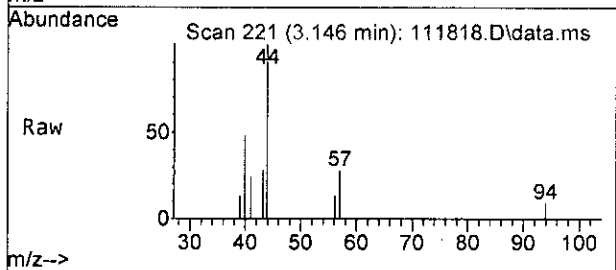




#13
 Hexane
 Concen: 0.131 ppb
 RT: 3.15 min Scan# 221
 Delta R.T. -0.011 min
 Lab File: 111818.D
 Acq: 18 Nov 2022 02:01 pm

Tgt Ion: 57 Resp: 411

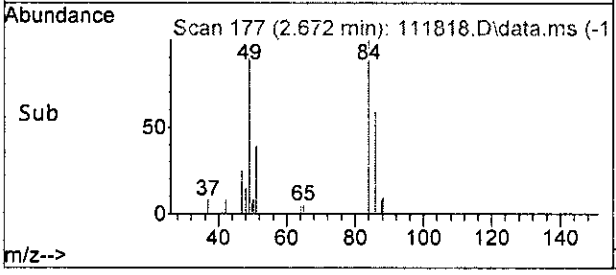
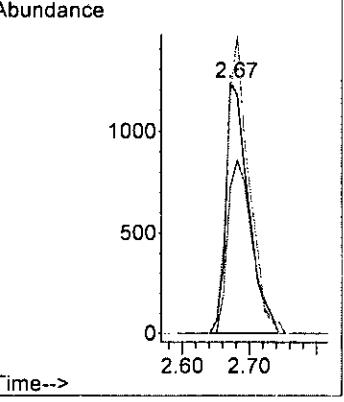
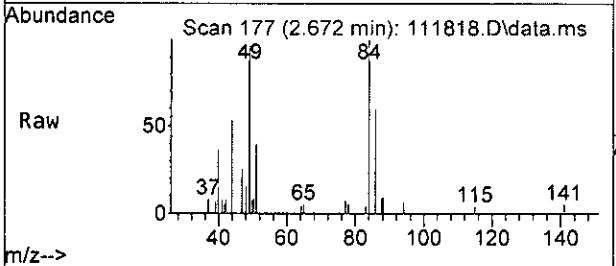
Ion	Ratio	Lower	Upper
57	100		
43	98.8	35.4	95.4#
86	0.0	0.0	44.8

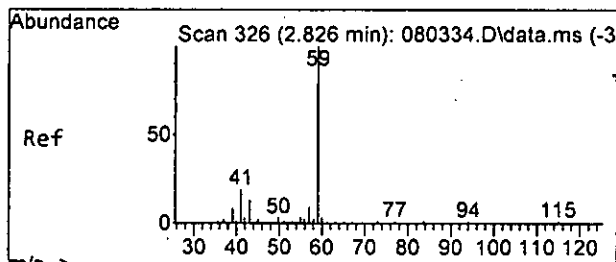


#14
 Methylene chloride
 Concen: Below Cal
 RT: 2.67 min Scan# 177
 Delta R.T. -0.010 min
 Lab File: 111818.D
 Acq: 18 Nov 2022 02:01 pm

Tgt Ion: 84 Resp: 2899

Ion	Ratio	Lower	Upper
84	100		
86	59.2	37.1	97.1
49	95.9	81.3	141.3

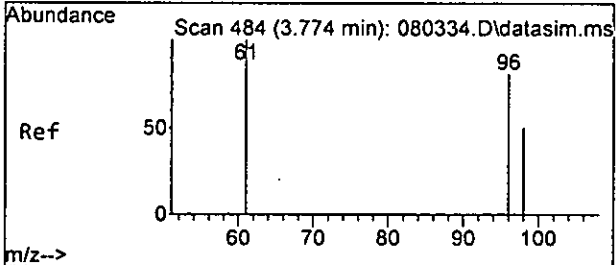
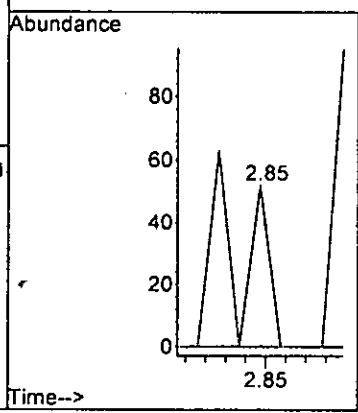
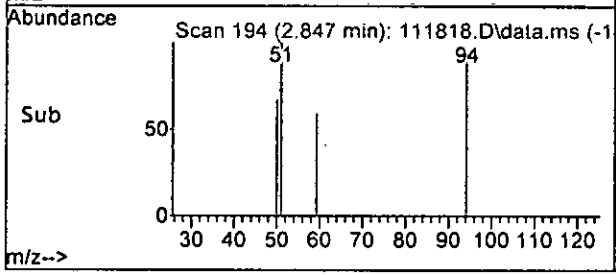
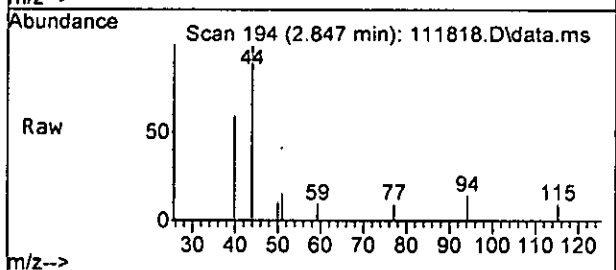




#15
 t-Butyl alcohol (TBA)
 Concen: 0.138 ppb
 RT: 2.85 min Scan# 194
 Delta R.T. 0.031 min
 Lab File: 111818.D
 Acq: 18 Nov 2022 02:01 pm

Tgt Ion: 59 Resp: 32

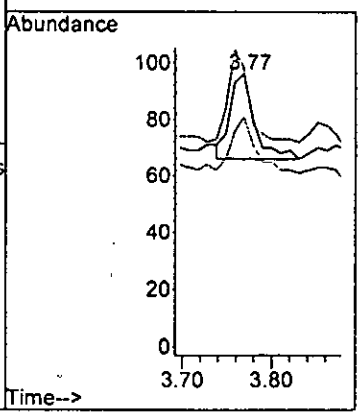
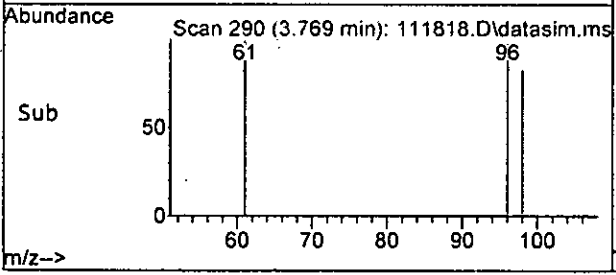
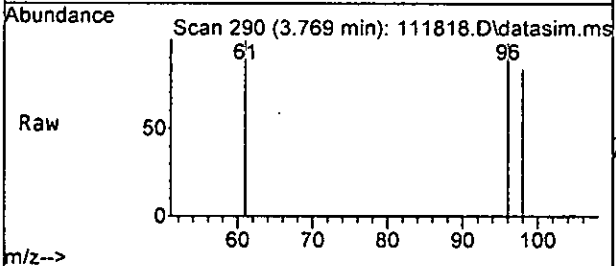
Ion	Ratio	Lower	Upper
59	100		
41	0.0	0.0	52.9

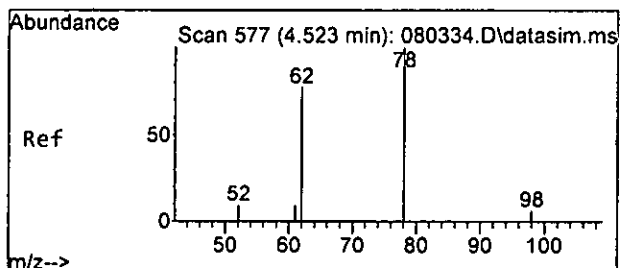


#22
 cis-1,2-Dichloroethene
 Concen: 0.018 ppb
 RT: 3.77 min Scan# 290
 Delta R.T. 0.000 min
 Lab File: 111818.D
 Acq: 18 Nov 2022 02:01 pm

Tgt Ion: 96 Resp: 57

Ion	Ratio	Lower	Upper
96	100		
61	86.7	92.3	152.3#
98	66.7	32.0	92.0

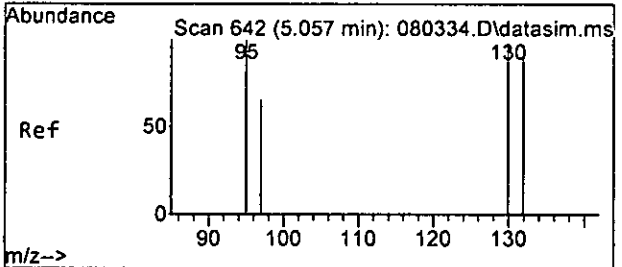
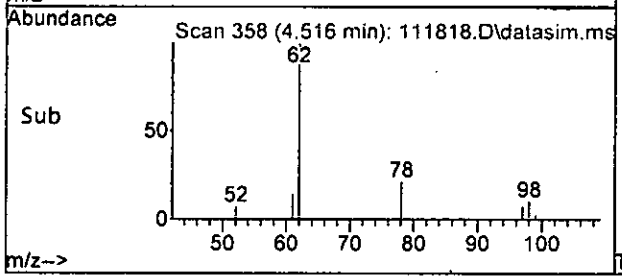
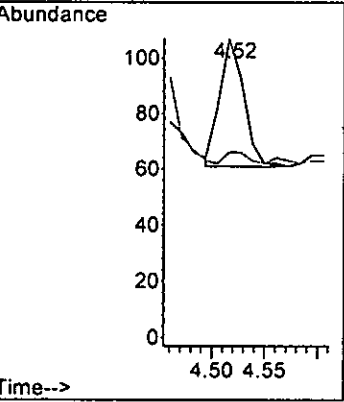
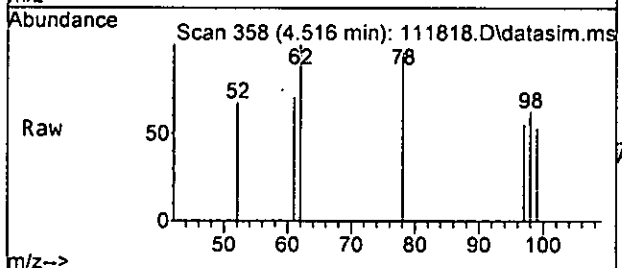




#26
 1,2-Dichloroethane (EDC)
 Concen: Below Cal
 RT: 4.52 min Scan# 358
 Delta R.T. -0.011 min
 Lab File: 111818.D
 Acq: 18 Nov 2022 02:01 pm

Tgt Ion: 62 Resp: 73

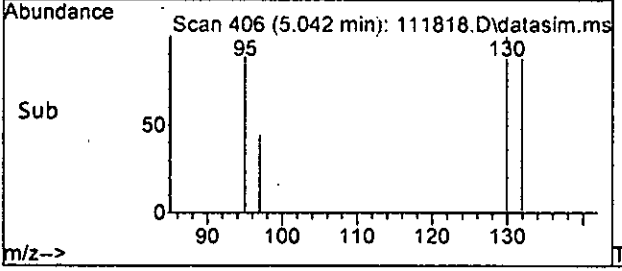
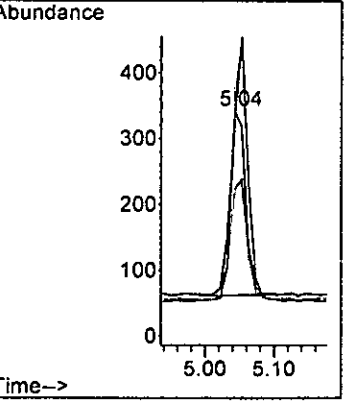
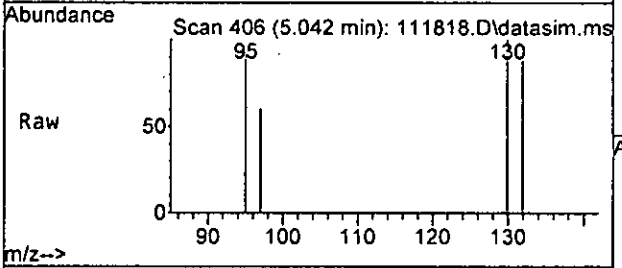
Ion	Ratio	Lower	Upper
62	100		
98	6.5	0.0	40.1

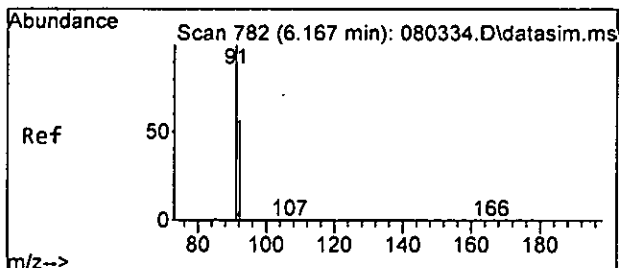


#32
 Trichloroethene
 Concen: 0.128 ppb m
 RT: 5.04 min Scan# 406
 Delta R.T. -0.011 min
 Lab File: 111818.D
 Acq: 18 Nov 2022 02:01 pm

Tgt Ion: 95 Resp: 456

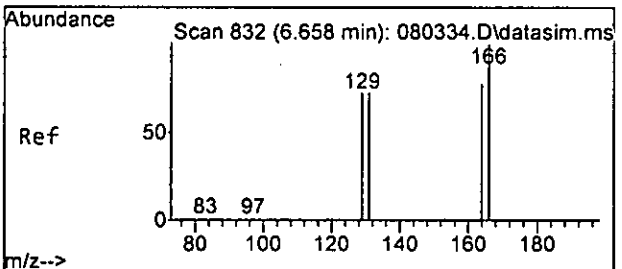
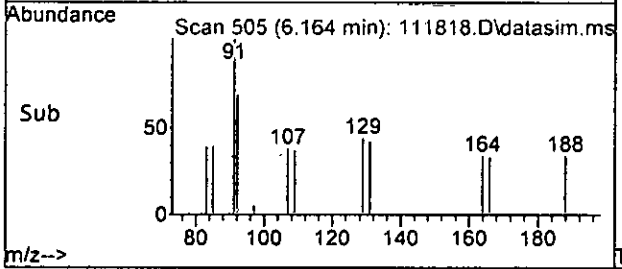
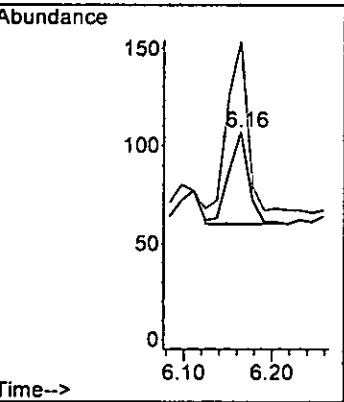
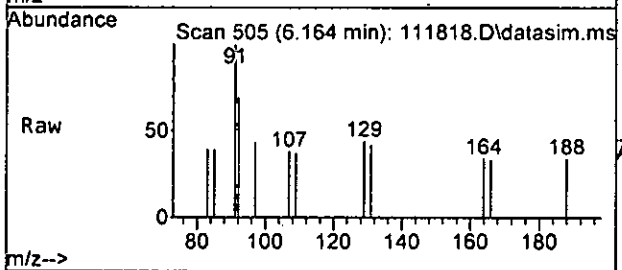
Ion	Ratio	Lower	Upper
95	100		
97	64.9	34.6	94.6
130	107.9	73.4	133.4
132	94.4	65.8	125.8





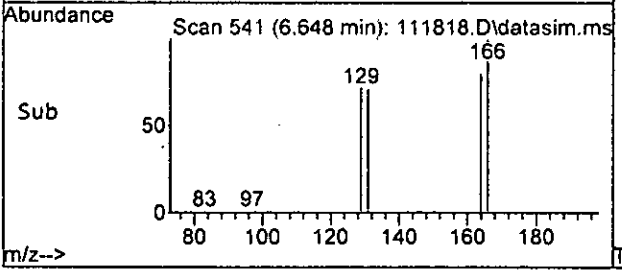
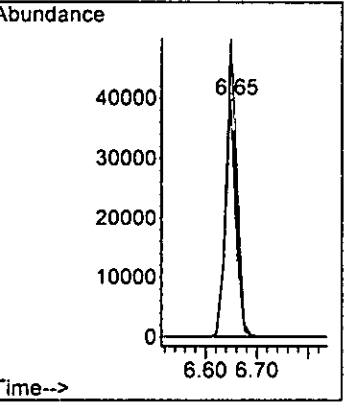
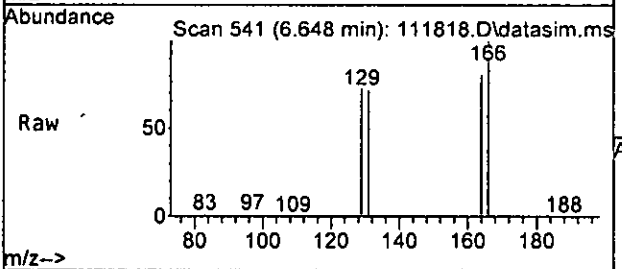
#40
 Toluene
 Concen: Below Cal
 RT: 6.16 min Scan# 505
 Delta R.T. 0.000 min
 Lab File: 111818.D
 Acq: 18 Nov 2022 02:01 pm

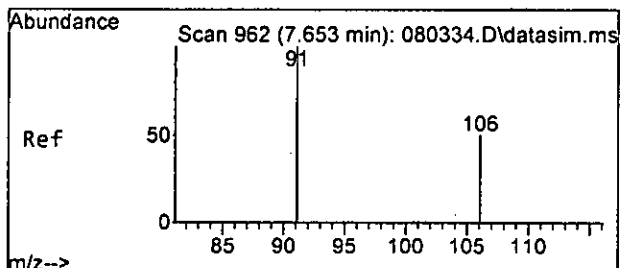
Tgt Ion	Resp	Lower	Upper
92	100		
91	185.1	148.5	208.5



#45
 Tetrachloroethene
 Concen: 16.057 ppb
 RT: 6.65 min Scan# 541
 Delta R.T. 0.000 min
 Lab File: 111818.D
 Acq: 18 Nov 2022 02:01 pm

Tgt Ion	Resp	Lower	Upper
164	100		
129	90.6	72.1	132.1
131	89.0	64.8	124.8
166	125.2	90.0	150.0

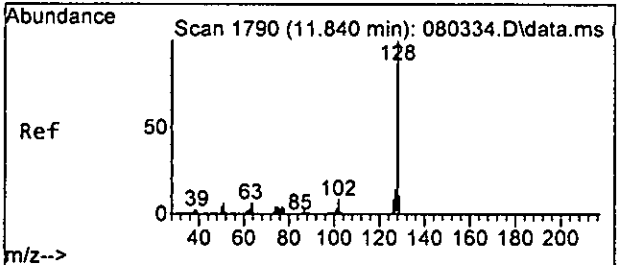
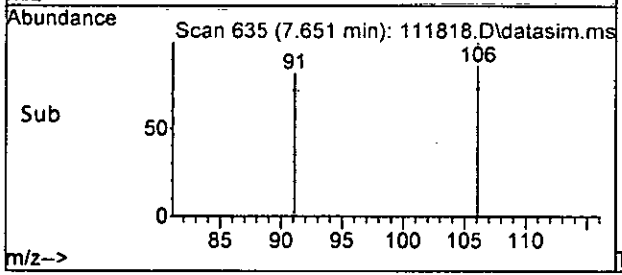
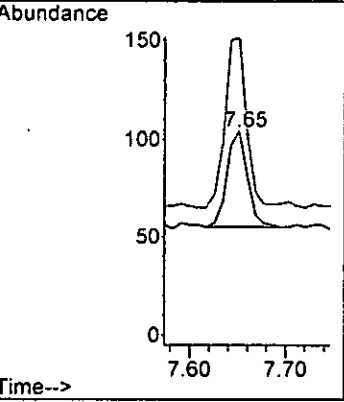
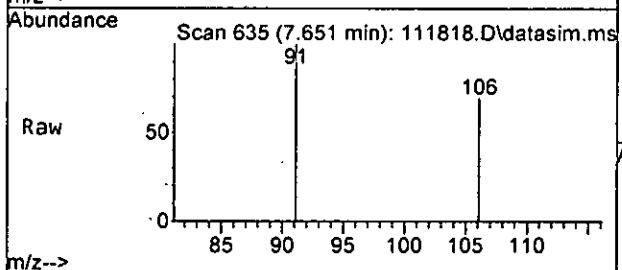




#51
 m,p-Xylene
 Concen: 0.013 ppb
 RT: 7.65 min Scan# 635
 Delta R.T. 0.000 min
 Lab File: 111818.D
 Acq: 18 Nov 2022 02:01 pm

Tgt Ion: 106 Resp: 73

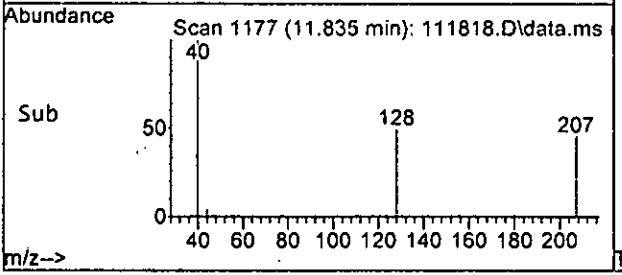
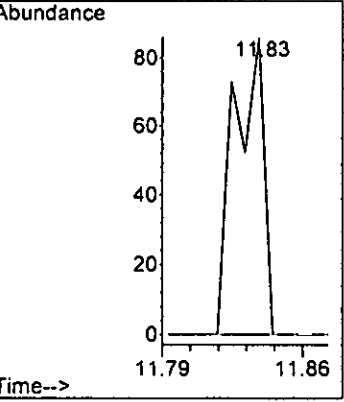
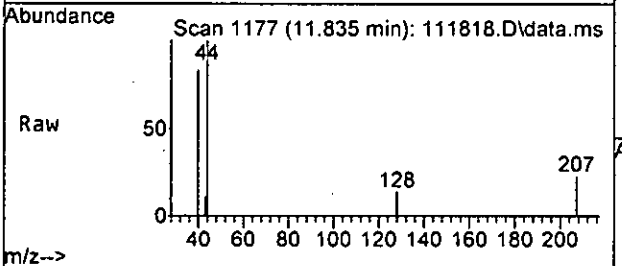
Ion	Ratio	Lower	Upper
106	100		
91	175.5	175.7	235.7#



#75
 Naphthalene
 Concen: 0.087 ppb
 RT: 11.83 min Scan# 1177
 Delta R.T. -0.000 min
 Lab File: 111818.D
 Acq: 18 Nov 2022 02:01 pm

Tgt Ion: 128 Resp: 88

Ion	Ratio	Lower	Upper
128	100		
129	0.0	0.0	40.8
127	0.0	0.0	43.1



Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111818.D
 Acq On : 18 Nov 2022 02:01 pm
 Operator : LM
 Sample : 211213-05 1/0.25
 Misc : soil
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:45:03 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) Fluorobenzene	4.73	96	96892	10.000	ppb	-0.01	
39) Chlorobenzene-d5	7.40	117	89032	10.000	ppb	0.00	
56) 1,4-Dichlorobenzene-d4	9.62	152	53018	10.000	ppb	0.00	
System Monitoring Compounds							
3) Dibromofluoromethane	4.18	113	32585	10.487	ppb	0.00	
Spiked Amount	10.000	Range	50 - 150	Recovery	=	104.90%	
30) 1,2-Dichloroethane-d4	4.45	102	6749	11.208	ppb	0.00	
Spiked Amount	10.000	Range	84 - 120	Recovery	=	112.10%	
35) Toluene-d8	6.11	98	95545	10.339	ppb	0.00	
Spiked Amount	10.000	Range	73 - 128	Recovery	=	103.40%	
57) 4-Bromofluorobenzene	8.51	95	35218	9.640	ppb	0.00	
Spiked Amount	10.000	Range	57 - 146	Recovery	=	96.40%	
Target Compounds							
2) Ethanol	2.32	45	37	No Calib			Qvalue
4) Dichlorodifluoromethane	0.00		0	N.D.			
5) Chloromethane	1.23	50	793	N.D.			
6) Vinyl chloride	0.00		0	N.D.			
7) Bromomethane	0.00		0	N.D. d			
8) Chloroethane	0.00		0	N.D.			
9) Trichlorofluoromethane	0.00		0	N.D.			
10) 2-Propanol	2.32	45	37	No Calib	#		
11) Acetone	2.33	58	94	Below Cal	#	1	
12) 1,1-Dichloroethene	0.00		0	N.D. d			
13) Hexane	3.15	57	411	0.131	ppb #	59	
14) Methylene chloride	2.67	84	2899	Below Cal		87	
15) t-Butyl alcohol (TBA)	2.85	59	32	0.138	ppb	53	
16) Methyl t-butyl ether (...)	0.00		0	N.D.			
17) trans-1,2-Dichloroethene	0.00		0	N.D.			
18) Diisopropyl ether (DIPE)	0.00		0	N.D.			
19) 1,1-Dichloroethane	0.00		0	N.D.			
20) Ethyl t-butyl ether (E...)	0.00		0	N.D.			
21) 2,2-Dichloropropane	0.00		0	N.D. d			
22] cis-1,2-Dichloroethene	3.77	96	57	0.018	ppb #	77	
23) Chloroform	0.00		0	N.D.			
24) 2-Butanone (MEK)	0.00		0	N.D. d			
25) t-Amyl methyl ether (T...)	0.00		0	N.D.			
26] 1,2-Dichloroethane (EDC)	4.52	62	73	Below Cal		90	
27) 1,1,1-Trichloroethane	0.00		0	N.D.			
28) 1,1-Dichloropropene	0.00		0	N.D.			
29) Carbon tetrachloride	0.00		0	N.D.			
31) Benzene	0.00		0	N.D.			
32] Trichloroethene	5.04	95	456m	0.128	ppb		
33) 1,2-Dichloropropane	0.00		0	N.D.			
34) Bromodichloromethane	0.00		0	N.D.			
36) Dibromomethane	0.00		0	N.D.			

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111818.D
 Acq On : 18 Nov 2022 02:01 pm
 Operator : LM
 Sample : 211213-05 1/0.25
 Misc : soil
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS13

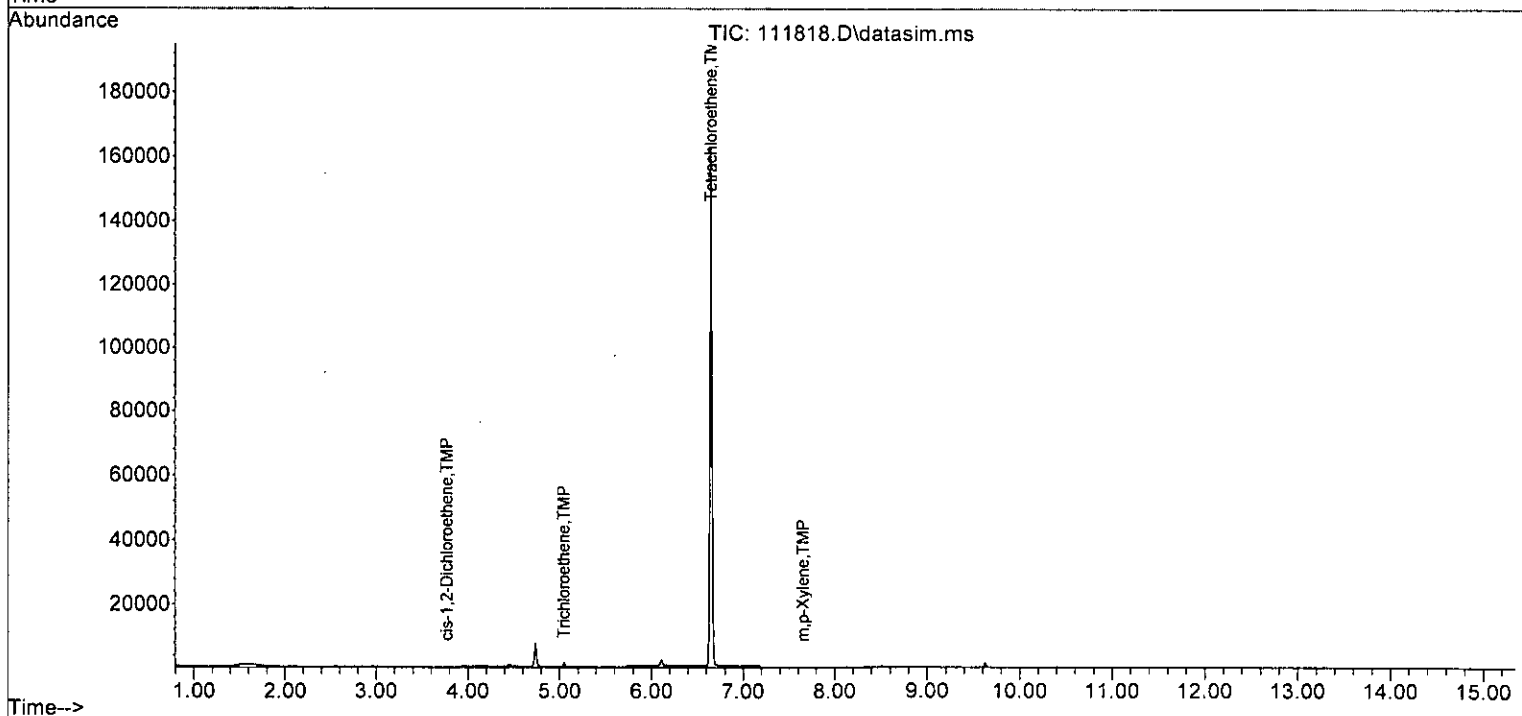
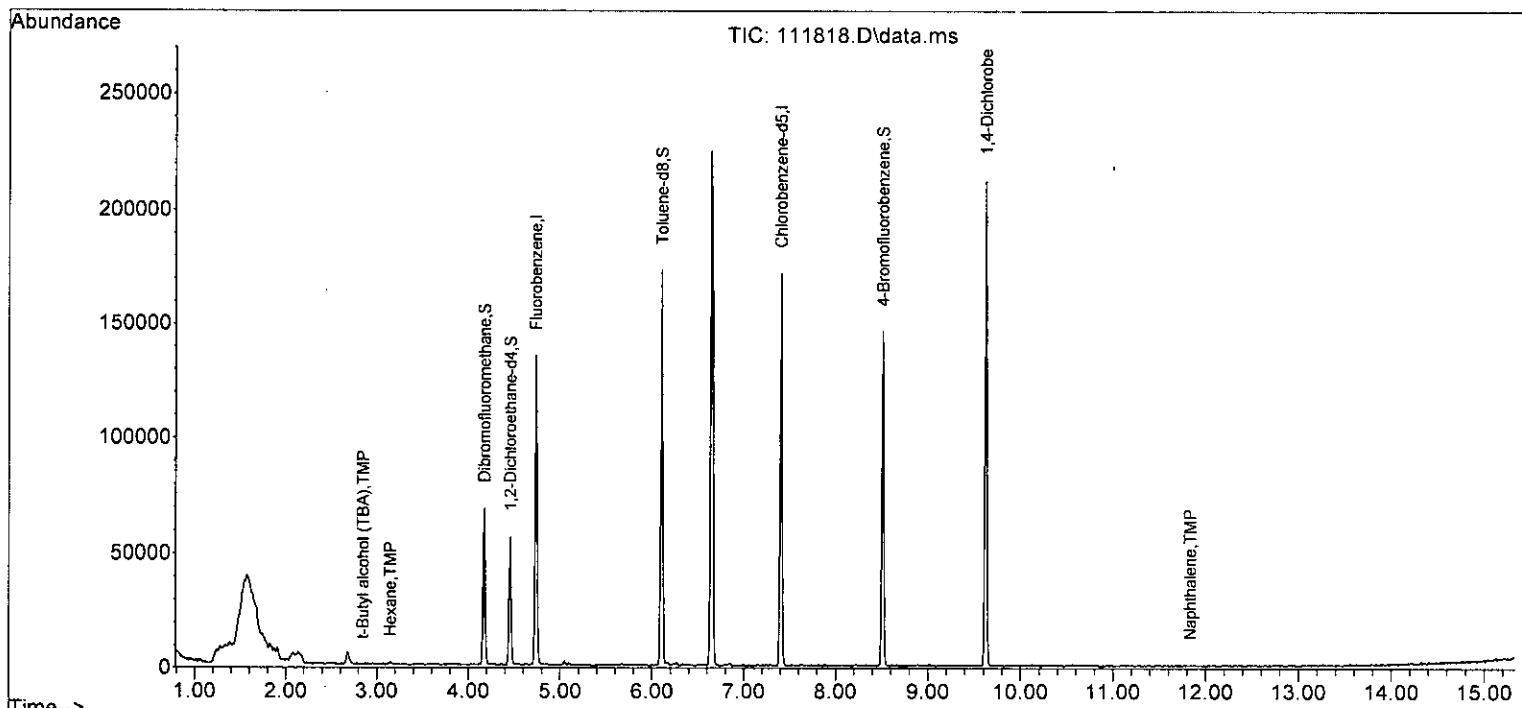
Quant Time: Nov 21 09:45:03 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.00		0		N.D.	
38) cis-1,3-Dichloropropene	0.00		0		N.D.	
40] Toluene	6.16	92	73	Below Cal		95
41) trans-1,3-Dichloropropene	0.00		0		N.D. d	
42) 1,1,2-Trichloroethane	0.00		0		N.D. d	
43) 2-Hexanone	6.76	43	52		N.D.	
44) 1,3-Dichloropropane	0.00		0		N.D.	
45] Tetrachloroethene	6.65	164	56527	16.057	ppb	93
46) Dibromochloromethane	0.00		0		N.D.	
47) 1,2-Dibromoethane (EDB)	0.00		0		N.D.	
48) Chlorobenzene	0.00		0		N.D.	
49) Ethylbenzene	7.54	91	72		N.D.	
50) 1,1,1,2-Tetrachloroethane	0.00		0		N.D.	
51] m,p-Xylene	7.65	106	73	0.013	ppb #	80
52) o-Xylene	8.02	106	24		N.D.	
53) Styrene	0.00		0		N.D.	
54) Isopropylbenzene	8.38	105	40		N.D.	
55) Bromoform	0.00		0		N.D.	
58) n-Propylbenzene	8.77	91	39		N.D.	
59) Bromobenzene	0.00		0		N.D.	
60) 1,3,5-Trimethylbenzene	0.00		0		N.D.	
61) 1,1,2,2-Tetrachloroethane	0.00		0		N.D.	
62) 1,2,3-Trichloropropane	0.00		0		N.D. d	
63) 2-Chlorotoluene	8.77	91	39		N.D.	
64) 4-Chlorotoluene	8.77	91	39		N.D.	
65) tert-Butylbenzene	0.00		0		N.D.	
66) 1,2,4-Trimethylbenzene	9.30	105	72		N.D.	
67) sec-Butylbenzene	9.47	105	56		N.D.	
68) p-Isopropyltoluene	9.62	119	100		N.D.	
69) 1,3-Dichlorobenzene	0.00		0		N.D.	
70) 1,4-Dichlorobenzene	0.00		0		N.D.	
71) 1,2-Dichlorobenzene	0.00		0		N.D.	
72) 1,2-Dibromo-3-chloropr...	0.00		0		N.D.	
73) 1,2,4-Trichlorobenzene	0.00		0		N.D.	
74) Hexachlorobutadiene	0.00		0		N.D.	
75) Naphthalene	11.83	128	88	0.087	ppb	69
76) 1,2,3-Trichlorobenzene	0.00		0		N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111818.D
 Acq On : 18 Nov 2022 02:01 pm
 Operator : LM
 Sample : 211213-05 1/0.25
 Misc : soil
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS13

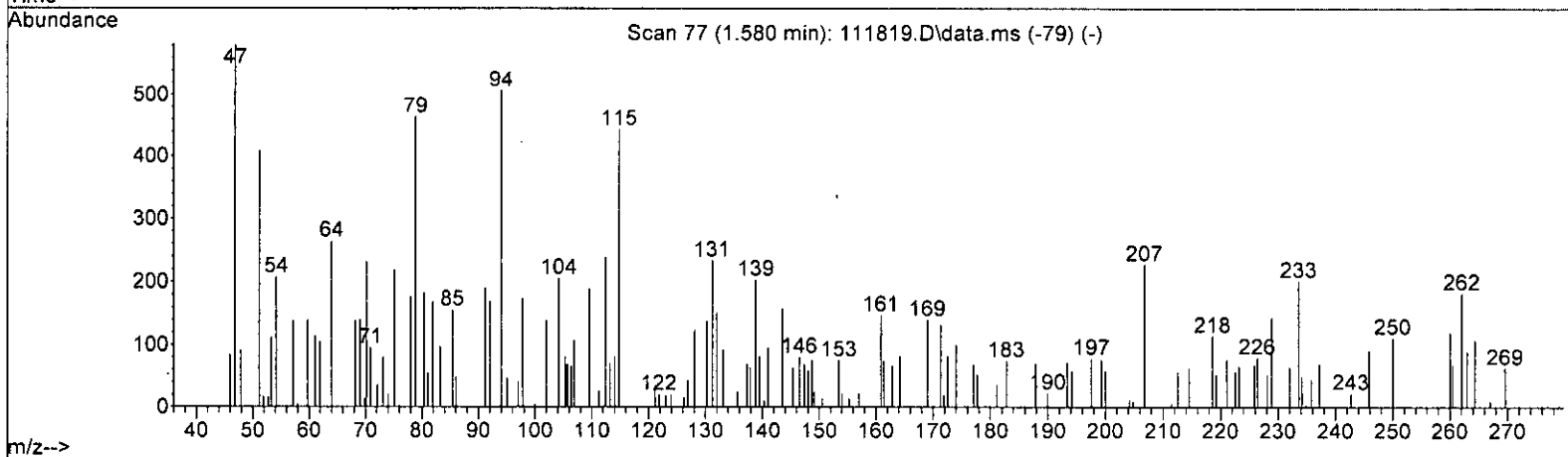
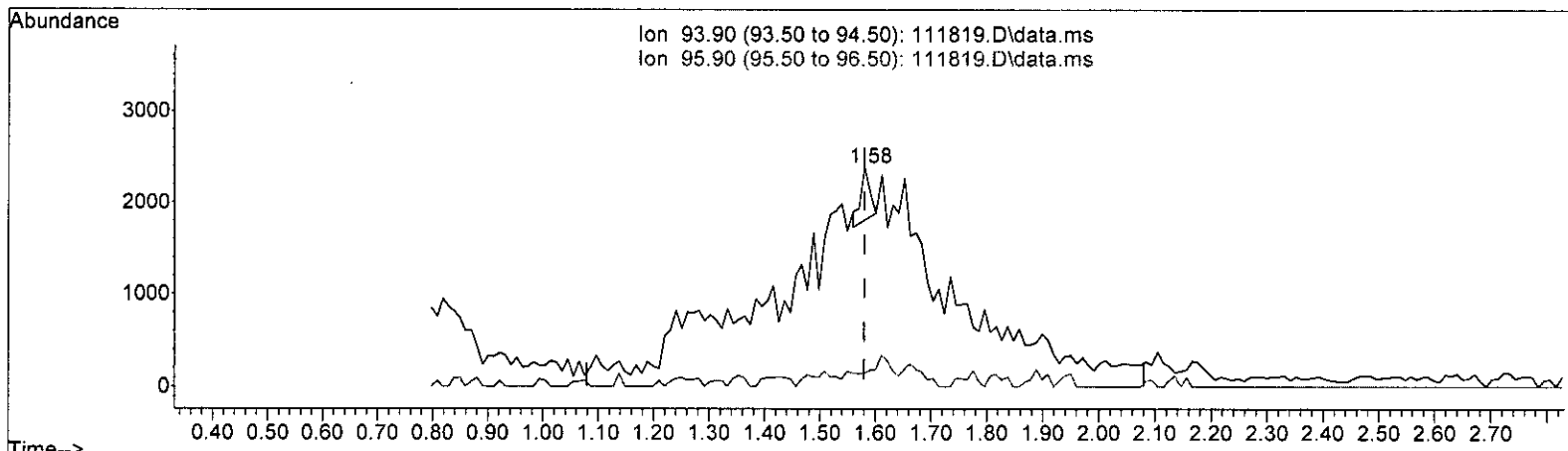
Quant Time: Nov 21 09:45:03 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111819.D
 Acq On : 18 Nov 2022 02:25 pm
 Operator : LM
 Sample : 211213-06 1/0.25
 Misc : soil
 ALS Vial : 14 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:45:07 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



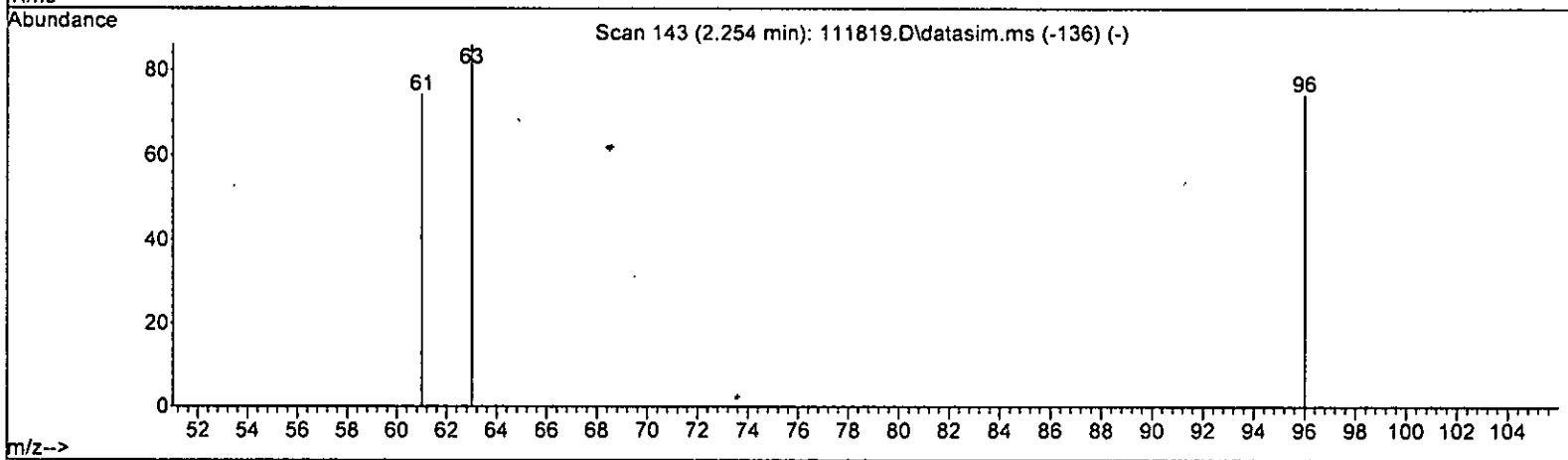
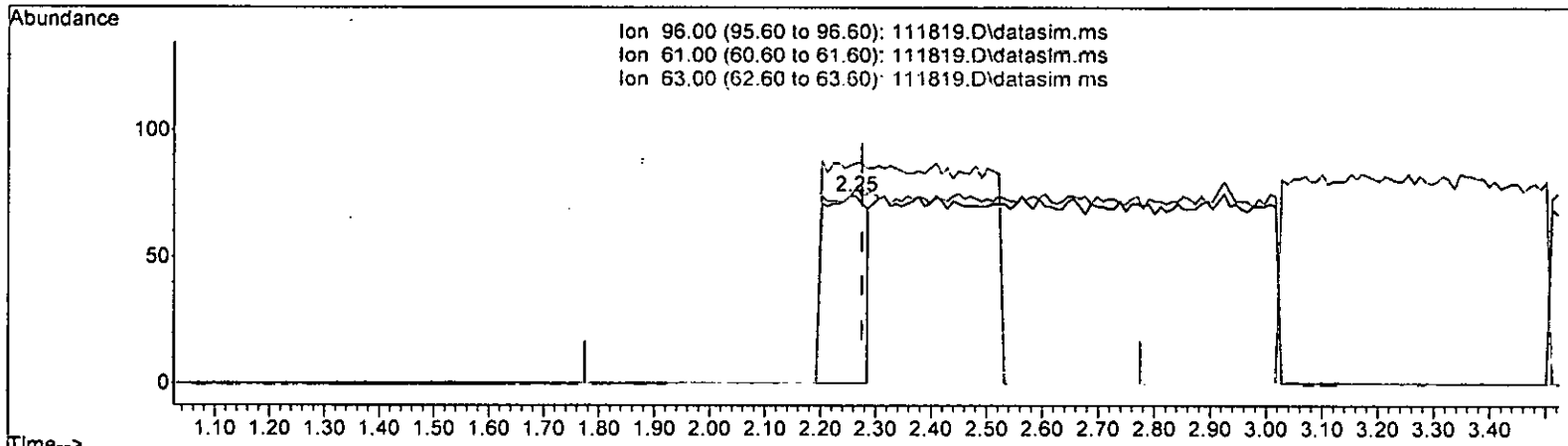
TIC: 111819.D\data.ms

(7) Bromomethane (TMP)		
response	Exp%	Act%
1.580min (-0.000) 0.154 ppb		
668		
93.90	100.00	100.00
95.90	93.50	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111819.D
 Acq On : 18 Nov 2022 02:25 pm
 Operator : LM
 Sample : 211213-06 1/0.25
 Misc : soil
 ALS Vial : 14 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:45:07 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 111819.D\data.ms

(12) 1,1-Dichloroethene (TMP)

2.254min (-0.021) 0.139 ppb

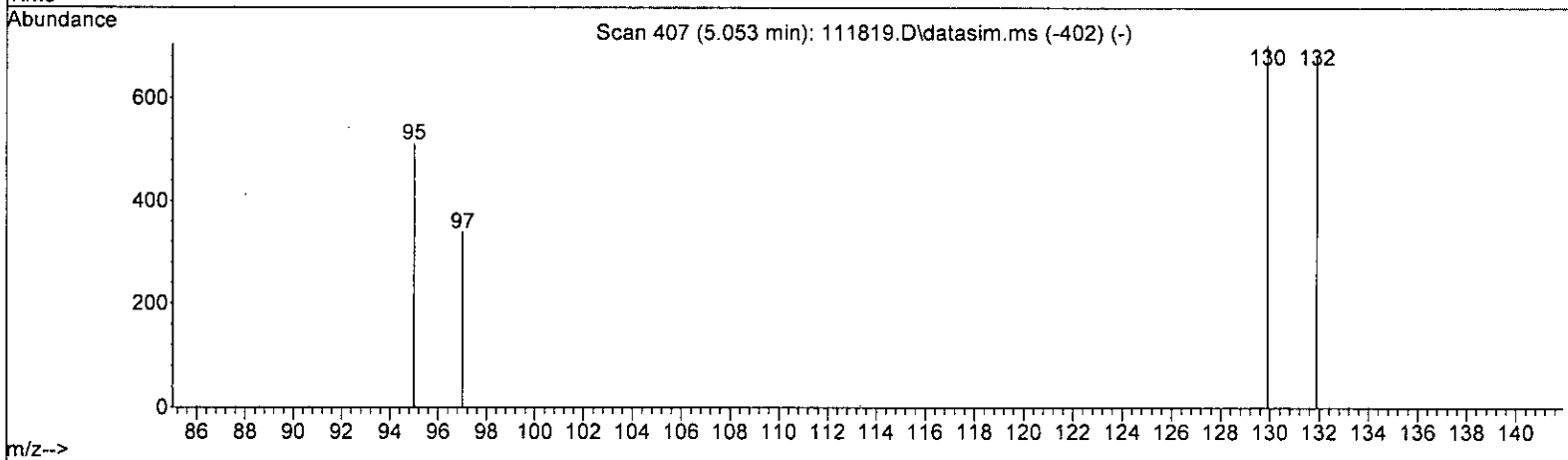
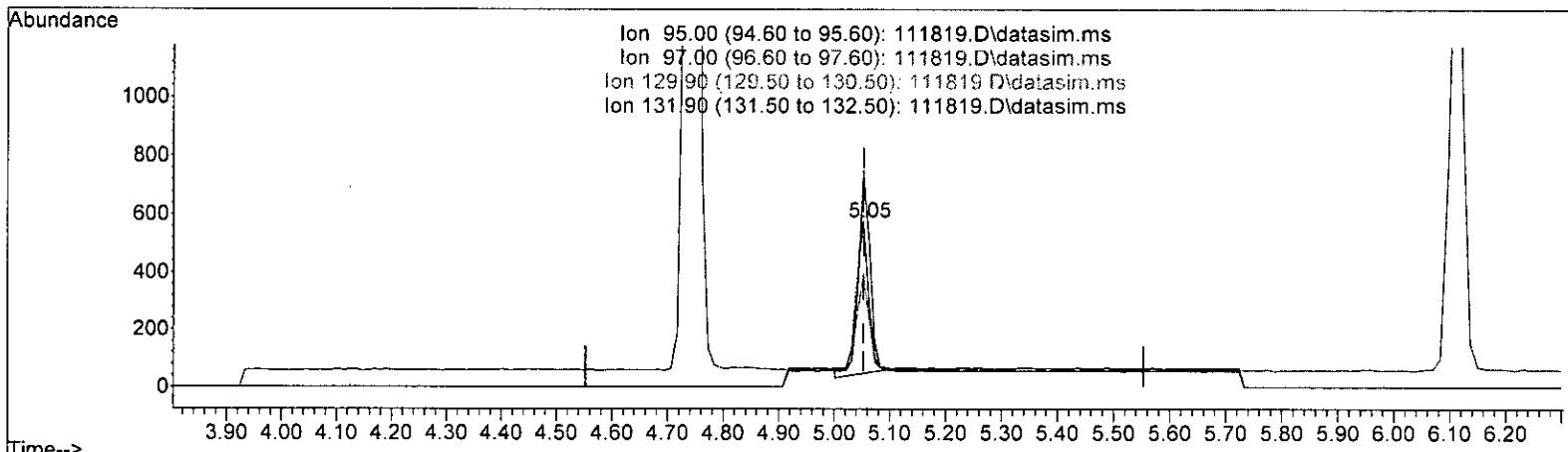
response 397

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	120.90	100.00
63.00	43.90	116.22#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111819.D
 Acq On : 18 Nov 2022 02:25 pm
 Operator : LM
 Sample : 211213-06 1/0.25
 Misc : soil
 ALS Vial : 14 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:45:07 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



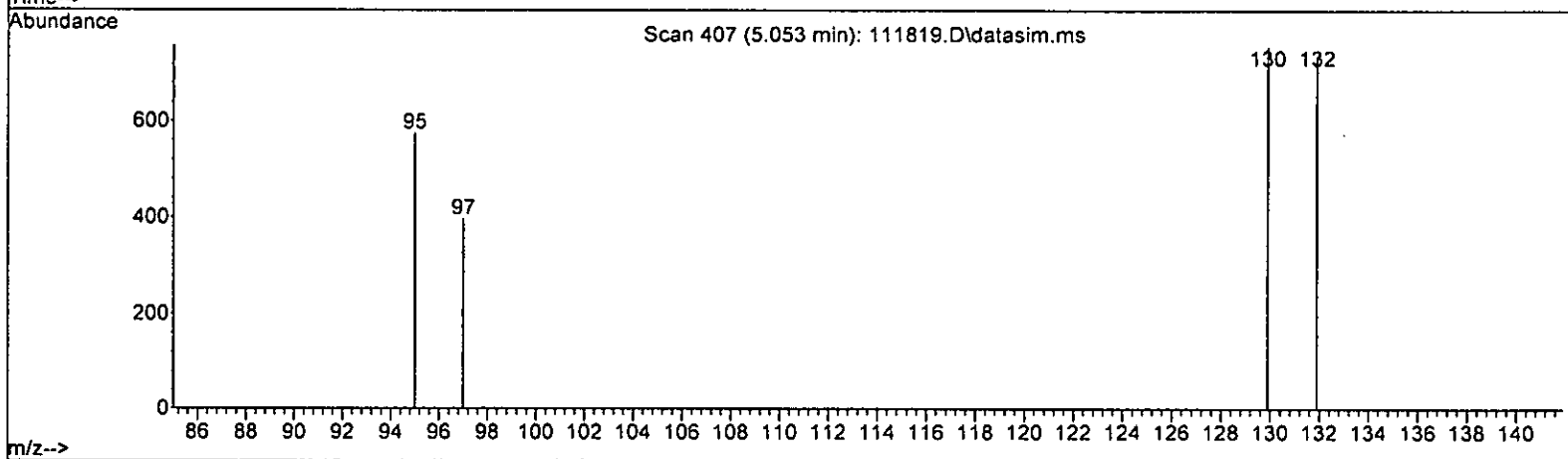
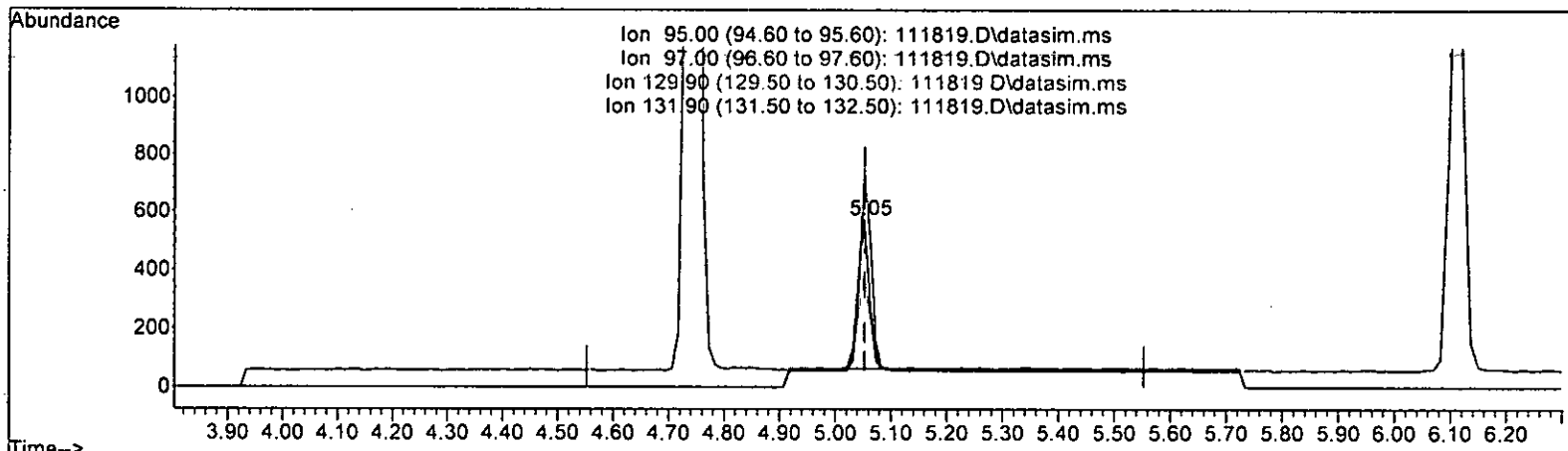
TIC: 111819.D\data.ms

(32) Trichloroethene (TMP)		
5.053min (-0.000) 0.229 ppb		
response	842	
Ion	Exp%	Act%
95.00	100.00	100.00
97.00	64.60	66.14
129.90	103.40	137.38#
131.90	95.80	132.49#

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111819.D
 Acq On : 18 Nov 2022 02:25 pm
 Operator : LM
 Sample : 211213-06 1/0.25
 Misc : soil
 ALS Vial : 14 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:45:07 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 111819.D\data.ms

(32) Trichloroethene (TMP)

5.053min (-0.000) 0.202 ppb m

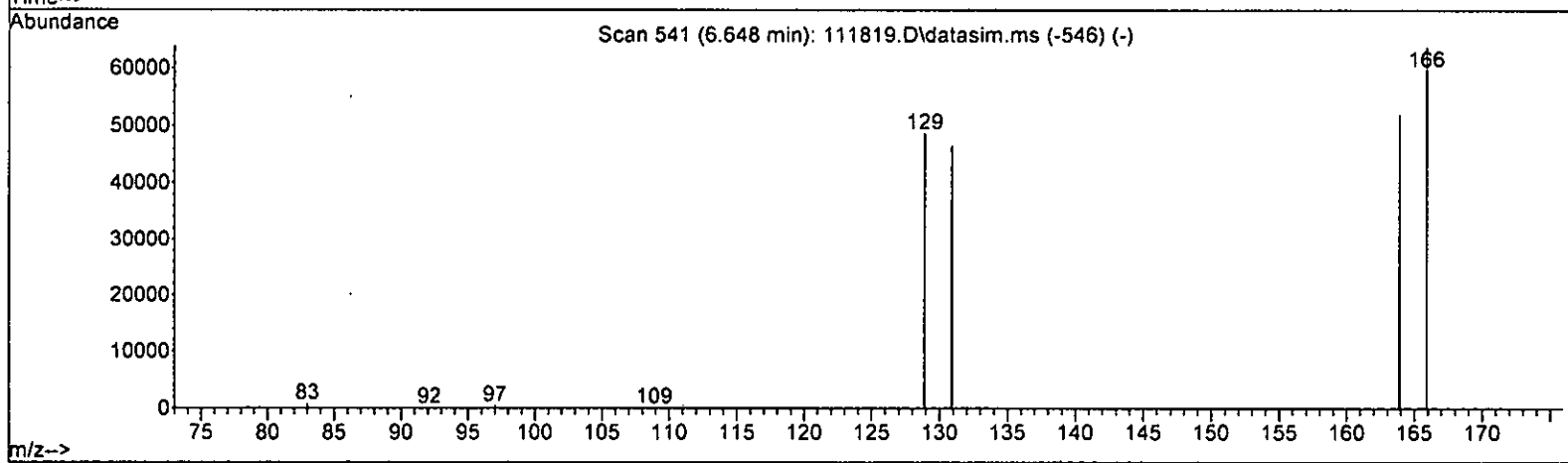
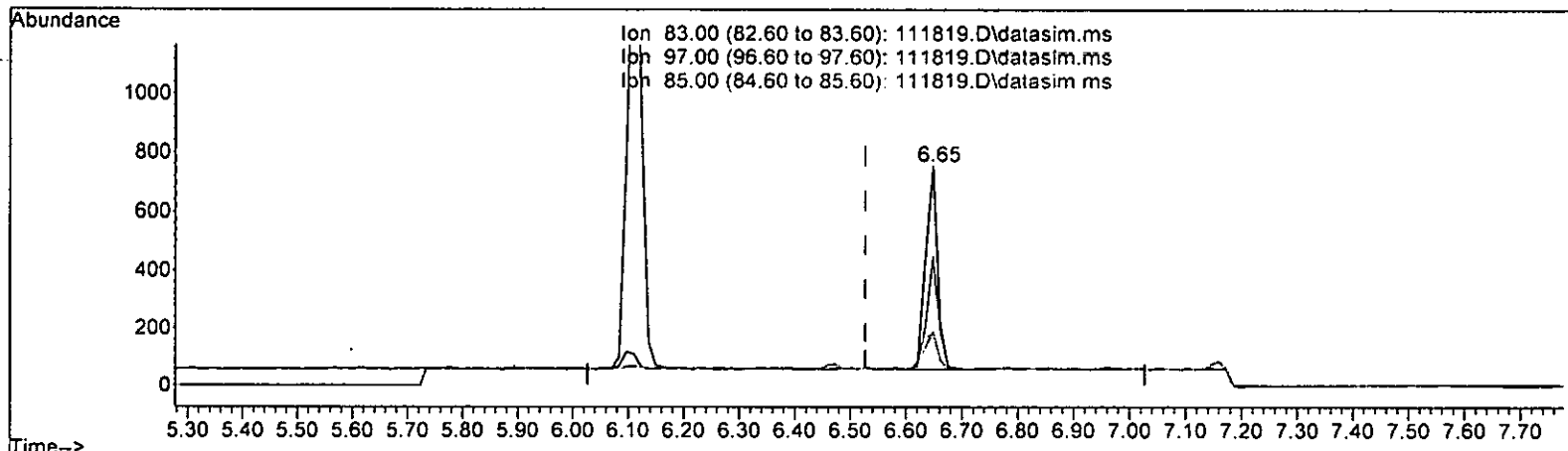
response 743

Ion	Exp%	Act%
95.00	100.00	100.00
97.00	64.60	68.94
129.90	103.40	132.29
131.90	95.80	127.75#

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111819.D
 Acq On : 18 Nov 2022 02:25 pm
 Operator : LM
 Sample : 211213-06 1/0.25
 Misc : soil
 ALS Vial : 14 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:45:07 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 Qlast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 111819.D\data.ms

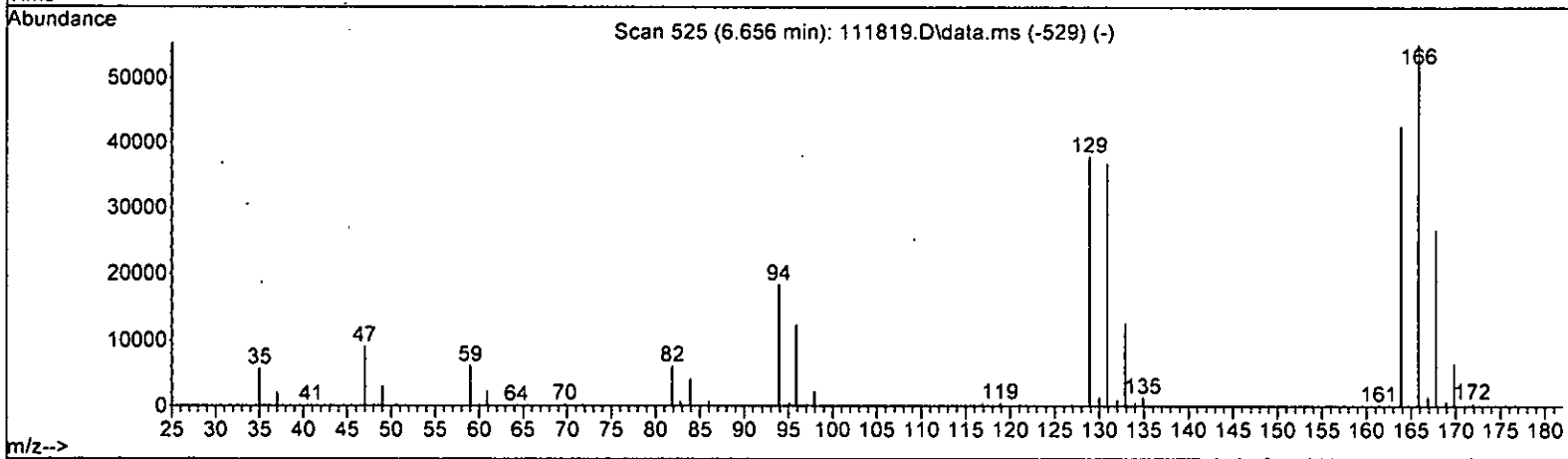
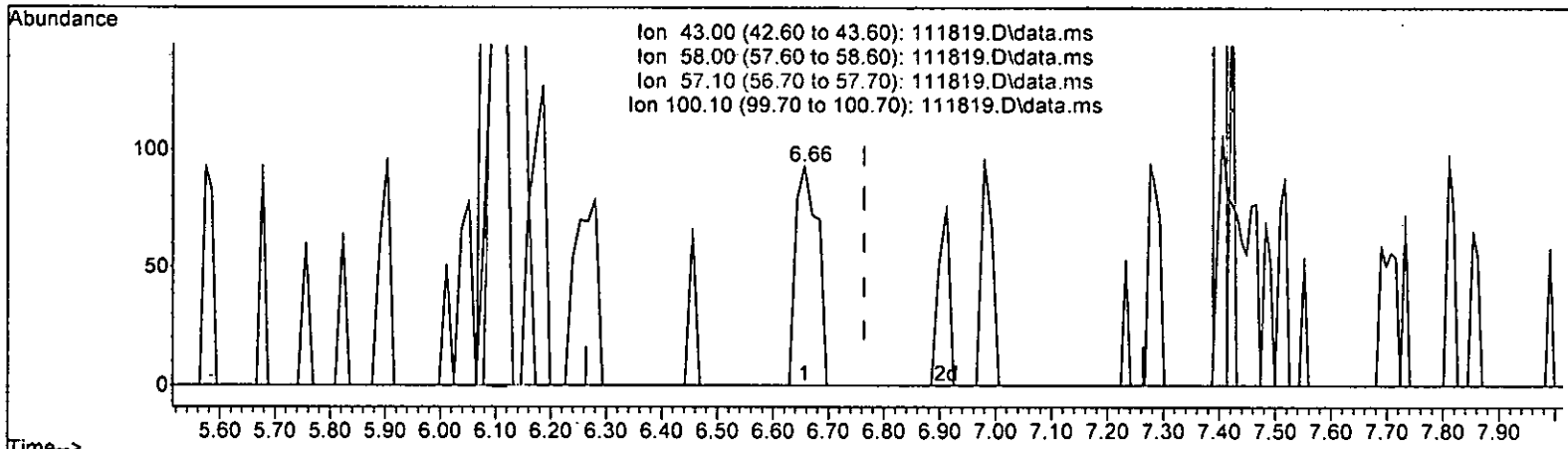
(42) 1,1,2-Trichloroethane (TMP)
 6.648min (+ 0.121) 0.433 ppb
 response 1040

Ion	Exp%	Act%
83.00	100.00	100.00
97.00	118.00	55.81#
85.00	65.30	18.94#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111819.D
 Acq On : 18 Nov 2022 02:25 pm
 Operator : LM
 Sample : 211213-06 1/0.25
 Misc : soil
 ALS Vial : 14 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:45:07 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 111819.D\data.ms

(43) 2-Hexanone (TMP)

6.656min (-0.108) 0.148 ppb

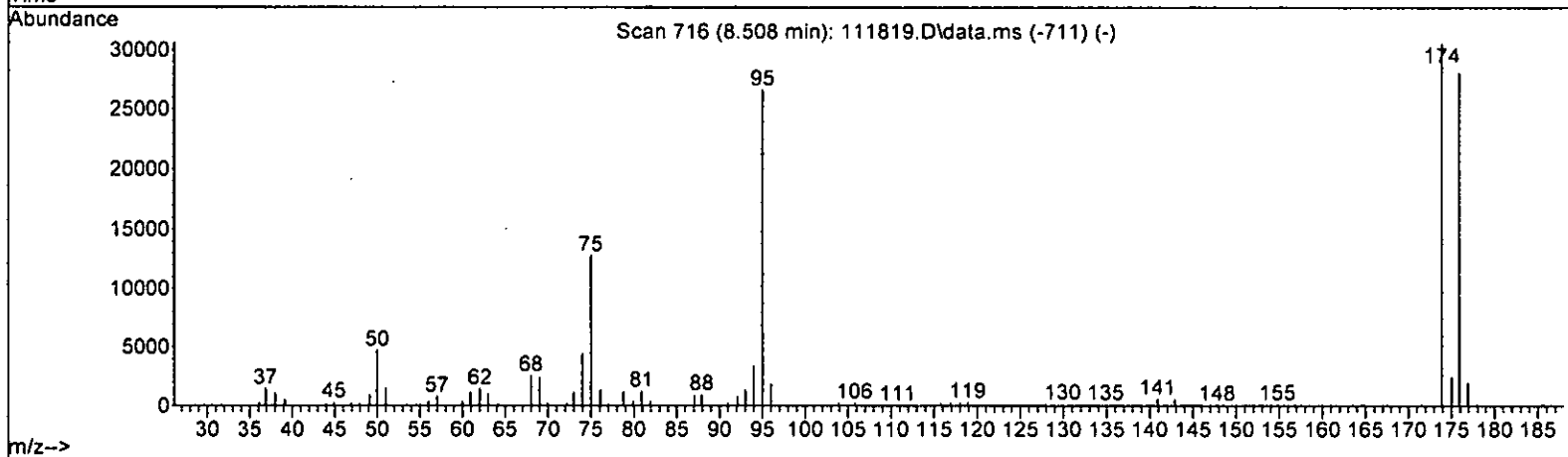
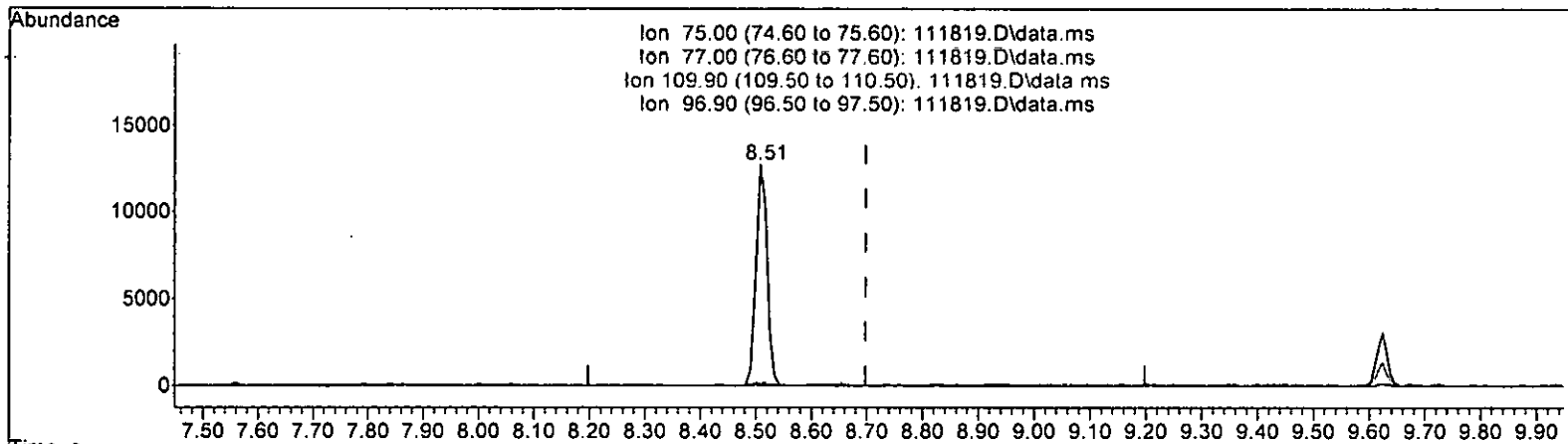
response 253

Ion	Exp%	Act%
43.00	100.00	100.00
58.00	51.50	0.00#
57.10	16.30	0.00
100.10	10.20	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111819.D
 Acq On : 18 Nov 2022 02:25 pm
 Operator : LM
 Sample : 211213-06 1/0.25
 Misc : soil
 ALS Vial : 14 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:45:07 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 111819.D\data.ms

(62) 1,2,3-Trichloropropane (TMP)

8.508min (-0.190) 6.706 ppb

response	17653	
Ion	Exp%	Act%
75.00	100.00	100.00
77.00	34.00	1.00#
109.90	36.50	0.00#
96.90	22.60	0.00

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111819.D
 Acq On : 18 Nov 2022 02:25 pm
 Operator : LM
 Sample : 211213-06 1/0.25
 Misc : soil
 ALS Vial : 14 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:45:07 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

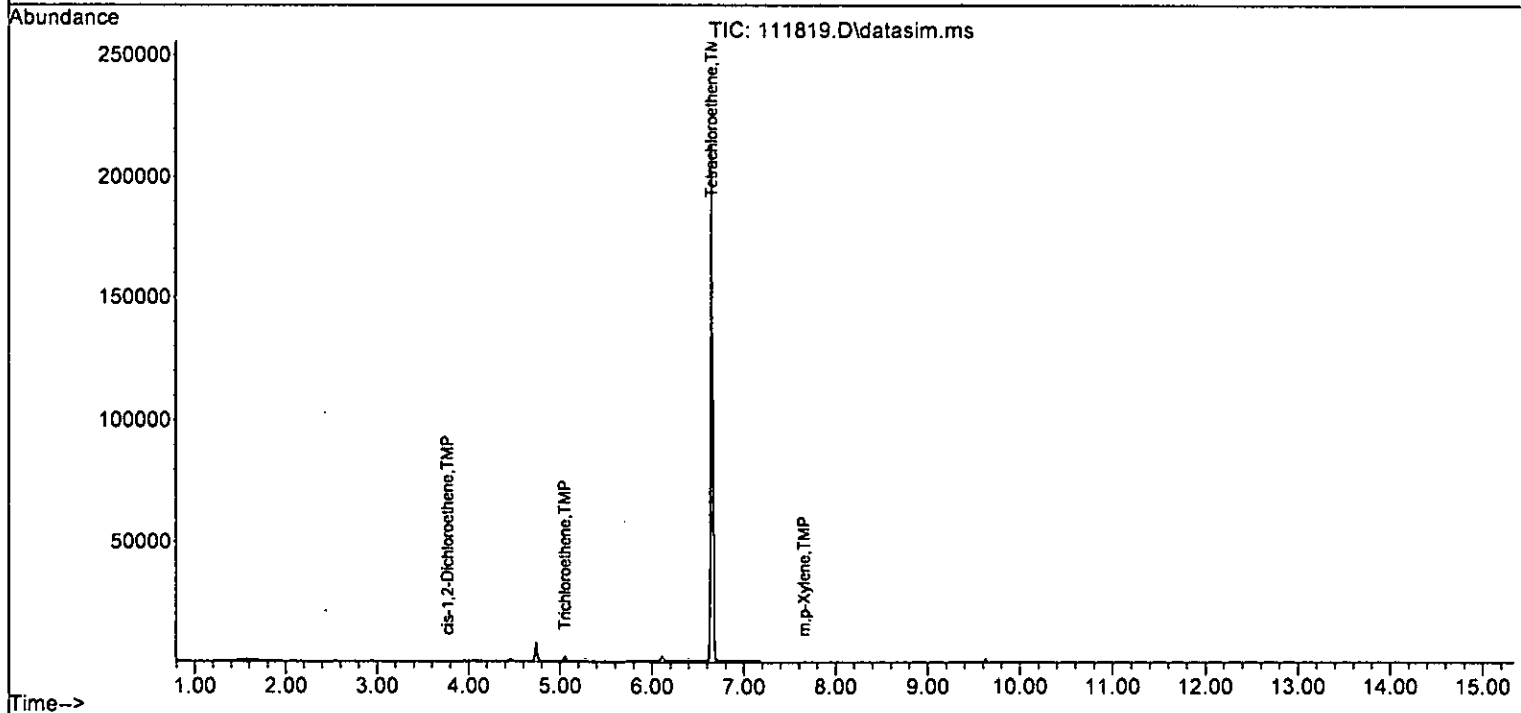
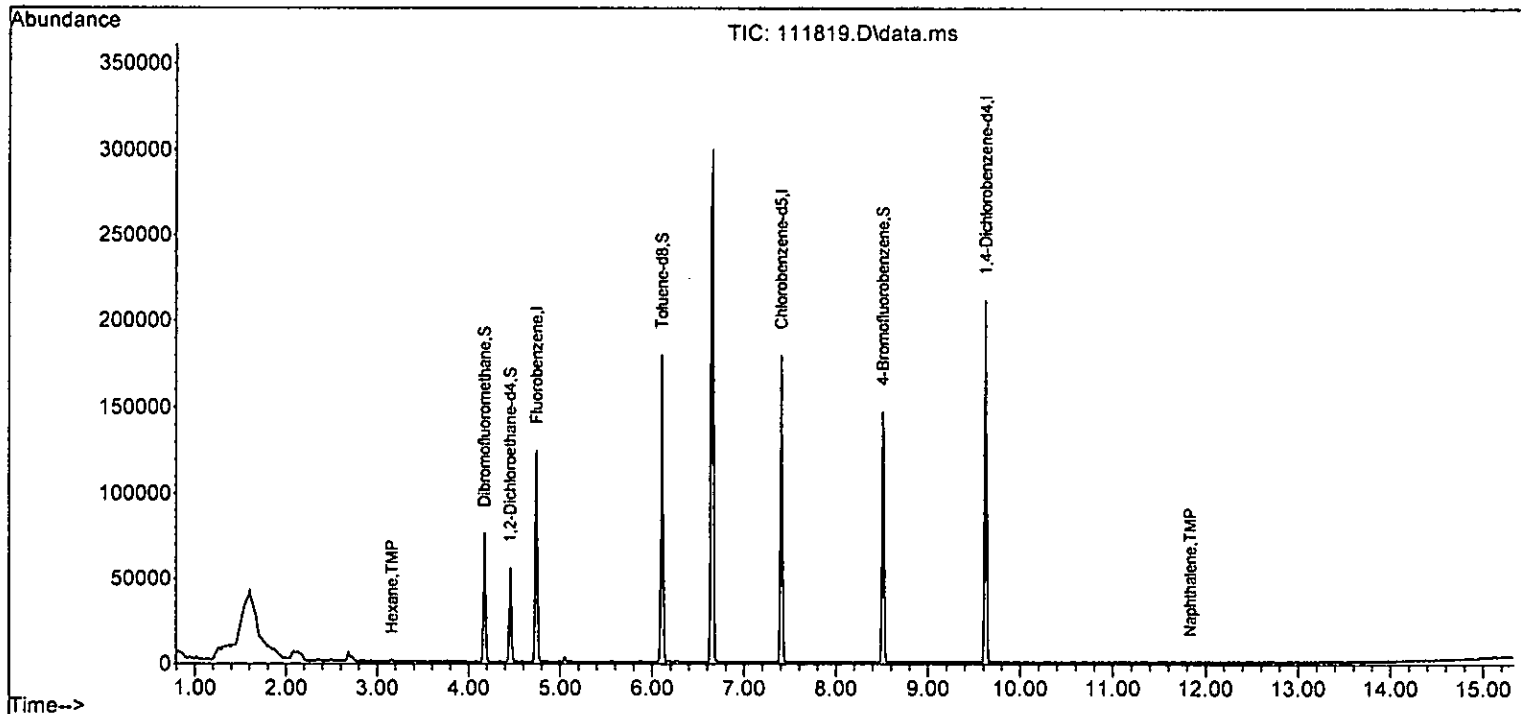
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

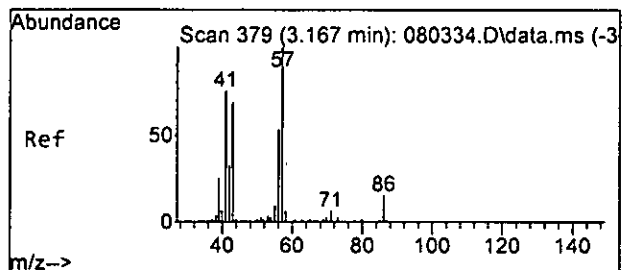
Internal Standards						
1) Fluorobenzene	4.75	96	100506	10.000	ppb	0.00
39) Chlorobenzene-d5	7.40	117	89928	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	54139	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.17	113	33442	10.376	ppb	0.00
Spiked Amount	10.000	Range 50 - 150	Recovery	=	103.80%	
30) 1,2-Dichloroethane-d4	4.45	102	6108	9.779	ppb	0.00
Spiked Amount	10.000	Range 84 - 120	Recovery	=	97.80%	
35) Toluene-d8	6.11	98	98430	10.269	ppb	0.00
Spiked Amount	10.000	Range 73 - 128	Recovery	=	102.70%	
57) 4-Bromofluorobenzene	8.51	95	37541	10.063	ppb	0.00
Spiked Amount	10.000	Range 57 - 146	Recovery	=	100.60%	
Target Compounds						
11) Acetone	2.34	58	161	Below Cal	#	68
13) Hexane	3.16	57	479	0.147	ppb	91
14) Methylene chloride	2.68	84	2638	Below Cal		96
21) 2,2-Dichloropropane	3.76	77	88	Below Cal		48
22] cis-1,2-Dichloroethene	3.77	96	101	0.030	ppb	94
24) 2-Butanone (MEK)	3.87	43	253	Below Cal		55
26] 1,2-Dichloroethane (EDC)	4.53	62	73	Below Cal		84
32] Trichloroethene	5.05	95	743m	0.202	ppb	
40] Toluene	6.16	92	92	Below Cal		91
45] Tetrachloroethene	6.65	164	77206	21.680	ppb	95
51] m,p-Xylene	7.65	106	69	0.013	ppb	88
75) Naphthalene	11.83	128	116	0.090	ppb	69

(#) = qualifier out of range (m) = manual integration (+) = signals summed

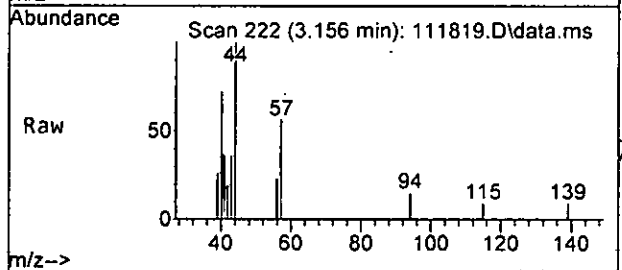
Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111819.D
 Acq On : 18 Nov 2022 02:25 pm
 Operator : LM
 Sample : 211213-06 1/0.25
 Misc : soil
 ALS Vial : 14 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:45:07 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

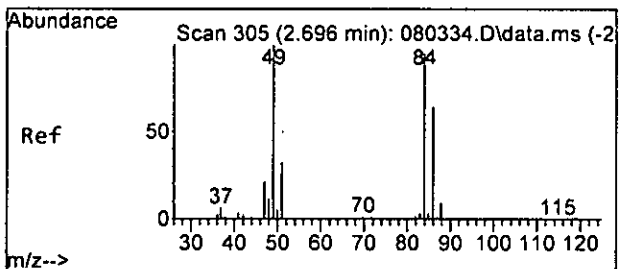
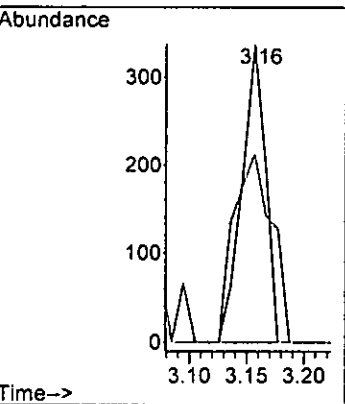
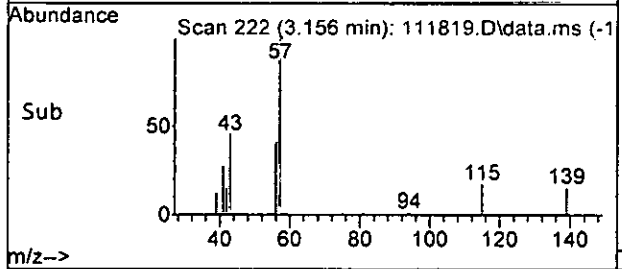




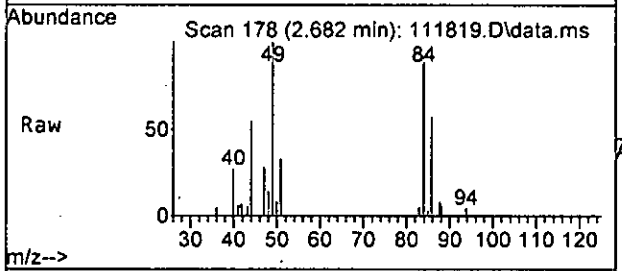
#13
 Hexane
 Concen: 0.147 ppb
 RT: 3.16 min Scan# 222
 Delta R.T. -0.001 min
 Lab File: 111819.D
 Acq: 18 Nov 2022 02:25 pm



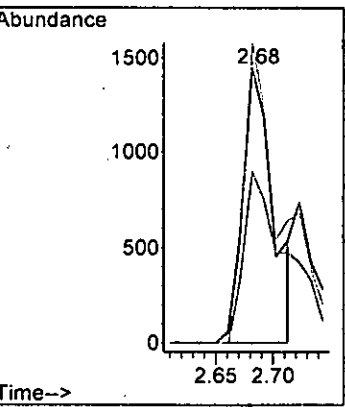
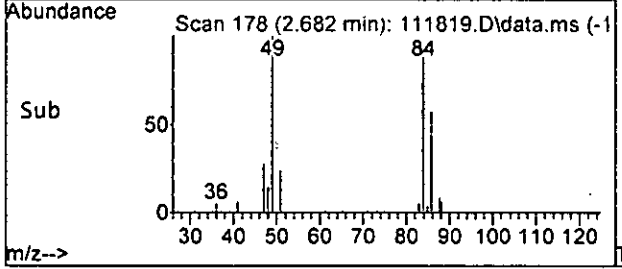
Tgt Ion: 57 Resp: 479
 Ion Ratio Lower Upper
 57 100
 43 63.2 35.4 95.4
 86 0.0 0.0 44.8

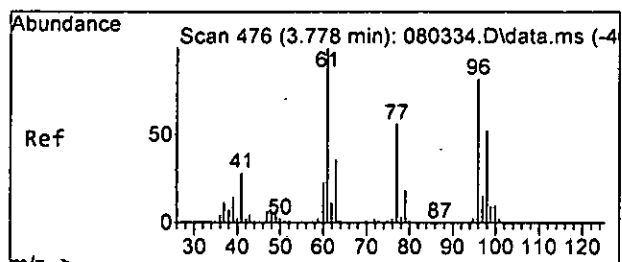


#14
 Methylene chloride
 Concen: Below Cal
 RT: 2.68 min Scan# 178
 Delta R.T. -0.000 min
 Lab File: 111819.D
 Acq: 18 Nov 2022 02:25 pm



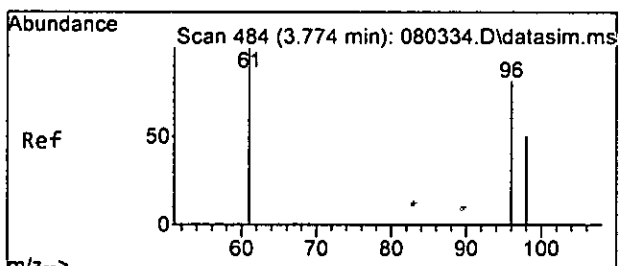
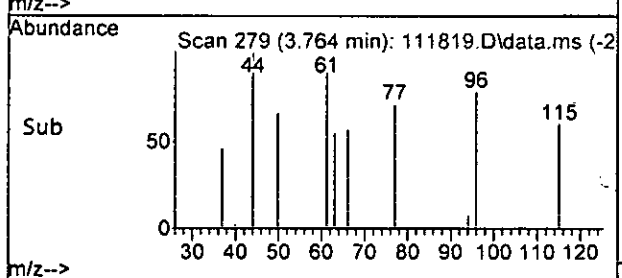
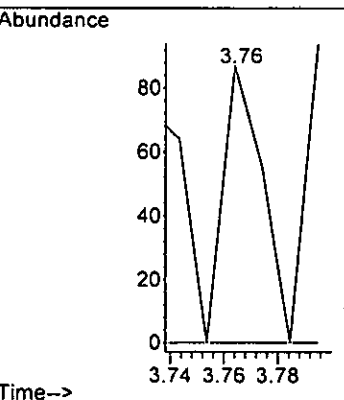
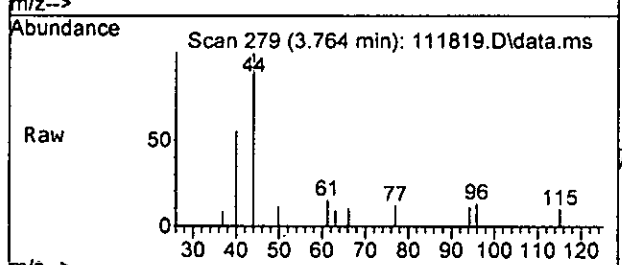
Tgt Ion: 84 Resp: 2638
 Ion Ratio Lower Upper
 84 100
 86 62.0 37.1 97.1
 49 109.2 81.3 141.3





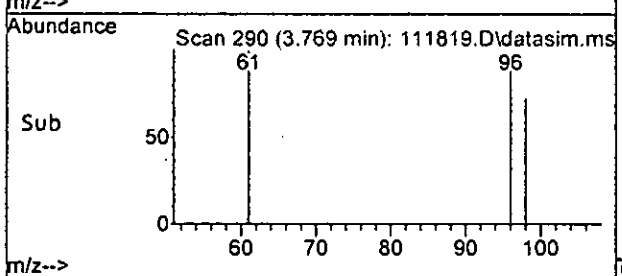
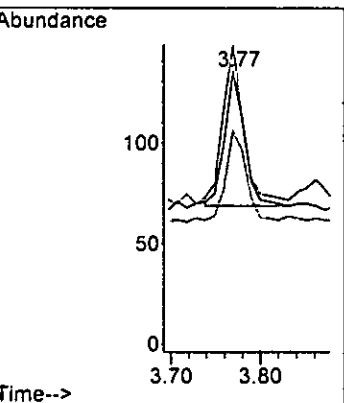
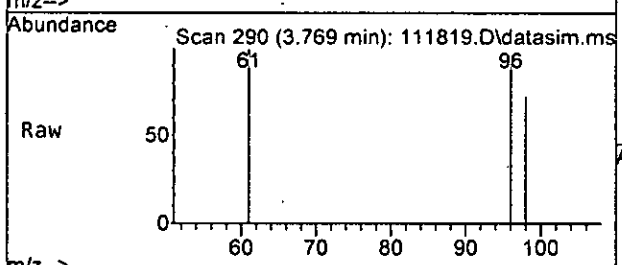
#21
 2,2-Dichloropropane
 Concen: Below Cal
 RT: 3.76 min Scan# 279
 Delta R.T. -0.011 min
 Lab File: 111819.D
 Acq: 18 Nov 2022 02:25 pm

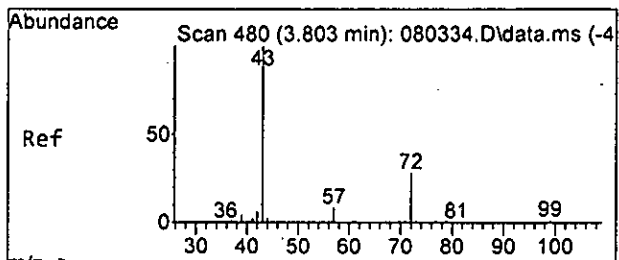
Tgt Ion:	77	Resp:	88
Ion Ratio	Lower	Upper	
77	100		
97	0.0	0.0	56.8



#22
 cis-1,2-Dichloroethene
 Concen: 0.030 ppb
 RT: 3.77 min Scan# 290
 Delta R.T. -0.000 min
 Lab File: 111819.D
 Acq: 18 Nov 2022 02:25 pm

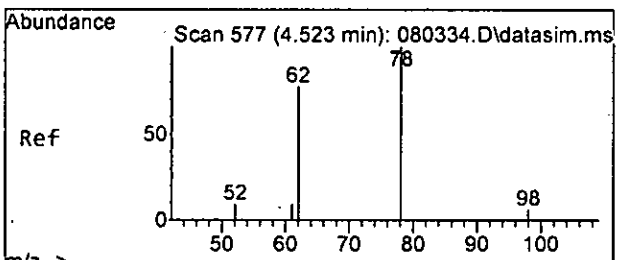
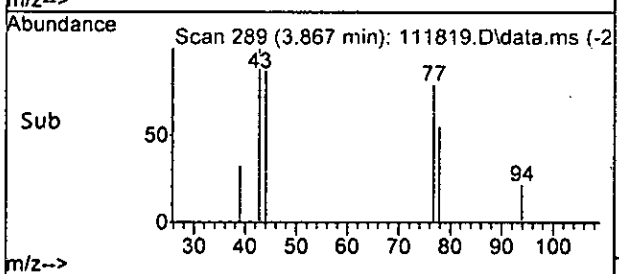
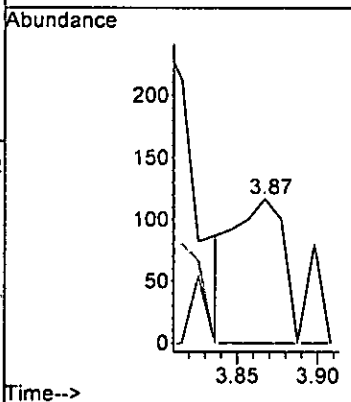
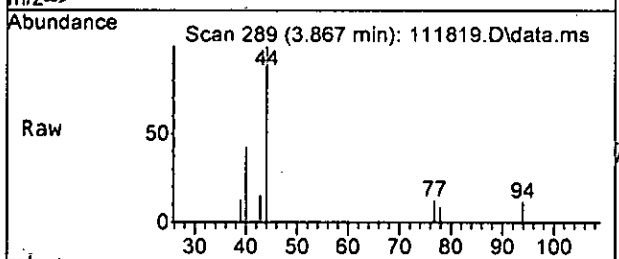
Tgt Ion:	96	Resp:	101
Ion Ratio	Lower	Upper	
96	100		
61	115.2	92.3	152.3
98	66.7	32.0	92.0





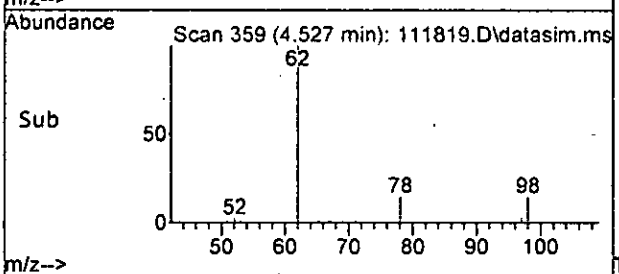
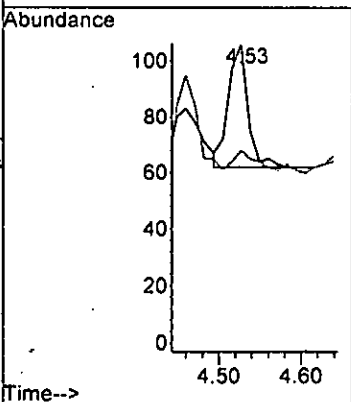
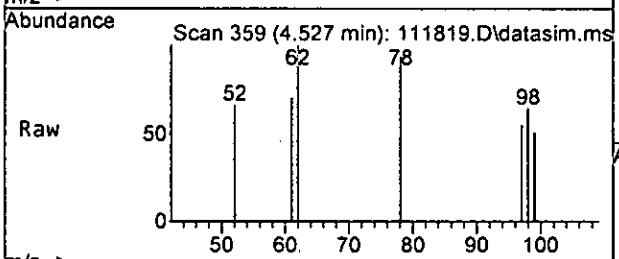
#24
 2-Butanone (MEK)
 Concen: Below Cal
 RT: 3.87 min Scan# 289
 Delta R.T. 0.072 min
 Lab File: 111819.D
 Acq: 18 Nov 2022 02:25 pm

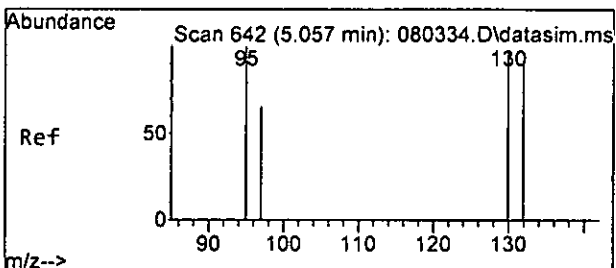
Tgt Ion	Resp	Lower	Upper
43	100	0.0	57.0
72	0.0	0.0	28.0
57	0.0	0.0	28.0



#26
 1,2-Dichloroethane (EDC)
 Concen: Below Cal
 RT: 4.53 min Scan# 359
 Delta R.T. -0.000 min
 Lab File: 111819.D
 Acq: 18 Nov 2022 02:25 pm

Tgt Ion	Resp	Lower	Upper
62	100	15.9	40.1
98	15.9	0.0	40.1

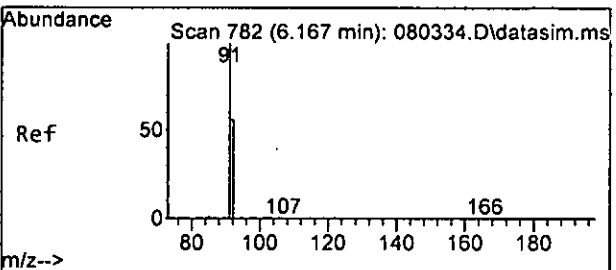
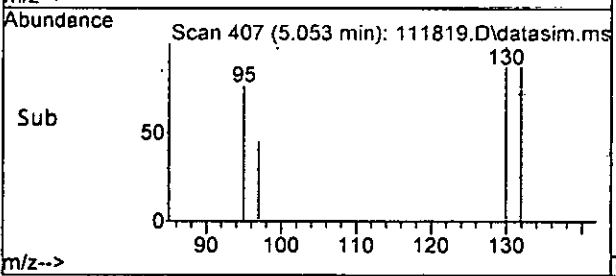
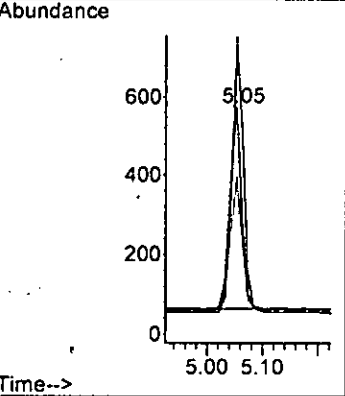
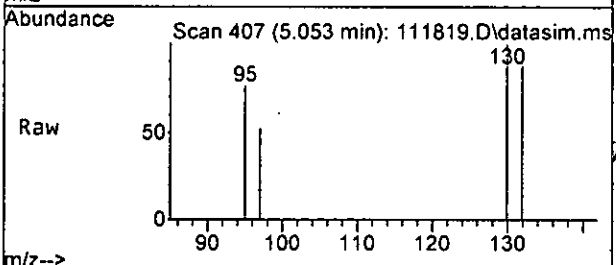




#32
 Trichloroethene
 Concen: 0.202 ppb m
 RT: 5.05 min Scan# 407
 Delta R.T. -0.000 min
 Lab File: 111819.D
 Acq: 18 Nov 2022 02:25 pm

Tgt Ion: 95 Resp: 743

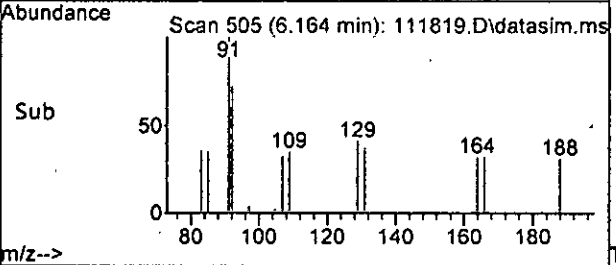
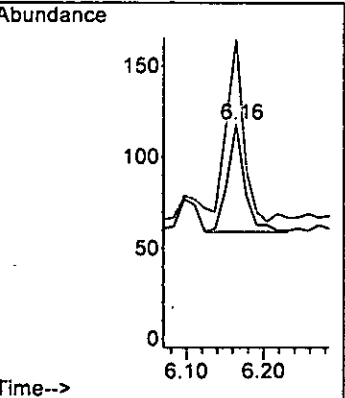
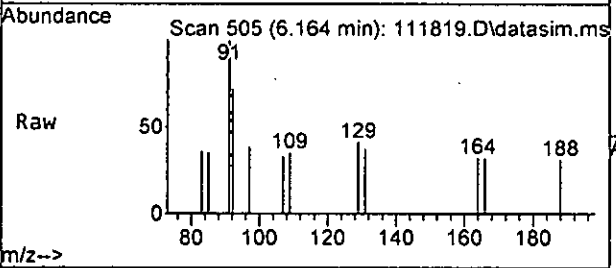
Ion	Ratio	Lower	Upper
95	100		
97	68.9	34.6	94.6
130	132.3	73.4	133.4
132	127.7	65.8	125.8#

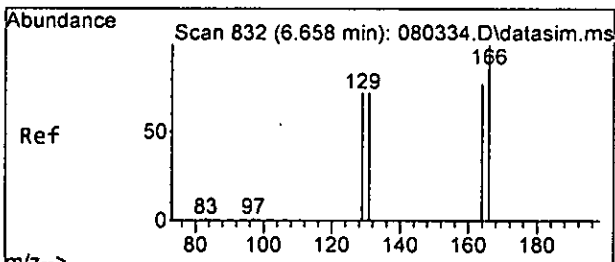


#40
 Toluene
 Concen: Below Cal
 RT: 6.16 min Scan# 505
 Delta R.T. -0.000 min
 Lab File: 111819.D
 Acq: 18 Nov 2022 02:25 pm

Tgt Ion: 92 Resp: 92

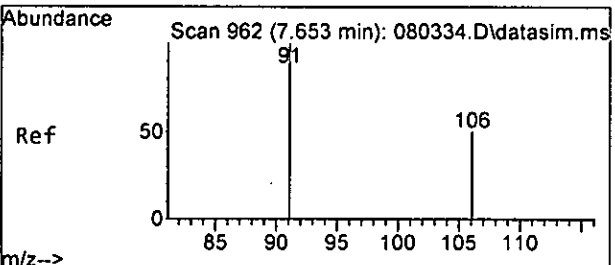
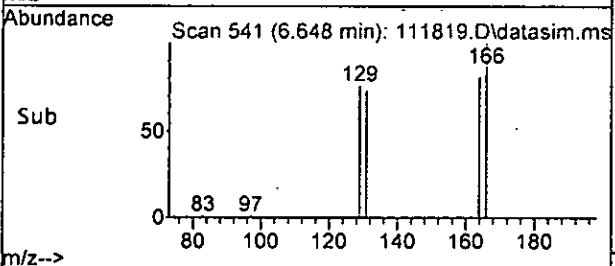
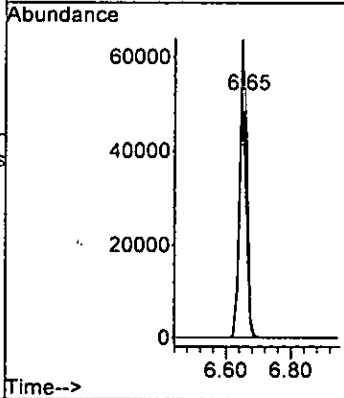
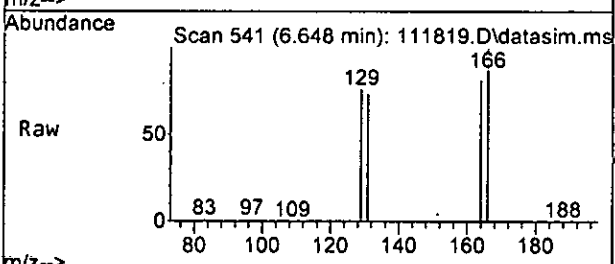
Ion	Ratio	Lower	Upper
92	100		
91	166.1	148.5	208.5





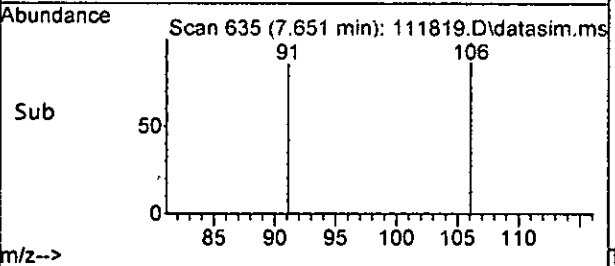
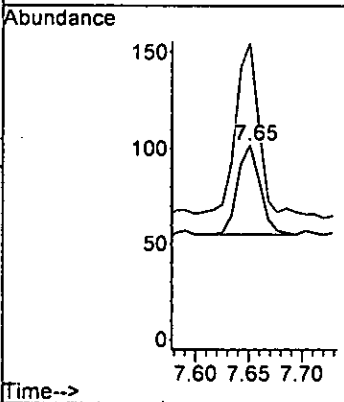
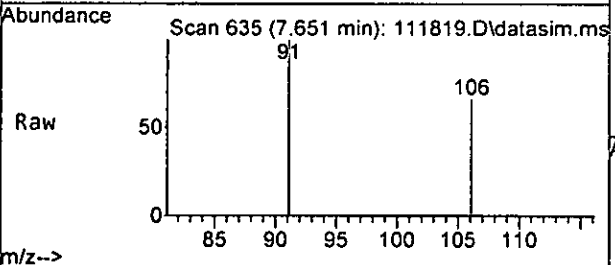
#45
 Tetrachloroethene
 Concen: 21.680 ppb
 RT: 6.65 min Scan# 541
 Delta R.T. -0.000 min
 Lab File: 111819.D
 Acq: 18 Nov 2022 02:25 pm

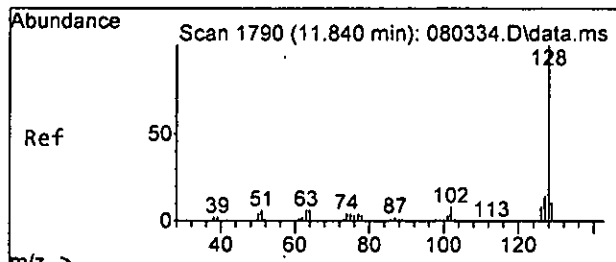
Tgt Ion	Resp	Lower	Upper
164	100		
129	93.8	72.1	132.1
131	89.6	64.8	124.8
166	123.0	90.0	150.0



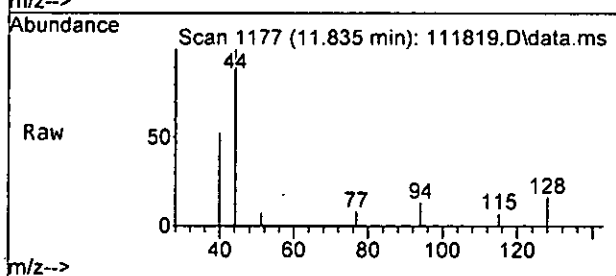
#51
 m,p-Xylene
 Concen: 0.013 ppb
 RT: 7.65 min Scan# 635
 Delta R.T. 0.000 min
 Lab File: 111819.D
 Acq: 18 Nov 2022 02:25 pm

Tgt Ion	Resp	Lower	Upper
106	100		
91	187.2	175.7	235.7



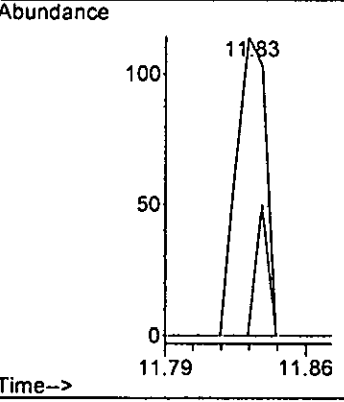
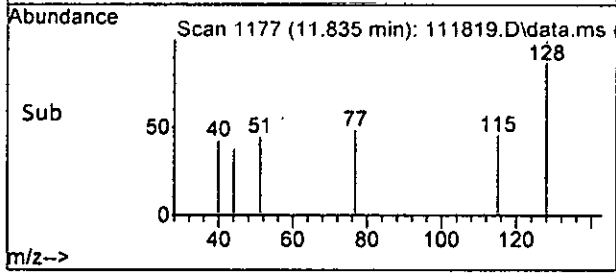


#75
 Naphthalene
 Concen: 0.090 ppb
 RT: 11.83 min Scan# 1177
 Delta R.T. -0.000 min
 Lab File: 111819.D
 Acq: 18 Nov 2022 02:25 pm



Tgt Ion: 128 Resp: 116

Ion	Ratio	Lower	Upper
128	100		
129	0.0	0.0	40.8
127	0.0	0.0	43.1



Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111819.D
 Acq On : 18 Nov 2022 02:25 pm
 Operator : LM
 Sample : 211213-06 1/0.25
 Misc : soil
 ALS Vial : 14 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:45:07 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) Fluorobenzene	4.75	96	100506	10.000	ppb	0.00	
39) Chlorobenzene-d5	7.40	117	89928	10.000	ppb	0.00	
56) 1,4-Dichlorobenzene-d4	9.62	152	54139	10.000	ppb	0.00	
System Monitoring Compounds							
3) Dibromofluoromethane	4.17	113	33442	10.376	ppb	0.00	
Spiked Amount	10.000	Range 50 - 150	Recovery	=	103.80%		
30) 1,2-Dichloroethane-d4	4.45	102	6108	9.779	ppb	0.00	
Spiked Amount	10.000	Range 84 - 120	Recovery	=	97.80%		
35) Toluene-d8	6.11	98	98430	10.269	ppb	0.00	
Spiked Amount	10.000	Range 73 - 128	Recovery	=	102.70%		
57) 4-Bromofluorobenzene	8.51	95	37541	10.063	ppb	0.00	
Spiked Amount	10.000	Range 57 - 146	Recovery	=	100.60%		
Target Compounds							
2) Ethanol	2.35	45	194	No Calib			Qvalue
4) Dichlorodifluoromethane	0.00		0	N.D.			
5) Chloromethane	1.25	50	173	N.D.			
6) Vinyl chloride	0.00		0	N.D.			
7) Bromomethane	0.00		0	N.D. d			
8) Chloroethane	0.00		0	N.D.			
9) Trichlorofluoromethane	0.00		0	N.D.			
10) 2-Propanol	2.35	45	194	No Calib	#		
11) Acetone	2.34	58	161	Below Cal	#	68	
12) 1,1-Dichloroethene	0.00		0	N.D. d			
13) Hexane	3.16	57	479	0.147	ppb	91	
14) Methylene chloride	2.68	84	2638	Below Cal		96	
15) t-Butyl alcohol (TBA)	0.00		0	N.D.			
16) Methyl t-butyl ether (...)	0.00		0	N.D.			
17) trans-1,2-Dichloroethene	0.00		0	N.D.			
18) Diisopropyl ether (DIPE)	0.00		0	N.D.			
19) 1,1-Dichloroethane	0.00		0	N.D.			
20) Ethyl t-butyl ether (E...)	0.00		0	N.D.			
21) 2,2-Dichloropropane	3.76	77	88	Below Cal		48	
22] cis-1,2-Dichloroethene	3.77	96	101	0.030	ppb	94	
23) Chloroform	0.00		0	N.D.			
24) 2-Butanone (MEK)	3.87	43	253	Below Cal		55	
25) t-Amyl methyl ether (T...)	0.00		0	N.D.			
26] 1,2-Dichloroethane (EDC)	4.53	62	73	Below Cal		84	
27) 1,1,1-Trichloroethane	0.00		0	N.D.			
28) 1,1-Dichloropropene	0.00		0	N.D.			
29) Carbon tetrachloride	0.00		0	N.D.			
31) Benzene	0.00		0	N.D.			
32] Trichloroethene	5.05	95	743m	0.202	ppb		
33) 1,2-Dichloropropane	0.00		0	N.D.			
34) Bromodichloromethane	0.00		0	N.D.			
36) Dibromomethane	0.00		0	N.D.			

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111819.D
 Acq On : 18 Nov 2022 02:25 pm
 Operator : LM
 Sample : 211213-06 1/0.25
 Misc : soil
 ALS Vial : 14 Sample Multiplier: 1
 InstName : GCMS13

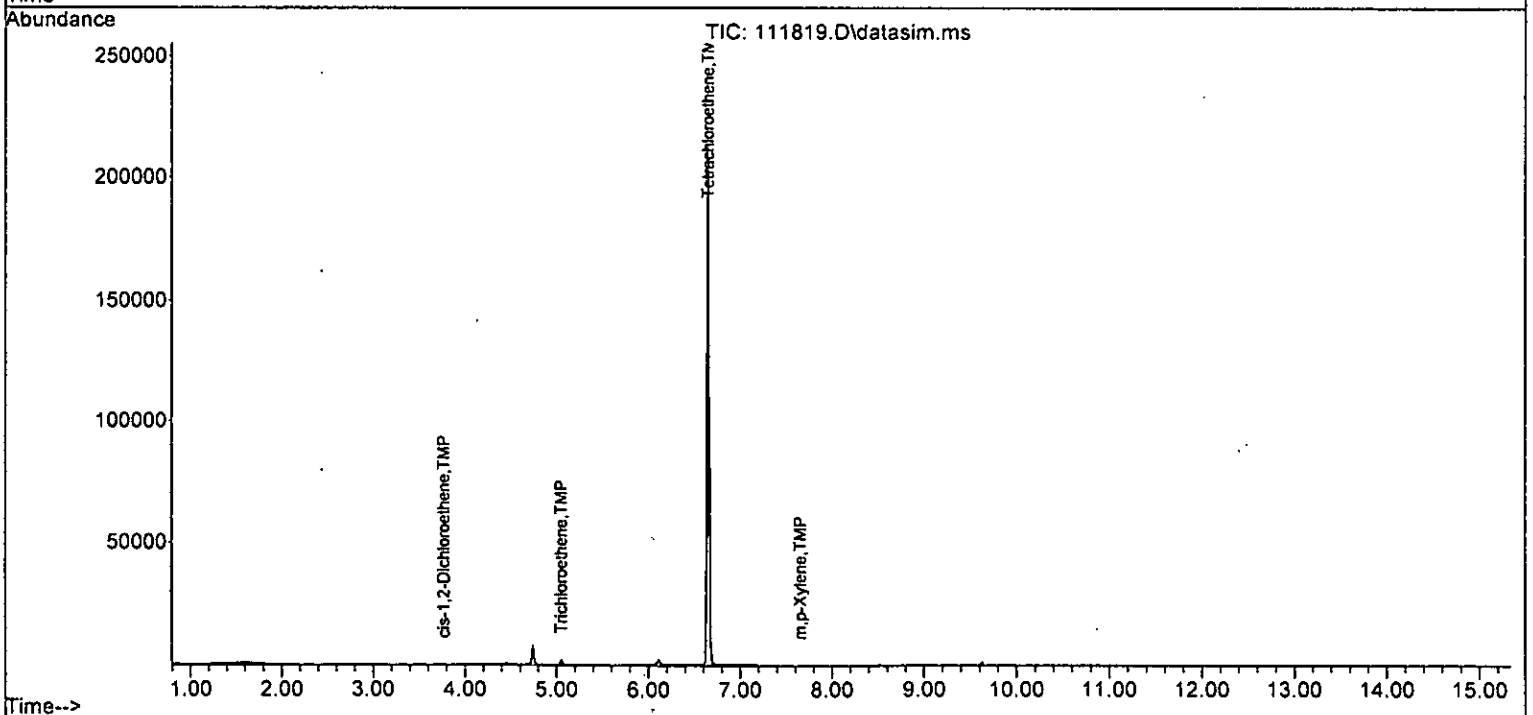
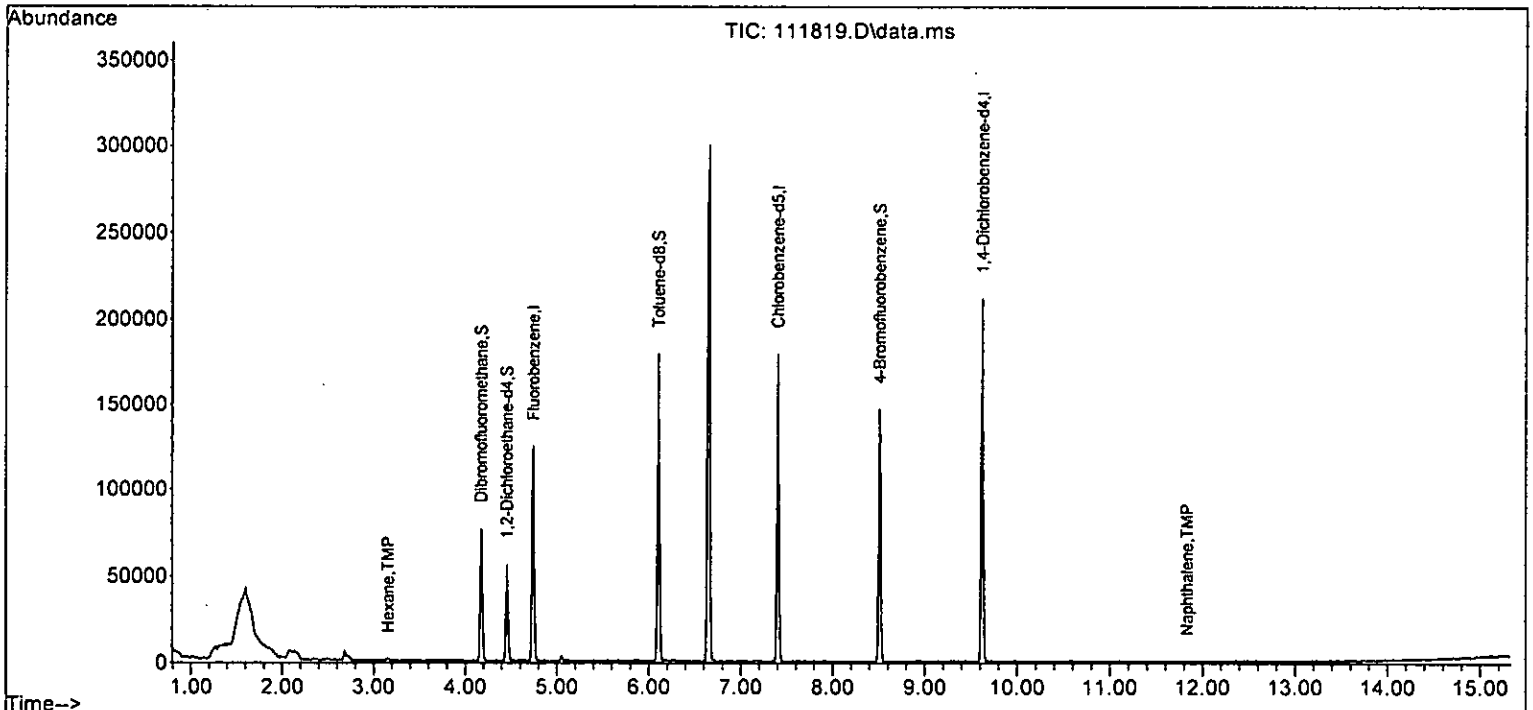
Quant Time: Nov 21 09:45:07 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.00		0		N.D.	
38) cis-1,3-Dichloropropene	0.00		0		N.D.	
40] Toluene	6.16	92	92	Below Cal		91
41) trans-1,3-Dichloropropene	6.39	75	52		N.D.	
42) 1,1,2-Trichloroethane	0.00		0		N.D. d	
43) 2-Hexanone	0.00		0		N.D. d	
44) 1,3-Dichloropropane	0.00		0		N.D.	
45] Tetrachloroethene	6.65	164	77206	21.680	ppb	95
46) Dibromochloromethane	0.00		0		N.D.	
47) 1,2-Dibromoethane (EDB)	0.00		0		N.D.	
48) Chlorobenzene	0.00		0		N.D.	
49) Ethylbenzene	7.54	91	69		N.D.	
50) 1,1,1,2-Tetrachloroethane	0.00		0		N.D.	
51] m,p-Xylene	7.65	106	69	0.013	ppb	88
52) o-Xylene	8.02	106	31		N.D.	
53) Styrene	0.00		0		N.D.	
54) Isopropylbenzene	8.37	105	118		N.D.	
55) Bromoform	0.00		0		N.D.	
58) n-Propylbenzene	8.96	91	58		N.D.	
59) Bromobenzene	0.00		0		N.D.	
60) 1,3,5-Trimethylbenzene	8.93	105	29		N.D.	
61) 1,1,2,2-Tetrachloroethane	0.00		0		N.D.	
62) 1,2,3-Trichloropropane	0.00		0		N.D. d	
63) 2-Chlorotoluene	8.96	91	58		N.D.	
64) 4-Chlorotoluene	8.96	91	58		N.D.	
65) tert-Butylbenzene	0.00		0		N.D.	
66) 1,2,4-Trimethylbenzene	9.30	105	108		N.D.	
67) sec-Butylbenzene	9.46	105	73		N.D.	
68) p-Isopropyltoluene	9.60	119	91		N.D.	
69) 1,3-Dichlorobenzene	9.56	146	33		N.D.	
70) 1,4-Dichlorobenzene	9.56	146	33		N.D.	
71) 1,2-Dichlorobenzene	0.00		0		N.D.	
72) 1,2-Dibromo-3-chloropr...	10.75	75	25		N.D.	
73) 1,2,4-Trichlorobenzene	0.00		0		N.D.	
74) Hexachlorobutadiene	0.00		0		N.D.	
75) Naphthalene	11.83	128	116	0.090	ppb	69
76) 1,2,3-Trichlorobenzene	0.00		0		N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS13\11-18-22\
Data File : 111819.D
Acq On : 18 Nov 2022 02:25 pm
Operator : LM
Sample : 211213-06 1/0.25
Misc : soil
ALS Vial : 14 Sample Multiplier: 1
InstName : GCMS13

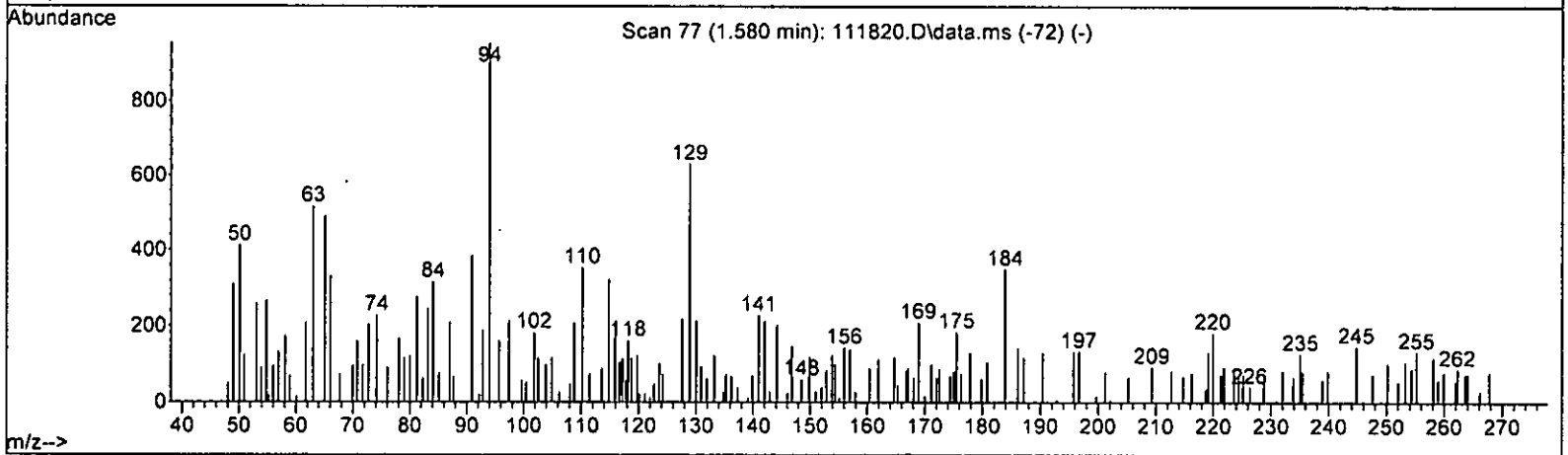
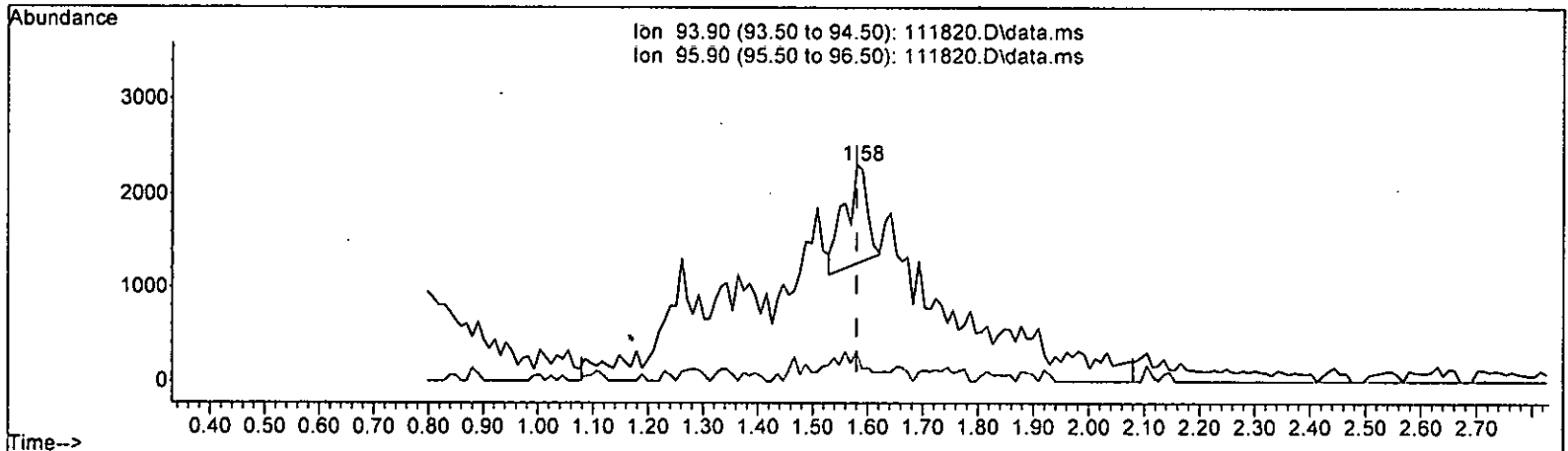
Quant Time: Nov 21 09:45:07 2022
Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
QLast Update : Mon Nov 07 15:16:10 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M



Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111820.D
 Acq On : 18 Nov 2022 02:48 pm
 Operator : LM
 Sample : 211213-08 1/0.25
 Misc : soil
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:45:11 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



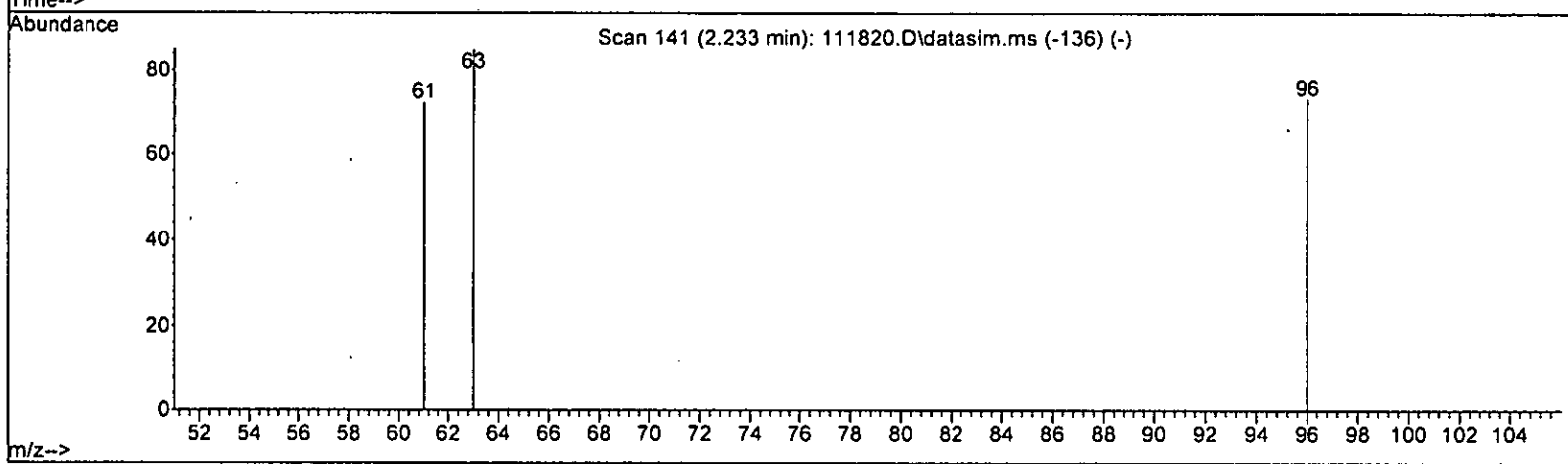
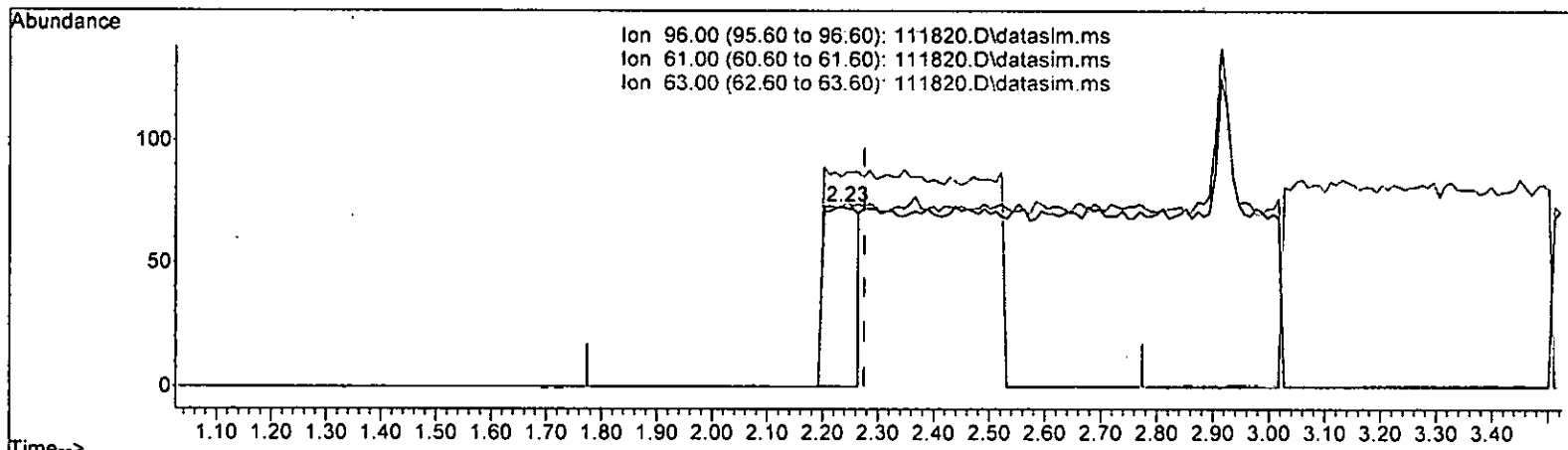
TIC: 111820.D\data.ms

(7) Bromomethane (TMP)		
1.580min (-0.000) 0.710 ppb		
response	3060	
Ion	Exp%	Act%
93.90	100.00	100.00
95.90	93.50	24.40#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111820.D
 Acq On : 18 Nov 2022 02:48 pm
 Operator : LM
 Sample : 211213-08 1/0.25
 Misc : soil
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:45:11 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 111820.D\data.ms

(12) 1,1-Dichloroethene (TMP)

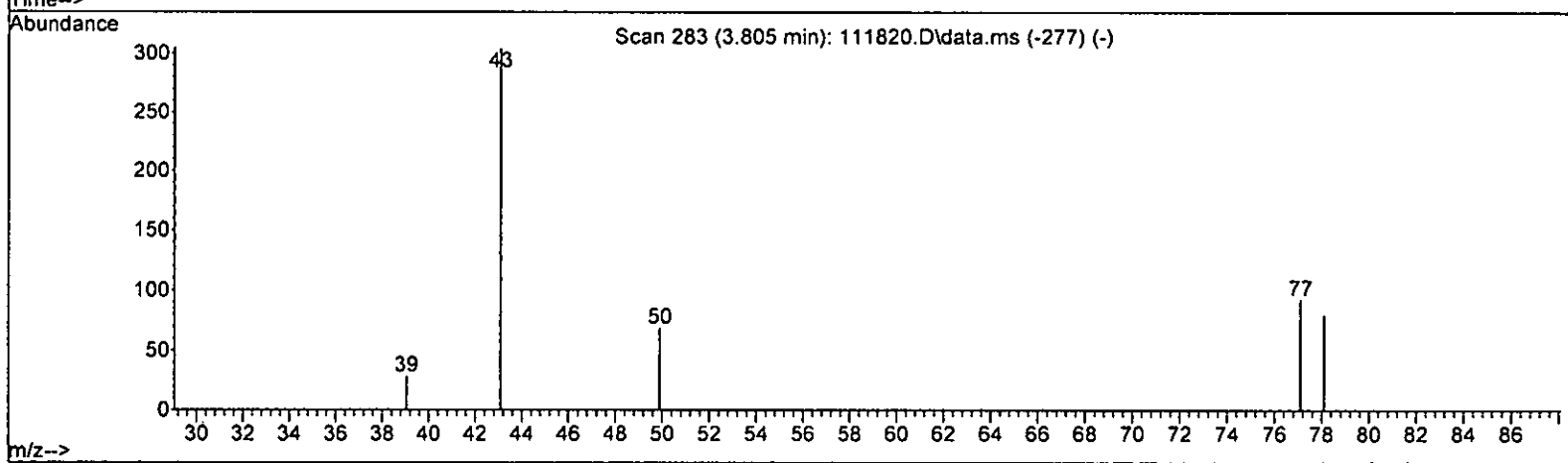
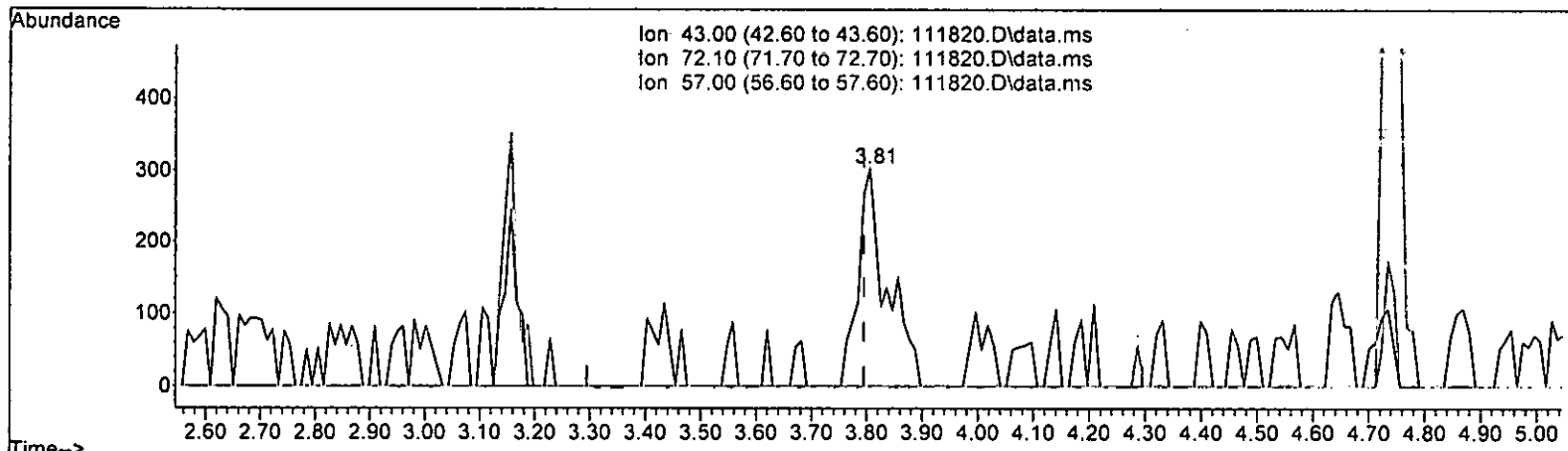
2.233min (-0.042) 0.109 ppb

response	309
Ion	Exp% Act%
96.00	100.00 100.00
61.00	120.90 98.63
63.00	43.90 116.44#
0.00	0.00 0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111820.D
 Acq On : 18 Nov 2022 02:48 pm
 Operator : LM
 Sample : 211213-08 1/0.25
 Misc : soil
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:45:11 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 111820.D\data.ms

Retention Time (min)	Abundance	Identified Compound
3.805	1080	2-Butanone (MEK) (TMP)
43.00	~300	2-Butanone (MEK) (TMP)
72.10	~100	2-Butanone (MEK) (TMP)
57.00	~100	2-Butanone (MEK) (TMP)

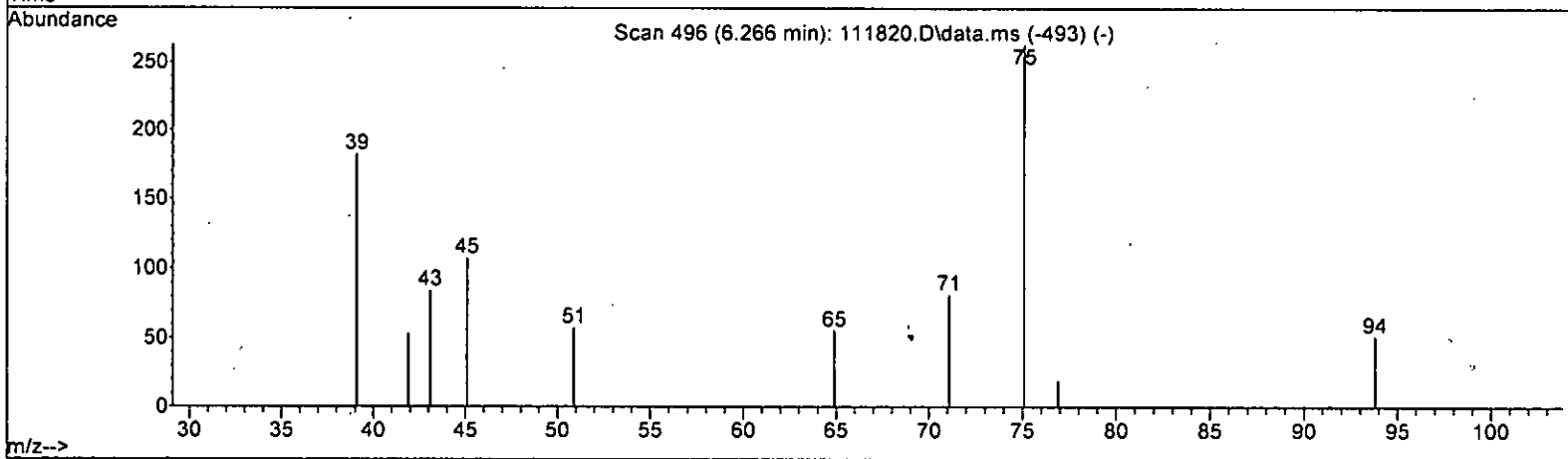
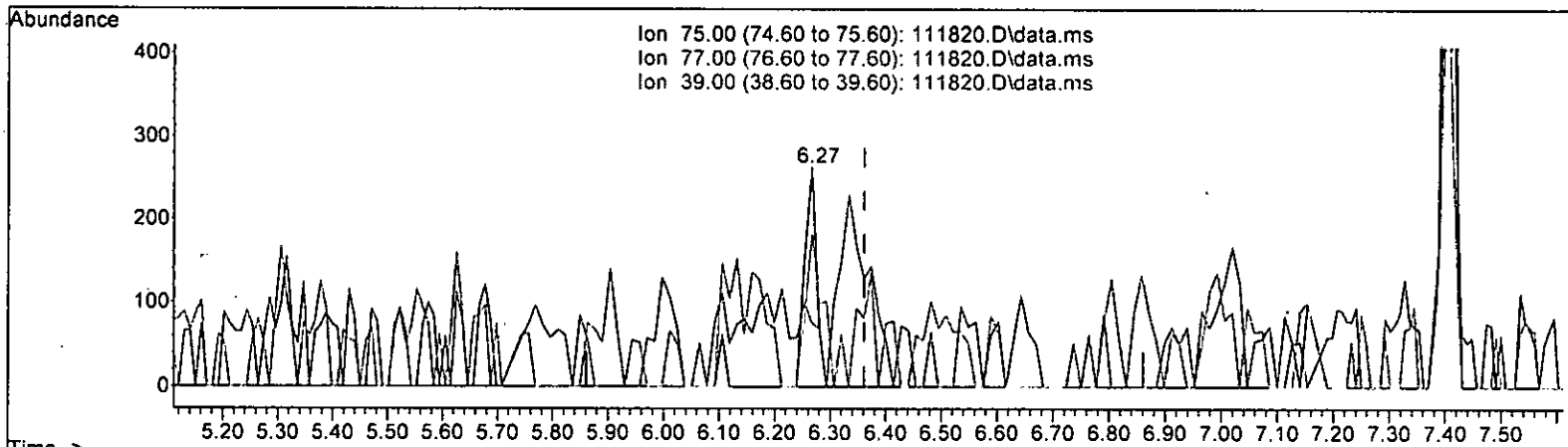
Retention Time (min)	Abundance	Identified Compound
3.805	1080	2-Butanone (MEK) (TMP)
3.805	0.610	2-Butanone (MEK) (TMP)

Ion	Exp%	Act%
43.00	100.00	100.00
72.10	27.00	0.00
57.00	8.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111820.D
 Acq On : 18 Nov 2022 02:48 pm
 Operator : LM
 Sample : 211213-08 1/0.25
 Misc : soil
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:45:11 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 111820.D\data.ms

(41) trans-1,3-Dichloropropene (TMP)

6.266min (-0.095) 0.126 ppb

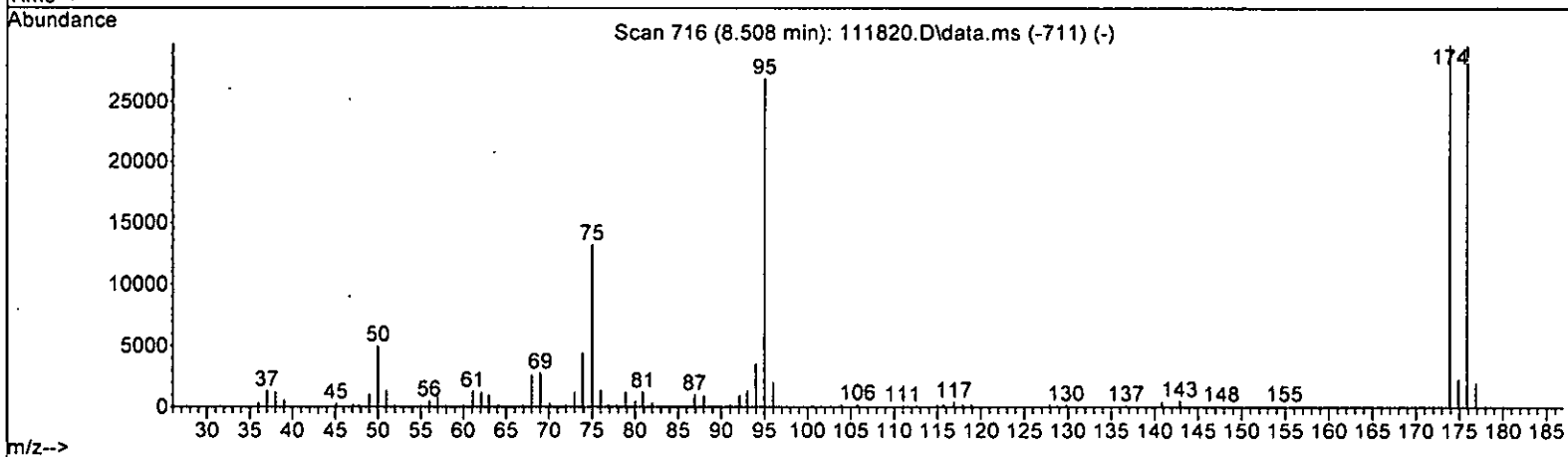
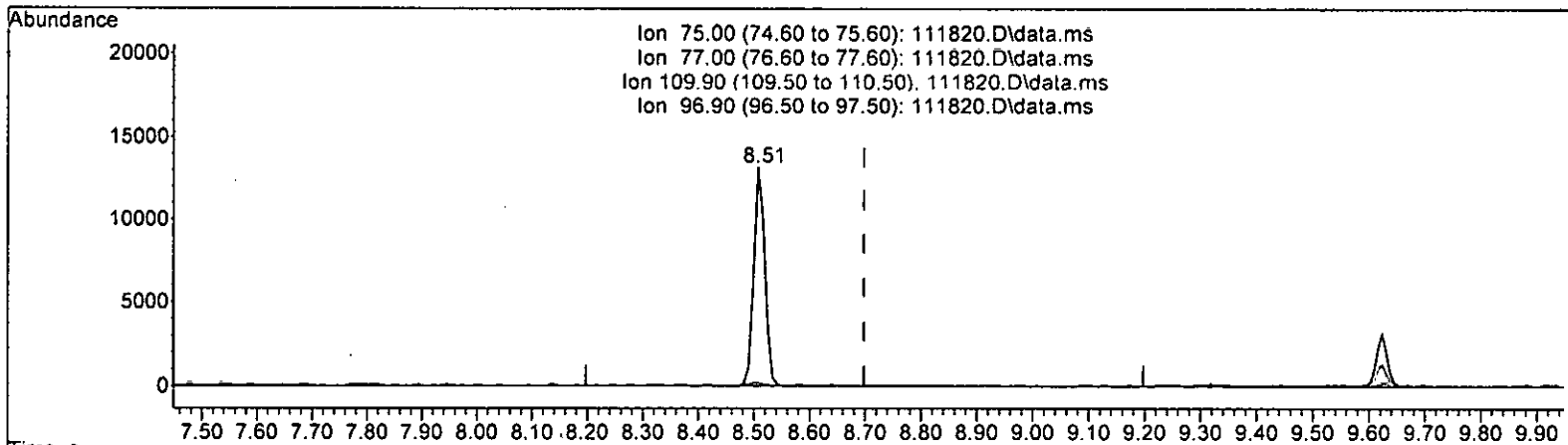
response 389

Ion	Exp%	Act%
75.00	100.00	100.00
77.00	32.60	7.22
39.00	46.30	69.20
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111820.D
 Acq On : 18 Nov 2022 02:48 pm
 Operator : LM
 Sample : 211213-08 1/0.25
 Misc : soil
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:45:11 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 111820.D\data.ms

(62) 1,2,3-Trichloropropane (TMP)			
8.508min (-0.190) 6.924 ppb			
response	17880		
Ion	Exp%	Act%	
75.00	100.00	100.00	
77.00	34.00	1.48#	
109.90	36.50	0.00#	
96.90	22.60	0.00	

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111820.D
 Acq On : 18 Nov 2022 02:48 pm
 Operator : LM
 Sample : 211213-08 1/0.25
 Misc : soil
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:45:11 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

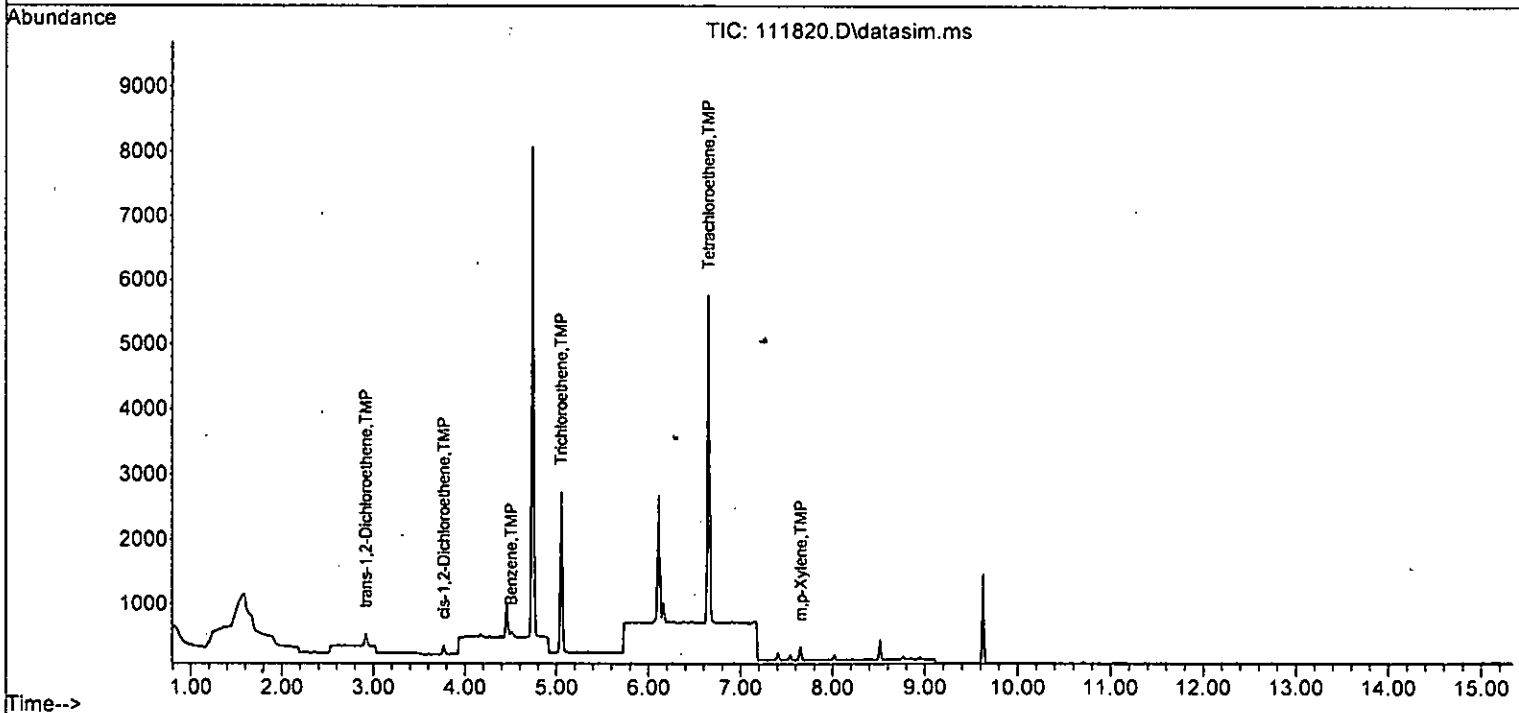
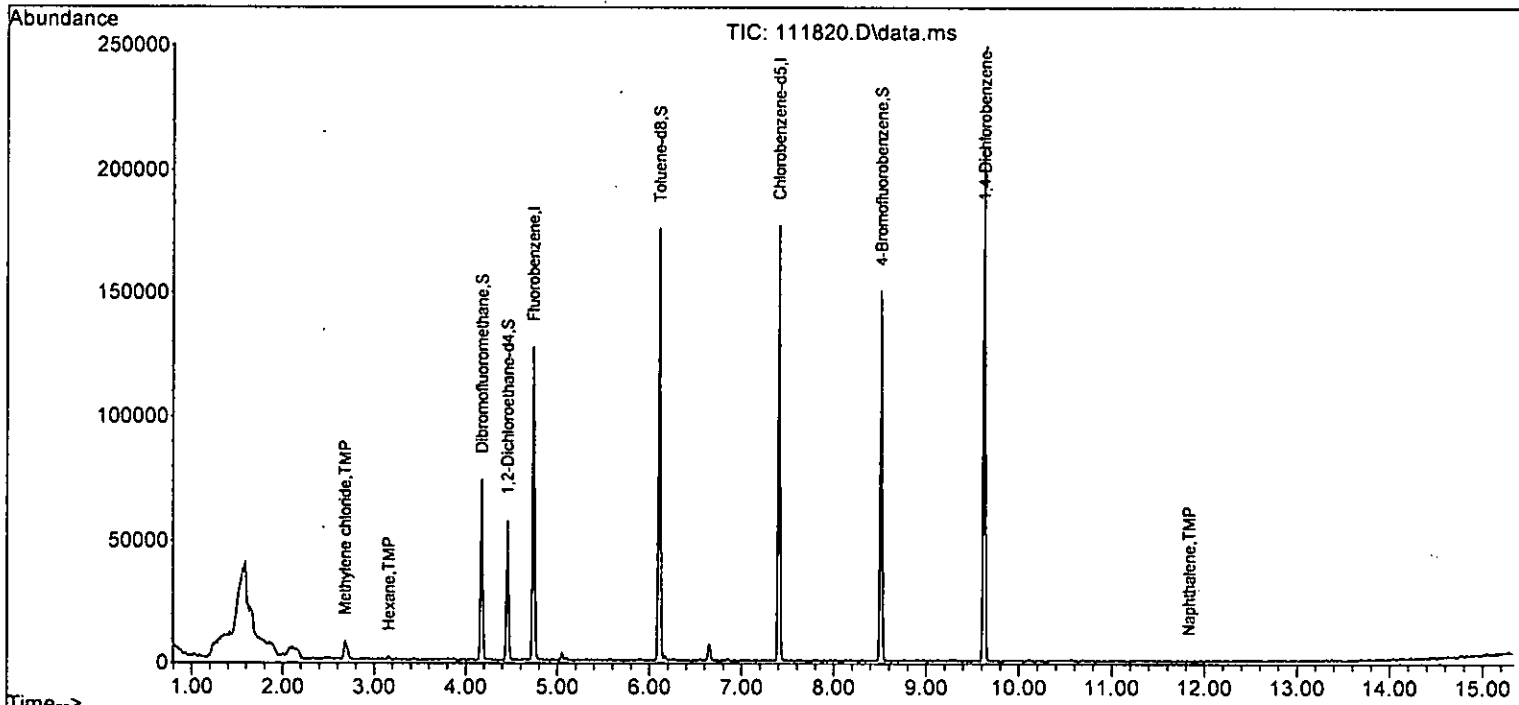
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

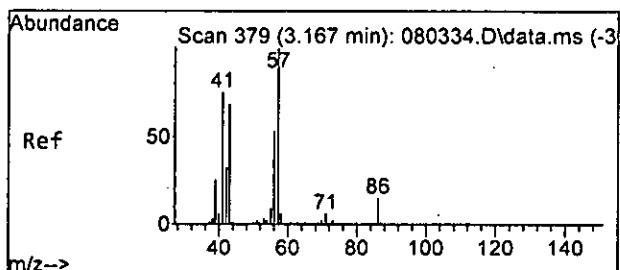
Internal Standards						
1) Fluorobenzene	4.73	96	99789	10.000	ppb	-0.01
39) Chlorobenzene-d5	7.40	117	91501	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	53112	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.17	113	33243	10.388	ppb	0.00
Spiked Amount	10.000	Range	50 - 150	Recovery	=	103.90%
30) 1,2-Dichloroethane-d4	4.45	102	6037	9.735	ppb	0.00
Spiked Amount	10.000	Range	84 - 120	Recovery	=	97.30%
35) Toluene-d8	6.11	98	96341	10.123	ppb	0.00
Spiked Amount	10.000	Range	73 - 128	Recovery	=	101.20%
57) 4-Bromofluorobenzene	8.51	95	37300	10.192	ppb	0.00
Spiked Amount	10.000	Range	57 - 146	Recovery	=	101.90%
Target Compounds						
11) Acetone	2.34	58	35	Below Cal	#	1
13) Hexane	3.16	57	618	0.192	ppb	89
14) Methylene chloride	2.68	84	4887	0.621	ppb	93
17] trans-1,2-Dichloroethene	2.91	96	88	0.028	ppb	90
22] cis-1,2-Dichloroethene	3.77	96	95	0.029	ppb	80
26] 1,2-Dichloroethane (EDC)	4.52	62	80	Below Cal		89
31] Benzene	4.50	78	112	0.010	ppb	87
32] Trichloroethene	5.05	95	838	0.229	ppb	# 62
45] Tetrachloroethene	6.65	164	1839	0.491	ppb	94
51] m,p-Xylene	7.65	106	115	0.021	ppb	# 79
75) Naphthalene	11.83	128	148	0.093	ppb	69

(#) = qualifier out of range (m) = manual integration (+) = signals summed

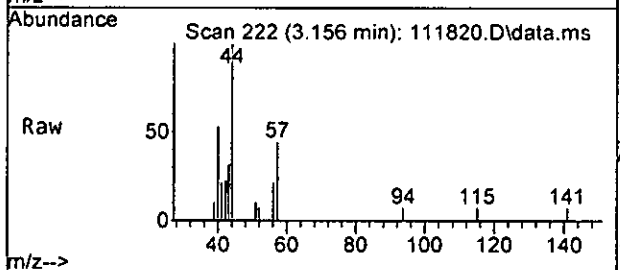
Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111820.D
 Acq On : 18 Nov 2022 02:48 pm
 Operator : LM
 Sample : 211213-08 1/0.25
 Misc : soil
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:45:11 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

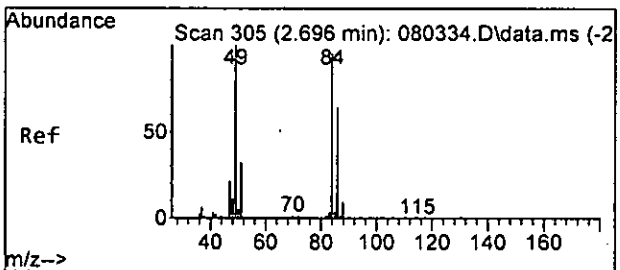
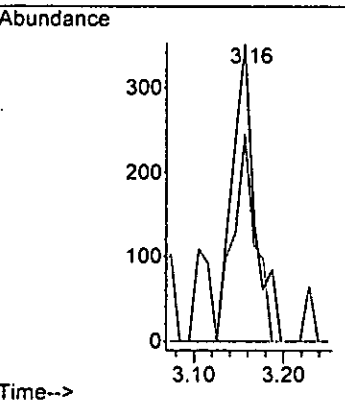
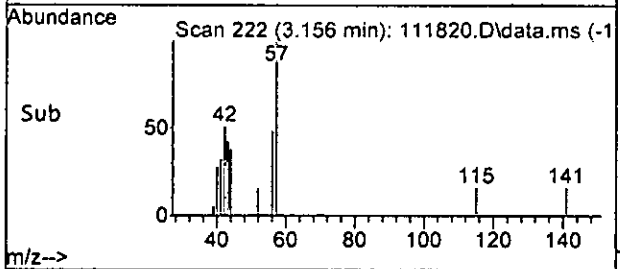




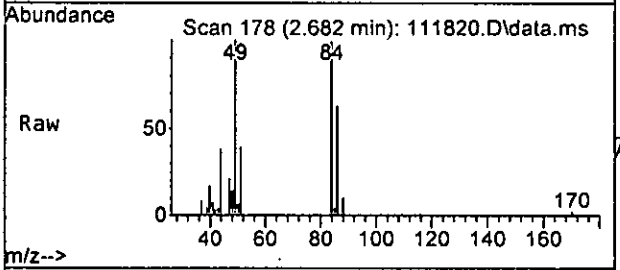
#13
Hexane
Concen: 0.192 ppb
RT: 3.16 min Scan# 222
Delta R.T. -0.001 min
Lab File: 111820.D
Acq: 18 Nov 2022 02:48 pm



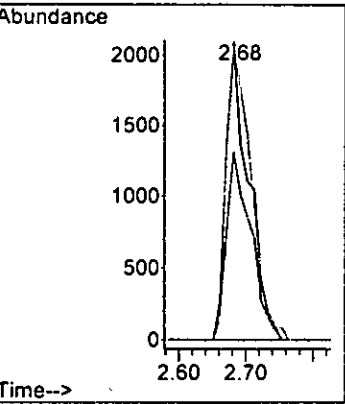
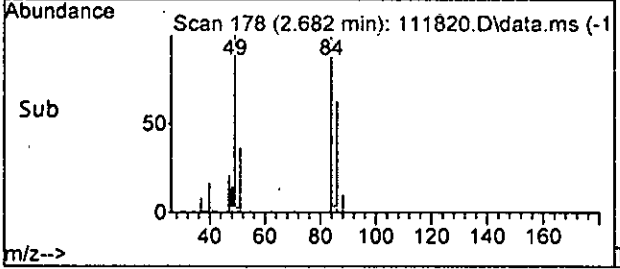
Tgt Ion: 57 Resp: 618
Ion Ratio Lower Upper
57 100
43 69.8 35.4 95.4
86 0.0 0.0 44.8

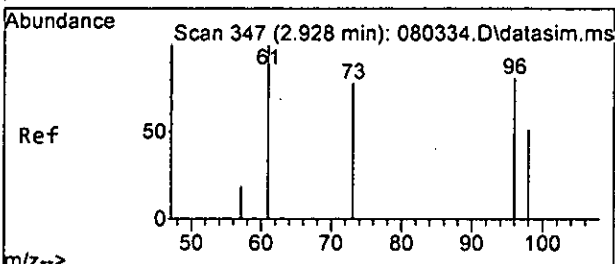


#14
Methylene chloride
Concen: 0.621 ppb
RT: 2.68 min Scan# 178
Delta R.T. -0.000 min
Lab File: 111820.D
Acq: 18 Nov 2022 02:48 pm



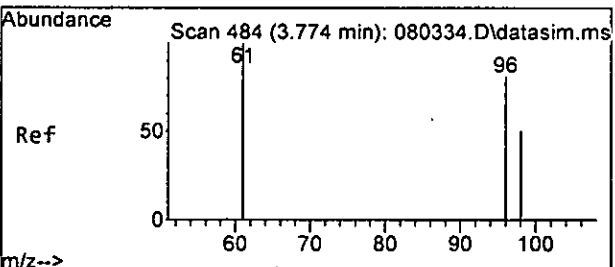
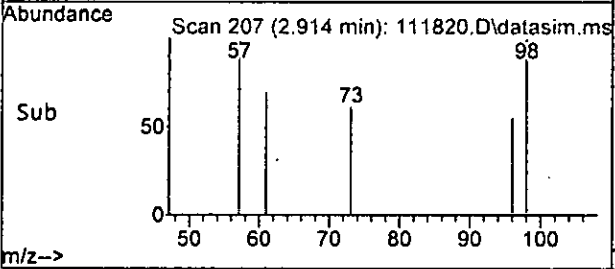
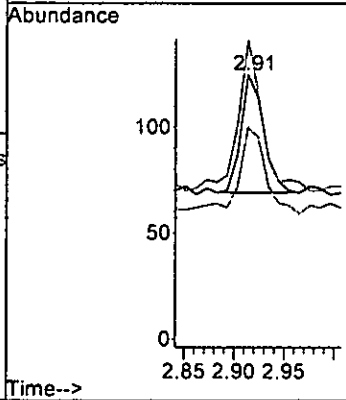
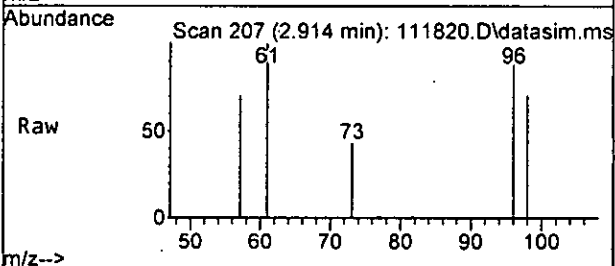
Tgt Ion: 84 Resp: 4887
Ion Ratio Lower Upper
84 100
86 63.4 37.1 97.1
49 101.5 81.3 141.3





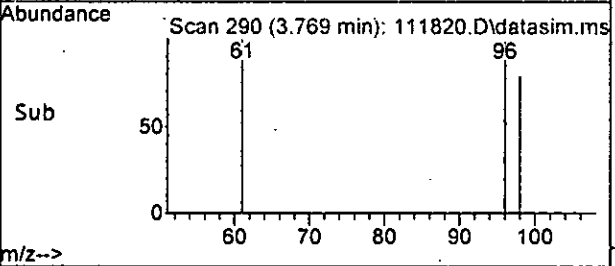
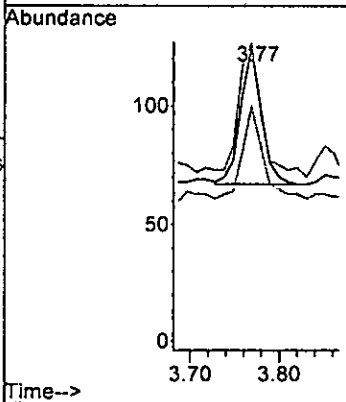
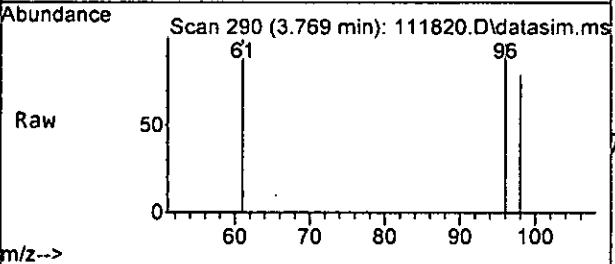
#17
 trans-1,2-Dichloroethene
 Concen: 0.028 ppb
 RT: 2.91 min Scan# 207
 Delta R.T. -0.011 min
 Lab File: 111820.D
 Acq: 18 Nov 2022 02:48 pm

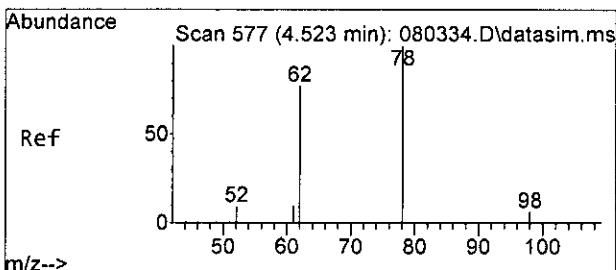
Tgt Ion: 96 Resp: 88
 Ion Ratio Lower Upper
 96 100
 61 121.4 78.7 138.7
 98 73.2 37.3 97.3



#22
 cis-1,2-Dichloroethene
 Concen: 0.029 ppb
 RT: 3.77 min Scan# 290
 Delta R.T. -0.000 min
 Lab File: 111820.D
 Acq: 18 Nov 2022 02:48 pm

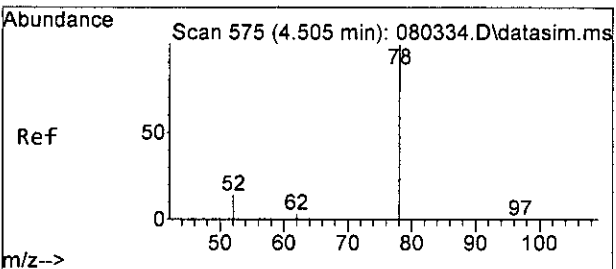
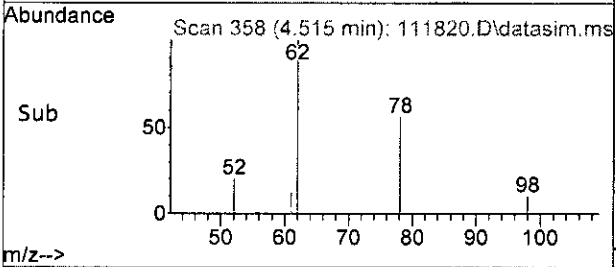
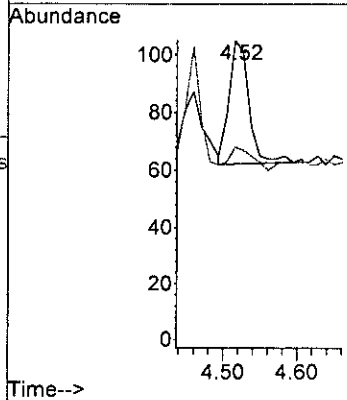
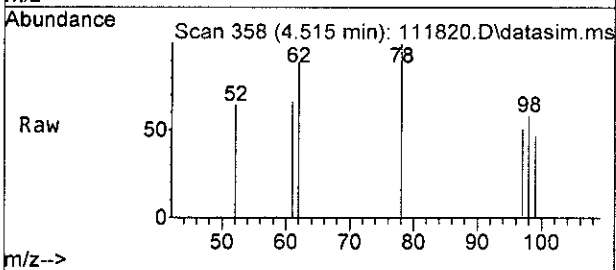
Tgt Ion: 96 Resp: 95
 Ion Ratio Lower Upper
 96 100
 61 93.1 92.3 152.3
 98 67.2 32.0 92.0





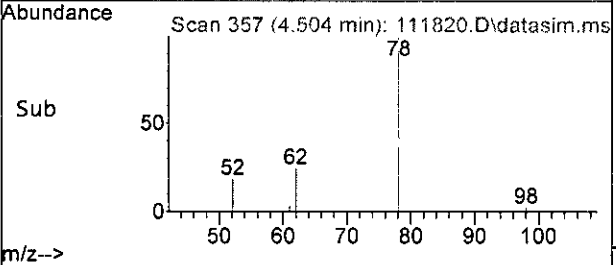
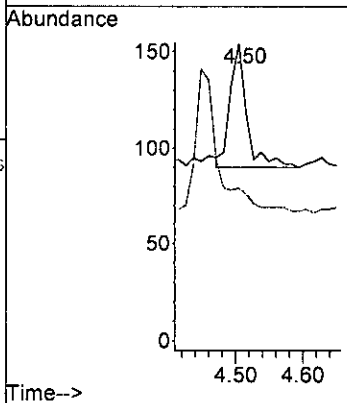
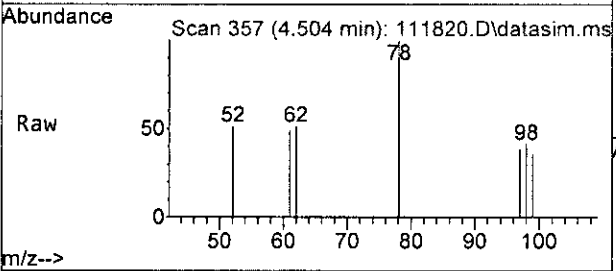
#26
 1,2-Dichloroethane (EDC)
 Concen: Below Cal
 RT: 4.52 min Scan# 358
 Delta R.T. -0.012 min
 Lab File: 111820.D
 Acq: 18 Nov 2022 02:48 pm

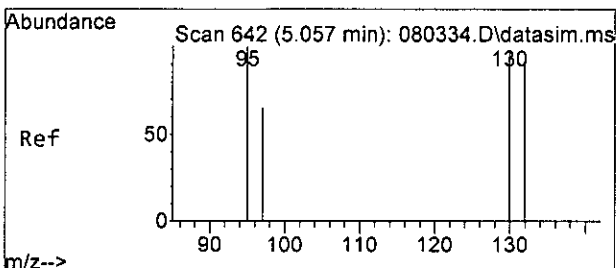
Tgt Ion: 62 Resp: 80
 Ion Ratio Lower Upper
 62 100
 98 14.3 0.0 40.1



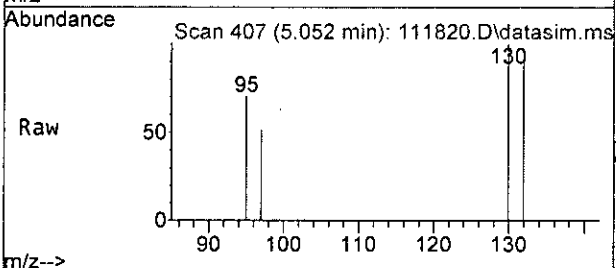
#31
 Benzene
 Concen: 0.010 ppb
 RT: 4.50 min Scan# 357
 Delta R.T. -0.001 min
 Lab File: 111820.D
 Acq: 18 Nov 2022 02:48 pm

Tgt Ion: 78 Resp: 112
 Ion Ratio Lower Upper
 78 100
 52 18.8 0.0 43.5

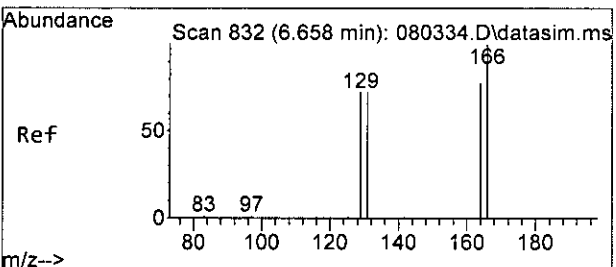
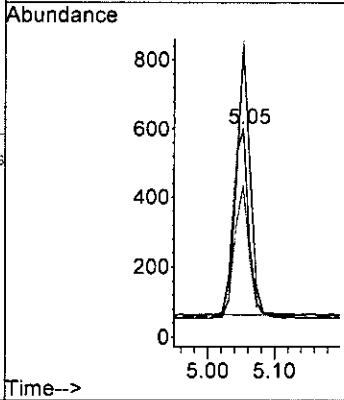
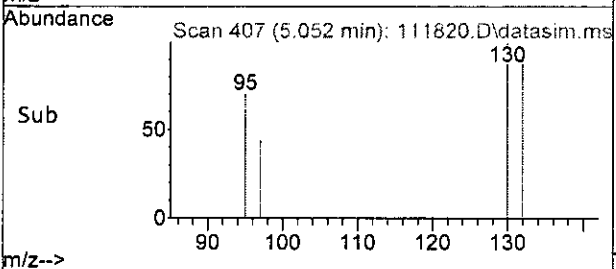




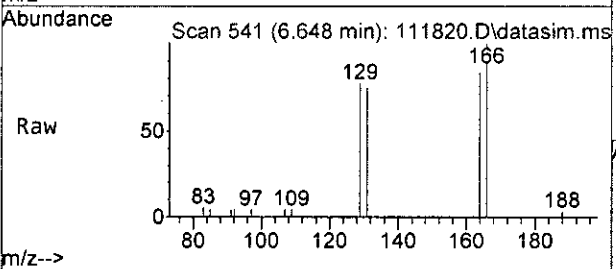
#32
 Trichloroethene
 Concen: 0.229 ppb
 RT: 5.05 min Scan# 407
 Delta R.T. -0.001 min
 Lab File: 111820.D
 Acq: 18 Nov 2022 02:48 pm



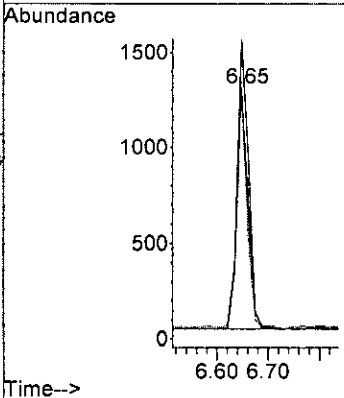
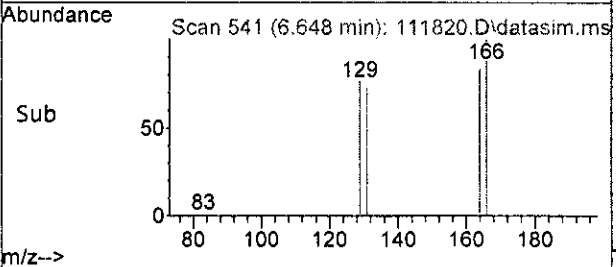
Tgt Ion: 95 Resp: 838
 Ion Ratio Lower Upper
 95 100
 97 70.3 34.6 94.6
 130 149.3 73.4 133.4#
 132 144.6 65.8 125.8#

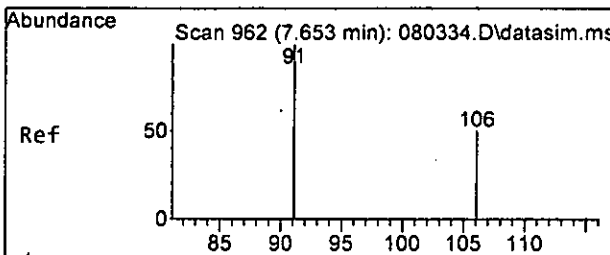


#45
 Tetrachloroethene
 Concen: 0.491 ppb
 RT: 6.65 min Scan# 541
 Delta R.T. -0.000 min
 Lab File: 111820.D
 Acq: 18 Nov 2022 02:48 pm



Tgt Ion: 164 Resp: 1839
 Ion Ratio Lower Upper
 164 100
 129 91.4 72.1 132.1
 131 87.6 64.8 124.8
 166 120.6 90.0 150.0

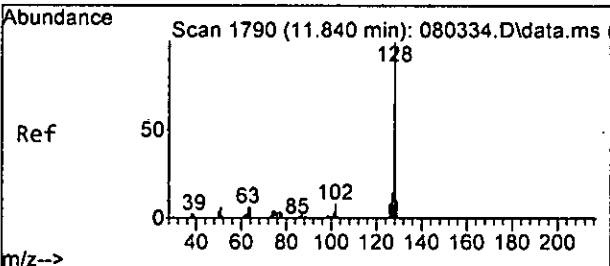
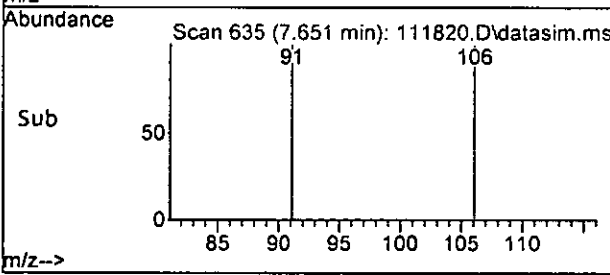
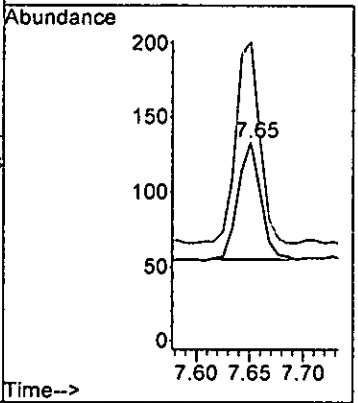
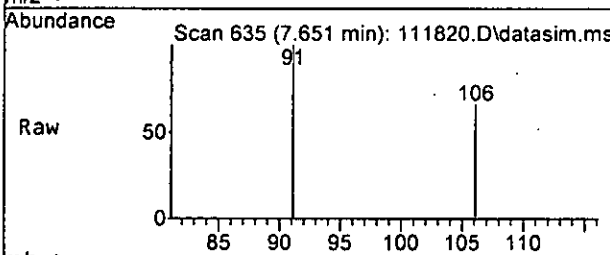




#51
 m,p-Xylene
 Concen: 0.021 ppb
 RT: 7.65 min Scan# 635
 Delta R.T. -0.000 min
 Lab File: 111820.D
 Acq: 18 Nov 2022 02:48 pm

Tgt Ion: 106 Resp: 115

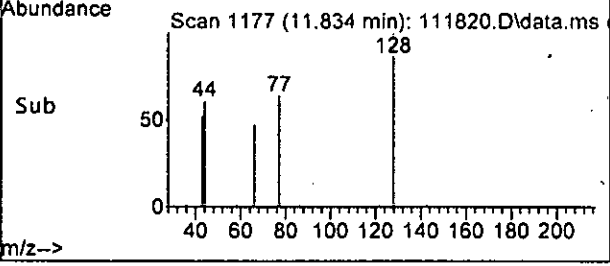
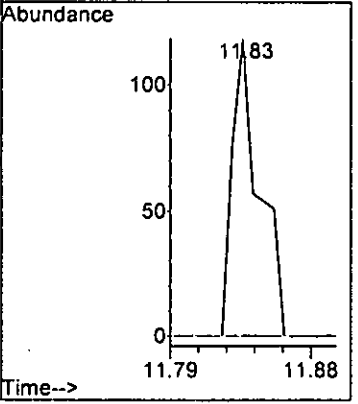
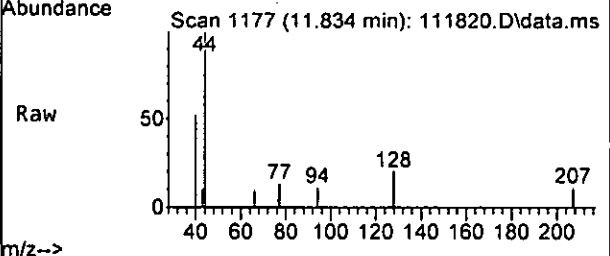
Ion	Ratio	Lower	Upper
106	100		
91	173.1	175.7	235.7#



#75
 Naphthalene
 Concen: 0.093 ppb
 RT: 11.83 min Scan# 1177
 Delta R.T. -0.001 min
 Lab File: 111820.D
 Acq: 18 Nov 2022 02:48 pm

Tgt Ion: 128 Resp: 148

Ion	Ratio	Lower	Upper
128	100		
129	0.0	0.0	40.8
127	0.0	0.0	43.1



Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111820.D
 Acq On : 18 Nov 2022 02:48 pm
 Operator : LM
 Sample : 211213-08 1/0.25
 Misc : soil
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:45:11 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) Fluorobenzene	4.73	96	99789	10.000	ppb	-0.01	
39) Chlorobenzene-d5	7.40	117	91501	10.000	ppb	0.00	
56) 1,4-Dichlorobenzene-d4	9.62	152	53112	10.000	ppb	0.00	
System Monitoring Compounds							
3) Dibromofluoromethane	4.17	113	33243	10.388	ppb	0.00	
Spiked Amount	10.000	Range 50 - 150	Recovery =	103.90%			
30) 1,2-Dichloroethane-d4	4.45	102	6037	9.735	ppb	0.00	
Spiked Amount	10.000	Range 84 - 120	Recovery =	97.30%			
35) Toluene-d8	6.11	98	96341	10.123	ppb	0.00	
Spiked Amount	10.000	Range 73 - 128	Recovery =	101.20%			
57) 4-Bromofluorobenzene	8.51	95	37300	10.192	ppb	0.00	
Spiked Amount	10.000	Range 57 - 146	Recovery =	101.90%			
Target Compounds							
2) Ethanol	2.34	45	83	No Calib			Qvalue
4) Dichlorodifluoromethane	0.00		0	N.D.			
5) Chloromethane	1.23	50	448	N.D.			
6) Vinyl chloride	0.00		0	N.D.			
7) Bromomethane	0.00		0	N.D. d			
8) Chloroethane	0.00		0	N.D.			
9) Trichlorofluoromethane	1.81	101	31	N.D.			
10) 2-Propanol	2.34	45	83	No Calib #			
11) Acetone	2.34	58	35	Below Cal #		1	
12) 1,1-Dichloroethene	0.00		0	N.D. d			
13) Hexane	3.16	57	618	0.192 ppb		89	
14) Methylene chloride	2.68	84	4887	0.621 ppb		93	
15) t-Butyl alcohol (TBA)	0.00		0	N.D.			
16) Methyl t-butyl ether (...)	0.00		0	N.D.			
17] trans-1,2-Dichloroethene	2.91	96	88	0.028 ppb		90	
18) Diisopropyl ether (DIPE)	3.30	45	49	N.D.			
19) 1,1-Dichloroethane	0.00		0	N.D.			
20) Ethyl t-butyl ether (E...)	0.00		0	N.D.			
21) 2,2-Dichloropropane	3.74	77	118	N.D.			
22] cis-1,2-Dichloroethene	3.77	96	95	0.029 ppb		80	
23) Chloroform	0.00		0	N.D.			
24) 2-Butanone (MEK)	0.00		0	N.D. d			
25) t-Amyl methyl ether (T...)	0.00		0	N.D.			
26] 1,2-Dichloroethane (EDC)	4.52	62	80	Below Cal		89	
27) 1,1,1-Trichloroethane	0.00		0	N.D.			
28) 1,1-Dichloropropene	0.00		0	N.D.			
29) Carbon tetrachloride	0.00		0	N.D.			
31] Benzene	4.50	78	112	0.010 ppb		87	
32] Trichloroethene	5.05	95	838	0.229 ppb #		62	
33) 1,2-Dichloropropane	5.36	63	33	N.D.			
34) Bromodichloromethane	0.00		-0	N.D.			
36) Dibromomethane	0.00		0	N.D.			

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111820.D
 Acq On : 18 Nov 2022 02:48 pm
 Operator : LM
 Sample : 211213-08 1/0.25
 Misc : soil
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS13

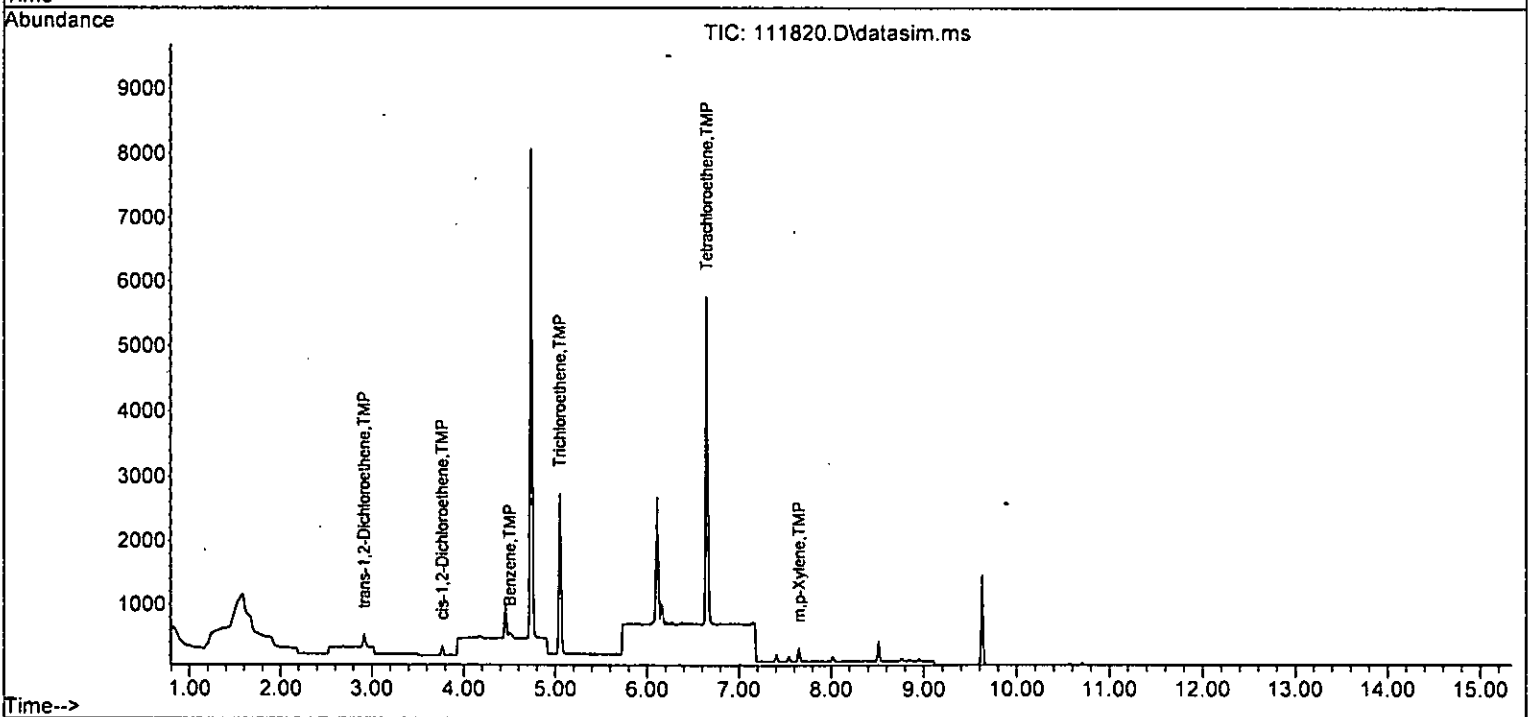
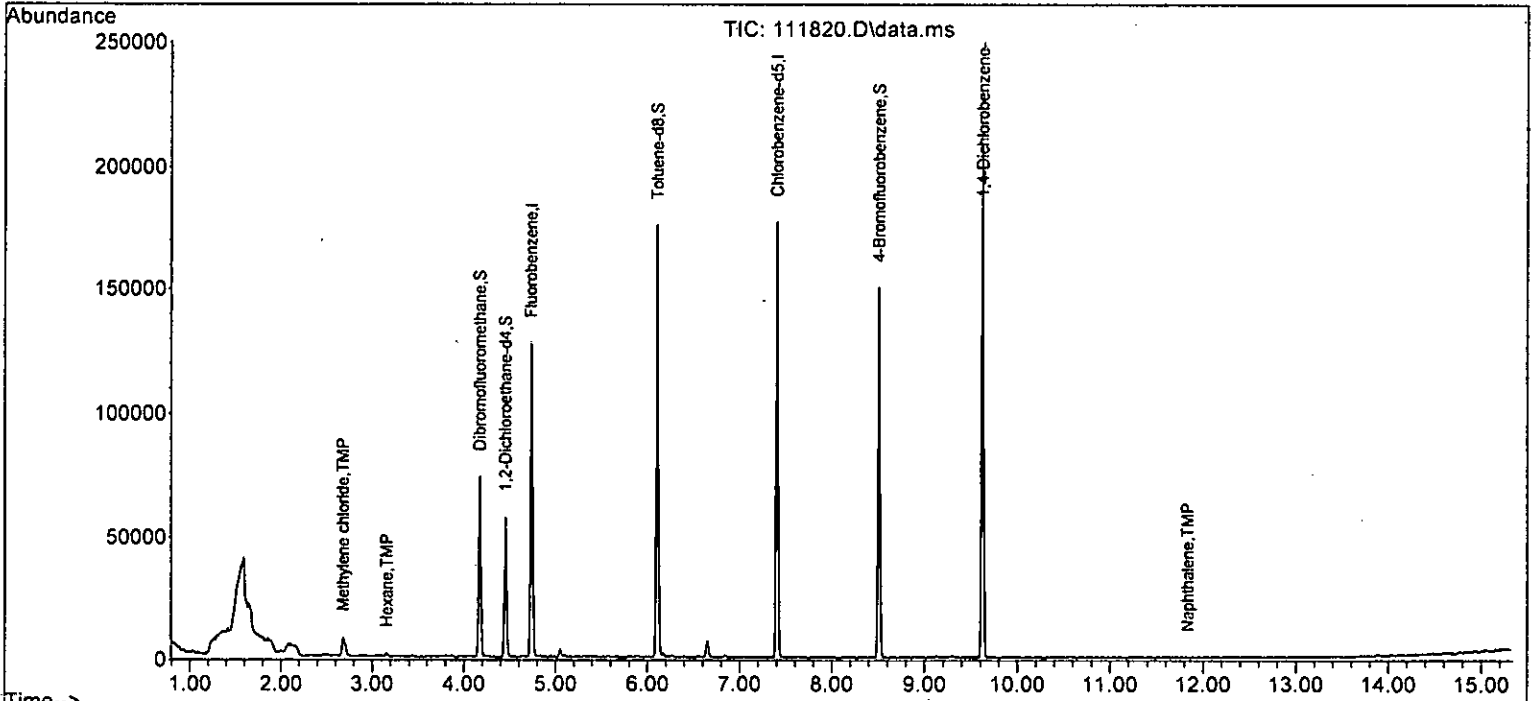
Quant Time: Nov 21 09:45:11 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.00		0		N.D.	
38) cis-1,3-Dichloropropene	0.00		0		N.D.	
40) Toluene	6.16	92	158		N.D.	
41) trans-1,3-Dichloropropene	0.00		0		N.D. d	
42) 1,1,2-Trichloroethane	6.65	83	39		N.D.	
43) 2-Hexanone	6.75	43	48		N.D.	
44) 1,3-Dichloropropane	0.00		0		N.D.	
45] Tetrachloroethene	6.65	164	1839	0.491	ppb	94
46) Dibromochloromethane	0.00		0		N.D.	
47) 1,2-Dibromoethane (EDB)	0.00		0		N.D.	
48) Chlorobenzene	0.00		0		N.D.	
49) Ethylbenzene	7.54	91	94		N.D.	
50) 1,1,1,2-Tetrachloroethane	0.00		0		N.D.	
51] m,p-Xylene	7.65	106	115	0.021	ppb #	79
52) o-Xylene	8.02	106	42		N.D.	
53) Styrene	0.00		0		N.D.	
54) Isopropylbenzene	8.36	105	133		N.D.	
55) Bromoform	0.00		0		N.D.	
58) n-Propylbenzene	8.77	91	160		N.D.	
59) Bromobenzene	0.00		0		N.D.	
60) 1,3,5-Trimethylbenzene	8.85	105	29		N.D.	
61) 1,1,2,2-Tetrachloroethane	0.00		0		N.D.	
62) 1,2,3-Trichloropropane	0.00		0		N.D. d	
63) 2-Chlorotoluene	8.77	91	160		N.D.	
64) 4-Chlorotoluene	8.77	91	160		N.D.	
65) tert-Butylbenzene	0.00		0		N.D.	
66) 1,2,4-Trimethylbenzene	9.30	105	130		N.D.	
67) sec-Butylbenzene	9.62	105	25		N.D.	
68) p-Isopropyltoluene	9.61	119	155		N.D.	
69) 1,3-Dichlorobenzene	0.00		0		N.D.	
70) 1,4-Dichlorobenzene	0.00		0		N.D.	
71) 1,2-Dichlorobenzene	0.00		0		N.D.	
72) 1,2-Dibromo-3-chloropr...	0.00		0		N.D.	
73) 1,2,4-Trichlorobenzene	11.59	180	25		N.D.	
74) Hexachlorobutadiene	0.00		0		N.D.	
75) Naphthalene	11.83	128	148	0.093	ppb	69
76) 1,2,3-Trichlorobenzene	0.00		0		N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111820.D
 Acq On : 18 Nov 2022 02:48 pm
 Operator : LM
 Sample : 211213-08 1/0.25
 Misc : soil
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS13

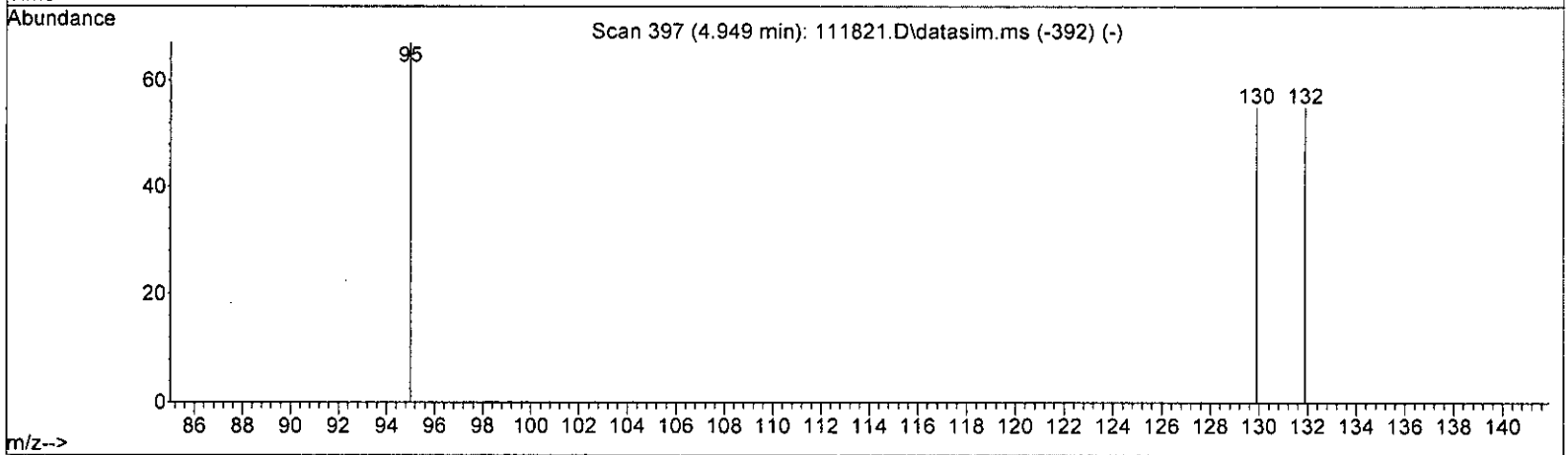
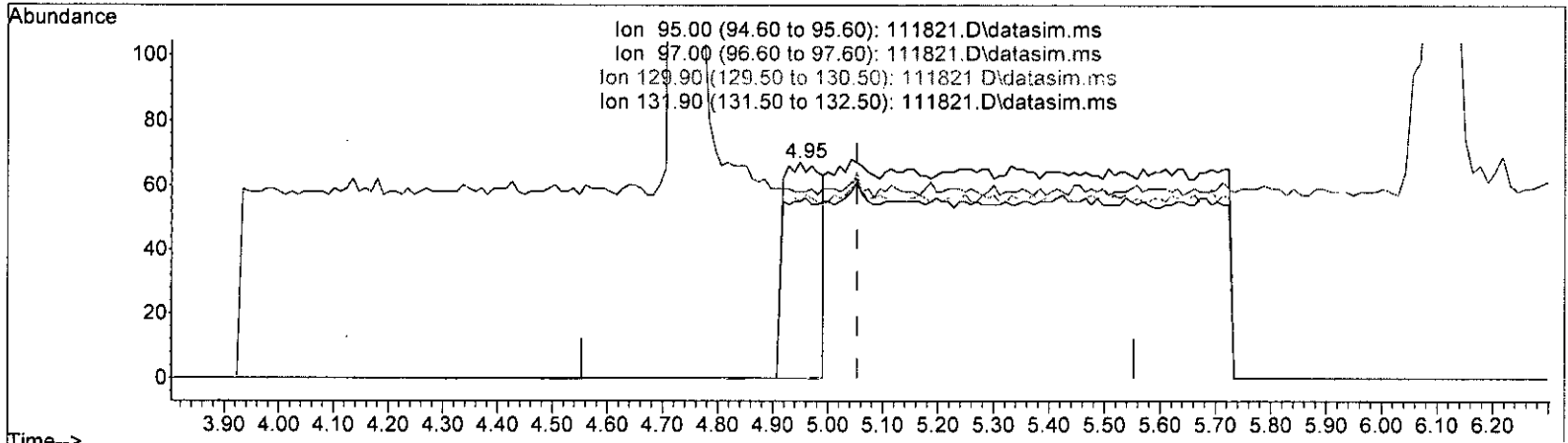
Quant Time: Nov 21 09:45:11 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111821.D
 Acq On : 18 Nov 2022 03:11 pm
 Operator : LM
 Sample : 211213-09 1/0.25
 Misc : soil
 ALS Vial : 16 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:45:15 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



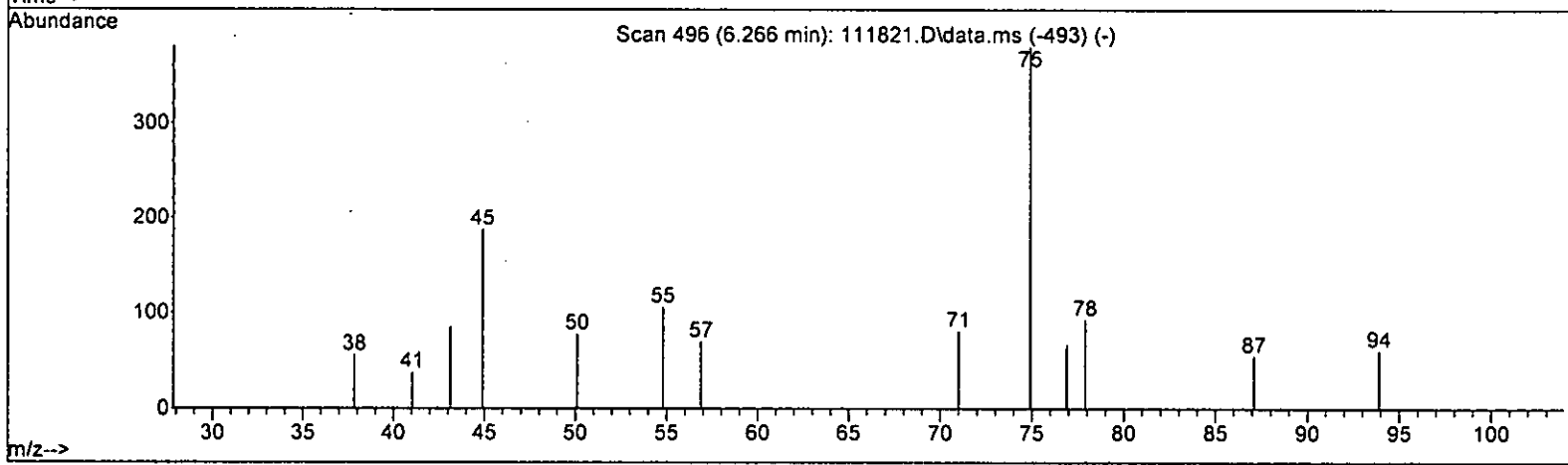
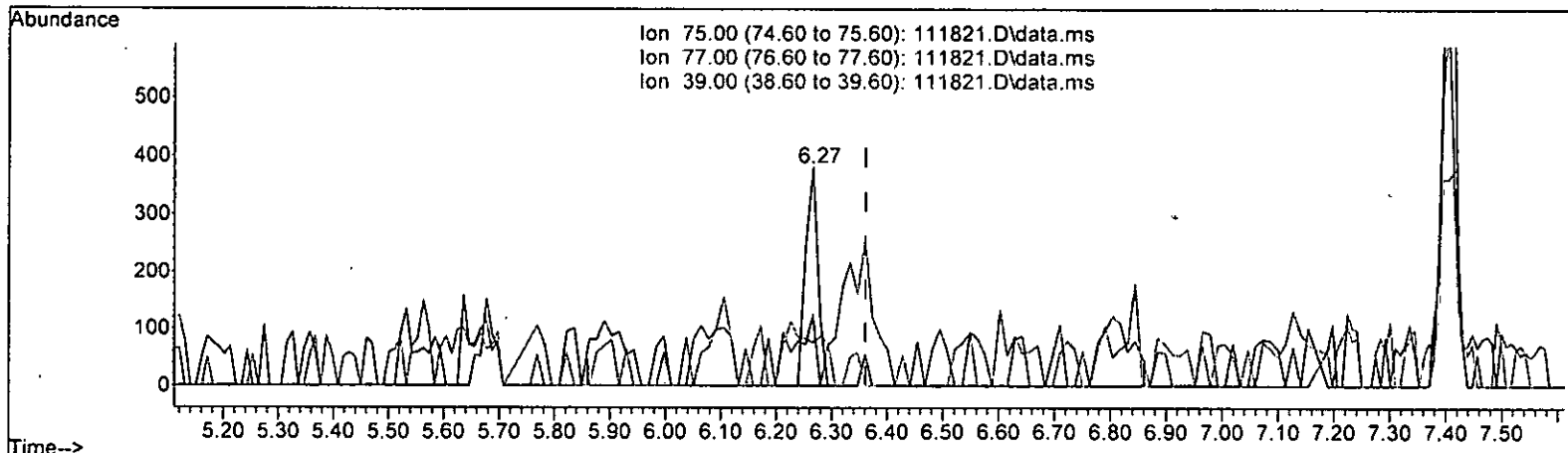
TIC: 111821.D\data.ms

(32) Trichloroethene (TMP)		
4.949min (-0.104) 0.092 ppb		
response	325	
Ion	Exp%	Act%
95.00	100.00	100.00
97.00	64.60	0.00#
129.90	103.40	82.09
131.90	95.80	82.09

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111821.D
 Acq On : 18 Nov 2022 03:11 pm
 Operator : LM
 Sample : 211213-09 1/0.25
 Misc : soil
 ALS Vial : 16 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:45:15 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 Qlast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 111821.D\data.ms

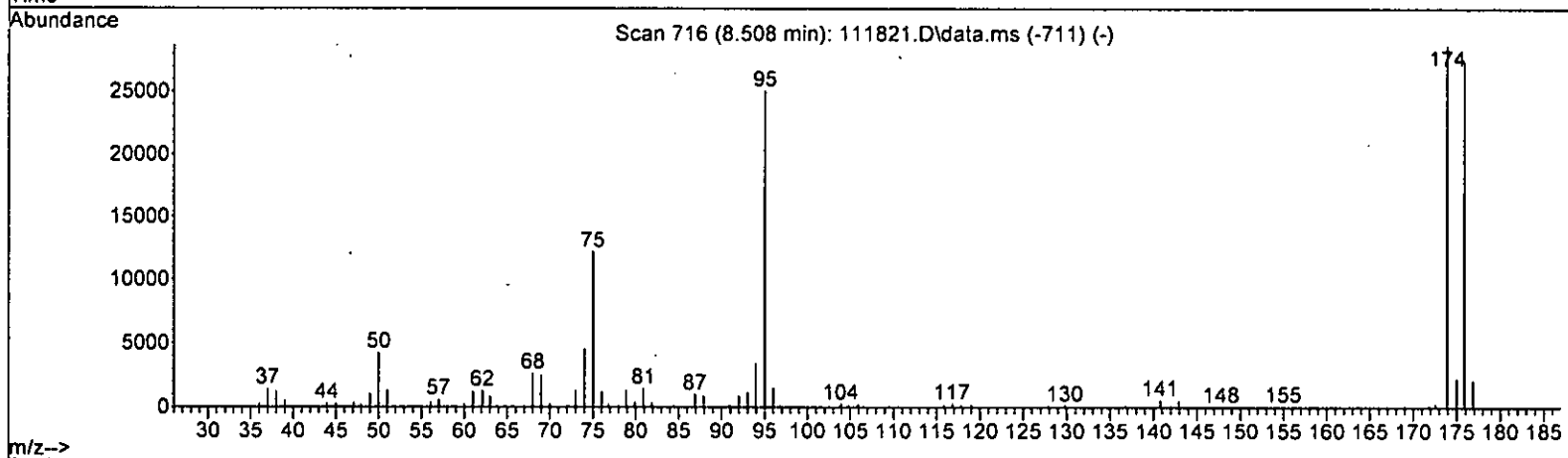
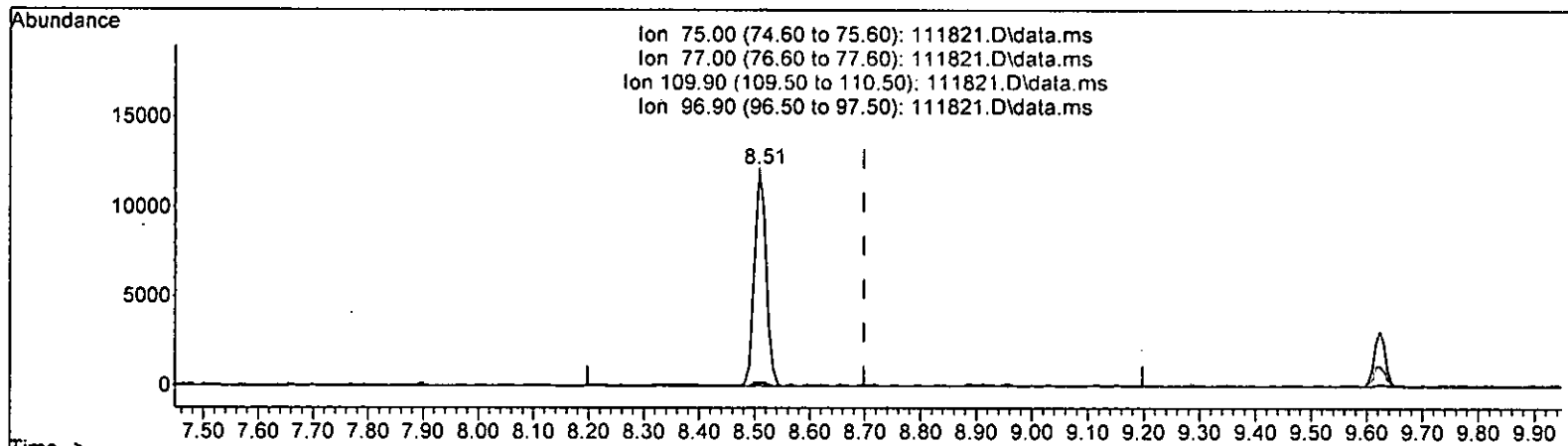
(41) trans-1,3-Dichloropropene (TMP)
 6.266min (-0:095) 0.196 ppb
 response 596

Ion	Exp%	Act%
75.00	100.00	100.00
77.00	32.60	17.37
39.00	46.30	19.74
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111821.D
 Acq On : 18 Nov 2022 03:11 pm
 Operator : LM
 Sample : 211213-09 1/0.25
 Misc : soil
 ALS Vial : 16 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:45:15 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 111821.D\data.ms

(62) 1,2,3-Trichloropropane (TMP)

8.508min (-0.190) 6.827 ppb

response 17788

Ion	Exp%	Act%
75.00	100.00	100.00
77.00	34.00	1.77#
109.90	36.50	0.00#
96.90	22.60	0.58

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111821.D
 Acq On : 18 Nov 2022 03:11 pm
 Operator : LM
 Sample : 211213-09 1/0.25
 Misc : soil
 ALS Vial : 16 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:45:15 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

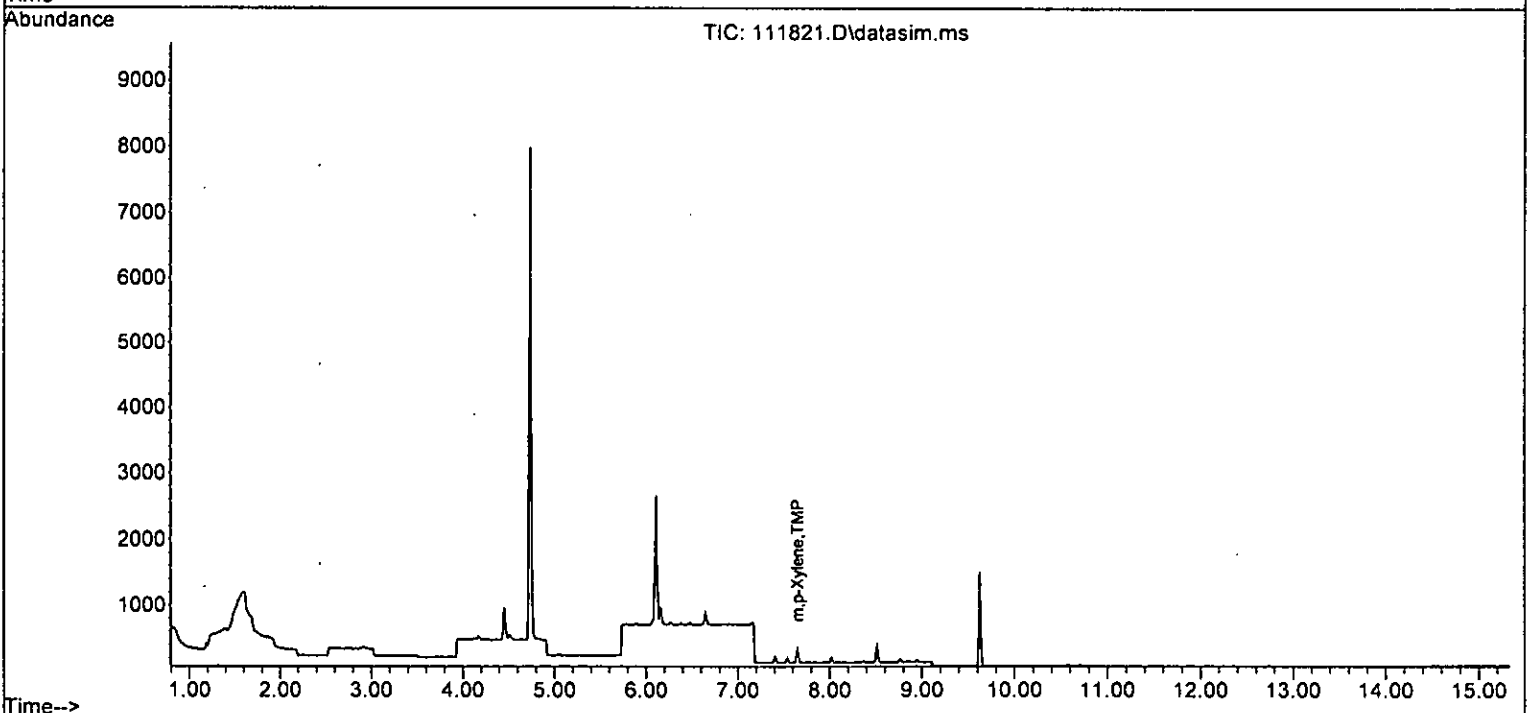
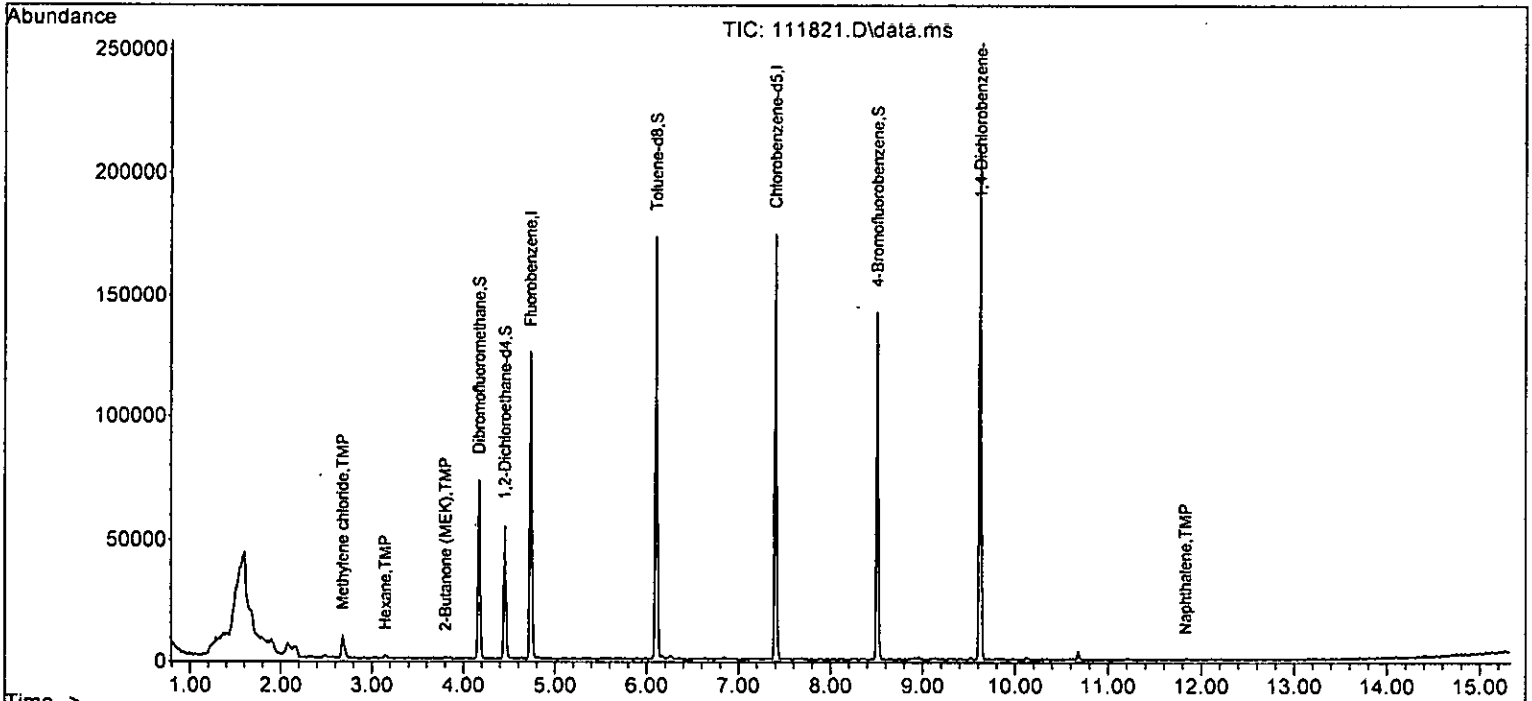
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

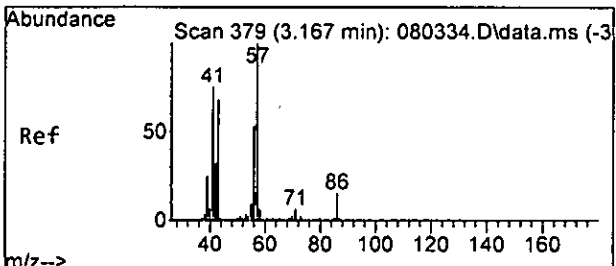
Internal Standards						
1) Fluorobenzene	4.73	96	96019	10.000	ppb	-0.01
39) Chlorobenzene-d5	7.40	117	89468	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	53592	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.17	113	32185	10.452	ppb	0.00
Spiked Amount	10.000	Range 50 - 150	Recovery	=	104.50%	
30) 1,2-Dichloroethane-d4	4.45	102	6081	10.190	ppb	0.00
Spiked Amount	10.000	Range 84 - 120	Recovery	=	101.90%	
35) Toluene-d8	6.10	98	93537	10.214	ppb	0.00
Spiked Amount	10.000	Range 73 - 128	Recovery	=	102.10%	
57) 4-Bromofluorobenzene	8.51	95	35812	9.698	ppb	0.00
Spiked Amount	10.000	Range 57 - 146	Recovery	=	97.00%	
Target Compounds						
11) Acetone	2.34	58	151	Below Cal	#	1
13) Hexane	3.15	57	532	0.171	ppb	89
14) Methylene chloride	2.68	84	5141	0.792	ppb	99
24) 2-Butanone (MEK)	3.80	43	1013	0.588	ppb	61
26] 1,2-Dichloroethane (EDC)	4.52	62	70	Below Cal		98
51] m,p-Xylene	7.65	106	124	0.023	ppb	81
75) Naphthalene	11.83	128	131	0.091	ppb	69

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111821.D
 Acq On : 18 Nov 2022 03:11 pm
 Operator : LM
 Sample : 211213-09 1/0.25
 Misc : soil
 ALS Vial : 16 Sample Multiplier: 1
 InstName : GCMS13

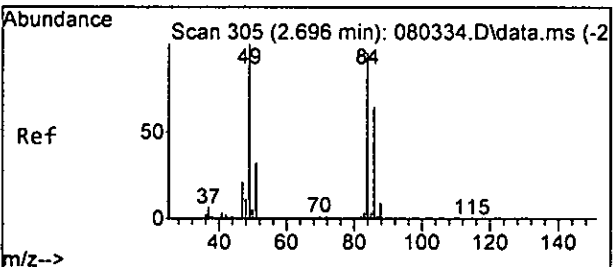
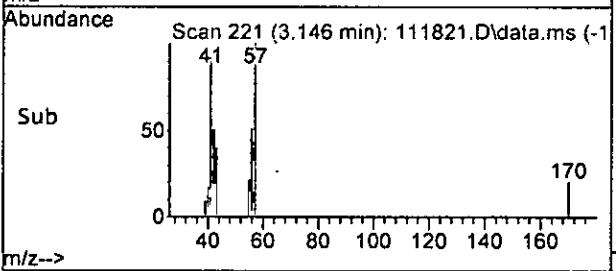
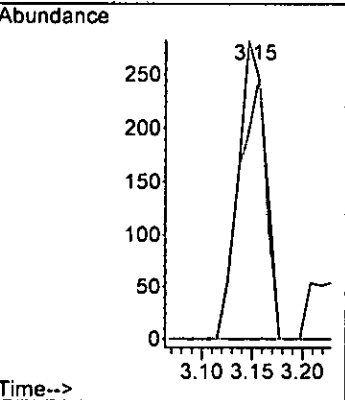
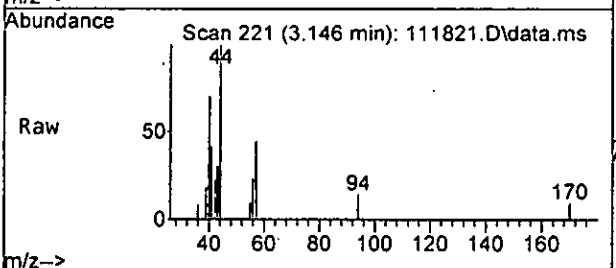
Quant Time: Nov 21 09:45:15 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M





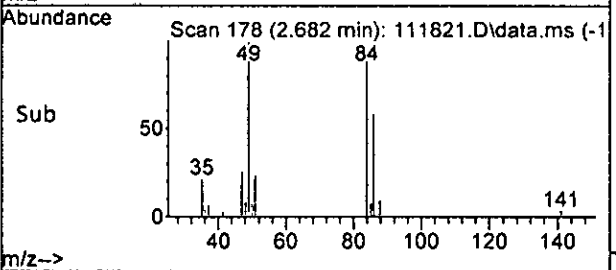
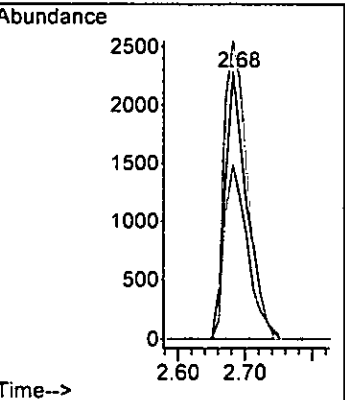
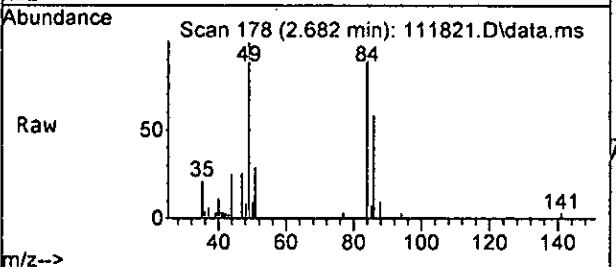
#13
Hexane
Concen: 0.171 ppb
RT: 3.15 min Scan# 221
Delta R.T. -0.011 min
Lab File: 111821.D
Acq: 18 Nov 2022 03:11 pm

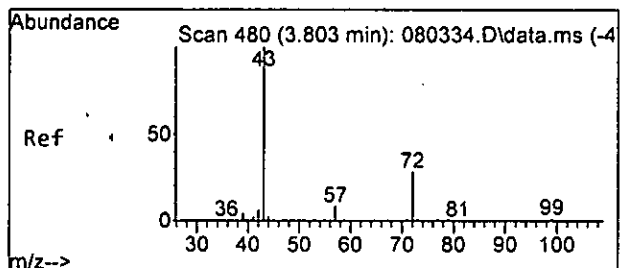
Tgt Ion: 57 Resp: 532
Ion Ratio Lower Upper
57 100
43 69.5 35.4 95.4
86 0.0 0.0 44.8



#14
Methylene chloride
Concen: 0.792 ppb
RT: 2.68 min Scan# 178
Delta R.T. -0.000 min
Lab File: 111821.D
Acq: 18 Nov 2022 03:11 pm

Tgt Ion: 84 Resp: 5141
Ion Ratio Lower Upper
84 100
86 65.0 37.1 97.1
49 111.5 81.3 141.3

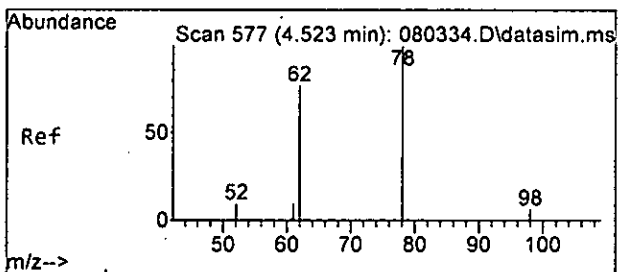
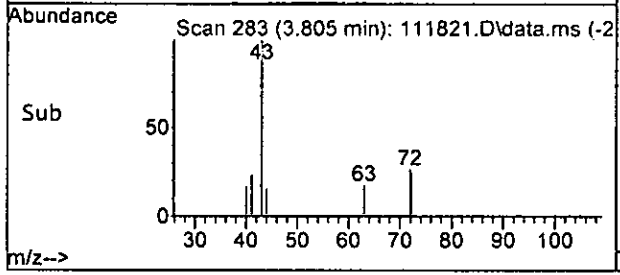
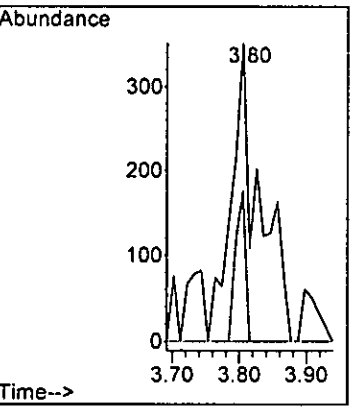
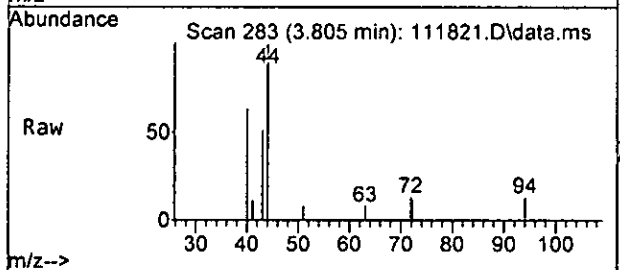




#24
 2-Butanone (MEK)
 Concen: 0.588 ppb
 RT: 3.80 min Scan# 283
 Delta R.T. 0.010 min
 Lab File: 111821.D
 Acq: 18 Nov 2022 03:11 pm

Tgt Ion: 43 Resp: 1013

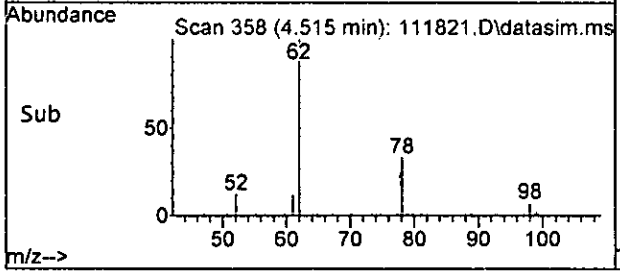
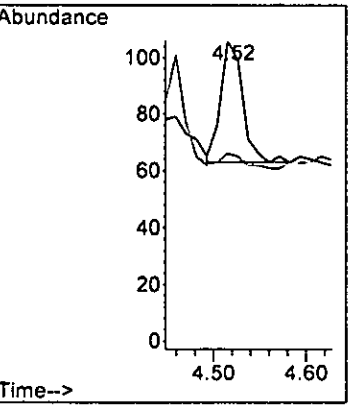
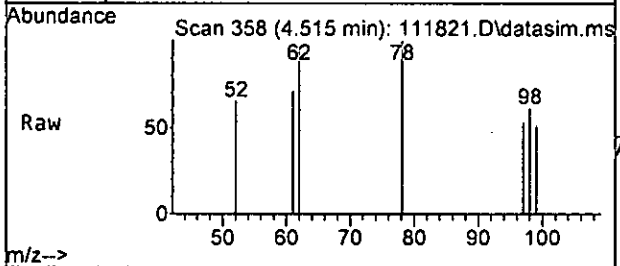
Ion	Ratio	Lower	Upper
43	100		
72	49.9	0.0	57.0
57	0.0	0.0	28.0

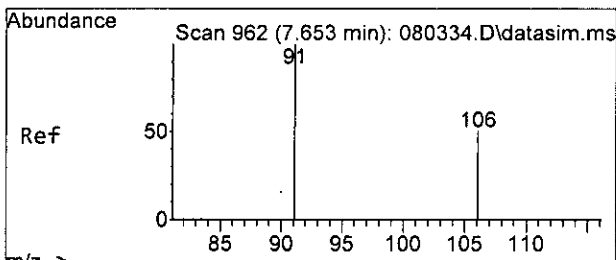


#26
 1,2-Dichloroethane (EDC)
 Concen: Below Cal
 RT: 4.52 min Scan# 358
 Delta R.T. -0.012 min
 Lab File: 111821.D
 Acq: 18 Nov 2022 03:11 pm

Tgt Ion: 62 Resp: 70

Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	40.1

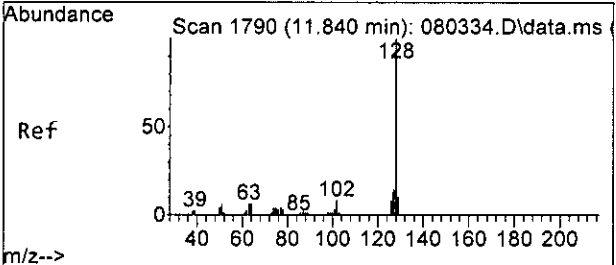
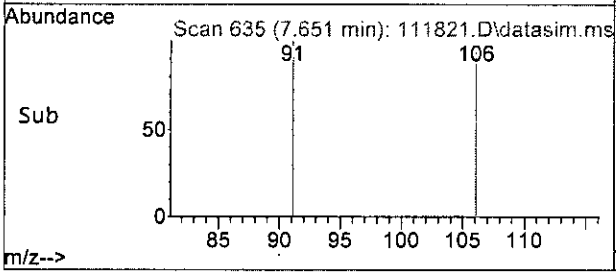
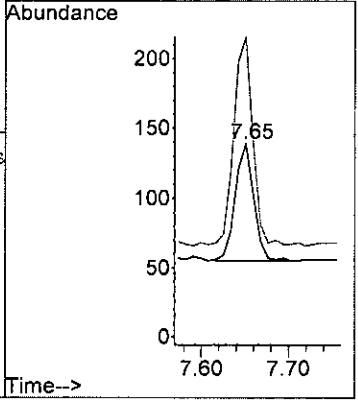
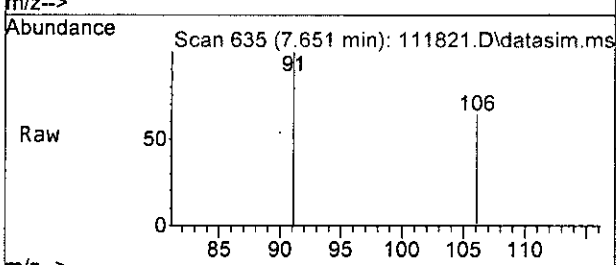




#51
 m,p-Xylene
 Concen: 0.023 ppb
 RT: 7.65 min Scan# 635
 Delta R.T. -0.000 min
 Lab File: 111821.D
 Acq: 18 Nov 2022 03:11 pm

Tgt Ion: 106 Resp: 124

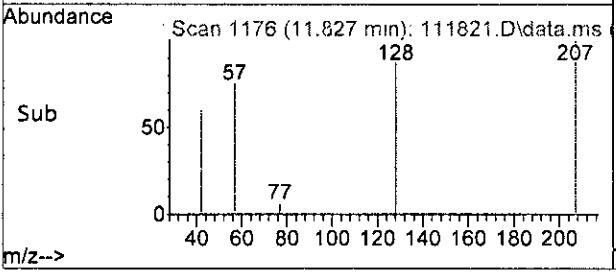
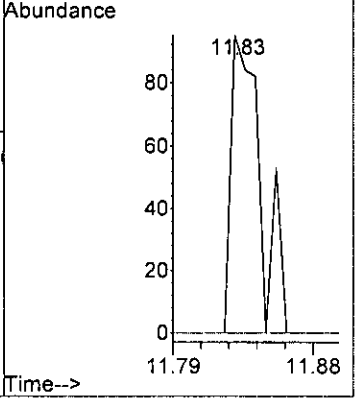
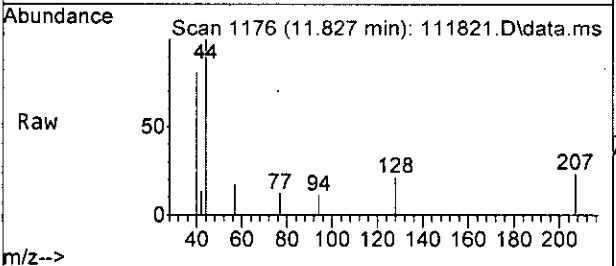
Ion	Ratio	Lower	Upper
106	100		
91	176.2	175.7	235.7



#75
 Naphthalene
 Concen: 0.091 ppb
 RT: 11.83 min Scan# 1176
 Delta R.T. -0.008 min
 Lab File: 111821.D
 Acq: 18 Nov 2022 03:11 pm

Tgt Ion: 128 Resp: 131

Ion	Ratio	Lower	Upper
128	100		
129	0.0	0.0	40.8
127	0.0	0.0	43.1



Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111821.D
 Acq On : 18 Nov 2022 03:11 pm
 Operator : LM
 Sample : 211213-09 1/0.25
 Misc : soil
 ALS Vial : 16 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:45:15 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	4.73	96	96019	10.000	ppb	-0.01	
39) Chlorobenzene-d5	7.40	117	89468	10.000	ppb	0.00	
56) 1,4-Dichlorobenzene-d4	9.62	152	53592	10.000	ppb	0.00	
System Monitoring Compounds							
3) Dibromofluoromethane	4.17	113	32185	10.452	ppb	0.00	
Spiked Amount	10.000	Range 50 - 150	Recovery =	104.50%			
30) 1,2-Dichloroethane-d4	4.45	102	6081	10.190	ppb	0.00	
Spiked Amount	10.000	Range 84 - 120	Recovery =	101.90%			
35) Toluene-d8	6.10	98	93537	10.214	ppb	0.00	
Spiked Amount	10.000	Range 73 - 128	Recovery =	102.10%			
57) 4-Bromofluorobenzene	8.51	95	35812	9.698	ppb	0.00	
Spiked Amount	10.000	Range 57 - 146	Recovery =	97.00%			
Target Compounds							
2) Ethanol	2.32	45	168	No Calib			Qvalue
4) Dichlorodifluoromethane	0.00		0	N.D.			
5) Chloromethane	1.24	50	411	N.D.			
6) Vinyl chloride	0.00		0	N.D.			
7) Bromomethane	0.00		0	N.D.			
8) Chloroethane	0.00		0	N.D.			
9) Trichlorofluoromethane	0.00		0	N.D.			
10) 2-Propanol	2.32	45	168	No Calib	#		
11) Acetone	2.34	58	151	Below Cal	#	1	
12) 1,1-Dichloroethene	0.00		0	N.D.			
13) Hexane	3.15	57	532	0.171	ppb	89	
14) Methylene chloride	2.68	84	5141	0.792	ppb	99	
15) t-Butyl alcohol (TBA)	0.00		0	N.D.			
16) Methyl t-butyl ether (...)	0.00		0	N.D.			
17) trans-1,2-Dichloroethene	0.00		0	N.D.			
18) Diisopropyl ether (DIPE)	0.00		0	N.D.			
19) 1,1-Dichloroethane	0.00		0	N.D.			
20) Ethyl t-butyl ether (E...)	0.00		0	N.D.			
21) 2,2-Dichloropropane	3.78	77	100	N.D.			
22) cis-1,2-Dichloroethene	0.00		0	N.D.			
23) Chloroform	0.00		0	N.D.			
24) 2-Butanone (MEK)	3.80	43	1013	0.588	ppb	61	
25) t-Amyl methyl ether (T...)	0.00		0	N.D.			
26] 1,2-Dichloroethane (EDC)	4.52	62	70	Below Cal		98	
27) 1,1,1-Trichloroethane	0.00		0	N.D.			
28) 1,1-Dichloropropene	0.00		0	N.D.			
29) Carbon tetrachloride	0.00		0	N.D.			
31) Benzene	0.00		0	N.D.			
32) Trichloroethene	0.00		0	N.D.	d		
33) 1,2-Dichloropropane	0.00		0	N.D.			
34) Bromodichloromethane	0.00		0	N.D.			
36) Dibromomethane	0.00		0	N.D.			

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111821.D
 Acq On : 18 Nov 2022 03:11 pm
 Operator : LM
 Sample : 211213-09 1/0.25
 Misc : soil
 ALS Vial : 16 Sample Multiplier: 1
 InstName : GCMS13

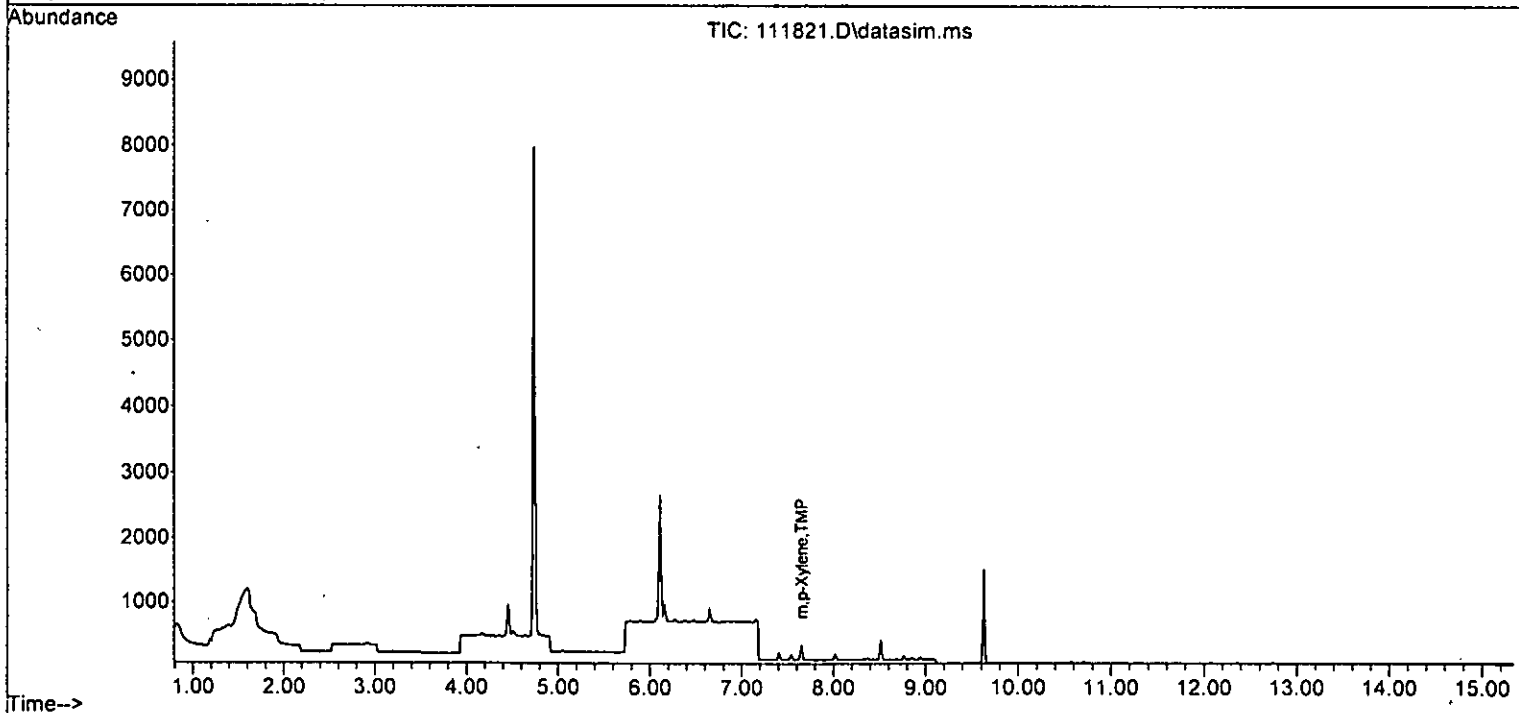
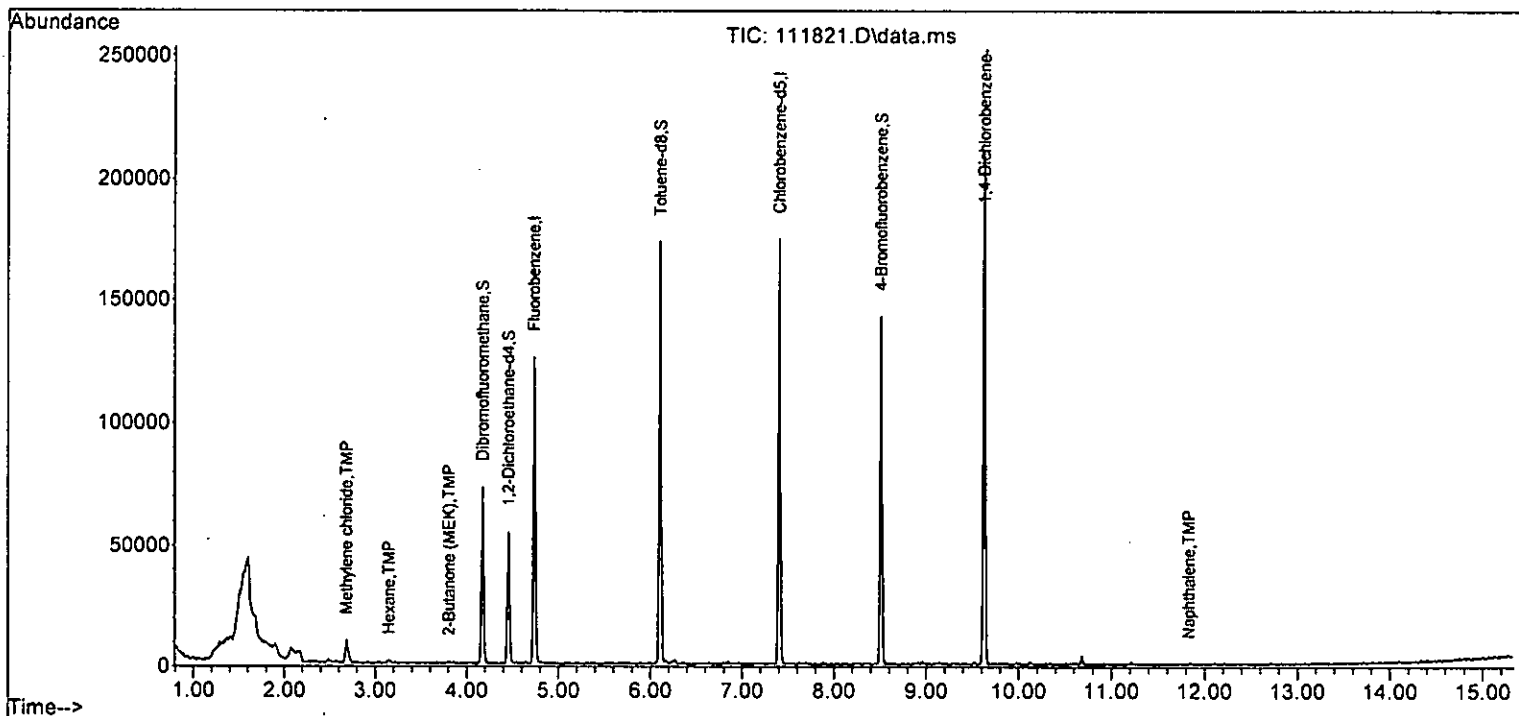
Quant Time: Nov 21 09:45:15 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.00		0		N.D.	
38) cis-1,3-Dichloropropene	0.00		0		N.D.	
40) Toluene	6.16	92	149		N.D.	
41) trans-1,3-Dichloropropene	0.00		0		N.D.	d
42) 1,1,2-Trichloroethane	0.00		0		N.D.	
43) 2-Hexanone	6.80	43	168		N.D.	
44) 1,3-Dichloropropane	0.00		0		N.D.	
45) Tetrachloroethene	6.65	164	76		N.D.	
46) Dibromochloromethane	0.00		0		N.D.	
47) 1,2-Dibromoethane (EDB)	0.00		0		N.D.	
48) Chlorobenzene	0.00		0		N.D.	
49) Ethylbenzene	7.54	91	97		N.D.	
50) 1,1,1,2-Tetrachloroethane	0.00		0		N.D.	
51] m,p-Xylene	7.65	106	124	0.023	ppb	81
52) o-Xylene	8.02	106	43		N.D.	
53) Styrene	0.00		0		N.D.	
54) Isopropylbenzene	8.37	105	148		N.D.	
55) Bromoform	0.00		0		N.D.	
58) n-Propylbenzene	8.77	91	141		N.D.	
59) Bromobenzene	0.00		0		N.D.	
60) 1,3,5-Trimethylbenzene	8.86	105	26		N.D.	
61) 1,1,2,2-Tetrachloroethane	0.00		0		N.D.	
62) 1,2,3-Trichloropropane	0.00		0		N.D.	d
63) 2-Chlorotoluene	8.77	91	141		N.D.	
64) 4-Chlorotoluene	8.77	91	141		N.D.	
65) tert-Butylbenzene	0.00		0		N.D.	
66) 1,2,4-Trimethylbenzene	9.30	105	164		N.D.	
67) sec-Butylbenzene	9.46	105	54		N.D.	
68) p-Isopropyltoluene	9.61	119	146		N.D.	
69) 1,3-Dichlorobenzene	0.00		0		N.D.	
70) 1,4-Dichlorobenzene	0.00		0		N.D.	
71) 1,2-Dichlorobenzene	0.00		0		N.D.	
72) 1,2-Dibromo-3-chloropr...	0.00		0		N.D.	
73) 1,2,4-Trichlorobenzene	0.00		0		N.D.	
74) Hexachlorobutadiene	0.00		0		N.D.	
75) Naphthalene	11.83	128	131	0.091	ppb	69
76) 1,2,3-Trichlorobenzene	0.00		0		N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS13\11-18-22\
Data File : 111821.D
Acq On : 18 Nov 2022 03:11 pm
Operator : LM
Sample : 211213-09 1/0.25
Misc : soil
ALS Vial : 16 Sample Multiplier: 1
InstName : GCMS13

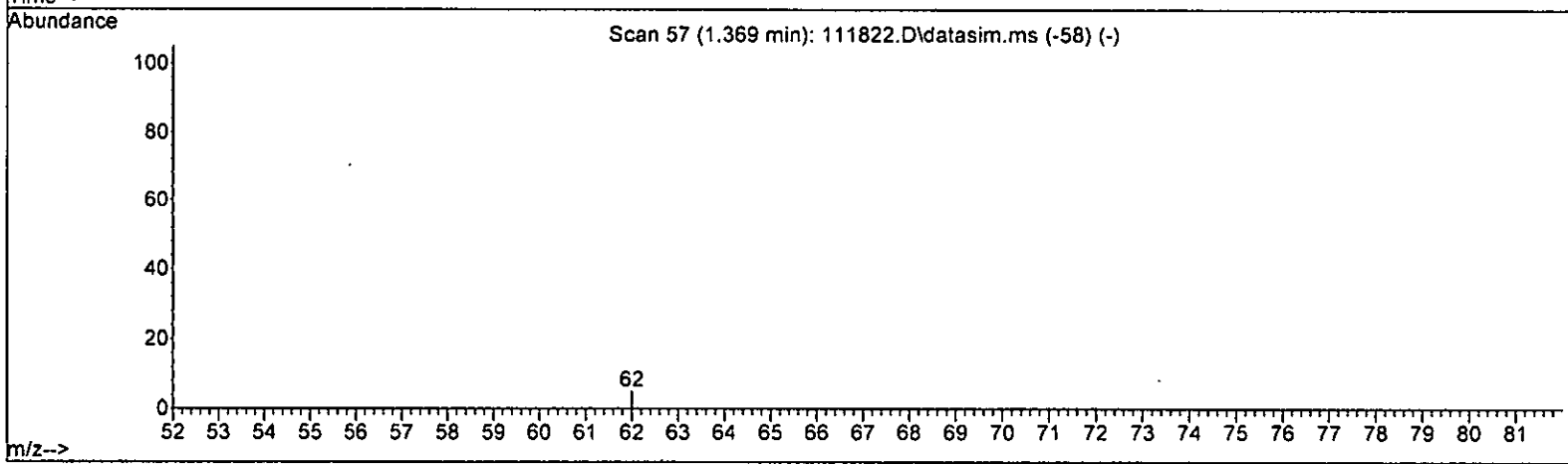
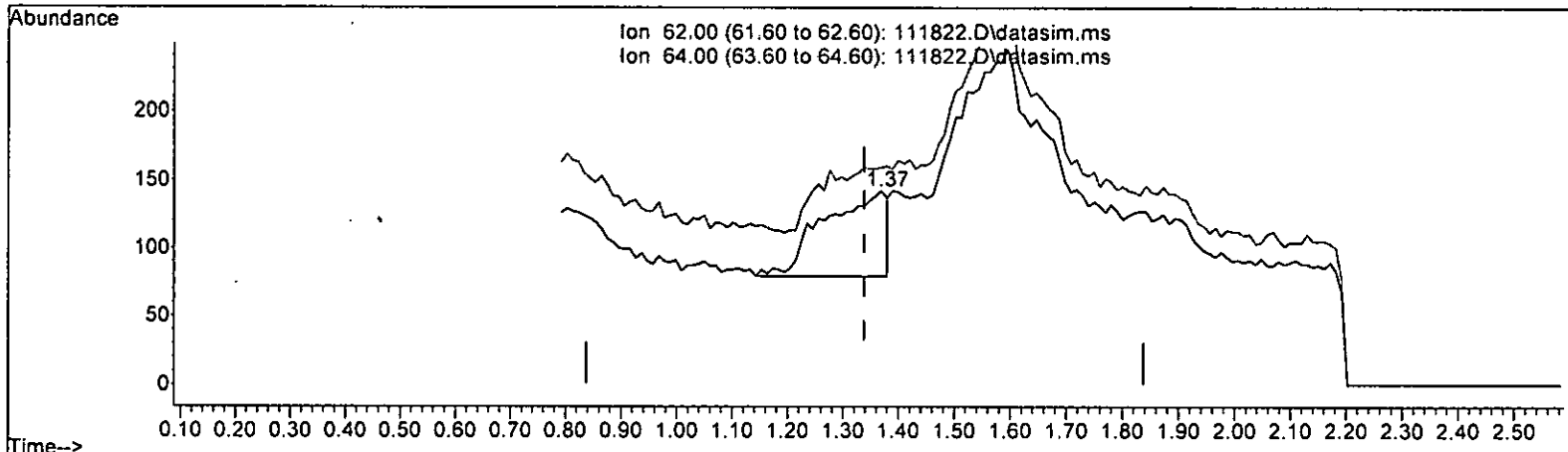
Quant Time: Nov 21 09:45:15 2022
Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
QLast Update : Mon Nov 07 15:16:10 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M



Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111822.D
 Acq On : 18 Nov 2022 03:34 pm
 Operator : LM
 Sample : 211213-10 1/0.25
 Misc : soil
 ALS Vial : 17 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:45:19 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 111822.D\data.ms

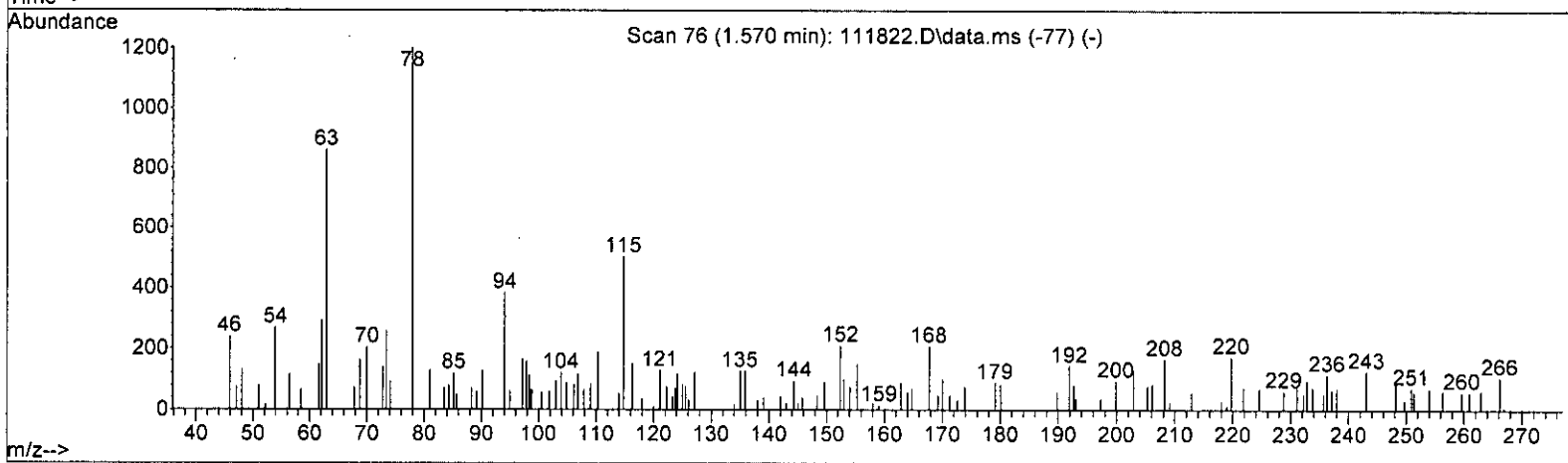
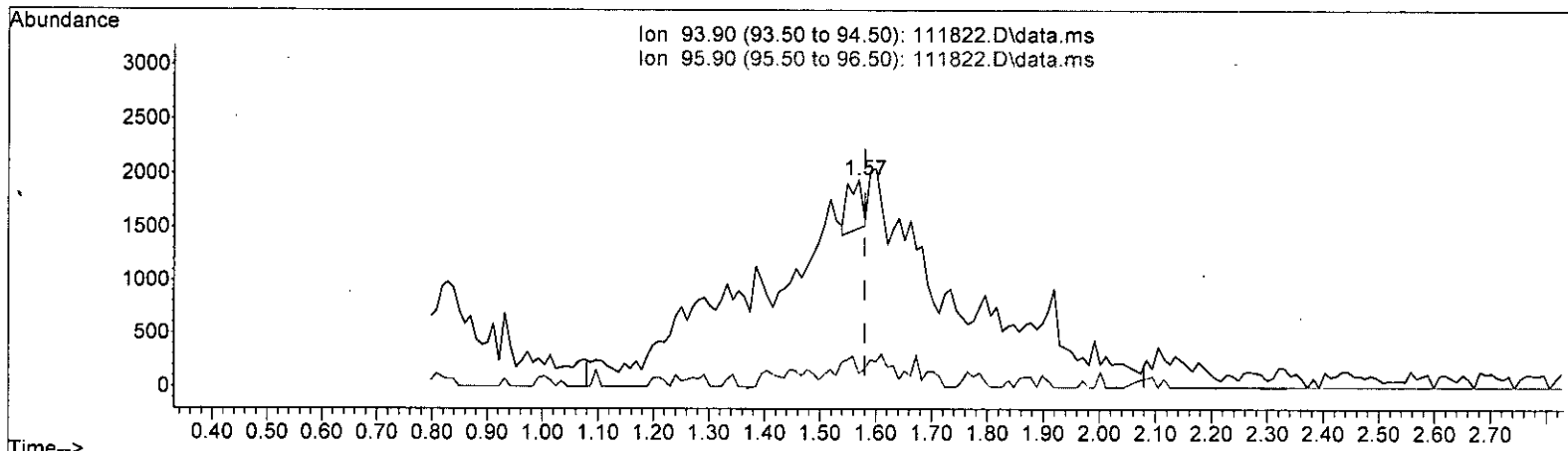
(6) Vinyl chloride (TMP)
 1.369min (+ 0.031) 0.089 ppb
 response 491

Ion	Exp%	Act%
62.00	100.00	100.00
64.00	34.40	68.25#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111822.D
 Acq On : 18 Nov 2022 03:34 pm
 Operator : LM
 Sample : 211213-10 1/0.25
 Misc : soil
 ALS Vial : 17 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:45:19 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 111822.D\data.ms

(7) Bromomethane (TMP)

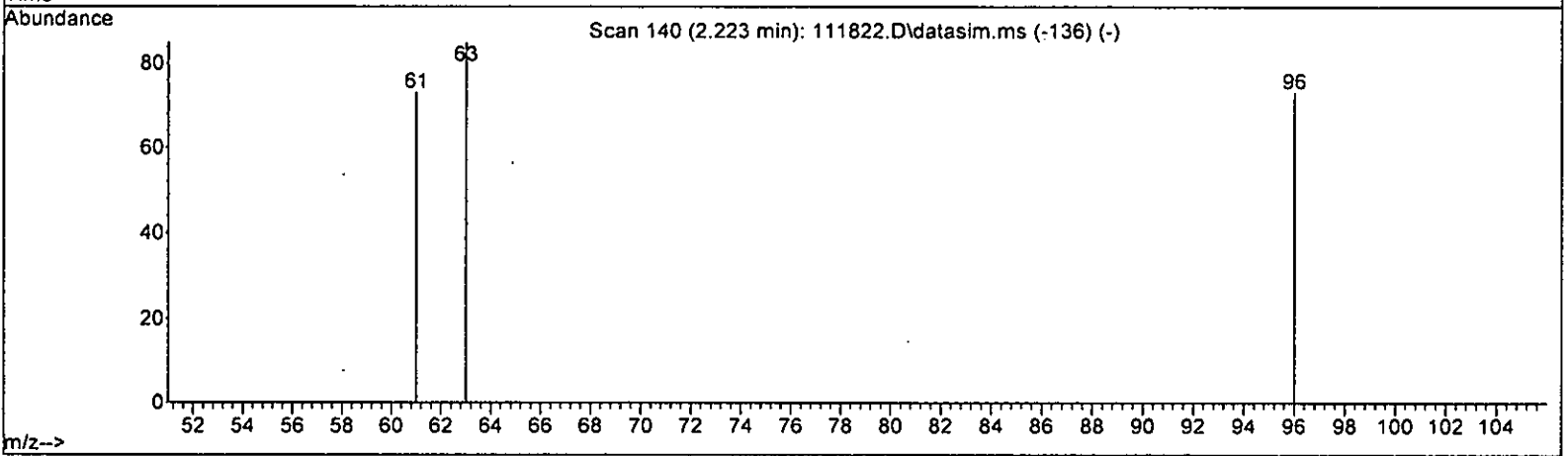
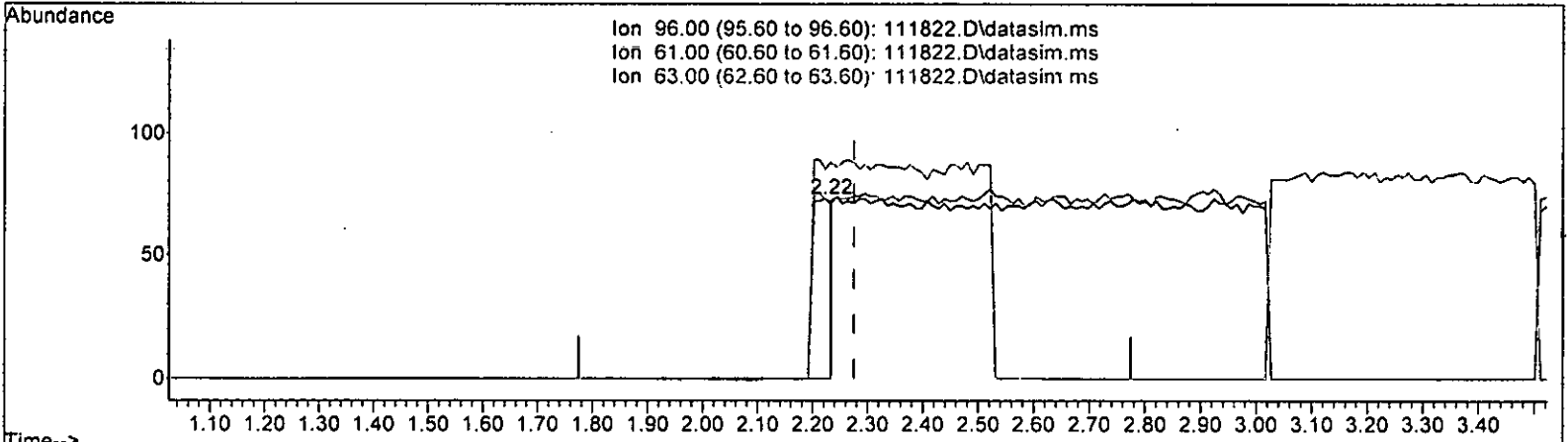
1.570min (-0.010) 0.175 ppb

response	822
Ion	Exp% Act%
93.90	100.00 100.00
95.90	93.50 0.00#
0.00	0.00 0.00
0.00	0.00 0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111822.D
 Acq On : 18 Nov 2022 03:34 pm
 Operator : LM
 Sample : 211213-10 1/0.25
 Misc : soil
 ALS Vial : 17 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:45:19 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 111822.D\data.ms

(12) 1,1-Dichloroethene (TMP)

2.223min (-0.052) 0.057 ppb

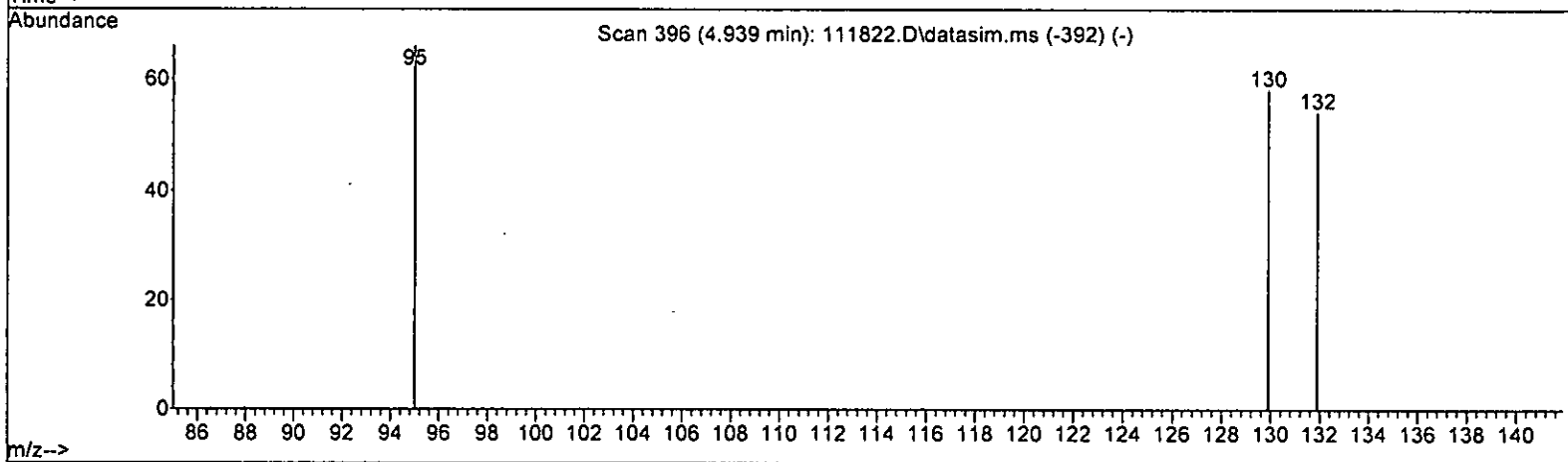
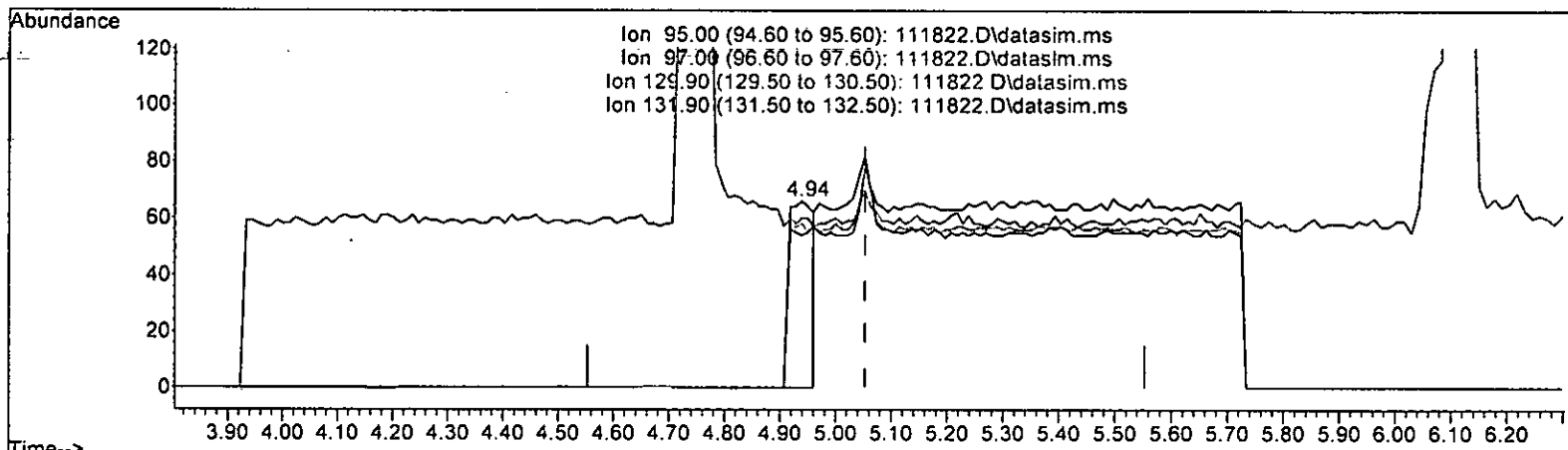
response 178

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	120.90	100.00
63.00	43.90	116.44#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111822.D
 Acq On : 18 Nov 2022 03:34 pm
 Operator : LM
 Sample : 211213-10 1/0.25
 Misc : soil
 ALS Vial : 17 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:45:19 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 111822.D\data.ms

(32) Trichloroethene (TMP)

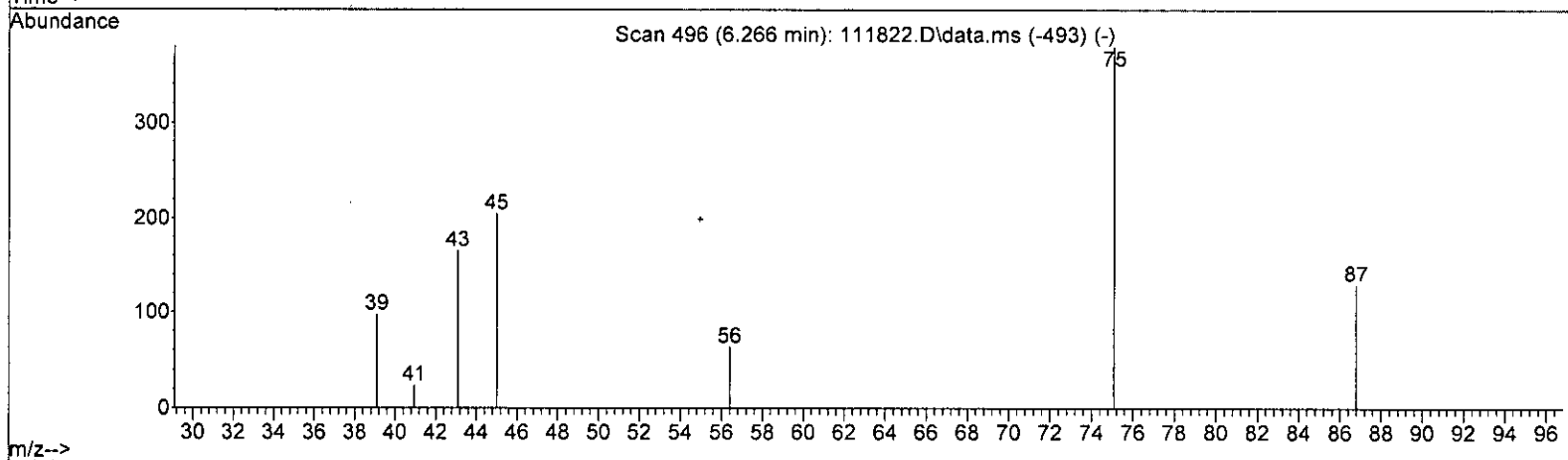
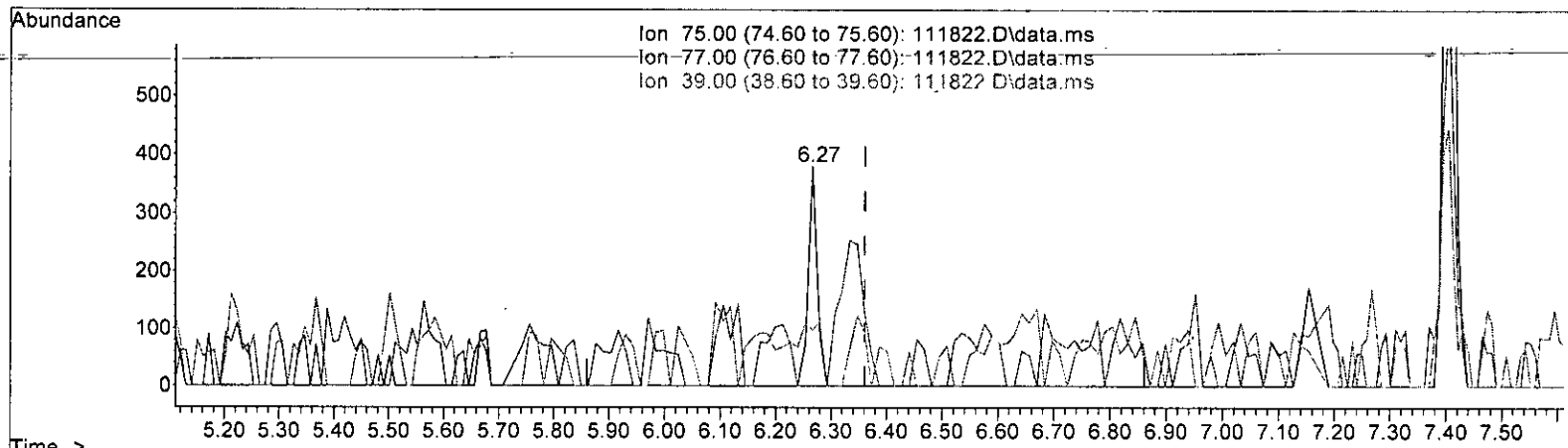
4.939min (-0.114) 0.051 ppb

response	204	
Ion	Exp%	Act%
95.00	100.00	100.00
97.00	64.60	4.55#
129.90	103.40	87.88
131.90	95.80	81.82

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111822.D
 Acq On : 18 Nov 2022 03:34 pm
 Operator : LM
 Sample : 211213-10 1/0.25
 Misc : soil
 ALS Vial : 17 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:45:19 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 111822.D\data.ms

(41) trans-1,3-Dichloropropene (TMP)

6.266min (-0.095) 0.142 ppb

response 433

Ion	Exp%	Act%
75.00	100.00	100.00
77.00	32.60	0.00#
39.00	46.30	25.59
0.00	0.00	0.00

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111822.D
 Acq On : 18 Nov 2022 03:34 pm
 Operator : LM
 Sample : 211213-10 1/0.25
 Misc : soil
 ALS Vial : 17 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:45:19 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

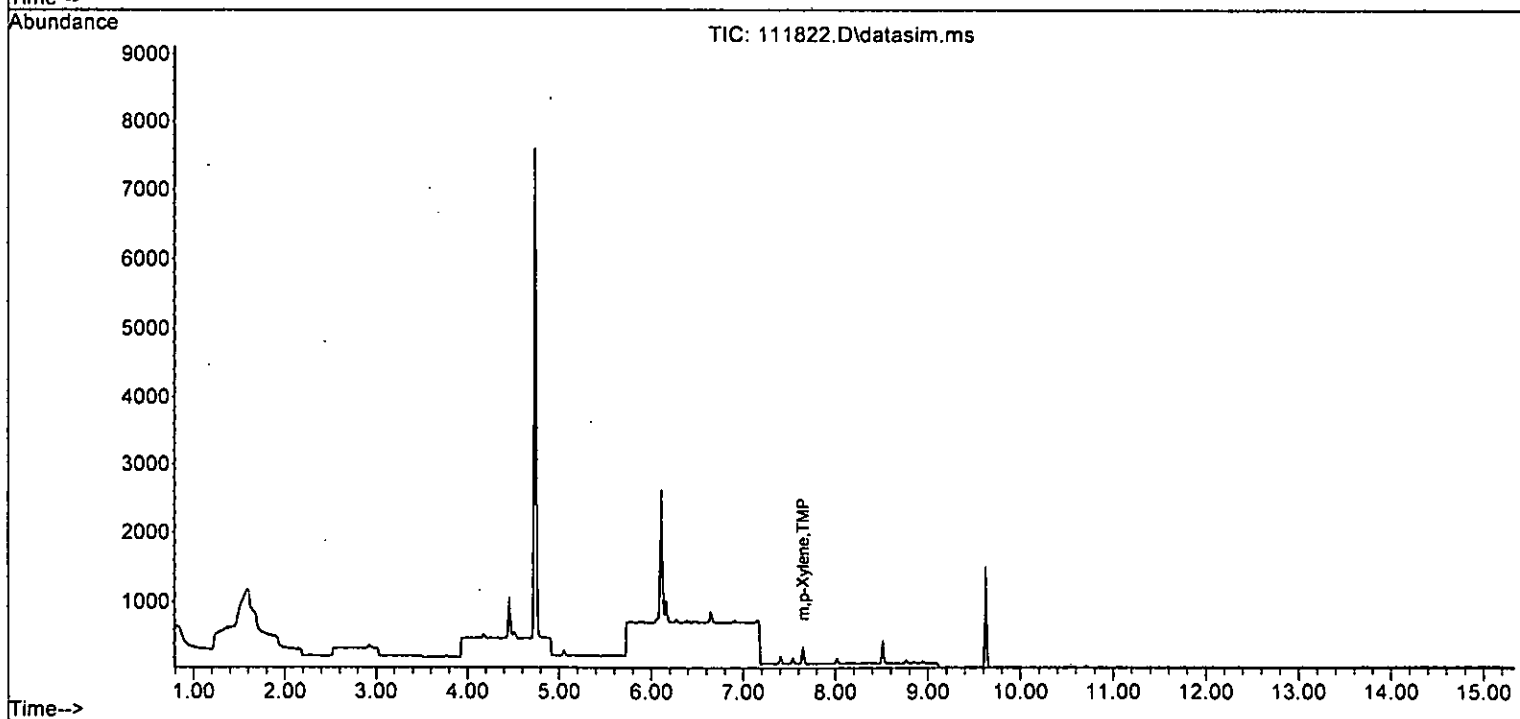
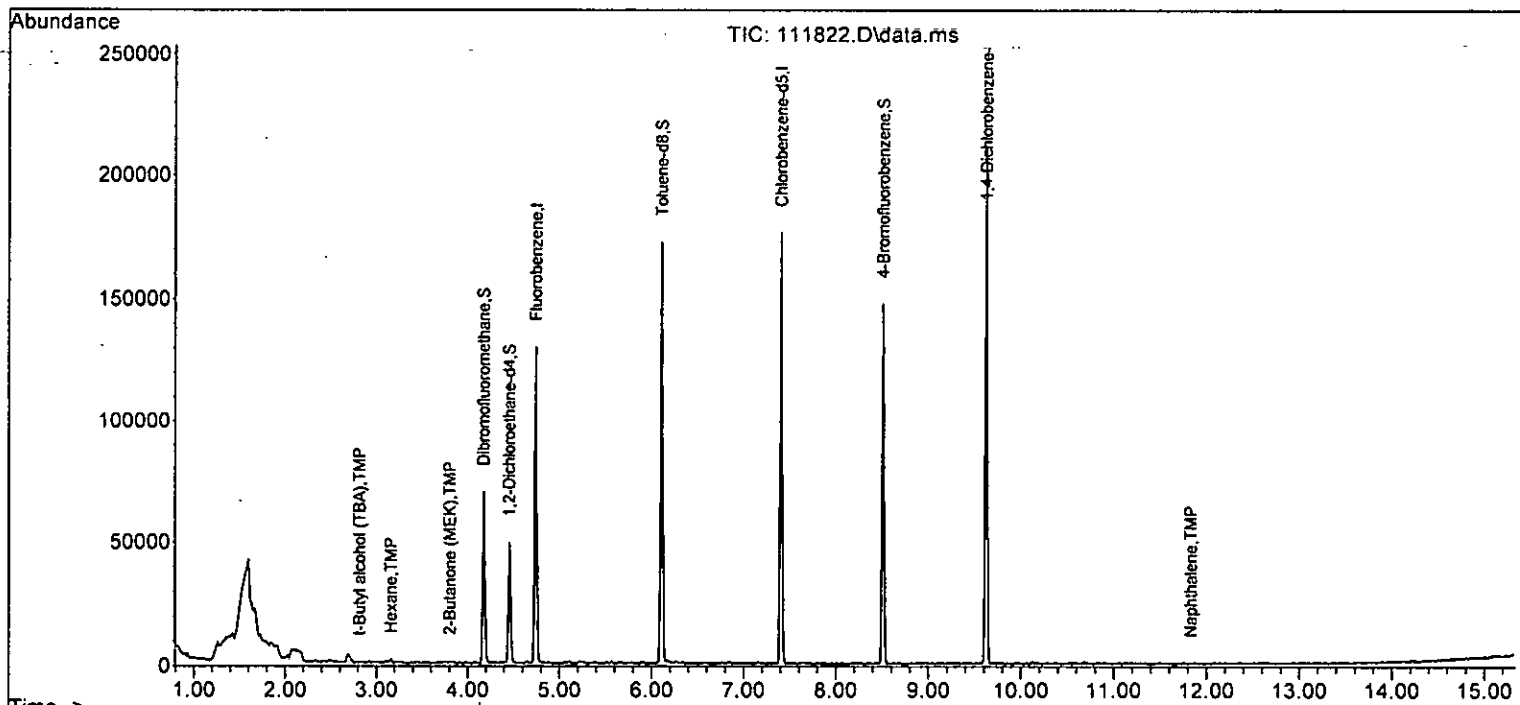
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

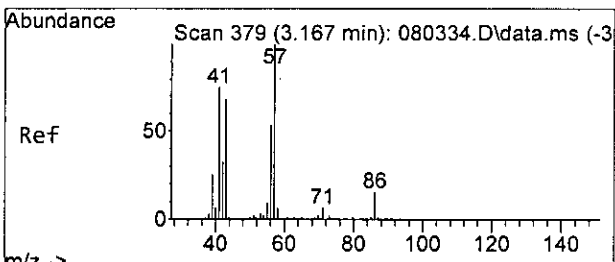
Internal Standards						
1) Fluorobenzene	4.75	96	108780	10.000	ppb	0.00
39) Chlorobenzene-d5	7.40	117	90291	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	53037	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.17	113	31762	9.105	ppb	0.00
Spiked Amount	10.000	Range 50 - 150	Recovery	=	91.00%	
30) 1,2-Dichloroethane-d4	4.45	102	6130	9.067	ppb	0.00
Spiked Amount	10.000	Range 84 - 120	Recovery	=	90.70%	
35) Toluene-d8	6.11	98	95817	9.236	ppb	0.00
Spiked Amount	10.000	Range 73 - 128	Recovery	=	92.40%	
57) 4-Bromofluorobenzene	8.51	95	35961	9.840	ppb	0.00
Spiked Amount	10.000	Range 57 - 146	Recovery	=	98.40%	
Target Compounds						
11) Acetone	2.34	58	116	Below Cal	#	1
13) Hexane	3.16	57	515	0.146	ppb	79
14) Methylene chloride	2.69	84	2087	Below Cal		98
15) t-Butyl alcohol (TBA)	2.82	59	33	0.126	ppb	53
24) 2-Butanone (MEK)	3.81	43	745	0.291	ppb	90
26] 1,2-Dichloroethane (EDC)	4.53	62	77	Below Cal		78
42] 1,1,2-Trichloroethane	6.50	83	20	Below Cal	#	64
45] Tetrachloroethene	6.65	164	66	Below Cal		91
51] m,p-Xylene	7.65	106	129	0.023	ppb	# 74
75) Naphthalene	11.83	128	182	0.097	ppb	69

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111822.D
 Acq On : 18 Nov 2022 03:34 pm
 Operator : LM
 Sample : 211213-10 1/0.25
 Misc : soil
 ALS Vial : 17 Sample Multiplier: 1
 InstName : GCMS13

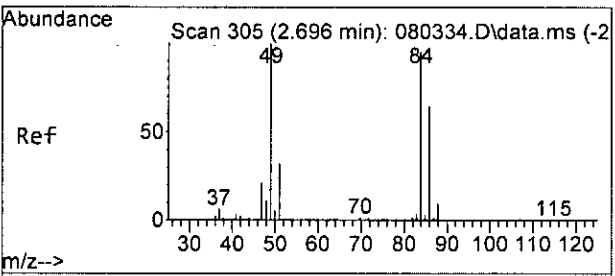
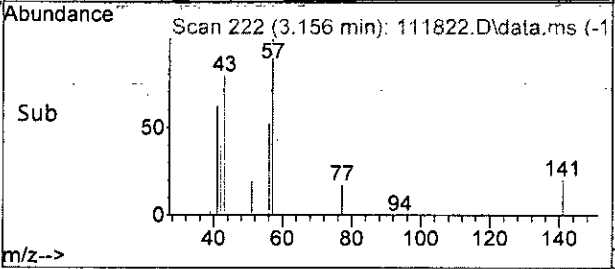
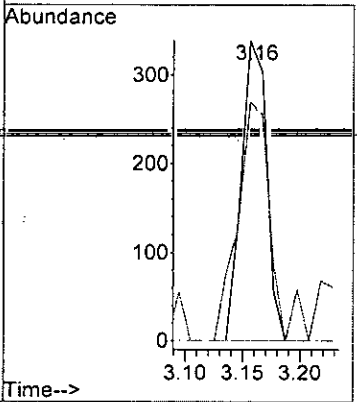
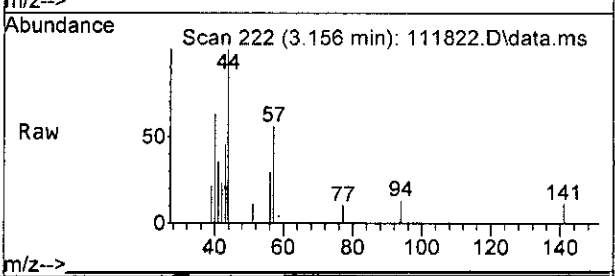
Quant Time: Nov 21 09:45:19 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M





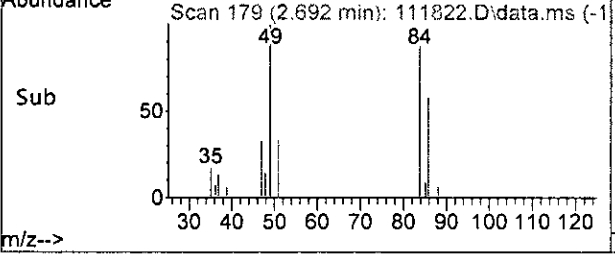
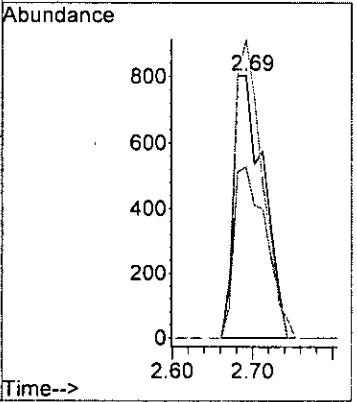
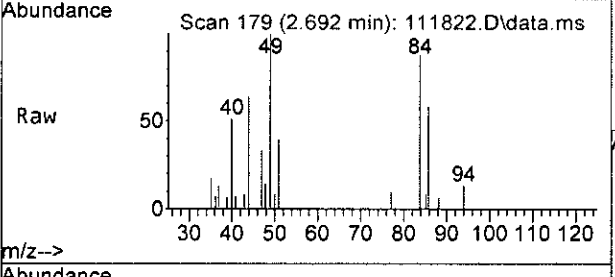
#13
 Hexane
 Concen: 0.146 ppb
 RT: 3.16 min Scan# 222
 Delta R.T. -0.001 min
 Lab File: 111822.D
 Acq: 18 Nov 2022 03:34 pm

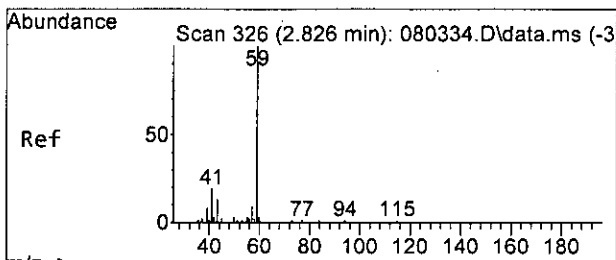
Tgt Ion:	Resp:	Lower	Upper
57	100		
43	79.4	35.4	95.4
86	0.0	0.0	44.8



#14
 Methylene chloride
 Concen: Below Cal
 RT: 2.69 min Scan# 179
 Delta R.T. 0.010 min
 Lab File: 111822.D
 Acq: 18 Nov 2022 03:34 pm

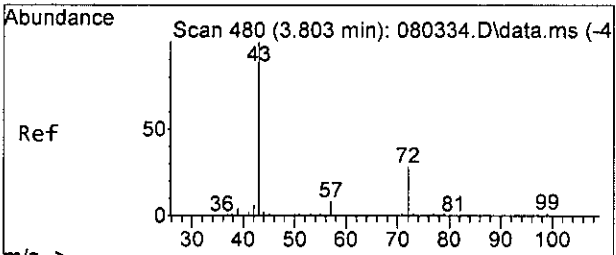
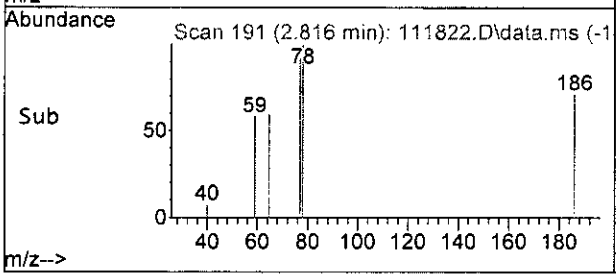
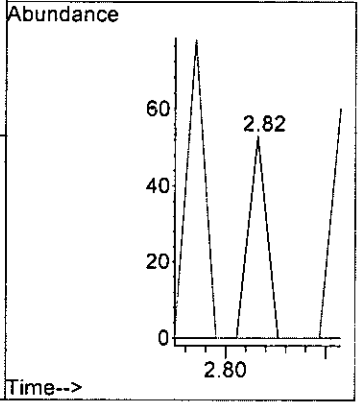
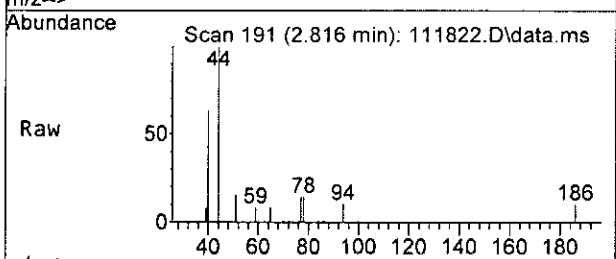
Tgt Ion:	Resp:	Lower	Upper
84	100		
86	65.8	37.1	97.1
49	113.6	81.3	141.3





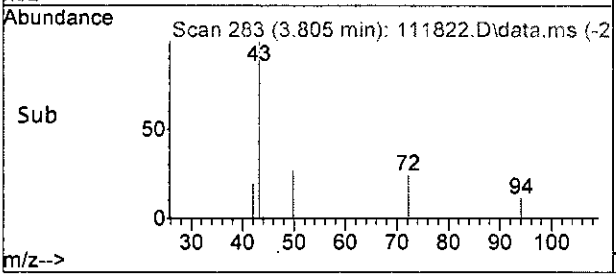
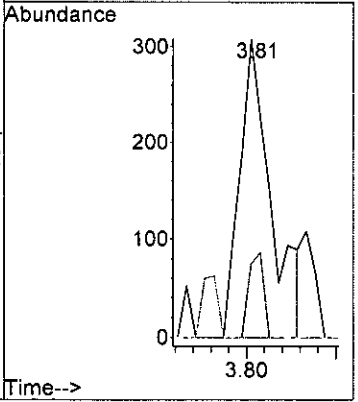
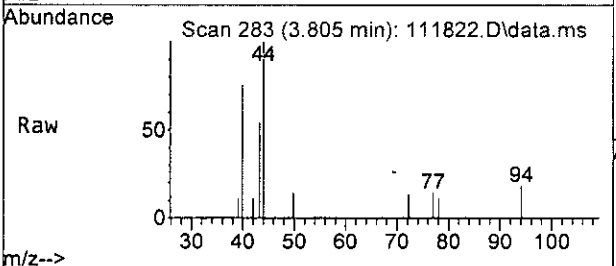
#15
 t-Butyl alcohol (TBA)
 Concen: 0.126 ppb
 RT: 2.82 min Scan# 191
 Delta R.T. -0.000 min
 Lab File: 111822.D
 Acq: 18 Nov 2022 03:34 pm

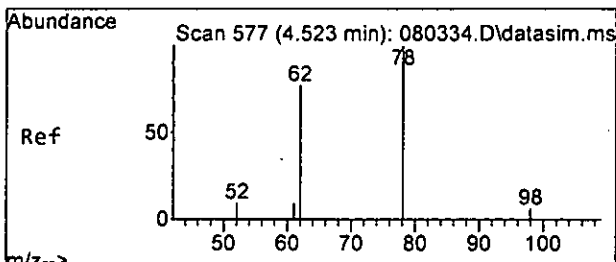
Tgt Ion: 59 Resp: 33
 Ion Ratio Lower Upper
 59 100
 41 0.0 0.0 52.9



#24
 2-Butanone (MEK)
 Concen: 0.291 ppb
 RT: 3.81 min Scan# 283
 Delta R.T. 0.010 min
 Lab File: 111822.D
 Acq: 18 Nov 2022 03:34 pm

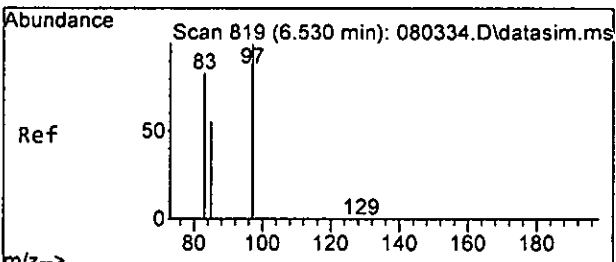
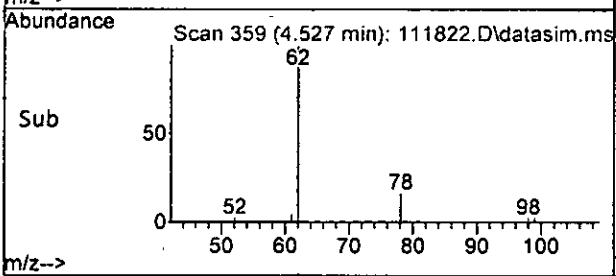
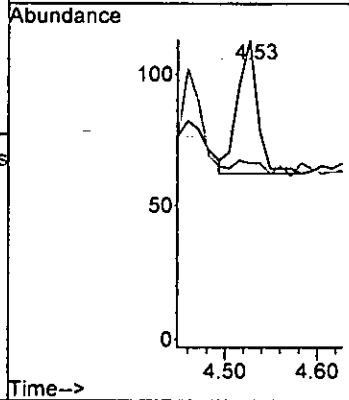
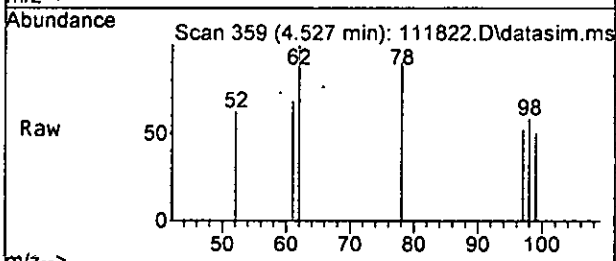
Tgt Ion: 43 Resp: 745
 Ion Ratio Lower Upper
 43 100
 72 24.0 0.0 57.0
 57 0.0 0.0 28.0





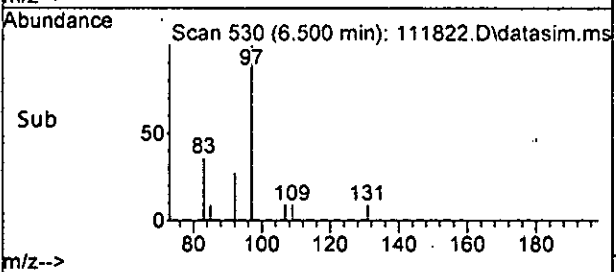
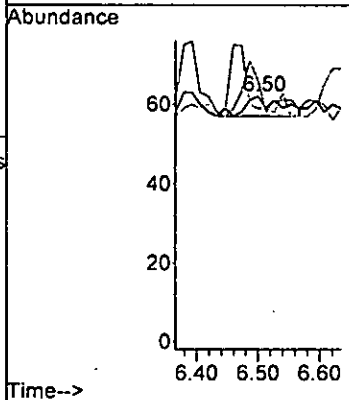
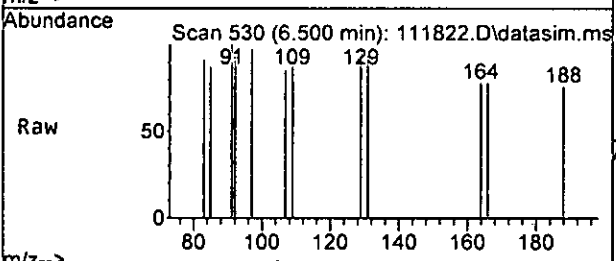
#26
 1,2-Dichloroethane (EDC)
 Concen: Below Cal
 RT: 4.53 min Scan# 359
 Delta R.T. -0.000 min
 Lab File: 111822.D
 Acq: 18 Nov 2022 03:34 pm

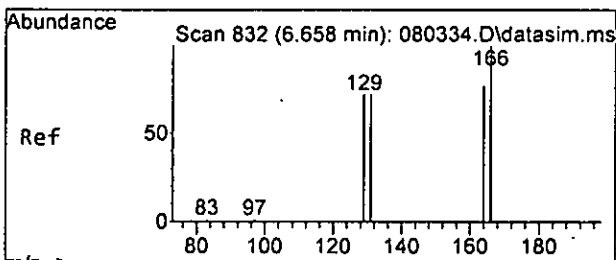
Tgt Ion: 62 Resp: 77
 Ion Ratio Lower Upper
 62 100
 98 2.0 0.0 40.1



#42
 1,1,2-Trichloroethane
 Concen: Below Cal
 RT: 6.50 min Scan# 530
 Delta R.T. -0.027 min
 Lab File: 111822.D
 Acq: 18 Nov 2022 03:34 pm

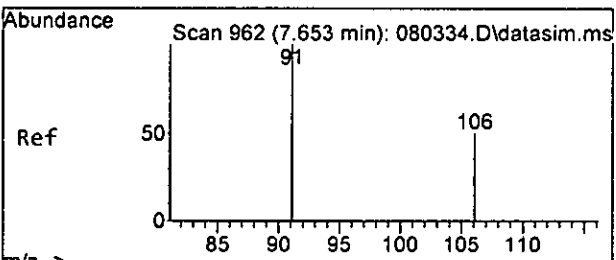
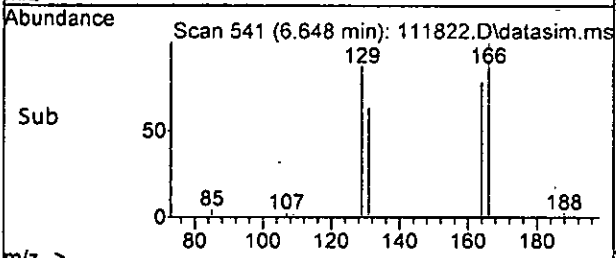
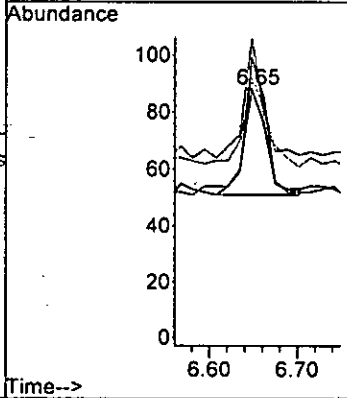
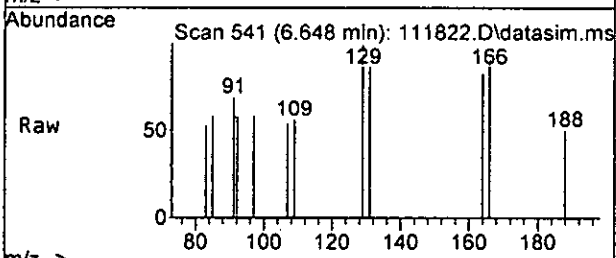
Tgt Ion: 83 Resp: 20
 Ion Ratio Lower Upper
 83 100
 97 160.0 88.0 148.0#
 85 40.0 35.3 95.3





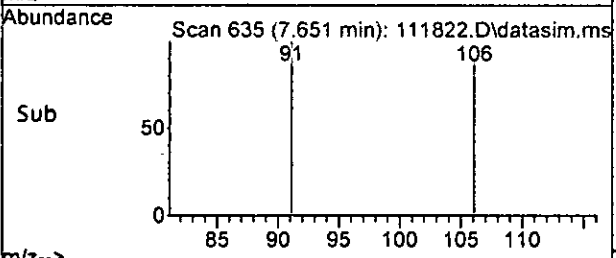
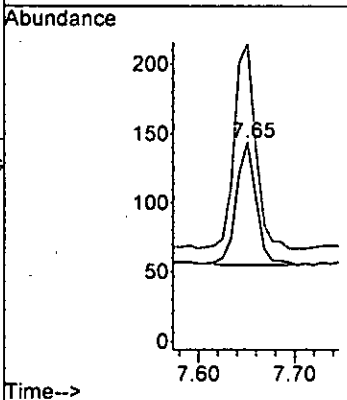
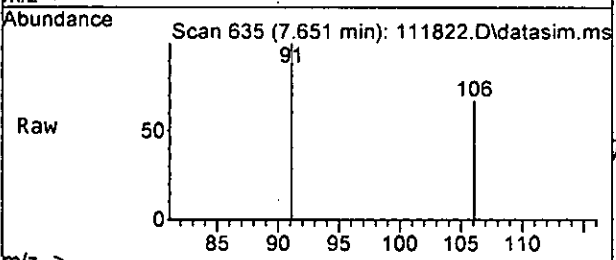
#45
 Tetrachloroethene
 Concen: Below Cal
 RT: 6.65 min Scan# 541
 Delta R.T. -0.000 min
 Lab File: 111822.D
 Acq: 18 Nov 2022 03:34 pm

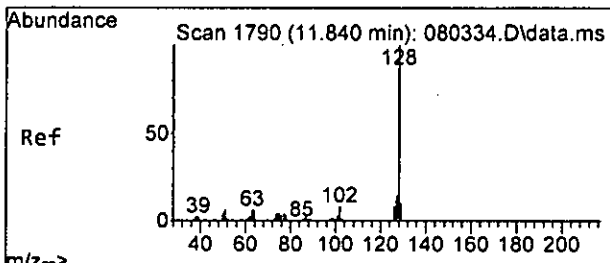
Tgt Ion	Resp	Lower	Upper
164	100		
129	113.5	72.1	132.1
131	83.8	64.8	124.8
166	127.0	90.0	150.0



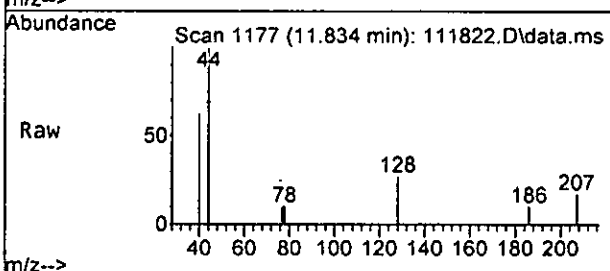
#51
 m,p-Xylene
 Concen: 0.023 ppb
 RT: 7.65 min Scan# 635
 Delta R.T. -0.000 min
 Lab File: 111822.D
 Acq: 18 Nov 2022 03:34 pm

Tgt Ion	Resp	Lower	Upper
106	100		
91	166.3	175.7	235.7#



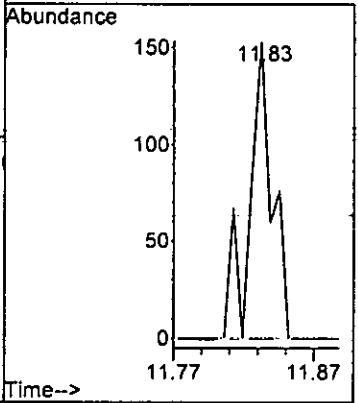
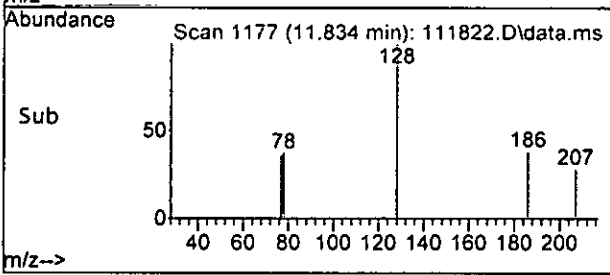


#75
 Naphthalene
 Concen: 0.097 ppb
 RT: 11.83 min Scan# 1177
 Delta R.T. -0.001 min
 Lab File: 111822.D
 Acq: 18 Nov 2022 03:34 pm



Tgt Ion: 128 Resp: 182

Ion	Ratio	Lower	Upper
128	100		
129	0.0	0.0	40.8
127	0.0	0.0	43.1



Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111822.D
 Acq On : 18 Nov 2022 03:34 pm
 Operator : LM
 Sample : 211213-10 1/0.25
 Misc : soil
 ALS Vial : 17 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:45:19 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 Qlast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) Fluorobenzene	4.75	96	108780	10.000	ppb	0.00	
39) Chlorobenzene-d5	7.40	117	90291	10.000	ppb	0.00	
56) 1,4-Dichlorobenzene-d4	9.62	152	53037	10.000	ppb	0.00	
System Monitoring Compounds							
3) Dibromofluoromethane	4.17	113	31762	9.105	ppb	0.00	
Spiked Amount	10.000	Range 50 - 150	Recovery	=	91.00%		
30) 1,2-Dichloroethane-d4	4.45	102	6130	9.067	ppb	0.00	
Spiked Amount	10.000	Range 84 - 120	Recovery	=	90.70%		
35) Toluene-d8	6.11	98	95817	9.236	ppb	0.00	
Spiked Amount	10.000	Range 73 - 128	Recovery	=	92.40%		
57) 4-Bromofluorobenzene	8.51	95	35961	9.840	ppb	0.00	
Spiked Amount	10.000	Range 57 - 146	Recovery	=	98.40%		
Target Compounds							
2) Ethanol	2.34	45	99	No Calib			Qvalue
4) Dichlorodifluoromethane	0.00		0	N.D.			
5) Chloromethane	1.26	50	535	N.D.			
6) Vinyl chloride	0.00		0	N.D. d			
7) Bromomethane	0.00		0	N.D. d			
8) Chloroethane	0.00		0	N.D.			
9) Trichlorofluoromethane	1.79	101	67	N.D.			
10) 2-Propanol	2.34	45	99	No Calib	#		
11) Acetone	2.34	58	116	Below Cal	#	1	
12) 1,1-Dichloroethene	0.00		0	N.D. d			
13) Hexane	3.16	57	515	0.146	ppb	79	
14) Methylene chloride	2.69	84	2087	Below Cal		98	
15) t-Butyl alcohol (TBA)	2.82	59	33	0.126	ppb	53	
16) Methyl t-butyl ether (...)	0.00		0	N.D.			
17) trans-1,2-Dichloroethene	0.00		0	N.D.			
18) Diisopropyl ether (DIPE)	0.00		0	N.D.			
19) 1,1-Dichloroethane	0.00		0	N.D.			
20) Ethyl t-butyl ether (E...)	0.00		0	N.D.			
21) 2,2-Dichloropropane	3.81	77	168	N.D.			
22) cis-1,2-Dichloroethene	0.00		0	N.D.			
23) Chloroform	0.00		0	N.D.			
24) 2-Butanone (MEK)	3.81	43	745	0.291	ppb	90	
25) t-Amyl methyl ether (T...)	0.00		0	N.D.			
26] 1,2-Dichloroethane (EDC)	4.53	62	77	Below Cal		78	
27) 1,1,1-Trichloroethane	0.00		0	N.D.			
28) 1,1-Dichloropropene	0.00		0	N.D.			
29) Carbon tetrachloride	0.00		0	N.D.			
31) Benzene	4.50	78	109	N.D.			
32) Trichloroethene	0.00		0	N.D. d			
33) 1,2-Dichloropropane	5.33	63	33	N.D.			
34) Bromodichloromethane	0.00		0	N.D.			
36) Dibromomethane	0.00		0	N.D.			

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111822.D
 Acq On : 18 Nov 2022 03:34 pm
 Operator : LM
 Sample : 211213-10 1/0.25
 Misc : soil
 ALS Vial : 17 Sample Multiplier: 1
 InstName : GCMS13

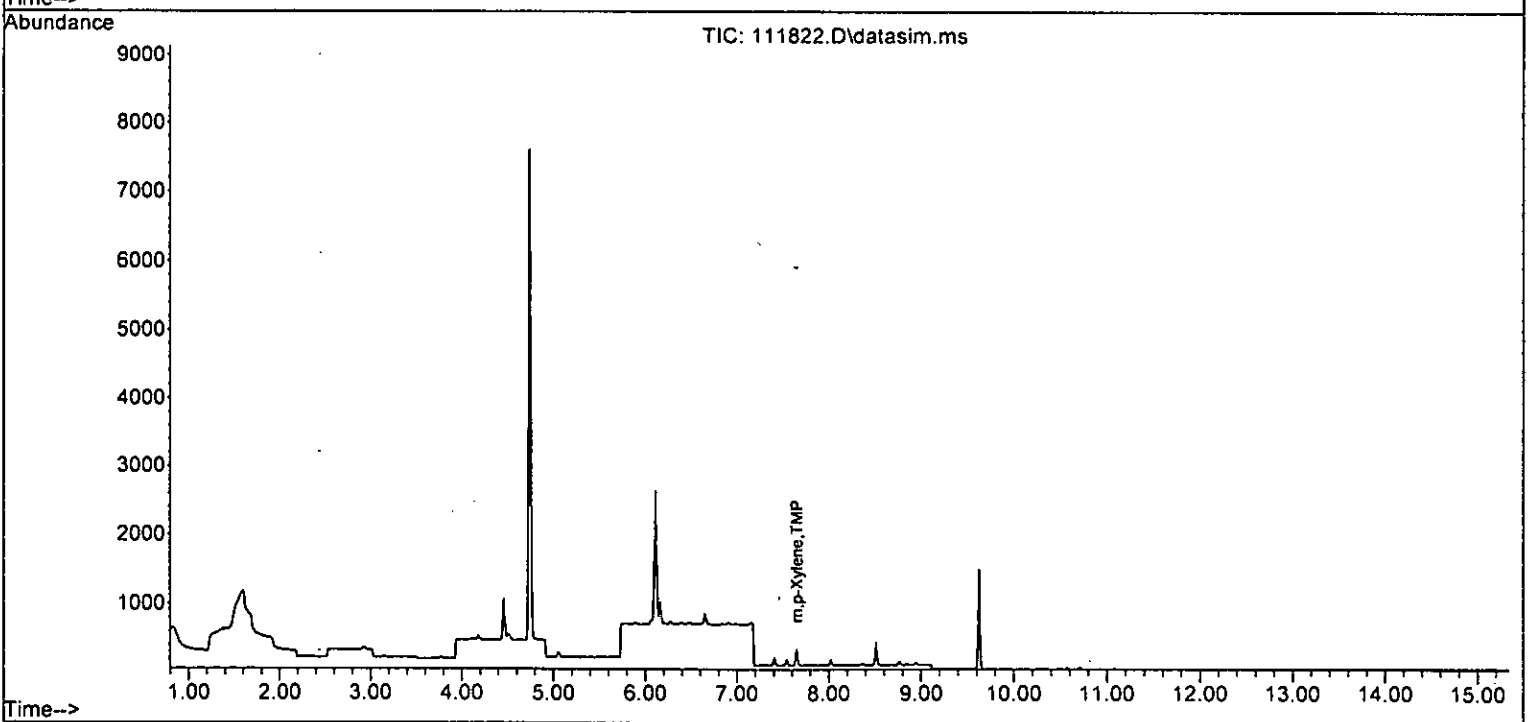
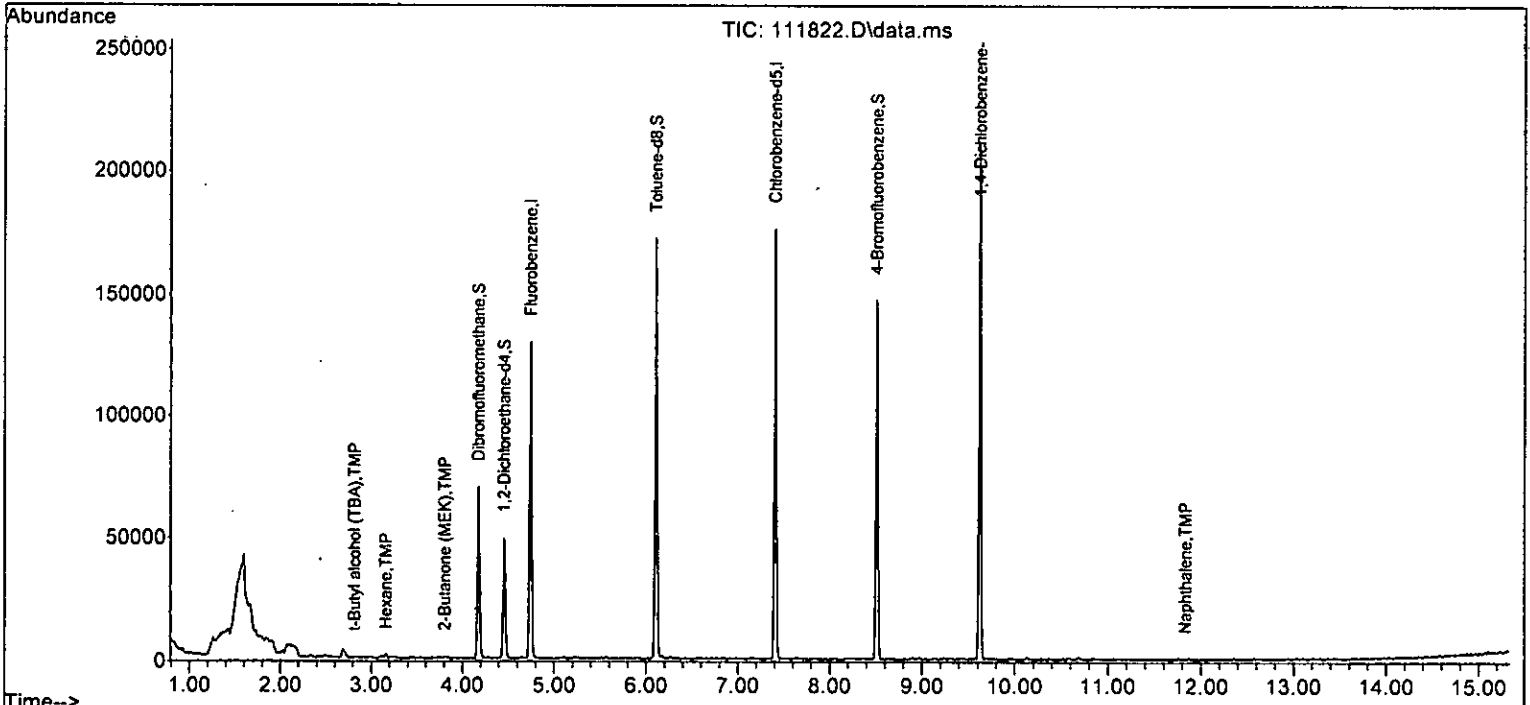
Quant Time: Nov 21 09:45:19 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.00		0		N.D.	
38) cis-1,3-Dichloropropene	0.00		0		N.D.	
40) Toluene	6.16	92	166		N.D.	
41) trans-1,3-Dichloropropene	0.00		0		N.D. d	
42] 1,1,2-Trichloroethane	6.50	83	20	Below Cal	#	64
43) 2-Hexanone	6.76	43	137		N.D.	
44) 1,3-Dichloropropane	0.00		0		N.D.	
45] Tetrachloroethene	6.65	164	66	Below Cal		91
46) Dibromochloromethane	0.00		0		N.D.	
47) 1,2-Dibromoethane (EDB)	0.00		0		N.D.	
48) Chlorobenzene	0.00		0		N.D.	
49) Ethylbenzene	7.54	91	95		N.D.	
50) 1,1,1,2-Tetrachloroethane	0.00		0		N.D.	
51] m,p-Xylene	7.65	106	129	0.023 ppb	#	74
52) o-Xylene	8.02	106	41		N.D.	
53) Styrene	0.00		0		N.D.	
54) Isopropylbenzene	8.37	105	108		N.D.	
55) Bromoform	0.00		0		N.D.	
58) n-Propylbenzene	8.77	91	37		N.D.	
59) Bromobenzene	0.00		0		N.D.	
60) 1,3,5-Trimethylbenzene	8.93	105	33		N.D.	
61) 1,1,2,2-Tetrachloroethane	0.00		0		N.D.	
62) 1,2,3-Trichloropropane	8.89	75	36		N.D.	
63) 2-Chlorotoluene	8.77	91	37		N.D.	
64) 4-Chlorotoluene	8.77	91	37		N.D.	
65) tert-Butylbenzene	9.29	119	30		N.D.	
66) 1,2,4-Trimethylbenzene	9.30	105	105		N.D.	
67) sec-Butylbenzene	9.46	105	22		N.D.	
68) p-Isopropyltoluene	9.60	119	54		N.D.	
69) 1,3-Dichlorobenzene	0.00		0		N.D.	
70) 1,4-Dichlorobenzene	0.00		0		N.D.	
71) 1,2-Dichlorobenzene	0.00		0		N.D.	
72) 1,2-Dibromo-3-chloropr...	0.00		0		N.D.	
73) 1,2,4-Trichlorobenzene	0.00		0		N.D.	
74) Hexachlorobutadiene	0.00		0		N.D.	
75) Naphthalene	11.83	128	182	0.097 ppb		69
76) 1,2,3-Trichlorobenzene	12.08	180	27		N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111822.D
 Acq On : 18 Nov 2022 03:34 pm
 Operator : LM
 Sample : 211213-10 1/0.25
 Misc : soil
 ALS Vial : 17 Sample Multiplier: 1
 InstName : GCMS13

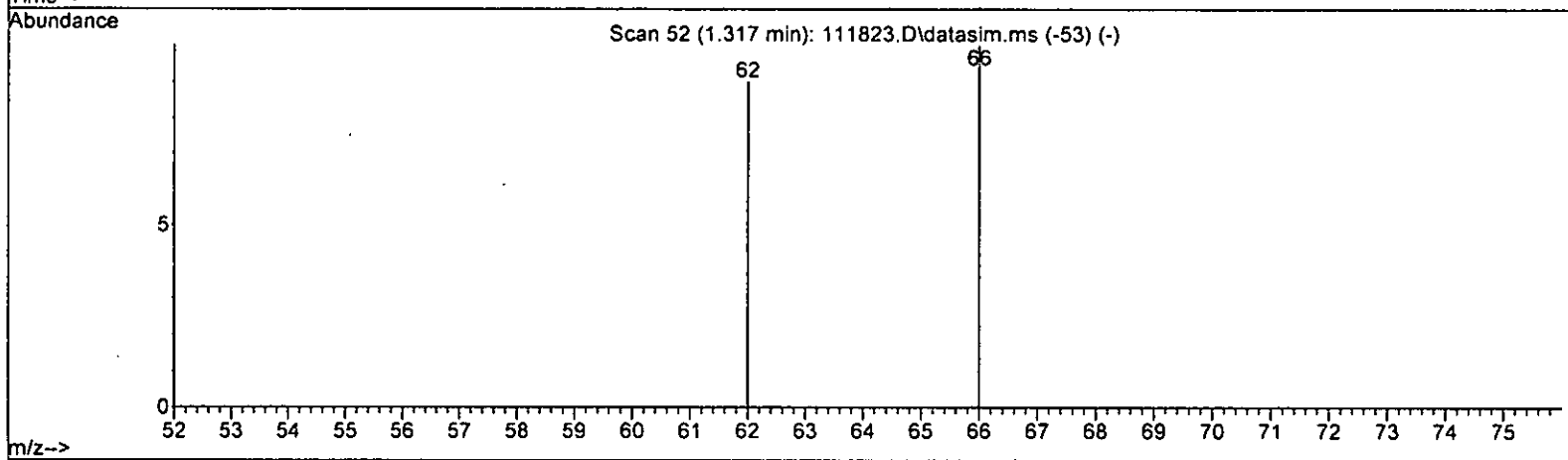
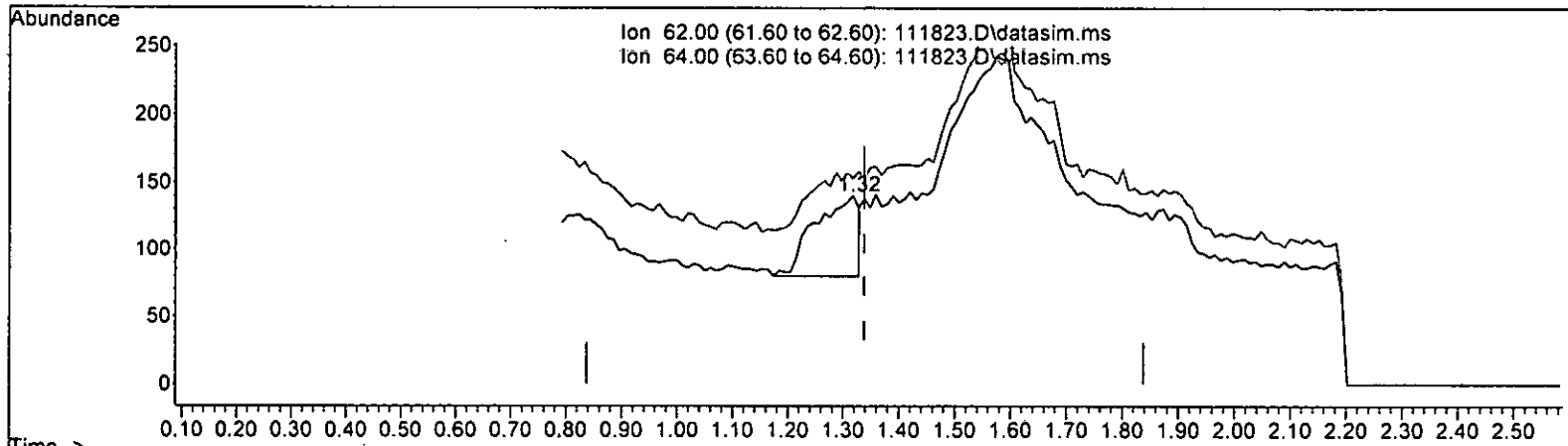
Quant Time: Nov 21 09:45:19 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth: VM080322.M



Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111823.D
 Acq On : 18 Nov 2022 03:58 pm
 Operator : LM
 Sample : 211213-11 1/0.25
 Misc : soil
 ALS Vial : 18 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:45:23 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 111823.D\data.ms

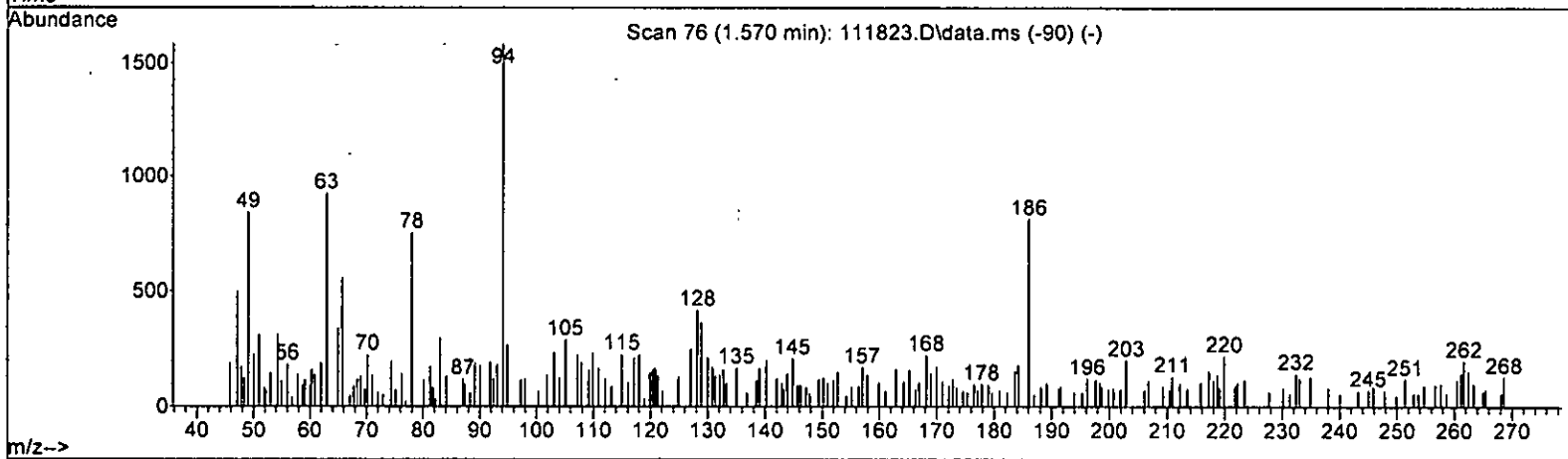
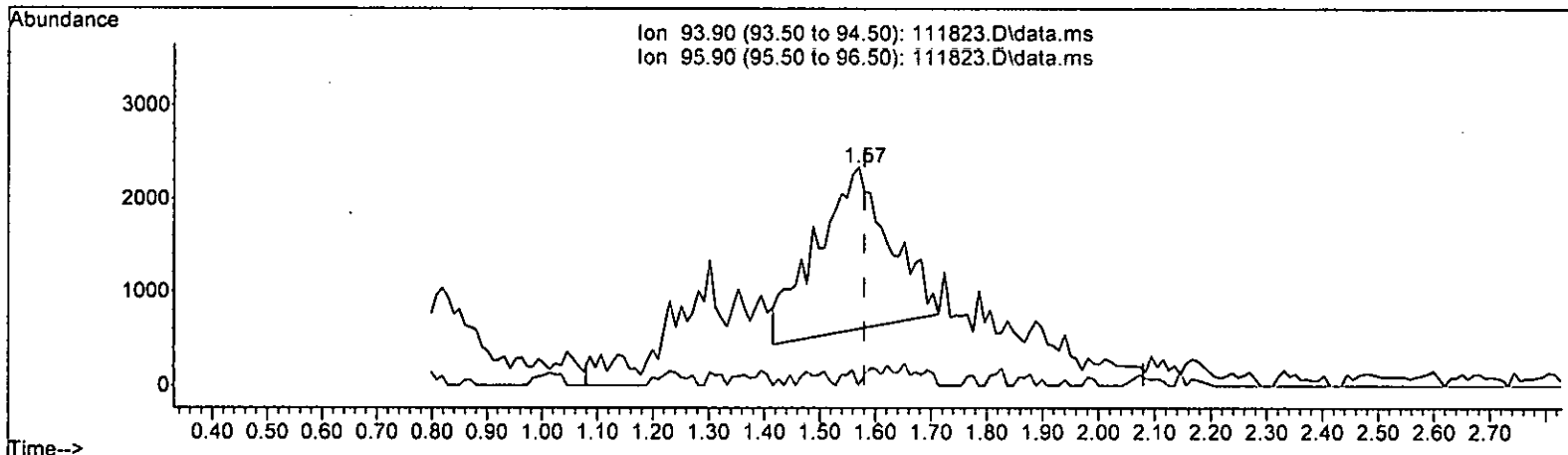
(6) Vinyl chloride (TMP)
 1.317min (-0.021) 0.059 ppb

response	326
Ion	Exp% Act%
62.00	100.00 100.00
64.00	34.40 65.00#
0.00	0.00 0.00
0.00	0.00 0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111823.D
 Acq On : 18 Nov 2022 03:58 pm
 Operator : LM
 Sample : 211213-11 1/0.25
 Misc : soil
 ALS Vial : 18 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:45:23 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 111823.D\data.ms

(7) Bromomethane (TMP)

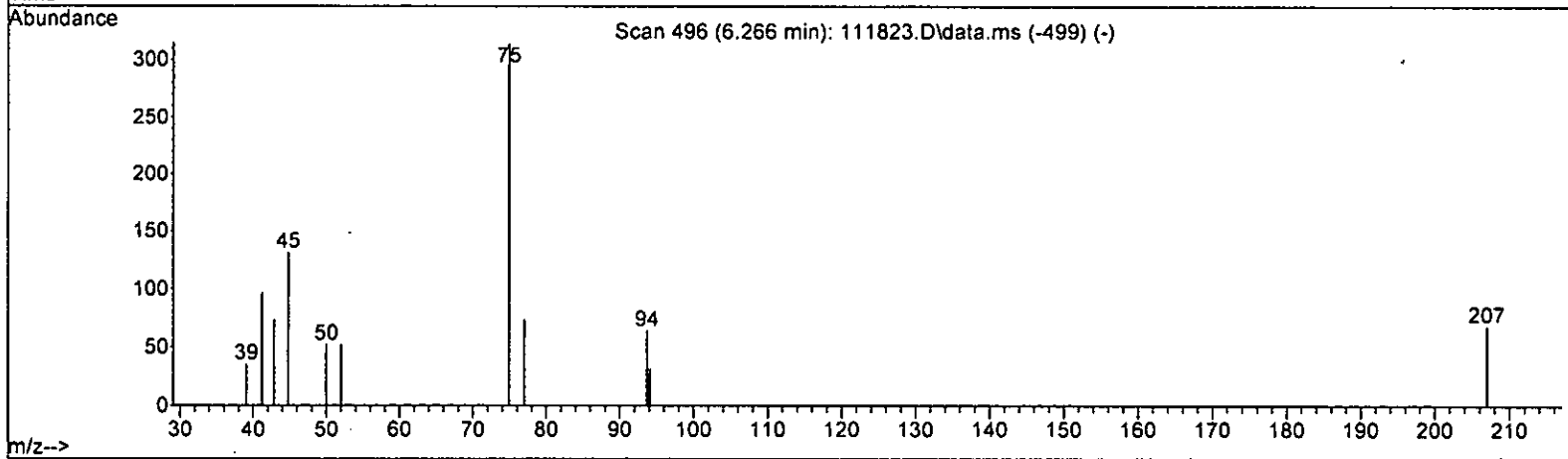
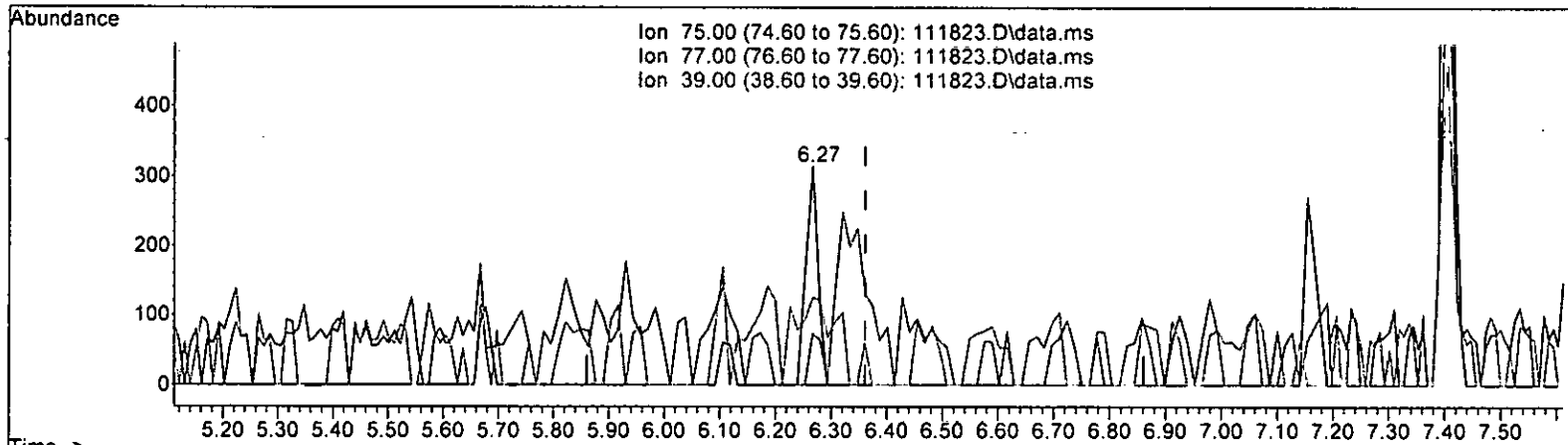
1.570min (-0.010) 3.405 ppb

response	16064
Ion	Exp% Act%
93.90	100.00 100.00
95.90	93.50 0.00#
0.00	0.00 0.00
0.00	0.00 0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111823.D
 Acq On : 18 Nov 2022 03:58 pm
 Operator : LM
 Sample : 211213-11 1/0.25
 Misc : soil
 ALS Vial : 18 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:45:23 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 Qlast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 111823.D\data.ms

(41) trans-1,3-Dichloropropene (TMP)

6.266min (-0.095) 0.152 ppb

response 472

Ion	Exp%	Act%
75.00	100.00	100.00
77.00	32.60	23.25
39.00	46.30	11.15#
0.00	0.00	0.00

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111823.D
 Acq On : 18 Nov 2022 03:58 pm
 Operator : LM
 Sample : 211213-11 1/0.25
 Misc : soil
 ALS Vial : 18 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:45:23 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

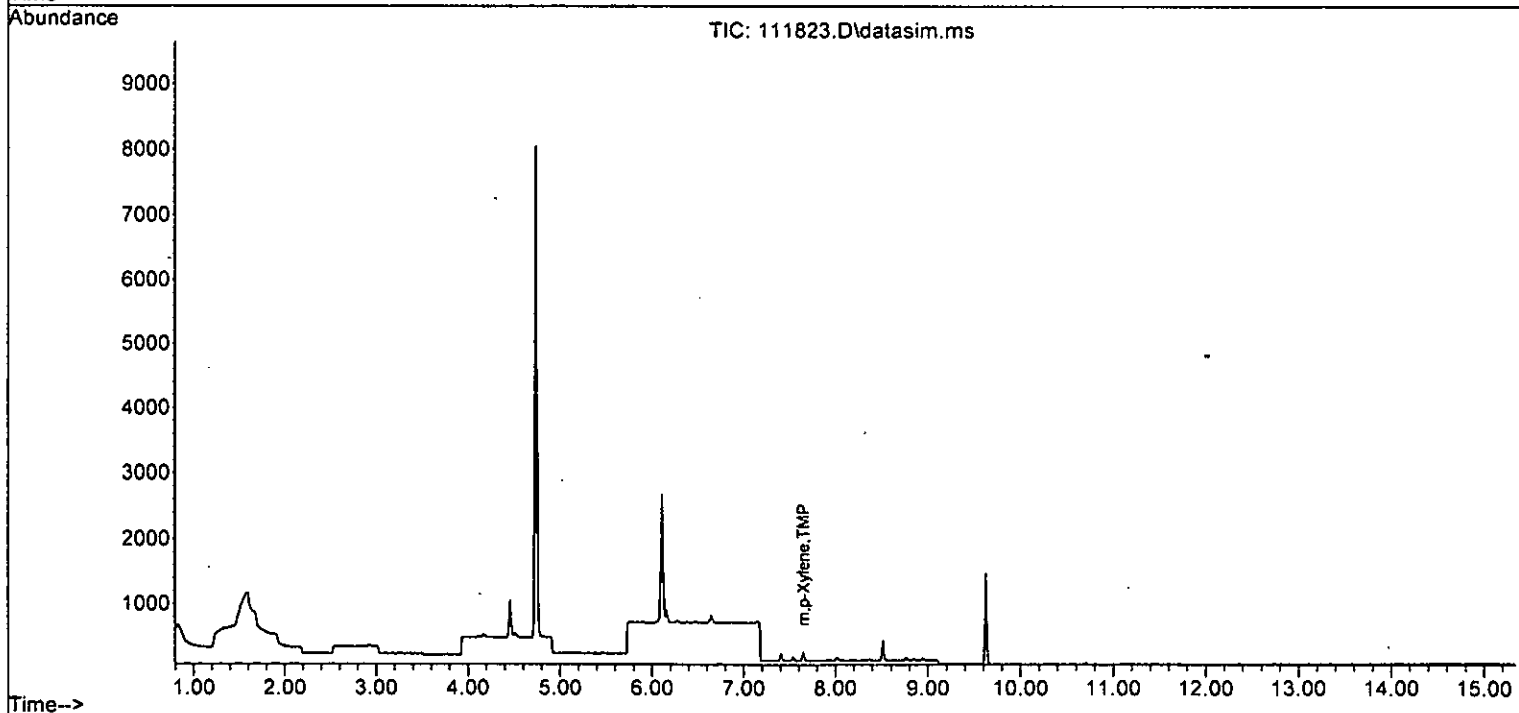
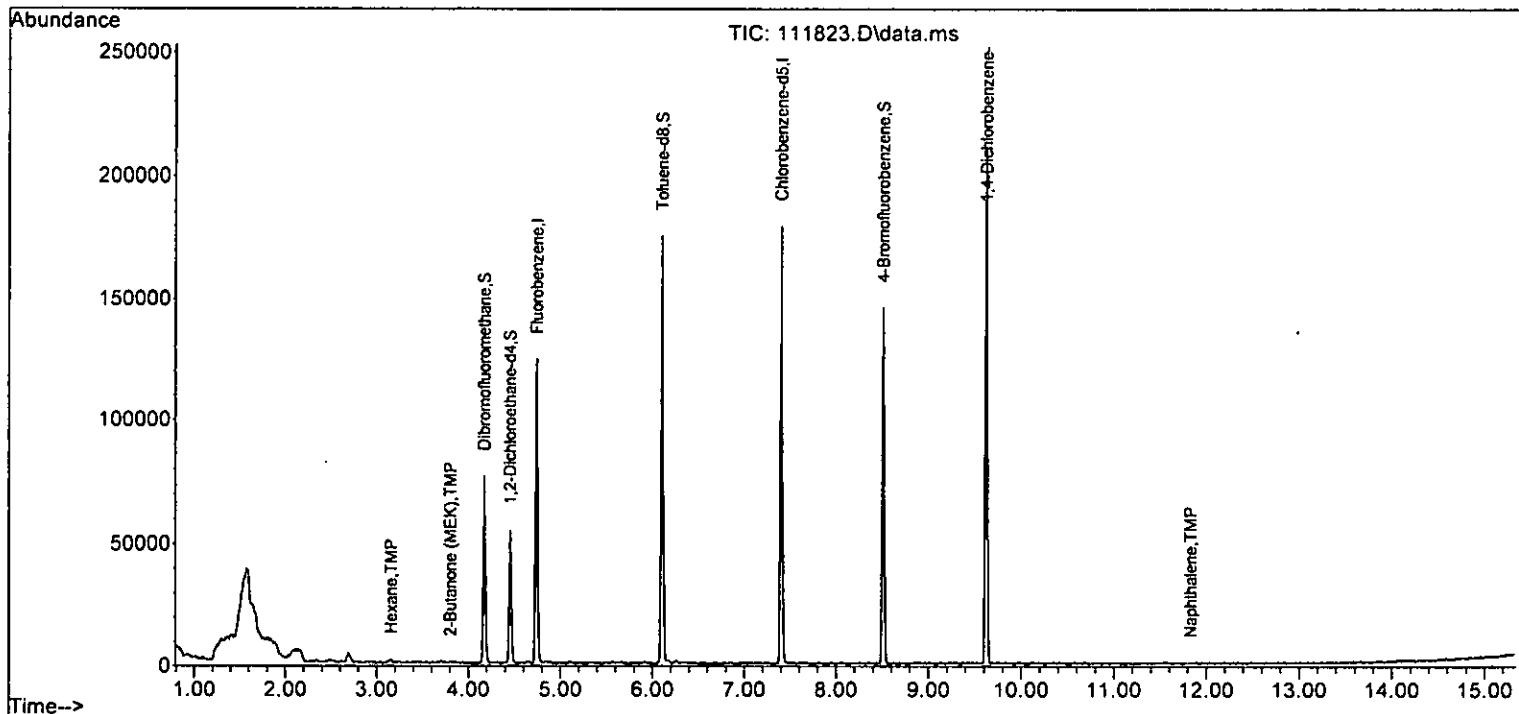
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

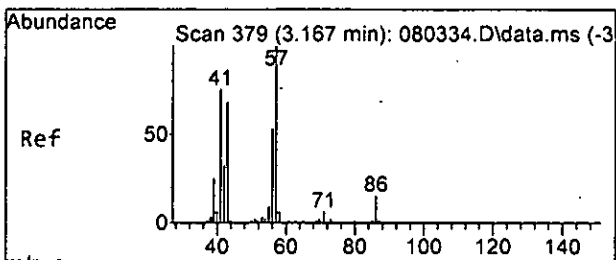
Internal Standards						
1) Fluorobenzene	4.75	96	109200	10.000	ppb	0.00
39) Chlorobenzene-d5	7.40	117	91491	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	53189	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.17	113	33436	9.548	ppb	0.00
Spiked Amount	10.000	Range 50 - 150	Recovery	=	95.50%	
30) 1,2-Dichloroethane-d4	4.45	102	5874	8.655	ppb	0.00
Spiked Amount	10.000	Range 84 - 120	Recovery	=	86.60%	
35) Toluene-d8	6.11	98	95607	9.180	ppb	0.00
Spiked Amount	10.000	Range 73 - 128	Recovery	=	91.80%	
57) 4-Bromofluorobenzene	8.51	95	36756	10.029	ppb	0.00
Spiked Amount	10.000	Range 57 - 146	Recovery	=	100.30%	
Target Compounds						
						Qvalue
11) Acetone	2.35	58	36	Below Cal	#	1
13) Hexane	3.16	57	494	0.140	ppb #	57
14) Methylene chloride	2.69	84	2488	Below Cal		89
24) 2-Butanone (MEK)	3.81	43	716	0.267	ppb	55
26] 1,2-Dichloroethane (EDC)	4.52	62	81	Below Cal		91
40] Toluene	6.16	92	86	Below Cal		95
42] 1,1,2-Trichloroethane	6.55	83	32	Below Cal	#	9
45] Tetrachloroethene	6.65	164	48	Below Cal		90
51] m,p-Xylene	7.65	106	77	0.014	ppb #	78
75) Naphthalene	11.83	128	119	0.090	ppb	69

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111823.D
 Acq On : 18 Nov 2022 03:58 pm
 Operator : LM
 Sample : 211213-11 1/0.25
 Misc : soil
 ALS Vial : 18 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:45:23 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

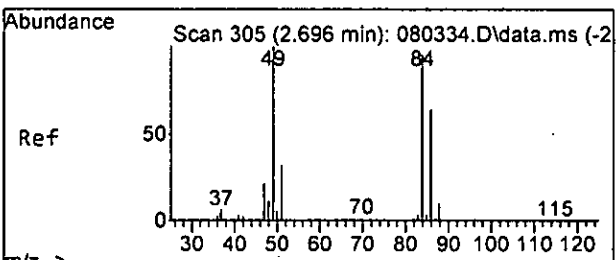
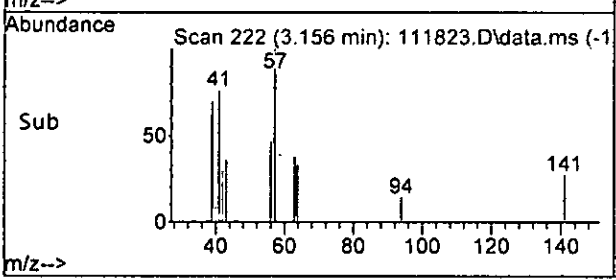
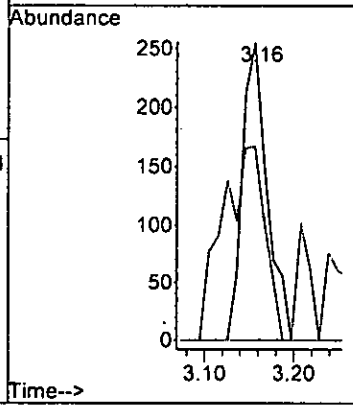
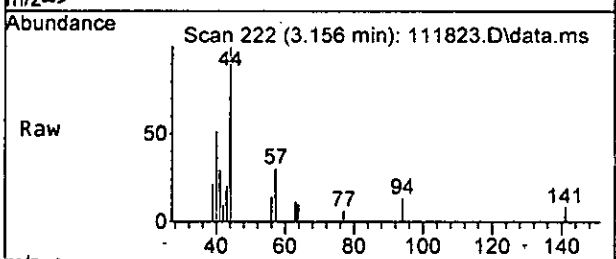




#13
Hexane
Concen: 0.140 ppb
RT: 3.16 min Scan# 222
Delta R.T. -0.001 min
Lab File: 111823.D
Acq: 18 Nov 2022 03:58 pm

Tgt Ion: 57 Resp: 494

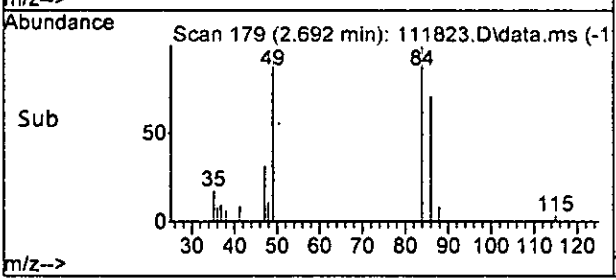
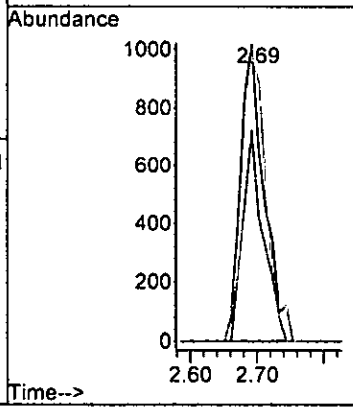
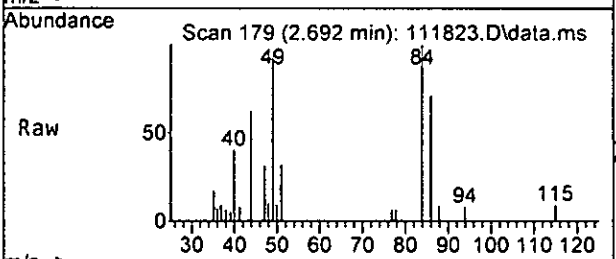
Ion	Ratio	Lower	Upper
57	100		
43	30.2	35.4	95.4#
86	0.0	0.0	44.8

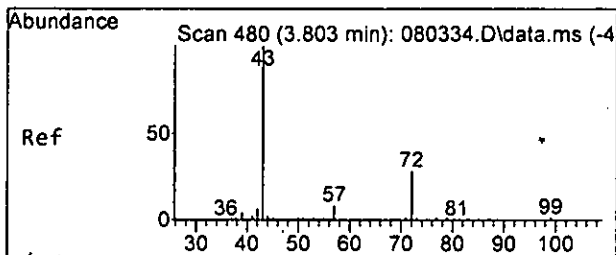


#14
Methylene chloride
Concen: Below Cal
RT: 2.69 min Scan# 179
Delta R.T. 0.010 min
Lab File: 111823.D
Acq: 18 Nov 2022 03:58 pm

Tgt Ion: 84 Resp: 2488

Ion	Ratio	Lower	Upper
84	100		
86	71.1	37.1	97.1
49	95.7	81.3	141.3

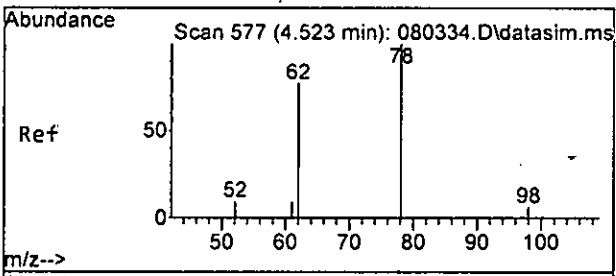
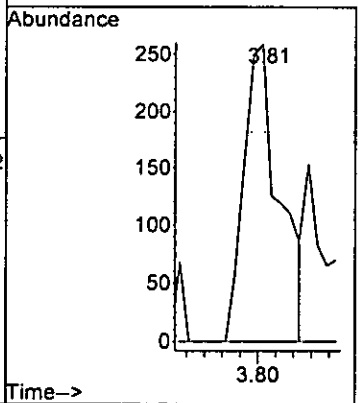
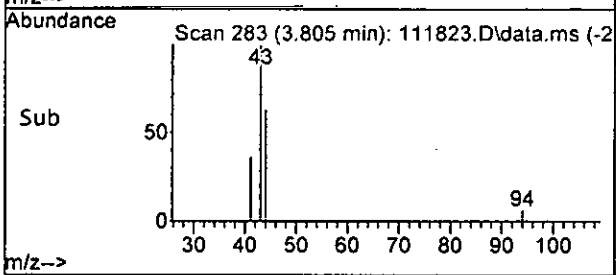
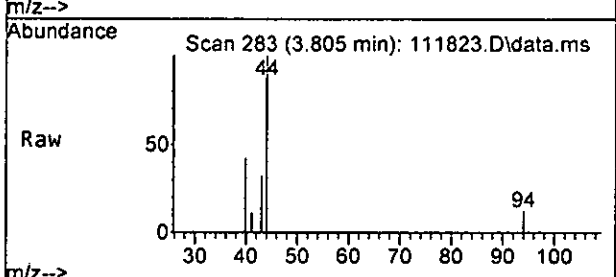




#24
 2-Butanone (MEK)
 Concen: 0.267 ppb
 RT: 3.81 min Scan# 283
 Delta R.T. 0.010 min
 Lab File: 111823.D
 Acq: 18 Nov 2022 03:58 pm

Tgt Ion: 43 Resp: 716

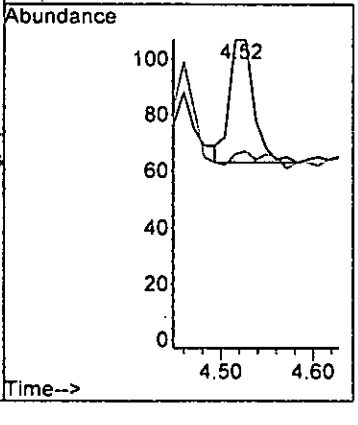
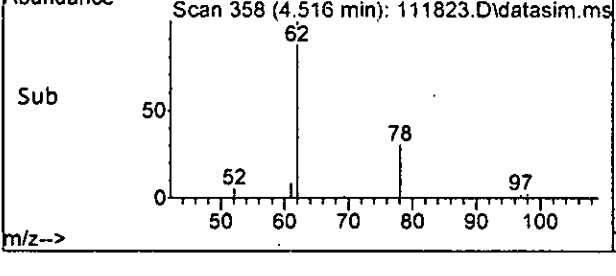
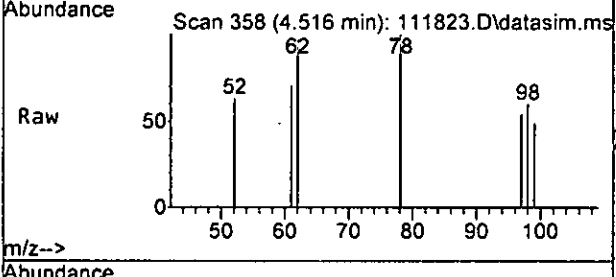
Ion	Ratio	Lower	Upper
43	100		
72	0.0	0.0	57.0
57	0.0	0.0	28.0

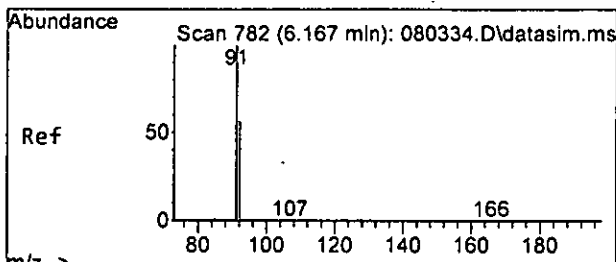


#26
 1,2-Dichloroethane (EDC)
 Concen: Below Cal
 RT: 4.52 min Scan# 358
 Delta R.T. -0.011 min
 Lab File: 111823.D
 Acq: 18 Nov 2022 03:58 pm

Tgt Ion: 62 Resp: 81

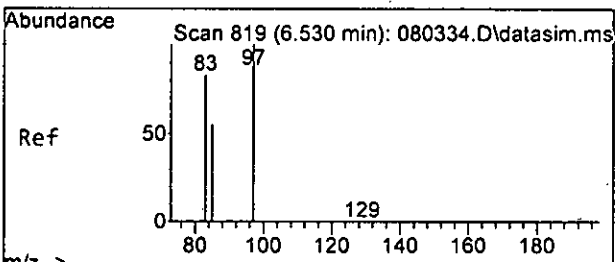
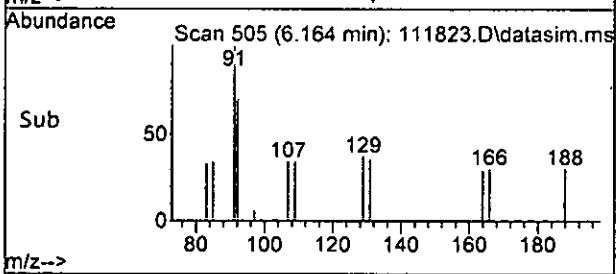
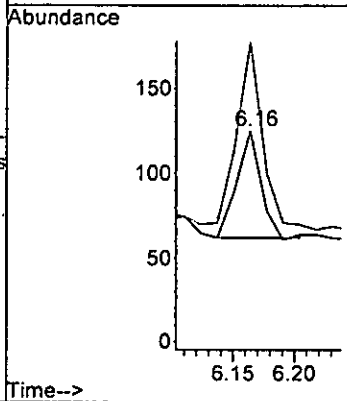
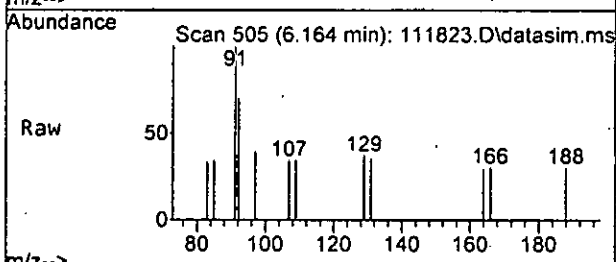
Ion	Ratio	Lower	Upper
62	100		
98	6.8	0.0	40.1





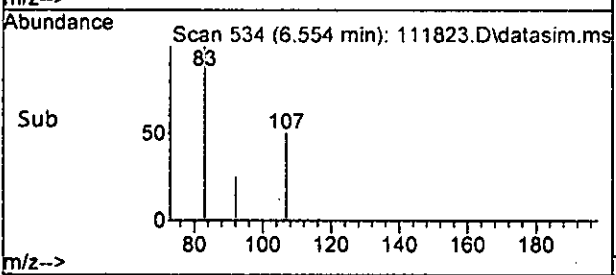
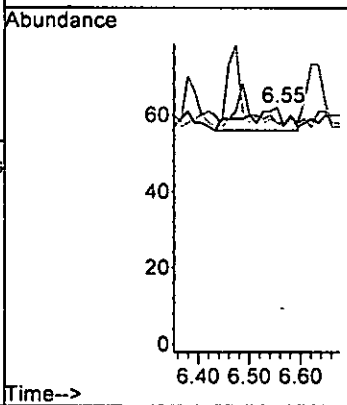
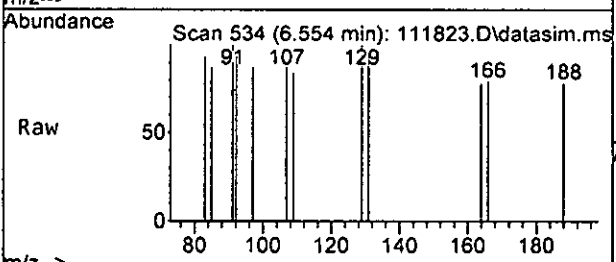
#40
 Toluene
 Concen: Below Cal
 RT: 6.16 min Scan# 505
 Delta R.T. -0.000 min
 Lab File: 111823.D
 Acq: 18 Nov 2022 03:58 pm

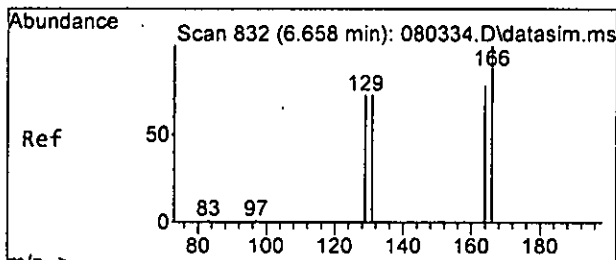
Tgt Ion: 92 Resp: 86
 Ion Ratio Lower Upper
 92 100
 91 171.4 148.5 208.5



#42
 1,1,2-Trichloroethane
 Concen: Below Cal
 RT: 6.55 min Scan# 534
 Delta R.T. 0.027 min
 Lab File: 111823.D
 Acq: 18 Nov 2022 03:58 pm

Tgt Ion: 83 Resp: 32
 Ion Ratio Lower Upper
 83 100
 97 0.0 88.0 148.0#
 85 16.7 35.3 95.3#

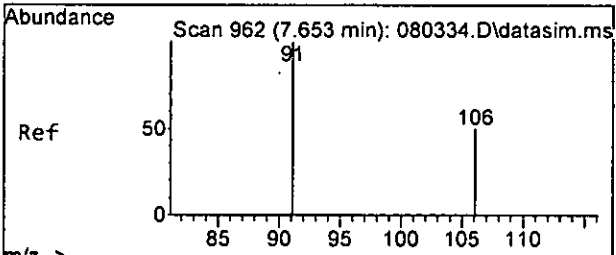
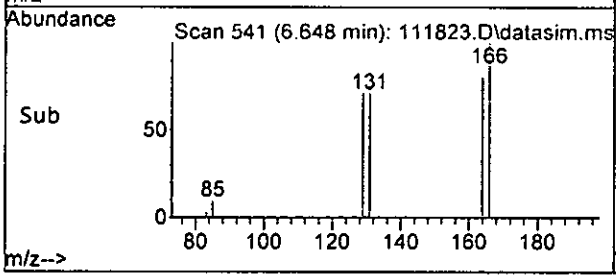
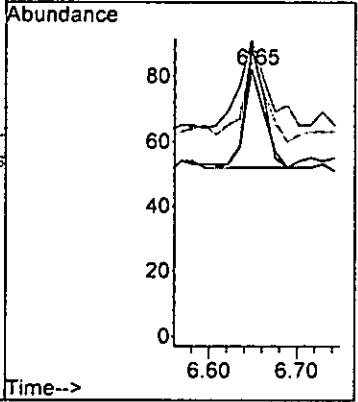
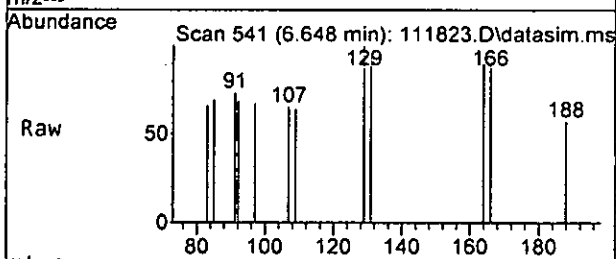




#45
 Tetrachloroethene
 Concen: Below Cal
 RT: 6.65 min Scan# 541
 Delta R.T. -0.000 min
 Lab File: 111823.D
 Acq: 18 Nov 2022 03:58 pm

Tgt Ion: 164 Resp: 48

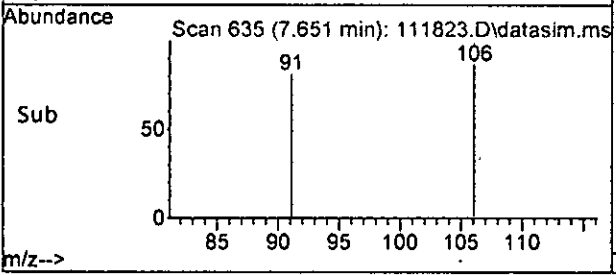
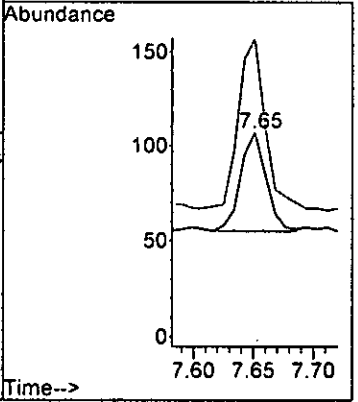
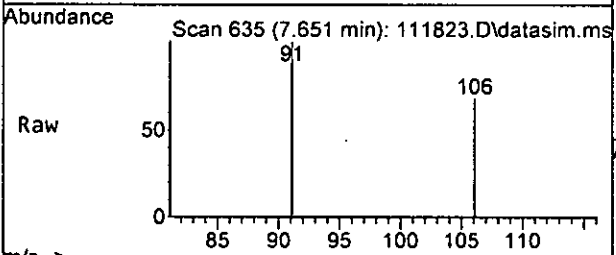
Ion	Ratio	Lower	Upper
164	100		
129	86.7	72.1	132.1
131	83.3	64.8	124.8
166	123.3	90.0	150.0

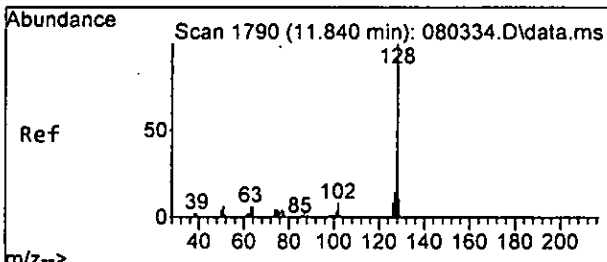


#51
 m,p-Xylene
 Concen: 0.014 ppb
 RT: 7.65 min Scan# 635
 Delta R.T. 0.000 min
 Lab File: 111823.D
 Acq: 18 Nov 2022 03:58 pm

Tgt Ion: 106 Resp: 77

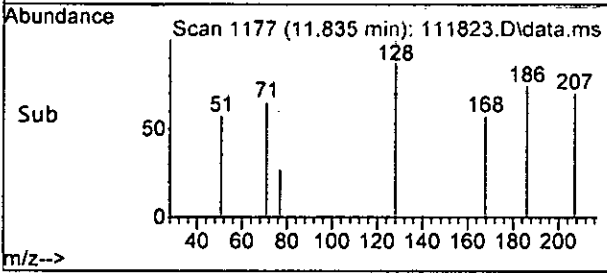
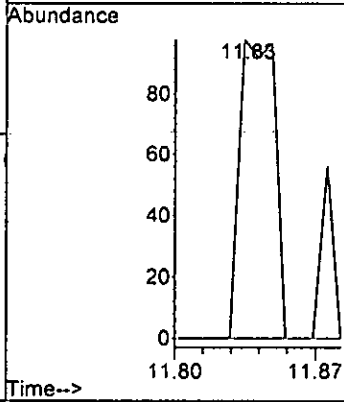
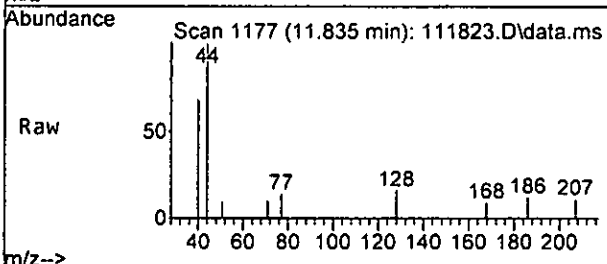
Ion	Ratio	Lower	Upper
106	100		
91	171.2	175.7	235.7#





#75
 Naphthalene
 Concen: 0.090 ppb
 RT: 11.83 min Scan# 1177
 Delta R.T. -0.000 min
 Lab File: 111823.D
 Acq: 18 Nov 2022 03:58 pm

Tgt Ion: 128 Resp: 119
 Ion Ratio Lower Upper
 128 100
 129 0.0 0.0 40.8
 127 0.0 0.0 43.1



Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111823.D
 Acq On : 18 Nov 2022 03:58 pm
 Operator : LM
 Sample : 211213-11 1/0.25
 Misc : soil
 ALS Vial : 18 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:45:23 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 Qlast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	4.75	96	109200	10.000	ppb	0.00	
39) Chlorobenzene-d5	7.40	117	91491	10.000	ppb	0.00	
56) 1,4-Dichlorobenzene-d4	9.62	152	53189	10.000	ppb	0.00	
System Monitoring Compounds							
3) Dibromofluoromethane	4.17	113	33436	9.548	ppb	0.00	
Spiked Amount	10.000	Range 50 - 150	Recovery	=	95.50%		
30) 1,2-Dichloroethane-d4	4.45	102	5874	8.655	ppb	0.00	
Spiked Amount	10.000	Range 84 - 120	Recovery	=	86.60%		
35) Toluene-d8	6.11	98	95607	9.180	ppb	0.00	
Spiked Amount	10.000	Range 73 - 128	Recovery	=	91.80%		
57) 4-Bromofluorobenzene	8.51	95	36756	10.029	ppb	0.00	
Spiked Amount	10.000	Range 57 - 146	Recovery	=	100.30%		
Target Compounds							
							Qvalue
2) Ethanol	2.30	45	357	No Calib			
4) Dichlorodifluoromethane	0.00		0	N.D.			
5) Chloromethane	1.28	50	1224	N.D.			
6) Vinyl chloride	0.00		0	N.D. d			
7) Bromomethane	0.00		0	N.D. d			
8) Chloroethane	0.00		0	N.D.			
9) Trichlorofluoromethane	1.86	101	35	N.D.			
10) 2-Propanol	2.30	45	357	No Calib	#		
11) Acetone	2.35	58	36	Below Cal	#	1	
12) 1,1-Dichloroethene	0.00		0	N.D.			
13) Hexane	3.16	57	494	0.140 ppb	#	57	
14) Methylene chloride	2.69	84	2488	Below Cal		89	
15) t-Butyl alcohol (TBA)	0.00		0	N.D.			
16) Methyl t-butyl ether (...)	0.00		0	N.D.			
17) trans-1,2-Dichloroethene	0.00		0	N.D.			
18) Diisopropyl ether (DIPE)	0.00		0	N.D.			
19) 1,1-Dichloroethane	0.00		0	N.D.			
20) Ethyl t-butyl ether (E...)	0.00		0	N.D.			
21) 2,2-Dichloropropane	3.79	77	120	N.D.			
22) cis-1,2-Dichloroethene	0.00		0	N.D.			
23) Chloroform	0.00		0	N.D.			
24) 2-Butanone (MEK)	3.81	43	716	0.267 ppb		55	
25) t-Amyl methyl ether (T...)	0.00		0	N.D.			
26] 1,2-Dichloroethane (EDC)	4.52	62	81	Below Cal		91	
27) 1,1,1-Trichloroethane	0.00		0	N.D.			
28) 1,1-Dichloropropene	0.00		0	N.D.			
29) Carbon tetrachloride	0.00		0	N.D.			
31) Benzene	0.00		0	N.D.			
32) Trichloroethene	0.00		0	N.D.			
33) 1,2-Dichloropropane	5.24	63	39	N.D.			
34) Bromodichloromethane	0.00		0	N.D.			
36) Dibromomethane	0.00		0	N.D.			

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111823.D
 Acq On : 18 Nov 2022 03:58 pm
 Operator : LM
 Sample : 211213-11 1/0.25
 Misc : soil
 ALS Vial : 18 Sample Multiplier: 1
 InstName : GCMS13

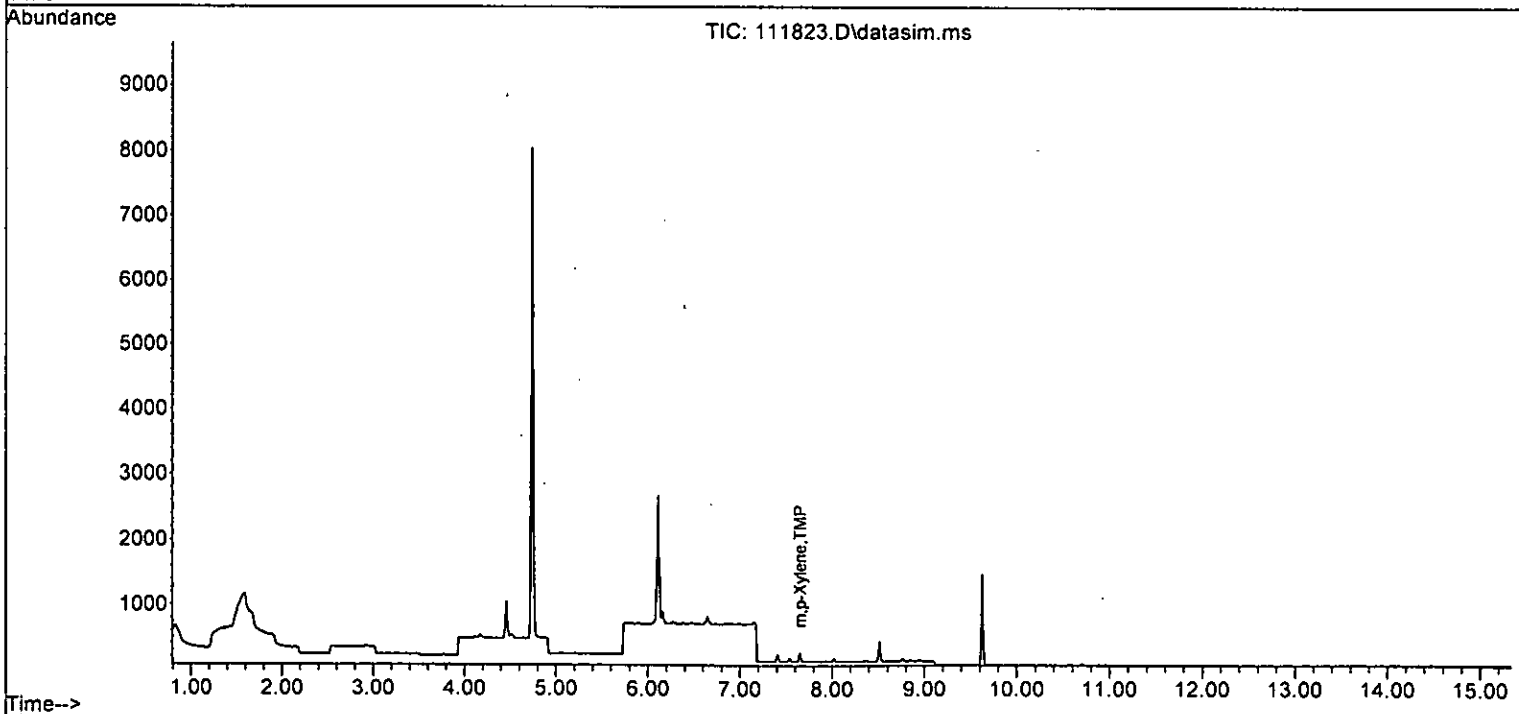
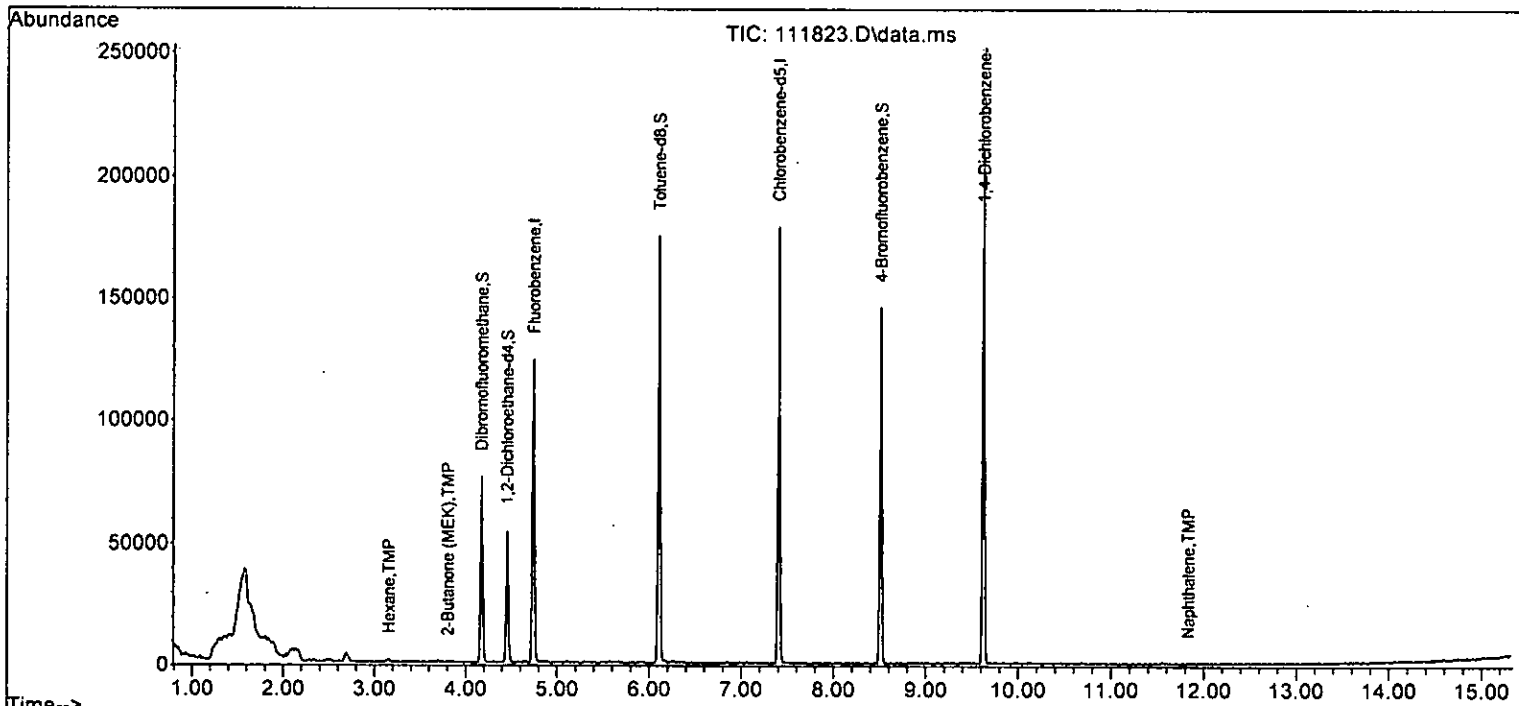
Quant Time: Nov 21 09:45:23 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.00		0		N.D.	
38) cis-1,3-Dichloropropene	0.00		0		N.D.	
40] Toluene	6.16	92	86	Below Cal		95
41) trans-1,3-Dichloropropene	0.00		0		N.D. d	
42] 1,1,2-Trichloroethane	6.55	83	32	Below Cal	#	9
43) 2-Hexanone	6.70	43	166		N.D.	
44) 1,3-Dichloropropane	0.00		0		N.D.	
45] Tetrachloroethene	6.65	164	48	Below Cal		90
46) Dibromochloromethane	0.00		0		N.D.	
47) 1,2-Dibromoethane (EDB)	0.00		0		N.D.	
48) Chlorobenzene	0.00		0		N.D.	
49) Ethylbenzene	7.54	91	71		N.D.	
50) 1,1,1,2-Tetrachloroethane	0.00		0		N.D.	
51] m,p-Xylene	7.65	106	77	0.014	ppb #	78
52) o-Xylene	8.01	106	28		N.D.	
53) Styrene	8.03	104	34		N.D.	
54) Isopropylbenzene	8.36	105	133		N.D.	
55) Bromoform	0.00		0		N.D.	
58) n-Propylbenzene	8.77	91	82		N.D.	
59) Bromobenzene	0.00		0		N.D.	
60) 1,3,5-Trimethylbenzene	0.00		0		N.D.	
61) 1,1,2,2-Tetrachloroethane	0.00		0		N.D.	
62) 1,2,3-Trichloropropane	8.77	75	61		N.D.	
63) 2-Chlorotoluene	8.77	91	82		N.D.	
64) 4-Chlorotoluene	8.77	91	82		N.D.	
65) tert-Butylbenzene	0.00		0		N.D.	
66) 1,2,4-Trimethylbenzene	9.29	105	152		N.D.	
67) sec-Butylbenzene	9.47	105	27		N.D.	
68) p-Isopropyltoluene	9.60	119	105		N.D.	
69) 1,3-Dichlorobenzene	9.63	146	60		N.D.	
70) 1,4-Dichlorobenzene	9.63	146	60		N.D.	
71) 1,2-Dichlorobenzene	0.00		0		N.D.	
72) 1,2-Dibromo-3-chloropr...	0.00		0		N.D.	
73) 1,2,4-Trichlorobenzene	0.00		0		N.D.	
74) Hexachlorobutadiene	0.00		0		N.D.	
75) Naphthalene	11.83	128	119	0.090	ppb	69
76) 1,2,3-Trichlorobenzene	0.00		0		N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS13\11-18-22\
Data File : 111823.D
Acq On : 18 Nov 2022 03:58 pm
Operator : LM
Sample : 211213-11 1/0.25
Misc : soil
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS13

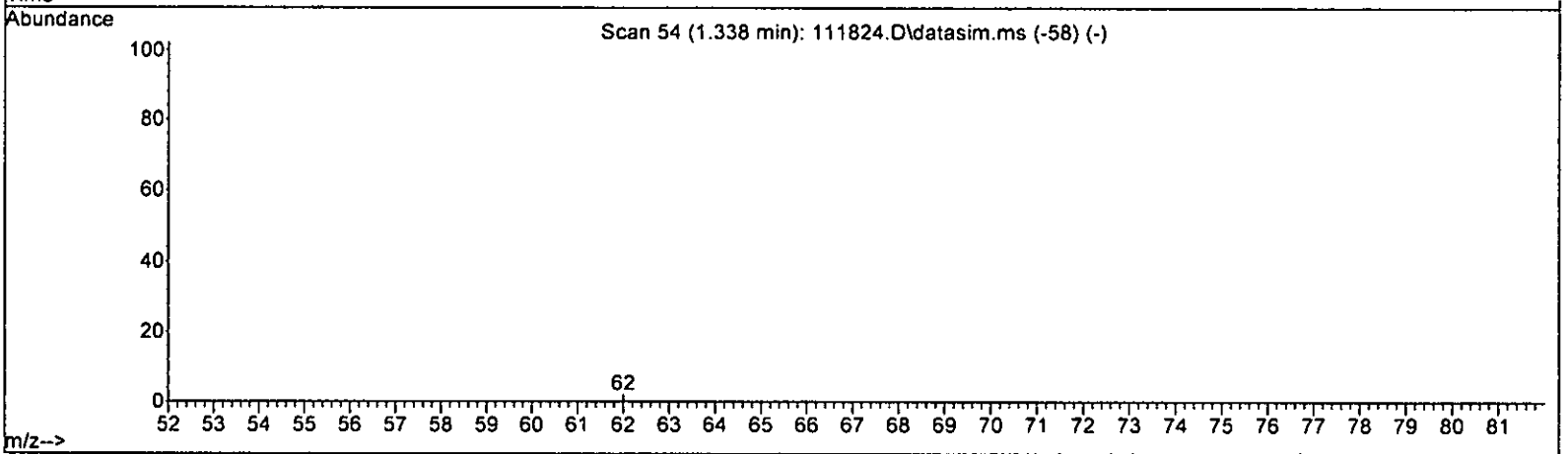
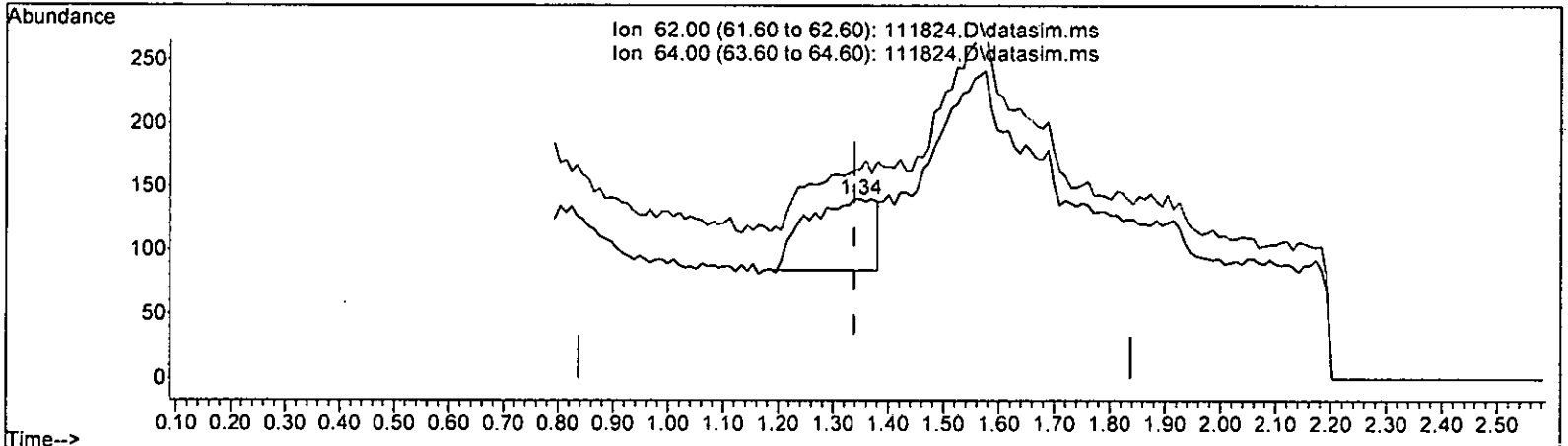
Quant Time: Nov 21 09:45:23 2022
Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
QLast Update : Mon Nov 07 15:16:10 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M



Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111824.D
 Acq On : 18 Nov 2022 04:21 pm
 Operator : LM
 Sample : 211213-12 1/0.25
 Misc : soil
 ALS Vial : 19 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:45:27 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 111824.D\data.ms

(6) Vinyl chloride (TMP)

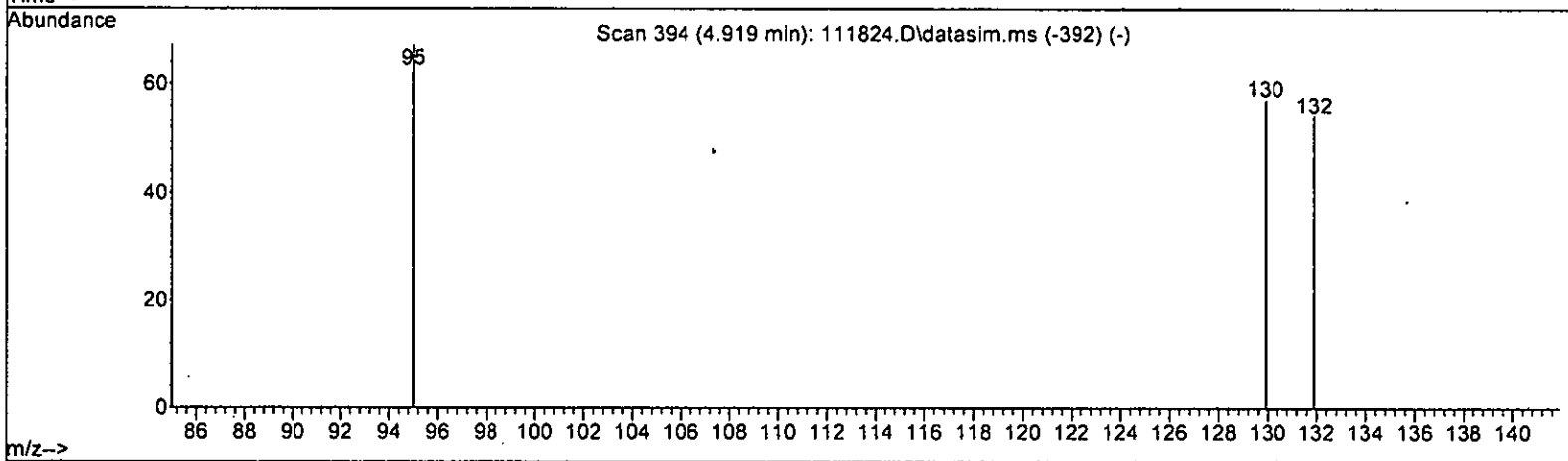
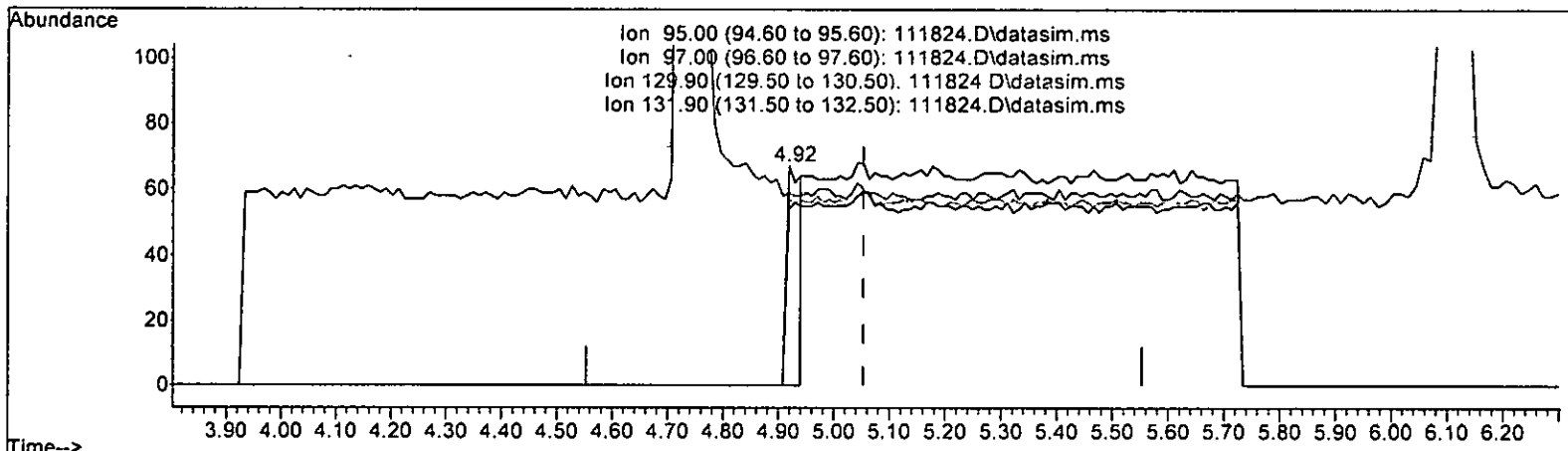
1.338min (+ 0.000) 0.096 ppb

response	484	
Ion	Exp%	Act%
62.00	100.00	100.00
64.00	34.40	78.57#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111824.D
 Acq On : 18 Nov 2022 04:21 pm
 Operator : LM
 Sample : 211213-12 1/0.25
 Misc : soil
 ALS Vial : 19 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:45:27 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



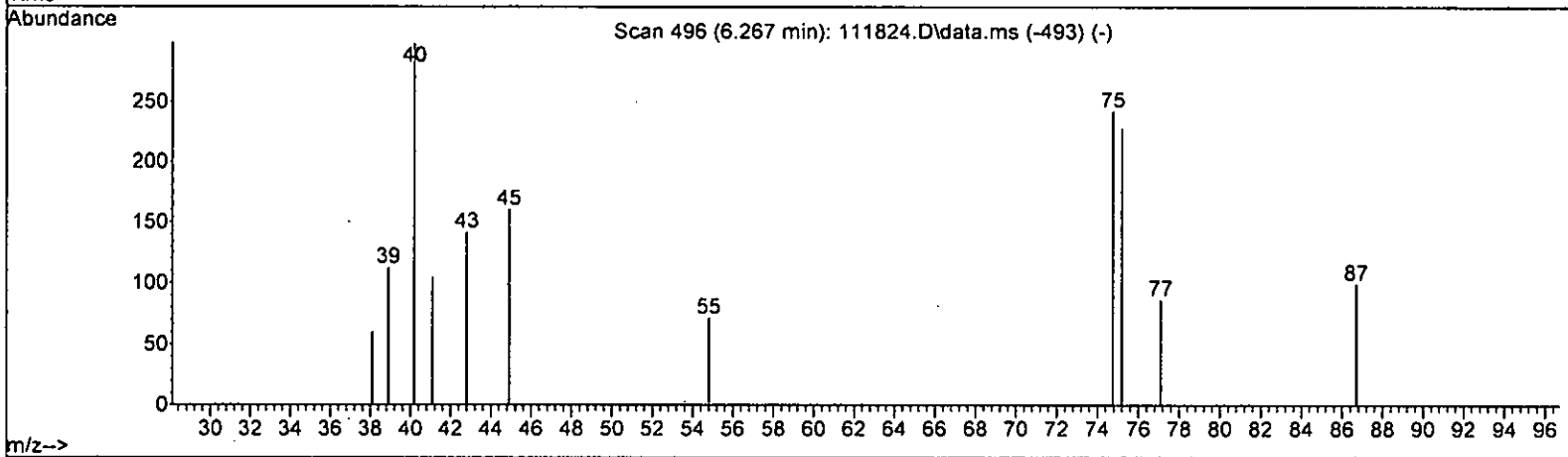
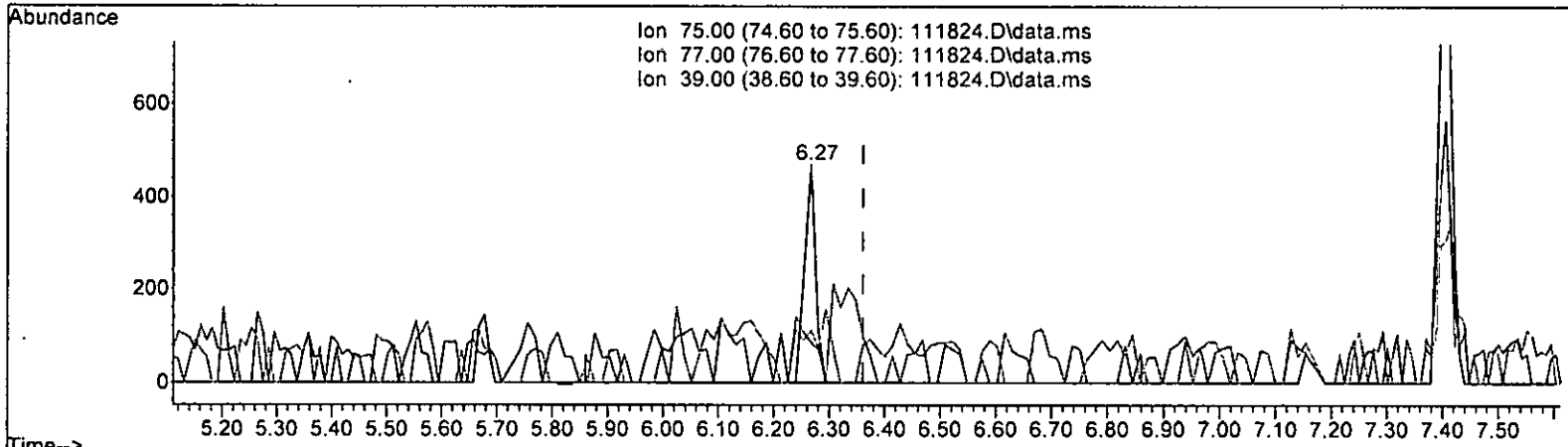
TIC: 111824.D\data.ms

(32) Trichloroethene (TMP)		
4.919min (-0.134) 0.035 ppb		
response	125	
Ion	Exp%	Act%
95.00	100.00	100.00
97.00	64.60	1.49#
129.90	103.40	85.07
131.90	95.80	80.60

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111824.D
 Acq On : 18 Nov 2022 04:21 pm
 Operator : LM
 Sample : 211213-12 1/0.25
 Misc : soil
 ALS Vial : 19 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:45:27 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 111824.D\data.ms

(41) trans-1,3-Dichloropropene (TMP)

6.267min (-0.094) 0.202 ppb

response	638
Ion	Exp% Act%
75.00	100.00 100.00
77.00	32.60 18.30
39.00	46.30 23.83
0.00	0.00 0.00

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111824.D
 Acq On : 18 Nov 2022 04:21 pm
 Operator : LM
 Sample : 211213-12 1/0.25
 Misc : soil
 ALS Vial : 19 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:45:27 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

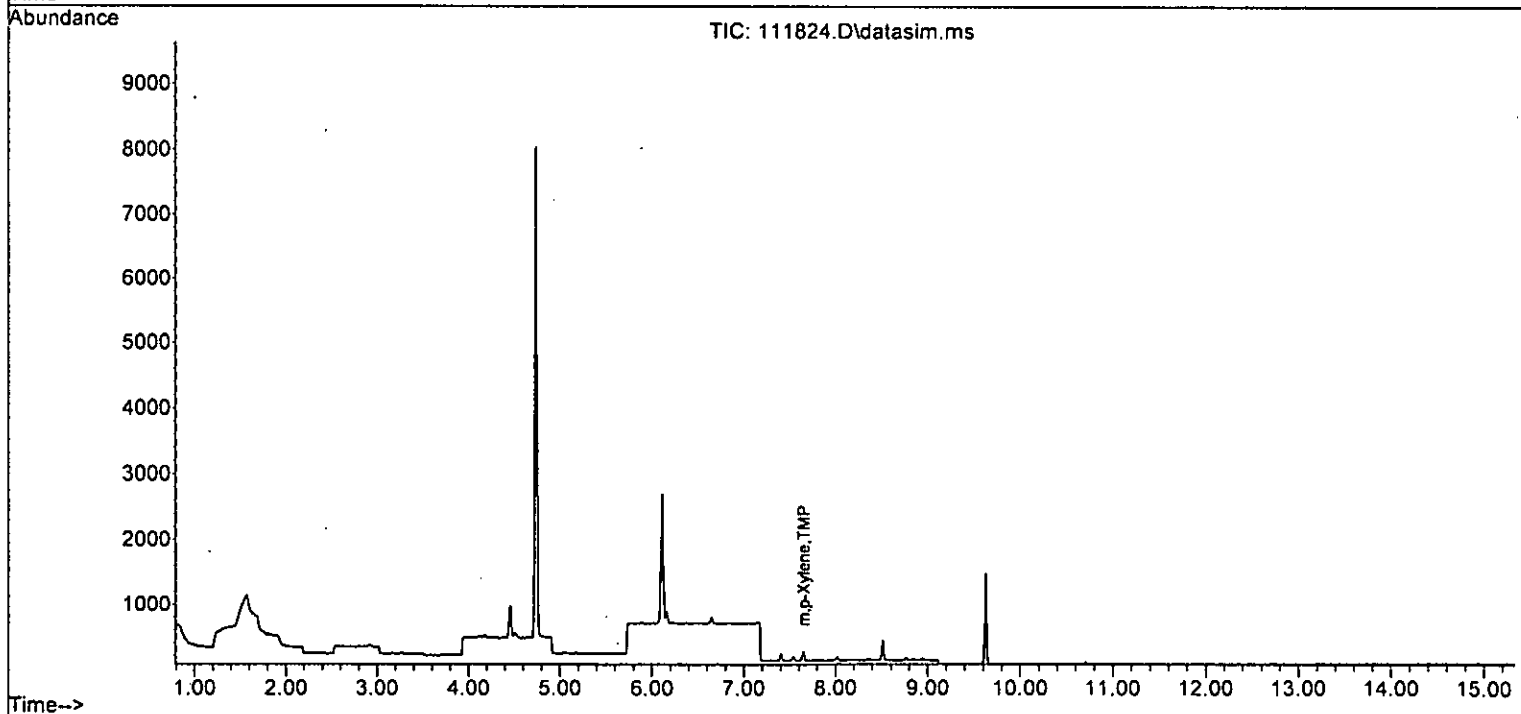
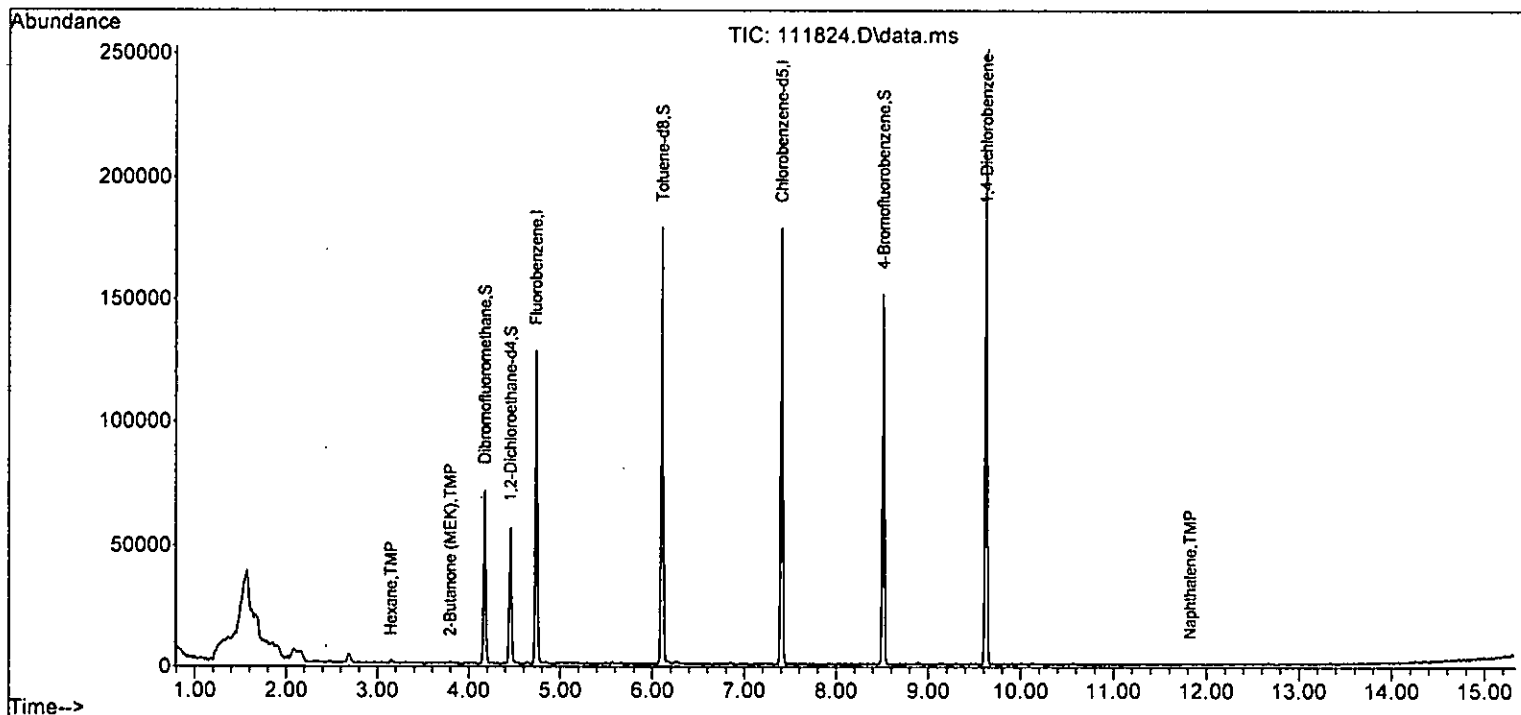
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

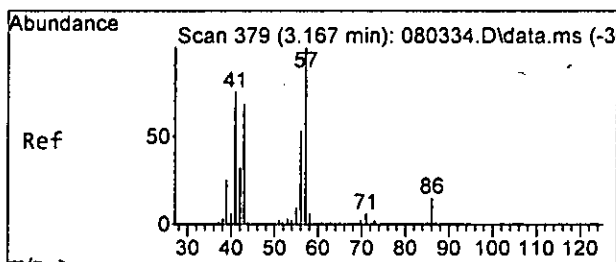
Internal Standards						
1) Fluorobenzene	4.73	96	98517	10.000	ppb	-0.01
39) Chlorobenzene-d5	7.41	117	92749	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	52819	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.18	113	32769	10.372	ppb	0.00
Spiked Amount	10.000	Range 50 - 150	Recovery	= 103.70%		
30) 1,2-Dichloroethane-d4	4.46	102	6370	10.404	ppb	0.00
Spiked Amount	10.000	Range 84 - 120	Recovery	= 104.00%		
35) Toluene-d8	6.11	98	98746	10.510	ppb	0.00
Spiked Amount	10.000	Range 73 - 128	Recovery	= 105.10%		
57) 4-Bromofluorobenzene	8.51	95	36670	10.076	ppb	0.00
Spiked Amount	10.000	Range 57 - 146	Recovery	= 100.80%		
Target Compounds						
11) Acetone	2.33	58	67	Below Cal	#	1
13) Hexane	3.15	57	493	0.155	ppb	93
14) Methylene chloride	2.68	84	2573	Below Cal		95
24) 2-Butanone (MEK)	3.80	43	635	0.258	ppb	95
26] 1,2-Dichloroethane (EDC)	4.52	62	67	Below Cal		98
40] Toluene	6.16	92	90	Below Cal		98
45] Tetrachloroethene	6.65	164	46	Below Cal		93
51] m,p-Xylene	7.65	106	71	0.013	ppb	86
75) Naphthalene	11.82	128	153	0.094	ppb	69

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS13\11-18-22\
Data File : 111824.D
Acq On : 18 Nov 2022 04:21 pm
Operator : LM
Sample : 211213-12 1/0.25
Misc : soil
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS13

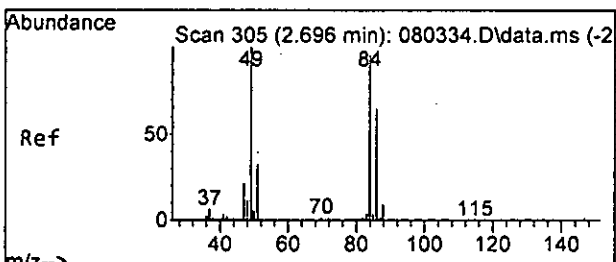
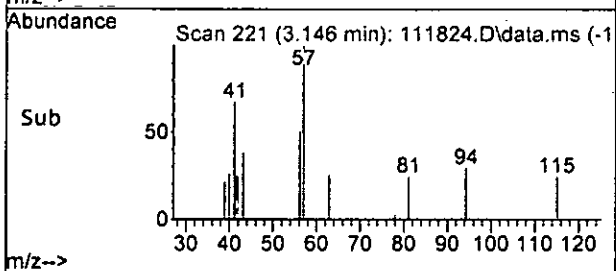
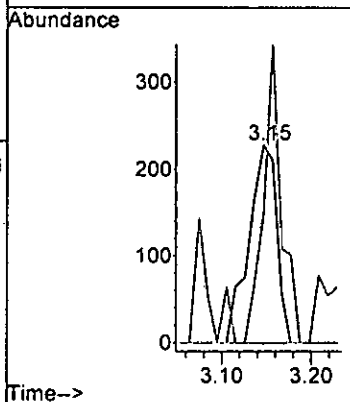
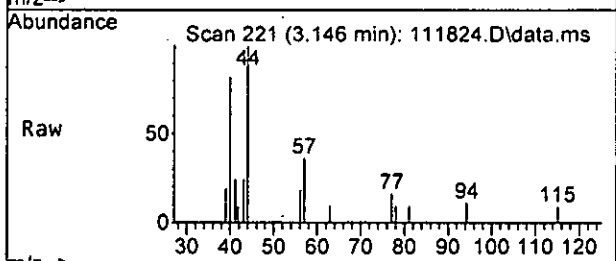
Quant Time: Nov 21 09:45:27 2022
Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
QLast Update : Mon Nov 07 15:16:10 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M





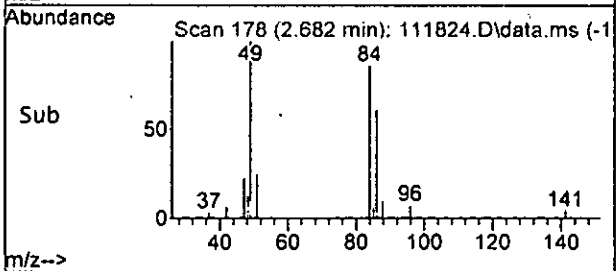
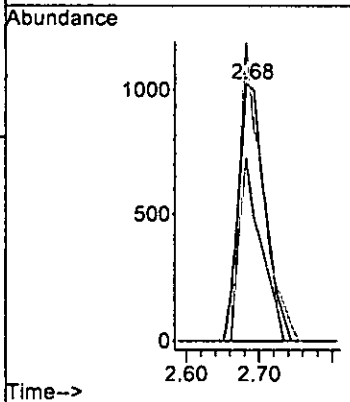
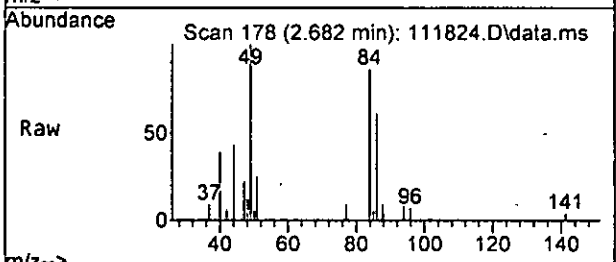
#13
 Hexane
 Concen: 0.155 ppb
 RT: 3.15 min Scan# 221
 Delta R.T. -0.011 min
 Lab File: 111824.D
 Acq: 18 Nov 2022 04:21 pm

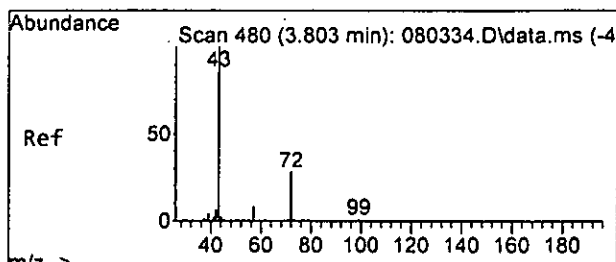
Tgt Ion:	Resp:	Lower	Upper
57	493	100	
43	64.9	35.4	95.4
86	0.0	0.0	44.8



#14
 Methylene chloride
 Concen: Below Cal
 RT: 2.68 min Scan# 178
 Delta R.T. 0.000 min
 Lab File: 111824.D
 Acq: 18 Nov 2022 04:21 pm

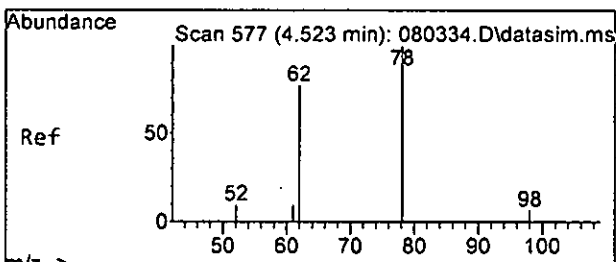
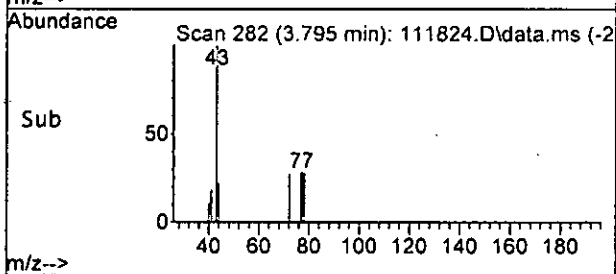
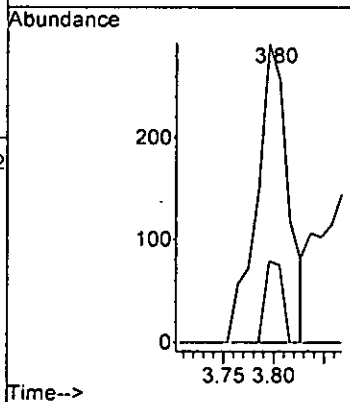
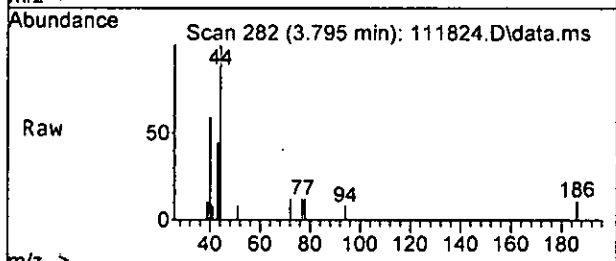
Tgt Ion:	Resp:	Lower	Upper
84	2573	100	
86	70.7	37.1	97.1
49	116.2	81.3	141.3





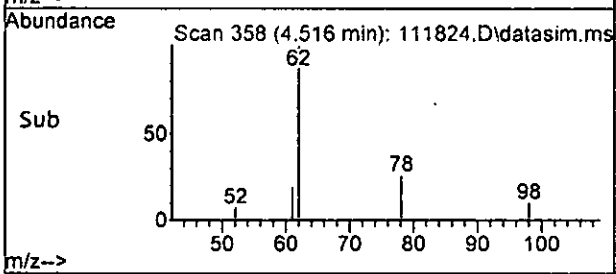
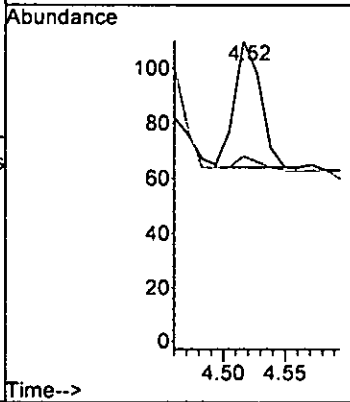
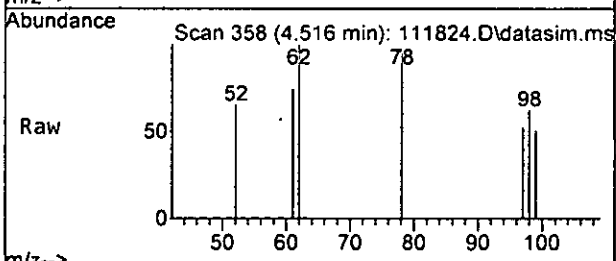
#24
 2-Butanone (MEK)
 Concen: 0.258 ppb
 RT: 3.80 min Scan# 282
 Delta R.T. 0.000 min
 Lab File: 111824.D
 Acq: 18 Nov 2022 04:21 pm

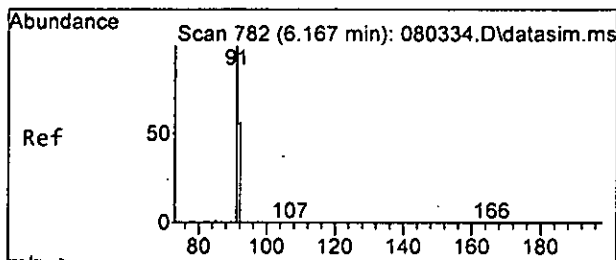
Tgt Ion:	43	72	57	Resp:	635
Ion Ratio	100	27.0	0.0	Lower	Upper
				0.0	57.0
				0.0	28.0



#26
 1,2-Dichloroethane (EDC)
 Concen: Below Cal
 RT: 4.52 min Scan# 358
 Delta R.T. -0.011 min
 Lab File: 111824.D
 Acq: 18 Nov 2022 04:21 pm

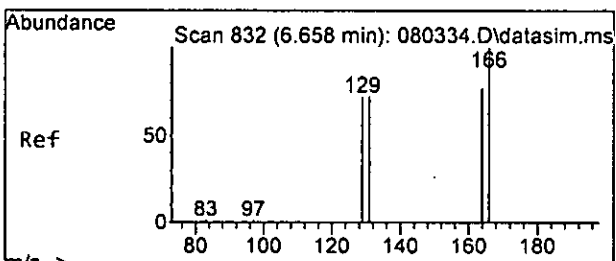
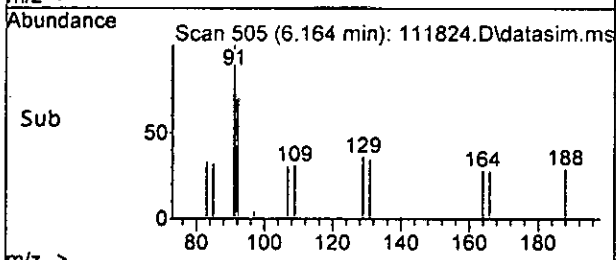
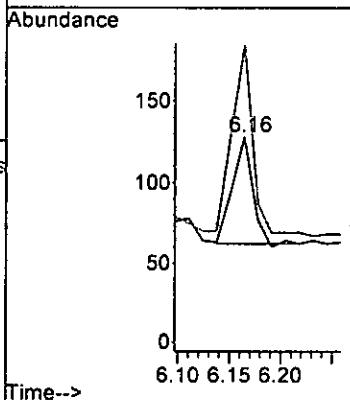
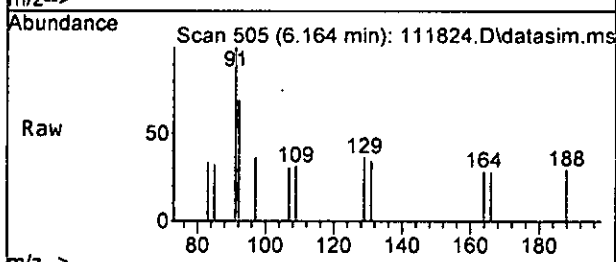
Tgt Ion:	62	98	Resp:	67
Ion Ratio	100	10.9	Lower	Upper
			0.0	40.1





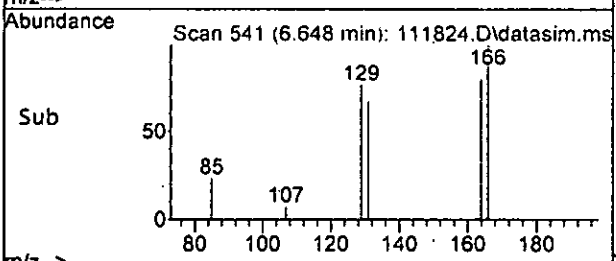
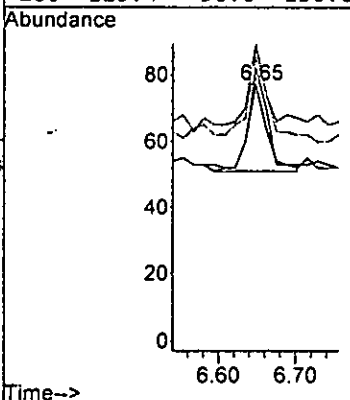
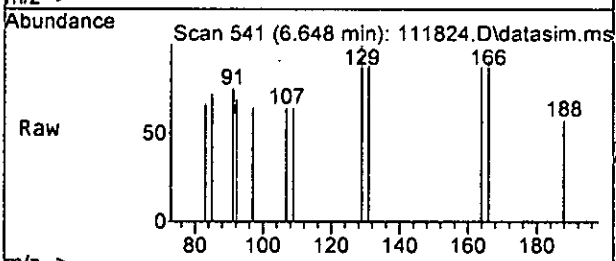
#40
 Toluene
 Concen: Below Cal
 RT: 6.16 min Scan# 505
 Delta R.T. 0.000 min
 Lab File: 111824.D
 Acq: 18 Nov 2022 04:21 pm

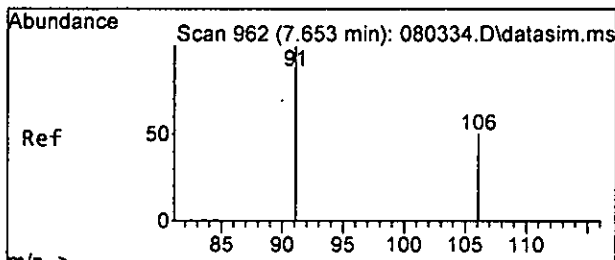
Tgt Ion: 92 Resp: 90
 Ion Ratio Lower Upper
 92 100
 91 175.8 148.5 208.5



#45
 Tetrachloroethene
 Concen: Below Cal
 RT: 6.65 min Scan# 541
 Delta R.T. 0.000 min
 Lab File: 111824.D
 Acq: 18 Nov 2022 04:21 pm

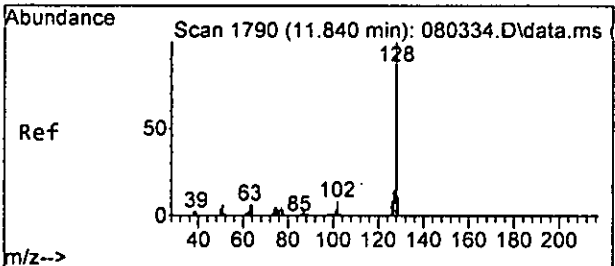
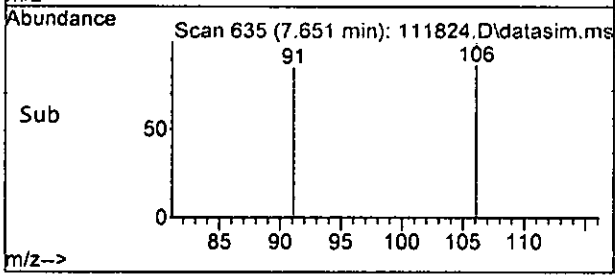
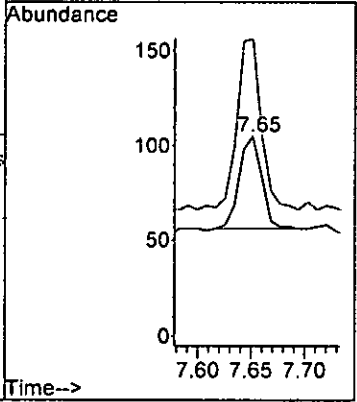
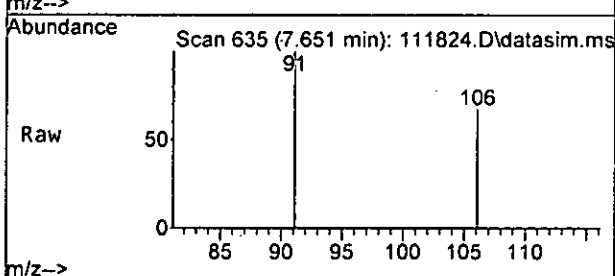
Tgt Ion: 164 Resp: 46
 Ion Ratio Lower Upper
 164 100
 129 92.3 72.1 132.1
 131 88.5 64.8 124.8
 166 115.4 90.0 150.0





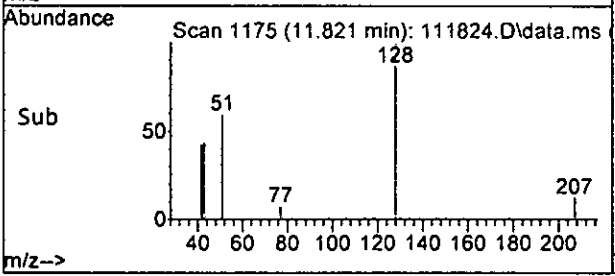
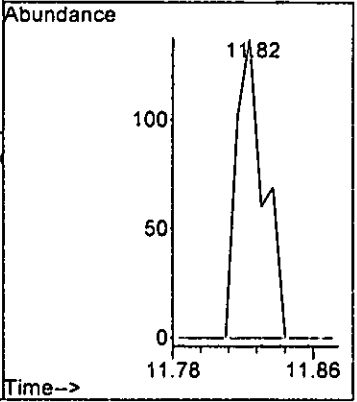
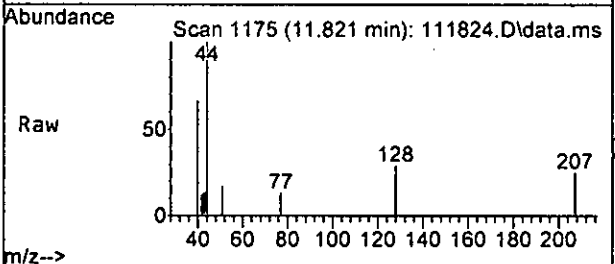
#51
 m,p-Xylene
 Concen: 0.013 ppb
 RT: 7.65 min Scan# 635
 Delta R.T. 0.000 min
 Lab File: 111824.D
 Acq: 18 Nov 2022 04:21 pm

Tgt Ion	Resp	Lower	Upper
106	100		
91	183.7	175.7	235.7



#75
 Naphthalene
 Concen: 0.094 ppb
 RT: 11.82 min Scan# 1175
 Delta R.T. -0.014 min
 Lab File: 111824.D
 Acq: 18 Nov 2022 04:21 pm

Tgt Ion	Resp	Lower	Upper
128	100		
129	0.0	0.0	40.8
127	0.0	0.0	43.1



Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111824.D
 Acq On : 18 Nov 2022 04:21 pm
 Operator : LM
 Sample : 211213-12 1/0.25
 Misc : soil
 ALS Vial : 19 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:45:27 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) Fluorobenzene	4.73	96	98517	10.000	ppb	-0.01	
39) Chlorobenzene-d5	7.41	117	92749	10.000	ppb	0.00	
56) 1,4-Dichlorobenzene-d4	9.62	152	52819	10.000	ppb	0.00	
System Monitoring Compounds							
3) Dibromofluoromethane	4.18	113	32769	10.372	ppb	0.00	
Spiked Amount	10.000	Range 50 - 150	Recovery	=	103.70%		
30) 1,2-Dichloroethane-d4	4.46	102	6370	10.404	ppb	0.00	
Spiked Amount	10.000	Range 84 - 120	Recovery	=	104.00%		
35) Toluene-d8	6.11	98	98746	10.510	ppb	0.00	
Spiked Amount	10.000	Range 73 - 128	Recovery	=	105.10%		
57) 4-Bromofluorobenzene	8.51	95	36670	10.076	ppb	0.00	
Spiked Amount	10.000	Range 57 - 146	Recovery	=	100.80%		
Target Compounds							
2) Ethanol	2.37	45	174	No Calib			Qvalue
4) Dichlorodifluoromethane	0.00		0	N.D.			
5) Chloromethane	1.25	50	696	N.D.			
6) Vinyl chloride	0.00		0	N.D. d			
7) Bromomethane	0.00		0	N.D.			
8) Chloroethane	0.00		0	N.D.			
9) Trichlorofluoromethane	0.00		0	N.D.			
10) 2-Propanol	2.37	45	174	No Calib	#		
11) Acetone	2.33	58	67	Below Cal	#	1	
12) 1,1-Dichloroethene	0.00		0	N.D.			
13) Hexane	3.15	57	493	0.155	ppb	93	
14) Methylene chloride	2.68	84	2573	Below Cal		95	
15) t-Butyl alcohol (TBA)	0.00		0	N.D.			
16) Methyl t-butyl ether (...)	0.00		0	N.D.			
17) trans-1,2-Dichloroethene	0.00		0	N.D.			
18) Diisopropyl ether (DIPE)	3.37	45	35	N.D.			
19) 1,1-Dichloroethane	0.00		0	N.D.			
20) Ethyl t-butyl ether (E...)	0.00		0	N.D.			
21) 2,2-Dichloropropane	3.81	77	116	N.D.			
22) cis-1,2-Dichloroethene	0.00		0	N.D.			
23) Chloroform	0.00		0	N.D.			
24) 2-Butanone (MEK)	3.80	43	635	0.258	ppb	95	
25) t-Amyl methyl ether (T...)	0.00		0	N.D.			
26] 1,2-Dichloroethane (EDC)	4.52	62	67	Below Cal		98	
27) 1,1,1-Trichloroethane	0.00		0	N.D.			
28) 1,1-Dichloropropene	0.00		0	N.D.			
29) Carbon tetrachloride	0.00		0	N.D.			
31) Benzene	4.50	78	52	N.D.			
32) Trichloroethene	0.00		0	N.D. d			
33) 1,2-Dichloropropane	0.00		0	N.D.			
34) Bromodichloromethane	0.00		0	N.D.			
36) Dibromomethane	0.00		0	N.D.			

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111824.D
 Acq On : 18 Nov 2022 04:21 pm
 Operator : LM
 Sample : 211213-12 1/0.25
 Misc : soil
 ALS Vial : 19 Sample Multiplier: 1
 InstName : GCMS13

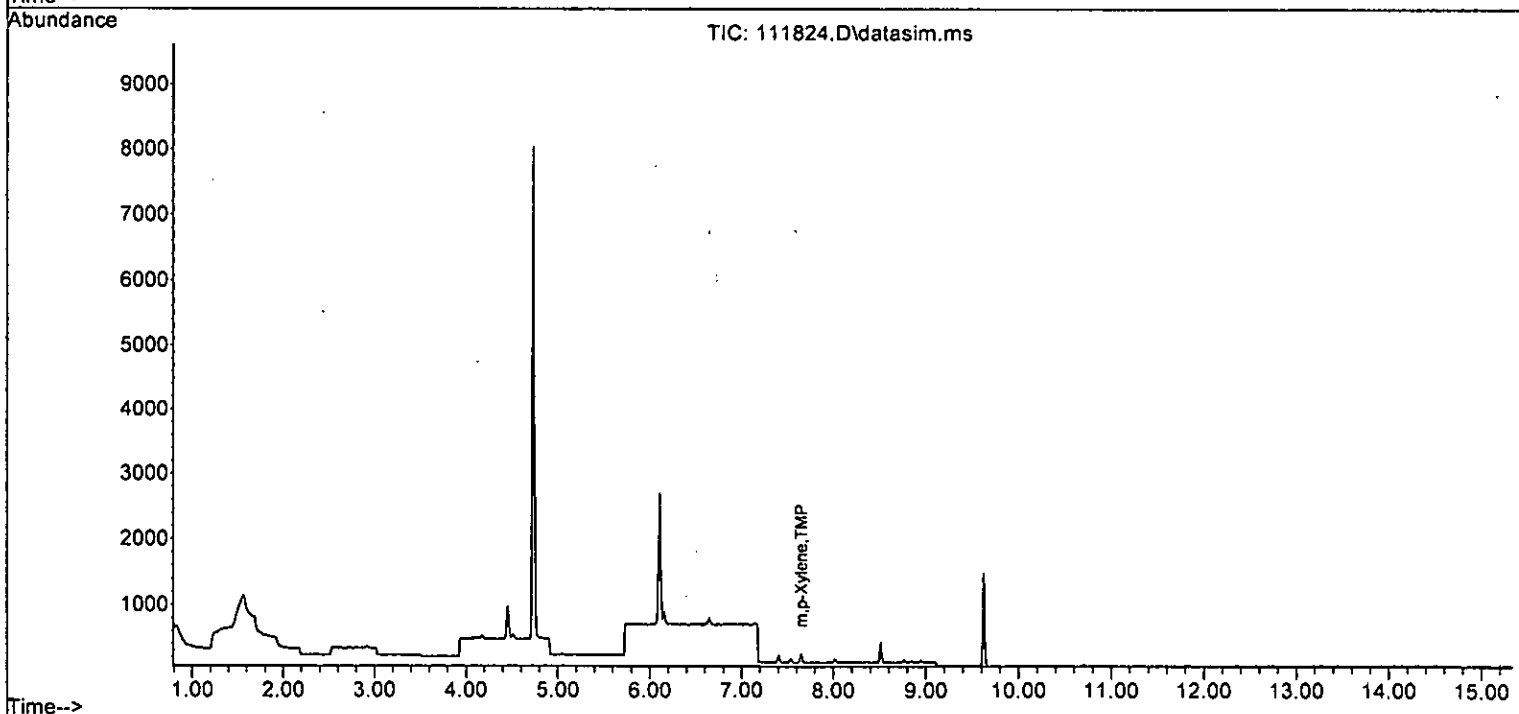
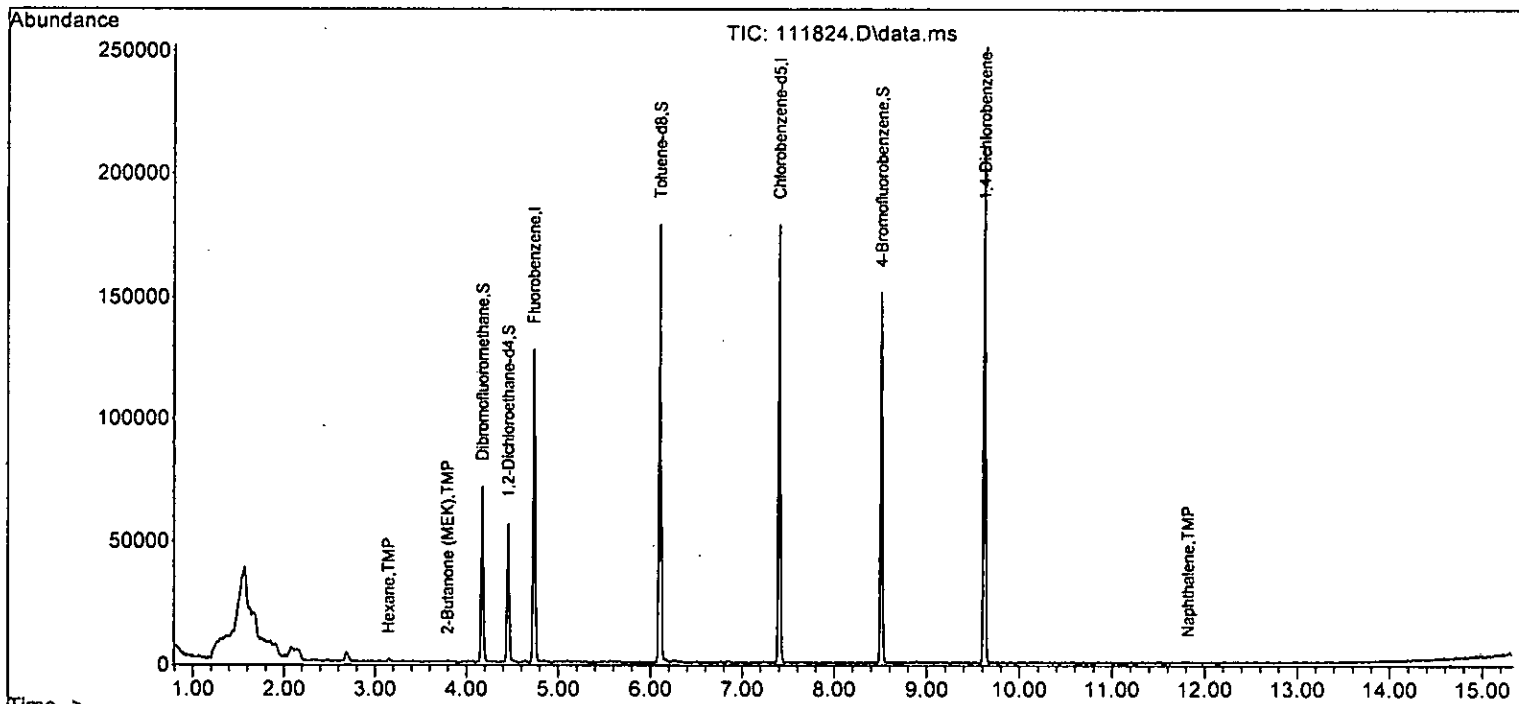
Quant Time: Nov 21 09:45:27 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.00		0	N.D.	
38) cis-1,3-Dichloropropene	0.00		0	N.D.	
40] Toluene	6.16	92	90	Below Cal	98
41) trans-1,3-Dichloropropene	0.00		0	N.D. d	
42) 1,1,2-Trichloroethane	0.00		0	N.D.	
43) 2-Hexanone	6.76	43	123	N.D.	
44) 1,3-Dichloropropane	0.00		0	N.D.	
45] Tetrachloroethene	6.65	164	46	Below Cal	93
46) Dibromochloromethane	0.00		0	N.D.	
47) 1,2-Dibromoethane (EDB)	0.00		0	N.D.	
48) Chlorobenzene	0.00		0	N.D.	
49) Ethylbenzene	7.54	91	68	N.D.	
50) 1,1,1,2-Tetrachloroethane	0.00		0	N.D.	
51] m,p-Xylene	7.65	106	71	0.013 ppb	86
52) o-Xylene	8.02	106	29	N.D.	
53) Styrene	8.03	104	56	N.D.	
54) Isopropylbenzene	8.36	105	101	N.D.	
55) Bromoform	0.00		0	N.D.	
58) n-Propylbenzene	8.84	91	31	N.D.	
59) Bromobenzene	0.00		0	N.D.	
60) 1,3,5-Trimethylbenzene	8.84	105	36	N.D.	
61) 1,1,2,2-Tetrachloroethane	0.00		0	N.D.	
62) 1,2,3-Trichloropropane	8.89	75	40	N.D.	
63) 2-Chlorotoluene	8.84	91	31	N.D.	
64) 4-Chlorotoluene	8.84	91	31	N.D.	
65) tert-Butylbenzene	0.00		0	N.D.	
66) 1,2,4-Trimethylbenzene	9.30	105	44	N.D.	
67) sec-Butylbenzene	9.63	105	23	N.D.	
68) p-Isopropyltoluene	0.00		0	N.D.	
69) 1,3-Dichlorobenzene	9.64	146	30	N.D.	
70) 1,4-Dichlorobenzene	9.64	146	30	N.D.	
71) 1,2-Dichlorobenzene	0.00		0	N.D.	
72) 1,2-Dibromo-3-chloropr...	11.02	75	27	N.D.	
73) 1,2,4-Trichlorobenzene	0.00		0	N.D.	
74) Hexachlorobutadiene	0.00		0	N.D.	
75) Naphthalene	11.82	128	153	0.094 ppb	69
76) 1,2,3-Trichlorobenzene	0.00		0	N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS13\11-18-22\
Data File : 111824.D
Acq On : 18 Nov 2022 04:21 pm
Operator : LM
Sample : 211213-12 1/0.25
Misc : soil
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS13

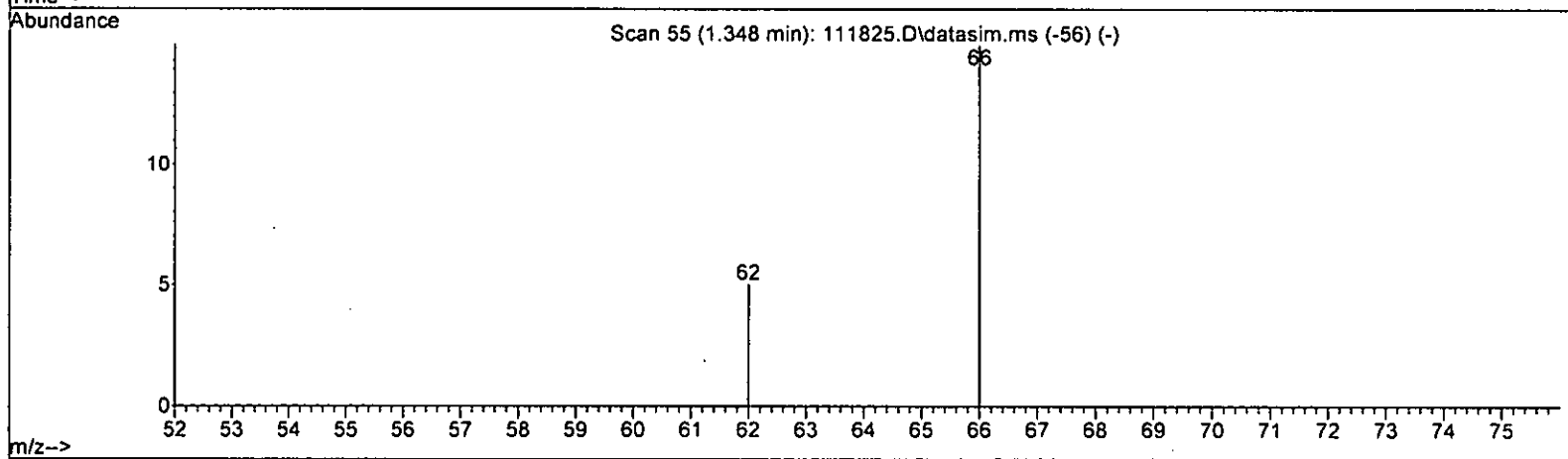
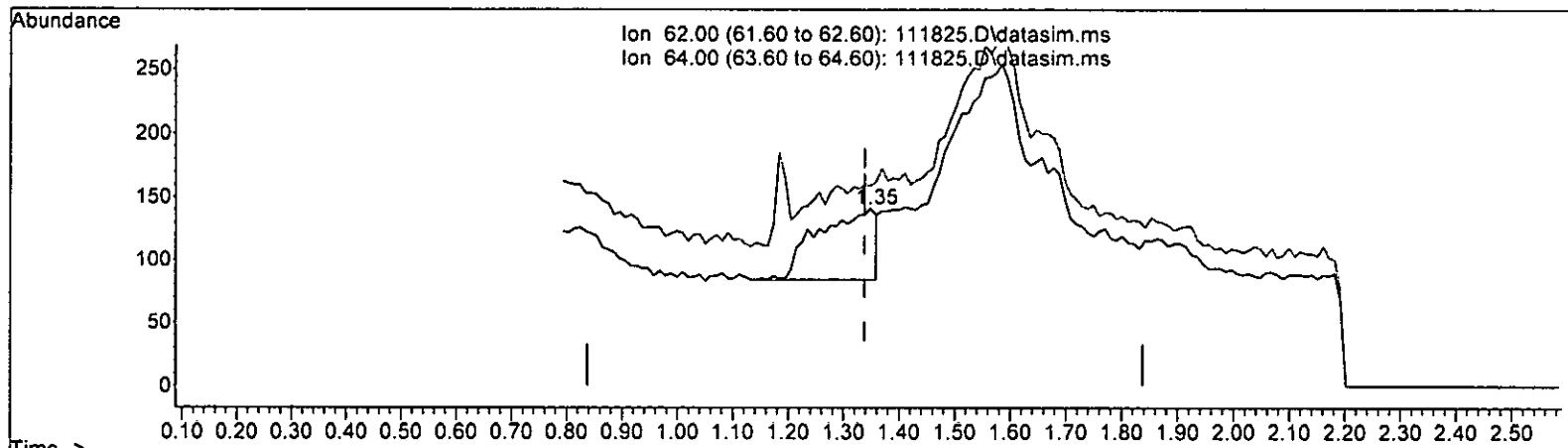
Quant Time: Nov 21 09:45:27 2022
Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
QLast Update : Mon Nov 07 15:16:10 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M



Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111825.D
 Acq On : 18 Nov 2022 04:44 pm
 Operator : LM
 Sample : 211213-08 rr 1/0.25
 Misc : soil
 ALS Vial : 20 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:45:31 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 111825.D\data.ms

(6) Vinyl chloride (TMP)

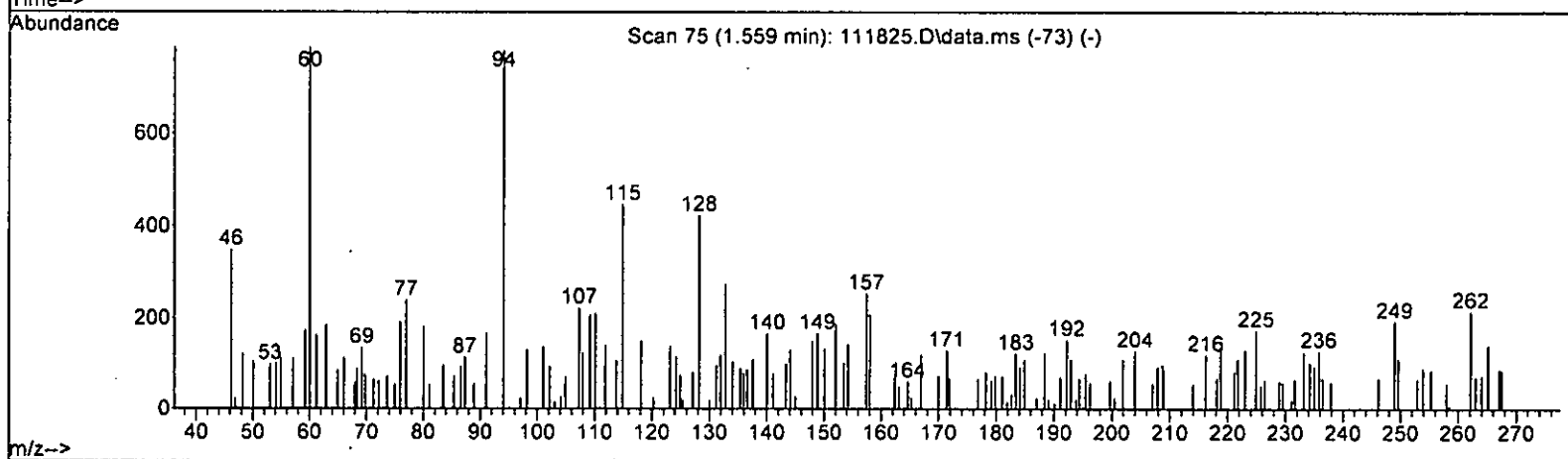
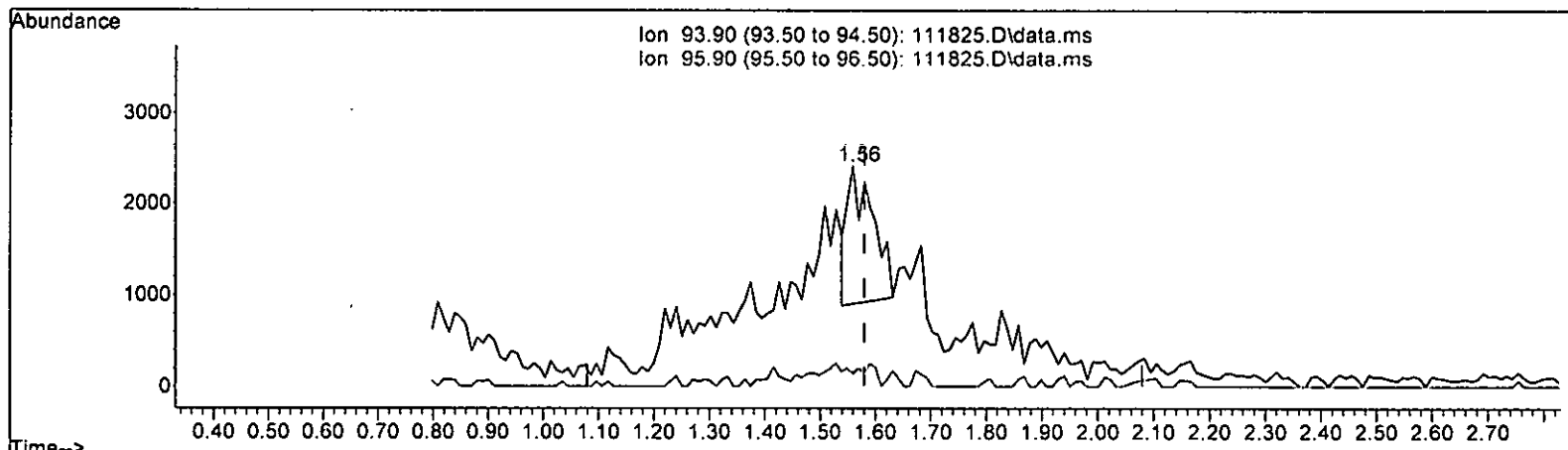
1.348min (+ 0.010) 0.083 ppb

response	410	
Ion	Exp%	Act%
62.00	100.00	100.00
64.00	34.40	78.95#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111825.D
 Acq On : 18 Nov 2022 04:44 pm
 Operator : LM
 Sample : 211213-08 rr 1/0.25
 Misc : soil
 ALS Vial : 20 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:45:31 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 111825.D\data.ms

(7) Bromomethane (TMP)

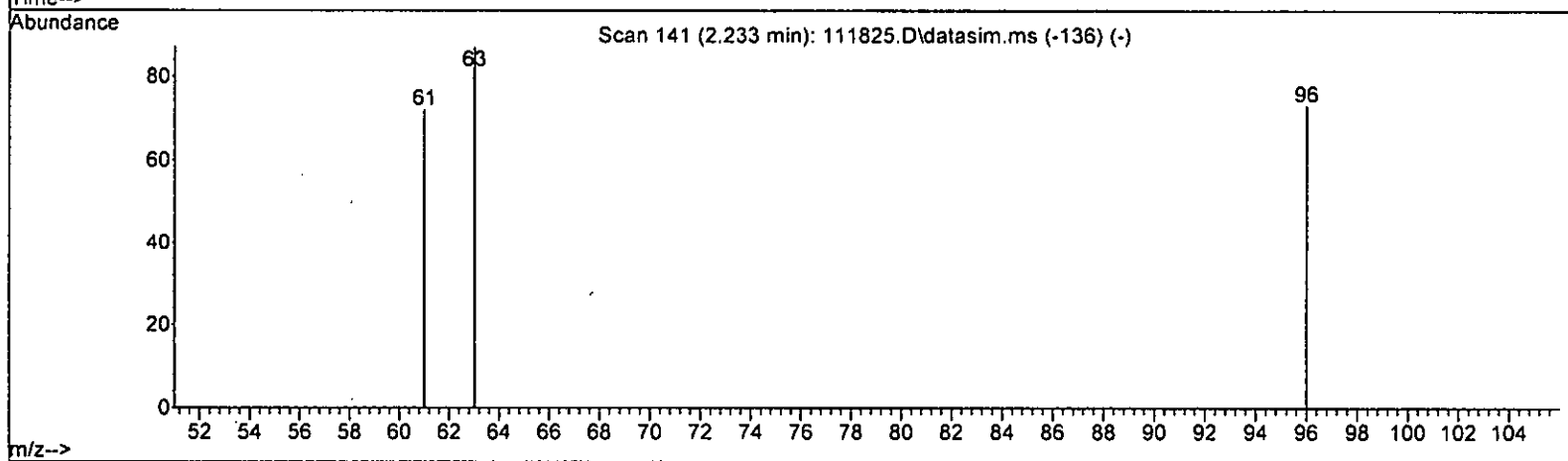
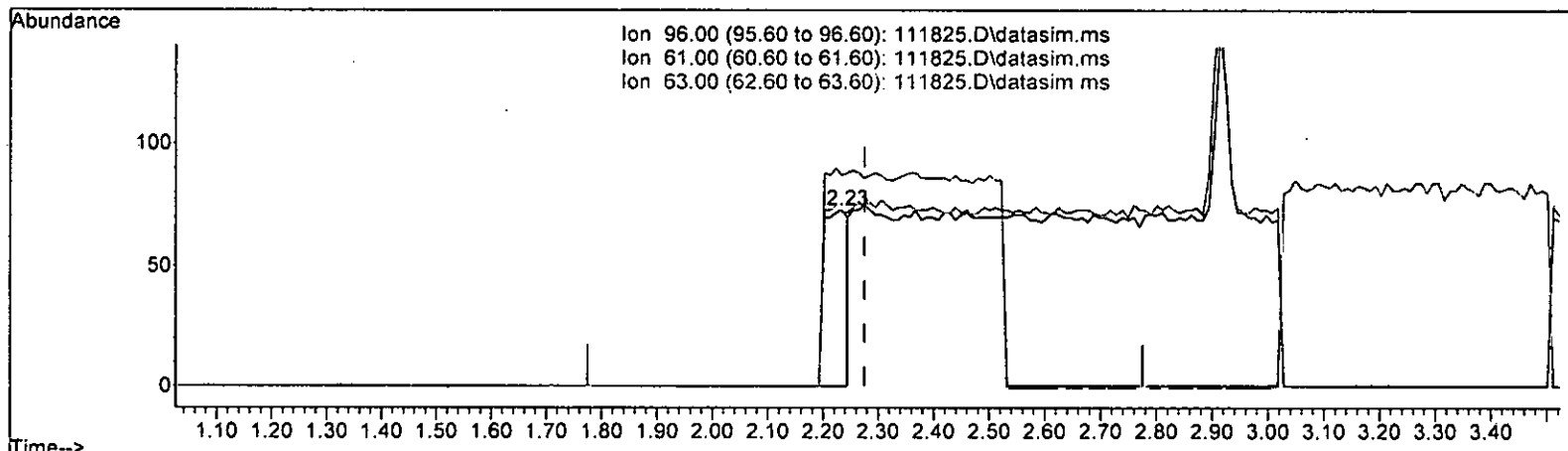
1.559min (-0.021) 1.152 ppb

response	4817	
Ion	Exp%	Act%
93.90	100.00	100.00
95.90	93.50	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111825.D
 Acq On : 18 Nov 2022 04:44 pm
 Operator : LM
 Sample : 211213-08 rr 1/0.25
 Misc : soil
 ALS Vial : 20 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:45:31 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 111825.D\data.ms

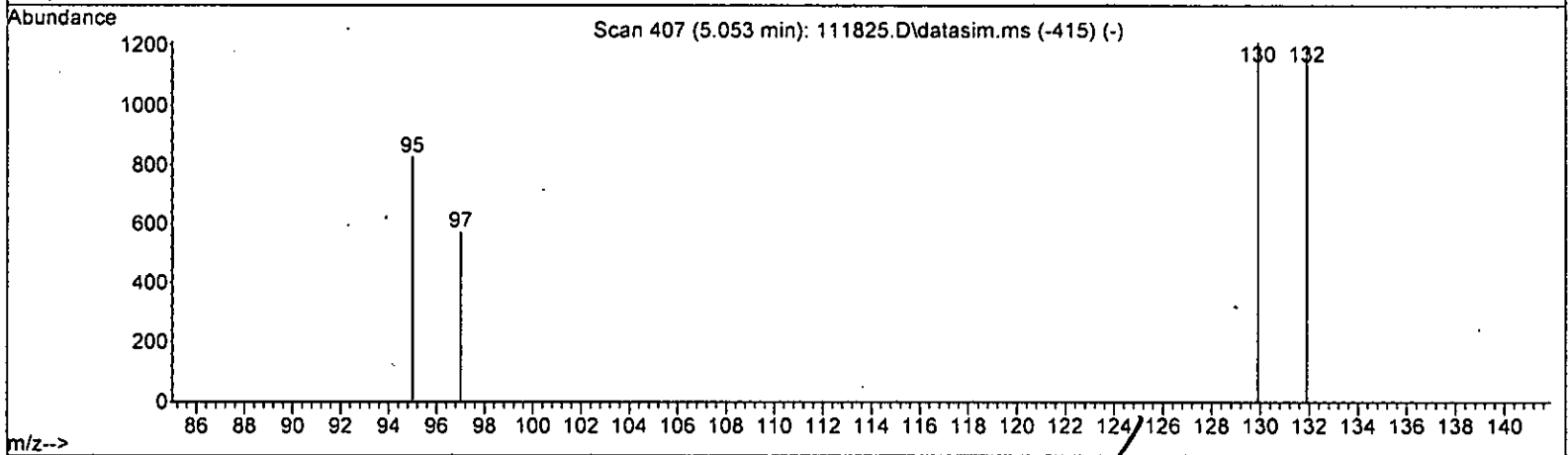
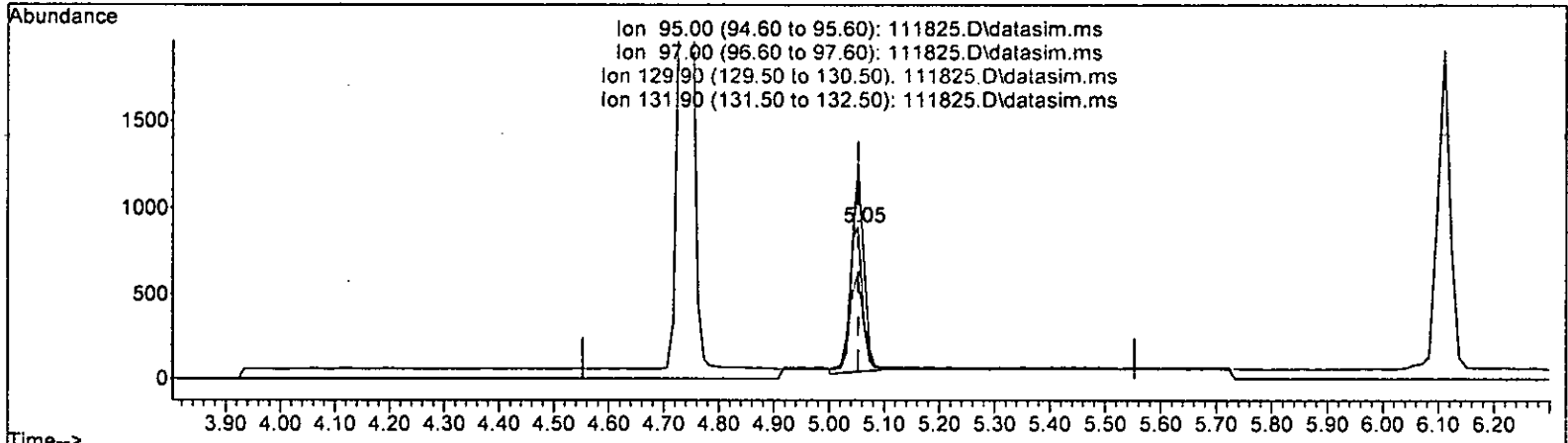
(12) 1,1-Dichloroethene (TMP)
 2.233min (-0.042) 0.079 ppb
 response 219

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	120.90	98.63
63.00	43.90	119.18#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111825.D
 Acq On : 18 Nov 2022 04:44 pm
 Operator : LM
 Sample : 211213-08 rr 1/0.25
 Misc : soil
 ALS Vial : 20 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:45:31 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 111825.D\data.ms

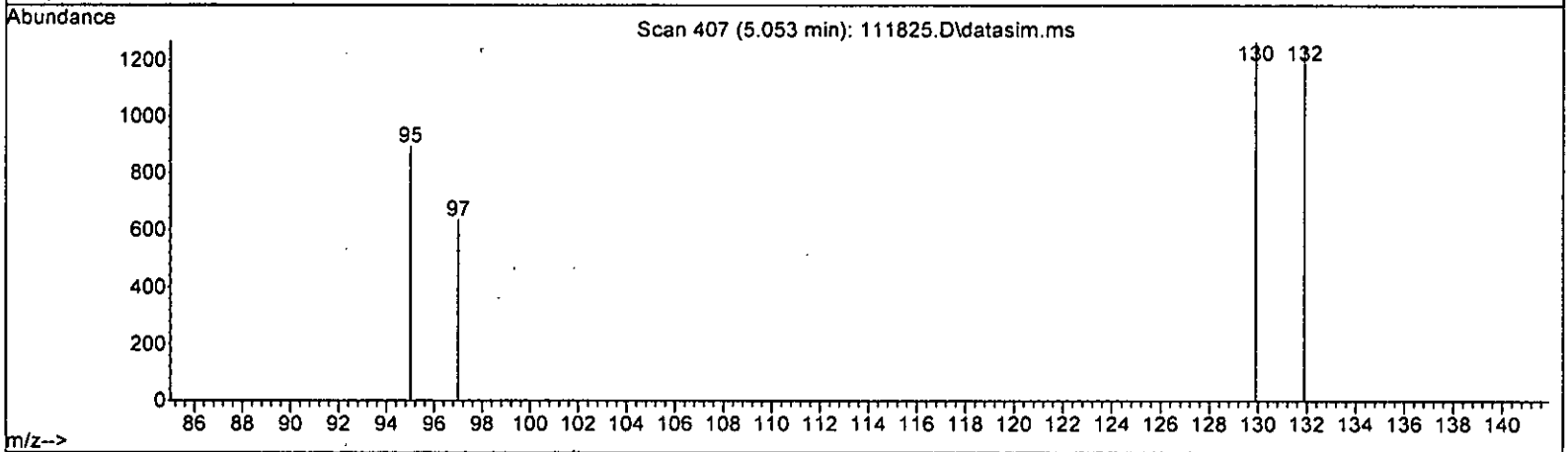
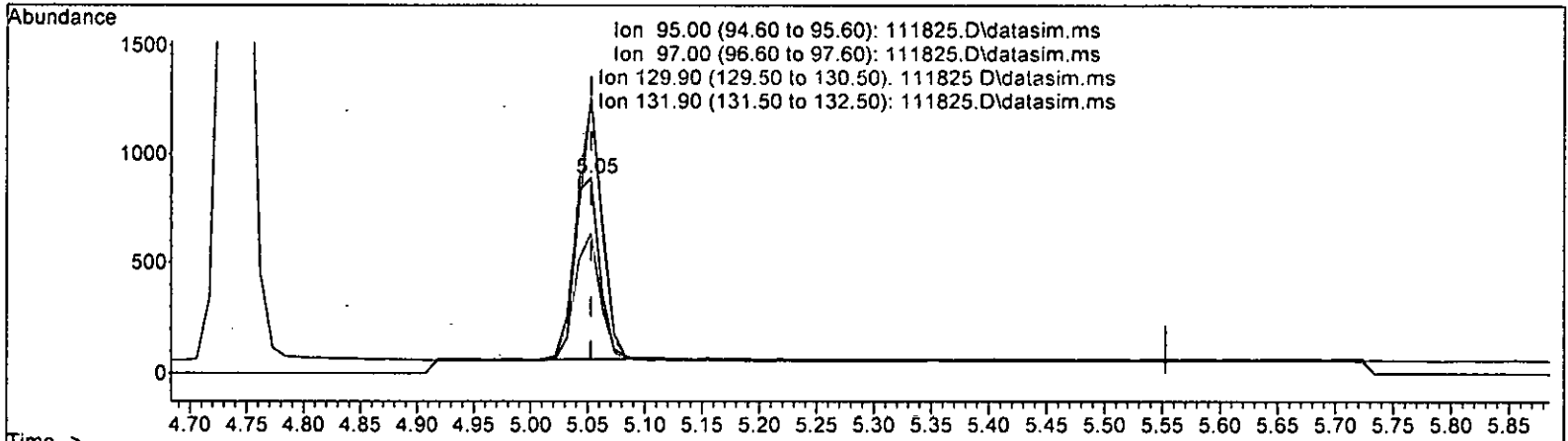
W 11.21.22

(32) Trichloroethene (TMP)			
5.053min (-0.000)	0.418	ppb	
response	1482		
Ion	Exp%	Act%	
95.00	100.00	100.00	
97.00	64.60	69.12	
129.90	103.40	146.20#	
131.90	95.80	144.63#	

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111825.D
 Acq On : 18 Nov 2022 04:44 pm
 Operator : LM
 Sample : 211213-08 rr 1/0.25
 Misc : soil
 ALS Vial : 20 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:45:31 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 111825.D\data.ms

(32) Trichloroethene (TMP)

5.053min (-0.000) 0.376 ppb m

response 1335

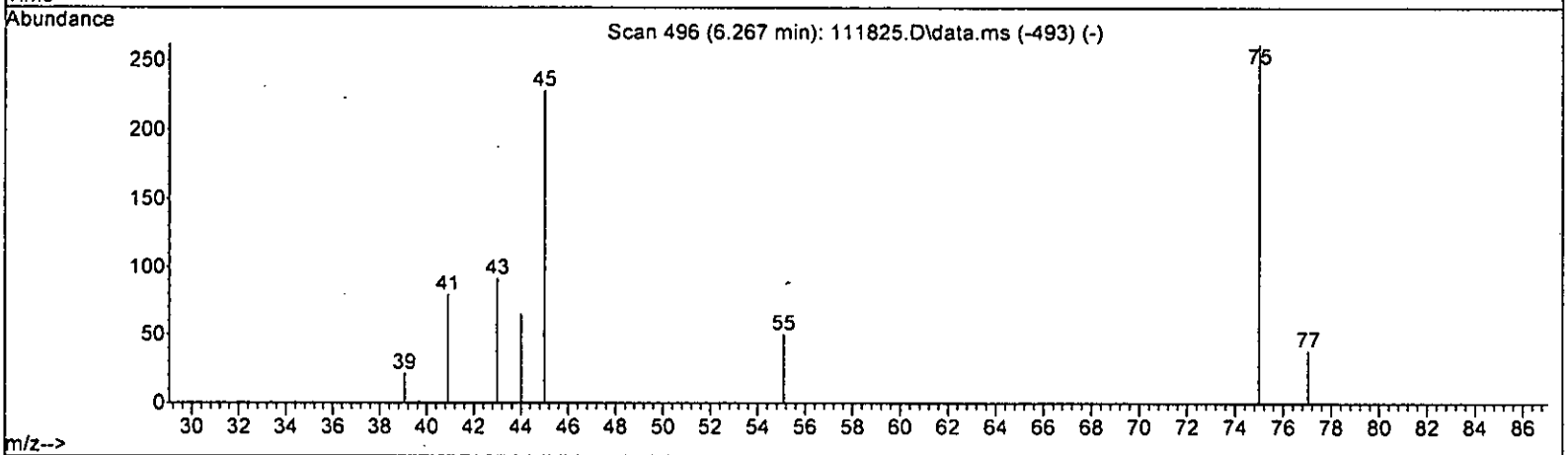
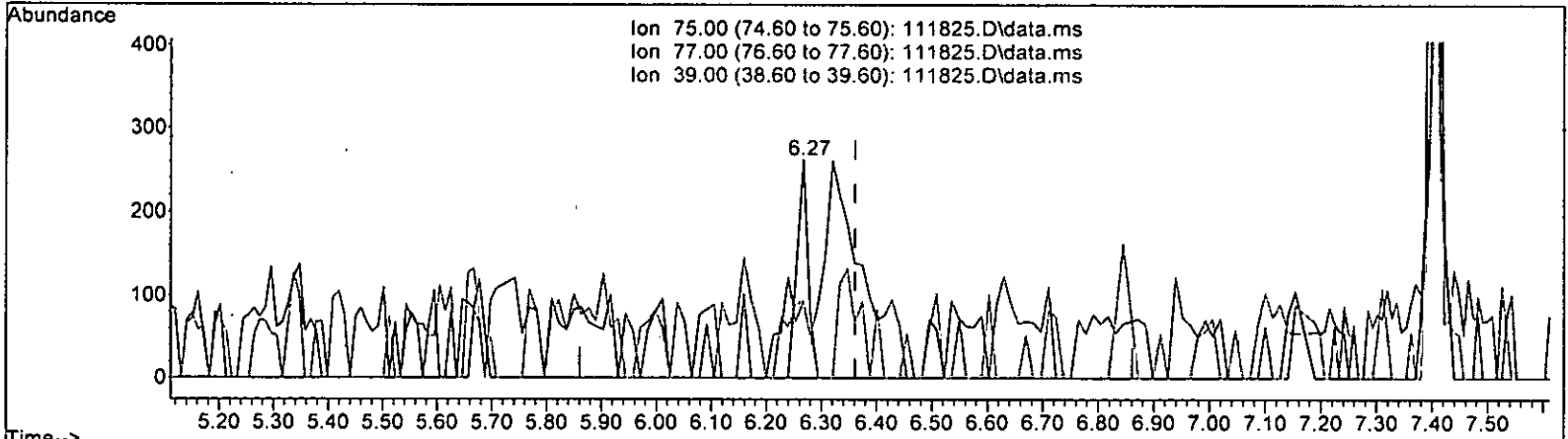
Ion	Exp%	Act%
95.00	100.00	100.00
97.00	64.60	70.93
129.90	103.40	142.31#
131.90	95.80	140.74#

m 11.21.22

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111825.D
 Acq On : 18 Nov 2022 04:44 pm
 Operator : LM
 Sample : 211213-08 rr 1/0.25
 Misc : soil
 ALS Vial : 20 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:45:31 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 111825.D\data.ms

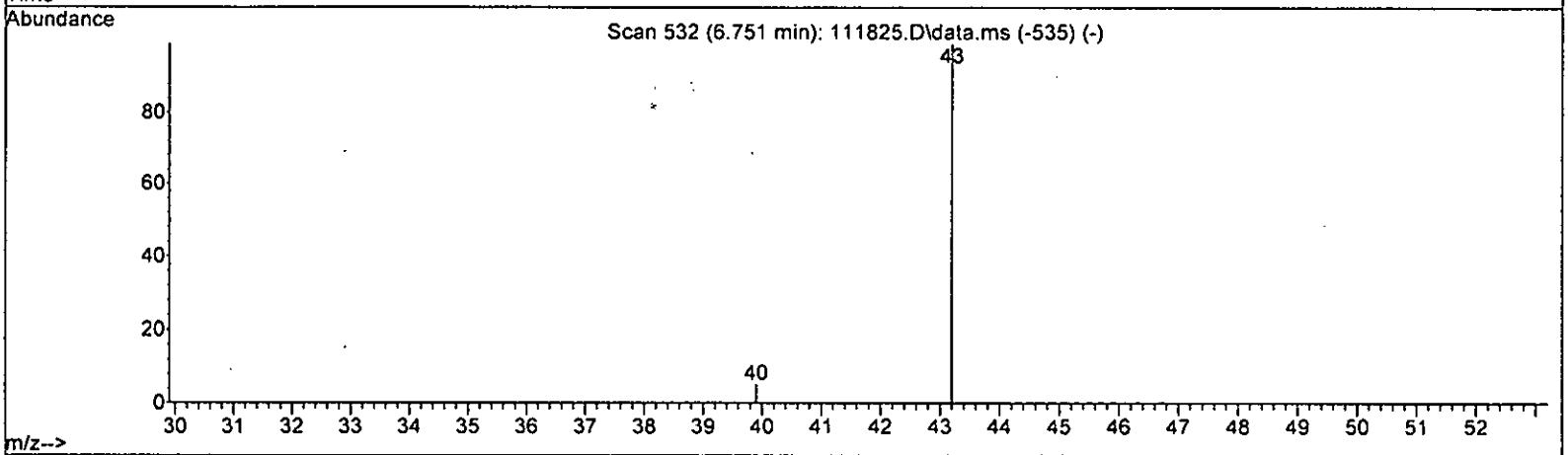
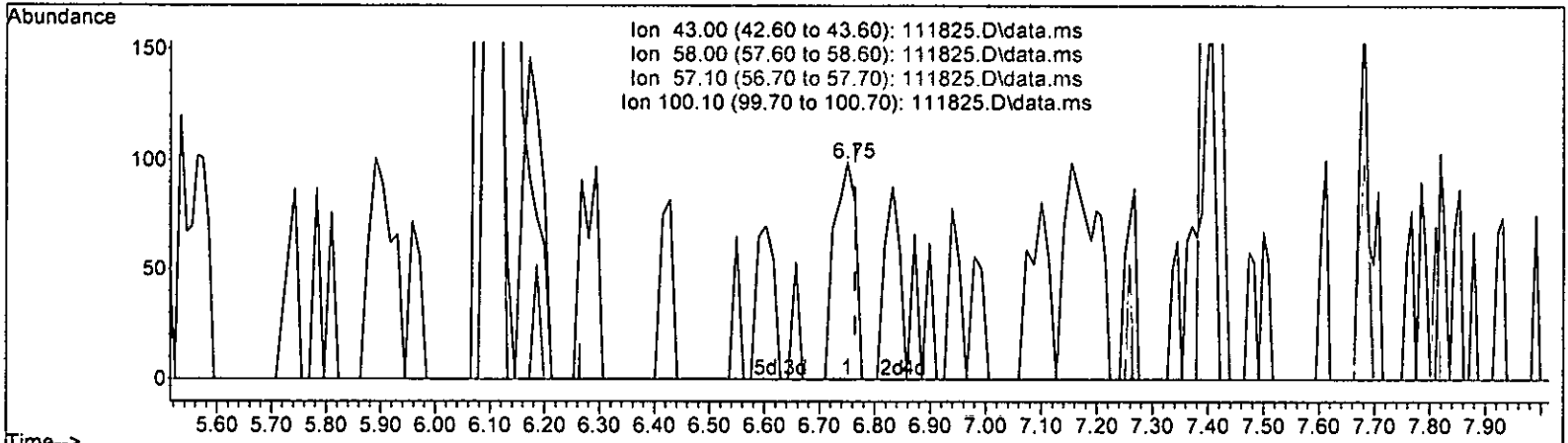
(41) trans-1,3-Dichloropropene (TMP)
 6.267min (-0.094) 0.120 ppb
 response 369

Ion	Exp%	Act%
75.00	100.00	100.00
77.00	32.60	14.50
39.00	46.30	35.88
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111825.D
 Acq On : 18 Nov 2022 04:44 pm
 Operator : LM
 Sample : 211213-08 rr 1/0.25
 Misc : soil
 ALS Vial : 20 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:45:31 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 111825.D\data.ms

(43) 2-Hexanone (TMP)

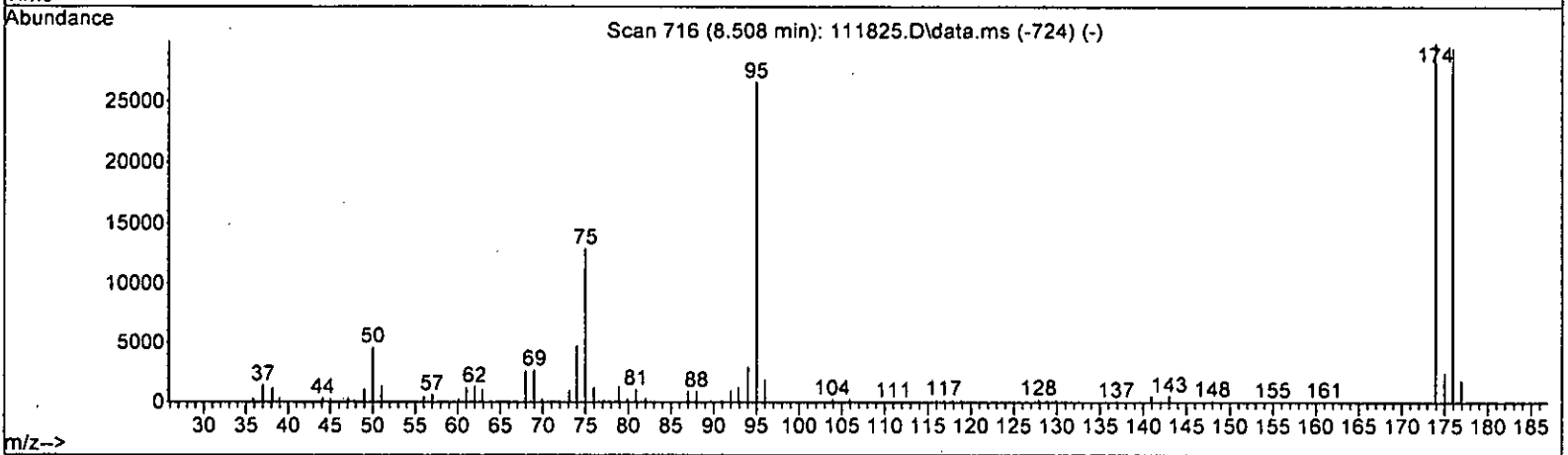
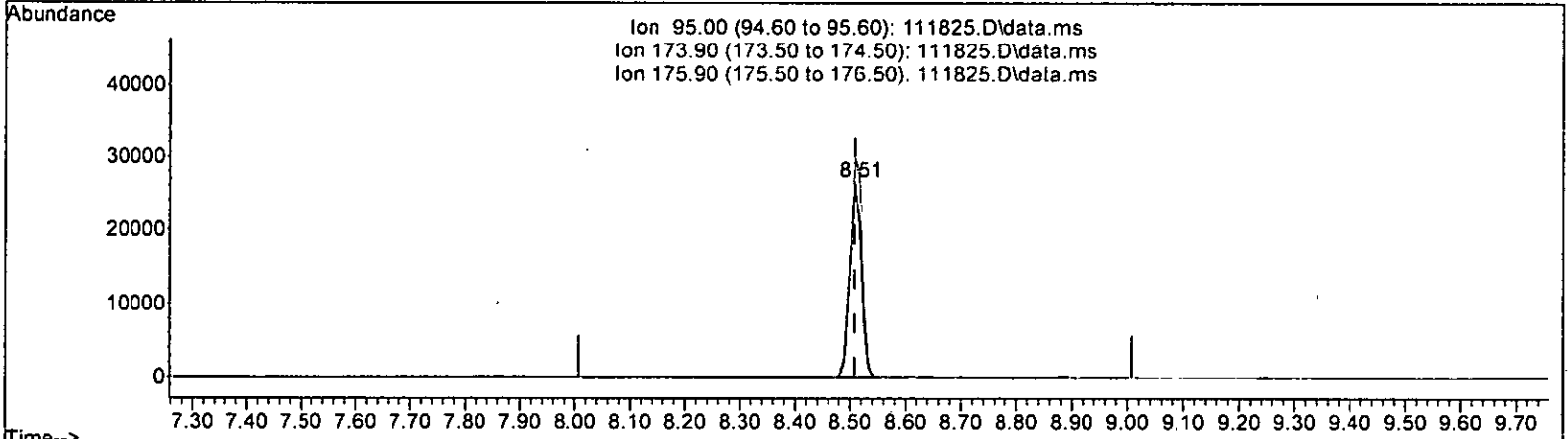
6.751min (-0.013) 0.154 ppb

response	266
Ion	Exp% Act%
43.00	100.00 100.00
58.00	51.50 0.00#
57.10	16.30 0.00
100.10	10.20 0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111825.D
 Acq On : 18 Nov 2022 04:44 pm
 Operator : LM
 Sample : 211213-08 rr 1/0.25
 Misc : soil
 ALS Vial : 20 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:45:31 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 111825.D\data.ms

(57) 4-Bromofluorobenzene (S)
 8.508min (-0.000) 10.107 ppb
 response 37420

Ion	Exp%	Act%
95.00	100.00	100.00
173.90	104.50	112.58
175.90	95.80	110.89
0.00	0.00	0.00

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111825.D
 Acq On : 18 Nov 2022 04:44 pm
 Operator : LM
 Sample : 211213-08 rr 1/0.25
 Misc : soil
 ALS Vial : 20 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:45:31 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

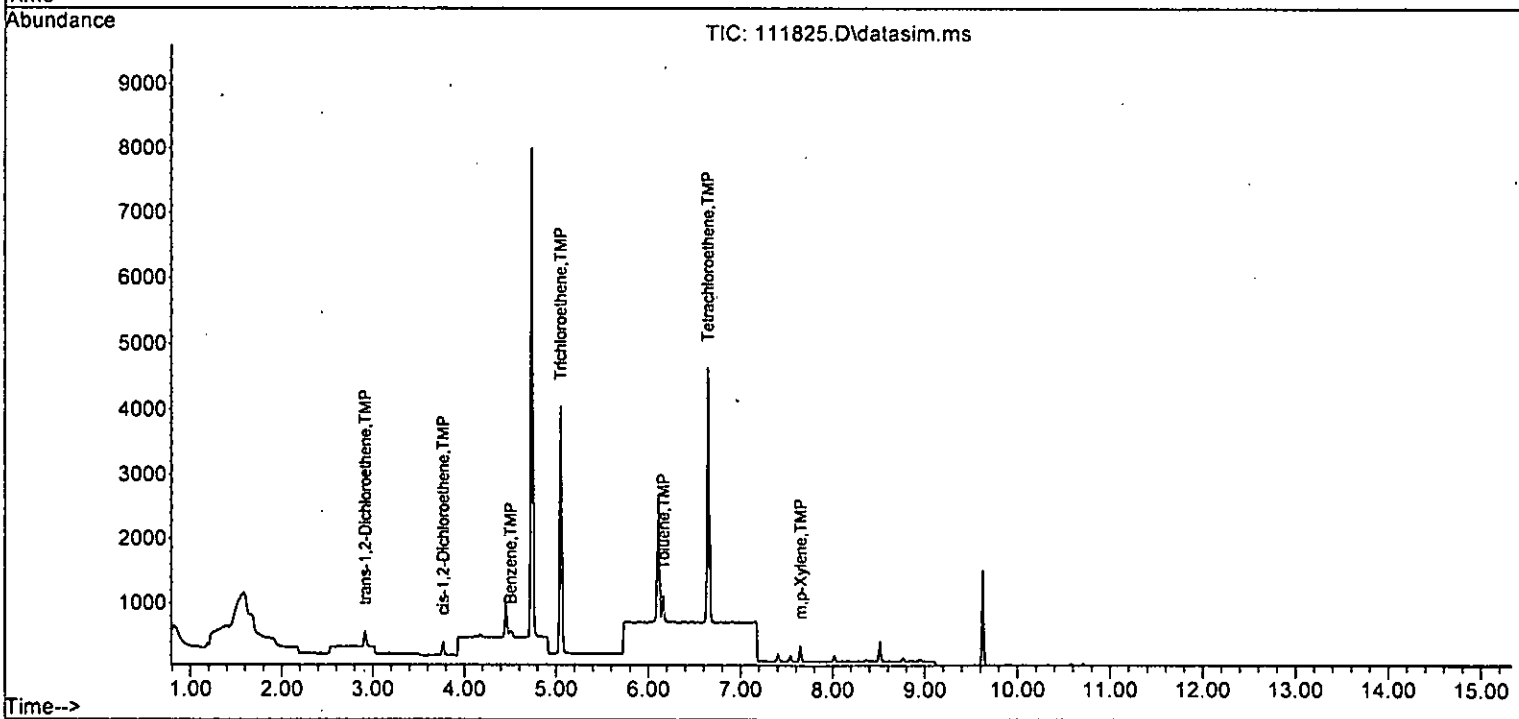
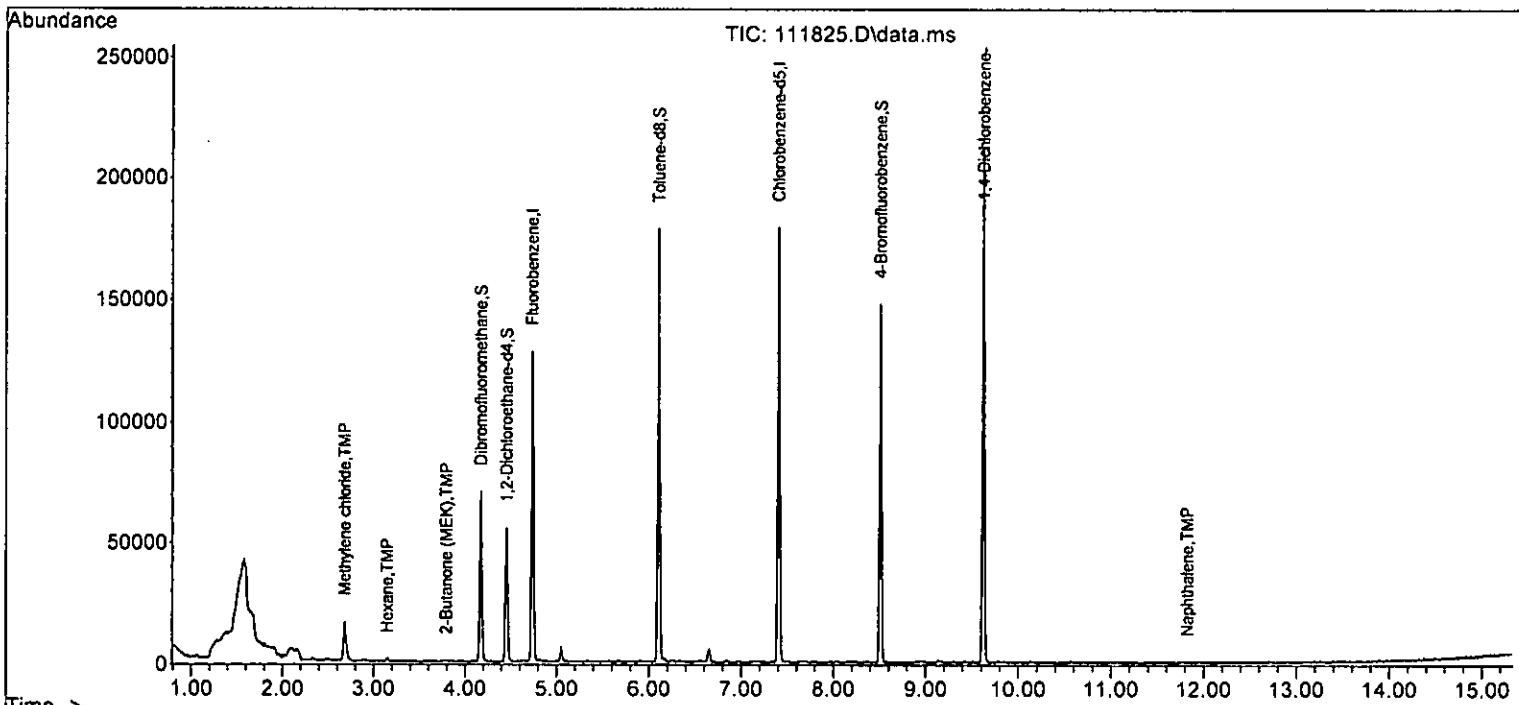
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

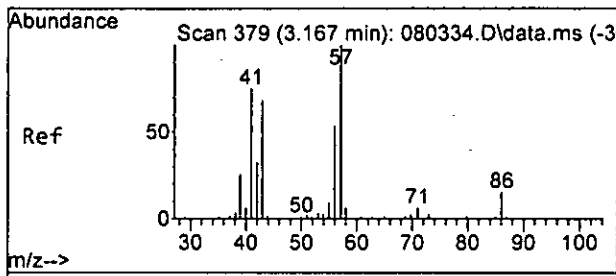
Internal Standards							
1) Fluorobenzene	4.73	96	96781	10.000	ppb	-0.01	
39) Chlorobenzene-d5	7.40	117	91399	10.000	ppb	0.00	
56) 1,4-Dichlorobenzene-d4	9.62	152	53734	10.000	ppb	0.00	
System Monitoring Compounds							
3) Dibromofluoromethane	4.17	113	32664	10.524	ppb	0.00	
Spiked Amount	10.000		Range 50 - 150	Recovery =	105.20%		
30) 1,2-Dichloroethane-d4	4.45	102	6398	10.637	ppb	0.00	
Spiked Amount	10.000		Range 84 - 120	Recovery =	106.40%		
35) Toluene-d8	6.11	98	96474	10.452	ppb	0.00	
Spiked Amount	10.000		Range 73 - 128	Recovery =	104.50%		
57) 4-Bromofluorobenzene	8.51	95	37414m	10.105	ppb	0.00	
Spiked Amount	10.000		Range 57 - 146	Recovery =	101.00%		
Target Compounds							
							Qvalue
11) Acetone	2.29	58	37	Below Cal			91
13) Hexane	3.15	57	377	0.120	ppb		86
14) Methylene chloride	2.68	84	7609	1.731	ppb		99
17] trans-1,2-Dichloroethene	2.91	96	127	0.041	ppb		94
22] cis-1,2-Dichloroethene	3.77	96	124	0.038	ppb		82
24) 2-Butanone (MEK)	3.79	43	604	0.242	ppb		88
26] 1,2-Dichloroethane (EDC)	4.52	62	87	Below Cal			84
31] Benzene	4.50	78	123	0.011	ppb		100
32] Trichloroethene	5.05	95	1335m	0.376	ppb		
40] Toluene	6.16	92	214	0.012	ppb		92
42] 1,1,2-Trichloroethane	6.54	83	25	Below Cal	#		53
45] Tetrachloroethene	6.65	164	1402	0.370	ppb		94
51] m,p-Xylene	7.65	106	128	0.023	ppb	#	79
75) Naphthalene	11.82	128	233	0.102	ppb		69

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111825.D
 Acq On : 18 Nov 2022 04:44 pm
 Operator : LM
 Sample : 211213-08 rr 1/0.25
 Misc : soil
 ALS Vial : 20 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:45:31 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

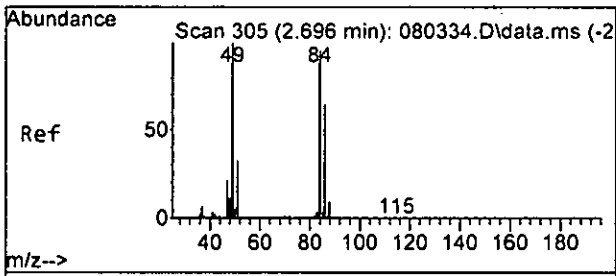
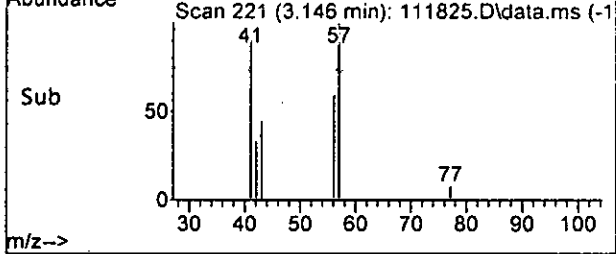
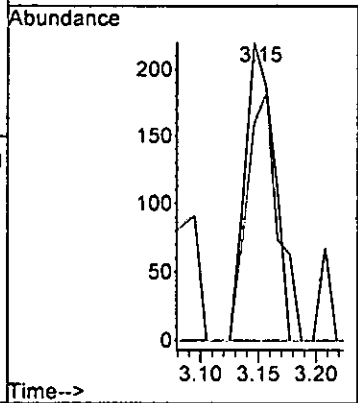
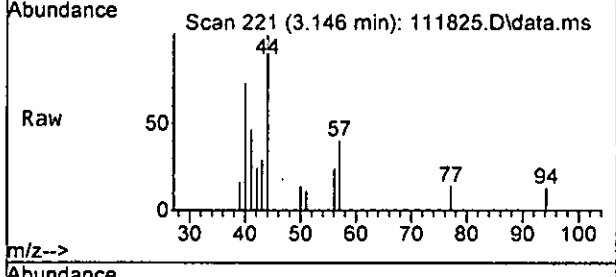




#13
 Hexane
 Concen: 0.120 ppb
 RT: 3.15 min Scan# 221
 Delta R.T. -0.011 min
 Lab File: 111825.D
 Acq: 18 Nov 2022 04:44 pm

Tgt Ion: 57 Resp: 377

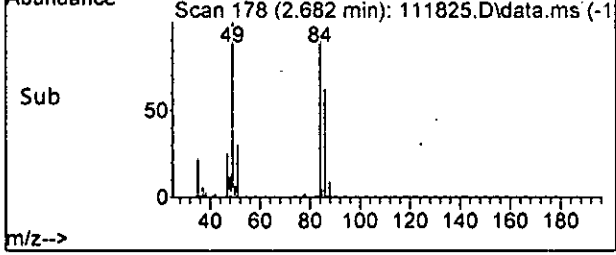
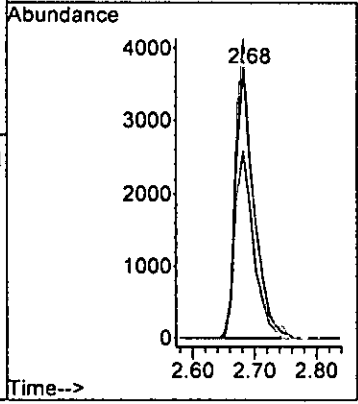
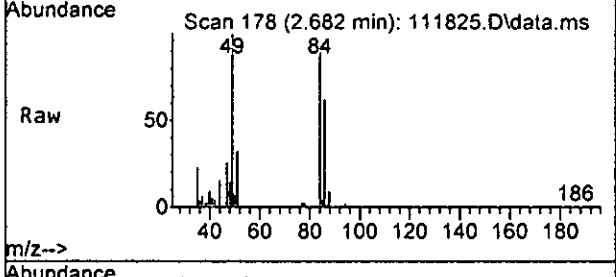
Ion	Ratio	Lower	Upper
57	100		
43	72.3	35.4	95.4
86	0.0	0.0	44.8

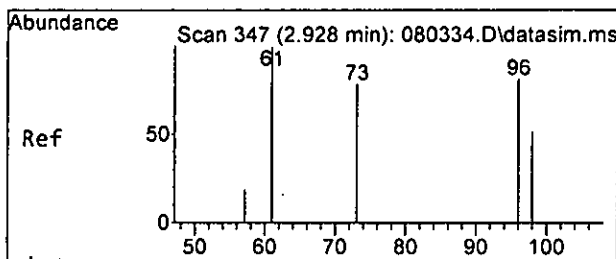


#14
 Methylene chloride
 Concen: 1.731 ppb
 RT: 2.68 min Scan# 178
 Delta R.T. -0.000 min
 Lab File: 111825.D
 Acq: 18 Nov 2022 04:44 pm

Tgt Ion: 84 Resp: 7609

Ion	Ratio	Lower	Upper
84	100		
86	69.2	37.1	97.1
49	110.9	81.3	141.3

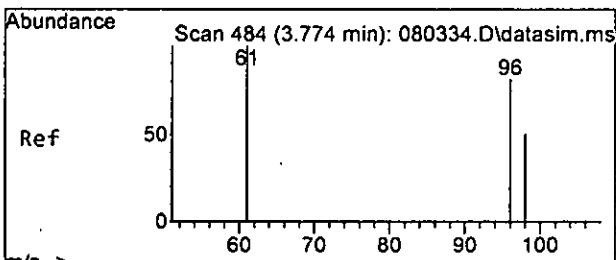
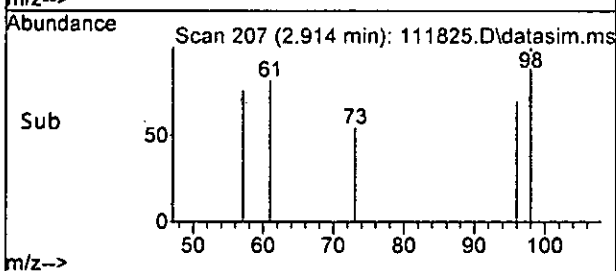
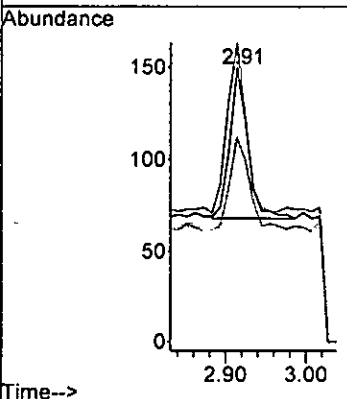
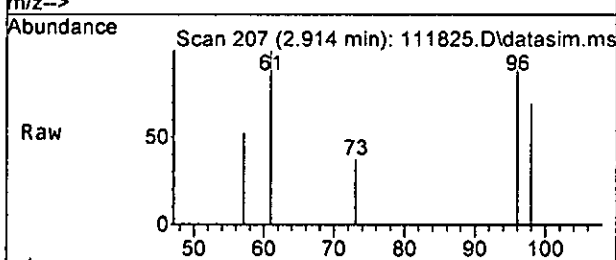




#17
 trans-1,2-Dichloroethene
 Concen: 0.041 ppb
 RT: 2.91 min Scan# 207
 Delta R.T. -0.011 min
 Lab File: 111825.D
 Acq: 18 Nov 2022 04:44 pm

Tgt Ion: 96 Resp: 127

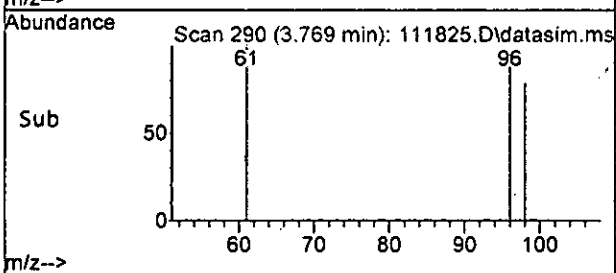
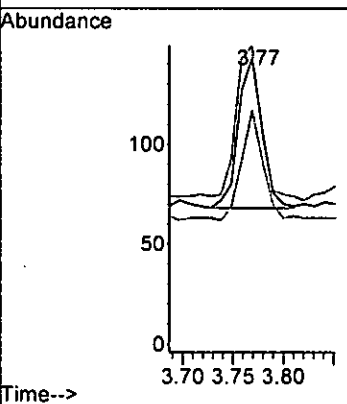
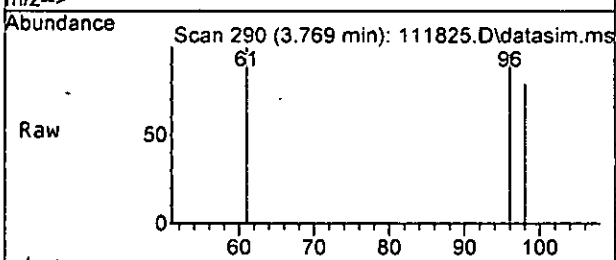
Ion	Ratio	Lower	Upper
96	100		
61	113.6	78.7	138.7
98	61.7	37.3	97.3

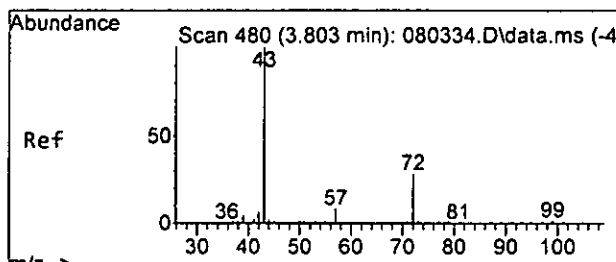


#22
 cis-1,2-Dichloroethene
 Concen: 0.038 ppb
 RT: 3.77 min Scan# 290
 Delta R.T. -0.000 min
 Lab File: 111825.D
 Acq: 18 Nov 2022 04:44 pm

Tgt Ion: 96 Resp: 124

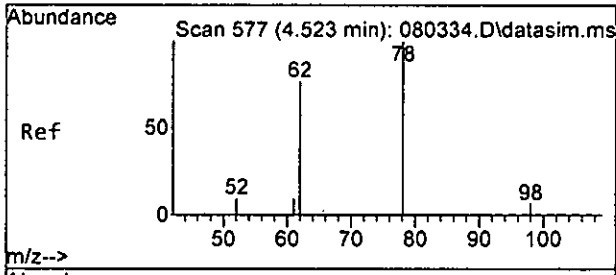
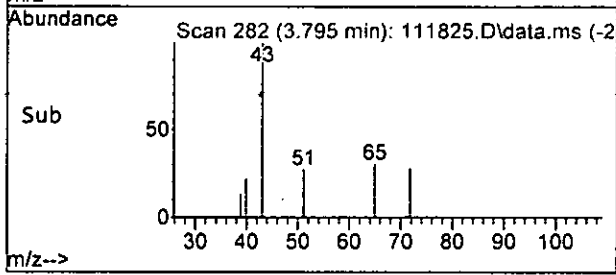
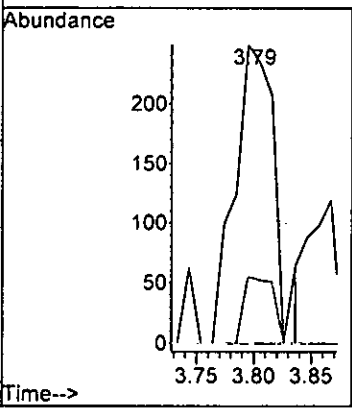
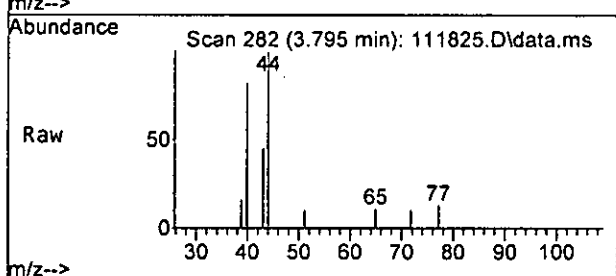
Ion	Ratio	Lower	Upper
96	100		
61	100.0	92.3	152.3
98	72.0	32.0	92.0





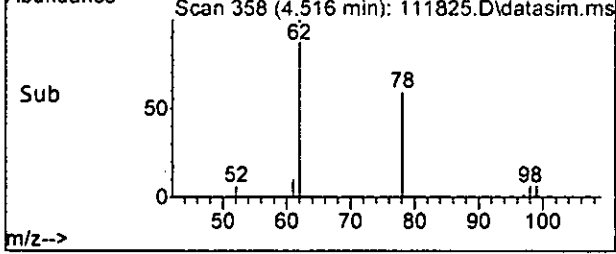
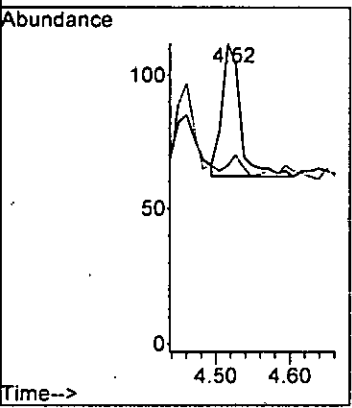
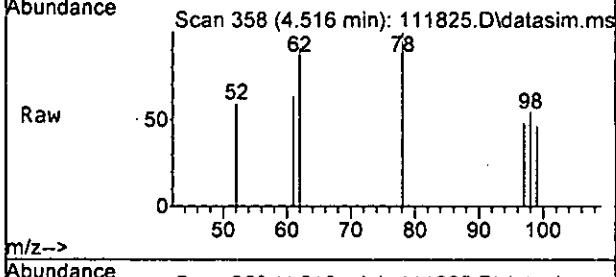
#24
 2-Butanone (MEK)
 Concen: 0.242 ppb
 RT: 3.79 min Scan# 282
 Delta R.T. -0.000 min
 Lab File: 111825.D
 Acq: 18 Nov 2022 04:44 pm

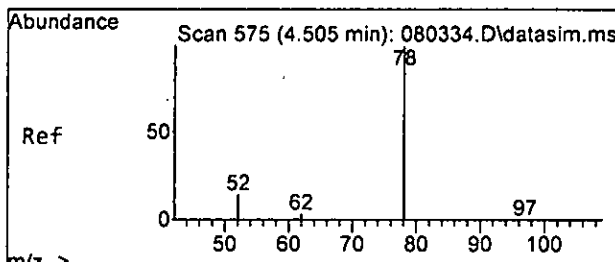
Tgt Ion:	43	72	57	Resp:	604
Ion Ratio	100	22.1	0.0	Lower	Upper
		0.0	0.0	57.0	
		28.0			



#26
 1,2-Dichloroethane (EDC)
 Concen: Below Cal
 RT: 4.52 min Scan# 358
 Delta R.T. -0.011 min
 Lab File: 111825.D
 Acq: 18 Nov 2022 04:44 pm

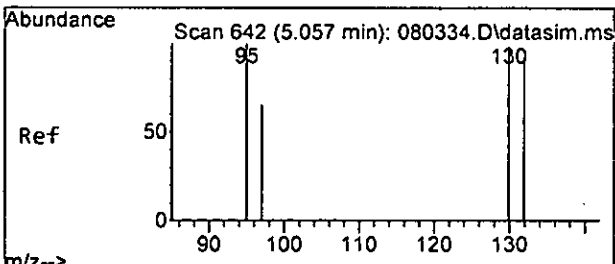
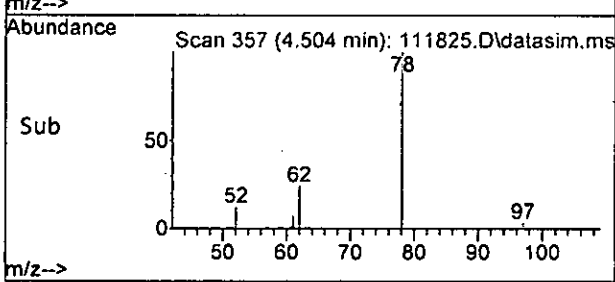
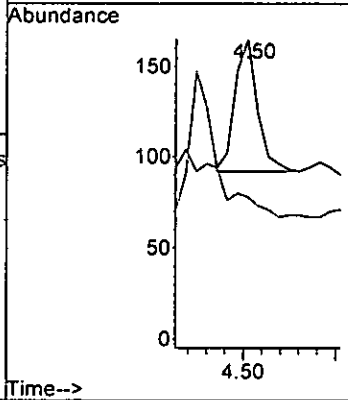
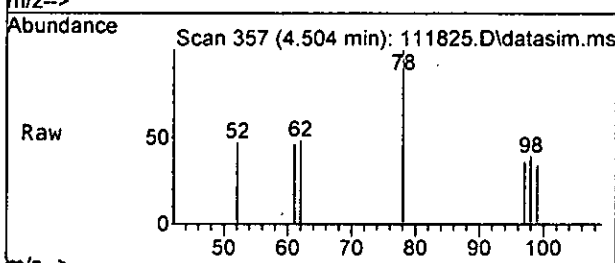
Tgt Ion:	62	98	Resp:	87
Ion Ratio	100	4.0	Lower	Upper
		0.0	40.1	





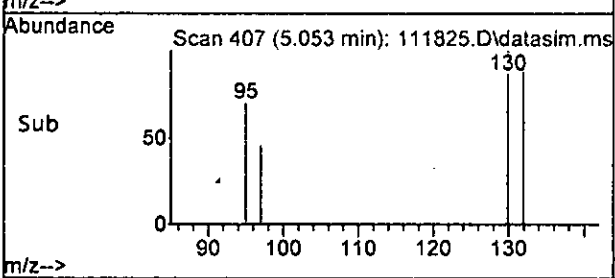
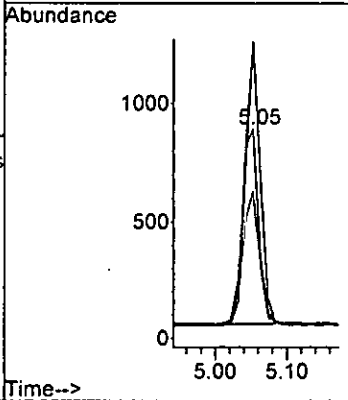
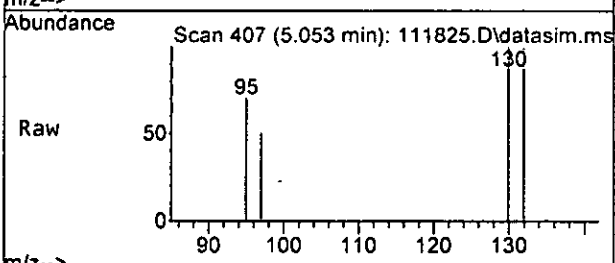
#31
Benzene
Concen: 0.011 ppb
RT: 4.50 min Scan# 357
Delta R.T. -0.001 min
Lab File: 111825.D
Acq: 18 Nov 2022 04:44 pm

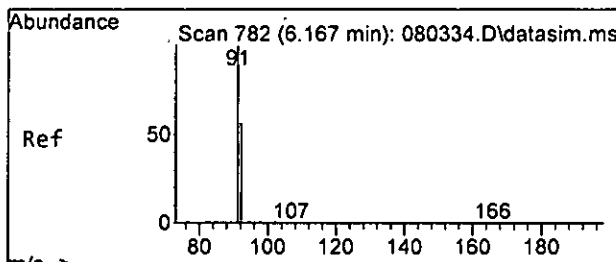
Tgt Ion: 78 Resp: 123
Ion Ratio Lower Upper
78 100
52 13.7 0.0 43.5



#32
Trichloroethene
Concen: 0.376 ppb m
RT: 5.05 min Scan# 407
Delta R.T. -0.000 min
Lab File: 111825.D
Acq: 18 Nov 2022 04:44 pm

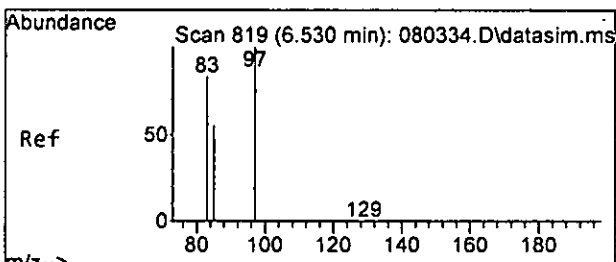
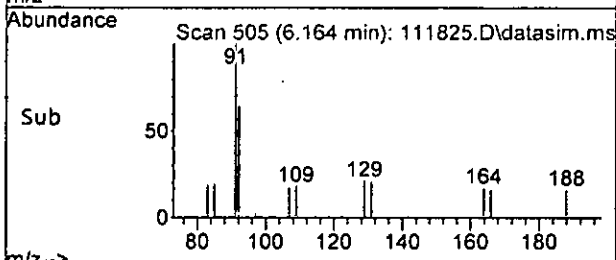
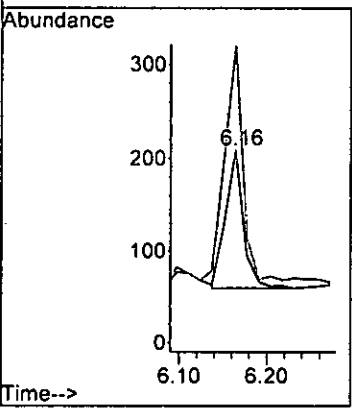
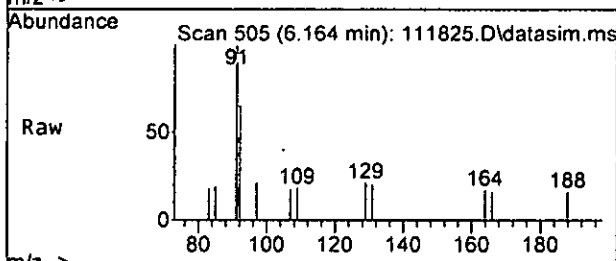
Tgt Ion: 95 Resp: 1335
Ion Ratio Lower Upper
95 100
97 70.9 34.6 94.6
130 142.3 73.4 133.4#
132 140.7 65.8 125.8#





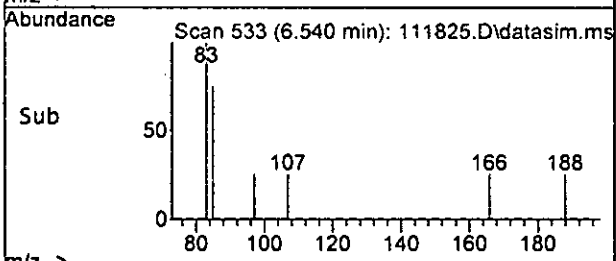
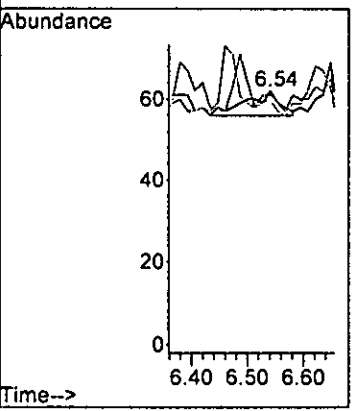
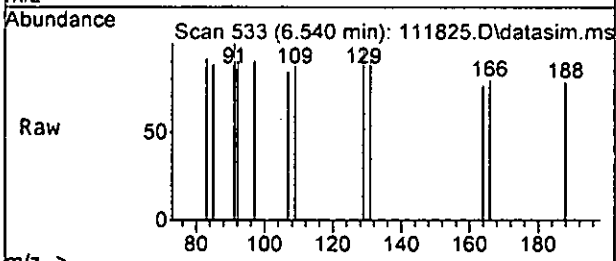
#40
 Toluene
 Concen: 0.012 ppb
 RT: 6.16 min Scan# 505
 Delta R.T. -0.000 min
 Lab File: 111825.D
 Acq: 18 Nov 2022 04:44 pm

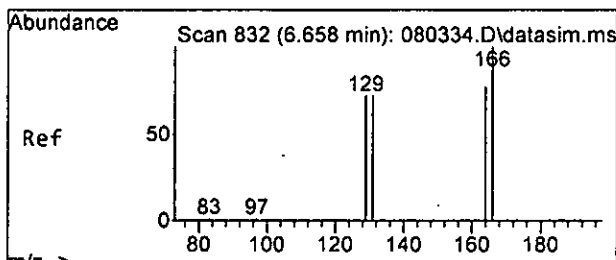
Tgt Ion: 92 Resp: 214
 Ion Ratio Lower Upper
 92 100
 91 167.3 148.5 208.5



#42
 1,1,2-Trichloroethane
 Concen: Below Cal
 RT: 6.54 min Scan# 533
 Delta R.T. 0.013 min
 Lab File: 111825.D
 Acq: 18 Nov 2022 04:44 pm

Tgt Ion: 83 Resp: 25
 Ion Ratio Lower Upper
 83 100
 97 50.0 88.0 148.0#
 85 50.0 35.3 95.3

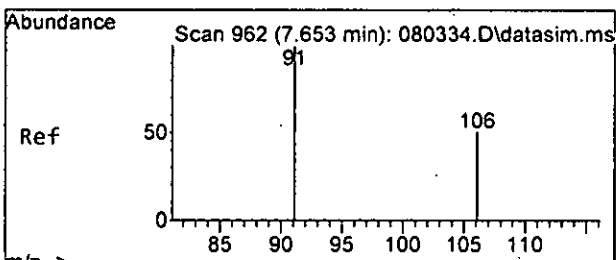
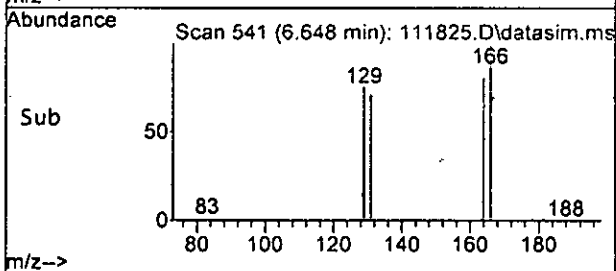
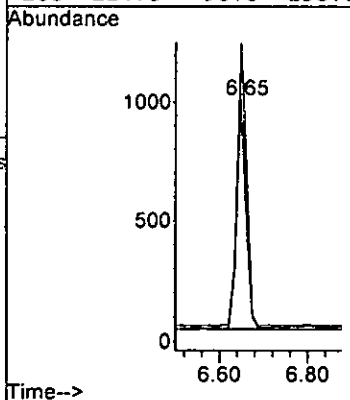
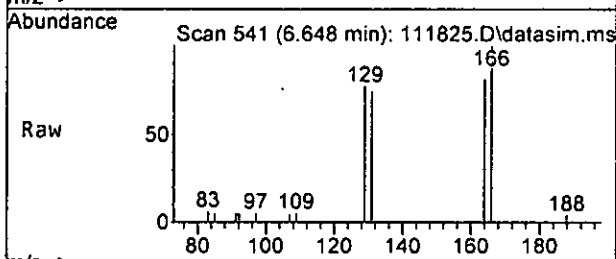




#45
 Tetrachloroethene
 Concen: 0.370 ppb
 RT: 6.65 min Scan# 541
 Delta R.T. -0.000 min
 Lab File: 111825.D
 Acq: 18 Nov 2022 04:44 pm

Tgt Ion: 164 Resp: 1402

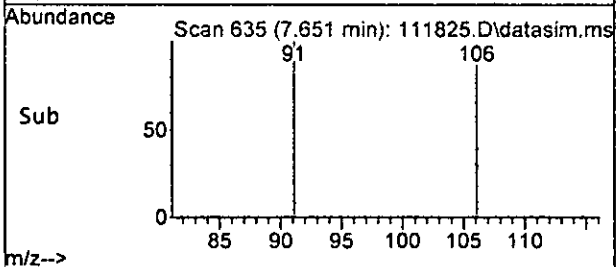
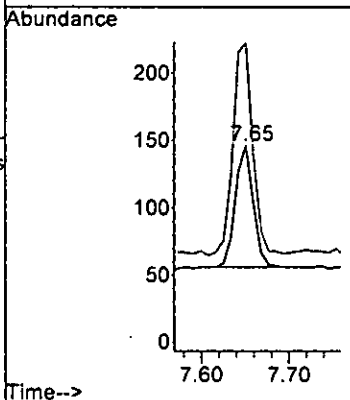
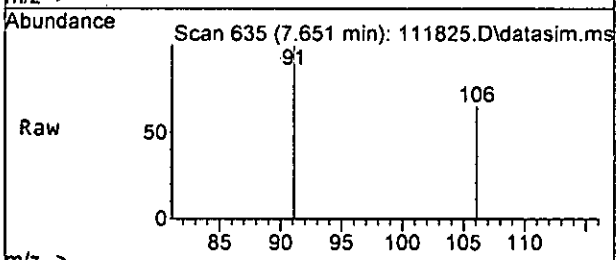
Ion	Ratio	Lower	Upper
164	100		
129	93.5	72.1	132.1
131	89.4	64.8	124.8
166	124.6	90.0	150.0

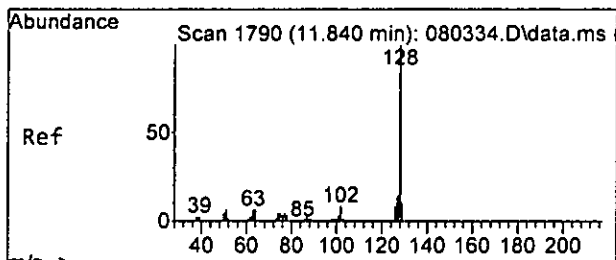


#51
 m,p-Xylene
 Concen: 0.023 ppb
 RT: 7.65 min Scan# 635
 Delta R.T. 0.000 min
 Lab File: 111825.D
 Acq: 18 Nov 2022 04:44 pm

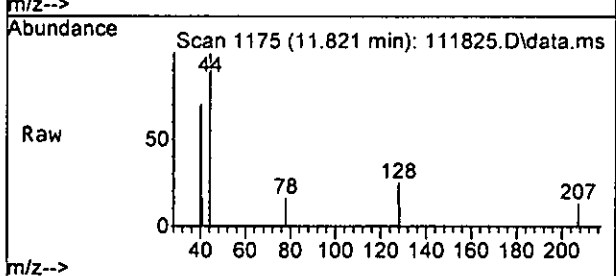
Tgt Ion: 106 Resp: 128

Ion	Ratio	Lower	Upper
106	100		
91	173.3	175.7	235.7#



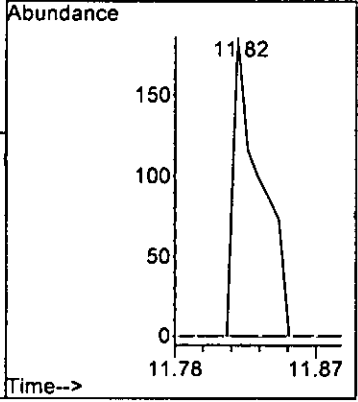
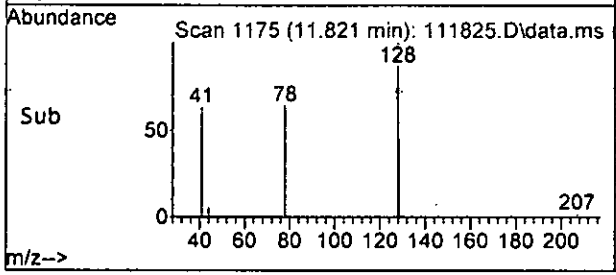


#75
 Naphthalene
 Concen: 0.102 ppb
 RT: 11.82 min Scan# 1175
 Delta R.T. -0.014 min
 Lab File: 111825.D
 Acq: 18 Nov 2022 04:44 pm



Tgt Ion: 128 Resp: 233

Ion	Ratio	Lower	Upper
128	100		
129	0.0	0.0	40.8
127	0.0	0.0	43.1



Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111825.D
 Acq On : 18 Nov 2022 04:44 pm
 Operator : LM
 Sample : 211213-08 rr 1/0.25
 Misc : soil
 ALS Vial : 20 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:45:31 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 Qlast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	4.73	96	96781	10.000	ppb	-0.01
39) Chlorobenzene-d5	7.40	117	91399	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	53734	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.17	113	32664	10.524	ppb	0.00
Spiked Amount	10.000	Range 50 - 150	Recovery	=	105.20%	
30) 1,2-Dichloroethane-d4	4.45	102	6398	10.637	ppb	0.00
Spiked Amount	10.000	Range 84 - 120	Recovery	=	106.40%	
35) Toluene-d8	6.11	98	96474	10.452	ppb	0.00
Spiked Amount	10.000	Range 73 - 128	Recovery	=	104.50%	
57) 4-Bromofluorobenzene	8.51	95	37414m	10.105	ppb	0.00
Spiked Amount	10.000	Range 57 - 146	Recovery	=	101.00%	
Target Compounds						
2) Ethanol	2.32	45	142	No Calib		Qvalue
4) Dichlorodifluoromethane	0.00		0	N.D.		
5) Chloromethane	1.26	50	108	N.D.		
6) Vinyl chloride	0.00		0	N.D. d		
7) Bromomethane	0.00		0	N.D. d		
8) Chloroethane	0.00		0	N.D.		
9) Trichlorofluoromethane	0.00		0	N.D.		
10) 2-Propanol	2.32	45	142	No Calib #		
11) Acetone	2.29	58	37	Below Cal		91
12) 1,1-Dichloroethene	0.00		0	N.D. d		
13) Hexane	3.15	57	377	0.120	ppb	86
14) Methylene chloride	2.68	84	7609	1.731	ppb	99
15) t-Butyl alcohol (TBA)	0.00		0	N.D.		
16) Methyl t-butyl ether (...)	0.00		0	N.D.		
17] trans-1,2-Dichloroethene	2.91	96	127	0.041	ppb	94
18) Diisopropyl ether (DIPE)	0.00		0	N.D.		
19) 1,1-Dichloroethane	0.00		0	N.D.		
20) Ethyl t-butyl ether (E...)	0.00		0	N.D.		
21) 2,2-Dichloropropane	3.78	77	130	N.D.		
22] cis-1,2-Dichloroethene	3.77	96	124	0.038	ppb	82
23) Chloroform	0.00		0	N.D.		
24) 2-Butanone (MEK)	3.79	43	604	0.242	ppb	88
25) t-Amyl methyl ether (T...)	0.00		0	N.D.		
26] 1,2-Dichloroethane (EDC)	4.52	62	87	Below Cal		84
27) 1,1,1-Trichloroethane	0.00		0	N.D.		
28) 1,1-Dichloropropene	0.00		0	N.D.		
29) Carbon tetrachloride	0.00		0	N.D.		
31] Benzene	4.50	78	123	0.011	ppb	100
32] Trichloroethene	5.05	95	1335m	0.376	ppb	
33) 1,2-Dichloropropane	5.27	63	69	N.D.		
34) Bromodichloromethane	0.00		0	N.D.		
36) Dibromomethane	0.00		0	N.D.		

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111825.D
 Acq On : 18 Nov 2022 04:44 pm
 Operator : LM
 Sample : 211213-08 rr 1/0.25
 Misc : soil
 ALS Vial : 20 Sample Multiplier: 1
 InstName : GCMS13

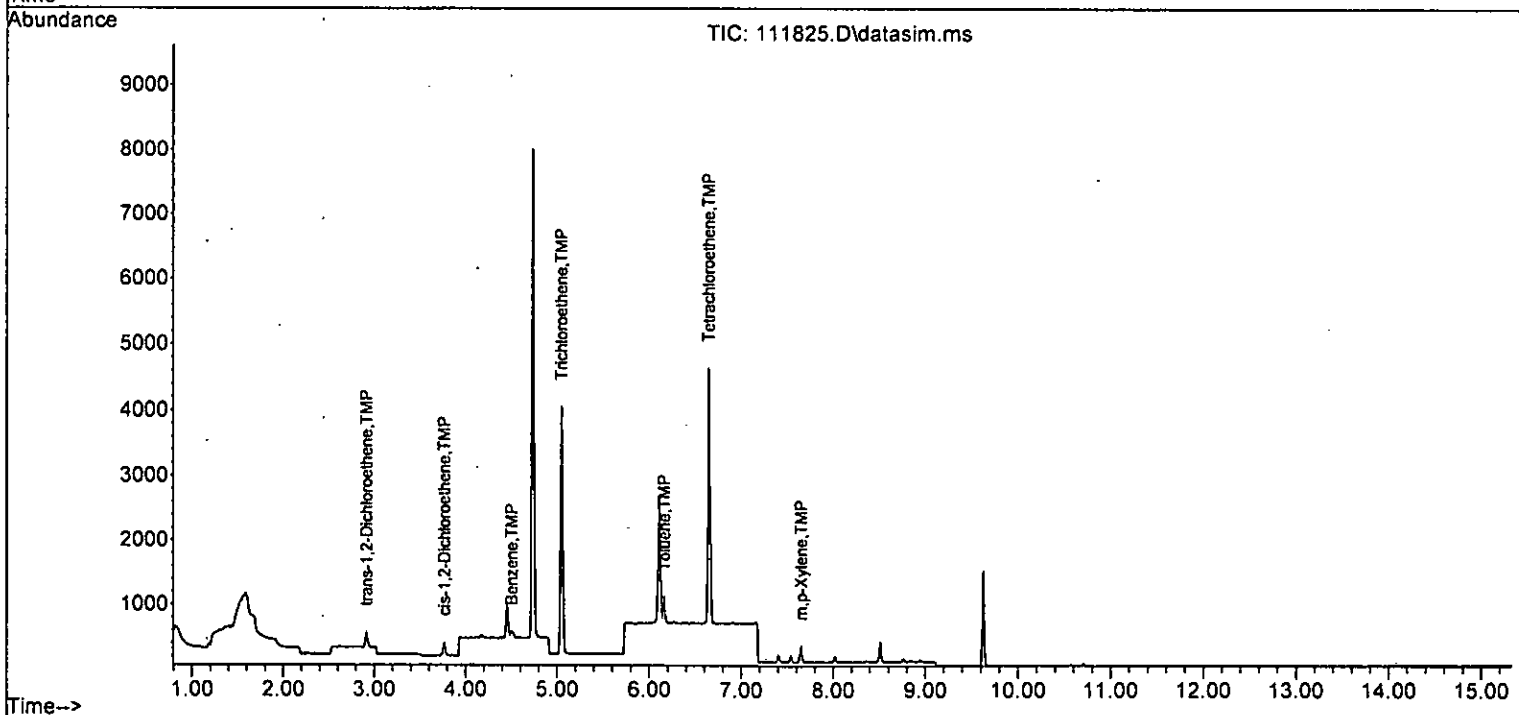
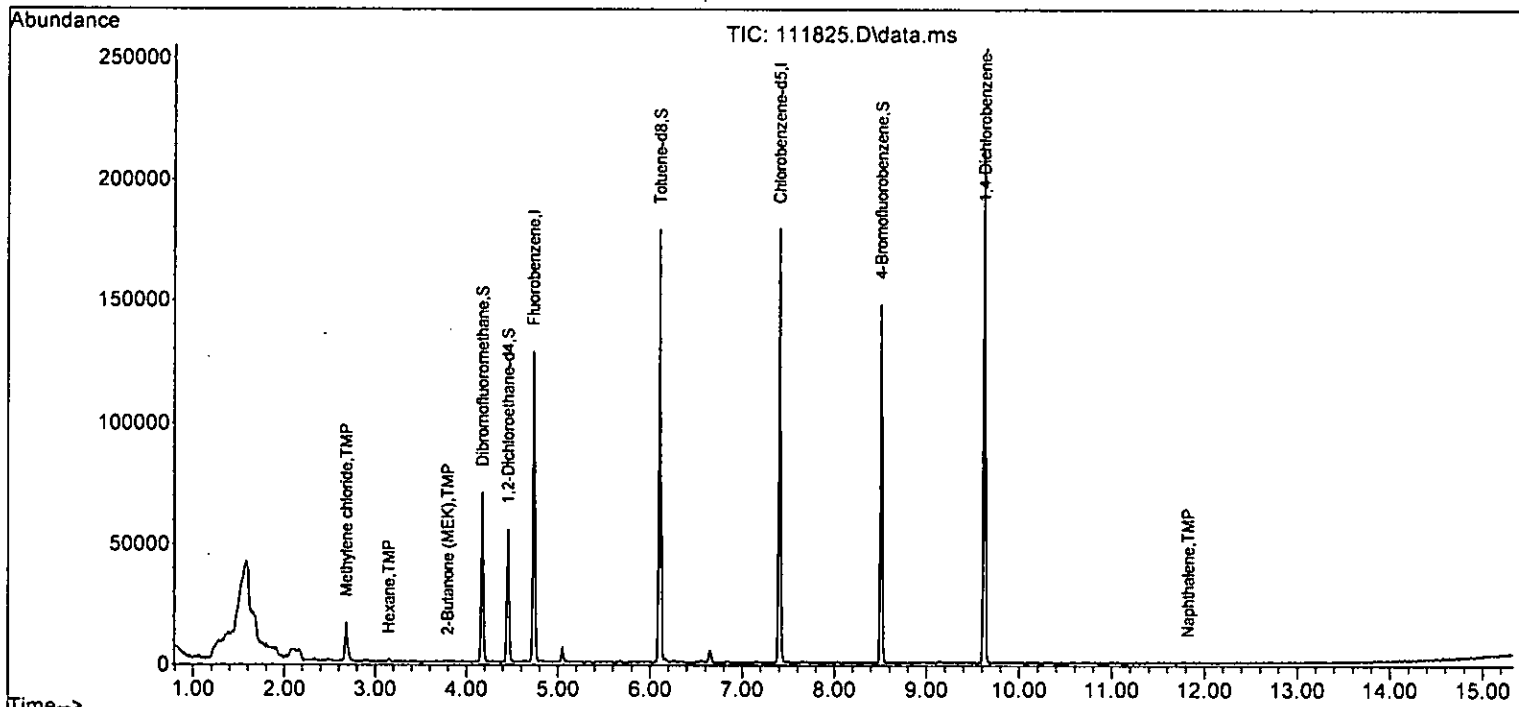
Quant Time: Nov 21 09:45:31 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.00		0		N.D.	
38) cis-1,3-Dichloropropene	0.00		0		N.D.	
40] Toluene	6.16	92	214	0.012	ppb	92
41) trans-1,3-Dichloropropene	0.00		0		N.D. d	
42] 1,1,2-Trichloroethane	6.54	83	25	Below Cal	#	53
43) 2-Hexanone	0.00		0		N.D. d	
44) 1,3-Dichloropropane	0.00		0		N.D.	
45] Tetrachloroethene	6.65	164	1402	0.370	ppb	94
46) Dibromochloromethane	0.00		0		N.D.	
47) 1,2-Dibromoethane (EDB)	0.00		0		N.D.	
48) Chlorobenzene	0.00		0		N.D.	
49) Ethylbenzene	7.54	91	102		N.D.	
50) 1,1,1,2-Tetrachloroethane	0.00		0		N.D.	
51] m,p-Xylene	7.65	106	128	0.023	ppb #	79
52) o-Xylene	8.02	106	46		N.D.	
53) Styrene	0.00		0		N.D.	
54) Isopropylbenzene	8.37	105	103		N.D.	
55) Bromoform	0.00		0		N.D.	
58) n-Propylbenzene	8.76	91	66		N.D.	
59) Bromobenzene	0.00		0		N.D.	
60) 1,3,5-Trimethylbenzene	8.94	105	61		N.D.	
61) 1,1,2,2-Tetrachloroethane	0.00		0		N.D.	
62) 1,2,3-Trichloropropane	8.89	75	130		N.D.	
63) 2-Chlorotoluene	8.84	91	28		N.D.	
64) 4-Chlorotoluene	8.84	91	28		N.D.	
65) tert-Butylbenzene	0.00		0		N.D.	
66) 1,2,4-Trimethylbenzene	9.30	105	108		N.D.	
67) sec-Butylbenzene	9.30	105	108		N.D.	
68) p-Isopropyltoluene	9.61	119	127		N.D.	
69) 1,3-Dichlorobenzene	9.56	146	21		N.D.	
70) 1,4-Dichlorobenzene	9.56	146	21		N.D.	
71) 1,2-Dichlorobenzene	10.02	146	22		N.D.	
72) 1,2-Dibromo-3-chloropr...	10.69	75	29		N.D.	
73) 1,2,4-Trichlorobenzene	0.00		0		N.D.	
74) Hexachlorobutadiene	0.00		0		N.D.	
75) Naphthalene	11.82	128	233	0.102	ppb	69
76) 1,2,3-Trichlorobenzene	0.00		0		N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111825.D
 Acq On : 18 Nov 2022 04:44 pm
 Operator : LM
 Sample : 211213-08 rr 1/0.25
 Misc : soil
 ALS Vial : 20 Sample Multiplier: 1
 InstName : GCMS13

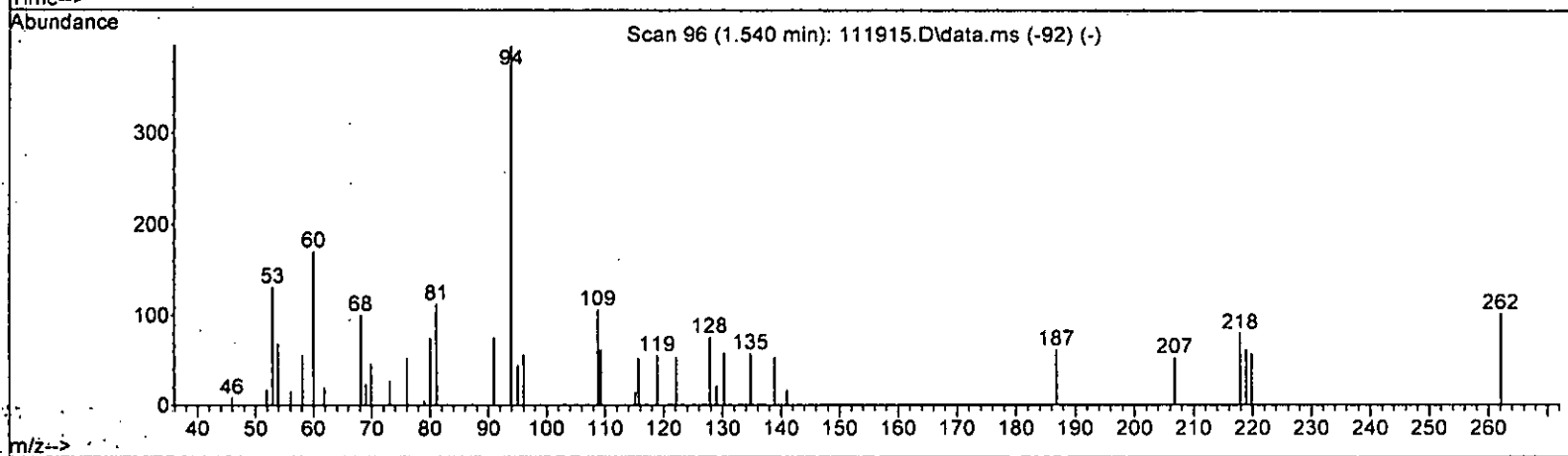
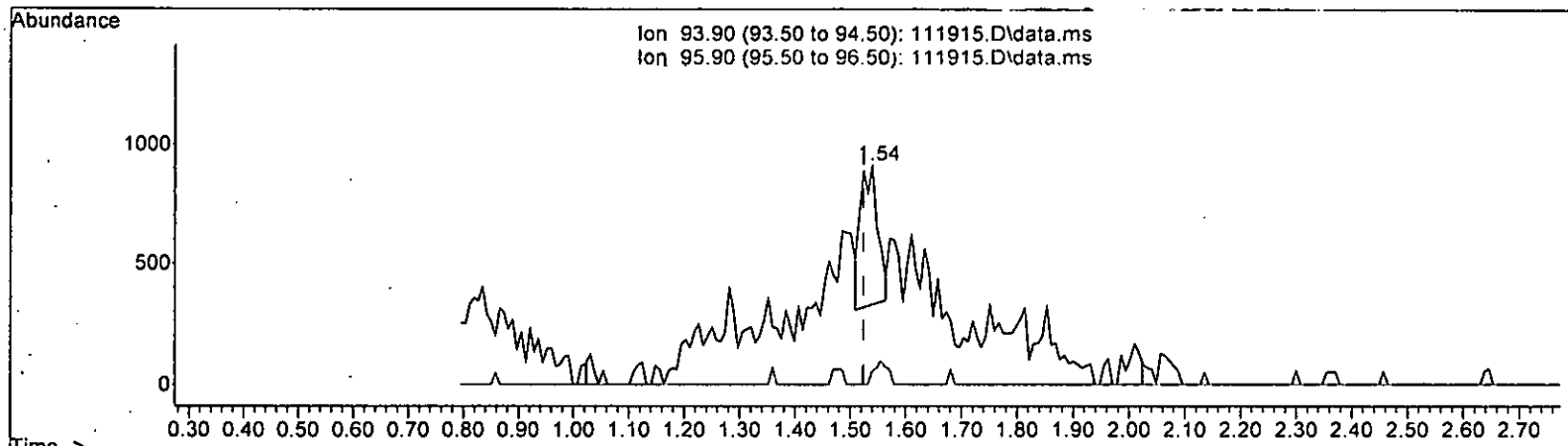
Quant Time: Nov 21 09:45:31 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 Qlast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration.
 DataAcq Meth:VM080322.M



Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS11\11-19-22\
 Data File : 111915.D
 Acq On : 20 Nov 2022 02:01 am
 Operator : JCM
 Sample : 211213-08 rx 1/0.25
 Misc : soil
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 22 10:53:49 2022
 Quant Method : Y:\Methods\Inst11\VB110322ms11LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 14:08:49 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M



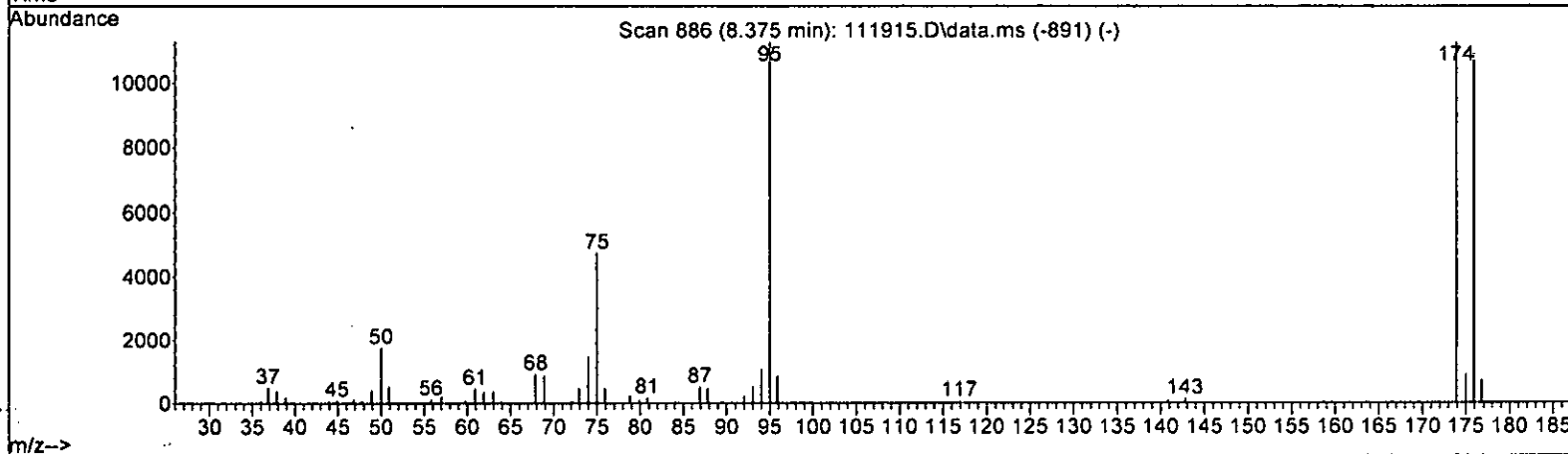
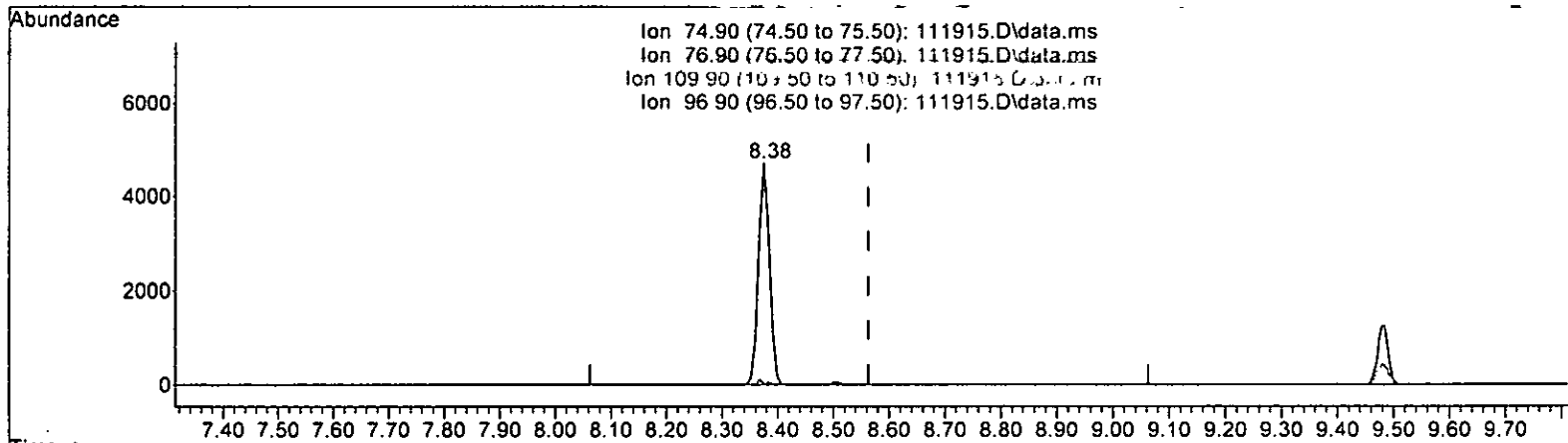
TIC: 111915.D\data.ms

(7) Bromomethane (TMP)		
response	1252	
Ion	Exp%	Act%
93.90	100.00	100.00
95.90	85.60	11.89#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS11\11-19-22\
 Data File : 111915.D
 Acq On : 20 Nov 2022 02:01 am
 Operator : JCM
 Sample : 211213-08 rx 1/0.25
 Misc : soil
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 22 10:53:49 2022
 Quant Method : Y:\Methods\Inst11\VB110322ms11LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 14:08:49 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M



TIC: 111915.D\data.ms

(62) 1,2,3-Trichloropropane (TMP)

8.375min (-0.188) 6.185 ppb

response	6379	
Ion	Exp%	Act%
74.90	100.00	100.00
76.90	33.00	0.00#
109.90	36.40	0.00#
96.90	20.10	0.00

Data Path : Y:\Proc_GCMS11\11-19-22\
 Data File : 111915.D
 Acq On : 20 Nov 2022 02:01 am
 Operator : JCM
 Sample : 211213-08 rx 1/0.25
 Misc : soil
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 22 10:53:49 2022
 Quant Method : Y:\Methods\Inst11\VB110322ms11LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 14:08:49 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

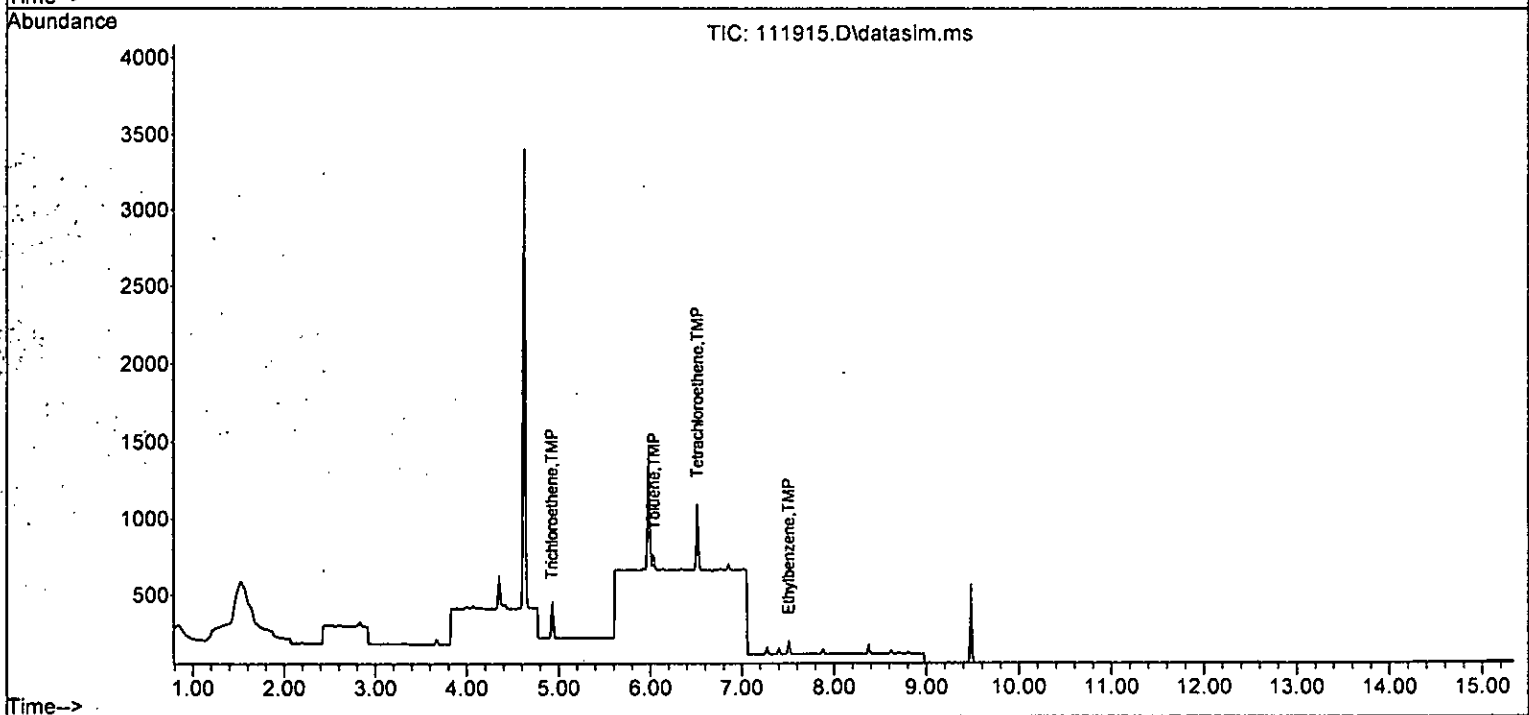
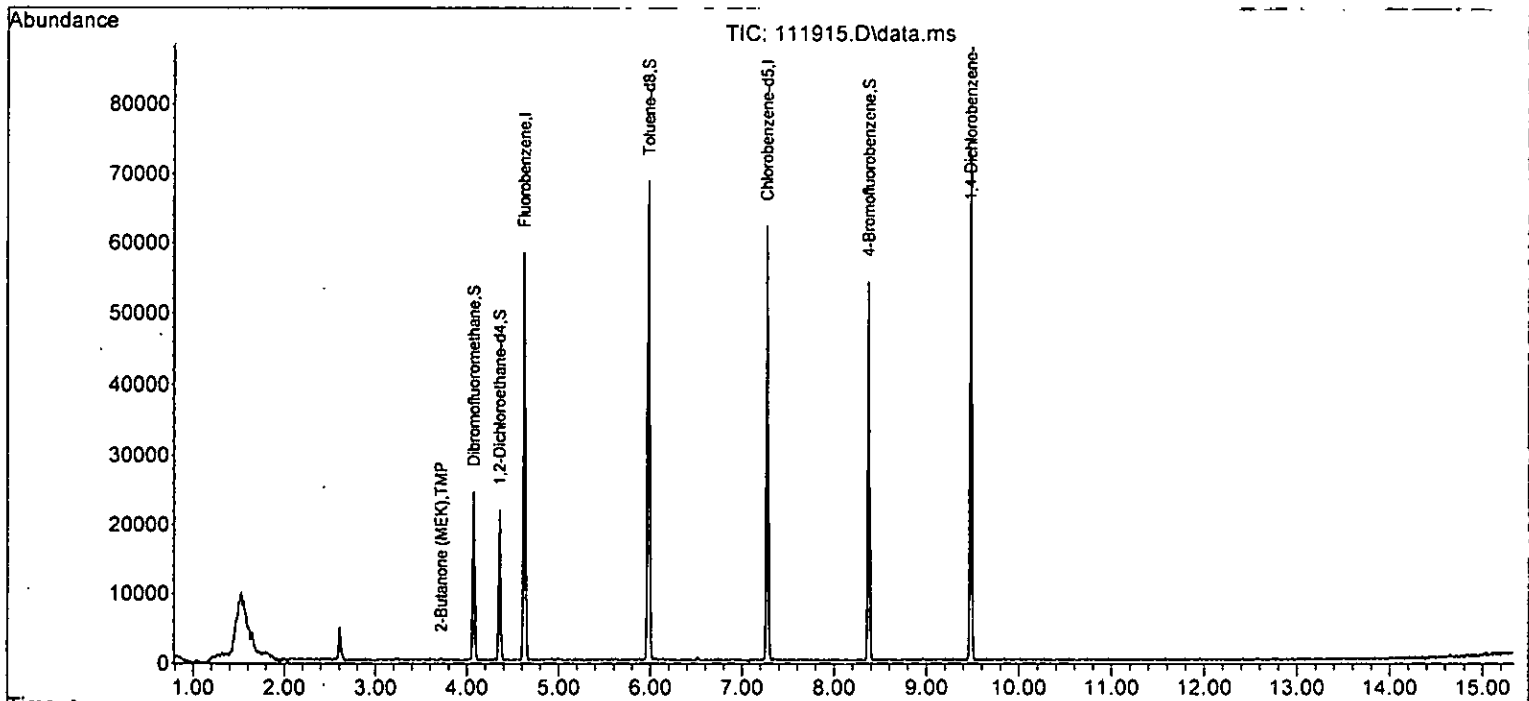
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

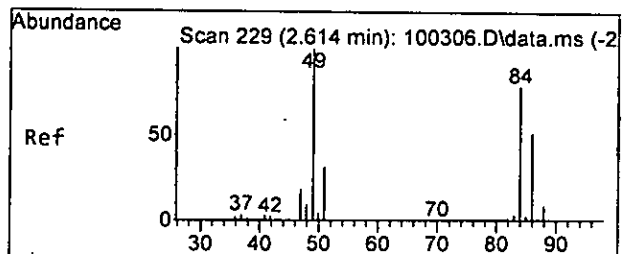
Internal Standards							
1) Fluorobenzene	4.63	96	42749	10.000	ppb	0.00	
39) Chlorobenzene-d5	7.27	117	32942	10.000	ppb	0.00	
56) 1,4-Dichlorobenzene-d4	9.48	152	18771	10.000	ppb	0.00	
System Monitoring Compounds							
3) Dibromofluoromethane	4.08	113	11412	9.427	ppb	0.00	
Spiked Amount	10.000	Range 50 - 150	Recovery =	94.30%			
30) 1,2-Dichloroethane-d4	4.36	102	2689	9.983	ppb	0.00	
Spiked Amount	10.000	Range 79 - 128	Recovery =	99.80%			
35) Toluene-d8	5.98	98	39673	10.455	ppb	0.00	
Spiked Amount	10.000	Range 84 - 121	Recovery =	104.50%			
57) 4-Bromofluorobenzene	8.38	95	14324	10.204	ppb	0.00	
Spiked Amount	10.000	Range 84 - 116	Recovery =	102.00%			
Target Compounds							
14) Methylene chloride	2.61	84	1850	Below Cal		96	Qvalue
24) 2-Butanone (MEK)	3.72	43	245	0.336	ppb	58	
32] Trichloroethene	4.93	95	93	0.070	ppb	83	
40] Toluene	6.04	92	56	0.020	ppb	93	
45] Tetrachloroethene	6.51	164	152	0.079	ppb	94	
49] Ethylbenzene	7.51	91	88	0.017	ppb	83	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS11\11-19-22\
 Data File : 111915.D
 Acq On : 20 Nov 2022 02:01 am
 Operator : JCM
 Sample : 211213-08 rx 1/0.25
 Misc : soil
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 22 10:53:49 2022
 Quant Method : Y:\Methods\Inst11\VB110322ms11LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 14:08:49 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

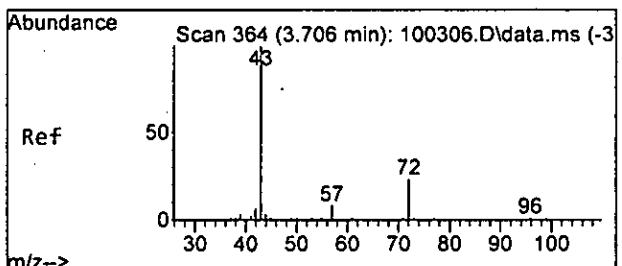
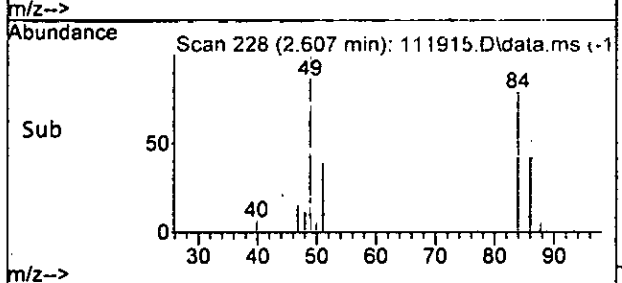
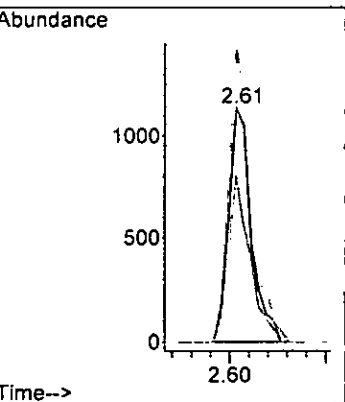
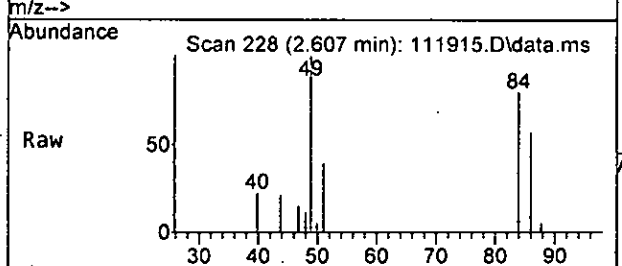




#14
 Methylene chloride
 Concen: Below Cal
 RT: 2.61 min Scan# 228
 Delta R.T. 0.008 min
 Lab File: 111915.D
 Acq: 20 Nov 2022 02:01 am

Tgt Ion: 84 Resp: 1850

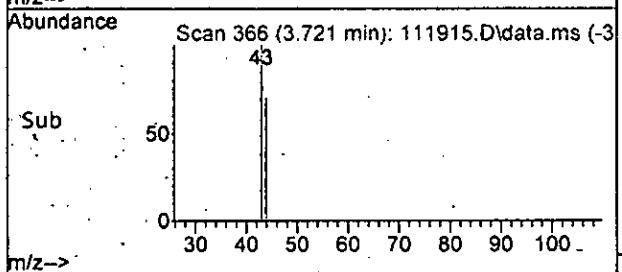
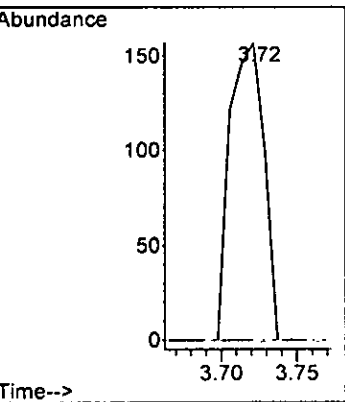
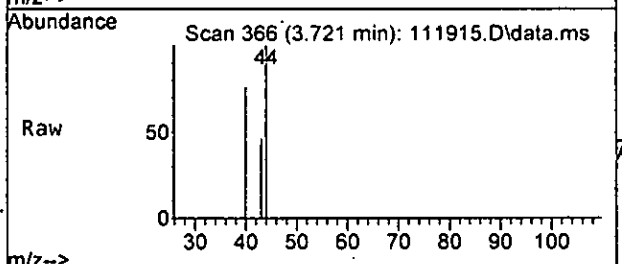
Ion	Ratio	Lower	Upper
84	100		
86	70.7	32.4	92.4
49	127.3	96.9	156.9

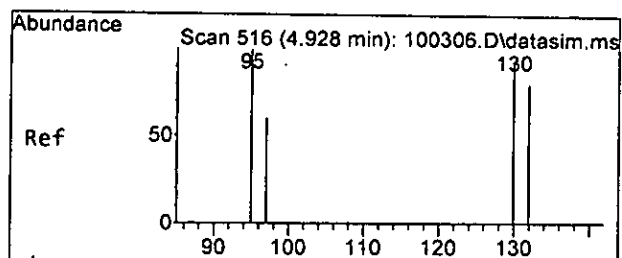


#24
 2-Butanone (MEK)
 Concen: 0.336 ppb
 RT: 3.72 min Scan# 366
 Delta R.T. 0.023 min
 Lab File: 111915.D
 Acq: 20 Nov 2022 02:01 am

Tgt Ion: 43 Resp: 245

Ion	Ratio	Lower	Upper
43	100		
72	0.0	0.0	53.8
57	0.0	0.0	28.7

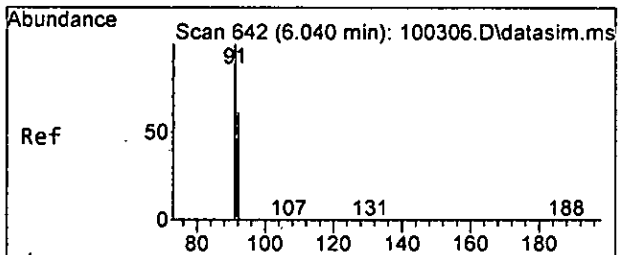
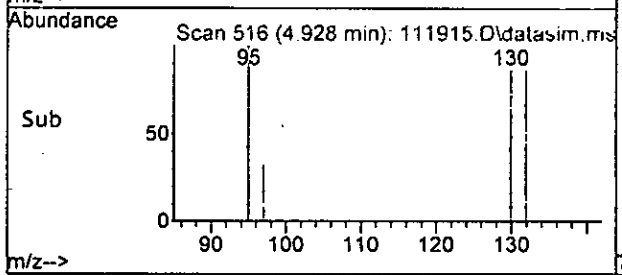
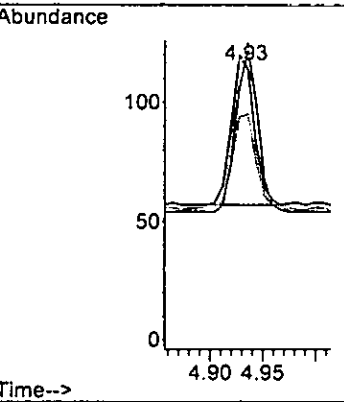
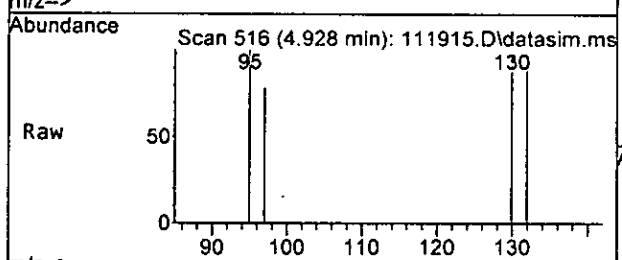




#32
 Trichloroethene
 Concen: 0.070 ppb
 RT: 4.93 min Scan# 516
 Delta R.T. 0.001 min
 Lab File: 111915.D
 Acq: 20 Nov 2022 02:01 am

Tgt Ion: 95 Resp: 93

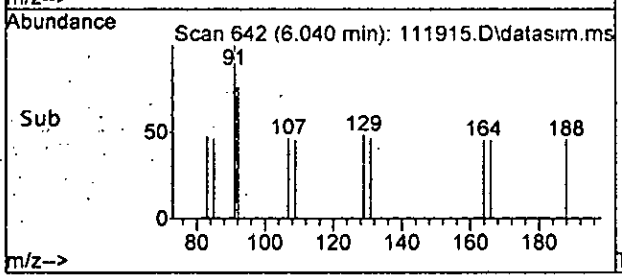
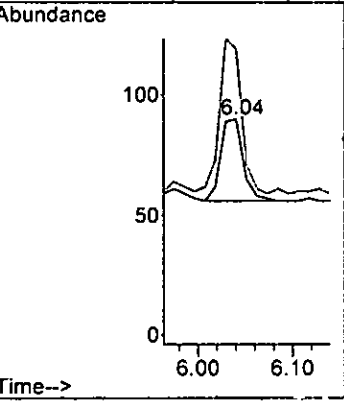
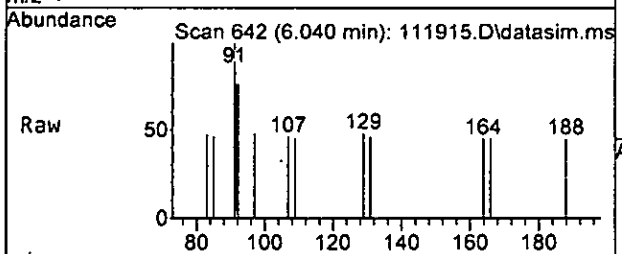
Ion	Ratio	Lower	Upper
95	100		
97	60.3	36.0	96.0
130	95.2	82.2	142.2
132	82.5	76.6	136.6

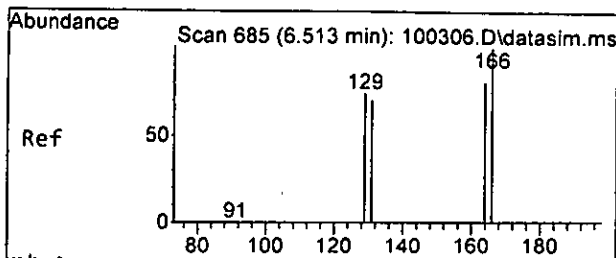


#40
 Toluene
 Concen: 0.020 ppb
 RT: 6.04 min Scan# 642
 Delta R.T. 0.011 min
 Lab File: 111915.D
 Acq: 20 Nov 2022 02:01 am

Tgt Ion: 92 Resp: 56

Ion	Ratio	Lower	Upper
92	100		
91	176.5	136.9	196.9

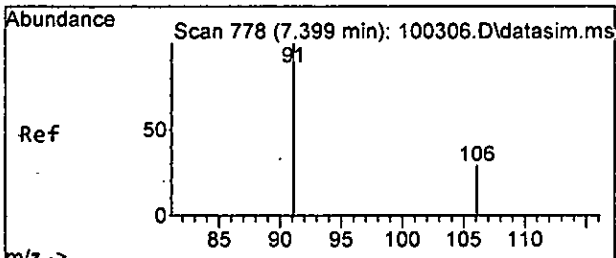
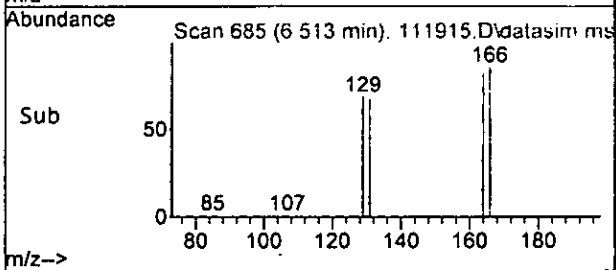
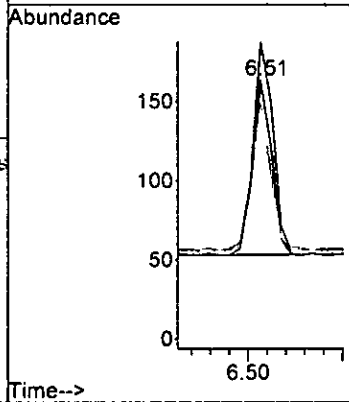
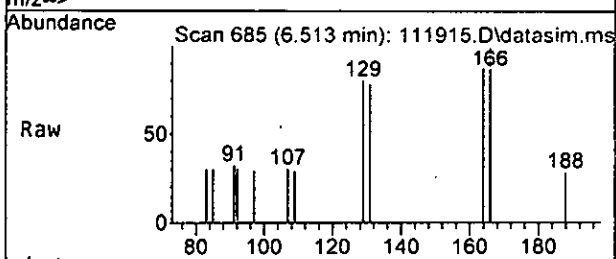




#45
 Tetrachloroethene
 Concen: 0.079 ppb
 RT: 6.51 min Scan# 685
 Delta R.T. 0.000 min
 Lab File: 111915.D
 Acq: 20 Nov 2022 02:01 am

Tgt Ion: 164 Resp: 152

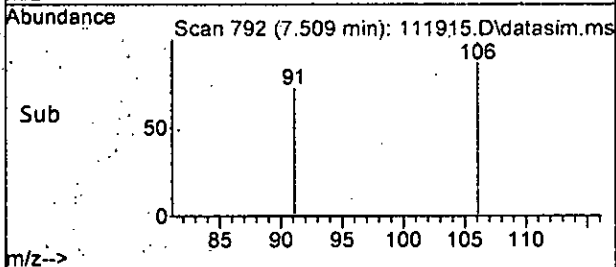
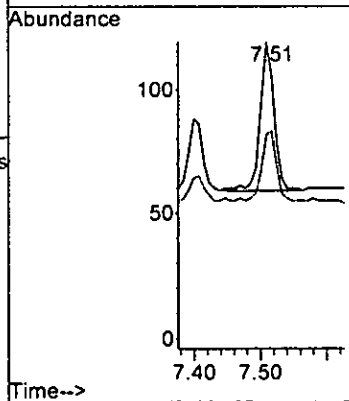
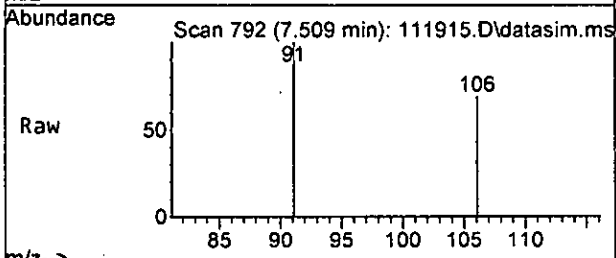
Ion	Ratio	Lower	Upper
164	100		
129	84.5	64.7	124.7
131	81.8	58.7	118.7
166	121.8	93.3	153.3



#49
 Ethylbenzene
 Concen: 0.017 ppb
 RT: 7.51 min Scan# 792
 Delta R.T. 0.110 min
 Lab File: 111915.D
 Acq: 20 Nov 2022 02:01 am

Tgt Ion: 91 Resp: 88

Ion	Ratio	Lower	Upper
91	100		
106	45.0	4.9	64.9



Data Path : Y:\Proc_GCMS11\11-19-22\
 Data File : 111915.D
 Acq On : 20 Nov 2022 02:01 am
 Operator : JCM
 Sample : 211213-08 rx 1/0.25
 Misc : soil
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS11

Quant Time: Nov 22 10:53:49 2022
 Quant Method : Y:\Methods\Inst11\VB110322ms11LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 14:08:49 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	4.63	96	42749	10.000	ppb	0.00
39) Chlorobenzene-d5	7.27	117	32942	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	18771	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.08	113	11412	9.427	ppb	0.00
Spiked Amount	10.000	Range	50 - 150	Recovery	=	94.30%
30) 1,2-Dichloroethane-d4	4.36	102	2689	9.983	ppb	0.00
Spiked Amount	10.000	Range	79 - 128	Recovery	=	99.80%
35) Toluene-d8	5.98	98	39673	10.455	ppb	0.00
Spiked Amount	10.000	Range	84 - 121	Recovery	=	104.50%
57) 4-Bromofluorobenzene	8.38	95	14324	10.204	ppb	0.00
Spiked Amount	10.000	Range	84 - 116	Recovery	=	102.00%
Target Compounds						
						Qvalue
2) Ethanol	0.00		0		N.D.	
4) Dichlorodifluoromethane	0.00		0		N.D.	
5) Chloromethane	1.24	50	63		N.D.	
6) Vinyl chloride	0.00		0		N.D.	
7) Bromomethane	0.00		0		N.D. d	
8) Chloroethane	0.00		0		N.D.	
9) Trichlorofluoromethane	0.00		0		N.D.	
10) 2-Propanol	2.41	45	369		No Calib	
11) Acetone	0.00		0		N.D.	
12) 1,1-Dichloroethene	0.00		0		N.D.	
13) Hexane	0.00		0		N.D.	
14) Methylene chloride	2.61	84	1850		Below Cal	96
15) t-Butyl alcohol (TBA)	0.00		0		N.D.	
16) Methyl t-butyl ether (...)	0.00		0		N.D.	
17) trans-1,2-Dichloroethene	0.00		0		N.D.	
18) Diisopropyl ether (DIPE)	0.00		0		N.D.	
19) 1,1-Dichloroethane	0.00		0		N.D.	
20) Ethyl t-butyl ether (E...)	0.00		0		N.D.	
21) 2,2-Dichloropropane	0.00		0		N.D.	
22) cis-1,2-Dichloroethene	0.00		0		N.D.	
23) Chloroform	0.00		0		N.D.	
24) 2-Butanone (MEK)	3.72	43	245	0.336	ppb	58
25) t-Amyl methyl ether (T...)	0.00		0		N.D.	
26) 1,2-Dichloroethane (EDC)	0.00		0		N.D.	
27) 1,1,1-Trichloroethane	0.00		0		N.D.	
28) 1,1-Dichloropropene	0.00		0		N.D.	
29) Carbon tetrachloride	0.00		0		N.D.	
31) Benzene	0.00		0		N.D.	
32) Trichloroethene	4.93	95	93	0.070	ppb	83
33) 1,2-Dichloropropane	0.00		0		N.D.	
34) Bromodichloromethane	0.00		0		N.D.	
36) Dibromomethane	0.00		0		N.D.	

Data Path : Y:\Proc_GCMS11\11-19-22\
 Data File : 111915.D
 Acq On : 20 Nov 2022 02:01 am
 Operator : JCM
 Sample : 211213-08 rx 1/0.25
 Misc : soil
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS11

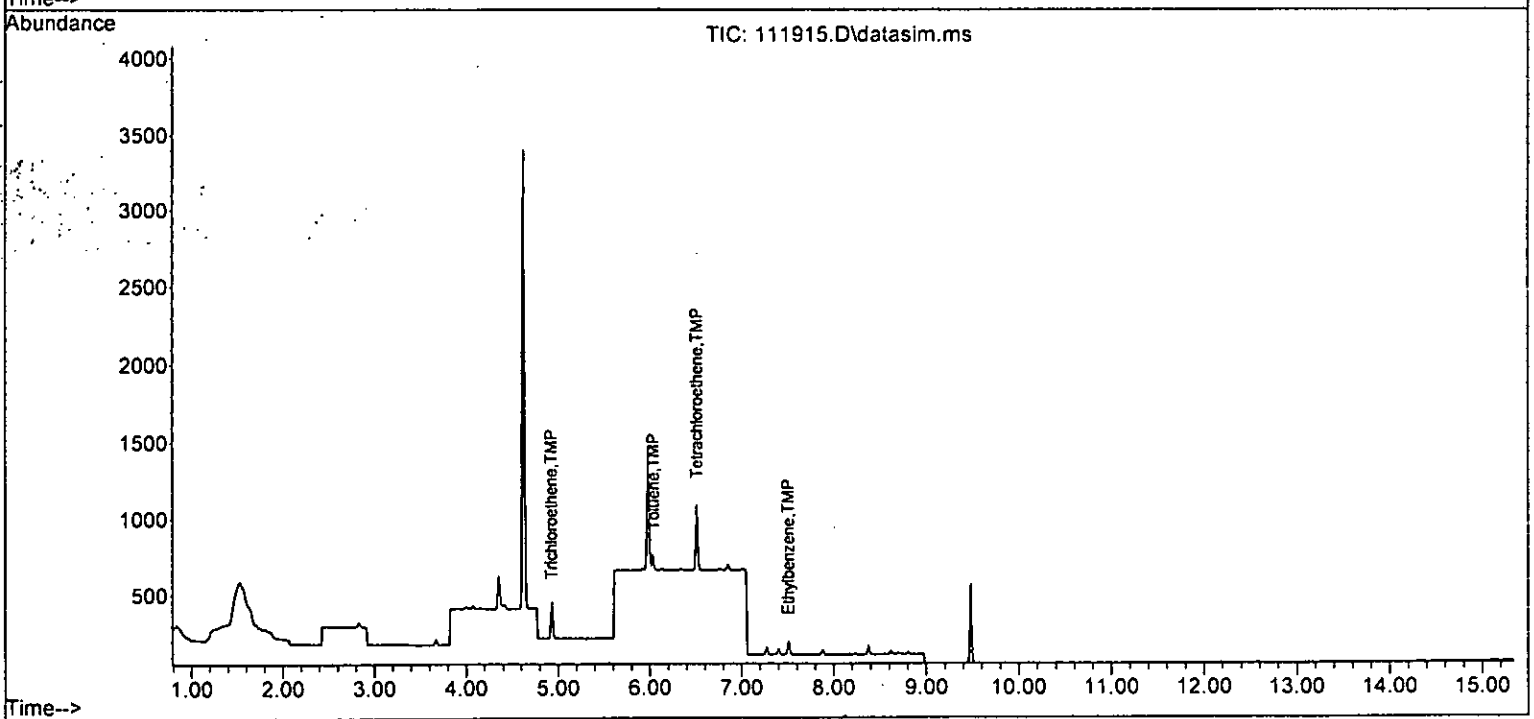
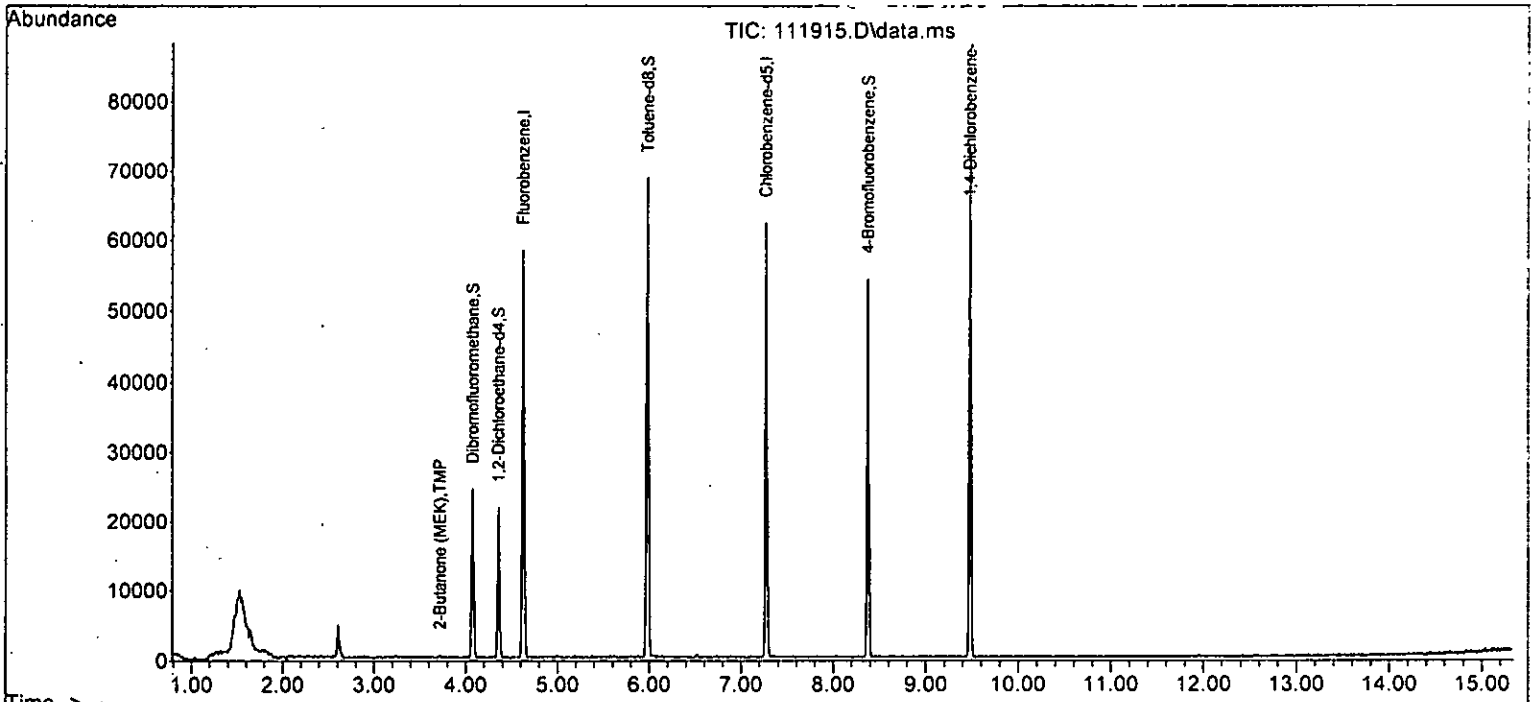
Quant Time: Nov 22 10:53:49 2022
 Quant Method : Y:\Methods\Inst11\VB110322ms11LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 14:08:49 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.00		0		N.D.	
38) cis-1,3-Dichloropropene	0.00		0		N.D.	
40] Toluene	6.04	92	56	0.020	ppb	93
41) trans-1,3-Dichloropropene	6.14	75	102		N.D.	
42) 1,1,2-Trichloroethane	0.00		0		N.D.	
43) 2-Hexanone	0.00		0		N.D.	
44) 1,3-Dichloropropane	0.00		0		N.D.	
45] Tetrachloroethene	6.51	164	152	0.079	ppb	94
46) Dibromochloromethane	0.00		0		N.D.	
47) 1,2-Dibromoethane (EDB)	0.00		0		N.D.	
48) Chlorobenzene	0.00		0		N.D.	
49] Ethylbenzene	7.51	91	88	0.017	ppb	83
50) 1,1,1,2-Tetrachloroethane	0.00		0		N.D.	
51) m,p-Xylene	0.00		0		N.D.	
52) o-Xylene	0.00		0		N.D.	
53) Styrene	0.00		0		N.D.	
54) Isopropylbenzene	0.00		0		N.D.	
55) Bromoform	0.00		0		N.D.	
58) n-Propylbenzene	0.00		0		N.D.	
59) Bromobenzene	0.00		0		N.D.	
60) 1,3,5-Trimethylbenzene	0.00		0		N.D.	
61) 1,1,2,2-Tetrachloroethane	0.00		0		N.D.	
62) 1,2,3-Trichloropropane	0.00		0		N.D.	d
63) 2-Chlorotoluene	0.00		0		N.D.	
64) 4-Chlorotoluene	0.00		0		N.D.	
65) tert-Butylbenzene	0.00		0		N.D.	
66) 1,2,4-Trimethylbenzene	0.00		0		N.D.	
67) sec-Butylbenzene	0.00		0		N.D.	
68) p-Isopropyltoluene	0.00		0		N.D.	
69) 1,3-Dichlorobenzene	0.00		0		N.D.	
70) 1,4-Dichlorobenzene	0.00		0		N.D.	
71) 1,2-Dichlorobenzene	0.00		0		N.D.	
72) 1,2-Dibromo-3-chloropr...	0.00		0		N.D.	
73) 1,2,4-Trichlorobenzene	0.00		0		N.D.	
74) Hexachlorobutadiene	0.00		0		N.D.	
75) Naphthalene	0.00		0		N.D.	
76) 1,2,3-Trichlorobenzene	0.00		0		N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS11\11-19-22\
 Data File : 111915.D
 Acq On : 20 Nov 2022 02:01 am
 Operator : JCM
 Sample : 211213-08 rx 1/0.25
 Misc : soil
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS11

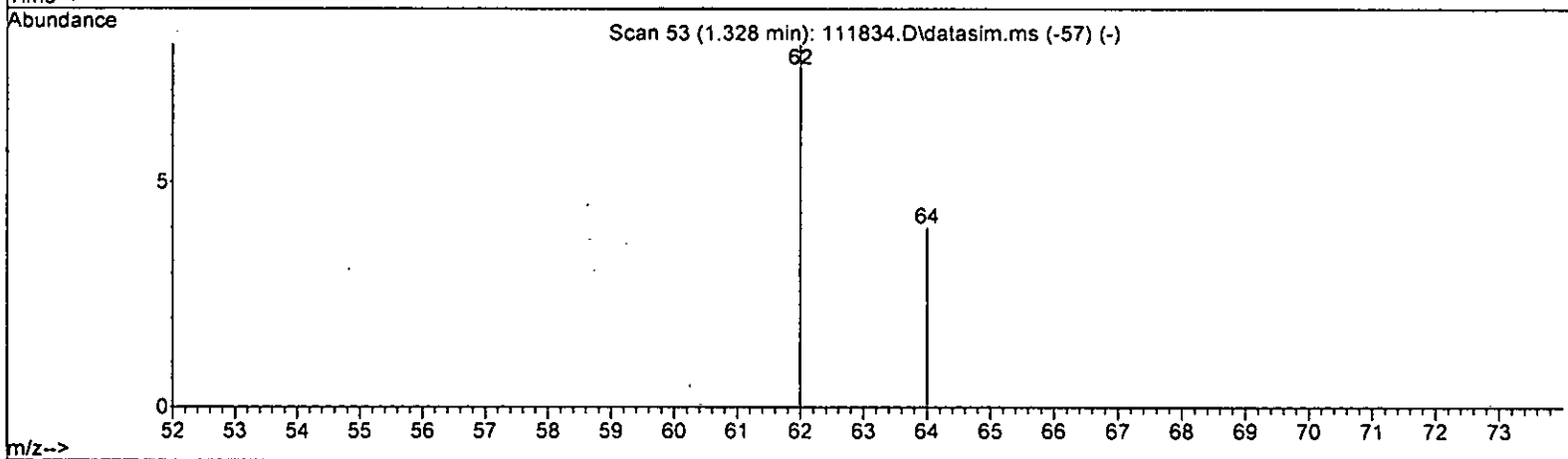
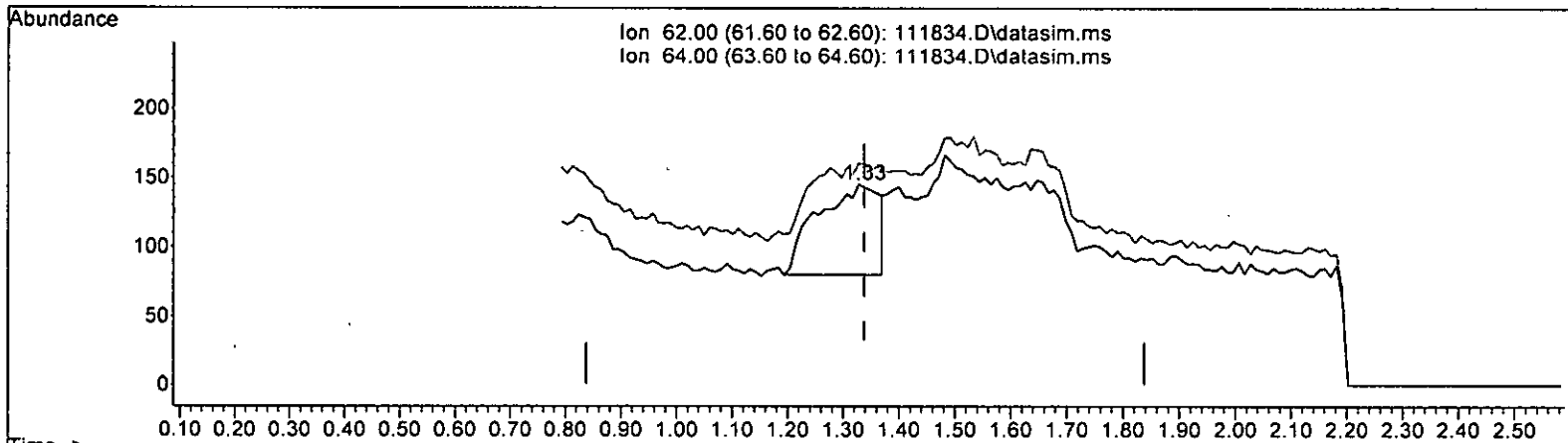
Quant Time: Nov 22 10:53:49 2022
 Quant Method : Y:\Methods\Inst11\VB110322ms11LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 14:08:49 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080522.M



Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111834.D
 Acq On : 18 Nov 2022 08:51 pm
 Operator : LM
 Sample : 211213-07
 Misc : water
 ALS Vial : 27 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 10:33:55 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



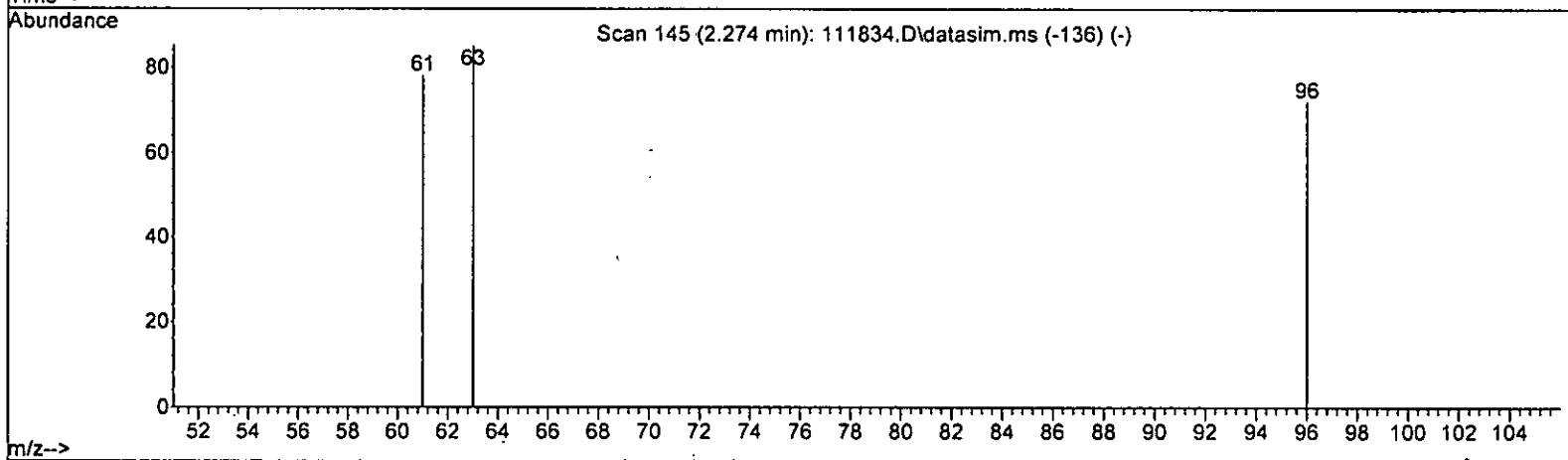
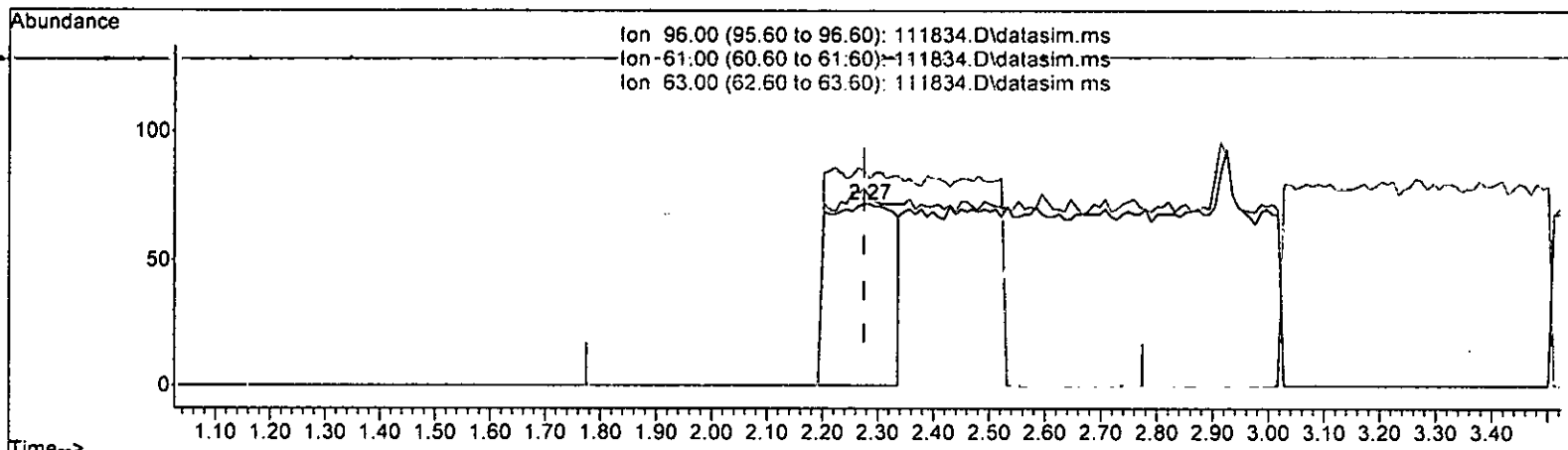
TIC: 111834.D\data.ms

(6) Vinyl chloride (TMP)		
1.328min (-0.010) 0.101 ppb		
response	495	
Ion	Exp%	Act%
62.00	100.00	100.00
64.00	34.40	78.46#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111834.D
 Acq On : 18 Nov 2022 08:51 pm
 Operator : LM
 Sample : 211213-07
 Misc : water
 ALS Vial : 27 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 10:33:55 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 111834.D\data.ms

(12) 1,1-Dichloroethene (TMP)

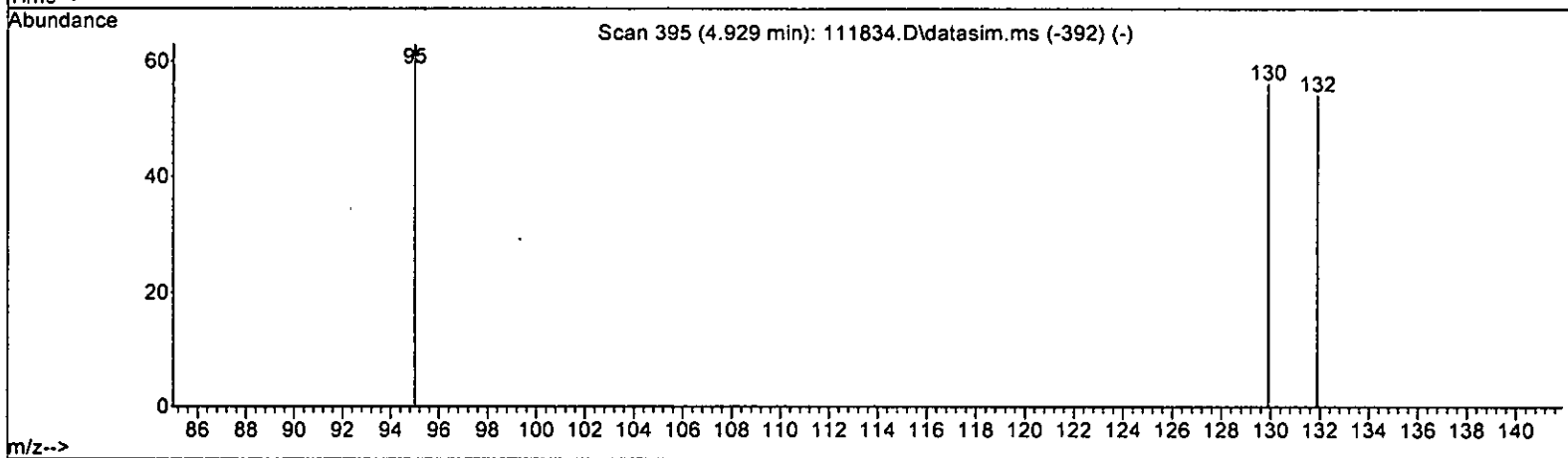
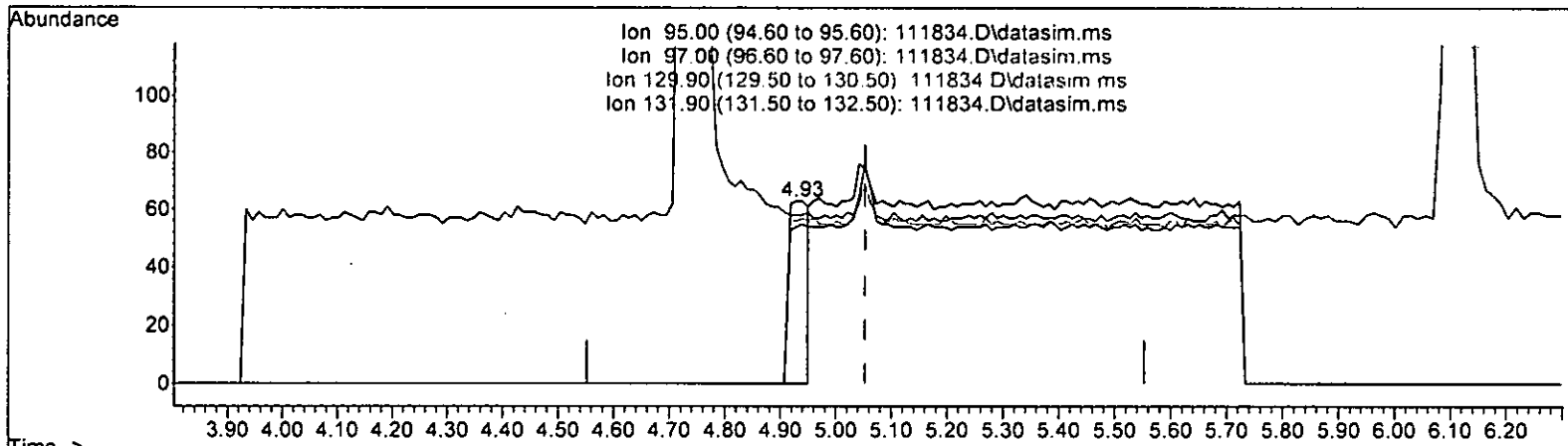
2.274min (-0.001) 0.220 ppb

response	603
Ion	Exp% Act%
96.00	100.00 100.00
61.00	120.90 108.33
63.00	43.90 118.06#
0.00	0.00 0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111834.D
 Acq On : 18 Nov 2022 08:51 pm
 Operator : LM
 Sample : 211213-07
 Misc : water
 ALS Vial : 27 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 10:33:55 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 111834.D\data.ms

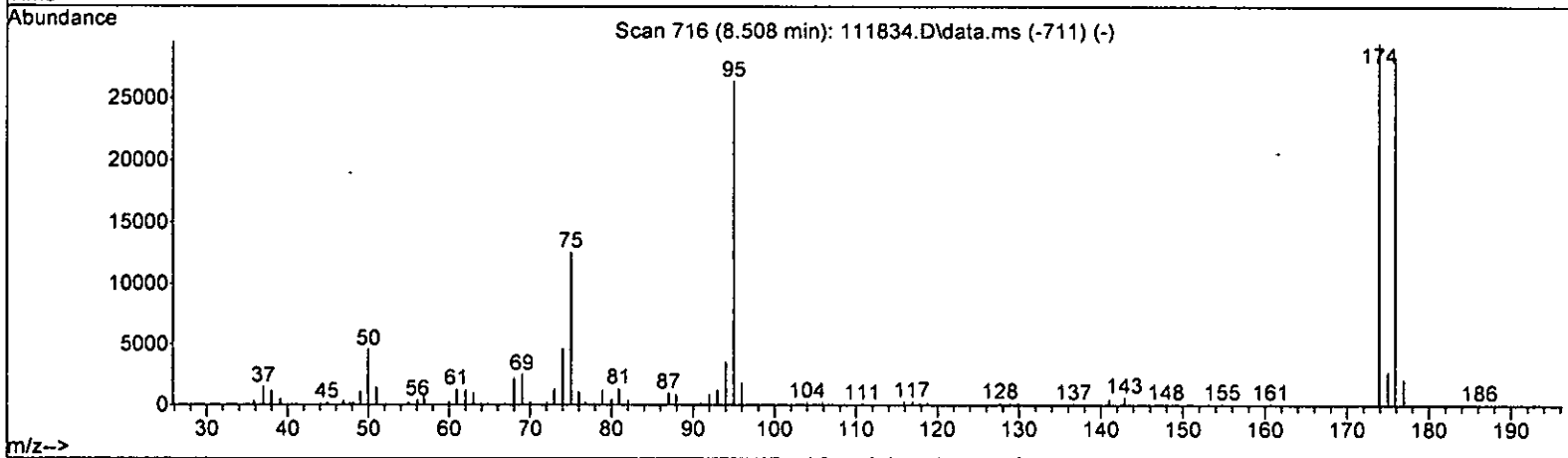
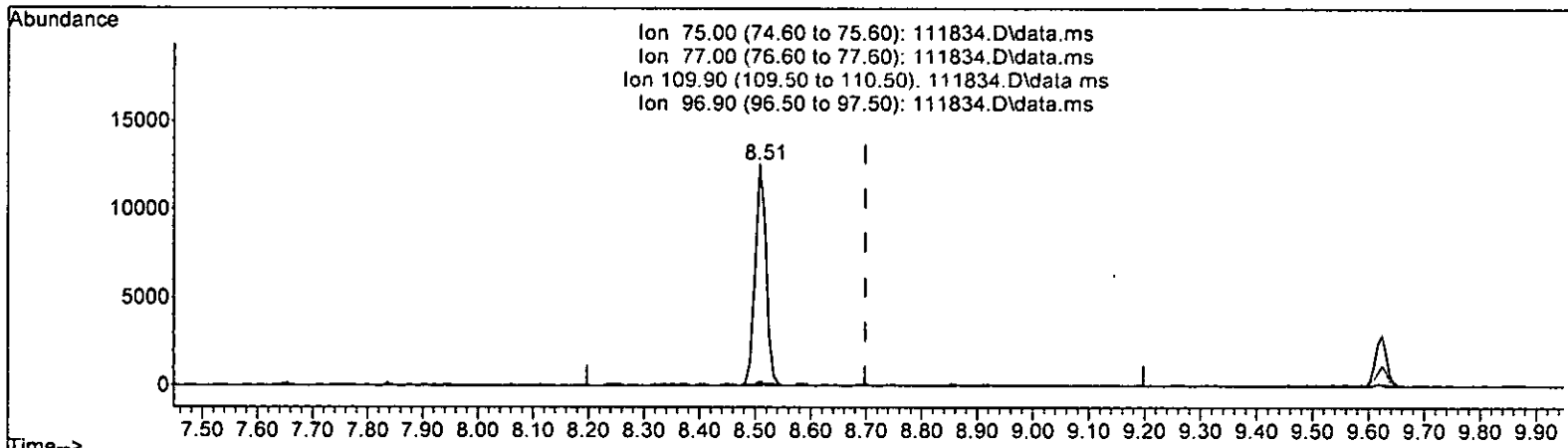
(32) Trichloroethene (TMP)
 4.929min (-0.124) 0.045 ppb
 response 159

Ion	Exp%	Act%
95.00	100.00	100.00
97.00	64.60	0.00#
129.90	103.40	88.89
131.90	95.80	85.71

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111834.D
 Acq On : 18 Nov 2022 08:51 pm
 Operator : LM
 Sample : 211213-07
 Misc : water
 ALS Vial : 27 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 10:33:55 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 111834.D\data.ms

(62) 1,2,3-Trichloropropane (TMP)

8.508min (-0.190) 6.785 ppb

response 17182

Ion	Exp%	Act%
75.00	100.00	100.00
77.00	34.00	2.20#
109.90	36.50	0.00#
96.90	22.60	0.57

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111834.D
 Acq On : 18 Nov 2022 08:51 pm
 Operator : LM
 Sample : 211213-07
 Misc : water
 ALS Vial : 27 Sample Multiplier: 1
 InstName : GCMS13

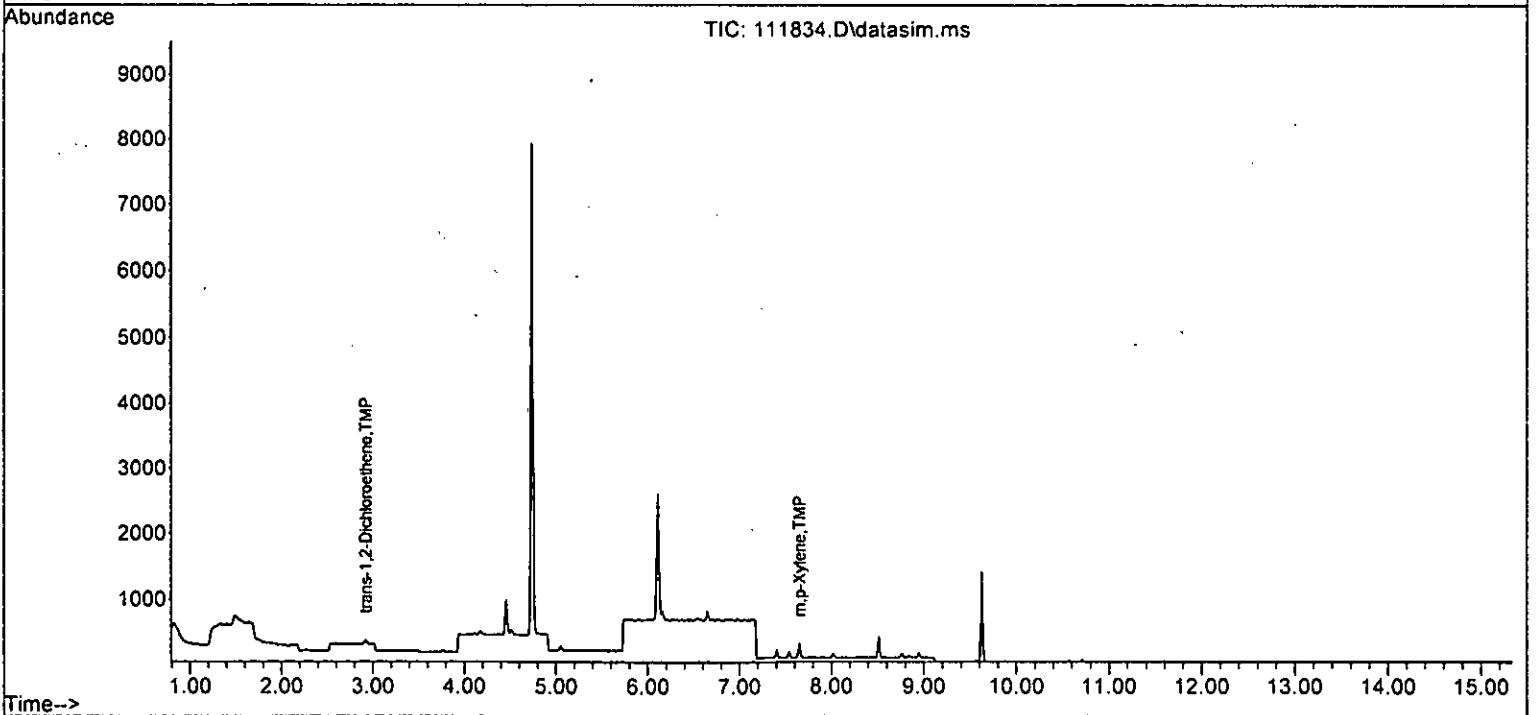
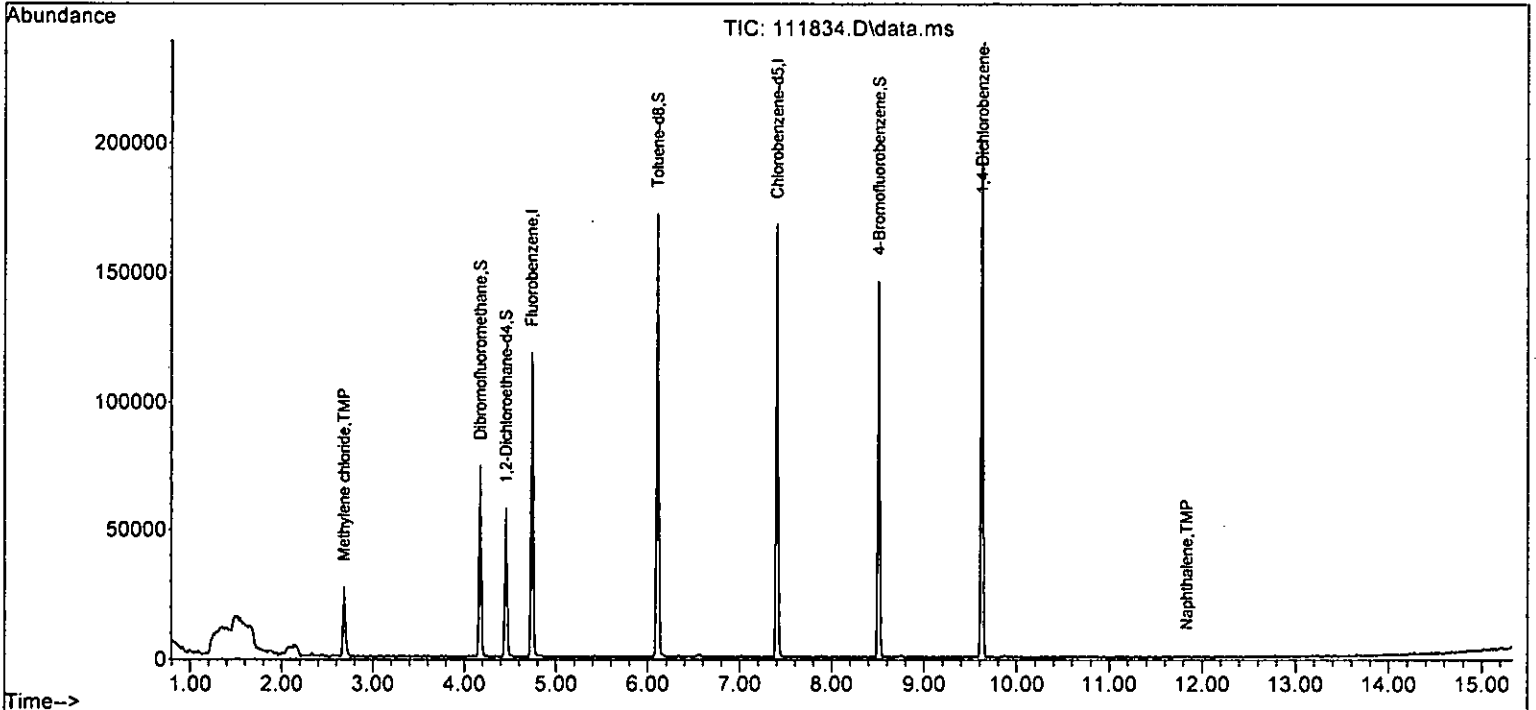
Quant Time: Nov 21 10:33:55 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

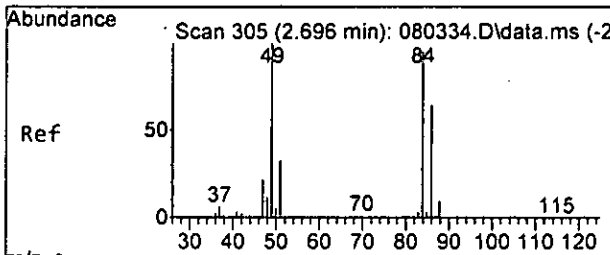
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.73	96	95999	10.000	ppb	-0.01
39) Chlorobenzene-d5	7.40	117	88611	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	52081	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.17	113	33874	11.003	ppb	0.00
Spiked Amount	10.000	Range 50 - 150	Recovery	=	110.00%	
30) 1,2-Dichloroethane-d4	4.45	102	6470	10.845	ppb	0.00
Spiked Amount	10.000	Range 71 - 132	Recovery	=	108.40%	
35) Toluene-d8	6.11	98	93649	10.229	ppb	0.00
Spiked Amount	10.000	Range 68 - 139	Recovery	=	102.30%	
57) 4-Bromofluorobenzene	8.51	95	36142	10.071	ppb	0.00
Spiked Amount	10.000	Range 62 - 136	Recovery	=	100.70%	
Target Compounds						
11) Acetone	2.33	58	237	Below Cal	#	37
14) Methylene chloride	2.68	84	11638	3.324	ppb	93
17] trans-1,2-Dichloroethene	2.92	96	51	0.017	ppb	# 72
24) 2-Butanone (MEK)	3.79	43	249	Below Cal		55
26] 1,2-Dichloroethane (EDC)	4.52	62	89	Below Cal		84
40] Toluene	6.16	92	76	Below Cal		83
42] 1,1,2-Trichloroethane	6.53	83	30	Below Cal	#	35
45] Tetrachloroethene	6.65	164	52	Below Cal	#	72
51] m,p-Xylene	7.65	106	117	0.022	ppb	83
61) 1,1,2,2-Tetrachloroethane	8.52	83	29	Below Cal	#	1
75) Naphthalene	11.83	128	85	0.087	ppb	69

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111834.D
 Acq On : 18 Nov 2022 08:51 pm
 Operator : LM
 Sample : 211213-07
 Misc : water
 ALS Vial : 27 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 10:33:55 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

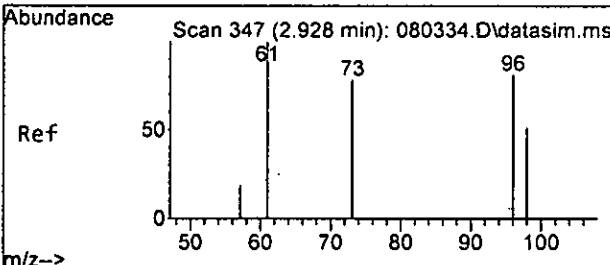
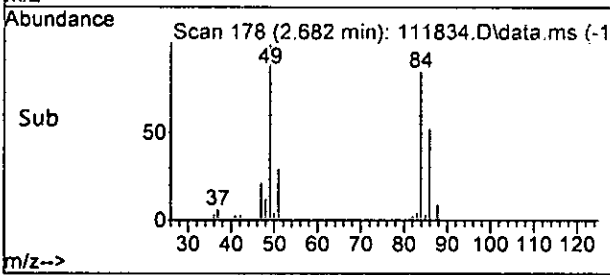
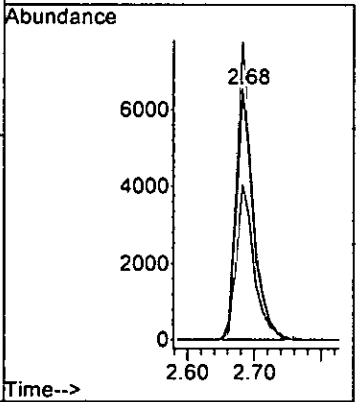
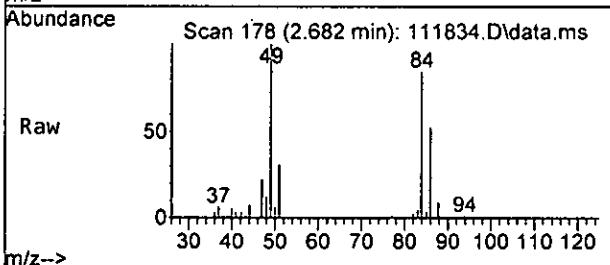




#14
 Methylene chloride
 Concen: 3.324 ppb
 RT: 2.68 min Scan# 178
 Delta R.T. -0.000 min
 Lab File: 111834.D
 Acq: 18 Nov 2022 08:51 pm

Tgt Ion: 84 Resp: 11638

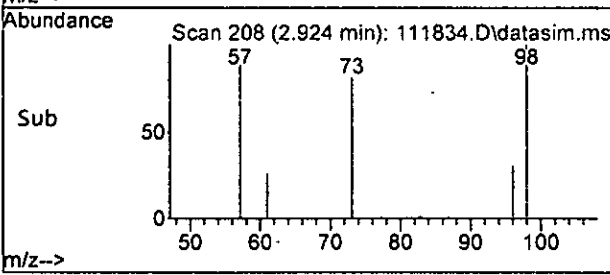
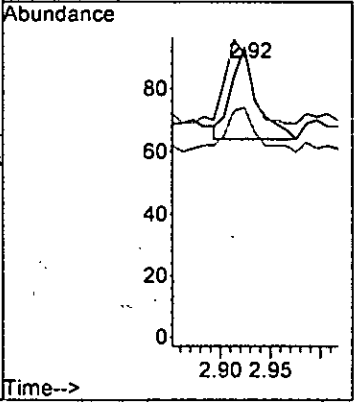
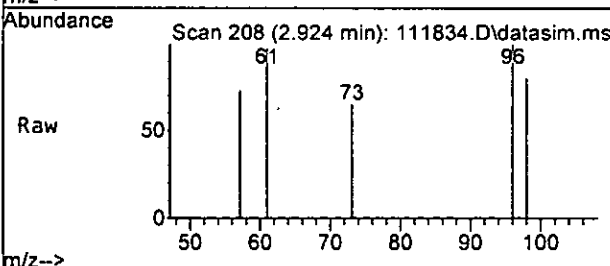
Ion	Ratio	Lower	Upper
84	100		
86	61.9	37.1	97.1
49	119.6	81.3	141.3

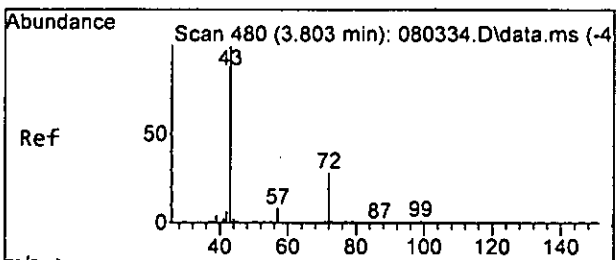


#17
 trans-1,2-Dichloroethene
 Concen: 0.017 ppb
 RT: 2.92 min Scan# 208
 Delta R.T. -0.001 min
 Lab File: 111834.D
 Acq: 18 Nov 2022 08:51 pm

Tgt Ion: 96 Resp: 51

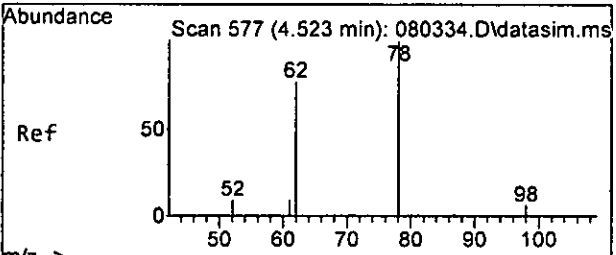
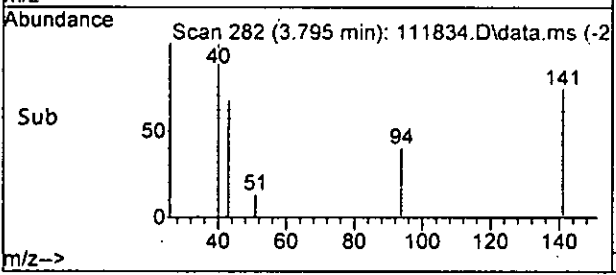
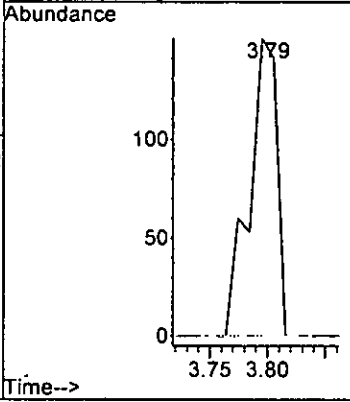
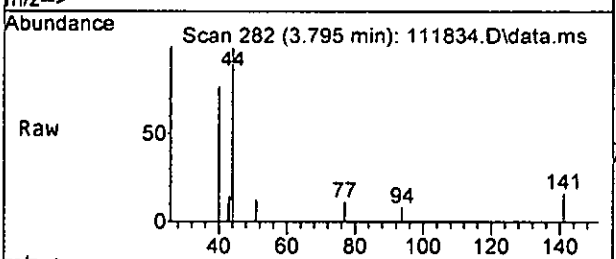
Ion	Ratio	Lower	Upper
96	100		
61	75.9	78.7	138.7#
98	48.3	37.3	97.3





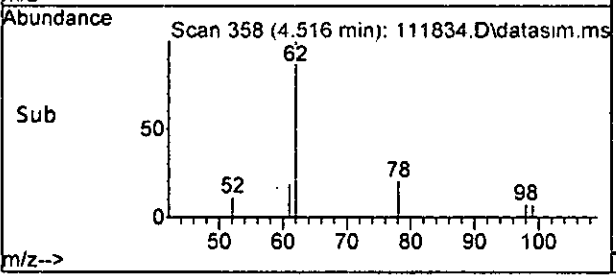
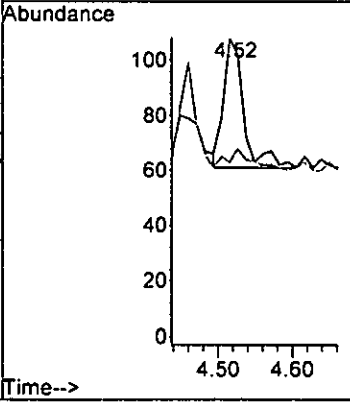
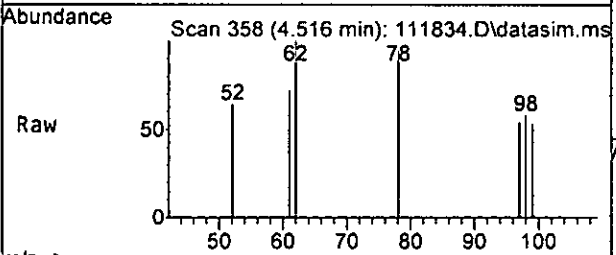
#24
 2-Butanone (MEK)
 Concen: Below Cal
 RT: 3.79 min Scan# 282
 Delta R.T. -0.000 min
 Lab File: 111834.D
 Acq: 18 Nov 2022 08:51 pm

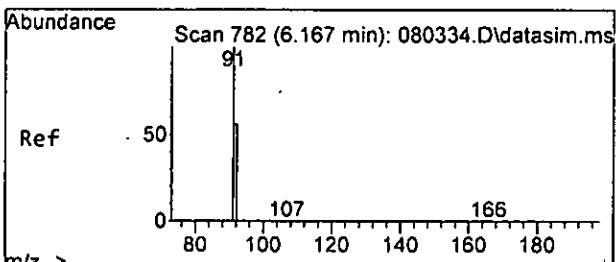
Tgt Ion	Resp	Lower	Upper
43	249		
43	100		
72	0.0	0.0	57.0
57	0.0	0.0	28.0



#26
 1,2-Dichloroethane (EDC)
 Concen: Below Cal
 RT: 4.52 min Scan# 358
 Delta R.T. -0.011 min
 Lab File: 111834.D
 Acq: 18 Nov 2022 08:51 pm

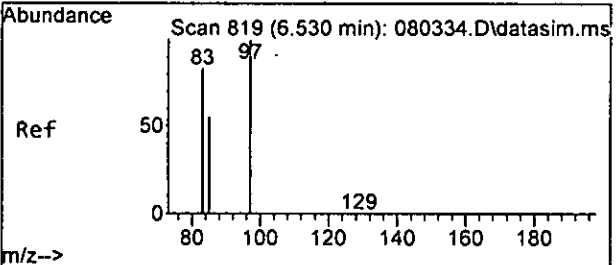
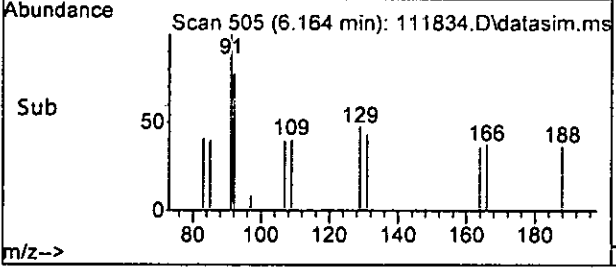
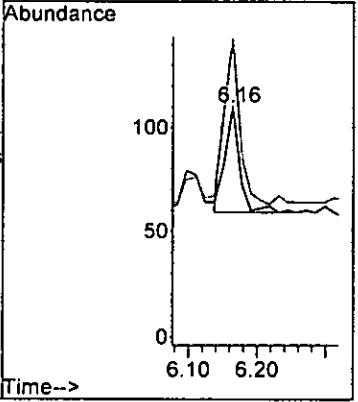
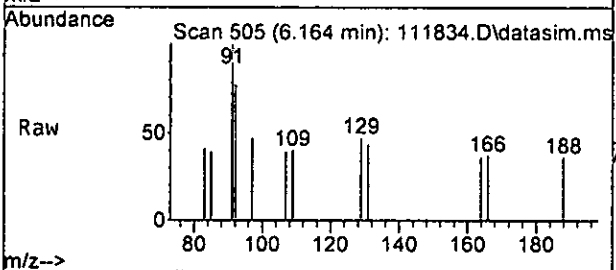
Tgt Ion	Resp	Lower	Upper
62	89		
62	100		
98	4.3	0.0	40.1





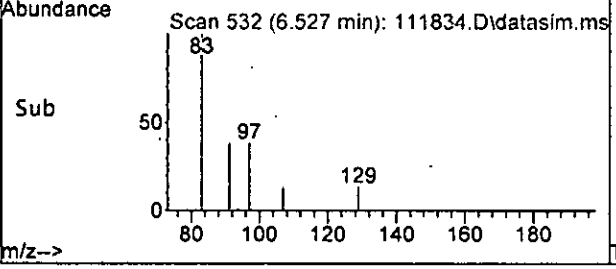
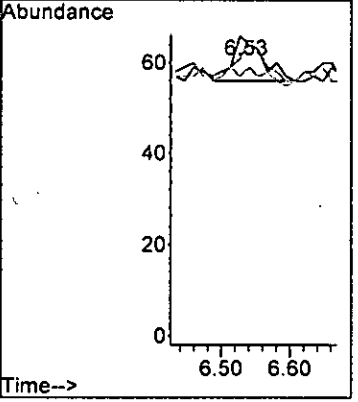
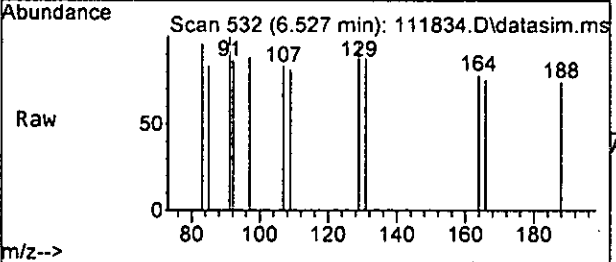
#40
 Toluene
 Concen: Below Cal
 RT: 6.16 min Scan# 505
 Delta R.T. -0.000 min
 Lab File: 111834.D
 Acq: 18 Nov 2022 08:51 pm

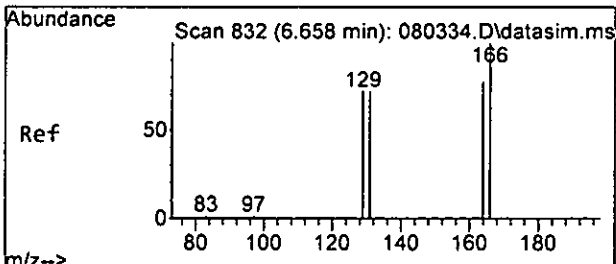
Tgt Ion:	Resp:	Lower	Upper
92	100		
91	154.9	148.5	208.5



#42
 1,1,2-Trichloroethane
 Concen: Below Cal
 RT: 6.53 min Scan# 532
 Delta R.T. -0.000 min
 Lab File: 111834.D
 Acq: 18 Nov 2022 08:51 pm

Tgt Ion:	Resp:	Lower	Upper
83	100		
97	50.0	88.0	148.0#
85	10.0	35.3	95.3#

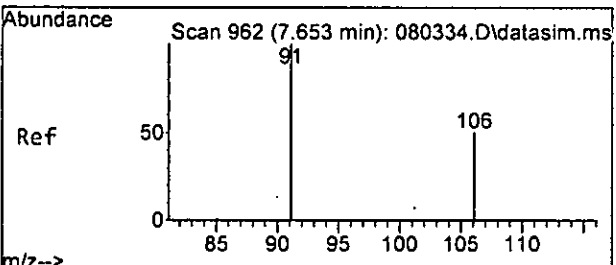
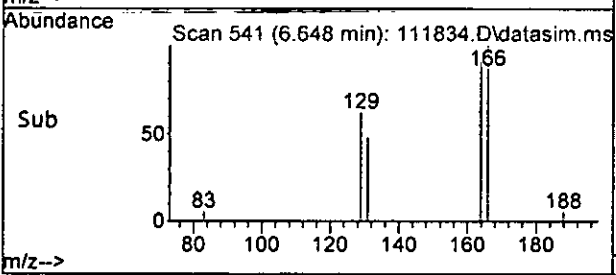
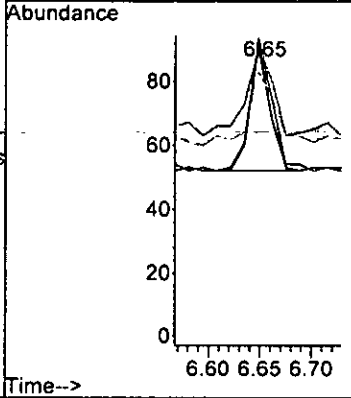
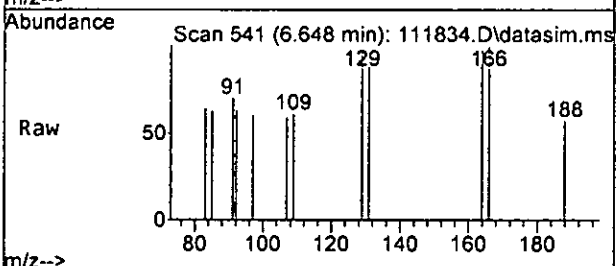




#45
 Tetrachloroethene
 Concen: Below Cal
 RT: 6.65 min Scan# 541
 Delta R.T. -0.000 min
 Lab File: 111834.D
 Acq: 18 Nov 2022 08:51 pm

Tgt Ion:164 Resp: 52

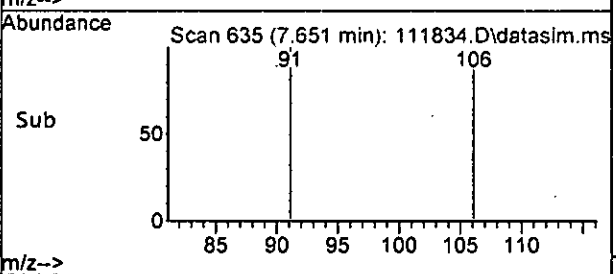
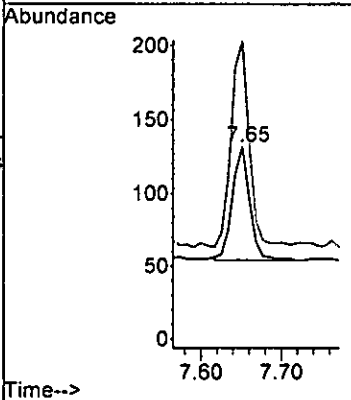
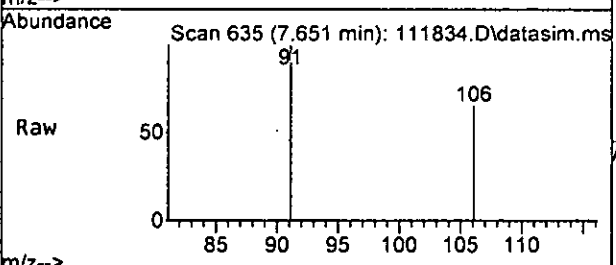
Ion	Ratio	Lower	Upper
164	100		
129	69.2	72.1	132.1#
131	51.3	64.8	124.8#
166	107.7	90.0	150.0

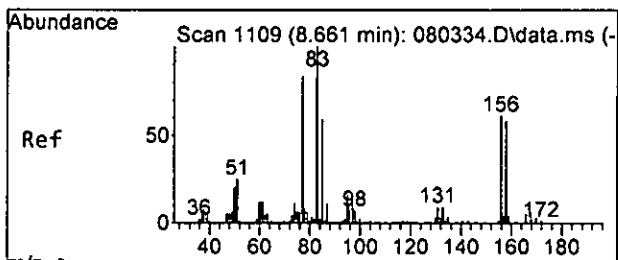


#51
 m,p-Xylene
 Concen: 0.022 ppb
 RT: 7.65 min Scan# 635
 Delta R.T. 0.000 min
 Lab File: 111834.D
 Acq: 18 Nov 2022 08:51 pm

Tgt Ion:106 Resp: 117

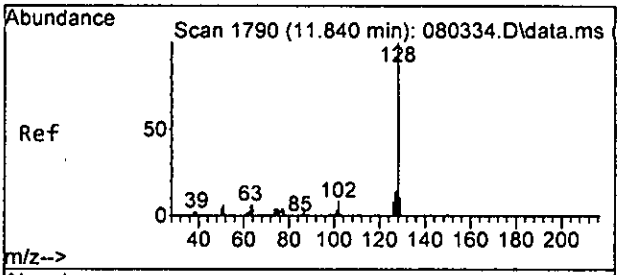
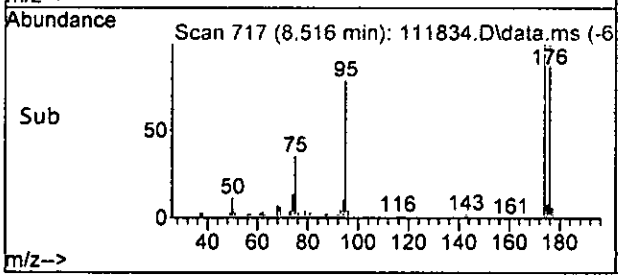
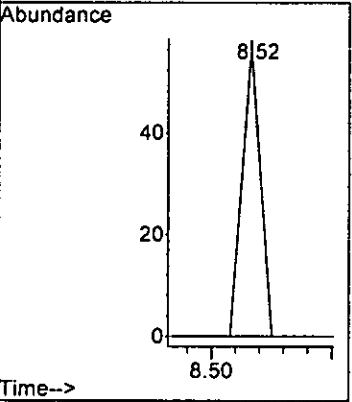
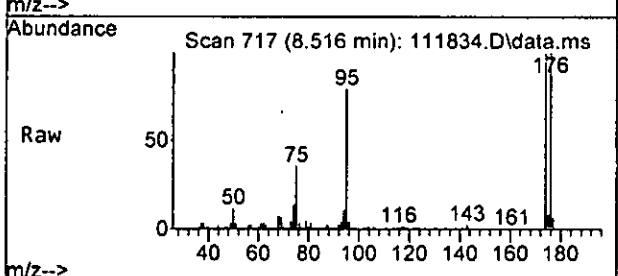
Ion	Ratio	Lower	Upper
106	100		
91	179.5	175.7	235.7





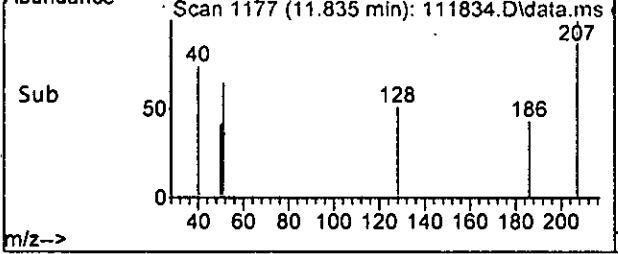
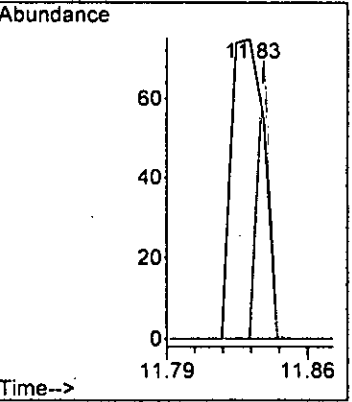
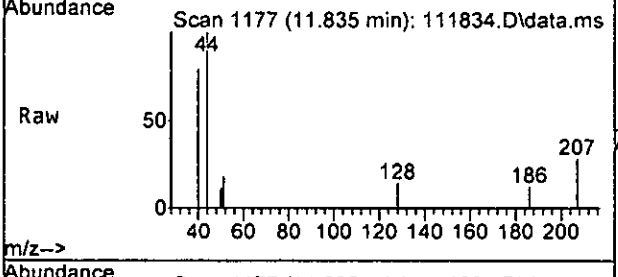
#61
 1,1,2,2-Tetrachloroethane
 Concen: Below Cal
 RT: 8.52 min Scan# 717
 Delta R.T. -0.139 min
 Lab File: 111834.D
 Acq: 18 Nov 2022 08:51 pm

Tgt Ion	Resp	Lower	Upper
83	100		
131	101.8	0.0	40.8#
85	0.0	36.2	96.2#



#75
 Naphthalene
 Concen: 0.087 ppb
 RT: 11.83 min Scan# 1177
 Delta R.T. -0.000 min
 Lab File: 111834.D
 Acq: 18 Nov 2022 08:51 pm

Tgt Ion	Resp	Lower	Upper
128	100		
129	0.0	0.0	40.8
127	0.0	0.0	43.1



Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111834.D
 Acq On : 18 Nov 2022 08:51 pm
 Operator : LM
 Sample : 211213-07
 Misc : water
 ALS Vial : 27 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 10:33:55 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.73	96	95999	10.000	ppb	-0.01
39) Chlorobenzene-d5	7.40	117	88611	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	52081	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.17	113	33874	11.003	ppb	0.00
Spiked Amount	10.000	Range	50 - 150	Recovery	=	110.00%
30) 1,2-Dichloroethane-d4	4.45	102	6470	10.845	ppb	0.00
Spiked Amount	10.000	Range	71 - 132	Recovery	=	108.40%
35) Toluene-d8	6.11	98	93649	10.229	ppb	0.00
Spiked Amount	10.000	Range	68 - 139	Recovery	=	102.30%
57) 4-Bromofluorobenzene	8.51	95	36142	10.071	ppb	0.00
Spiked Amount	10.000	Range	62 - 136	Recovery	=	100.70%
Target Compounds						
2) Ethanol	2.33	45	149	No Calib		Qvalue
4) Dichlorodifluoromethane	0.00		0	N.D.		
5) Chloromethane	1.25	50	1612	N.D.		
6) Vinyl chloride	0.00		0	N.D. d		
7) Bromomethane	0.00		0	N.D.		
8) Chloroethane	0.00		0	N.D.		
9) Trichlorofluoromethane	1.85	101	34	N.D.		
10) 2-Propanol	2.33	45	149	No Calib	#	
11) Acetone	2.33	58	237	Below Cal	#	37
12) 1,1-Dichloroethene	0.00		0	N.D. d		
13) Hexane	3.16	57	85	N.D.		
14) Methylene chloride	2.68	84	11638	3.324	ppb	93
15) t-Butyl alcohol (TBA)	0.00		0	N.D.		
16) Methyl t-butyl ether (...)	0.00		0	N.D.		
17] trans-1,2-Dichloroethene	2.92	96	51	0.017	ppb	# 72
18) Diisopropyl ether (DIPE)	0.00		0	N.D.		
19) 1,1-Dichloroethane	0.00		0	N.D.		
20) Ethyl t-butyl ether (E...)	0.00		0	N.D.		
21) 2,2-Dichloropropane	3.75	77	131	N.D.		
22) cis-1,2-Dichloroethene	0.00		0	N.D.		
23) Chloroform	0.00		0	N.D.		
24) 2-Butanone (MEK)	3.79	43	249	Below Cal		55
25) t-Amyl methyl ether (T...)	0.00		0	N.D.		
26] 1,2-Dichloroethane (EDC)	4.52	62	89	Below Cal		84
27) 1,1,1-Trichloroethane	0.00		0	N.D.		
28) 1,1-Dichloropropene	0.00		0	N.D.		
29) Carbon tetrachloride	0.00		0	N.D.		
31) Benzene	4.50	78	52	N.D.		
32) Trichloroethene	0.00		0	N.D. d		
33) 1,2-Dichloropropane	5.26	63	64	N.D.		
34) Bromodichloromethane	0.00		0	N.D.		
36) Dibromomethane	0.00		0	N.D.		

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111834.D
 Acq On : 18 Nov 2022 08:51 pm
 Operator : LM
 Sample : 211213-07
 Misc : water
 ALS Vial : 27 Sample Multiplier: 1
 InstName : GCMS13

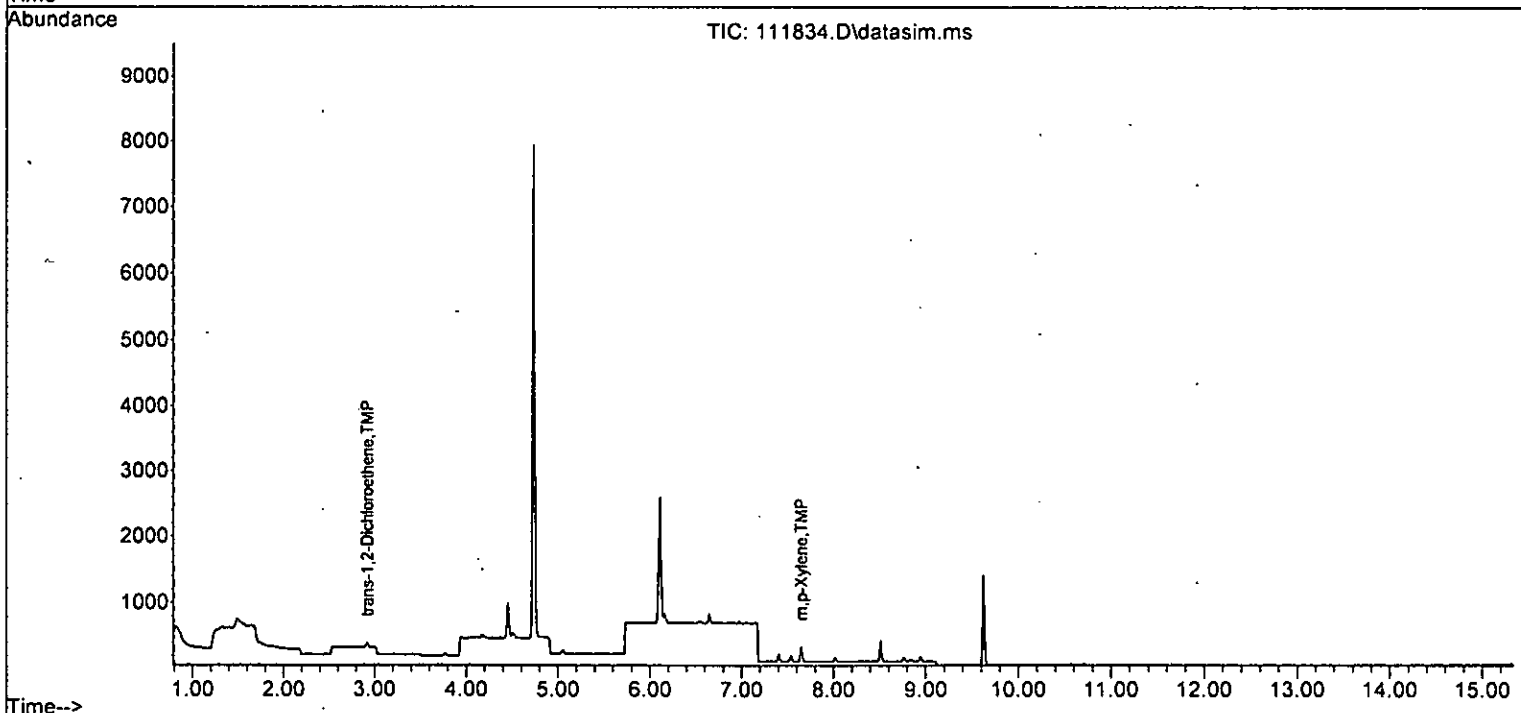
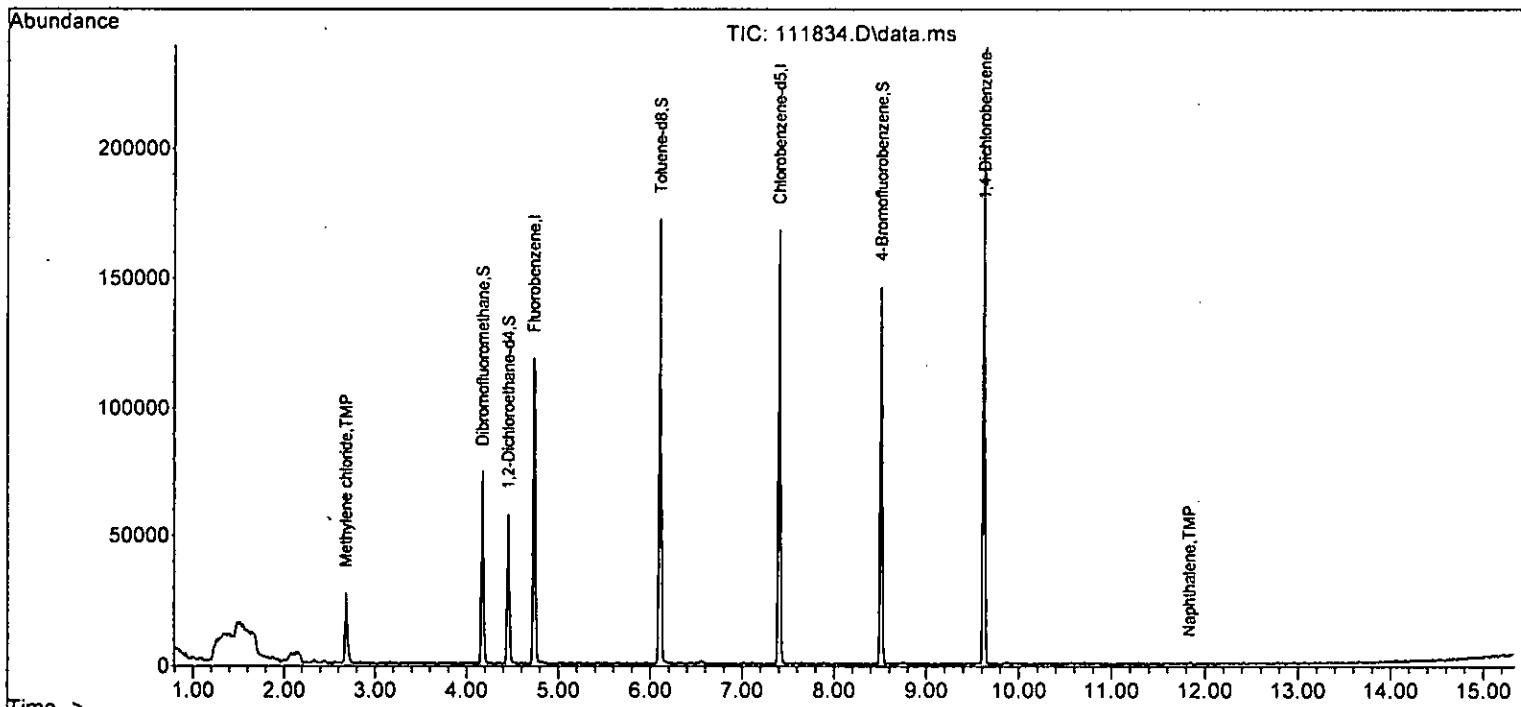
Quant Time: Nov 21 10:33:55 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.00		0		N.D.	
38) cis-1,3-Dichloropropene	0.00		0		N.D.	
40] Toluene	6.16	92	76	Below Cal		83
41) trans-1,3-Dichloropropene	0.00		0		N.D.	
42] 1,1,2-Trichloroethane	6.53	83	30	Below Cal	#	35
43) 2-Hexanone	6.79	43	129		N.D.	
44) 1,3-Dichloropropane	0.00		0		N.D.	
45] Tetrachloroethene	6.65	164	52	Below Cal	#	72
46) Dibromochloromethane	0.00		0		N.D.	
47) 1,2-Dibromoethane (EDB)	0.00		0		N.D.	
48) Chlorobenzene	0.00		0		N.D.	
49) Ethylbenzene	7.54	91	105		N.D.	
50) 1,1,1,2-Tetrachloroethane	0.00		0		N.D.	
51] m,p-Xylene	7.65	106	117	0.022	ppb	83
52) o-Xylene	8.02	106	40		N.D.	
53) Styrene	0.00		0		N.D.	
54) Isopropylbenzene	8.37	105	53		N.D.	
55) Bromoform	0.00		0		N.D.	
58) n-Propylbenzene	8.76	91	98		N.D.	
59) Bromobenzene	0.00		0		N.D.	
60) 1,3,5-Trimethylbenzene	0.00		0		N.D.	
61) 1,1,2,2-Tetrachloroethane	8.52	83	29	Below Cal	#	1
62) 1,2,3-Trichloropropane	0.00		0		N.D. d	
63) 2-Chlorotoluene	8.84	91	27		N.D.	
64) 4-Chlorotoluene	8.95	91	103		N.D.	
65) tert-Butylbenzene	0.00		0		N.D.	
66) 1,2,4-Trimethylbenzene	9.31	105	47		N.D.	
67) sec-Butylbenzene	9.46	105	49		N.D.	
68) p-Isopropyltoluene	9.60	119	146		N.D.	
69) 1,3-Dichlorobenzene	9.55	146	53		N.D.	
70) 1,4-Dichlorobenzene	9.64	146	73		N.D.	
71) 1,2-Dichlorobenzene	0.00		0		N.D.	
72) 1,2-Dibromo-3-chloropr...	0.00		0		N.D.	
73) 1,2,4-Trichlorobenzene	11.59	180	41		N.D.	
74) Hexachlorobutadiene	0.00		0		N.D.	
75) Naphthalene	11.83	128	85	0.087	ppb	69
76) 1,2,3-Trichlorobenzene	0.00		0		N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111834.D
 Acq On : 18 Nov 2022 08:51 pm
 Operator : LM
 Sample : 211213-07
 Misc : water
 ALS Vial : 27 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 10:33:55 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



F&B Project 211237

Chain of Custody, Shipping & Receiving Documents, Sample Condition Checklist

Jennifer Marsala 211233
 Report To labdataattach@anchorqa.com

Company Anchor QEA

Address 1201 3rd Ave #2600

City, State, ZIP Seattle, WA 98101

Phone 206 267 1112 Email labdataattach@anchorqa.com

SAMPLERS (signature) [Signature]

PROJECT NAME CARSON CLEANERS RI

PO # 212250-01.01

REMARKS See APP, sort hold time

INVOICE TO labdataattach@anchorqa.com

Project specific RI's? - Yes / No

Page # 1 of 1

TURNAROUND TIME

Standard turnaround

RUSH

Rush charges authorized by: _____

SAMPLE DISPOSAL

Archive samples

Other _____

Default: Dispose after 30 days

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	ANALYSES REQUESTED							Notes		
						NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082		Total Solids	
CG-MW-2D-SO-60-20221116	DIA-E	11/16/22	1020	SO	5				X						
CC-11W-6-SO-2.5-20221116	02	11/16/22	0930		1										
CC-11W-2D-SO-63-20221116	03		1030		1										
CC-11W-2D-SO-69-20221116	04		1055		1										
CC-11W-3-2.5-20221116	05		1050		1										
TB	06 A-B			H2O	2			X							IMP Bient
CG-MW-2D-SO-71-20221116	07 A-E		1145	SO	5										
CG-MW-2D-SO-78-20221116	08		1155	SO	5										

SIGNATURE		PRINT NAME		COMPANY		DATE	TIME
Relinquished by: <u>[Signature]</u>		Nina MAS		Anchor QEA		11/16/22	1226
Received by: <u>[Signature]</u>		ANNA WUB		EQB		11/16/22	1226
Relinquished by:							
Received by:				Samples received at		3	00

Friedman & Bruya, Inc.
 Ph. (206) 285-8282

SAMPLE CONDITION UPON RECEIPT CHECKLIST

PROJECT # 211237 CLIENT Anchor INITIALS/DATE: AWB/llp

If custody seals are present on cooler, are they intact? NA YES NO

Cooler/Sample temperature 3 °C

Were samples received on ice/cold packs? YES NO

How did samples arrive? Over the Counter
 Picked up by F&BI
 FedEx/UPS/GSO

Number of days samples have been sitting prior to receipt at laboratory 0 days

Is there a Chain-of-Custody* (COC)? YES NO
*or other representative documents, letters, and/or shipping memos

Are the samples clearly identified? (explain "no" answer below) YES NO

Is the following information provided on the COC* ? (explain "no" answer below)

Sample ID's	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	# of Containers	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Date Sampled	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Relinquished	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Time Sampled	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Requested analysis	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No

Were all sample containers received intact (i.e. not broken, leaking etc.)? (explain "no" answer below) YES NO

Were appropriate sample containers used? YES NO Unknown

If custody seals are present on samples, are they intact? NA YES NO

Are samples requiring no headspace, headspace free? NA YES NO

Air Samples: Were any additional canisters received? NA YES NO

If Yes, number of unused 1L canisters _____
 number of unused 6L canisters _____

Explain "no" items from above (use the back if needed)

Percent Solids

8260

Sample ID	Solids	Solids Ratio	Moisture	% Moisture	Last Weighing
211237-01	0.93	1.08	0.07	7	11/29/2022
211237-02	0.86	1.16	0.14	14	11/29/2022
211237-03	0.92	1.09	0.08	8	11/29/2022
211237-04	0.94	1.06	0.06	6	11/29/2022
211237-05	0.91	1.10	0.09	9	11/29/2022
211237-07	0.88	1.14	0.12	12	11/29/2022
211237-08	0.91	1.10	0.09	9	11/29/2022

Laboratory Worksheets

VOC EXTRACTION WORKSHEET (SOIL)

HT _____

Project #: 211237
 Client: Anchor
 QC Batch ID: 02.2753
 Samples checked against COC IRM

Date Received: 11/16
 Date Extracted: NOV 18 '22 PM 12:44
 Date Analyzed: _____
 GCMS R4 11 A13, Seq. Date _____

Analysis Method: <input checked="" type="checkbox"/> 8260 <input type="checkbox"/> 8260 SIM <input type="checkbox"/> 8260 Direct Sparge <input type="checkbox"/> Other _____ Due Date: <u>11/24</u>	Requested Analytes: <input checked="" type="checkbox"/> 8260 Normal List <input type="checkbox"/> PCE+Daughters <input type="checkbox"/> RBDM VOCs <input type="checkbox"/> BTEX N <input type="checkbox"/> cVOCs <input type="checkbox"/> BTEX <input checked="" type="checkbox"/> MTBE <input checked="" type="checkbox"/> Other _____	Reporting Units: <input checked="" type="checkbox"/> mg/kg (ppm) <input type="checkbox"/> Other _____ <input type="checkbox"/> ve's not Acceptable <input type="checkbox"/> Dilutions Not Acceptable for Non-Detects <input type="checkbox"/> Need EDF	Extraction Method: <input checked="" type="checkbox"/> 5035 <input type="checkbox"/> Other _____
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4X

Sample ID	Total Container Weight	Container Tare Weight	Sample Weight	Extraction Solvent Volume	Dilutions		Dilution Factor	Observations
					Amt. Extract	Amt. Solvent		
01	37.81	29.78	8.53	2.5mL	4/18 IRM 850 2.5mL	43mL		RL-
02	35.70	29.33	6.37	|	|	|		<0.005
03	36.07	29.47	6.60	|	|	|		|
04	37.32	29.51	7.81	|	|	|		|
05	38.35	29.41	8.94	|	|	|		|
07	39.37	29.27	10.10	5mL	|	|		|
08	36.38	29.21	7.17	2.5mL				EP 11/17
01 A MS			5g		2.5mL			
MSD								
OLA								ES for all
11/18/22 IRM								

Initials								
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	✓	Volume	Conc. (ppm)	Compound(s)	Lot #	Initials	Date
Solvent	<input checked="" type="checkbox"/>	NA	NA	Methanol	215-36	IRM	11/18/22
Other	<input type="checkbox"/>						
Internal Standard(s)/ Surrogate(s)	<input type="checkbox"/>	100 µl	250	Surrogate mix			
	<input checked="" type="checkbox"/>	10 ppm Surr/IS Mix spiked at instr. to yield 10 ppb			67-148A		
	<input type="checkbox"/>	50 ppm Surr/IS Mix spiked at instr. to yield 10 ppb					

Project Leader Initials: JK

NOTES: No DW on soil - not detected
WEIGHED 11/22/22 IRM

Calculated by JK 11.28.22 Reviewed by 11/22/22 IRM

VOC EXTRACTION WORKSHEET (WATER)

HT _____

Project #: 211237
 Client: Anchov
 QC Batch ID: 2769
 Samples checked against COC ILM

Date Received: 11/16
 Date Extracted: NOV 18 '22 PM 7:16
 Date Analyzed: _____
 GCMS 4 11 13, Seq. Date _____

Analysis Method: <input checked="" type="checkbox"/> 8260 <input type="checkbox"/> 8260 SIM <input type="checkbox"/> 524.2 SIM <input type="checkbox"/> Other _____	Requested Analytes: <input checked="" type="checkbox"/> 8260 Normal List <input type="checkbox"/> MTBE <input type="checkbox"/> cVOCs <input checked="" type="checkbox"/> PCE/Daughters	Reporting Units: <input checked="" type="checkbox"/> µg/L (ppb) <input type="checkbox"/> Other _____	Extraction Method: <input checked="" type="checkbox"/> 5030
Due Date: <u>11/24</u>	<input type="checkbox"/> ve's not Acceptable <input type="checkbox"/> Dilutions Not Acceptable for Non-Detects <input type="checkbox"/> Need EDF		

Sample ID	pH	Sample Volume (mL)	Final Volume (mL)	Dilutions		Dilution Factor	Foamy Sample	Observations
				Amt. Extract	Amt. Solvent			
<u>06 A</u>	<u>6.7</u>	<u>ILM for LM</u>			<u>1</u>	<u>mL</u>		<u>BL-PCE</u>
<u>11/18/22 ILM</u>								<u>TL</u>
								<u>CIS/TRANS DCE</u>
								<u>-0.05 µg/L</u>
								<u>VL - 0.02 µg/L</u>
								<u>EF</u>
								<u>u/L</u>

Initials _____

	✓	Volume	Conc. (ppm)	Compound(s)	Lot #	Initials	Date
Solvent		NA	NA	DI Water			
Other							
Internal Standard(s)/ Surrogate(s)		100 µl	250	Surrogate mix			
	<input checked="" type="checkbox"/>	10 ppm Surr/IS Mix spiked at instr. to yield 10 ppb			<u>67-143A</u>	<u>ILM</u>	<u>11/18/22</u>
		25 ppm Surr/IS Mix spiked at instr. to yield 5 ppb					

Project Leader Initials: ML NOTES: Ⓟ

Calculated by m 11.21.22 Reviewed by 11/22/22 ILM

BATCH ORGANIC EXTRACTION WORKSHEET

Date Extracted: 11/18/22 12:29

Technician: DM

QA Batch: **02-2753**

NOV 18 '22 PM 12:29

Matrix	Solvent	Analysis	
<input checked="" type="checkbox"/> Soil	<input type="checkbox"/> Methylene Chloride	<input type="checkbox"/> Diesel	<input type="checkbox"/> 8270 SIM <input type="checkbox"/> PCB
<input type="checkbox"/> Water	<input type="checkbox"/> Acetone	<input type="checkbox"/> Gas/BTEX	<input type="checkbox"/> 8270 <input type="checkbox"/> Organic Lead
<input type="checkbox"/> Product	<input checked="" type="checkbox"/> Methanol	<input type="checkbox"/> HCID	<input checked="" type="checkbox"/> 8260 <input type="checkbox"/> Methamphetamine
<input type="checkbox"/> Wipe	<input type="checkbox"/> Hexane		<input type="checkbox"/> Other _____
<input type="checkbox"/> Other _____	<input type="checkbox"/> Other _____	Clean Up: <input type="checkbox"/> Florsil (FL) <input type="checkbox"/> Copper (Cu)	
		<input type="checkbox"/> Silica <input type="checkbox"/> Filtration <input type="checkbox"/> H ₂ SO ₄ <input type="checkbox"/> Other	

Solvent Lot # 725-36

Sample ID	pH Waters only	Sample Weight/Volume	Extraction Solvent Volume	Final Volume	Dilutions		Clean Up (Circle)			Observations
					Amt. Extract	Amt. Solvent	Silica	FL Filter	Cu H ₂ SO ₄	
MB		5g	2.5mL		215µL	43mL				
LC5										
211237 -01	MS									
L	MS									
MB 11.25					80µL					
11/18/22 DM										

Initials

Samples in Batch

211239	-01		-05		-09		-03	L	-08
	-02		-06	L	-10		-04		
	-03		-07	211237	-01		-05		
	-04		-08		-02		-07		

Matrix Spikes: 100 µL of 50 ppm of 8260 CW/LC5 Analytes and Solvent Lot # 67-192A Date/Initials 11/18/22 DM

Matrix Spikes: _____ µL of _____ ppm of _____ Analytes and Solvent Lot # _____

Surrogates: 1 µL of 50 ppm of 8260 IS/SUR Analytes and Solvent Lot # 67-29A

Internal Standards: _____ µL of _____ ppm of _____ Analytes and Solvent Lot # _____

Notes:

BATCH ORGANIC EXTRACTION WORKSHEET

Date Extracted: 11-18-22

Technician: W

QA Batch: **02-2769**

Matrix

- Soil
- Water
- Product
- Wipe
- Other

Solvent

- Methylene Chloride
- Acetone
- Methanol
- Hexane
- Other

Solvent Lot # _____

Analysis

- Diesel
- 8270 SIM
- PCB
- Gas/BTEX
- 8270
- Organic Lead
- HCID
- 8260
- Methamphetamine
- Other

Clean Up: Florsil (FL) Copper (Cu)

Silica Filtration H₂SO₄ Other

Sample ID	pH Waters only	Sample Weight/Volume	Extraction Solvent Volume	Final Volume	Dilutions		Clean Up (Circle)			Observations
					Amt. Extract	Amt. Solvent	Silica	FL	Cu	
LCS		43	43							
LCS D										
211200-12 MS										
MS D										
MS										
W 11/18/22										

Initials

Samples in Batch

211273-01	211245-01	1-31		03		07
211237-06	211200-12	1-25		04		08
211213-07	1-21	211254-01		05		09
211241-01	1-24	1-02		06		10

Date/Initials

Matrix Spikes:

8.6 µL of 50 ppm of 8200 LCS/MS Analytes and Solvent

Lot # 67.192 W 11/18

Matrix Spikes:

_____ µL of _____ ppm of _____ Analytes and Solvent

Lot # _____

Surrogates:

5 µL of 10 ppm of 8200 LCS/MS Analytes and Solvent

Lot # 67.148

Internal Standards:

_____ µL of _____ ppm of _____ Analytes and Solvent

Lot # _____

Notes:

EPA 8260D
MDLs

Reported MDL Data and Calculations

Analyst fill in all below (attach extraction worksheet(s))

Analysis: 8260 Standard(s) spiked: 63-150A, 64-93A, 65-52A, 65-56A, 65-90A
 Matrix: Soil Volume spiked: 2.5uL into 2.5mL MeOH, 25uL into 2.475mL MeOH
 Instrument ID: GCMS #4 Date(s) Extracted: 06/04/21, 06/08/21, 08/30/21, 08/31/21, 12/06/22, 12/09/21,
 Reporting Units: mg/kg Date(s) Analyzed: 06/04/21, 06/08/21, 08/30/21, 08/31/21, 12/06/22, 12/09/21,
 Date Calculated: 6/9/2021, 09/24/21, 12/07/21, 12/10/21, 01/13/22, 03/30/21,
 Calculation Analyst: JCM, WE, AS, AEN, RF

Analyte	(StdDev*2.998)	(2*MDL)	(5*MDL)	Std Dev	Mean	Spike Level	% Rec.
	MDL	PQL	PQL				
Ethanol							
Dichlorodifluoromethane	0.105	0.210	0.526	0.035	0.144	0.250	57.575
Chloromethane	0.065	0.130	0.326	0.022	0.196	0.250	78.235
Vinyl chloride	0.017	0.034	0.086	0.006	0.018	0.025	71.950
Bromomethane	0.301	0.602	1.506	0.100	0.259	0.250	103.715
Chloroethane	0.074	0.149	0.372	0.025	0.246	0.250	98.465
Trichlorofluoromethane	0.024	0.048	0.120	0.008	0.026	0.025	105.029
2-Propanol							
Acetone	1.254	2.507	6.268	0.418	1.058	1.250	84.653
1,1-Dichloroethene	0.019	0.038	0.096	0.006	0.023	0.025	91.650
Hexane	0.126	0.251	0.628	0.042	0.260	0.250	103.885
Methylene chloride	0.338	0.676	1.690	0.113	0.326	0.250	130.305
t-Butyl alcohol (TBA)	0.492	0.984	2.460	0.164	1.316	1.250	105.265
Methyl t-butyl ether (MTBE)	0.018	0.036	0.089	0.006	0.023	0.025	91.050
trans-1,2-Dichloroethene	0.010	0.020	0.049	0.003	0.025	0.025	99.400
Diisopropyl ether (DIPE)	0.007	0.014	0.035	0.002	0.025	0.025	100.450
1,1-Dichloroethane	0.011	0.021	0.053	0.004	0.025	0.025	99.350
Ethyl t-butyl ether (ETBE)	0.010	0.020	0.049	0.003	0.024	0.025	97.257
2,2-Dichloropropane	0.015	0.029	0.074	0.005	0.028	0.025	112.200
cis-1,2-Dichloroethene	0.011	0.022	0.056	0.004	0.026	0.025	103.300
Chloroform	0.013	0.026	0.065	0.004	0.027	0.025	106.500
2-Butanone (MEK)	0.647	1.295	3.237	0.216	1.101	1.250	88.093
t-Amyl methyl ether (TAME)	0.010	0.019	0.048	0.003	0.025	0.025	101.371
1,2-Dichloroethane (EDC)	0.014	0.029	0.072	0.005	0.027	0.025	107.900
1,1,1-Trichloroethane	0.011	0.021	0.053	0.004	0.026	0.025	102.600
1,1-Dichloropropene	0.011	0.022	0.054	0.004	0.025	0.025	98.050
Carbon tetrachloride	0.005	0.010	0.025	0.002	0.023	0.025	92.286
Benzene	0.009	0.019	0.046	0.003	0.027	0.025	106.950
Trichloroethene	0.013	0.025	0.063	0.004	0.025	0.025	100.200
1,2-Dichloropropane	0.008	0.015	0.038	0.003	0.026	0.025	103.900
Bromodichloromethane	0.008	0.015	0.038	0.003	0.026	0.025	103.500
Dibromomethane	0.013	0.025	0.063	0.004	0.023	0.025	93.350
4-Methyl-2-pentanone	0.061	0.121	0.303	0.020	0.135	0.125	108.217
cis-1,3-Dichloropropene	0.008	0.017	0.042	0.003	0.025	0.025	99.900
Toluene	0.009	0.019	0.046	0.003	0.025	0.025	101.500
trans-1,3-Dichloropropene	0.010	0.021	0.052	0.003	0.025	0.025	101.886
1,1,2-Trichloroethane	0.005	0.009	0.023	0.002	0.025	0.025	98.900
2-Hexanone	0.036	0.072	0.180	0.012	0.127	0.125	101.954
1,3-Dichloropropane	0.009	0.019	0.047	0.003	0.025	0.025	101.350
Tetrachloroethene	0.010	0.020	0.050	0.003	0.027	0.025	106.400
Dibromochloromethane	0.014	0.027	0.068	0.005	0.021	0.025	85.943
1,2-Dibromoethane (EDB)	0.008	0.016	0.040	0.003	0.024	0.025	97.800
Chlorobenzene	0.007	0.015	0.037	0.002	0.026	0.025	104.100
Ethylbenzene	0.010	0.020	0.049	0.003	0.026	0.025	105.050
1,1,1,2-Tetrachloroethane	0.007	0.015	0.037	0.002	0.024	0.025	96.629
m,p-Xylene	0.019	0.039	0.097	0.006	0.053	0.050	106.857
o-Xylene	0.011	0.022	0.056	0.004	0.025	0.025	101.100
Styrene	0.010	0.020	0.049	0.003	0.025	0.025	100.000
Isopropylbenzene	0.009	0.018	0.044	0.003	0.026	0.025	103.150
Bromoform	0.015	0.031	0.077	0.005	0.024	0.025	97.886
n-Propylbenzene	0.013	0.026	0.066	0.004	0.026	0.025	104.200
Bromobenzene	0.012	0.025	0.062	0.004	0.025	0.025	101.100
1,3,5-Trimethylbenzene	0.011	0.022	0.055	0.004	0.026	0.025	102.700
1,1,1,2-Tetrachloroethane	0.011	0.023	0.057	0.004	0.026	0.025	104.100
1,2,3-Trichloropropane	0.009	0.019	0.046	0.003	0.025	0.025	99.350
2-Chlorotoluene	0.012	0.024	0.060	0.004	0.026	0.025	102.600
4-Chlorotoluene	0.011	0.021	0.053	0.004	0.026	0.025	104.650
tert-Butylbenzene	0.013	0.026	0.064	0.004	0.025	0.025	101.750
1,2,4-Trimethylbenzene	0.010	0.020	0.051	0.003	0.026	0.025	105.050
sec-Butylbenzene	0.010	0.020	0.049	0.003	0.026	0.025	104.800
p-Isopropyltoluene	0.011	0.023	0.056	0.004	0.027	0.025	106.250
1,3-Dichlorobenzene	0.012	0.023	0.058	0.004	0.026	0.025	104.400
1,4-Dichlorobenzene	0.012	0.023	0.058	0.004	0.027	0.025	107.900
1,2-Dichlorobenzene	0.012	0.025	0.062	0.004	0.026	0.025	102.850
1,2-Dibromo-3-chloropropane	0.016	0.033	0.082	0.005	0.020	0.025	81.680
1,2,4-Trichlorobenzene	0.013	0.027	0.067	0.004	0.026	0.025	105.429
Hexachlorobutadiene	0.016	0.031	0.078	0.005	0.028	0.025	112.686
Naphthalene	0.014	0.027	0.068	0.005	0.025	0.025	101.100
1,2,3-Trichlorobenzene	0.012	0.024	0.061	0.004	0.026	0.025	105.200

Reported MDL Data and Calculations

Analyst fill in all below (attach extraction worksheet(s))

Analysis: 8260 Standard(s) spiked: 63-150A, 63-166A, 65-52A, 65-56A
 Matrix: Soil Volume spiked: 1/2.5/25 uL into 5g sand and 2.5/2.5/2.475 mL MeOH
 Instrument ID: GCMS #13 Date(s) Extracted: 05/27/21, 05/28/21, 06/07/21, 06/08/21, 12/02/21, 12
 Reporting Units: mg/kg Date(s) Analyzed: 05/27/21, 05/28/21, 06/07/21, 06/08/21, 12/02/21, 12
 Date Calculated: 06/01/21, 06/09/21, 12/07/21, 12/10/21, 12/13/21
 Calculation Analyst: JCM, WE, AEN, AS

Analyte	(StdDev*2.998)	(2*MDL)	(5*MDL)	Std Dev	Mean	Spike Level	% Rec.
	MDL	PQL	PQL				
Ethanol							
Dichlorodifluoromethane	0.0104	0.021	0.052	0.003	0.014	0.025	55
Chloromethane	0.0193	0.039	0.096	0.006	0.020	0.025	79
Vinyl chloride	0.0019	0.004	0.009	0.001	0.004	0.005	86
Bromomethane	0.1564	0.313	0.782	0.052	0.247	0.250	99
Chloroethane	0.0193	0.039	0.096	0.006	0.025	0.025	101
Trichlorofluoromethane	0.0109	0.022	0.054	0.004	0.023	0.025	92
2-Propanol							
Acetone	0.8998	1.800	4.499	0.300	1.490	1.250	119
1,1-Dichloroethene	0.0013	0.003	0.007	0.000	0.005	0.005	96
Hexane	0.0243	0.049	0.122	0.008	0.020	0.025	80
Methylene chloride	0.2104	0.421	1.052	0.070	0.283	0.250	113
t-Butyl alcohol (TBA)	0.7124	1.425	3.562	0.238	1.355	1.250	108
Methyl t-butyl ether (MTBE)	0.0033	0.007	0.016	0.001	0.005	0.005	107
trans-1,2-Dichloroethene	0.0020	0.004	0.010	0.001	0.005	0.005	109
Diisopropyl ether (DIPE)	0.0033	0.007	0.017	0.001	0.011	0.010	110
1,1-Dichloroethane	0.0015	0.003	0.007	0.000	0.005	0.005	104
Ethyl t-butyl ether (ETBE)	0.0045	0.009	0.023	0.002	0.010	0.010	102
2,2-Dichloropropane	0.0091	0.018	0.045	0.003	0.011	0.010	112
cis-1,2-Dichloroethene	0.0015	0.003	0.007	0.000	0.005	0.005	107
Chloroform	0.0047	0.009	0.023	0.002	0.011	0.010	113
2-Butanone (MEK)	0.5683	1.137	2.842	0.190	1.343	1.250	107
t-Amyl methyl ether (TAME)	0.0045	0.009	0.022	0.001	0.011	0.010	108
1,2-Dichloroethane (EDC)	0.0028	0.006	0.014	0.001	0.011	0.010	111
1,1,1-Trichloroethane	0.0012	0.002	0.006	0.000	0.005	0.005	103
1,1-Dichloropropene	0.0138	0.028	0.069	0.005	0.025	0.025	99
Carbon tetrachloride	0.0054	0.011	0.027	0.002	0.009	0.010	92
Benzene	0.0013	0.003	0.006	0.000	0.005	0.005	102
Trichloroethene	0.0020	0.004	0.010	0.001	0.011	0.010	106
1,2-Dichloropropane	0.0182	0.036	0.091	0.006	0.010	0.010	102
Bromodichloromethane	0.0038	0.008	0.019	0.001	0.010	0.010	97
Dibromomethane	0.0050	0.010	0.025	0.002	0.013	0.010	125
4-Methyl-2-pentanone	0.5539	1.108	2.770	0.185	1.221	1.250	98
cis-1,3-Dichloropropene	0.0143	0.029	0.071	0.005	0.025	0.025	101
Toluene	0.0013	0.003	0.007	0.000	0.006	0.005	115
trans-1,3-Dichloropropene	0.0180	0.036	0.090	0.006	0.026	0.025	105
1,1,2-Trichloroethane	0.0015	0.003	0.007	0.000	0.005	0.005	104
2-Hexanone	0.1101	0.220	0.550	0.037	0.145	0.125	116
1,3-Dichloropropane	0.0127	0.025	0.064	0.004	0.026	0.025	103
Tetrachloroethene	0.0022	0.004	0.011	0.001	0.006	0.005	119
Dibromochloromethane	0.0146	0.029	0.073	0.005	0.024	0.025	97
1,2-Dibromoethane (EDB)	0.0017	0.003	0.009	0.001	0.010	0.010	103
Chlorobenzene	0.0028	0.006	0.014	0.001	0.011	0.010	114
Ethylbenzene	0.0010	0.002	0.005	0.000	0.005	0.005	106
1,1,1,2-Tetrachloroethane	0.0035	0.007	0.017	0.001	0.010	0.010	101
m,p-Xylene	0.0020	0.004	0.010	0.001	0.010	0.010	104
o-Xylene	0.0007	0.001	0.004	0.000	0.005	0.005	100
Styrene	0.0099	0.020	0.049	0.003	0.023	0.025	91
Isopropylbenzene	0.0104	0.021	0.052	0.003	0.024	0.025	96
Bromoform	0.0151	0.030	0.075	0.005	0.023	0.025	91
n-Propylbenzene	0.0024	0.005	0.012	0.001	0.011	0.010	112
Bromobenzene	0.0118	0.024	0.059	0.004	0.025	0.025	101
1,3,5-Trimethylbenzene	0.0034	0.007	0.017	0.001	0.011	0.010	108
1,1,1,2-Tetrachloroethane	0.0122	0.024	0.061	0.004	0.026	0.025	105
1,2,3-Trichloropropane	0.0188	0.038	0.094	0.006	0.029	0.025	115
2-Chlorotoluene	0.0020	0.004	0.010	0.001	0.011	0.010	112
4-Chlorotoluene	0.0034	0.007	0.017	0.001	0.012	0.010	120
tert-Butylbenzene	0.0029	0.006	0.014	0.001	0.010	0.010	104
1,2,4-Trimethylbenzene	0.0021	0.004	0.010	0.001	0.011	0.010	114
sec-Butylbenzene	0.0029	0.006	0.014	0.001	0.011	0.010	107
p-Isopropyltoluene	0.0027	0.005	0.013	0.001	0.011	0.010	107
1,3-Dichlorobenzene	0.0048	0.010	0.024	0.002	0.012	0.010	116
1,4-Dichlorobenzene	0.0035	0.007	0.018	0.001	0.013	0.010	127
1,2-Dichlorobenzene	0.0032	0.006	0.016	0.001	0.011	0.010	114
1,2-Dibromo-3-chloropropane	0.1257	0.251	0.629	0.042	0.255	0.250	102
1,2,4-Trichlorobenzene	0.0035	0.007	0.017	0.001	0.013	0.010	132
Hexachlorobutadiene	0.0046	0.009	0.023	0.002	0.012	0.010	123
Naphthalene	0.0070	0.014	0.035	0.002	0.013	0.010	126
1,2,3-Trichlorobenzene	0.0132	0.026	0.066	0.004	0.026	0.025	103

Reported MDL Data and Calculations

Analyst fill in all below (attach extraction worksheet(s))

Analysis: 8260 Standard(s) spiked: 63-4A, 63-4B, 63-4C, 63-26A, 63-26B, 63-26C
 Matrix: Water Volume spiked: 4.3 uL (A), 8.6 uL (B), 17.2/43 uL (C)
 Instrument ID: GCMS #13 Date(s) Extracted: 05/27/21, 05/28/21, 06/07/21, 06/08/21, 12/02/21, 12/08/21
 Reporting Units: ug/L Date(s) Analyzed: 05/27/21, 05/28/21, 06/07/21, 06/08/21, 12/02/21, 12/08/21
 Date Calculated: 06/01/21, 06/09/21, 12/07/21, 12/10/21, 4/6/2022, 04/11/22
 Calculation Analyst: JCM, WE, AEN, AS

Analyte	(StdDev*2.998)	(2*MDL)	(5*MDL)	Std Dev	Mean	Spike Level	% Rec.
	MDL	PQL	PQL				
Ethanol							
Dichlorodifluoromethane	0.152	0.305	0.762	0.051	0.200	0.2	100
Chloromethane	1.096	2.191	5.478	0.365	5.441	5	109
Vinyl chloride	0.017	0.035	0.087	0.006	0.025	0.02	124
Bromomethane	1.853	3.707	9.267	0.618	6.097	5	122
Chloroethane	0.220	0.439	1.098	0.073	0.246	0.2	123
Trichlorofluoromethane	0.063	0.126	0.316	0.021	0.245	0.2	122
2-Propanol							
Acetone	4.490	8.980	22.450	1.498	12.426	10	124
1,1-Dichloroethene	0.015	0.031	0.077	0.005	0.056	0.05	112
Hexane	0.197	0.395	0.986	0.066	0.192	0.2	96
Methylene chloride	1.769	3.539	8.847	0.590	6.045	5	121
t-Butyl alcohol (TBA)	7.967	15.934	39.836	2.657	24.852	25	99
Methyl t-butyl ether (MTBE)	0.054	0.109	0.272	0.018	0.061	0.05	121
trans-1,2-Dichloroethene	0.021	0.043	0.106	0.007	0.058	0.05	116
Diisopropyl ether (DIPE)	0.039	0.078	0.195	0.013	0.201	0.2	100
1,1-Dichloroethane	0.013	0.026	0.066	0.004	0.054	0.05	108
Ethyl t-butyl ether (ETBE)	0.028	0.057	0.142	0.009	0.198	0.2	99
2,2-Dichloropropane	0.188	0.376	0.939	0.063	0.255	0.2	128
cis-1,2-Dichloroethene	0.015	0.029	0.073	0.005	0.057	0.05	114
Chloroform	0.049	0.099	0.246	0.016	0.215	0.2	107
2-Butanone (MEK)	1.862	3.723	9.308	0.621	10.875	10	109
t-Amyl methyl ether (TAME)	0.049	0.098	0.245	0.016	0.210	0.2	105
1,2-Dichloroethane (EDC)	0.097	0.194	0.485	0.032	0.229	0.2	114
1,1,1-Trichloroethane	0.012	0.025	0.062	0.004	0.054	0.05	109
1,1-Dichloropropene	0.060	0.120	0.299	0.020	0.199	0.2	100
Carbon tetrachloride	0.110	0.220	0.550	0.037	0.199	0.2	99
Benzene	0.018	0.036	0.089	0.006	0.025	0.02	124
Trichloroethene	0.032	0.064	0.159	0.011	0.059	0.05	117
1,2-Dichloropropane	0.133	0.266	0.666	0.044	0.218	0.2	109
Bromodichloromethane	0.061	0.121	0.303	0.020	0.215	0.2	108
Dibromomethane	0.043	0.087	0.216	0.014	0.229	0.2	114
4-Methyl-2-pentanone	1.975	3.951	9.877	0.659	25.044	25	100
cis-1,3-Dichloropropene	0.060	0.119	0.298	0.020	0.214	0.2	107
Toluene	0.018	0.035	0.088	0.006	0.060	0.05	119
trans-1,3-Dichloropropene	0.088	0.176	0.441	0.029	0.213	0.2	106
1,1,2-Trichloroethane	0.118	0.237	0.592	0.040	0.230	0.2	115
2-Hexanone	1.094	2.188	5.470	0.365	11.949	10	119
1,3-Dichloropropane	0.059	0.118	0.296	0.020	0.213	0.2	107
Tetrachloroethene	0.023	0.046	0.114	0.008	0.064	0.05	127
Dibromochloromethane	0.051	0.102	0.256	0.017	0.212	0.2	106
1,2-Dibromoethane (EDB)	0.022	0.043	0.108	0.007	0.059	0.05	118
Chlorobenzene	0.042	0.085	0.212	0.014	0.221	0.2	110
Ethylbenzene	0.016	0.033	0.082	0.005	0.028	0.02	141
1,1,1,2-Tetrachloroethane	0.065	0.130	0.324	0.022	0.217	0.2	108
m,p-Xylene	0.030	0.060	0.149	0.010	0.056	0.04	141
o-Xylene	0.011	0.022	0.054	0.004	0.026	0.02	132
Styrene	0.048	0.095	0.239	0.016	0.192	0.2	96
Isopropylbenzene	0.011	0.023	0.057	0.004	0.200	0.2	100
Bromoform	0.091	0.183	0.457	0.030	0.219	0.2	110
n-Propylbenzene	0.027	0.054	0.135	0.009	0.207	0.2	103
Bromobenzene	0.057	0.114	0.286	0.019	0.211	0.2	106
1,3,5-Trimethylbenzene	0.017	0.034	0.084	0.006	0.205	0.2	103
1,1,2,2-Tetrachloroethane	0.062	0.123	0.308	0.021	0.222	0.2	111
1,2,3-Trichloropropane	0.111	0.223	0.556	0.037	0.242	0.2	121
2-Chlorotoluene	0.039	0.078	0.194	0.013	0.210	0.2	105
4-Chlorotoluene	0.033	0.065	0.163	0.011	0.207	0.2	103
tert-Butylbenzene	0.021	0.042	0.106	0.007	0.201	0.2	100
1,2,4-Trimethylbenzene	0.039	0.079	0.197	0.013	0.204	0.2	102
sec-Butylbenzene	0.031	0.062	0.156	0.010	0.205	0.2	103
p-Isopropyltoluene	0.042	0.084	0.210	0.014	0.195	0.2	97
1,3-Dichlorobenzene	0.052	0.104	0.261	0.017	0.217	0.2	108
1,4-Dichlorobenzene	0.040	0.079	0.198	0.013	0.223	0.2	112
1,2-Dichlorobenzene	0.038	0.077	0.191	0.013	0.212	0.2	106
1,2-Dibromo-3-chloropropane	0.999	1.997	4.994	0.333	4.836	5	97
1,2,4-Trichlorobenzene	0.053	0.105	0.263	0.018	0.218	0.2	109
Hexachlorobutadiene	0.115	0.230	0.576	0.038	0.224	0.2	112
Naphthalene	0.111	0.222	0.555	0.037	0.227	0.2	113
1,2,3-Trichlorobenzene	0.036	0.071	0.178	0.012	0.225	0.2	113

EPA 8260D
Sequence Tables

Sequence Name: C:\GCMS4\Sequences\11-08-22.s

Comment:

Operator: LM

Data Path: D:\GCMS4\GCMS4_DATA\11-08-22\

Instrument Control Pre-Seq Cmd:

Data Analysis Pre-Seq Cmd:

Instrument Control Post-Seq Cmd:

Data Analysis Post-Seq Cmd:

Method Sections To Run

Full Method

Reprocessing Only

Sequence Barcode Options

On Mismatch, Inject Anyway

On Mismatch, Don't Inject

Barcode Disabled

11/9

Line	Sample Name/Misc Info
1) Sample	1 110801 8260VM1 50 ng BFB 67-152a
2) Sample	2 110802 8260VM1 rinse
3) Sample	3 110803 8260VM1 0.2 ppb 8260 ICAL 67-177I
4) Sample	4 110804 8260VM1 0.5 ppb 8260 ICAL 67-177J
5) Sample	5 110805 8260VM1 1 ppb 8260 ICAL 67-177K
6) Sample	100 110806 8260VM1 50 ng BFB 67-152A
7) Sample	5 110807 8260VM1 rinse
8) Sample	6 110808 8260VM1 0.2 ppb 8260 ICAL 67-177I
9) Sample	7 110809 8260VM1 0.5 ppb 8260 ICAL 67-177J
10) Sample	8 110810 8260VM1 1 ppb 8260 ICAL 67-177K
11) Sample	9 110811 8260VM1 2 ppb 8260 ICAL 67-177L
12) Sample	10 110812 8260VM1 5 ppb 8260 ICAL 67-177M
13) Sample	11 110813 8260VM1 10 ppb 8260 ICAL 67-177N
14) Sample	12 110814 8260VM1 20 ppb 8260 ICAL 67-177O
15) Sample	13 110815 8260VM1 50 ppb 8260 ICAL 67-177Q
16) Sample	14 110816 8260VM1 100 ppb 8260 ICAL 67-177S
17) Sample	15 110817 8260VM1 150 ppb 8260 ICAL 67-177T
18) Sample	16 110818 8260VM1 200 ppb 8260 ICAL 67-177U
19) Sample	17 110819 8260VM1 rinse vial
20) Sample	18 110820 8260VM1 10 ppb 8260 SCV 67-155c
21) Sample	19 110821 8260VM1 rinse

Injection Log

Data Directory: S:\Proc_GCMS4\11-08-22\

SampleName	MiscInfo	Vial	Multiplier	Injection Time
1) 110801.D 50 ng BFB 67-152a	soil 8260VM1.M	1	1.000	8 Nov 2022 7:10 am
2) 110802.D rinse	soil 8260VM1.M	2	1.000	8 Nov 2022 8:21 am
3) 110803.D 0.2 ppb 8260 ICAL ..	soil 8260VM1.M	3	1.000	8 Nov 2022 8:45 am
4) 110804.D 0.5 ppb 8260 ICAL ..	soil 8260VM1.M	4	1.000	8 Nov 2022 9:09 am
5) 110806.D 50 ng BFB 67-152A	direct inject 8260VM1.M	100	1.000	8 Nov 2022 11:14 am
6) 110807.D rinse	8260VM1.M	5	1.000	8 Nov 2022 11:40 am
7) 110808.D 0.2 ppb 8260 ICAL ..	soil/water 8260VM1.M	6	1.000	8 Nov 2022 12:05 pm
8) 110809.D 0.5 ppb 8260 ICAL ..	soil/water 8260VM1.M	7	1.000	8 Nov 2022 12:29 pm
9) 110810.D 1 ppb 8260 ICAL 67..	soil/water 8260VM1.M	8	1.000	8 Nov 2022 12:53 pm
10) 110811.D 2 ppb 8260 ICAL 67..	soil/water 8260VM1.M	9	1.000	8 Nov 2022 1:17 pm
11) 110812.D 5 ppb 8260 ICAL 67..	soil/water 8260VM1.M	10	1.000	8 Nov 2022 1:42 pm
12) 110813.D 10 ppb 8260 ICAL 6..	soil/water 8260VM1.M	11	1.000	8 Nov 2022 2:06 pm
13) 110814.D 20 ppb 8260 ICAL 6..	soil/water 8260VM1.M	12	1.000	8 Nov 2022 2:30 pm
14) 110815.D 50 ppb 8260 ICAL 6..	soil/water 8260VM1.M	13	1.000	8 Nov 2022 2:55 pm
15) 110816.D 100 ppb 8260 ICAL ..	soil/water 8260VM1.M	14	1.000	8 Nov 2022 3:19 pm
16) 110817.D 150 ppb 8260 ICAL ..	soil/water 8260VM1.M	15	1.000	8 Nov 2022 3:43 pm
17) 110818.D 200 ppb 8260 ICAL ..	soil/water 8260VM1.M	16	1.000	8 Nov 2022 4:07 pm
18) 110819.D rinse vial	soil/water 8260VM1.M	17	1.000	8 Nov 2022 4:31 pm
19) 110820.D 10 ppb 8260 SCV 67..	soil/water 8260VM1.M	18	1.000	8 Nov 2022 4:55 pm
20) 110821.D rinse	soil/water 8260VM1.M	19	1.000	8 Nov 2022 5:20 pm

Sequence Name: C:\GCMS4\Sequences\11-23-22.s

Comment:

Operator: lm

Data Path: D:\GCMS4\GCMS4_DATA\11-23-22\

Instrument Control Pre-Seq Cmd:

Data Analysis Pre-Seq Cmd:

Instrument Control Post-Seq Cmd:

Data Analysis Post-Seq Cmd:

Method Sections To Run

(X) Full Method

() Reprocessing Only

Sequence Barcode Options

(X) On Mismatch, Inject Anyway

() On Mismatch, Don't Inject

() Barcode Disabled

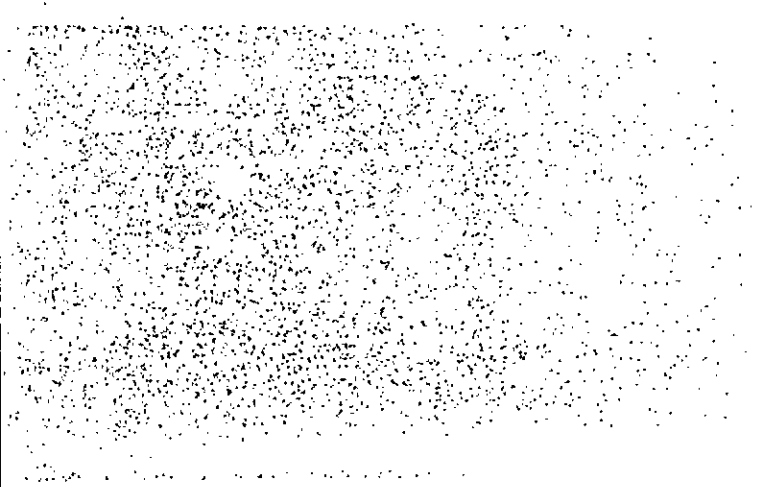
B 11/24

Line	Sample Name/Misc Info
1)	Sample 1 112301 8260VM1 rinse
2)	Sample 2 112302 8260VM1 10 ppb 8260 CCV 67-150N
3)	Sample 3 112303 8260VM1 02-2818 lcs
4)	Sample 4 112304 8260VM1 rinse
5)	Sample 5 112305 8260VM1 02-2818 mb
6)	Sample 6 112306 8260VM1 211339-03
7)	Sample 7 112307 8260VM1 211341-02
8)	Sample 8 112308 8260VM1 10 ppb 8260 CCV 68-4N
9)	Sample 9 112309 8260VM1 rinse
10)	Sample 10 112310 8260VM1 211237-01
11)	Sample 11 112311 8260VM1 211335-01
12)	Sample 12 112312 8260VM1 211335-02
13)	Sample 13 112313 8260VM1 211335-03
14)	Sample 14 112314 8260VM1 211335-04
15)	Sample 15 112315 8260VM1 211335-05
16)	Sample 16 112316 8260VM1 211335-06
17)	Sample 17 112317 8260VM1 211300-01
18)	Sample 18 112318 8260VM1 211300-04
19)	Sample 19 112319 8260VM1 211300-06
20)	Sample 20 112320 8260VM1 211341-02 ms
21)	Sample 21 112321 8260VM1 211341-02 msd

Injection Log

Data Directory: Y:\Proc_GCMS4\11-23-22\

SampleName	MiscInfo	Vial	Multiplier	Injection Time
1) 112301.D rinse	8260VM1.M	1	1.000	23 Nov 2022 5:10 am
2) 112302.D 10 ppb 8260 CCV 67..	soil/water 8260VM1.M	2	1.000	23 Nov 2022 5:34 am
3) 112303.D 02-2818 lcs	soil 8260VM1.M	3	1.000	23 Nov 2022 5:59 am
4) 112304.D rinse	soil 8260VM1.M	4	1.000	23 Nov 2022 6:23 am
5) 112305.D 02-2818 mb	soil 8260VM1.M	5	1.000	23 Nov 2022 6:47 am
6) 112306.D 211339-03	soil 8260VM1.M	6	1.000	23 Nov 2022 12:15 pm
7) 112307.D 211341-02	soil 8260VM1.M	7	1.000	23 Nov 2022 12:39 pm
8) 112308.D 10 ppb 8260 CCV 68..	soil/water 8260VM1.M	8	1.000	23 Nov 2022 4:15 pm
9) 112309.D rinse	soil/water 8260VM1.M	9	1.000	23 Nov 2022 5:37 pm
10) 112310.D 211237-01	soil 8260VM1.M	10	1.000	23 Nov 2022 6:01 pm
11) 112311.D 211335-01	soil 8260VM1.M	11	1.000	23 Nov 2022 6:26 pm
12) 112312.D 211335-02	soil 8260VM1.M	12	1.000	23 Nov 2022 6:50 pm
13) 112313.D 211335-03	soil 8260VM1.M	13	1.000	23 Nov 2022 7:14 pm
14) 112314.D 211335-04	soil 8260VM1.M	14	1.000	23 Nov 2022 7:39 pm
15) 112315.D 211335-05	soil 8260VM1.M	15	1.000	23 Nov 2022 8:03 pm
16) 112316.D 211335-06	soil 8260VM1.M	16	1.000	23 Nov 2022 8:28 pm
17) 112317.D 211300-01	soil 8260VM1.M	17	1.000	23 Nov 2022 8:52 pm
18) 112318.D 211300-04	soil 8260VM1.M	18	1.000	23 Nov 2022 9:16 pm
19) 112319.D 211300-06	soil 8260VM1.M	19	1.000	23 Nov 2022 9:40 pm
20) 112320.D 211341-02.ms	soil 8260VM1.M	20	1.000	23 Nov 2022 10:05 pm
21) 112321.D	8260VM1.M			



Comment:

Operator: VM

Data Path: D:\GCMS13\GCMS13_Data\11-05-22\

Instrument Control Pre-Seq Cmd:

Data Analysis Pre-Seq Cmd:

Instrument Control Post-Seq Cmd:

Data Analysis Post-Seq Cmd:

Method Sections To Run

(X) Full Method

() Reprocessing Only

Sequence Barcode Options

() On Mismatch, Inject Anyway

() On Mismatch, Don't Inject

(X) Barcode Disabled

Line	Type	ALS	File	Method	Sample Name/Misc Info
1)	Sample	100	110501	VM080322	rinse
2)	Sample	100	110502	VM080322	rinse
3)	Sample	1	110503	VM080322	50 ng BFB 67-152A
4)	Sample	100	110504	VM080322	rinse
5)	Sample	100	110505	VM080322	rinse
6)	Sample	2	110506	VM080322	0.02 ppb 8260 ICAL 67-177F
7)	Sample	3	110507	VM080322	0.04 ppb 8260 ICAL 67-177G
8)	Sample	4	110508	VM080322	0.1 ppb 8260 ICAL 67-177H
9)	Sample	5	110509	VM080322	0.2 ppb 8260 ICAL 67-177I
10)	Sample	6	110510	VM080322	0.5 ppb 8260 ICAL 67-177J
11)	Sample	7	110511	VM080322	1 ppb 8260 ICAL 67-177K
12)	Sample	8	110512	VM080322	2 ppb 8260 ICAL 67-177L
13)	Sample	9	110513	VM080322	5 ppb 8260 ICAL 67-177M
14)	Sample	10	110514	VM080322	10 ppb 8260 ICAL 67-177N
15)	Sample	11	110515	VM080322	20 ppb 8260 ICAL 67-177O
16)	Sample	12	110516	VM080322	50 ppb 8260 ICAL 67-177Q
17)	Sample	13	110517	VM080322	100 ppb 8260 ICAL 67-177S
18)	Sample	14	110518	VM080322	150 ppb 8260 ICAL 67-177T
19)	Sample	15	110519	VM080322	200 ppb 8260 ICAL 67-177U
20)	Sample	16	110520	VM080322	rinse vial
21)	Sample	17	110521	VM080322	10 ppb 8260 SCV 67-148
22)	Sample	100	110522	VM080322	rinse
23)	Sample	18	110523	VM080322	02-2625 lcs
24)	Sample	19	110524	VM080322	02-2625 lcsd
25)	Sample	100	110525	VM080322	rinse
26)	Sample	20	110526	VM080322	02-2625 mb
27)	Sample	21	110527	VM080322	02-2625 mb 1/0.25
28)	Sample	22	110528	VM080322	210370-01
29)	Sample	23	110529	VM080322	210370-02
30)	Sample	24	110530	VM080325	210370-03
31)	Sample	25	110531	VM080326	210370-04
32)	Sample	26	110532	VM080327	210370-10
33)	Sample	27	110533	VM080328	210370-11
34)	Sample	28	110534	VM080329	210370-12
35)	Sample	29	110535	VM080330	210370-13
36)	Sample	30	110536	VM080331	210370-14
37)	Sample	31	110537	VM080331	210370-17
38)	Sample	100	110538	VM080322	rinse

Injection Log

Data Directory: D:\Proc_GCMS13\11-05-22\

SampleName	MiscInfo	Vial	Multiplier	Injection Time
1) 110501.D rinse	VM080322.M water	100	1.000	05 Nov 2022 08:26 am
2) 110502.D rinse	VM080322.M water	100	1.000	05 Nov 2022 08:48 am
3) 110503.D 50 ng BFB 67-152A	VM080322.M water	<i>100</i> 1	1.000	05 Nov 2022 10:22 am
4) 110504.D rinse	VM080322.M water	100	1.000	05 Nov 2022 10:40 am
5) 110505.D rinse	VM080322.M water	100	1.000	05 Nov 2022 11:11 am
6) 110506.D 0.02 ppb 8260 ICAL..	VM080322.M soil/water	2	1.000	05 Nov 2022 11:34 am
7) 110507.D 0.04 ppb 8260 ICAL..	VM080322.M soil/water	3	1.000	05 Nov 2022 11:57 am
8) 110508.D 0.1 ppb 8260 ICAL ..	VM080322.M soil/water	4	1.000	05 Nov 2022 12:20 pm
9) 110509.D 0.2 ppb 8260 ICAL..	VM080322.M soil/water	5	1.000	05 Nov 2022 12:44 pm
10) 110510.D 0.5 ppb 8260 ICAL ..	VM080322.M soil/water	6	1.000	05 Nov 2022 01:07 pm
11) 110511.D 1 ppb 8260 ICAL 67..	VM080322.M soil/water	<i>7</i> 7	1.000	05 Nov 2022 01:30 pm
12) 110512.D 2 ppb 8260 ICAL 67..	VM080322.M soil/water	<i>8</i> 8	1.000	05 Nov 2022 01:53 pm
13) 110513.D 5 ppb 8260 ICAL 67..	VM080322.M soil/water	9	1.000	05 Nov 2022 02:16 pm
14) 110514.D 10 ppb 8260 ICAL 6..	VM080322.M soil/water	10	1.000	05 Nov 2022 02:39 pm
15) 110515.D 20 ppb 8260 ICAL 6..	VM080322.M soil/water	11	1.000	05 Nov 2022 03:03 pm
16) 110516.D 50 ppb 8260 ICAL 6..	VM080322.M soil/water	12	1.000	05 Nov 2022 03:26 pm
17) 110517.D 100 ppb 8260 ICAL ..	VM080322.M soil/water	13	1.000	05 Nov 2022 03:49 pm
18) 110518.D 150 ppb 8260 ICAL ..	VM080322.M soil/water	<i>14</i> 14	1.000	05 Nov 2022 04:12 pm
19) 110519.D 200 ppb 8260 ICAL ..	VM080322.M soil/water	<i>15</i> 15	1.000	05 Nov 2022 04:35 pm
20) 110520.D rinse vial	VM080322.M soil/water	16	1.000	05 Nov 2022 04:58 pm
21) 110521.D	VM080322.M			

Comment:

Operator: LM

Data Path: D:\GCMS13\GCMS13_Data\11-07-22\

Instrument Control Pre-Seq Cmd:

Data Analysis Pre-Seq Cmd:

Instrument Control Post-Seq Cmd:

Data Analysis Post-Seq Cmd:

Method Sections To Run

(X) Full Method

() Reprocessing Only

Sequence Barcode Options

() On Mismatch, Inject Anyway

() On Mismatch, Don't Inject

(X) Barcode Disabled

m 11/8

Line	Type	ALS	File	Method	Sample Name/Misc Info
1)	Sample	100	110701	VM080322	Rinse
2)	Sample	1	110702	VM080322	10 ppb ccv 8260 67-177n
3)	Sample	2	110703	VM080322	02-2629 lcs
4)	Sample	3	110704	VM080322	02-2629 lcsd
5)	Sample	100	110705	VM080322	rinse
6)	Sample	4	110706	VM080322	10 ppb 8260 SCV 67-155
7)	Sample	100	110707	VM080322	rinse
8)	Sample	5	110708	VM080322	10 ppb ccv 8260 67-177n
9)	Sample	6	110709	VM080322	02-2625 lcs
10)	Sample	7	110710	VM080322	210364-03 ms
11)	Sample	8	110711	VM080322	210364-03 msd
12)	Sample	100	110712	VM080322	rinse
13)	Sample	9	110713	VM080322	02-2625 mb
14)	Sample	10	110714	VM080322	02-2625 mb 1/0.25
15)	Sample	11	110715	VM080322	210370-01 1/0.25
16)	Sample	12	110716	VM080322	210370-02 1/0.25
17)	Sample	13	110717	VM080322	210370-03 1/0.25
18)	Sample	14	110718	VM080322	210370-04 1/0.25
19)	Sample	15	110719	VM080322	210370-10 1/0.25
20)	Sample	16	110720	VM080322	210370-11 1/0.25
21)	Sample	17	110721	VM080322	210370-12 1/0.25
22)	Sample	18	110722	VM080322	210370-13 1/0.25
23)	Sample	19	110723	VM080322	210370-14 1/0.25
24)	Sample	20	110724	VM080322	210370-17 1/0.25
25)	Sample	21	110725	VM080322	210364-03 1/0.25
26)	Sample	22	110726	VM080322	210364-04 1/0.25
27)	Sample	23	110727	VM080322	210364-08 1/0.25
28)	Sample	24	110728	VM080322	210364-11 1/0.25
29)	Sample	25	110729	VM080322	210364-13 1/0.25
30)	Sample	26	110730	VM080322	210364-16 1/0.25
31)	Sample	27	110731	VM080322	210364-20 1/0.25
32)	Sample	28	110732	VM080322	210364-24 1/0.25
33)	Sample	29	110733	VM080322	210439-02 1/0.25
34)	Sample	30	110734	VM080322	210439-06 1/0.25
35)	Sample	31	110735	VM080322	210364-03
36)	Sample	100	110736	VM080322	rinse
37)	Sample	32	110737	VM080322	10 ppb ccv 8260 67-177n
38)	Sample	33	110738	VM080322	02-2629 lcs
39)	Sample	34	110739	VM080322	211091-01 ms
40)	Sample	35	110740	VM080322	211091-01 msd
41)	Sample	100	110741	VM080322	rinse

Sequence Name: D:\GCMS13\sequence\11-07-22.sequence.xml

Comment:

Operator: LM

Data Path: D:\GCMS13\GCMS13_Data\11-07-22\

Instrument Control Pre-Seq Cmd:

Data Analysis Pre-Seq Cmd:

Instrument Control Post-Seq Cmd:

Data Analysis Post-Seq Cmd:

Method Sections To Run

Full Method

Reprocessing Only

Sequence Barcode Options

On Mismatch, Inject Anyway

On Mismatch, Don't Inject

Barcode Disabled

42)	Sample	36	110742	VM080322	02-2629	mb
43)	Sample	37	110743	VM080322	02-2629	mb 1/0.25
44)	Sample	38	110744	VM080322	210409-01	1/0.25
45)	Sample	39	110745	VM080322	210409-02	1/0.25
46)	Sample	40	110746	VM080322	210409-04	1/0.25
47)	Sample	41	110747	VM080322	210409-10	1/0.25
48)	Sample	42	110748	VM080322	210409-11	1/0.25
49)	Sample	43	110749	VM080322	210409-13	1/0.25
50)	Sample	44	110750	VM080322	210409-15	1/0.25
51)	Sample	45	110751	VM080322	210409-18	1/0.25
52)	Sample	46	110752	VM080322	210409-21	1/0.25
53)	Sample	47	110753	VM080322	210409-22	1/0.25
54)	Sample	48	110754	VM080322	210409-23	1/0.25
55)	Sample	49	110755	VM080322	210409-25	1/0.25
56)	Sample	50	110756	VM080322	210409-29	1/0.25
57)	Sample	51	110757	VM080322	210409-32	1/0.25
58)	Sample	52	110758	VM080322	210409-33	1/0.25
59)	Sample	53	110759	VM080322	210409-34	1/0.25
60)	Sample	54	110760	VM080322	210409-36	1/0.25
61)	Sample	55	110761	VM080322	210409-41	1/0.25
62)	Sample	56	110762	VM080322	210409-42	1/0.25
63)	Sample	57	110763	VM080322	211091-01	
64)	Sample	100	110764	VM080322	rinse	

Injection Log

Data Directory: D:\Proc_GCMS13\11-07-22\

SampleName	MiscInfo	Vial	Multiplier	Injection Time
1) 110701.D Rinse	VM080322.M water	100	1.000	07 Nov 2022 07:21 am
2) 110702.D 10 ppb ccv 8260 67..	VM080322.M water/soil	1	1.000	07 Nov 2022 08:37 am
3) 110703.D 02-2629 lcs	VM080322.M water	2	1.000	07 Nov 2022 09:00 am
4) 110704.D 02-2629 lcsd	VM080322.M water	3	1.000	07 Nov 2022 09:23 am
5) 110705.D rinse	VM080322.M water	100	1.000	07 Nov 2022 09:46 am
6) 110706.D 10 ppb 8260 SCV 67..	VM080322.M soil/water	4	1.000	07 Nov 2022 10:34 am
7) 110707.D rinse	VM080322.M water	100	1.000	07 Nov 2022 10:57 am
8) 110708.D 10 ppb ccv 8260 67..	VM080322.M soil	5	1.000	07 Nov 2022 12:37 pm
9) 110709.D 02-2625 lcs	VM080322.M soil	6	1.000	07 Nov 2022 01:01 pm
10) 110710.D 210364-03 ms	VM080322.M soil	7	1.000	07 Nov 2022 01:24 pm
11) 110711.D 210364-03 msd	VM080322.M soil	8	1.000	07 Nov 2022 01:47 pm
12) 110712.D rinse	VM080322.M soil	100	1.000	07 Nov 2022 02:10 pm
13) 110713.D 02-2625 mb	VM080322.M soil	9	1.000	07 Nov 2022 02:33 pm
14) 110714.D 02-2625 mb 1/0.25	VM080322.M soil	10	1.000	07 Nov 2022 02:56 pm
15) 110715.D 210370-01 1/0.25	VM080322.M soil	11	1.000	07 Nov 2022 03:19 pm
16) 110716.D 210370-02 1/0.25	VM080322.M soil	12	1.000	07 Nov 2022 03:43 pm
17) 110717.D 210370-03 1/0.25	VM080322.M soil	13	1.000	07 Nov 2022 04:06 pm
18) 110718.D 210370-04 1/0.25	VM080322.M soil	14	1.000	07 Nov 2022 04:29 pm
19) 110719.D 210370-10 1/0.25	VM080322.M soil	15	1.000	07 Nov 2022 04:52 pm
20) 110720.D 210370-11 1/0.25	VM080322.M soil	16	1.000	07 Nov 2022 05:15 pm
21) 110721.D	VM080322.M			

210370-12 1/0.25	soil	VM080322.M	17	1.000	07 Nov 2022	05:38 pm
22) 110722.D		VM080322.M				
210370-13 1/0.25	soil		18	1.000	07 Nov 2022	06:01 pm
23) 110723.D		VM080322.M				
210370-14 1/0.25	soil		19	1.000	07 Nov 2022	06:24 pm
24) 110724.D		VM080322.M				
210370-17 1/0.25	soil		20	1.000	07 Nov 2022	06:47 pm
25) 110725.D		VM080322.M				
210364-03 1/0.25	soil		21	1.000	07 Nov 2022	07:11 pm
26) 110726.D		VM080322.M				
210364-04 1/0.25	soil		22	1.000	07 Nov 2022	07:34 pm
27) 110727.D		VM080322.M				
210364-08 1/0.25	soil		23	1.000	07 Nov 2022	07:57 pm
28) 110728.D		VM080322.M				
210364-11 1/0.25	soil		24	1.000	07 Nov 2022	08:21 pm
29) 110729.D		VM080322.M				
210364-13 1/0.25	soil		25	1.000	07 Nov 2022	08:44 pm
30) 110730.D		VM080322.M				
210364-16 1/0.25	soil		26	1.000	07 Nov 2022	09:07 pm
31) 110731.D		VM080322.M				
210364-20 1/0.25	soil		27	1.000	07 Nov 2022	09:30 pm
32) 110732.D		VM080322.M				
210364-24 1/0.25	soil		28	1.000	07 Nov 2022	09:53 pm
33) 110733.D		VM080322.M				
210439-02 1/0.25	soil		29	1.000	07 Nov 2022	10:17 pm
34) 110734.D		VM080322.M				
210439-06 1/0.25	soil		30	1.000	07 Nov 2022	10:40 pm
35) 110735.D		VM080322.M				
210364-03	soil		31	1.000	07 Nov 2022	11:03 pm
36) 110736.D		VM080322.M				
rinse	soil		100	1.000	07 Nov 2022	11:26 pm
37) 110737.D		VM080322.M				
10 ppb ccv 8260 67..	soil		32	1.000	07 Nov 2022	11:49 pm
38) 110738.D		VM080322.M				
02-2629 lcs	soil		33	1.000	08 Nov 2022	12:12 am
39) 110739.D		VM080322.M				
211091-01 ms	soil		34	1.000	08 Nov 2022	12:35 am
40) 110740.D		VM080322.M				
211091-01 msd	soil		35	1.000	08 Nov 2022	12:58 am
41) 110741.D		VM080322.M				
rinse	soil		100	1.000	08 Nov 2022	01:21 am
42) 110742.D		VM080322.M				
02-2629 mb	soil		36	1.000	08 Nov 2022	01:44 am
43) 110743.D		VM080322.M				
02-2629 mb 1/0.25	soil		37	1.000	08 Nov 2022	02:07 am

44) 110744.D		VM080322.M					
210409-01 1/0.25	soil		38	1.000	08 Nov 2022	02:30	am
45) 110745.D		VM080322.M					
210409-02 1/0.25	soil		39	1.000	08 Nov 2022	02:53	am
46) 110746.D		VM080322.M					
210409-04 1/0.25	soil		40	1.000	08 Nov 2022	03:16	am
47) 110747.D		VM080322.M					
210409-10 1/0.25	soil		41	1.000	08 Nov 2022	03:39	am
48) 110748.D		VM080322.M					
210409-11 1/0.25	soil		42	1.000	08 Nov 2022	04:02	am
49) 110749.D		VM080322.M					
210409-13 1/0.25	soil		43	1.000	08 Nov 2022	04:25	am
50) 110750.D		VM080322.M					
210409-15 1/0.25	soil		44	1.000	08 Nov 2022	04:48	am
51) 110751.D		VM080322.M					
210409-18 1/0.25	soil		45	1.000	08 Nov 2022	05:11	am
52) 110752.D		VM080322.M					
210409-21 1/0.25	soil		46	1.000	08 Nov 2022	05:34	am
53) 110753.D		VM080322.M					
210409-22 1/0.25	soil		47	1.000	08 Nov 2022	05:57	am
54) 110754.D		VM080322.M					
210409-23 1/0.25	soil		48	1.000	08 Nov 2022	06:20	am
55) 110755.D		VM080322.M					
210409-25 1/0.25	soil		49	1.000	08 Nov 2022	06:43	am
56) 110756.D		VM080322.M					
210409-29 1/0.25	soil		50	1.000	08 Nov 2022	07:06	am
57) 110757.D		VM080322.M					
210409-32 1/0.25	soil		51	1.000	08 Nov 2022	07:29	am
58) 110758.D		VM080322.M					
210409-33 1/0.25	soil		52	1.000	08 Nov 2022	07:52	am
59) 110759.D		VM080322.M					
210409-341/0.25	soil		53	1.000	08 Nov 2022	08:15	am
60) 110760.D		VM080322.M					
210409-36 1/0.25	soil		54	1.000	08 Nov 2022	08:38	am
61) 110761.D		VM080322.M					
210409-41 1/0.25	soil		55	1.000	08 Nov 2022	09:01	am
62) 110762.D		VM080322.M					
210409-42 1/0.25	soil		56	1.000	08 Nov 2022	09:24	am
63) 110763.D		VM080322.M					
211091-01	soil		57	1.000	08 Nov 2022	09:48	am
64) 110764.D		VM080322.M					
rinse	soil		100	1.000	08 Nov 2022	10:10	am

DM
DMC
11/9

Sequence Name: C:\GCMS4\SEQUENCES\11-18-22.S

Comment:

Operator: lm

Data Path: D:\GCMS4\GCMS4_DATA\11-18-22\

Instrument Control Pre-Seq Cmd:

Data Analysis Pre-Seq Cmd:

Instrument Control Post-Seq Cmd:

Data Analysis Post-Seq Cmd:

Method Sections To Run

Full Method

Reprocessing Only

Sequence Barcode Options

On Mismatch, Inject Anyway

On Mismatch, Don't Inject

Barcode Disabled

Line	Sample		Sample Name/Misc Info
1)	Sample	1	111801 8260VM1 rinse
2)	Sample	2	111802 8260VM1 10 ppb 8260 CCV 67-150N
3)	Sample	3	111803 8260VM1 02-2768 lcs
4)	Sample	4	111804 8260VM1 rinse
5)	Sample	5	111805 8260VM1 02-2768 mb
6)	Sample	6	111806 8260VM1 rinse
7)	Sample	7	111807 8260VM1 02-2753 lcs
8)	Sample	8	111808 8260VM1 rinse
9)	Sample	9	111809 8260VM1 02-2753 mb
10)	Sample	10	111810 8260VM1 10 ppb 8260 CCV 67-192N
11)	Sample	11	111811 8260VM1 211195-08 ms
12)	Sample	12	111812 8260VM1 211195-08 msd
13)	Sample	13	111813 8260VM1 211237-01 ms
14)	Sample	14	111814 8260VM1 211237-01 msd
15)	Sample	15	111815 8260VM1 rinse
16)	Sample	16	111816 8260VM1 instrument blank
17)	Sample	17	111817 8260VM1 211188-02 rx
18)	Sample	18	111818 8260VM1 211195-08 rx
19)	Sample	19	111819 8260VM1 211195-17 rx
20)	Sample	20	111820 8260VM1 211195-19 rx
21)	Sample	21	111821 8260VM1 211195-20 rx

EPA 8260D

Checklists

GC/MS ICAL Checklist

Instrument: GC/MS 4

Sequence Date: 11/08/22

Shift # 1

Item	Initial	Date
Shift and Batch		
Initial Calibration Analyzed, Evaluated and Passed	JLM	11/08/22
2 nd source passed	|	|
Analyte retention time checked	|	|
Tune passed	|	|
Non-Conformance Report filled out (if needed)	|	|

Notes: ACETONE LO. IF HIT.

Attach this sheet to raw data package.

Supervisor Initials and Date

GC/MS ICAL Checklist

Instrument: GC/MS 13

Sequence Date: 1.05.22 / 11.07.22 Shift # 1

Item	Initial	Date
Shift and Batch		
Initial Calibration Analyzed, Evaluated and Passed	✓ <i>WY</i>	11.07.22
2nd source passed	✓	|
Analyte retention time checked	✓	|
Tune passed	✓	|
Non-Conformance Report filled out (if needed)	NA	|

Notes: *toluene failed high in SCV 18150 ppb but*
SCV analyzed on 11.07.22 used prep vials
WY 11.07.22

Attach this sheet to raw data package.

YA 11/14/22
 Supervisor Initials and Date

GC/MS Data Daily Checklist

Instrument: GC/MS 4

Sequence Date: 11-18-22

Shift # 1

Item	Initial	Date
Shift and Batch		
All samples analyzed within 12 hour shift	✓	11/22
Internal Standards within limits (50-200% of the CCVs for 8260, 8270; 70-130% for 524.2)	✓	|
Surrogate recoveries within limits	✓	|
Laboratory control sample (LCS) recoveries within limits	✓	|
Matrix spike (MS) analyzed	✓	|
RPDs within limits	✓	|
Continuing Calibration Analyzed, Evaluated and Passed	see below	
Non-Conformance Report filled out (if needed)	|	|

Notes: trichloroethane, acet, bromomethane

Attach this sheet to raw data package.

Supervisor Initials and Date

GC/MS Data Daily Checklist

Instrument: GC/MS 4

Sequence Date: 11.18.22

Shift # 2

Item	Initial	Date
Shift and Batch		
All samples analyzed within 12 hour shift	✓	11/22
Internal Standards within limits (50-200% of the CCVs for 8260, 8270; 70-130% for 524.2)	✓	|
Surrogate recoveries within limits	✓	
Laboratory control sample (LCS) recoveries within limits	✓	
Matrix spike (MS) analyzed	✓	
RPDs within limits	✓	
Continuing Calibration Analyzed, Evaluated and Passed	see below	
Non-Conformance Report filled out (if needed)		

Notes: ~~VCl⁺, dichloro-difluoro-eth⁺, chloro-ethane⁺, chloro-ethene⁺, acet⁺, trichloro-ethene⁺, ac⁺, TBAH, H₂O⁺, 1,2-dichloro⁺, Carbon tet⁺, 1,2-dichloro⁺, di-bromo⁺~~

Attach this sheet to raw data package.

Supervisor Initials and Date

GC/MS Data Daily Checklist

Instrument: GC/MS 4

Sequence Date: 11.23.22

Shift # 2

Item	Initial	Date
Shift and Batch		
All samples analyzed within 12 hour shift	✓	11/28
Internal Standards within limits (50-200% of the CCVs for 8260, 8270; 70-130% for 524.2)	✓	|
Surrogate recoveries within limits	✓	|
Laboratory control sample (LCS) recoveries within limits	N	|
Matrix spike (MS) analyzed	Y	|
RPDs within limits	L	|
Continuing Calibration Analyzed, Evaluated and Passed	see below	|
Non-Conformance Report filled out (if needed)		|

Notes: no H: ple high (too many to list)

Attach this sheet to raw data package.

Supervisor Initials and Date

GC/MS Data Daily Checklist

Instrument: GC/MS 13

Sequence Date: 11-18-22

Shift # 1

Item	Initial	Date
Shift and Batch		
All samples analyzed within 12 hour shift	✓	11/21
Internal Standards within limits (50-200% of the CCVs for 8260, 8270; 70-130% for 524.2)	✓	
Surrogate recoveries within limits	✓	
Laboratory control sample (LCS) recoveries within limits	✓	
Matrix spike (MS) analyzed	✓	
RPDs within limits	✓	
Continuing Calibration Analyzed, Evaluated and Passed	see below	
Non-Conformance Report filled out (if needed)	✓	

Notes: ET1561, 2,2-dichloro, 1,2,3-trichloro

Attach this sheet to raw data package.

Supervisor Initials and Date

GC/MS Data Daily Checklist

Instrument: GC/MS 13

Sequence Date: 11-18-22

Shift # 2

Item	Initial	Date
Shift and Batch		
All samples analyzed within 12 hour shift	✓	11/21
Internal Standards within limits (50-200% of the CCVs for 8260, 8270; 70-130% for 524.2)	✓	
Surrogate recoveries within limits	✓	
Laboratory control sample (LCS) recoveries within limits	✓	
Matrix spike (MS) analyzed	✓	
RPDs within limits	✓	
Continuing Calibration Analyzed, Evaluated and Passed	see below	
Non-Conformance Report filled out (if needed)	✓	

Notes: 6-amp setting ↑, FTSG P, 2-2-dichloro P

Attach this sheet to raw data package.

Supervisor Initials and Date

EPA 8260D
Internal Standard/Surrogate Summaries

GC/MS QA-QC Check Report

Tune File : D:\Proc_GCMS4\11-08-22\110806.D

Tune Time : 8 Nov 2022 11:14 am

Daily Calibration File : D:\Proc_GCMS4\11-08-22\110813.D

(DMF) (DHL) (TOL) (BFB)

86139 72870 48476

File	Sample	Surrogate Recovery %					Internal Standard Responses		
110808.D	0.2 ppb 82	101	100	98	102	89075	74574	48941	
110809.D	0.5 ppb 82	99	101	99	102	90028	74657	50024	
110810.D	1 ppb 8260	97	95	100	103	88603	74537	47526	
110811.D	2 ppb 8260	101	100	97	100	88402	71977	47903	
110812.D	5 ppb 8260	98	101	99	100	89475	75227	49685	
110813.D	10 ppb 826	102	101	101	100	86139	72870	48476	
110814.D	20 ppb 826	101	100	100	99	89724	75215	49913	
110815.D	50 ppb 826	99	101	101	99	90079	76555	49605	
110816.D	100 ppb 82	100	99	101	99	90209	77727	50521	
110817.D	150 ppb 82	101	100	101	100	87265	74546	50457	
110818.D	200 ppb 82	101	103	103	95	87283	73762	52648	
110820.D	10 ppb 826	102	101	99	96	83510	70248	47550	

(fails) - fails 12hr time check * - fails criteria

Created: Tue Nov 08 17:33:41 2022 GCMS4

GC/MS QA-QC Check Report

Tune File : Y:\Proc_GCMS4\11-18-22\111810.D

Tune Time : 18 Nov 2022 5:45 pm

Daily Calibration File : Y:\Proc_GCMS4\11-18-22\111810.D

(DMF) (DHL) (TOL) (BFB)

57896 55214 36746

File	Sample	Surrogate	Recovery %	Internal Standard Responses				
111811.D	211195-08	101	96	124*	127*	61000	58936	40242
111812.D	211195-08	105	98	121*	127*	59761	56051	41155
111813.D	211237-01	103	99	109	103	62898	59930	38633
111814.D	211237-01	106	96	107	98	59344	55800	37323
111816.D	instrument	107	97	106	99	60890	57029	38010
111817.D	211188-02	108	98	111	105	60188	56153	38471
111818.D	211195-08	100	93	126*	128*	60712	58513	39777
111819.D	211195-17	104	100	105	101	61721	57031	37735
111820.D	211195-19	103	93	103	97	62973	57000	38760
111821.D	211195-20	104	97	104	96	58890	53367	36851

(fails) - fails 12hr time check * - fails criteria

Created: Tue Nov 22 09:15:04 2022 GCMS4

GC/MS QA-QC Check Report

Tune File : Y:\Proc_GCMS4\11-23-22\112308.D
 Tune Time : 23 Nov 2022 4:15 pm

Daily Calibration File : Y:\Proc_GCMS4\11-23-22\112308.D

(DMF) (DHL) (TOL) (BFB)

56312 59282 40281

File	Sample	Surrogate	Recovery %	Internal Standard Responses
112310.D	211237-01	106	97 110 96	56597 56382 38721
112311.D	211335-01	107	102 109 97	54240 54433 37020
112312.D	211335-02	108	100 112* 98	53659 54482 37539
112313.D	211335-03	105	95 111 98	55025 56352 37715
112314.D	211335-04	106	95 115* 99	55435 57036 37641
112315.D	211335-05	105	97 108 98	55243 54993 37217
112316.D	211335-06	103	97 110 96	55264 56219 38093
112317.D	211300-01	104	97 110 98	54788 55068 37512
112318.D	211300-04	107	101 109 95	53498 52976 36548
112319.D	211300-06	104	96 110 96	53343 52982 36517
112320.D	211341-02	107	99 113* 99	54076 56081 37762
112321.D	211341-02	108	99 111 97	53926 55585 38280

(fails) fails 12hr time check -- fails criteria

Created: Mon Nov 28 13:24:39 2022 GCMS4

GC/MS QA-QC Check Report

Tune File : D:\Proc_GCMS13\11-05-22\110503.D

Tune Time : 05 Nov 2022 10:22 am

Daily Calibration File : D:\Proc_GCMS13\11-05-22\110514.D

(DMF) (DHL) (TOL) (BFB)

104308

87057

51133

File	Sample	Surrogate Recovery %				Internal Standard Responses		
110506.D	0.02 ppb 8	101	100	99	104	110742	89451	50648
110507.D	0.04 ppb 8	95	104	99	106	111750	92506	50709
110508.D	0.1 ppb 82	102	104	100	105	109470	90583	50314
110509.D	0.2 ppb 8	101	104	97	105	108326	89660	50001
110510.D	0.5 ppb 82	101	95	96	100	111564	90038	50622
110511.D	1 ppb 8260	99	102	101	99	110201	89750	52061
110512.D	2 ppb 8260	100	99	100	98	108368	87014	51026
110513.D	5 ppb 8260	97	97	99	100	109707	88629	50120
110514.D	10 ppb 826	100	105	102	100	104308	87057	51133
110515.D	20 ppb 826	100	97	101	96	105008	89462	52775
110516.D	50 ppb 826	101	94	100	95	104359	89151	54409
110517.D	100 ppb 82	101	98	103	96	105192	89610	53646
110518.D	150 ppb 82	98	100	102	95	106741	92515	56204
110519.D	200 ppb 82	102	103	102	94	105227	91763	54540

(fails) - fails 12hr time check * - fails criteria

Created: Mon Nov 07 15:53:07 2022 GCMS13

GC/MS QA-QC Check Report

Tune File : D:\Proc_GCMS13\11-07-22\110706.D

Tune Time : 07 Nov 2022 10:34 am

Daily Calibration File : D:\Proc_GCMS13\11-07-22\110706.D

(DMF) (DHL) (TOL) (BFB)

107809 88712 52143

File Sample Surrogate Recovery % Internal Standard Responses

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110706.D	10 ppb	826	101	103	101	98	107809	88712	52143
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(fails) - fails 12hr time check * - fails criteria

Created: Mon Nov 07 15:51:48 2022 GCMS13

GC/MS QA-QC Check Report

Tune File : Y:\Proc_GCMS13\11-18-22\111803.D

Tune Time : 18 Nov 2022 06:14 am

Daily Calibration File : Y:\Proc_GCMS13\11-18-22\111803.D

(DMF) (DHL) (TOL) (BFB)

96488 88501 52821

File	Sample	Surrogate Recovery %				Internal Standard Responses		
111804.D	02-2769 lc	95	92	94	95	105447	89670	53179
111805.D	02-2769 lc	104	96	101	94	94745	86932	52583
111807.D	02-2769 mb	109	97	102	99	98432	91850	53151
111808.D	02-2768 mb	107	98	105	98	97125	92765	54272
111809.D	02-2639 lc	107	98	101	98	101161	90548	52890
111810.D	02-2639 lc	96	91	92	95	106181	87293	52791
111811.D	02-2639 lc	103	95	101	97	97833	89169	53087
111814.D	211213-01	103	97	103	99	97000	89445	53928
111815.D	211213-02	104	99	101	99	98751	89329	52898
111816.D	211213-03	102	99	100	97	97573	86962	53581
111817.D	211213-04	104	99	105	97	95216	88255	53646
111818.D	211213-05	105	112	103	96	96892	89032	53018
111819.D	211213-06	104	98	103	101	100506	89928	54139
111820.D	211213-08	104	97	101	102	99789	91501	53112
111821.D	211213-09	105	102	102	97	96019	89468	53592
111822.D	211213-10	91	91	92	98	108780	90291	53037
111823.D	211213-11	95	87	92	100	109200	91491	53189
111824.D	211213-12	104	104	105	101	98517	92749	52819
111825.D	211213-08	105	106	105	101	96781	91399	53734

111826.D

02-2639 mb 100 95 102 102 89886 79445 44836

111827.D

211242-01 99 91 100 100 86748 72600 42139

(fails) - fails 12hr time check * - fails criteria

Created: Mon Nov 21 09:51:55 2022 GCMS13

GC/MS QA-QC Check Report

Tune File : Y:\Proc_GCMS13\11-18-22\111829.D

Tune Time : 18 Nov 2022 06:31 pm

Daily Calibration File : Y:\Proc_GCMS13\11-18-22\111829.D

(DMF) (DHL) (TOL) (BFB)

94077 87816 50565

File	Sample	Surrogate	Recovery %				Internal Standard	Responses	
111832.D	02-2753 mb	100	98	101	97	97712	89879	53885	
111833.D	211237-06	96	94	92	99	108572	89263	52365	
111834.D	211213-07	110	108	102	101	95999	88611	52081	
111835.D	211239-01	94	94	92	97	107955	89116	53883	
111836.D	211239-02	106	97	103	103	97902	87507	53566	
111837.D	211239-03	106	102	101	94	95033	88614	54424	
111838.D	211239-04	93	97	92	95	108114	91466	55775	
111839.D	211239-05	102	99	101	97	98509	90557	55381	
111840.D	211239-06	103	99	101	96	99220	91005	55811	
111841.D	211239-07	101	101	99	96	100540	92599	55844	
111842.D	211239-08	94	88	93	95	111399	95270	58027	
111843.D	211239-09	103	99	101	94	100247	93817	57117	
111844.D	211239-10	96	92	91	97	113233	95608	57597	
111845.D	211237-01	104	98	101	95	102787	96113	56780	
111846.D	211237-02	106	103	102	98	101735	95597	57487	
111847.D	211237-03	91	89	91	98	110698	88861	51740	
111848.D	211237-04	101	94	102	93	102670	94925	59899	
111849.D	211237-05	93	92	92	95	112879	95887	58726	
111850.D	211237-07	106	101	103	94	102361	97130	58863	

111851.D

211237-08

95

88

93

97

111049

94412

57236

(fails) - fails 12hr time check * - fails criteria

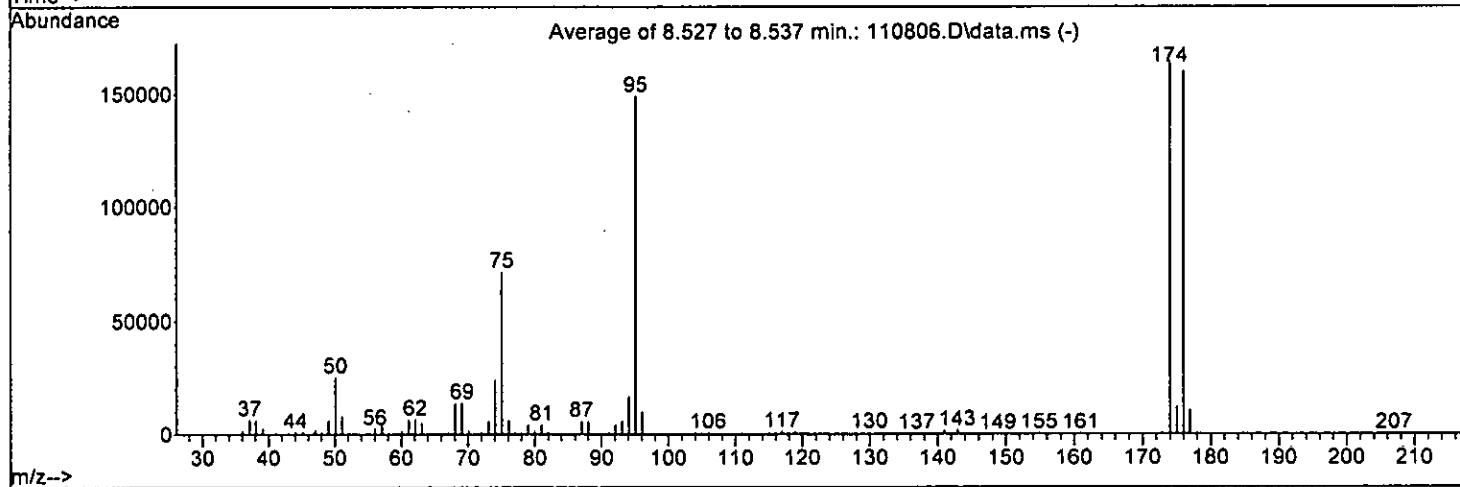
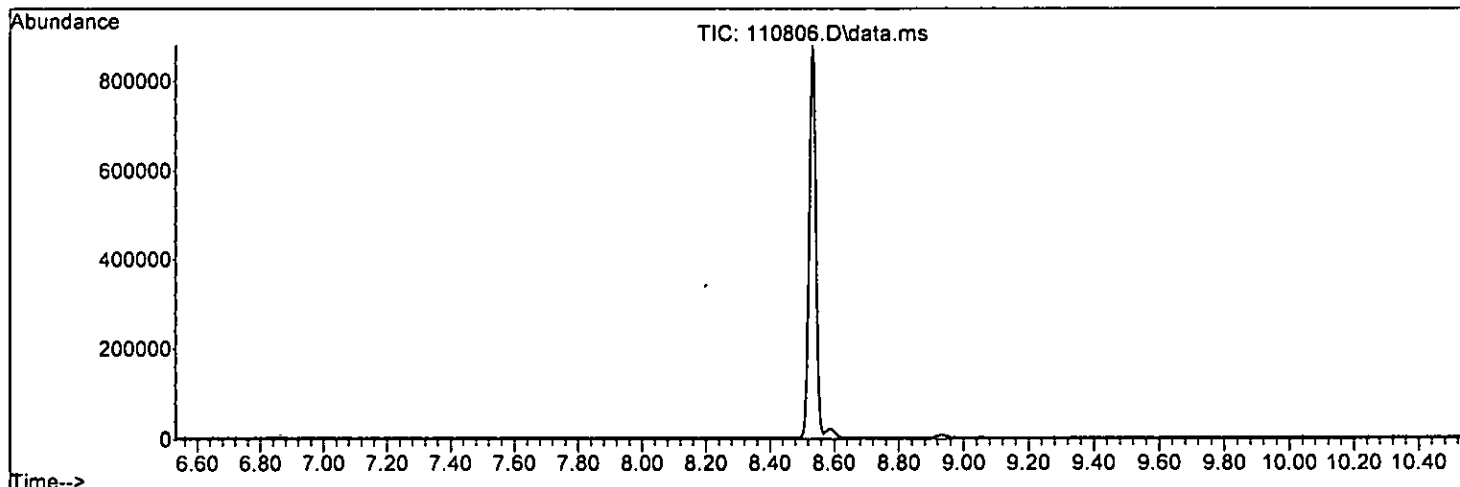
Created: Mon Nov 21 10:36:19 2022 GCMS13

EPA 8260D
Tune Summaries

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110806.D
 Acq On : 8 Nov 2022 11:14 am
 Operator : LM
 Sample : 50 ng 8FB 67-152A
 Misc : direct inject
 ALS Vial : 100 Sample Multiplier: 1

Integration File: LSCINT.P

Method : D:\Methods\Inst4\VB110822ms4.M
 Title : 8260 Purge & Trap Volatiles
 Last Update : Tue Nov 08 16:47:05 2022



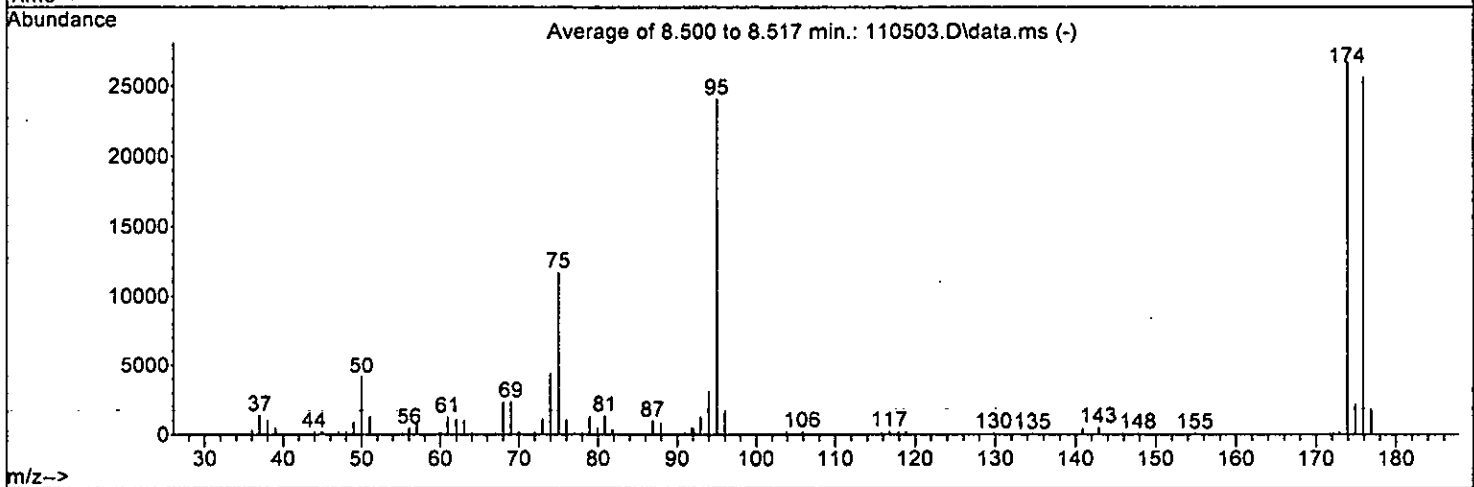
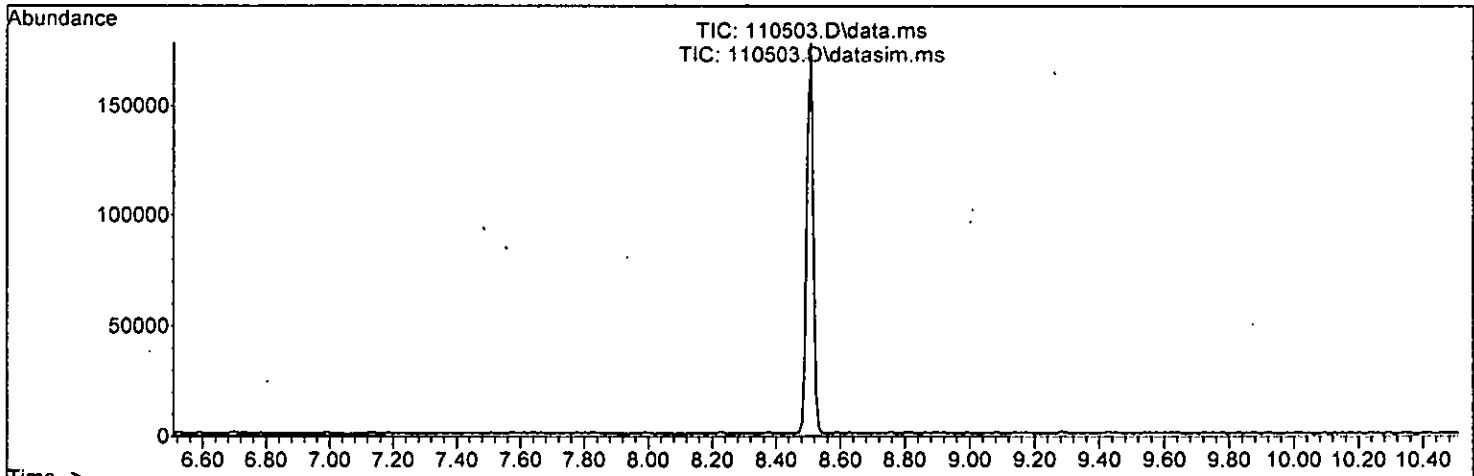
AutoFind: Scans 1519, 1520, 1521; Background Corrected with Scan 1510

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
95	174	50	200	90.7	149152	PASS
96	95	5	9	6.7	10011	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	200	110.2	164392	PASS
175	174	5	9	7.5	12251	PASS
176	174	95	105	97.4	160173	PASS
177	176	5	10	6.6	10611	PASS

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110503.D
 Acq On : 05 Nov 2022 10:22 am
 Operator : VM
 Sample : 50 ng BFB 67-152A
 Misc : water
 ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: LSCINT.P
 Integration File signal 2: rteint2.p

Method : D:\Methods\Inst13\VB110522ms13.M
 Title : 8260 Purge & Trap Volatiles Dual Acquisition
 Last Update : Mon Nov 07 10:10:04 2022



AutoFind: Scans 715, 716, 717; Background Corrected with Scan 709

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
95	174	50	200	90.0	24071	PASS
96	95	5	9	6.7	1621	PASS
173	174	0.00	2	0.6	157	PASS
174	95	50	200	111.1	26747	PASS
175	174	5	9	8.0	2142	PASS
176	174	95	105	95.8	25611	PASS
177	176	5	10	6.9	1773	PASS

EPA 8260D
Initial Calibrations

Compound List Report GCMS4

Method Path : D:\Methods\Inst4\
 Method File : VB110822ms4.M
 Title : 8260 Purge & Trap Volatiles
 Last Update : Tue Nov 08 16:47:05 2022
 Response Via : Initial Calibration

Total Cpnds : 76

PK#	Compound Name	QIon	Exp_RT	Rel_RT	Cal	#Qual	A/H	ID
1	I Fluorobenzene	96	4.78	1.000	A	1	A	B
2	T Ethanol	45	1.07	0.224	A	1	A	B
3	S Dibromofluoromethane	113	4.21	0.882	A	0	A	B
4	T Dichlorodifluoromethane	85	1.17	0.246	A	1	A	B
5	T Chloromethane	50	1.31	0.275	A	1	A	B
6	T Vinyl chloride	62	1.40	0.293	A	1	A	B
7	T Bromomethane	94	1.62	0.340	A	1	A	B
8	T Chloroethane	64	1.70	0.355	A	1	A	B
9	T Trichlorofluoromethane	101	1.90	0.397	A	1	A	B
10	T 2-Propanol	45	2.99	0.625	A	1	A	B
11	T Acetone	58	2.38	0.498	Q	1	A	B
12	T 1,1-Dichloroethene	96	2.32	0.486	A	2	A	B
13	T Hexane	57	3.21	0.672	A	2	A	B
14	T Methylene chloride	84	2.73	0.572	L	2	A	B
15	T t-Butyl alcohol (TBA)	59	2.87	0.600	A	1	A	B
16	T Methyl t-butyl ether (MTBE)	73	2.99	0.625	A	1	A	B
17	T trans-1,2-Dichloroethene	96	2.97	0.621	A	2	A	B
18	T Diisopropyl ether (DIPE)	45	3.40	0.712	A	3	A	B
19	T 1,1-Dichloroethane	63	3.32	0.696	A	2	A	B
20	T Ethyl t-butyl ether (ETBE)	87	3.71	0.776	A	3	A	B
21	T 2,2-Dichloropropane	77	3.81	0.797	Q	1	A	B
22	T cis-1,2-Dichloroethene	96	3.81	0.797	A	2	A	B
23	T Chloroform	83	4.08	0.853	L	1	A	B
24	T 2-Butanone (MEK)	43	3.83	0.802	A	2	A	B
25	T t-Amyl methyl ether (TAME)	73	4.65	0.974	A	2	A	B
26	T 1,2-Dichloroethane (EDC)	62	4.55	0.953	A	1	A	B
27	T 1,1,1-Trichloroethane	97	4.23	0.886	A	2	A	B
28	T 1,1-Dichloropropene	75	4.37	0.915	A	2	A	B
29	T Carbon tetrachloride	117	4.37	0.915	A	1	A	B
30	S 1,2-Dichloroethane-d4	102	4.49	0.940	A	0	A	B
31	T Benzene	78	4.54	0.951	A	1	A	B
32	T Trichloroethene	95	5.09	1.064	A	3	A	B
33	T 1,2-Dichloropropane	63	5.28	1.105	A	1	A	B
34	T Bromodichloromethane	83	5.51	1.153	A	2	A	B
35	S Toluene-d8	98	6.14	1.285	A	0	A	B
36	T Dibromomethane	93	5.37	1.125	A	2	A	B
37	T 4-Methyl-2-pentanone	85	6.05	1.266	A	3	A	B
38	T cis-1,3-Dichloropropene	75	5.90	1.235	A	2	A	B
39	I Chlorobenzene-d5	117	7.43	1.000	A	0	A	B
40	T Toluene	92	6.20	0.834	A	1	A	B
41	T trans-1,3-Dichloropropene	75	6.39	0.859	A	2	A	B
42	T 1,1,2-Trichloroethane	83	6.55	0.882	A	2	A	B
43	T 2-Hexanone	43	6.79	0.913	A	3	A	B
44	T 1,3-Dichloropropane	76	6.70	0.902	A	1	A	B
45	T Tetrachloroethene	164	6.69	0.899	A	3	A	B
46	T Dibromochloromethane	129	6.91	0.929	Q	1	A	B
47	T 1,2-Dibromoethane (EDB)	107	7.00	0.942	A	2	A	B
48	T Chlorobenzene	112	7.46	1.003	A	2	A	B
49	T Ethylbenzene	91	7.57	1.018	A	1	A	B
50	T 1,1,1,2-Tetrachloroethane	131	7.54	1.014	A	2	A	B
51	T m,p-Xylene	106	7.68	1.033	A	1	A	B
52	T o-Xylene	106	8.05	1.082	A	1	A	B
53	T Styrene	104	8.06	1.084	A	1	A	B
54	T Isopropylbenzene	105	8.40	1.130	A	1	A	B
55	T Bromoform	173	8.22	1.106	Q	2	A	B

56	I	1,4-Dichlorobenzene-d4	152	9.65	1.000	A	2	A	B
57	S	4-Bromofluorobenzene	95	8.54	0.885	A	2	A	B
58	T	n-Propylbenzene	91	8.79	0.911	A	1	A	B
59	T	Bromobenzene	156	8.68	0.899	A	2	A	B
60	T	1,3,5-Trimethylbenzene	105	8.97	0.929	A	1	A	B
61	T	1,1,2,2-Tetrachloroethane	83	8.68	0.899	A	2	A	B
62	T	1,2,3-Trichloropropane	75	8.71	0.903	A	1	A	R
63	T	2-Chlorotoluene	91	8.87	0.919	A	1	A	B
64	T	4-Chlorotoluene	91	8.97	0.930	A	1	A	B
65	T	tert-Butylbenzene	119	9.28	0.962	A	2	A	B
66	T	1,2,4-Trimethylbenzene	105	9.33	0.966	A	1	A	B
67	T	sec-Butylbenzene	105	9.49	0.984	A	1	A	B
68	T	p-Isopropyltoluene	119	9.64	0.998	A	2	A	B
69	T	1,3-Dichlorobenzene	146	9.59	0.994	A	2	A	B
70	T	1,4-Dichlorobenzene	146	9.68	1.003	A	2	A	B
71	T	1,2-Dichlorobenzene	146	10.04	1.040	A	2	A	B
72	T	1,2-Dibromo-3-chloropropane	75	10.80	1.119	A	2	A	B
73	T	1,2,4-Trichlorobenzene	180	11.62	1.204	A	2	A	B
74	T	Hexachlorobutadiene	225	11.81	1.223	A	2	A	B
75	T	Naphthalene	128	11.86	1.229	A	2	A	B
76	T	1,2,3-Trichlorobenzene	180	12.10	1.254	A	2	A	B

Cal A = Average L = Linear LO = Linear w/origin Q = Quad QO = Quad w/origin

#Qual = number of qualifiers

A/H = Area or Height

ID R = R.T. B = R.T. & Q Q = Qvalue L = Largest A = All

VB110822ms4.M Tue Nov 08 17:32:05 2022

Calibration Status Report GCMS4

Method Path : D:\Methods\Inst4\
 Method File : VB110822ms4.M
 Title : 8260 Purge & Trap Volatiles
 Last Update : Tue Nov 08 16:47:05 2022
 Response Via : Initial Calibration

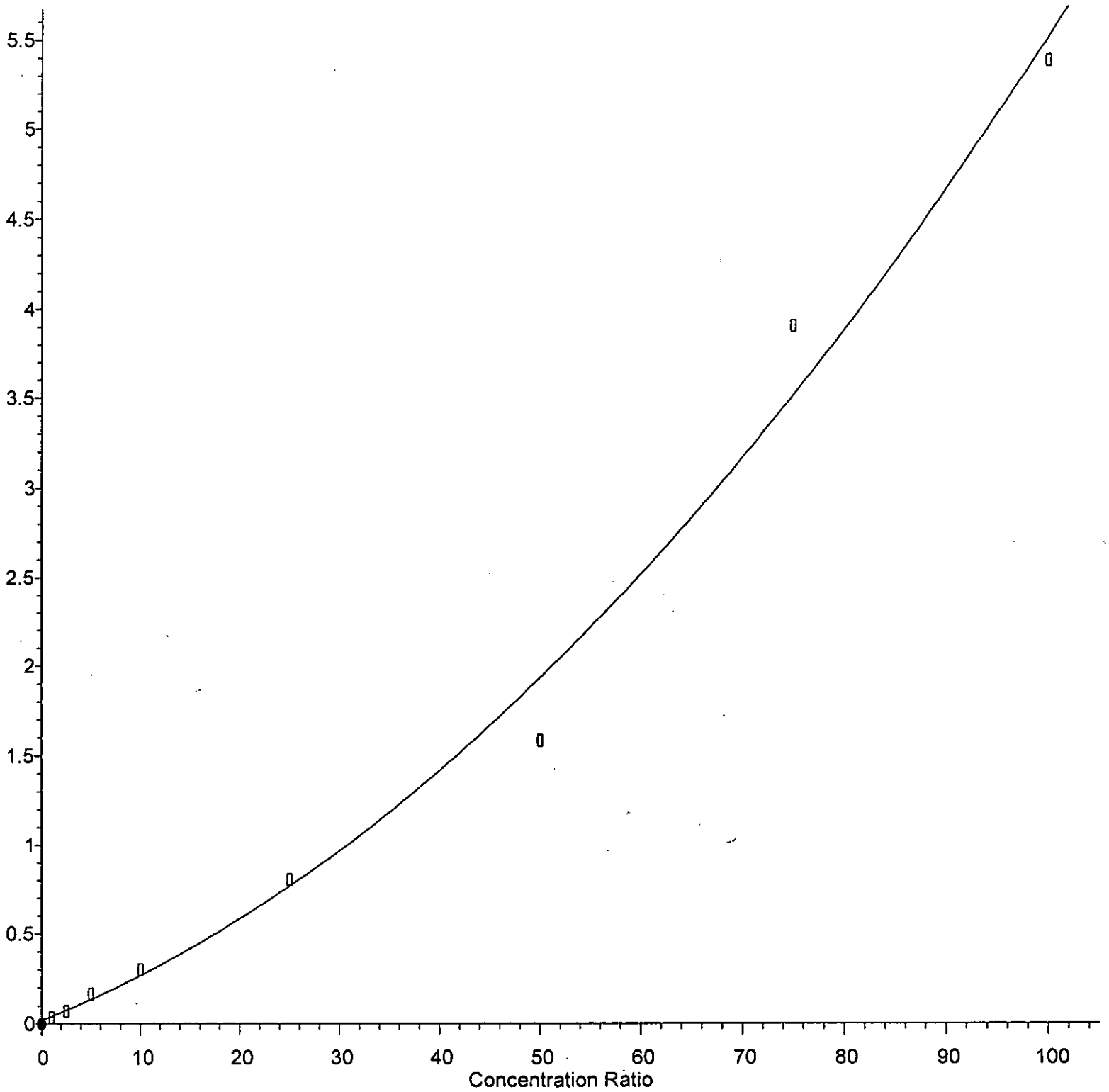
#	ID	Conc	ISTD Conc	Path\File
2	0.2	10	10	D:\Proc_GCMS4\11-08-22\110808.D
3	0.5	10	10	D:\Proc_GCMS4\11-08-22\110809.D
4	1	10	10	D:\Proc_GCMS4\11-08-22\110810.D
5	2	10	10	D:\Proc_GCMS4\11-08-22\110811.D
6	5	10	10	D:\Proc_GCMS4\11-08-22\110812.D
7	10	10	10	D:\Proc_GCMS4\11-08-22\110813.D
8	20	10	10	D:\Proc_GCMS4\11-08-22\110814.D
9	50	10	10	D:\Proc_GCMS4\11-08-22\110815.D
10	100	10	10	D:\Proc_GCMS4\11-08-22\110816.D
11	150	10	10	D:\Proc_GCMS4\11-08-22\110817.D

#	ID	Update Time	Quant Time	Acquisition Time
2	0.2	Nov 08 16:43 2022	Nov 08 16:36 2022	8 Nov 2022 12:05 pm
3	0.5	Nov 08 16:43 2022	Nov 08 16:40 2022	8 Nov 2022 12:29 pm
4	1	Nov 08 16:43 2022	Nov 08 16:41 2022	8 Nov 2022 12:53 pm
5	2	Nov 08 16:43 2022	Nov 08 16:41 2022	8 Nov 2022 1:17 pm
6	5	Nov 08 16:43 2022	Nov 08 16:36 2022	8 Nov 2022 1:42 pm
7	10	Nov 08 16:43 2022	Nov 08 16:36 2022	8 Nov 2022 2:06 pm
8	20	Nov 08 16:43 2022	Nov 08 16:36 2022	8 Nov 2022 2:30 pm
9	50	Nov 08 16:43 2022	Nov 08 16:41 2022	8 Nov 2022 2:55 pm
10	100	Nov 08 16:43 2022	Nov 08 16:41 2022	8 Nov 2022 3:19 pm
11	150	Nov 08 16:43 2022	Nov 08 16:42 2022	8 Nov 2022 3:43 pm

VB110822ms4.M Tue Nov 08 17:32:09 2022

Acetone

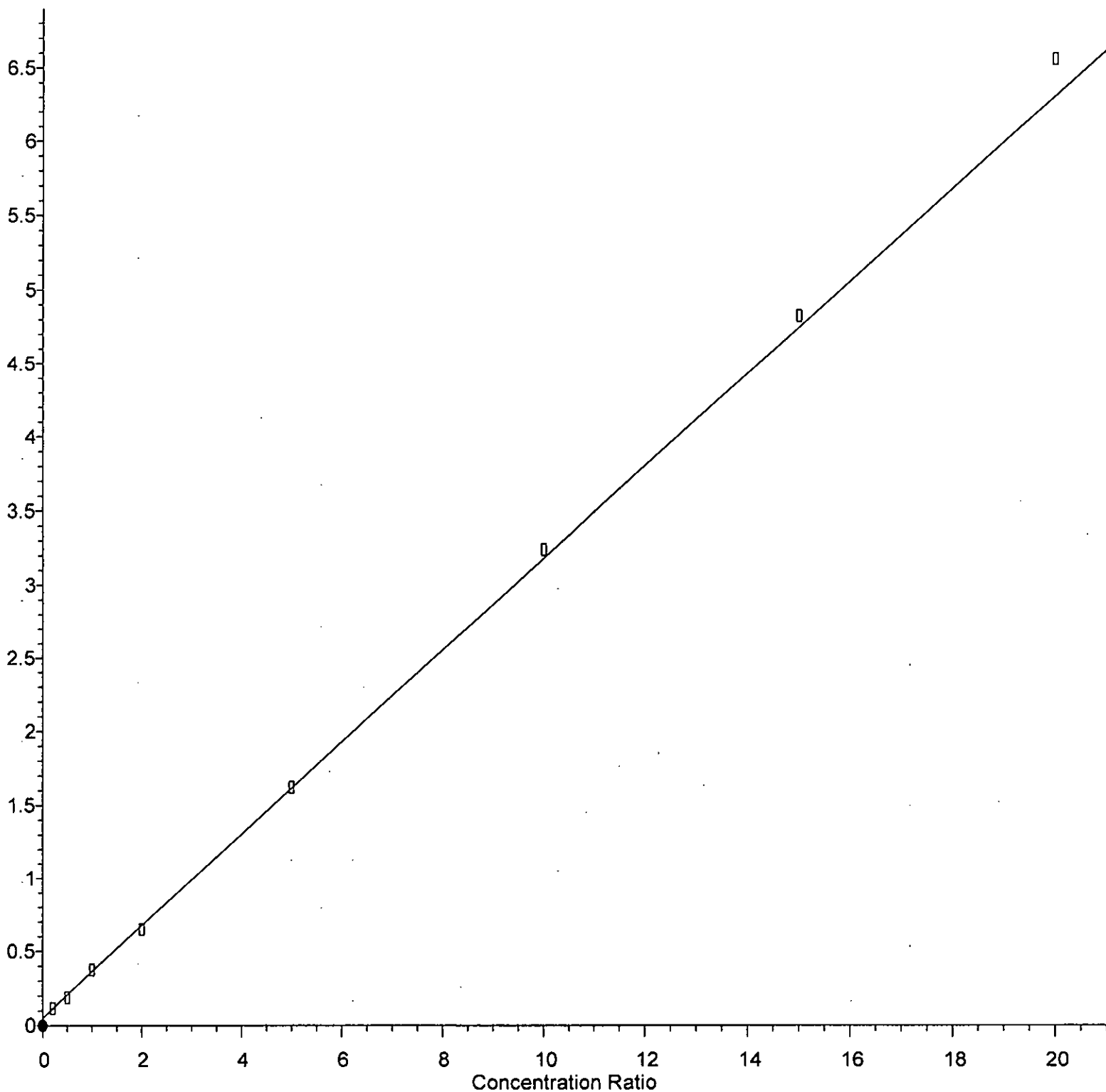
Response Ratio



$R = 3.368e-004 A^2 + 2.144e-002 A + 1.929e-002$
Coef of Det (r^2) = 0.990664 Curve Fit: Quadratic w(1/a)
Method Name: D:\Methods\Inst4\VB110822ms4.M
Calibration Table Last Updated: Tue Nov 08 16:47:05 2022

Methylene chloride

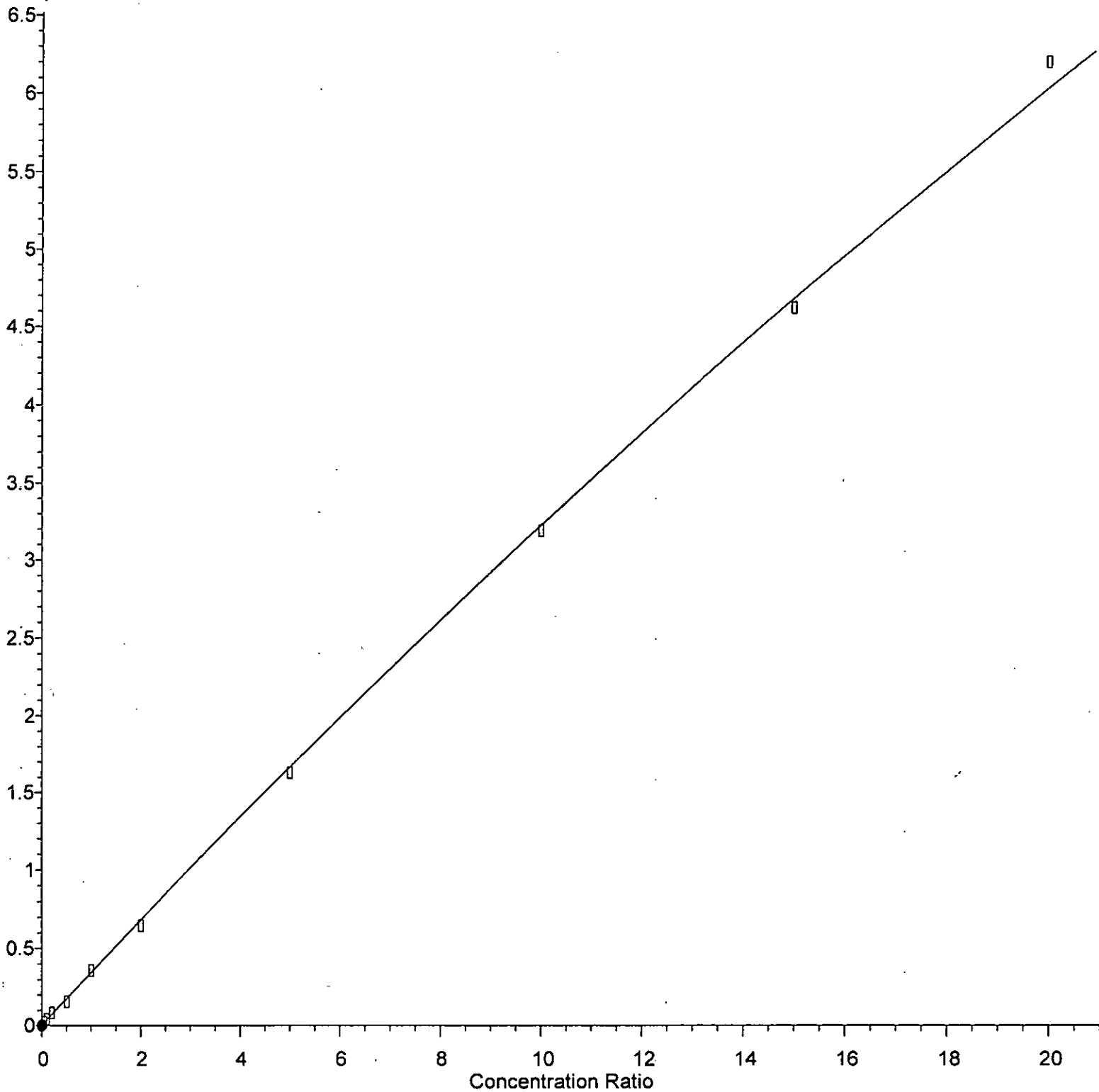
Response Ratio



Response = $3.130e-001 * Amt + 5.033e-002$
Coef of Det (r^2) = 0.995771 Curve Fit: wlr(1/a^2)
Method Name: D:\Methods\Inst4\VB110822ms4.M
Calibration Table Last Updated: Tue Nov 08 16:47:05 2022

2,2-Dichloropropane

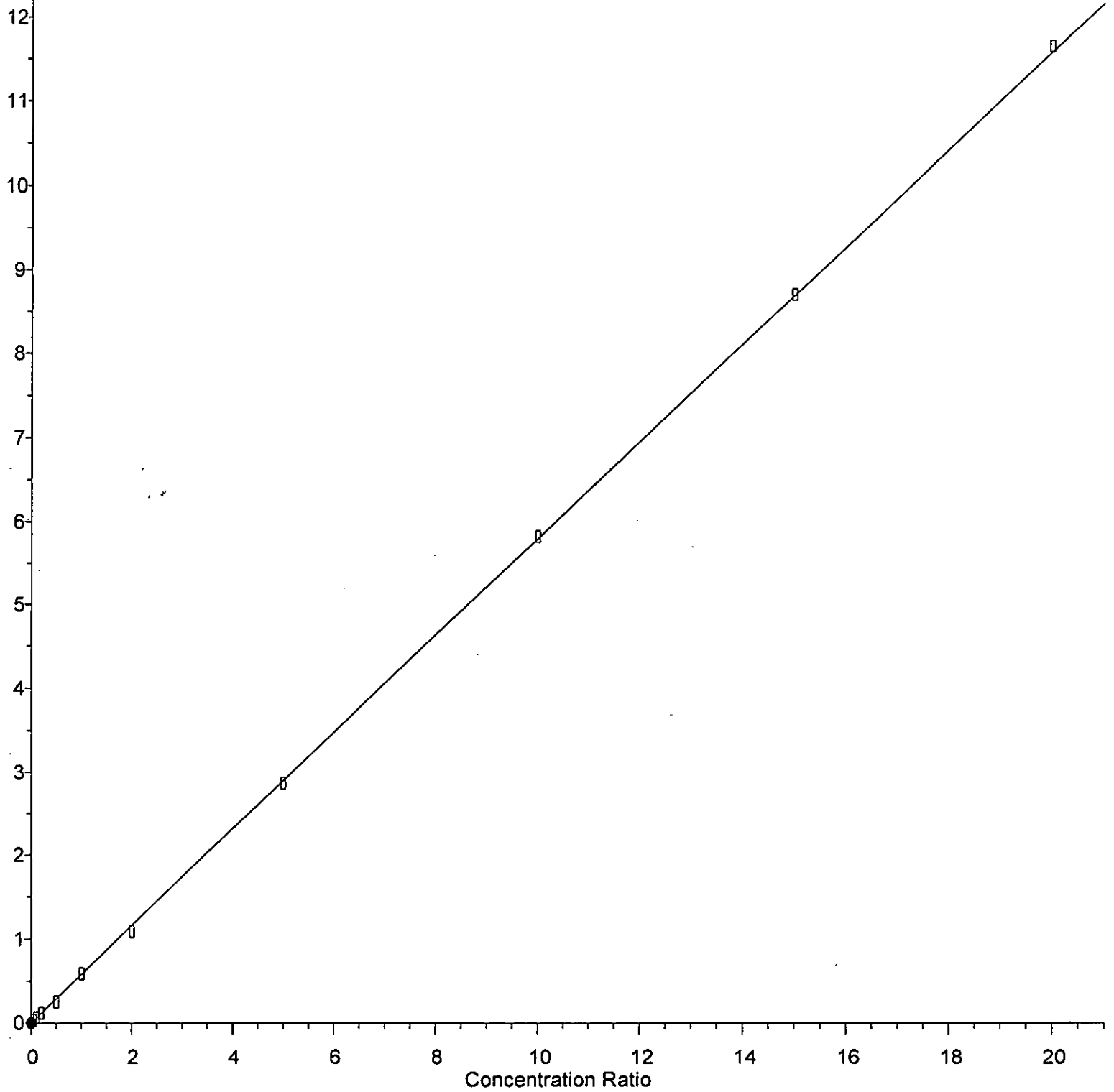
Response Ratio



R = -2.037e-003 A*A + 3.424e-001 A + 5.222e-003
Coef of Det (r^2) = 0.992815 Curve Fit: Quadratic w(1/a^2)
Method Name: D:\Methods\Inst4\VB110822ms4.M
Calibration Table Last Updated: Tue Nov 08 16:47:05 2022

Chloroform

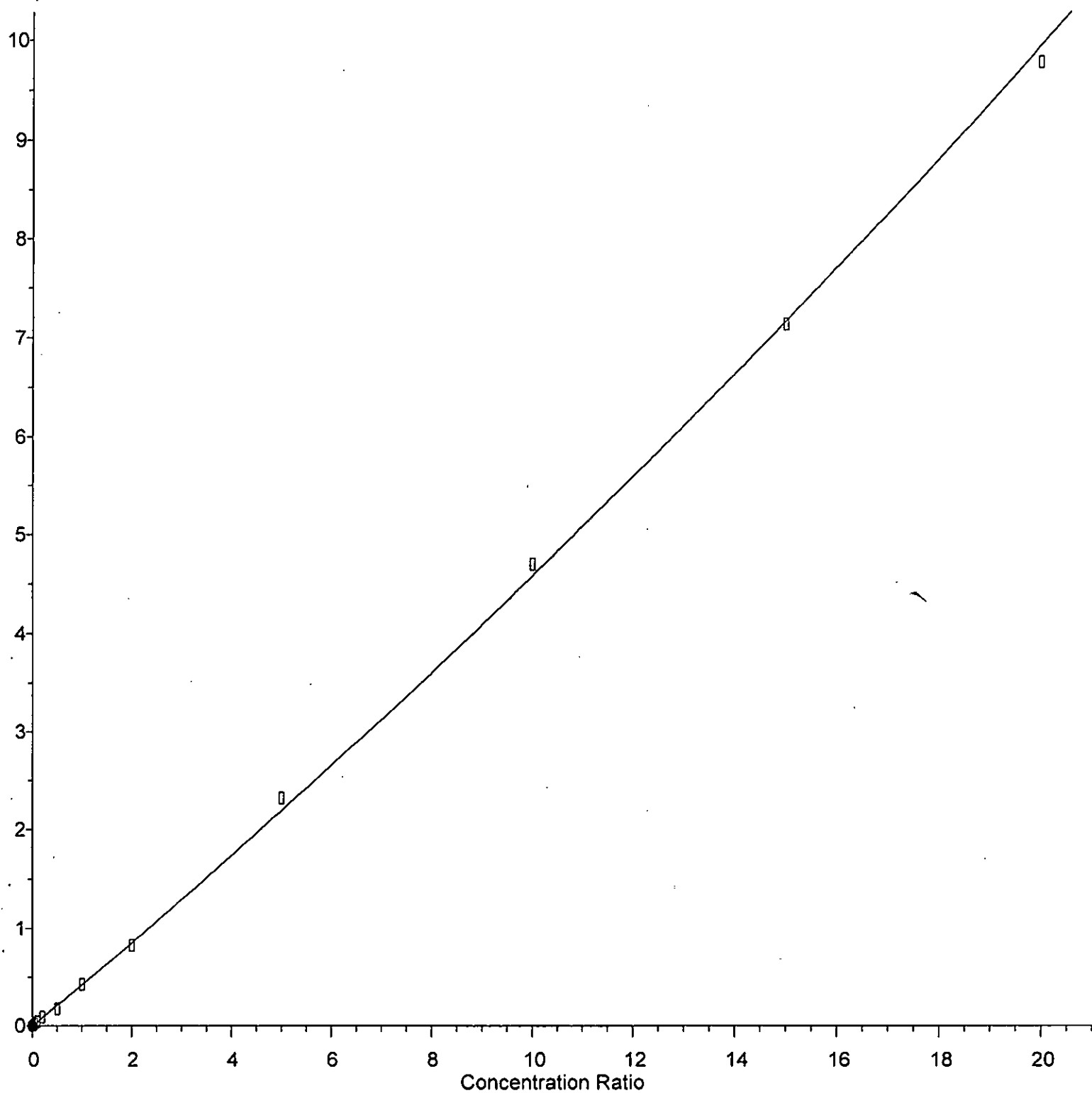
Response Ratio



Response = $5.799e-001 * Amt + 7.110e-004$
Coef of Det (r^2) = 0.999640 Curve Fit: wlr(1/a)
Method Name: D:\Methods\Inst4\VB110822ms4.M
Calibration Table Last Updated: Tue Nov 08 16:47:05 2022

Dibromochloromethane

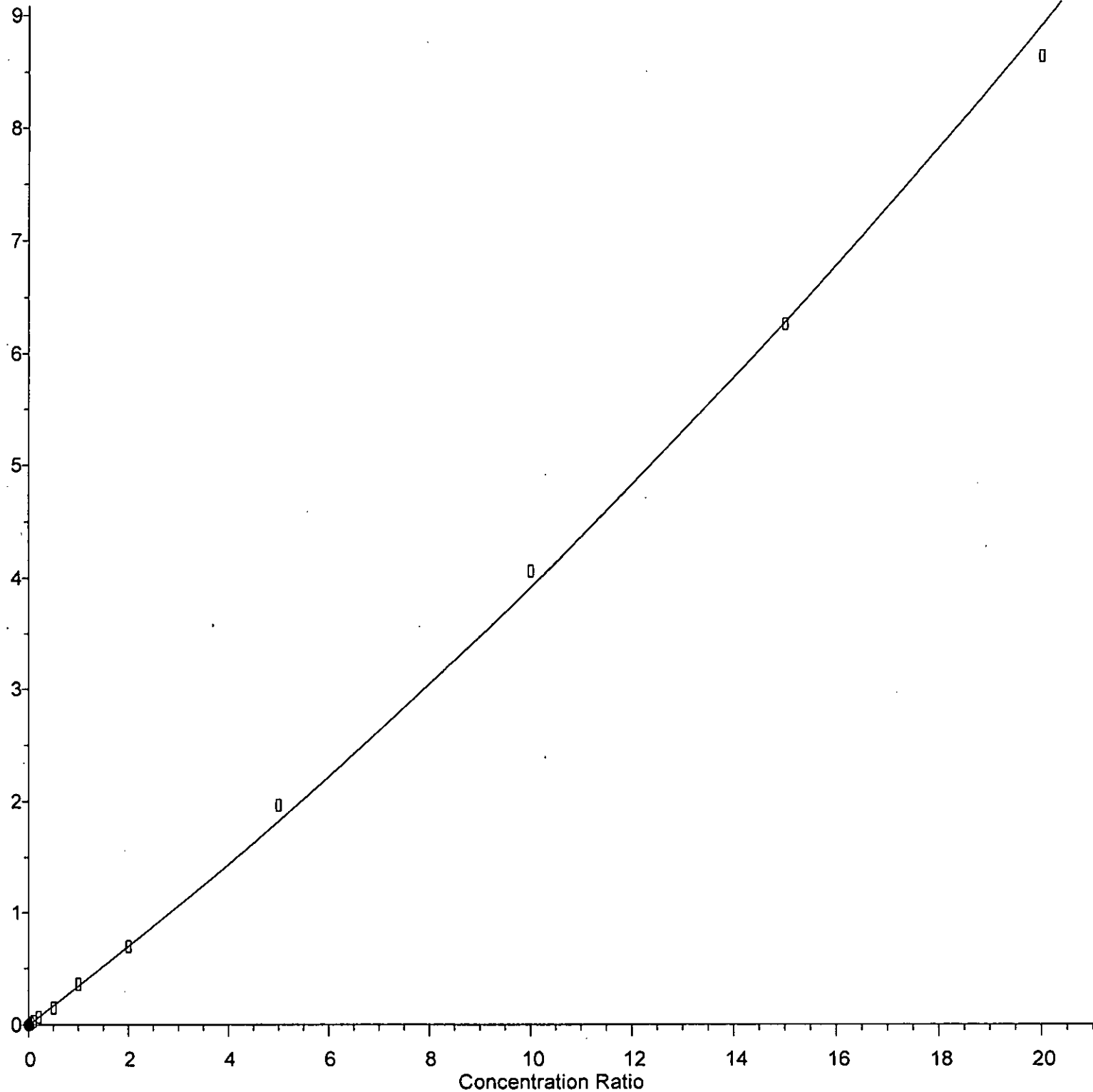
Response Ratio



$R = 3.961e-003 A^2 + 4.190e-001 A - 1.177e-003$
Coef of Det (r^2) = 0.995762 Curve Fit: Quadratic w(1/a^2)
Method Name: D:\Methods\Inst4\VB110822ms4.M
Calibration Table Last Updated: Tue Nov 08 16:47:05 2022

Bromoform

Response Ratio



$R = 5.456e-003 A^2 + 3.370e-001 A - 1.999e-004$
Coef of Det (r^2) = 0.996640 Curve Fit: Quadratic w(1/a^2)
Method Name: D:\Methods\Inst4\VB110822ms4.M
Calibration Table Last Updated: Tue Nov 08 16:47:05 2022

Response Factor Report GCMS4

Method Path : D:\Methods\Inst4\
 Method File : V8110822ms4.M
 Title : 8260 Purge & Trap Volatiles
 Last Update : Tue Nov 08 16:47:05 2022
 Response Via : Initial Calibration

Calibration Files
 0.2 =110808.D 0.5 =110809.D 1 =110810.D 2 =110811.D 5 =110812.D 10 =110813.D 20 =110814.D 50 =110815.D 100 =110816.D 150 =110817.D
 200 =110818.D

Compound	0.2	0.5	1	2	5	10	20	50	100	150	200	Avg	%RSD	
1) I Fluorobenzene												0.000#	-1.00	
2) TMP Ethanol														
3) 5 Dibromofluorom...	0.273	0.268	0.278	0.271	0.282	0.277	0.271	0.274	0.278	0.277	0.275		1.54	
4) TMP Dichlorodifluo...	0.319	0.394	0.372	0.447	0.410	0.429	0.430	0.439	0.445	0.410			10.28	
5) TMP Chloromethane					0.425	0.341	0.401	0.358	0.372	0.380	0.376	0.385	0.380	
6) TMP Vinyl chloride	0.260	0.363	0.379	0.366	0.328	0.392	0.352	0.373	0.383	0.386	0.360		10.45	
7) TMP Bromomethane					0.175	0.222	0.143	0.174	0.142	0.155	0.161		0.168	
8) TMP Chloroethane					0.216	0.216	0.168	0.191	0.170	0.178	0.179	0.199	0.184	0.189
9) TMP Trichlorofluor...					0.541	0.583	0.486	0.574	0.525	0.570	0.583	0.590	0.562	
10) TMP 2-Propanol													0.000	
11) TMP Acetone					0.035	0.028	0.033	0.030	0.032	0.032	0.052	0.054	0.037	27.39
12) TMP 1,1-Dichloroet...	0.399	0.385	0.351	0.351	0.281	0.325	0.304	0.315	0.318	0.317	0.323	0.333	10.51	
13) TMP Hexane					0.418	0.388	0.306	0.342	0.313	0.335	0.329	0.370	0.348	
14) TMP Methylene chlo...					0.579	0.375	0.375	0.325	0.325	0.324	0.322	0.328	0.369	
15) TMP t-Butyl alcoho...					0.059	0.052	0.045	0.052	0.049	0.052	0.050	0.051	0.051	
16) TMP Methyl t-butyl...	0.895	1.025	1.018	1.041	0.851	0.990	0.912	0.965	0.980	0.994	1.015	0.971	6.22	
17) TMP trans-1,2-Dich...	0.440	0.353	0.383	0.363	0.299	0.347	0.317	0.340	0.343	0.343	0.353	0.353	10.24	
18) TMP Diisopropyl et...	0.950	0.948	0.962	0.925	0.753	0.872	0.821	0.876	0.885	0.891	0.890	0.889	6.88	
19) TMP 1,1-Dichloroet...	0.575	0.562	0.577	0.561	0.461	0.535	0.493	0.525	0.530	0.532	0.542	0.536	6.53	
20) TMP Ethyl t-butyl ...					0.428	0.460	0.451	0.371	0.430	0.397	0.428	0.432	0.425	
21) TMP 2,2-Dichloropr...					0.425	0.422	0.414	0.312	0.358	0.323	0.326	0.319	0.308	0.310
22) TMP cis-1,2-Dichlo...	0.474	0.393	0.412	0.403	0.320	0.370	0.347	0.364	0.369	0.372	0.376	0.382	10.38	
23) TMP Chloroform					0.639	0.620	0.606	0.505	0.589	0.545	0.575	0.583	0.581	6.43
24) TMP 2-Butanone (MEK)					0.223	0.193	0.184	0.154	0.173	0.161	0.175	0.177	0.206	12.12
25) TMP t-Amyl methyl ...	0.998	0.991	0.985	1.031	0.825	0.975	0.899	0.965	0.977	0.965	0.977	0.965	0.964	
26) TMP 1,2-Dichloroet...	0.466	0.453	0.467	0.475	0.374	0.434	0.406	0.436	0.438	0.432	0.439	0.438	6.58	
27) TMP 1,1,1-Trichlor...	0.591	0.537	0.560	0.569	0.453	0.532	0.495	0.522	0.532	0.531	0.534	0.532	6.86	
28) TMP 1,1-Dichloropr...	0.496	0.469	0.482	0.468	0.382	0.438	0.406	0.438	0.448	0.447	0.458	0.448	7.30	
29) TMP Carbon tetrach...	0.498	0.491	0.504	0.496	0.395	0.471	0.446	0.477	0.495	0.493	0.505	0.479	6.82	
30) S 1,2-Dichloroet...	0.064	0.064	0.060	0.063	0.064	0.064	0.063	0.064	0.063	0.063	0.063	0.063	1.88	
31) TMP Benzene	1.428	1.356	1.336	1.391	1.075	1.258	1.159	1.273	1.289	1.278	1.300	1.286	7.81	
32) TMP Trichloroethene	0.432	0.410	0.392	0.374	0.307	0.357	0.325	0.352	0.358	0.391	0.405	0.373	10.13	
33) TMP 1,2-Dichloropr...	0.249	0.301	0.306	0.302	0.245	0.289	0.268	0.289	0.294	0.291	0.295	0.284	7.45	
34) TMP Bromodichlorom...	0.447	0.463	0.440	0.451	0.348	0.419	0.394	0.436	0.447	0.447	0.456	0.432	7.79	
35) S Toluene-d8	0.984	0.995	0.998	0.976	0.992	1.009	1.005	1.009	1.008	1.017	1.028	1.002	1.48	
36) TMP Dibromomethane	0.212	0.226	0.228	0.228	0.183	0.218	0.203	0.217	0.220	0.218	0.220	0.216	6.05	
37) TMP 4-Methyl-2-pen...	0.075	0.087	0.076	0.076	0.065	0.075	0.071	0.079	0.081	0.079	0.081	0.077	7.91	

Response Factor Report GCMS4

Method Path : D:\Methods\Inst4\
 Method File : VB110822ms4.M
 Title : 8260 Purge & Trap Volatiles
 38) TMP cis-1,3-Dichlo... 0.518 0.513 0.535 0.502 0.431 0.502 0.466 0.512 0.522 0.520 0.525 0.504 5.96

39) I Chlorobenzene-d5 -----ISTD-----

40) TMP Toluene	0.975	1.005	1.043	1.057	0.809	0.942	0.905	0.971	0.966	0.971	1.002	0.968	7.02
41) TMP trans-1,3-Dich...	0.596	0.538	0.592	0.555	0.470	0.546	0.519	0.559	0.570	0.563	0.573	0.553	6.39
42) TMP 1,1,2-Trichlor...	0.321	0.290	0.320	0.316	0.252	0.287	0.270	0.292	0.293	0.288	0.294	0.293	7.11
43) TMP 2-Hexanone	0.381	0.319	0.328	0.276	0.317	0.296	0.326	0.323	0.317	0.322	0.320	0.320	8.25
44) TMP 1,3-Dichloropr...	0.550	0.611	0.584	0.582	0.469	0.553	0.524	0.571	0.577	0.567	0.573	0.560	6.67
45) TMP Tetrachloroethene	0.420	0.451	0.458	0.472	0.369	0.419	0.403	0.430	0.433	0.431	0.452	0.431	6.62
46) TMP Dibromochlorom...	0.351	0.413	0.419	0.444	0.351	0.425	0.414	0.464	0.470	0.476	0.490	0.429	10.92
47) TMP 1,2-Dibromoeth...	0.408	0.415	0.420	0.412	0.334	0.397	0.378	0.409	0.404	0.399	0.403	0.398	5.99
48) TMP Chlorobenzene	1.205	1.227	1.228	1.199	0.967	1.144	1.064	1.148	1.139	1.138	1.171	1.148	6.69
49) TMP Ethylbenzene	2.069	1.944	1.935	1.946	1.552	1.811	1.695	1.831	1.814	1.814	1.886	1.845	7.50
50) TMP 1,1,1,2-Tetrac...	0.394	0.448	0.451	0.463	0.349	0.426	0.402	0.432	0.432	0.435	0.449	0.426	7.66
51) TMP m,p-Xylene	0.786	0.789	0.774	0.791	0.619	0.626	0.731	0.693	0.736	0.748	0.750	0.746	6.70
52) TMP o-Xylene	0.871	0.752	0.792	0.769	0.619	0.619	0.728	0.679	0.726	0.721	0.733	0.764	8.59
53) TMP Styrene	1.252	1.267	1.277	1.364	1.086	1.264	1.172	1.257	1.286	1.335	1.335	1.258	5.93
54) TMP Isopropylbenzene	1.989	2.022	1.982	1.989	1.580	1.849	1.718	1.835	1.843	1.870	1.983	1.878	7.25
55) TMP Bromoform	0.337	0.309	0.335	0.345	0.299	0.360	0.348	0.393	0.406	0.418	0.432	0.362	12.23

56) I 1,4-Dichlorobenzen... -----ISTD-----

57) S 4-Bromofluorob...	0.718	0.712	0.724	0.698	0.705	0.702	0.697	0.697	0.694	0.699	0.668	0.701	2.09
58) TMP n-Propylbenzene	3.671	3.342	3.527	3.266	2.630	3.091	2.878	3.130	3.137	3.059	3.087	3.165	9.05
59) TMP Bromobenzene	0.937	0.952	1.027	0.987	0.794	0.921	0.849	0.922	0.920	0.887	0.878	0.916	6.98
60) TMP 1,3,5-Trimethy...	2.483	2.396	2.536	2.411	1.966	2.272	2.149	2.335	2.388	2.361	2.402	2.336	6.83
61) TMP 1,1,2,2-Tetrac...	0.913	0.871	0.901	0.860	0.696	0.812	0.754	0.830	0.831	0.713	0.686	0.806	10.13
62) TMP 1,2,3-Trichlor...	0.646	0.651	0.688	0.638	0.528	0.622	0.564	0.618	0.611	0.581	0.569	0.610	7.58
63) TMP 2-Chlorotoluene	2.051	2.074	1.993	2.022	1.630	1.854	1.728	1.860	1.883	1.843	1.846	1.890	7.25
64) TMP 4-Chlorotoluene	2.424	2.387	2.484	2.337	1.893	2.206	2.023	2.225	2.292	2.251	2.262	2.253	7.63
65) TMP tert-Butylbenzene	2.144	2.201	2.261	2.176	1.747	2.035	1.899	2.038	2.076	2.034	2.075	2.062	6.97
66) TMP 1,2,4-Trimethy...	2.585	2.635	2.693	2.567	2.041	2.360	2.201	2.384	2.437	2.406	2.455	2.433	7.87
67) TMP sec-Butylbenzene	2.987	2.846	3.042	2.882	2.335	2.707	2.537	2.748	2.797	2.735	2.840	2.769	7.17
68) TMP p-Isopropyltol...	2.589	2.666	2.836	2.653	2.100	2.457	2.292	2.500	2.558	2.504	2.627	2.526	7.81
69) TMP 1,3-Dichlorobe...	1.789	1.662	1.772	1.715	1.374	1.615	1.489	1.597	1.629	1.597	1.626	1.624	7.32
70) TMP 1,4-Dichlorobe...	1.798	1.773	1.834	1.803	1.421	1.646	1.520	1.637	1.666	1.654	1.676	1.675	7.49
71) TMP 1,2-Dichlorobe...	1.698	1.630	1.775	1.682	1.329	1.573	1.466	1.569	1.615	1.593	1.615	1.595	7.45
72) TMP 1,2-Dibromo-3-...	0.180	0.153	0.139	0.169	0.157	0.173	0.181	0.175	0.177	0.177	0.167	0.167	8.59
73) TMP 1,2,4-Trichlor...	1.174	1.309	1.347	1.261	1.076	1.179	1.123	1.218	1.236	1.128	1.204	1.200	7.52
74) TMP Hexachlorobuta...	0.422	0.523	0.529	0.486	0.418	0.440	0.434	0.468	0.473	0.419	0.477	0.463	8.56
75) TMP Naphthalene	2.729	3.048	3.230	3.055	2.536	2.962	2.804	3.092	3.133	2.900	3.034	2.957	6.79
76) TMP 1,2,3-Trichlor...	1.065	1.217	1.264	1.224	0.969	1.139	1.064	1.168	1.179	1.057	1.150	1.136	7.78

(#) = Out of Range

GC/MS QA-QC Check Report

Tune File : D:\Proc_GCMS4\11-08-22\110806.D

Tune Time : 8 Nov 2022 11:14 am

Daily Calibration File : D:\Proc_GCMS4\11-08-22\110813.D

(DMF) (DHL) (TOL) (BFB)

86139 72870 48476

File	Sample	Surrogate Recovery %					Internal Standard Responses		
110808.D	0.2 ppb 82	101	100	98	102	89075	74574	48941	
110809.D	0.5 ppb 82	99	101	99	102	90028	74657	50024	
110810.D	1 ppb 8260	97	95	100	103	88603	74537	47526	
110811.D	2 ppb 8260	101	100	97	100	88402	71977	47903	
110812.D	5 ppb 8260	98	101	99	100	89475	75227	49685	
110813.D	10 ppb 826	102	101	101	100	86139	72870	48476	
110814.D	20 ppb 826	101	100	100	99	89724	75215	49913	
110815.D	50 ppb 826	99	101	101	99	90079	76555	49605	
110816.D	100 ppb 82	100	99	101	99	90209	77727	50521	
110817.D	150 ppb 82	101	100	101	100	87265	74546	50457	
110818.D	200 ppb 82	101	103	103	95	87283	73762	52648	
110820.D	10 ppb 826	102	101	99	96	83510	70248	47550	

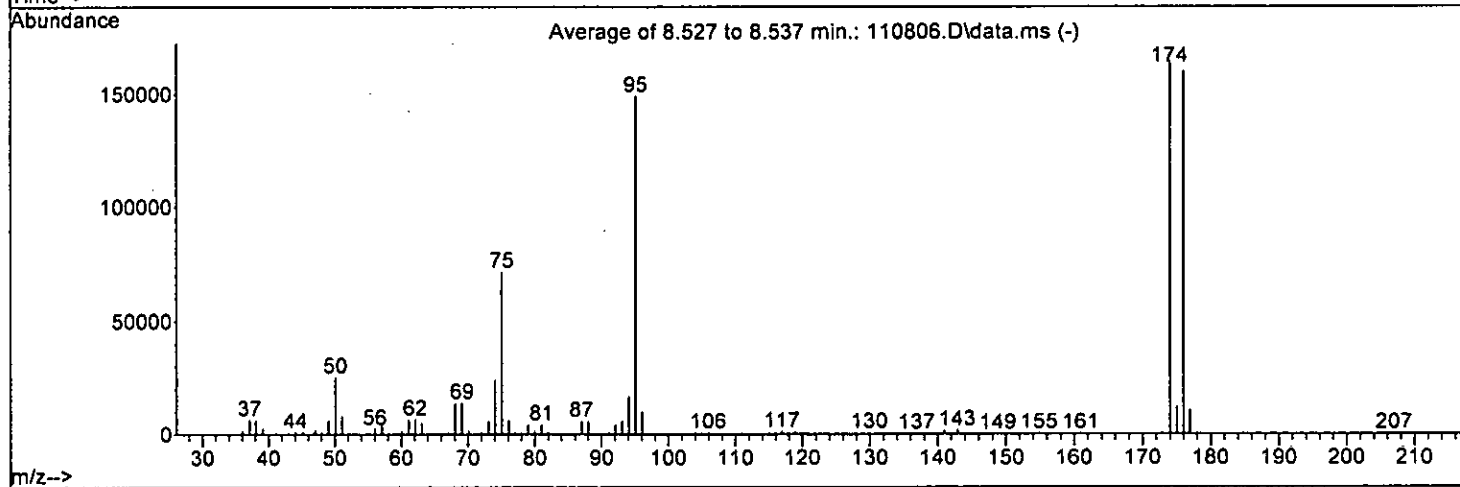
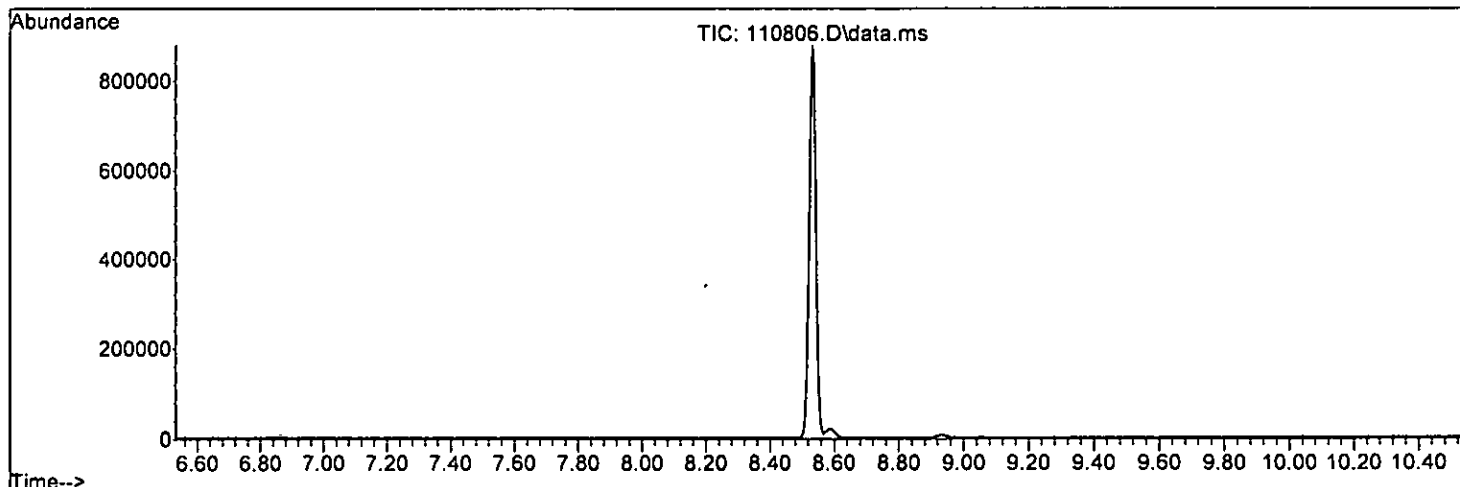
(fails) - fails 12hr time check * - fails criteria

Created: Tue Nov 08 17:33:41 2022 GCMS4

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110806.D
 Acq On : 8 Nov 2022 11:14 am
 Operator : LM
 Sample : 50 ng 8FB 67-152A
 Misc : direct inject
 ALS Vial : 100 Sample Multiplier: 1

Integration File: LSCINT.P

Method : D:\Methods\Inst4\VB110822ms4.M
 Title : 8260 Purge & Trap Volatiles
 Last Update : Tue Nov 08 16:47:05 2022



AutoFind: Scans 1519, 1520, 1521; Background Corrected with Scan 1510

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
95	174	50	200	90.7	149152	PASS
96	95	5	9	6.7	10011	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	200	110.2	164392	PASS
175	174	5	9	7.5	12251	PASS
176	174	95	105	97.4	160173	PASS
177	176	5	10	6.6	10611	PASS

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110808.D
 Acq On : 8 Nov 2022 12:05 pm
 Operator : LM
 Sample : 0.2 ppb 8260 ICAL 67-177I
 Misc : soil/water
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:29 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2 TMP	Ethanol	-1.000	0.000	0.0	0	-1.07#
3 S	Dibromofluoromethane	-1.000	10.087	0.0	0	0.00
4 TMP	Dichlorodifluoromethane	-1.000	0.000	0.0	0	-1.17#
5 TMP	Chloromethane	-1.000	0.000	0.0	0	-1.31#
6 TMP	Vinyl chloride	0.200	0.145	27.5#	100	0.01
7 TMP	Bromomethane	-1.000	0.000	0.0	0	-1.62#
8 TMP	Chloroethane	-1.000	0.000	0.0	0	-1.70#
9 TMP	Trichlorofluoromethane	-1.000	0.000	0.0	0	-1.90#
10 TMP	2-Propanol	-1.000	0.000	0.0	0	-2.99#
11 TMP	Acetone	-1.000	-1.000	0.0	0	0.00
12 TMP	1,1-Dichloroethene	0.200	0.239	-19.5	100	0.00
13 TMP	Hexane	-1.000	0.000	0.0	0	-3.21#
14 TMP	Methylene chloride	-1.000	-0.128	0.0	0	0.00
15 TMP	t-Butyl alcohol (TBA)	-1.000	0.000	0.0	0	-2.87#
16 TMP	Methyl t-butyl ether (MTBE)	0.200	0.184	8.0	100	0.00
17 TMP	trans-1,2-Dichloroethene	0.200	0.249	-24.5#	100	0.00
18 TMP	Diisopropyl ether (DIPE)	0.200	0.214	-7.0	100	0.00
19 TMP	1,1-Dichloroethane	0.200	0.215	-7.5	100	0.00
20 TMP	Ethyl t-butyl ether (ETBE)	-1.000	0.000	0.0	0	-3.71#
21 TMP	2,2-Dichloropropane	-1.000	0.000	0.0	0	-3.81#
22 TMP	cis-1,2-Dichloroethene	0.200	0.248	-24.0#	100	0.00
23 TMP	Chloroform	-1.000	0.000	0.0	0	-4.08#
24 TMP	2-Butanone (MEK)	-1.000	0.000	0.0	0	-3.83#
25 TMP	t-Amyl methyl ether (TAME)	0.200	0.207	-3.5	100	0.00
26 TMP	1,2-Dichloroethane (EDC)	0.200	0.213	-6.5	100	0.00
27 TMP	1,1,1-Trichloroethane	0.200	0.222	-11.0	100	0.00
28 TMP	1,1-Dichloropropene	0.200	0.221	-10.5	100	0.00
29 TMP	Carbon tetrachloride	0.200	0.208	-4.0	100	0.00
30 S	1,2-Dichloroethane-d4	10.000	10.040	-0.4	100	0.00
31 TMP	Benzene	0.200	0.222	-11.0	100	0.00
32 TMP	Trichloroethene	0.200	0.232	-16.0	100	0.00
33 TMP	1,2-Dichloropropane	0.200	0.175	12.5	100	0.00
34 TMP	Bromodichloromethane	0.200	0.207	-3.5	100	0.00
35 S	Toluene-d8	10.000	9.823	1.8	100	0.00
36 TMP	Dibromomethane	0.200	0.196	2.0	100	0.00
37 TMP	4-Methyl-2-pentanone	-1.000	0.000	0.0	0	-6.05#
38 TMP	cis-1,3-Dichloropropene	0.200	0.205	-2.5	100	0.00
39 I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40 TMP	Toluene	0.200	0.201	-0.5	100	0.00
41 TMP	trans-1,3-Dichloropropene	0.200	0.216	-8.0	100	0.00
42 TMP	1,1,2-Trichloroethane	0.200	0.219	-9.5	100	0.00
43 TMP	2-Hexanone	-1.000	0.000	0.0	0	-6.79#

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110808.D
 Acq On : 8 Nov 2022 12:05 pm
 Operator : LM
 Sample : 0.2 ppb 8260 ICAL 67-177I
 Misc : soil/water
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:29 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.200	0.197	1.5	100	0.00
45 TMP Tetrachloroethene	0.200	0.195	2.5	100	0.00
46 TMP Dibromochloromethane	0.200	0.195	2.5	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	0.200	0.205	-2.5	100	0.00
48 TMP Chlorobenzene	0.200	0.210	-5.0	100	0.00
49 TMP Ethylbenzene	0.200	0.224	-12.0	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.200	0.185	7.5	100	0.00
51 TMP m,p-Xylene	0.400	0.422	-5.5	100	0.00
52 TMP o-Xylene	0.200	0.235	-17.5	100	0.00
53 TMP Styrene	0.200	0.199	0.5	100	0.00
54 TMP Isopropylbenzene	0.200	0.212	-6.0	100	0.00
55 TMP Bromoform	0.200	0.206	-3.0	100	0.00
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	10.000	10.238	-2.4	100	0.00
58 TMP n-Propylbenzene	0.200	0.232	-16.0	100	0.00
59 TMP Bromobenzene	0.200	0.205	-2.5	100	0.00
60 TMP 1,3,5-Trimethylbenzene	0.200	0.213	-6.5	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.200	0.227	-13.5	100	0.00
62 TMP 1,2,3-Trichloropropane	0.200	0.212	-6.0	100	0.00
63 TMP 2-Chlorotoluene	0.200	0.217	-8.5	100	0.00
64 TMP 4-Chlorotoluene	0.200	0.215	-7.5	100	0.00
65 TMP tert-Butylbenzene	0.200	0.208	-4.0	100	0.00
66 TMP 1,2,4-Trimethylbenzene	0.200	0.212	-6.0	100	0.00
67 TMP sec-Butylbenzene	0.200	0.216	-8.0	100	0.00
68 TMP p-Isopropyltoluene	0.200	0.205	-2.5	100	0.00
69 TMP 1,3-Dichlorobenzene	0.200	0.220	-10.0	100	0.00
70 TMP 1,4-Dichlorobenzene	0.200	0.215	-7.5	100	0.00
71 TMP 1,2-Dichlorobenzene	0.200	0.213	-6.5	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	-1.000	0.000	0.0	0	-10.80#
73 TMP 1,2,4-Trichlorobenzene	0.200	0.196	2.0	100	0.00
74 TMP Hexachlorobutadiene	0.200	0.182	9.0	100	0.00
75 TMP Naphthalene	0.200	0.185	7.5	100	0.00
76 TMP 1,2,3-Trichlorobenzene	0.200	0.187	6.5	100	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110808.D
 Acq On : 8 Nov 2022 12:05 pm
 Operator : LM
 Sample : 0.2 ppb 8260 ICAL 67-177I
 Misc : soil/water
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:29 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I Fluorobenzene	1.000	1.000	0.0	100	0.00
2 TMP Ethanol	0.000	0.000#	0.0	0#	-1.07#
3 S Dibromofluoromethane	0.275	0.000	100.0#	0#	0.00
4 TMP Dichlorodifluoromethane	0.410	0.000#	100.0#	0#	-1.17#
5 TMP Chloromethane	0.380	0.000#	100.0#	0#	-1.31#
6 TMP Vinyl chloride	0.360	0.260	27.8#	100	0.01
7 TMP Bromomethane	0.168	0.000#	100.0#	0#	-1.62#
8 TMP Chloroethane	0.189	0.000#	100.0#	0#	-1.70#
9 TMP Trichlorofluoromethane	0.562	0.000#	100.0#	0#	-1.90#
10 TMP 2-Propanol	0.000	0.000	0.0	0#	-2.99#
11 TMP Acetone	0.037	0.000#	100.0#	0#	0.00
12 TMP 1,1-Dichloroethene	0.333	0.399	-19.8	100	0.00
13 TMP Hexane	0.348	0.000#	100.0#	0#	-3.21#
14 TMP Methylene chloride	0.369	0.000#	100.0#	0#	0.00
15 TMP t-Butyl alcohol (TBA)	0.051	0.000#	100.0#	0#	-2.87#
16 TMP Methyl t-butyl ether (MTBE)	0.971	0.895	7.8	100	0.00
17 TMP trans-1,2-Dichloroethene	0.353	0.440	-24.6#	100	0.00
18 TMP Diisopropyl ether (DIPE)	0.889	0.950	-6.9	100	0.00
19 TMP 1,1-Dichloroethane	0.536	0.575	-7.3	100	0.00
20 TMP Ethyl t-butyl ether (ETBE)	0.425	0.000#	100.0#	0#	-3.71#
21 TMP 2,2-Dichloropropane	0.352	0.000#	100.0#	0#	-3.81#
22 TMP cis-1,2-Dichloroethene	0.382	0.474	-24.1#	100	0.00
23 TMP Chloroform	0.583	0.000#	100.0#	0#	-4.08#
24 TMP 2-Butanone (MEK)	0.186	0.000#	100.0#	0#	-3.83#
25 TMP t-Amyl methyl ether (TAME)	0.964	0.998	-3.5	100	0.00
26 TMP 1,2-Dichloroethane (EDC)	0.438	0.466	-6.4	100	0.00
27 TMP 1,1,1-Trichloroethane	0.532	0.591	-11.1	100	0.00
28 TMP 1,1-Dichloropropene	0.448	0.496	-10.7	100	0.00
29 TMP Carbon tetrachloride	0.479	0.498	-4.0	100	0.00
30 S 1,2-Dichloroethane-d4	0.063	0.064	-1.6	100	0.00
31 TMP Benzene	1.286	1.428	-11.0	100	0.00
32 TMP Trichloroethene	0.373	0.432	-15.8	100	0.00
33 TMP 1,2-Dichloropropane	0.284	0.249	12.3	100	0.00
34 TMP Bromodichloromethane	0.432	0.447	-3.5	100	0.00
35 S Toluene-d8	1.002	0.984	1.8	100	0.00
36 TMP Dibromomethane	0.216	0.212	1.9	100	0.00
37 TMP 4-Methyl-2-pentanone	0.077	0.000#	100.0#	0#	-6.05#
38 TMP cis-1,3-Dichloropropene	0.504	0.518	-2.8	100	0.00
39 I Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40 TMP Toluene	0.968	0.975	-0.7	100	0.00
41 TMP trans-1,3-Dichloropropene	0.553	0.596	-7.8	100	0.00
42 TMP 1,1,2-Trichloroethane	0.293	0.321	-9.6	100	0.00
43 TMP 2-Hexanone	0.320	0.000#	100.0#	0#	-6.79#

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110808.D
 Acq On : 8 Nov 2022 12:05 pm
 Operator : LM
 Sample : 0.2 ppb 8260 ICAL 67-177I
 Misc : soil/water
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:29 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.560	0.550	1.8	100	0.00
45 TMP Tetrachloroethene	0.431	0.420	2.6	100	0.00
46 TMP Dibromochloromethane	0.429	0.351	18.2	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	0.398	0.408	-2.5	100	0.00
48 TMP Chlorobenzene	1.148	1.205	-5.0	100	0.00
49 TMP Ethylbenzene	1.845	2.069	-12.1	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.426	0.394	7.5	100	0.00
51 TMP m,p-Xylene	0.746	0.786	-5.4	100	0.00
52 TMP o-Xylene	0.741	0.871	-17.5	100	0.00
53 TMP Styrene	1.258	1.252	0.5	100	0.00
54 TMP Isopropylbenzene	1.878	1.989	-5.9	100	0.00
55 TMP Bromoform	0.362	0.337	6.9	100	0.00
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	0.701	0.718	-2.4	100	0.00
58 TMP n-Propylbenzene	3.165	3.671	-16.0	100	0.00
59 TMP Bromobenzene	0.916	0.937	-2.3	100	0.00
60 TMP 1,3,5-Trimethylbenzene	2.336	2.483	-6.3	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.806	0.913	-13.3	100	0.00
62 TMP 1,2,3-Trichloropropane	0.610	0.646	-5.9	100	0.00
63 TMP 2-Chlorotoluene	1.890	2.051	-8.5	100	0.00
64 TMP 4-Chlorotoluene	2.253	2.424	-7.6	100	0.00
65 TMP tert-Butylbenzene	2.062	2.144	-4.0	100	0.00
66 TMP 1,2,4-Trimethylbenzene	2.433	2.585	-6.2	100	0.00
67 TMP sec-Butylbenzene	2.769	2.987	-7.9	100	0.00
68 TMP p-Isopropyltoluene	2.526	2.589	-2.5	100	0.00
69 TMP 1,3-Dichlorobenzene	1.624	1.789	-10.2	100	0.00
70 TMP 1,4-Dichlorobenzene	1.675	1.798	-7.3	100	0.00
71 TMP 1,2-Dichlorobenzene	1.595	1.698	-6.5	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	0.167	0.000#	100.0#	0#	-10.80#
73 TMP 1,2,4-Trichlorobenzene	1.200	1.174	2.2	100	0.00
74 TMP Hexachlorobutadiene	0.463	0.422	8.9	100	0.00
75 TMP Naphthalene	2.957	2.729	7.7	100	0.00
76 TMP 1,2,3-Trichlorobenzene	1.136	1.065	6.2	100	0.00

(#) = Out of Range

SPCC's out = 17 CCC's out = 0

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110808.D
 Acq On : 8 Nov 2022 12:05 pm
 Operator : LM
 Sample : 0.2 ppb 8260 ICAL 67-177I
 Misc : soil/water
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:29 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) Fluorobenzene	4.78	96	89075	10.000	ppb	0.00	
39) Chlorobenzene-d5	7.44	117	74574	10.000	ppb	0.00	
56) 1,4-Dichlorobenzene-d4	9.65	152	48941	10.000	ppb	0.00	
System Monitoring Compounds							
3) Dibromofluoromethane	4.21	113	24699	10.087	ppb	0.00	
Spiked Amount	10.000	Range 0 - 1000	Recovery	= 100.90%			
30) 1,2-Dichloroethane-d4	4.49	102	5678	10.040	ppb	0.00	
Spiked Amount	10.000	Range 90 - 109	Recovery	= 100.40%			
35) Toluene-d8	6.14	98	87650	9.823	ppb	0.00	
Spiked Amount	10.000	Range 89 - 112	Recovery	= 98.20%			
57) 4-Bromofluorobenzene	8.54	95	35138	10.238	ppb	0.00	
Spiked Amount	10.000	Range 84 - 115	Recovery	= 102.40%			
Target Compounds							
							Qvalue
2) Ethanol	0.00		0	N.D.	d		
4) Dichlorodifluoromethane	0.00		0	N.D.	d		
5) Chloromethane	0.00		0	N.D.	d		
6) Vinyl chloride	1.41	62	464	0.145	ppb	#	43
7) Bromomethane	0.00		0	N.D.	d		
8) Chloroethane	0.00		0	N.D.	d		
9) Trichlorofluoromethane	0.00		0	N.D.	d		
10) 2-Propanol	0.00		0	N.D.			
11) Acetone	2.38	58	328	Below Cal		#	38
12) 1,1-Dichloroethene	2.33	96	710	0.239	ppb	#	78
13) Hexane	0.00		0	N.D.	d		
14) Methylene chloride	2.74	84	4126	Below Cal			82
15) t-Butyl alcohol (TBA)	0.00		0	N.D.	d		
16) Methyl t-butyl ether (...)	2.99	73	1594	0.184	ppb		87
17) trans-1,2-Dichloroethene	2.97	96	783	0.249	ppb	#	56
18) Diisopropyl ether (DIPE)	3.40	45	1692	0.214	ppb		88
19) 1,1-Dichloroethane	3.32	63	1024	0.215	ppb		77
20) Ethyl t-butyl ether (E...)	0.00		0	N.D.	d		
21) 2,2-Dichloropropane	0.00		0	N.D.	d		
22) cis-1,2-Dichloroethene	3.81	96	845	0.248	ppb	#	66
23) Chloroform	0.00		0	N.D.	d		
24) 2-Butanone (MEK)	0.00		0	N.D.	d		
25) t-Amyl methyl ether (T...)	4.66	73	1778	0.207	ppb		87
26) 1,2-Dichloroethane (EDC)	4.56	62	830	0.213	ppb		77
27) 1,1,1-Trichloroethane	4.23	97	1052	0.222	ppb		88
28) 1,1-Dichloropropene	4.37	75	883	0.221	ppb		77
29) Carbon tetrachloride	4.37	117	888	0.208	ppb		98
31) Benzene	4.54	78	2544	0.222	ppb		100
32) Trichloroethene	5.09	95	770	0.232	ppb		89
33) 1,2-Dichloropropane	5.28	63	443	0.175	ppb		89
34) Bromodichloromethane	5.51	83	797	0.207	ppb		83
36) Dibromomethane	5.37	93	377	0.196	ppb	#	69

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110808.D
 Acq On : 8 Nov 2022 12:05 pm
 Operator : LM
 Sample : 0.2 ppb 8260 ICAL 67-177I
 Misc : soil/water
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS4

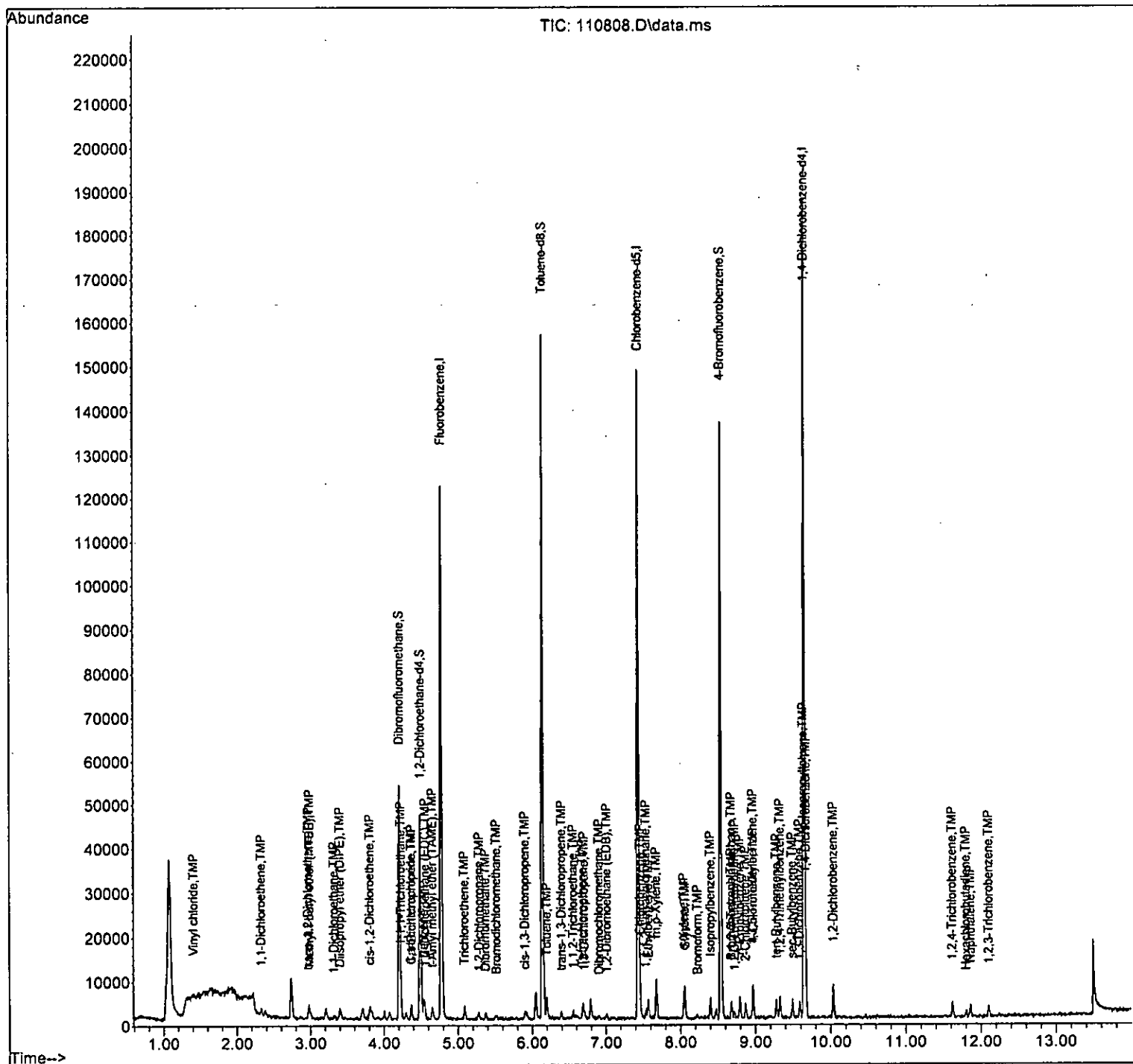
Quant Time: Nov 08 16:47:29 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.00		0	N.D.	d	
38) cis-1,3-Dichloropropene	5.90	75	922	0.205	ppb	77
40) Toluene	6.20	92	1454	0.201	ppb	94
41) trans-1,3-Dichloropropene	6.39	75	889	0.216	ppb	85
42) 1,1,2-Trichloroethane	6.55	83	479	0.219	ppb #	76
43) 2-Hexanone	0.00		0	N.D.	d	
44) 1,3-Dichloropropane	6.70	76	821	0.197	ppb	66
45) Tetrachloroethene	6.68	164	626	0.195	ppb	86
46) Dibromochloromethane	6.91	129	523	0.195	ppb	95
47) 1,2-Dibromoethane (EDB)	7.01	107	609	0.205	ppb	86
48) Chlorobenzene	7.46	112	1797	0.210	ppb	89
49) Ethylbenzene	7.57	91	3086	0.224	ppb	92
50) 1,1,1,2-Tetrachloroethane	7.54	131	587	0.185	ppb	90
51) m,p-Xylene	7.67	106	2346	0.422	ppb #	66
52) o-Xylene	8.05	106	1299	0.235	ppb #	74
53) Styrene	8.06	104	1868	0.199	ppb	89
54) Isopropylbenzene	8.40	105	2966	0.212	ppb	99
55) Bromoform	8.23	173	503	0.206	ppb #	37
58) n-Propylbenzene	8.79	91	3593	0.232	ppb	99
59) Bromobenzene	8.68	156	917	0.205	ppb	77
60) 1,3,5-Trimethylbenzene	8.97	105	2430	0.213	ppb	91
61) 1,1,2,2-Tetrachloroethane	8.68	83	894	0.227	ppb	86
62) 1,2,3-Trichloropropane	8.72	75	632	0.212	ppb	71
63) 2-Chlorotoluene	8.87	91	2008	0.217	ppb	90
64) 4-Chlorotoluene	8.97	91	2373	0.215	ppb	85
65) tert-Butylbenzene	9.28	119	2099	0.208	ppb	77
66) 1,2,4-Trimethylbenzene	9.33	105	2530	0.212	ppb	76
67) sec-Butylbenzene	9.49	105	2924	0.216	ppb	96
68) p-Isopropyltoluene	9.64	119	2534	0.205	ppb	95
69) 1,3-Dichlorobenzene	9.59	146	1751	0.220	ppb	88
70) 1,4-Dichlorobenzene	9.67	146	1760	0.215	ppb	89
71) 1,2-Dichlorobenzene	10.04	146	1662	0.213	ppb	88
72) 1,2-Dibromo-3-chloropr...	0.00		0	N.D.		
73) 1,2,4-Trichlorobenzene	11.62	180	1149	0.196	ppb #	72
74) Hexachlorobutadiene	11.80	225	413	0.182	ppb	89
75) Naphthalene	11.86	128	2671	0.185	ppb	95
76) 1,2,3-Trichlorobenzene	12.10	180	1042	0.187	ppb	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110808.D
 Acq On : 8 Nov 2022 12:05 pm
 Operator : LM
 Sample : 0.2 ppb 8260 ICAL 67-177I
 Misc : soil/water
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:29 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110809.D
 Acq On : 8 Nov 2022 12:29 pm
 Operator : LM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 7 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:31 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I Fluorobenzene	10.000	10.000	0.0	100	0.00
2 TMP Ethanol	-1.000	0.000	0.0	0	-1.07#
3 S Dibromofluoromethane	10.000	9.929	0.7	100	0.00
4 TMP Dichlorodifluoromethane	-1.000	0.000	0.0	0	-1.17#
5 TMP Chloromethane	-1.000	0.000	0.0	0	-1.31#
6 TMP Vinyl chloride	0.500	0.504	-0.8	100	0.00
7 TMP Bromomethane	-1.000	0.000	0.0	0	-1.62#
8 TMP Chloroethane	-1.000	0.000	0.0	0	-1.70#
9 TMP Trichlorofluoromethane	-1.000	0.000	0.0	0	-1.90#
10 TMP 2-Propanol	-1.000	0.000	0.0	0	-2.99#
11 TMP Acetone	-1.000	-1.000	0.0	0	0.00
12 TMP 1,1-Dichloroethene	0.500	0.578	-15.6	100	0.00
13 TMP Hexane	-1.000	0.000	0.0	0	-3.21#
14 TMP Methylene chloride	-1.000	0.000	0.0	0	-2.73#
15 TMP t-Butyl alcohol (TBA)	-1.000	0.000	0.0	0	-2.87#
16 TMP Methyl t-butyl ether (MTBE)	0.500	0.527	-5.4	100	0.00
17 TMP trans-1,2-Dichloroethene	0.500	0.501	-0.2	100	0.00
18 TMP Diisopropyl ether (DIPE)	0.500	0.534	-6.8	100	0.00
19 TMP 1,1-Dichloroethane	0.500	0.525	-5.0	100	0.00
20 TMP Ethyl t-butyl ether (ETBE)	0.500	0.504	-0.8	100	0.00
21 TMP 2,2-Dichloropropane	0.500	0.469	6.2	100	0.00
22 TMP cis-1,2-Dichloroethene	0.500	0.514	-2.8	100	0.00
23 TMP Chloroform	0.500	0.539	-7.8	100	0.00
24 TMP 2-Butanone (MEK)	2.500	2.998	-19.9	100	0.00
25 TMP t-Amyl methyl ether (TAME)	0.500	0.514	-2.8	100	0.00
26 TMP 1,2-Dichloroethane (EDC)	0.500	0.516	-3.2	100	0.00
27 TMP 1,1,1-Trichloroethane	0.500	0.504	-0.8	100	0.00
28 TMP 1,1-Dichloropropane	0.500	0.523	-4.6	100	0.00
29 TMP Carbon tetrachloride	0.500	0.512	-2.4	100	0.00
30 S 1,2-Dichloroethane-d4	10.000	10.089	-0.9	100	0.00
31 TMP Benzene	0.500	0.527	-5.4	100	0.00
32 TMP Trichloroethene	0.500	0.550	-10.0	100	0.00
33 TMP 1,2-Dichloropropane	0.500	0.530	-6.0	100	0.00
34 TMP Bromodichloromethane	0.500	0.537	-7.4	100	0.00
35 S Toluene-d8	10.000	9.929	0.7	100	0.00
36 TMP Dibromomethane	0.500	0.524	-4.8	100	0.00
37 TMP 4-Methyl-2-pentanone	2.500	2.431	2.8	100	0.00
38 TMP cis-1,3-Dichloropropene	0.500	0.509	-1.8	100	0.00
39 I Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40 TMP Toluene	0.500	0.519	-3.8	100	0.00
41 TMP trans-1,3-Dichloropropene	0.500	0.487	2.6	100	0.00
42 TMP 1,1,2-Trichloroethane	0.500	0.495	1.0	100	0.00
43 TMP 2-Hexanone	2.500	2.970	-18.8	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110809.D
 Acq On : 8 Nov 2022 12:29 pm
 Operator : LM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 7 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:31 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.500	0.546	-9.2	100	0.00
45 TMP Tetrachloroethene	0.500	0.524	-4.8	100	0.00
46 TMP Dibromochloromethane	0.500	0.521	-4.2	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	0.500	0.521	-4.2	100	0.00
48 TMP Chlorobenzene	0.500	0.534	-6.8	100	0.00
49 TMP Ethylbenzene	0.500	0.527	-5.4	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.500	0.526	-5.2	100	0.00
51 TMP m,p-Xylene	1.000	1.057	-5.7	100	0.00
52 TMP o-Xylene	0.500	0.507	-1.4	100	0.00
53 TMP Styrene	0.500	0.504	-0.8	100	0.00
54 TMP Isopropylbenzene	0.500	0.538	-7.6	100	0.00
55 TMP Bromoform	0.500	0.464	7.2	100	0.00
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	10.000	10.159	-1.6	100	0.00
58 TMP n-Propylbenzene	0.500	0.528	-5.6	100	0.00
59 TMP Bromobenzene	0.500	0.520	-4.0	100	0.00
60 TMP 1,3,5-Trimethylbenzene	0.500	0.513	-2.6	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.500	0.540	-8.0	100	0.00
62 TMP 1,2,3-Trichloropropane	0.500	0.533	-6.6	100	0.00
63 TMP 2-Chlorotoluene	0.500	0.549	-9.8	100	0.00
64 TMP 4-Chlorotoluene	0.500	0.530	-6.0	100	0.00
65 TMP tert-Butylbenzene	0.500	0.534	-6.8	100	0.00
66 TMP 1,2,4-Trimethylbenzene	0.500	0.542	-8.4	100	0.00
67 TMP sec-Butylbenzene	0.500	0.514	-2.8	100	0.00
68 TMP p-Isopropyltoluene	0.500	0.528	-5.6	100	0.00
69 TMP 1,3-Dichlorobenzene	0.500	0.512	-2.4	100	0.00
70 TMP 1,4-Dichlorobenzene	0.500	0.529	-5.8	100	0.00
71 TMP 1,2-Dichlorobenzene	0.500	0.511	-2.2	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	-1.000	0.000	0.0	0	-10.80#
73 TMP 1,2,4-Trichlorobenzene	0.500	0.545	-9.0	100	0.00
74 TMP Hexachlorobutadiene	0.500	0.565	-13.0	100	0.00
75 TMP Naphthalene	0.500	0.515	-3.0	100	0.00
76 TMP 1,2,3-Trichlorobenzene	0.500	0.536	-7.2	100	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110809.D
 Acq On : 8 Nov 2022 12:29 pm
 Operator : LM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 7 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:31 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2 TMP	Ethanol	0.000	0.000#	0.0	0#	-1.07#
3 S	Dibromofluoromethane	0.275	0.273	0.7	100	0.00
4 TMP	Dichlorodifluoromethane	0.410	0.000#	100.0#	0#	-1.17#
5 TMP	Chloromethane	0.380	0.000#	100.0#	0#	-1.31#
6 TMP	Vinyl chloride	0.360	0.363	-0.8	100	0.00
7 TMP	Bromomethane	0.168	0.000#	100.0#	0#	-1.62#
8 TMP	Chloroethane	0.189	0.000#	100.0#	0#	-1.70#
9 TMP	Trichlorofluoromethane	0.562	0.000#	100.0#	0#	-1.90#
10 TMP	2-Propanol	0.000	0.000	0.0	0#	-2.99#
11 TMP	Acetone	0.037	0.000#	100.0#	0#	0.00
12 TMP	1,1-Dichloroethene	0.333	0.385	-15.6	100	0.00
13 TMP	Hexane	0.348	0.000#	100.0#	0#	-3.21#
14 TMP	Methylene chloride	0.369	0.000#	100.0#	0#	-2.73#
15 TMP	t-Butyl alcohol (TBA)	0.051	0.000#	100.0#	0#	-2.87#
16 TMP	Methyl t-butyl ether (MTBE)	0.971	1.025	-5.6	100	0.00
17 TMP	trans-1,2-Dichloroethene	0.353	0.353	0.0	100	0.00
18 TMP	Diisopropyl ether (DIPE)	0.889	0.948	-6.6	100	0.00
19 TMP	1,1-Dichloroethane	0.536	0.562	-4.9	100	0.00
20 TMP	Ethyl t-butyl ether (ETBE)	0.425	0.428	-0.7	100	0.00
21 TMP	2,2-Dichloropropane	0.352	0.425	-20.7#	100	0.00
22 TMP	cis-1,2-Dichloroethene	0.382	0.393	-2.9	100	0.00
23 TMP	Chloroform	0.583	0.639	-9.6	100	0.00
24 TMP	2-Butanone (MEK)	0.186	0.223	-19.9	100	0.00
25 TMP	t-Amyl methyl ether (TAME)	0.964	0.991	-2.8	100	0.00
26 TMP	1,2-Dichloroethane (EDC)	0.438	0.453	-3.4	100	0.00
27 TMP	1,1,1-Trichloroethane	0.532	0.537	-0.9	100	0.00
28 TMP	1,1-Dichloropropene	0.448	0.469	-4.7	100	0.00
29 TMP	Carbon tetrachloride	0.479	0.491	-2.5	100	0.00
30 S	1,2-Dichloroethane-d4	0.063	0.064	-1.6	100	0.00
31 TMP	Benzene	1.286	1.356	-5.4	100	0.00
32 TMP	Trichloroethene	0.373	0.410	-9.9	100	0.00
33 TMP	1,2-Dichloropropane	0.284	0.301	-6.0	100	0.00
34 TMP	Bromodichloromethane	0.432	0.463	-7.2	100	0.00
35 S	Toluene-d8	1.002	0.995	0.7	100	0.00
36 TMP	Dibromomethane	0.216	0.226	-4.6	100	0.00
37 TMP	4-Methyl-2-pentanone	0.077	0.075	2.6	100	0.00
38 TMP	cis-1,3-Dichloropropene	0.504	0.513	-1.8	100	0.00
39 I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40 TMP	Toluene	0.968	1.005	-3.8	100	0.00
41 TMP	trans-1,3-Dichloropropene	0.553	0.538	2.7	100	0.00
42 TMP	1,1,2-Trichloroethane	0.293	0.290	1.0	100	0.00
43 TMP	2-Hexanone	0.320	0.381	-19.1	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110809.D
 Acq On : 8 Nov 2022 12:29 pm
 Operator : LM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 7 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:31 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.560	0.611	-9.1	100	0.00
45 TMP Tetrachloroethene	0.431	0.451	-4.6	100	0.00
46 TMP Dibromochloromethane	0.429	0.413	3.7	100	0.00
47 TMP 1,2-Dibromoethane (EOB)	0.398	0.415	-4.3	100	0.00
48 TMP Chlorobenzene	1.148	1.227	-6.9	100	0.00
49 TMP Ethylbenzene	1.845	1.944	-5.4	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.426	0.448	-5.2	100	0.00
51 TMP m,p-Xylene	0.746	0.789	-5.8	100	0.00
52 TMP o-Xylene	0.741	0.752	-1.5	100	0.00
53 TMP Styrene	1.258	1.267	-0.7	100	0.00
54 TMP Isopropylbenzene	1.878	2.022	-7.7	100	0.00
55 TMP Bromoform	0.362	0.309	14.6	100	0.00
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	0.701	0.712	-1.6	100	0.00
58 TMP n-Propylbenzene	3.165	3.342	-5.6	100	0.00
59 TMP Bromobenzene	0.916	0.952	-3.9	100	0.00
60 TMP 1,3,5-Trimethylbenzene	2.336	2.396	-2.6	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.806	0.871	-8.1	100	0.00
62 TMP 1,2,3-Trichloropropane	0.610	0.651	-6.7	100	0.00
63 TMP 2-Chlorotoluene	1.890	2.074	-9.7	100	0.00
64 TMP 4-Chlorotoluene	2.253	2.387	-5.9	100	0.00
65 TMP tert-Butylbenzene	2.062	2.201	-6.7	100	0.00
66 TMP 1,2,4-Trimethylbenzene	2.433	2.635	-8.3	100	0.00
67 TMP sec-Butylbenzene	2.769	2.846	-2.8	100	0.00
68 TMP p-Isopropyltoluene	2.526	2.666	-5.5	100	0.00
69 TMP 1,3-Dichlorobenzene	1.624	1.662	-2.3	100	0.00
70 TMP 1,4-Dichlorobenzene	1.675	1.773	-5.9	100	0.00
71 TMP 1,2-Dichlorobenzene	1.595	1.630	-2.2	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	0.167	0.000#	100.0#	0#	-10.80#
73 TMP 1,2,4-Trichlorobenzene	1.200	1.309	-9.1	100	0.00
74 TMP Hexachlorobutadiene	0.463	0.523	-13.0	100	0.00
75 TMP Naphthalene	2.957	3.048	-3.1	100	0.00
76 TMP 1,2,3-Trichlorobenzene	1.136	1.217	-7.1	100	0.00

(#) = Out of Range SPCC's out = 11 CCC's out = 0

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110809.D
 Acq On : 8 Nov 2022 12:29 pm
 Operator : LM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 7 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:31 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	4.78	96	90028	10.000	ppb	0.00
39) Chlorobenzene-d5	7.43	117	74657	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.65	152	50024	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.21	113	24573	9.929	ppb	0.00
Spiked Amount	10.000	Range 0 - 1000	Recovery =	99.30%		
30) 1,2-Dichloroethane-d4	4.49	102	5767	10.089	ppb	0.00
Spiked Amount	10.000	Range 90 - 109	Recovery =	100.90%		
35) Toluene-d8	6.14	98	89541	9.929	ppb	0.00
Spiked Amount	10.000	Range 89 - 112	Recovery =	99.30%		
57) 4-Bromofluorobenzene	8.54	95	35639	10.159	ppb	0.00
Spiked Amount	10.000	Range 84 - 115	Recovery =	101.60%		
Target Compounds						
						Qvalue
2) Ethanol	0.00		0	N.D.	d	
4) Dichlorodifluoromethane	0.00		0	N.D.	d	
5) Chloromethane	0.00		0	N.D.	d	
6) Vinyl chloride	1.40	62	1634	0.504	ppb	92
7) Bromomethane	0.00		0	N.D.	d	
8) Chloroethane	0.00		0	N.D.	d	
9) Trichlorofluoromethane	0.00		0	N.D.	d	
10) 2-Propanol	0.00		0	N.D.	d	
11) Acetone	2.39	58	1099	Below Cal	#	85
12) 1,1-Dichloroethene	2.32	96	1734	0.578	ppb	# 56
13) Hexane	0.00		0	N.D.	d	
14) Methylene chloride	0.00		0	N.D.	d	
15) t-Butyl alcohol (TBA)	0.00		0	N.D.	d	
16) Methyl t-butyl ether (...)	2.98	73	4612	0.527	ppb	98
17) trans-1,2-Dichloroethene	2.97	96	1590	0.501	ppb	# 79
18) Diisopropyl ether (DIPE)	3.40	45	4269	0.534	ppb	91
19) 1,1-Dichloroethane	3.32	63	2530	0.525	ppb	90
20) Ethyl t-butyl ether (E...)	3.70	87	1927	0.504	ppb	90
21) 2,2-Dichloropropane	3.81	77	1915	0.469	ppb	96
22) cis-1,2-Dichloroethene	3.81	96	1769	0.514	ppb	# 71
23) Chloroform	4.08	83	2878	0.539	ppb	94
24) 2-Butanone (MEK)	3.84	43	5023	2.998	ppb	90
25) t-Amyl methyl ether (T...)	4.65	73	4463	0.514	ppb	95
26) 1,2-Dichloroethane (EDC)	4.55	62	2037	0.516	ppb	85
27) 1,1,1-Trichloroethane	4.23	97	2418	0.504	ppb	86
28) 1,1-Dichloropropene	4.37	75	2109	0.523	ppb	96
29) Carbon tetrachloride	4.37	117	2208	0.512	ppb	97
31) Benzene	4.54	78	6104	0.527	ppb	97
32) Trichloroethene	5.09	95	1846	0.550	ppb	# 71
33) 1,2-Dichloropropane	5.28	63	1357	0.530	ppb	89
34) Bromodichloromethane	5.51	83	2086	0.537	ppb	91
36) Dibromomethane	5.37	93	1018	0.524	ppb	97

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110809.D
 Acq On : 8 Nov 2022 12:29 pm
 Operator : LM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 7 Sample Multiplier: 1
 InstName : GCMS4

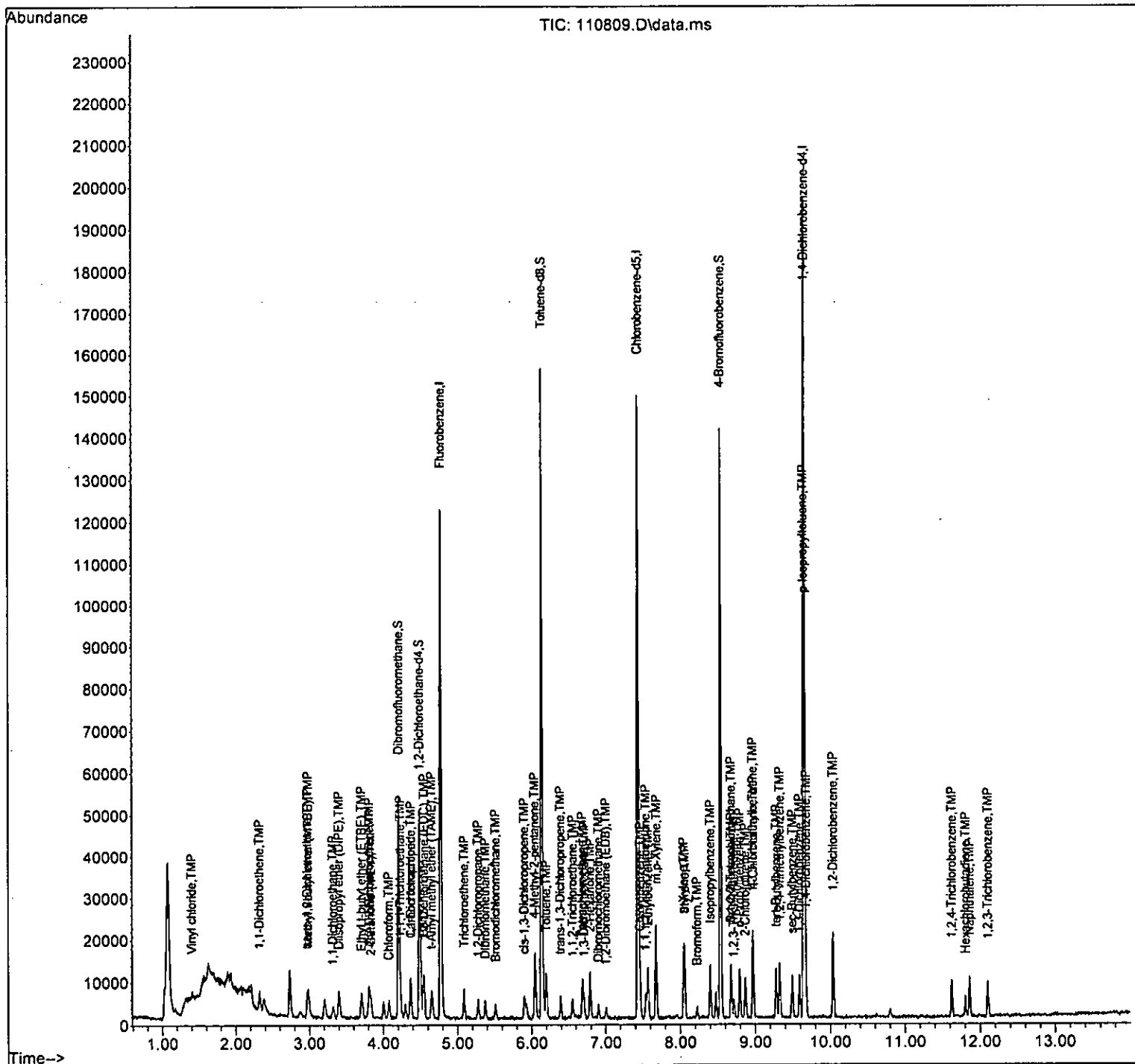
Quant Time: Nov 08 16:47:31 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	6.04	85	1683	2.431	ppb #	52
38) cis-1,3-Dichloropropene	5.90	75	2311	0.509	ppb	91
40) Toluene	6.20	92	3753	0.519	ppb	94
41) trans-1,3-Dichloropropene	6.39	75	2010	0.487	ppb	90
42) 1,1,2-Trichloroethane	6.56	83	1083	0.495	ppb	96
43) 2-Hexanone	6.79	43	7105	2.970	ppb	95
44) 1,3-Dichloropropane	6.71	76	2282	0.546	ppb	89
45) Tetrachloroethene	6.69	164	1685	0.524	ppb	93
46) Dibromochloromethane	6.90	129	1542	0.521	ppb	91
47) 1,2-Dibromoethane (EDB)	7.00	107	1548	0.521	ppb	84
48) Chlorobenzene	7.47	112	4581	0.534	ppb	81
49) Ethylbenzene	7.57	91	7256	0.527	ppb	95
50) 1,1,1,2-Tetrachloroethane	7.54	131	1672	0.526	ppb	85
51) m,p-Xylene	7.68	106	5889	1.057	ppb	91
52) o-Xylene	8.05	106	2806	0.507	ppb #	78
53) Styrene	8.06	104	4730	0.504	ppb	88
54) Isopropylbenzene	8.40	105	7546	0.538	ppb	96
55) Bromoform	8.22	173	1153	0.464	ppb	81
58) n-Propylbenzene	8.79	91	8358	0.528	ppb	99
59) Bromobenzene	8.68	156	2382	0.520	ppb	87
60) 1,3,5-Trimethylbenzene	8.97	105	5992	0.513	ppb	84
61) 1,1,2,2-Tetrachloroethane	8.68	83	2179	0.540	ppb	93
62) 1,2,3-Trichloropropane	8.72	75	1628	0.533	ppb	91
63) 2-Chlorotoluene	8.87	91	5187	0.549	ppb	97
64) 4-Chlorotoluene	8.97	91	5970	0.530	ppb	93
65) tert-Butylbenzene	9.28	119	5506	0.534	ppb	83
66) 1,2,4-Trimethylbenzene	9.33	105	6591	0.542	ppb	100
67) sec-Butylbenzene	9.49	105	7119	0.514	ppb	91
68) p-Isopropyltoluene	9.64	119	6668	0.528	ppb	95
69) 1,3-Dichlorobenzene	9.59	146	4158	0.512	ppb	84
70) 1,4-Dichlorobenzene	9.68	146	4435	0.529	ppb	92
71) 1,2-Dichlorobenzene	10.04	146	4077	0.511	ppb	92
72) 1,2-Dibromo-3-chloropr...	0.00		0	N.D.	d	
73) 1,2,4-Trichlorobenzene	11.62	180	3274	0.545	ppb	96
74) Hexachlorobutadiene	11.81	225	1307	0.565	ppb	98
75) Naphthalene	11.86	128	7624	0.515	ppb	95
76) 1,2,3-Trichlorobenzene	12.10	180	3044	0.536	ppb	91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110809.D
 Acq On : 8 Nov 2022 12:29 pm
 Operator : LM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 7 Sample Multiplier: 1
 InstName : GCMS4

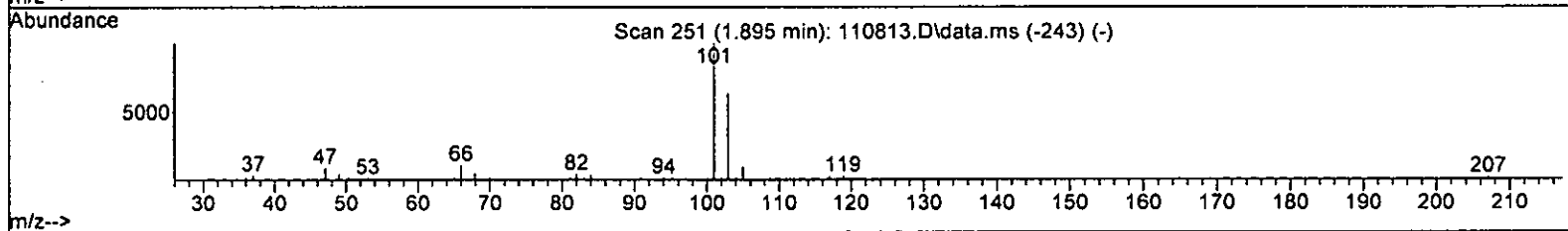
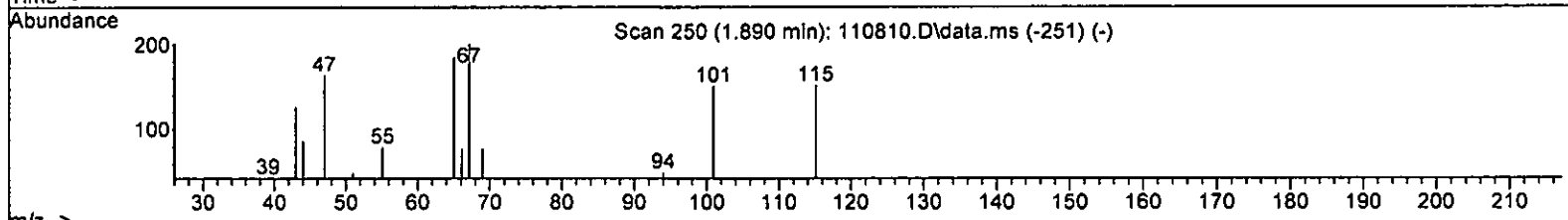
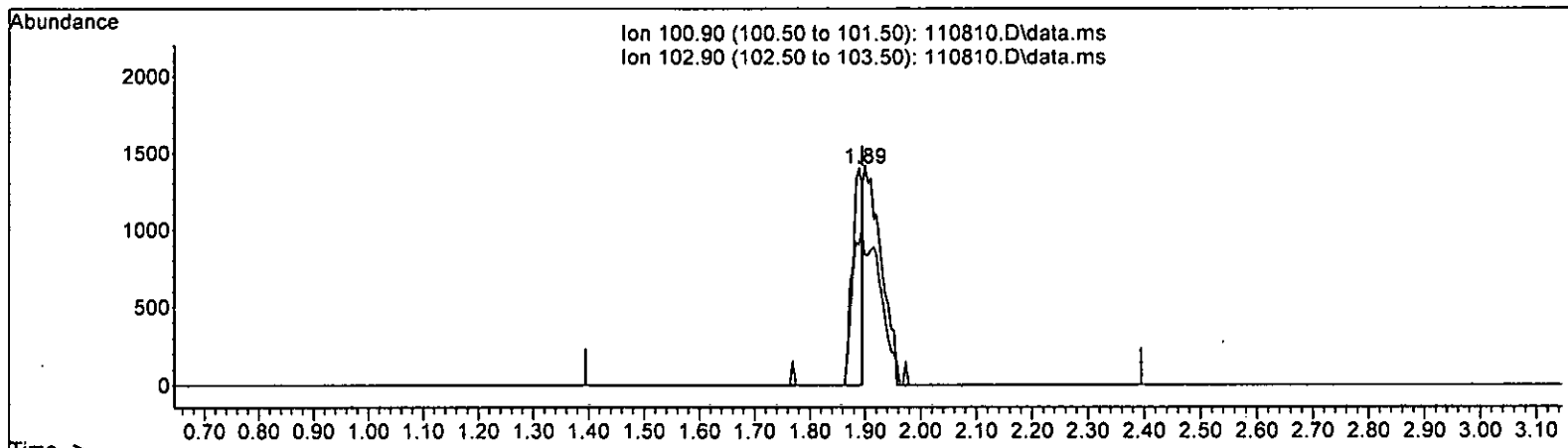
Quant Time: Nov 08 16:47:31 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110810.D
 Acq On : 8 Nov 2022 12:53 pm
 Operator : LM
 Sample : 1 ppb 8260 ICAL 67-177K
 Misc : soil/water
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:33 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



TIC: 110810.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.890min (-0.005) 0.356 ppb

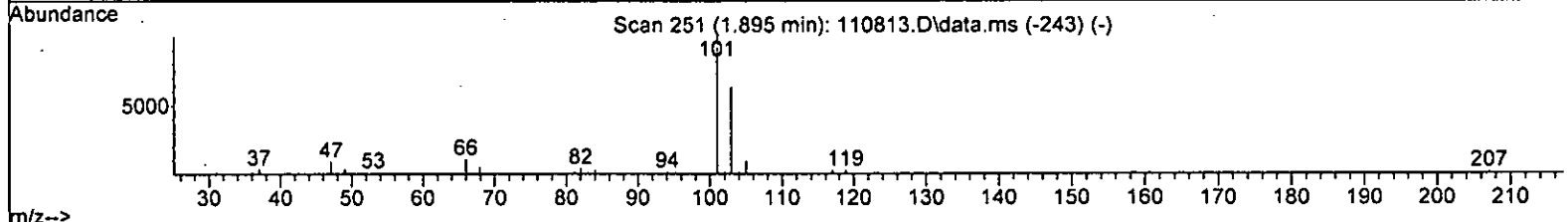
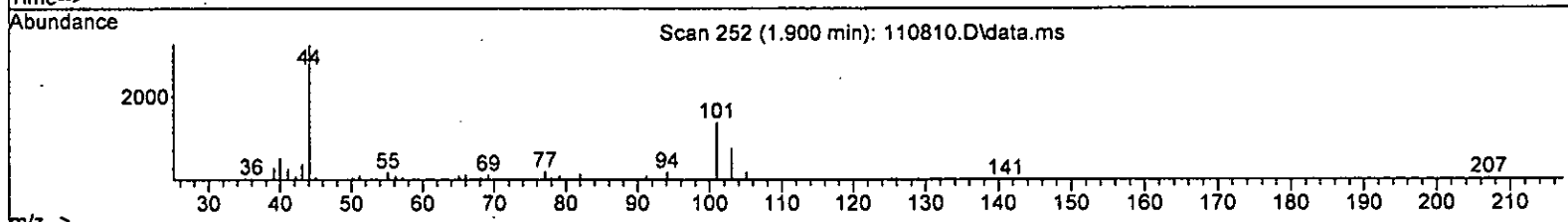
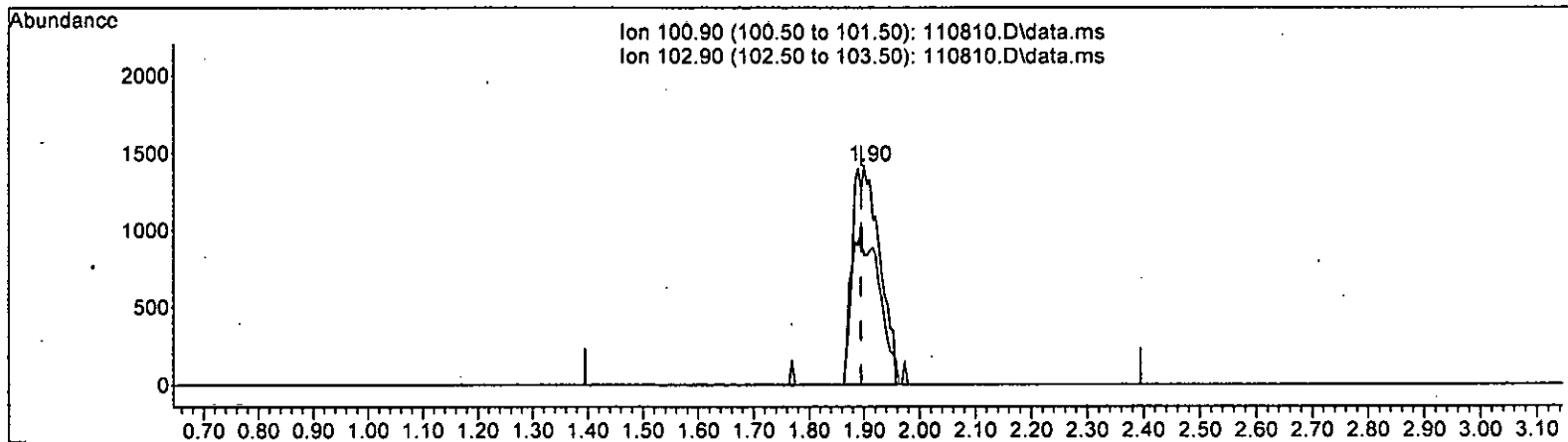
response 1770

Ion	Exp%	Act%
100.90	100.00	100.00
102.90	61.00	63.96
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110810.D
 Acq On : 8 Nov 2022 12:53 pm
 Operator : LM
 Sample : 1 ppb 8260 ICAL 67-177K
 Misc : soil/water
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:33 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



TIC: 110810.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.900min (+ 0.005) 0.963 ppb m

response 4795

Ion	Exp%	Act%
100.90	100.00	100.00
102.90	61.00	58.73
0.00	0.00	0.00
0.00	0.00	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110810.D
 Acq On : 8 Nov 2022 12:53 pm
 Operator : LM
 Sample : 1 ppb 8260 ICAL 67-177K
 Misc : soil/water
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:33 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I Fluorobenzene	10.000	10.000	0.0	100	0.00
2 TMP Ethanol	-1.000	0.000	0.0	0	-1.07#
3 S Dibromofluoromethane	10.000	9.749	2.5	100	0.00
4 TMP Dichlorodifluoromethane	1.000	0.779	22.1#	100	0.00
5 TMP Chloromethane	-1.000	0.000	0.0	0	-1.31#
6 TMP Vinyl chloride	1.000	1.053	-5.3	100	0.00
7 TMP Bromomethane	1.000	0.806	19.4	77	0.00
8 TMP Chloroethane	1.000	1.144	-14.4	100	0.00
9 TMP Trichlorofluoromethane	1.000	0.963	3.7	100	0.00
10 TMP 2-Propanol	-1.000	0.000	0.0	0	-2.99#
11 TMP Acetone	-1.000	1.962	0.0	0	0.00
12 TMP 1,1-Dichloroethene	1.000	1.054	-5.4	100	0.00
13 TMP Hexane	1.000	1.201	-20.1#	100	0.00
14 TMP Methylene chloride	-1.000	0.000	0.0	0	-2.73#
15 TMP t-Butyl alcohol (TBA)	5.000	5.712	-14.2	100	0.00
16 TMP Methyl t-butyl ether (MTBE)	1.000	1.048	-4.8	100	0.00
17 TMP trans-1,2-Dichloroethene	1.000	1.086	-8.6	100	0.00
18 TMP Diisopropyl ether (DIPE)	1.000	1.083	-8.3	100	0.00
19 TMP 1,1-Dichloroethane	1.000	1.078	-7.8	100	0.00
20 TMP Ethyl t-butyl ether (ETBE)	1.000	1.082	-8.2	100	0.00
21 TMP 2,2-Dichloropropane	1.000	1.080	-8.0	100	0.00
22 TMP cis-1,2-Dichloroethene	1.000	1.078	-7.8	100	0.00
23 TMP Chloroform	1.000	1.057	-5.7	100	0.00
24 TMP 2-Butanone (MEK)	5.000	5.180	-3.6	100	0.00
25 TMP t-Amyl methyl ether (TAME)	1.000	1.022	-2.2	100	0.00
26 TMP 1,2-Dichloroethane (EDC)	1.000	1.067	-6.7	100	0.00
27 TMP 1,1,1-Trichloroethane	1.000	1.051	-5.1	100	0.00
28 TMP 1,1-Dichloropropene	1.000	1.075	-7.5	100	0.00
29 TMP Carbon tetrachloride	1.000	1.052	-5.2	100	0.00
30 S 1,2-Dichloroethane-d4	10.000	9.519	4.8	100	0.00
31 TMP Benzene	1.000	1.039	-3.9	100	0.00
32 TMP Trichloroethene	1.000	1.050	-5.0	100	0.00
33 TMP 1,2-Dichloropropane	1.000	1.075	-7.5	100	0.00
34 TMP Bromodichloromethane	1.000	1.019	-1.9	100	0.00
35 S Toluene-d8	10.000	9.962	0.4	100	0.00
36 TMP Dibromomethane	1.000	1.057	-5.7	100	0.00
37 TMP 4-Methyl-2-pentanone	5.000	5.654	-13.1	100	0.00
38 TMP cis-1,3-Dichloropropene	1.000	1.061	-6.1	100	0.00
39 I Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40 TMP Toluene	1.000	1.078	-7.8	100	0.00
41 TMP trans-1,3-Dichloropropene	1.000	1.070	-7.0	100	0.00
42 TMP 1,1,2-Trichloroethane	1.000	1.093	-9.3	100	0.00
43 TMP 2-Hexanone	5.000	4.977	0.5	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110810.D
 Acq On : 8 Nov 2022 12:53 pm
 Operator : LM
 Sample : 1 ppb 8260 ICAL 67-177K
 Misc : soil/water
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:33 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	1.000	1.042	-4.2	100	0.00
45 TMP Tetrachloroethene	1.000	1.064	-6.4	100	0.00
46 TMP Dibromochloromethane	1.000	1.027	-2.7	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	1.000	1.055	-5.5	100	0.00
48 TMP Chlorobenzene	1.000	1.069	-6.9	100	0.00
49 TMP Ethylbenzene	1.000	1.049	-4.9	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	1.000	1.061	-6.1	100	0.00
51 TMP m,p-Xylene	2.000	2.076	-3.8	100	0.00
52 TMP o-Xylene	1.000	1.068	-6.8	100	0.00
53 TMP Styrene	1.000	1.015	-1.5	100	0.00
54 TMP Isopropylbenzene	1.000	1.056	-5.6	100	0.00
55 TMP Bromoform	1.000	0.998	0.2	100	0.00
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	10.000	10.323	-3.2	100	0.00
58 TMP n-Propylbenzene	1.000	1.114	-11.4	100	0.00
59 TMP Bromobenzene	1.000	1.122	-12.2	100	0.00
60 TMP 1,3,5-Trimethylbenzene	1.000	1.086	-8.6	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	1.000	1.118	-11.8	100	0.00
62 TMP 1,2,3-Trichloropropane	1.000	1.127	-12.7	100	0.00
63 TMP 2-Chlorotoluene	1.000	1.055	-5.5	100	0.00
64 TMP 4-Chlorotoluene	1.000	1.103	-10.3	100	0.00
65 TMP tert-Butylbenzene	1.000	1.096	-9.6	100	0.00
66 TMP 1,2,4-Trimethylbenzene	1.000	1.107	-10.7	100	0.00
67 TMP sec-Butylbenzene	1.000	1.099	-9.9	100	0.00
68 TMP p-Isopropyltoluene	1.000	1.123	-12.3	100	0.00
69 TMP 1,3-Dichlorobenzene	1.000	1.091	-9.1	100	0.00
70 TMP 1,4-Dichlorobenzene	1.000	1.094	-9.4	100	0.00
71 TMP 1,2-Dichlorobenzene	1.000	1.113	-11.3	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	1.000	1.079	-7.9	100	0.00
73 TMP 1,2,4-Trichlorobenzene	1.000	1.122	-12.2	100	0.00
74 TMP Hexachlorobutadiene	1.000	1.142	-14.2	100	0.00
75 TMP Naphthalene	1.000	1.092	-9.2	100	0.00
76 TMP 1,2,3-Trichlorobenzene	1.000	1.113	-11.3	100	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110810.D
 Acq On : 8 Nov 2022 12:53 pm
 Operator : LM
 Sample : 1 ppb 8260 ICAL 67-177K
 Misc : soil/water
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:33 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I Fluorobenzene	1.000	1.000	0.0	100	0.00
2 TMP Ethanol	0.000	0.000#	0.0	0#	-1.07#
3 S Dibromofluoromethane	0.275	0.268	2.5	100	0.00
4 TMP Dichlorodifluoromethane	0.410	0.319	22.2#	100	0.00
5 TMP Chloromethane	0.380	0.000#	100.0#	0#	-1.31#
6 TMP Vinyl chloride	0.360	0.379	-5.3	100	0.00
7 TMP Bromomethane	0.168	0.135	19.6	77	0.00
8 TMP Chloroethane	0.189	0.216	-14.3	100	0.00
9 TMP Trichlorofluoromethane	0.562	0.541	3.7	100	0.00
10 TMP 2-Propanol	0.000	0.000	0.0	0#	-2.99#
11 TMP Acetone	0.037	0.000#	100.0#	0#	0.00
12 TMP 1,1-Dichloroethene	0.333	0.351	-5.4	100	0.00
13 TMP Hexane	0.348	0.418	-20.1#	100	0.00
14 TMP Methylene chloride	0.369	0.000#	100.0#	0#	-2.73#
15 TMP t-Butyl alcohol (TBA)	0.051	0.059	-15.7	100	0.00
16 TMP Methyl t-butyl ether (MTBE)	0.971	1.018	-4.8	100	0.00
17 TMP trans-1,2-Dichloroethene	0.353	0.383	-8.5	100	0.00
18 TMP Diisopropyl ether (DIPE)	0.889	0.962	-8.2	100	0.00
19 TMP 1,1-Dichloroethane	0.536	0.577	-7.6	100	0.00
20 TMP Ethyl t-butyl ether (ETBE)	0.425	0.460	-8.2	100	0.00
21 TMP 2,2-Dichloropropane	0.352	0.422	-19.9	100	0.00
22 TMP cis-1,2-Dichloroethene	0.382	0.412	-7.9	100	0.00
23 TMP Chloroform	0.583	0.620	-6.3	100	0.00
24 TMP 2-Butanone (MEK)	0.186	0.193	-3.8	100	0.00
25 TMP t-Amyl methyl ether (TAME)	0.964	0.985	-2.2	100	0.00
26 TMP 1,2-Dichloroethane (EDC)	0.438	0.467	-6.6	100	0.00
27 TMP 1,1,1-Trichloroethane	0.532	0.560	-5.3	100	0.00
28 TMP 1,1-Dichloropropene	0.448	0.482	-7.6	100	0.00
29 TMP Carbon tetrachloride	0.479	0.504	-5.2	100	0.00
30 S 1,2-Dichloroethane-d4	0.063	0.060	4.8	100	0.00
31 TMP Benzene	1.286	1.336	-3.9	100	0.00
32 TMP Trichloroethene	0.373	0.392	-5.1	100	0.00
33 TMP 1,2-Dichloropropane	0.284	0.306	-7.7	100	0.00
34 TMP Bromodichloromethane	0.432	0.440	-1.9	100	0.00
35 S Toluene-d8	1.002	0.998	0.4	100	0.00
36 TMP Dibromomethane	0.216	0.228	-5.6	100	0.00
37 TMP 4-Methyl-2-pentanone	0.077	0.087	-13.0	100	0.00
38 TMP cis-1,3-Dichloropropene	0.504	0.535	-6.2	100	0.00
39 I Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40 TMP Toluene	0.968	1.043	-7.7	100	0.00
41 TMP trans-1,3-Dichloropropene	0.553	0.592	-7.1	100	0.00
42 TMP 1,1,2-Trichloroethane	0.293	0.320	-9.2	100	0.00
43 TMP 2-Hexanone	0.320	0.319	0.3	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110810.D
 Acq On : 8 Nov 2022 12:53 pm
 Operator : LM
 Sample : 1 ppb 8260 ICAL 67-177K
 Misc : soil/water
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:33 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.560	0.584	-4.3	100	0.00
45 TMP Tetrachloroethene	0.431	0.458	-6.3	100	0.00
46 TMP Dibromochloromethane	0.429	0.419	2.3	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	0.398	0.420	-5.5	100	0.00
48 TMP Chlorobenzene	1.148	1.228	-7.0	100	0.00
49 TMP Ethylbenzene	1.845	1.935	-4.9	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.426	0.451	-5.9	100	0.00
51 TMP m,p-Xylene	0.746	0.774	-3.8	100	0.00
52 TMP o-Xylene	0.741	0.792	-6.9	100	0.00
53 TMP Styrene	1.258	1.277	-1.5	100	0.00
54 TMP Isopropylbenzene	1.878	1.982	-5.5	100	0.00
55 TMP Bromoform	0.362	0.335	7.5	100	0.00
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	0.701	0.724	-3.3	100	0.00
58 TMP n-Propylbenzene	3.165	3.527	-11.4	100	0.00
59 TMP Bromobenzene	0.916	1.027	-12.1	100	0.00
60 TMP 1,3,5-Trimethylbenzene	2.336	2.536	-8.6	100	0.00
61 TMP 1,1,1,2-Tetrachloroethane	0.806	0.901	-11.8	100	0.00
62 TMP 1,2,3-Trichloropropane	0.610	0.688	-12.8	100	0.00
63 TMP 2-Chlorotoluene	1.890	1.993	-5.4	100	0.00
64 TMP 4-Chlorotoluene	2.253	2.484	-10.3	100	0.00
65 TMP tert-Butylbenzene	2.062	2.261	-9.7	100	0.00
66 TMP 1,2,4-Trimethylbenzene	2.433	2.693	-10.7	100	0.00
67 TMP sec-Butylbenzene	2.769	3.042	-9.9	100	0.00
68 TMP p-Isopropyltoluene	2.526	2.836	-12.3	100	0.00
69 TMP 1,3-Dichlorobenzene	1.624	1.772	-9.1	100	0.00
70 TMP 1,4-Dichlorobenzene	1.675	1.834	-9.5	100	0.00
71 TMP 1,2-Dichlorobenzene	1.595	1.775	-11.3	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	0.167	0.180	-7.8	100	0.00
73 TMP 1,2,4-Trichlorobenzene	1.200	1.347	-12.3	100	0.00
74 TMP Hexachlorobutadiene	0.463	0.529	-14.3	100	0.00
75 TMP Naphthalene	2.957	3.230	-9.2	100	0.00
76 TMP 1,2,3-Trichlorobenzene	1.136	1.264	-11.3	100	0.00

(#) = Out of Range

SPCC's out = 4 CCC's out = 0

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110810.D
 Acq On : 8 Nov 2022 12:53 pm
 Operator : LM
 Sample : 1 ppb 8260 ICAL 67-177K
 Misc : soil/water
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:33 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	4.78	96	88603	10.000	ppb	0.00
39) Chlorobenzene-d5	7.43	117	74537	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.65	152	47526	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.21	113	23746	9.749	ppb	0.00
Spiked Amount	10.000	Range 0 - 1000	Recovery	=	97.50%	
30) 1,2-Dichloroethane-d4	4.49	102	5355	9.519	ppb	0.00
Spiked Amount	10.000	Range 90 - 109	Recovery	=	95.20%	
35) Toluene-d8	6.14	98	88422	9.962	ppb	0.00
Spiked Amount	10.000	Range 89 - 112	Recovery	=	99.60%	
57) 4-Bromofluorobenzene	8.54	95	34407	10.323	ppb	0.00
Spiked Amount	10.000	Range 84 - 115	Recovery	=	103.20%	
Target Compounds						
						Qvalue
2) Ethanol	0.00		0	N.D.	d	
4) Dichlorodifluoromethane	1.17	85	2829	0.779	ppb	91
5) Chloromethane	0.00		0	N.D.	d	
6) Vinyl chloride	1.40	62	3361	1.053	ppb	80
7) Bromomethane	1.62	94	1197	0.806	ppb	97
8) Chloroethane	1.70	64	1915	1.144	ppb	75
9) Trichlorofluoromethane	1.90	101	4795m	0.963	ppb	
10) 2-Propanol	0.00		0	N.D.	d	
11) Acetone	2.39	58	2083	1.962	ppb	94
12) 1,1-Dichloroethene	2.32	96	3113	1.054	ppb	81
13) Hexane	3.20	57	3708	1.201	ppb	97
14) Methylene chloride	0.00		0	N.D.	d	
15) t-Butyl alcohol (TBA)	2.87	59	2593	5.712	ppb	90
16) Methyl t-butyl ether (...)	2.98	73	9019	1.048	ppb	97
17) trans-1,2-Dichloroethene	2.97	96	3394	1.086	ppb	82
18) Diisopropyl ether (DIPE)	3.40	45	8524	1.083	ppb	94
19) 1,1-Dichloroethane	3.32	63	5116	1.078	ppb	97
20) Ethyl t-butyl ether (E...)	3.70	87	4074	1.082	ppb	# 83
21) 2,2-Dichloropropane	3.81	77	3738	1.080	ppb	96
22) cis-1,2-Dichloroethene	3.81	96	3648	1.078	ppb	82
23) Chloroform	4.08	83	5492	1.057	ppb	87
24) 2-Butanone (MEK)	3.84	43	8542	5.180	ppb	99
25) t-Amyl methyl ether (T...)	4.65	73	8730	1.022	ppb	95
26) 1,2-Dichloroethane (EDC)	4.55	62	4141	1.067	ppb	96
27) 1,1,1-Trichloroethane	4.23	97	4959	1.051	ppb	96
28) 1,1-Dichloropropene	4.37	75	4267	1.075	ppb	87
29) Carbon tetrachloride	4.37	117	4469	1.052	ppb	96
31) Benzene	4.54	78	11836	1.039	ppb	92
32) Trichloroethene	5.09	95	3470	1.050	ppb	# 72
33) 1,2-Dichloropropane	5.27	63	2710	1.075	ppb	89
34) Bromodichloromethane	5.51	83	3898	1.019	ppb	99
36) Dibromomethane	5.37	93	2020	1.057	ppb	79

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110810.D
 Acq On : 8 Nov 2022 12:53 pm
 Operator : LM
 Sample : 1 ppb 8260 ICAL 67-177K
 Misc : soil/water
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS4

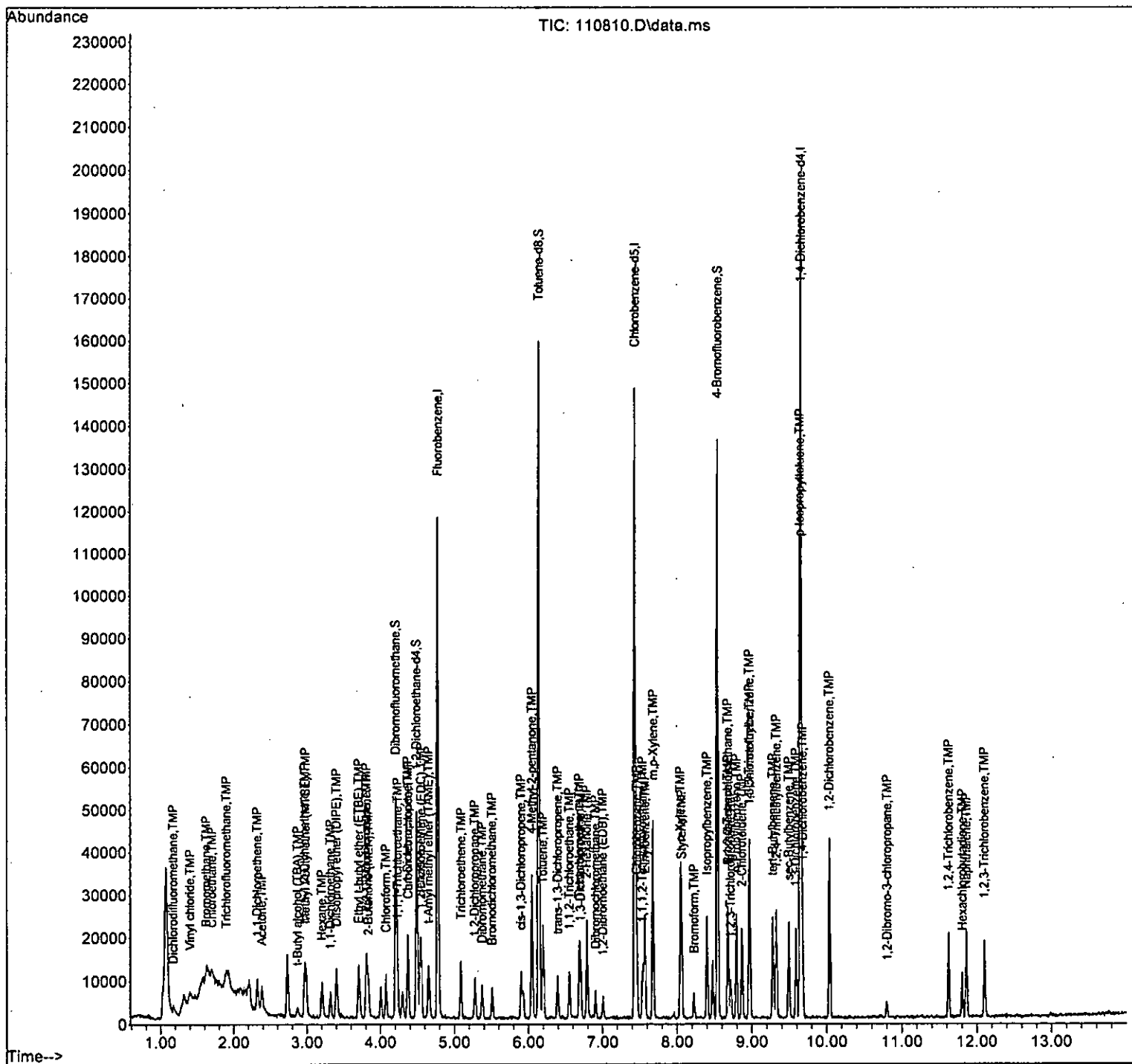
Quant Time: Nov 08 16:47:33 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	6.05	85	3852	5.654	ppb	# 77
38) cis-1,3-Dichloropropene	5.90	75	4738	1.061	ppb	98
40) Toluene	6.19	92	7775	1.078	ppb	87
41) trans-1,3-Dichloropropene	6.39	75	4411	1.070	ppb	90
42) 1,1,2-Trichloroethane	6.55	83	2388	1.093	ppb	93
43) 2-Hexanone	6.79	43	11888	4.977	ppb	92
44) 1,3-Dichloropropane	6.70	76	4351	1.042	ppb	96
45) Tetrachloroethene	6.69	164	3417	1.064	ppb	89
46) Dibromochloromethane	6.91	129	3122	1.027	ppb	96
47) 1,2-Dibromoethane (EDB)	7.00	107	3131	1.055	ppb	91
48) Chlorobenzene	7.46	112	9150	1.069	ppb	87
49) Ethylbenzene	7.57	91	14423	1.049	ppb	89
50) 1,1,1,2-Tetrachloroethane	7.54	131	3364	1.061	ppb	94
51) m,p-Xylene	7.68	106	11543	2.076	ppb	88
52) o-Xylene	8.05	106	5903	1.068	ppb	# 80
53) Styrene	8.06	104	9518	1.015	ppb	87
54) Isopropylbenzene	8.40	105	14776	1.056	ppb	94
55) Bromoform	8.23	173	2496	0.998	ppb	96
58) n-Propylbenzene	8.79	91	16762	1.114	ppb	96
59) Bromobenzene	8.68	156	4883	1.122	ppb	# 78
60) 1,3,5-Trimethylbenzene	8.97	105	12053	1.086	ppb	80
61) 1,1,2,2-Tetrachloroethane	8.68	83	4283	1.118	ppb	90
62) 1,2,3-Trichloropropane	8.72	75	3269	1.127	ppb	99
63) 2-Chlorotoluene	8.87	91	9472	1.055	ppb	81
64) 4-Chlorotoluene	8.97	91	11807	1.103	ppb	80
65) tert-Butylbenzene	9.28	119	10745	1.096	ppb	77
66) 1,2,4-Trimethylbenzene	9.33	105	12800	1.107	ppb	92
67) sec-Butylbenzene	9.49	105	14457	1.099	ppb	89
68) p-Isopropyltoluene	9.64	119	13478	1.123	ppb	93
69) 1,3-Dichlorobenzene	9.59	146	8422	1.091	ppb	95
70) 1,4-Dichlorobenzene	9.68	146	8714	1.094	ppb	94
71) 1,2-Dichlorobenzene	10.03	146	8437	1.113	ppb	85
72) 1,2-Dibromo-3-chloropr...	10.80	75	857	1.079	ppb	# 65
73) 1,2,4-Trichlorobenzene	11.62	180	6401	1.122	ppb	100
74) Hexachlorobutadiene	11.81	225	2512	1.142	ppb	92
75) Naphthalene	11.86	128	15350	1.092	ppb	97
76) 1,2,3-Trichlorobenzene	12.10	180	6008	1.113	ppb	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110810.D
 Acq On : 8 Nov 2022 12:53 pm
 Operator : LM
 Sample : 1 ppb 8260 ICAL 67-177K
 Misc : soil/water
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS4

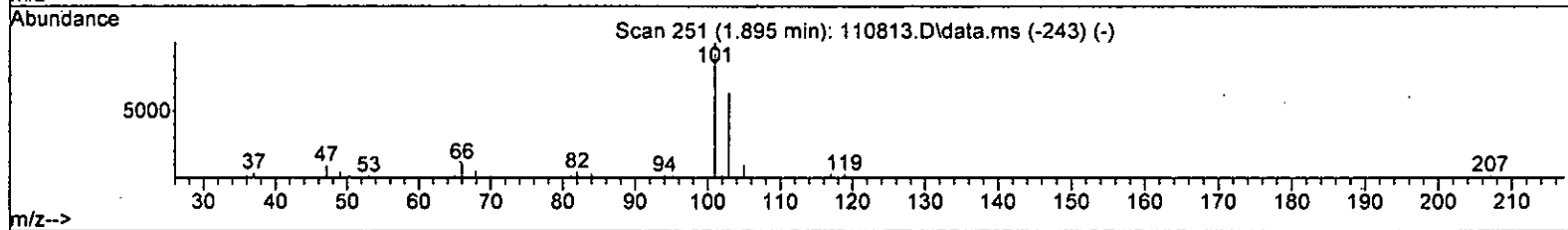
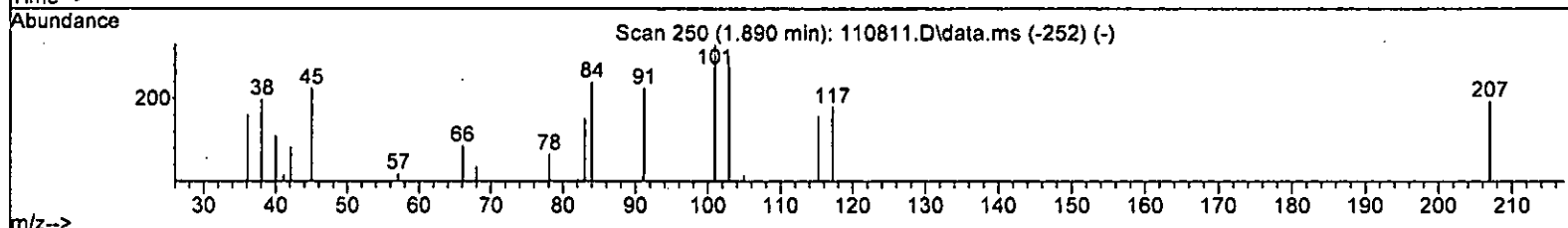
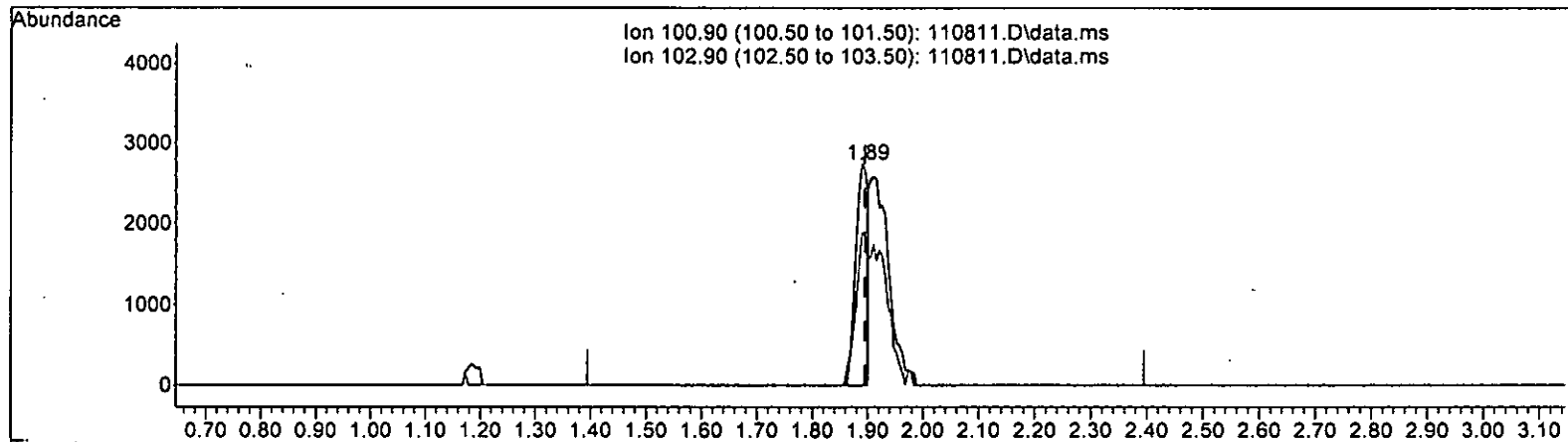
Quant Time: Nov 08 16:47:33 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110811.D
 Acq On : 8 Nov 2022 1:17 pm
 Operator : LM
 Sample : 2 ppb 8260 ICAL 67-177L
 Misc : soil/water
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:35 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



TIC: 110811.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.890min (-0.005) 0.845 ppb

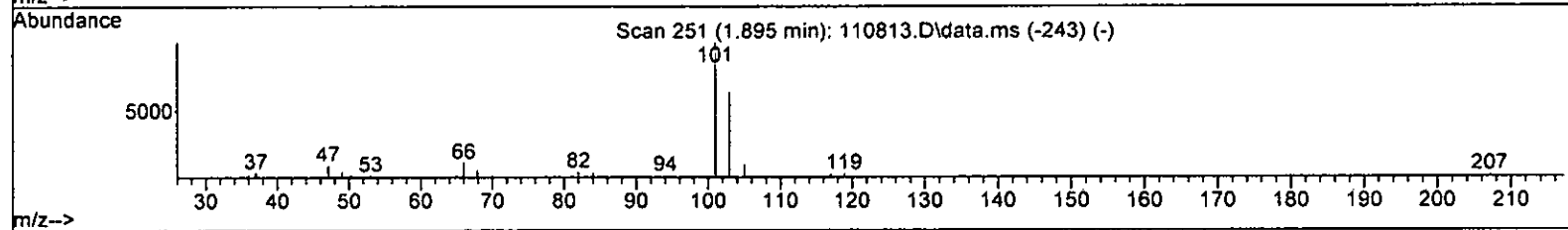
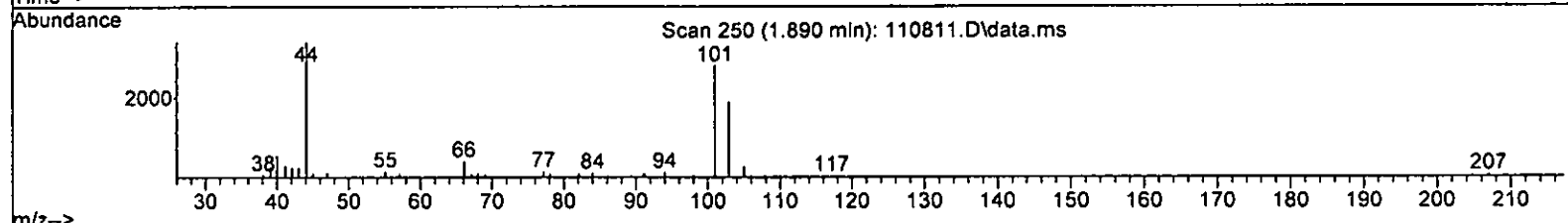
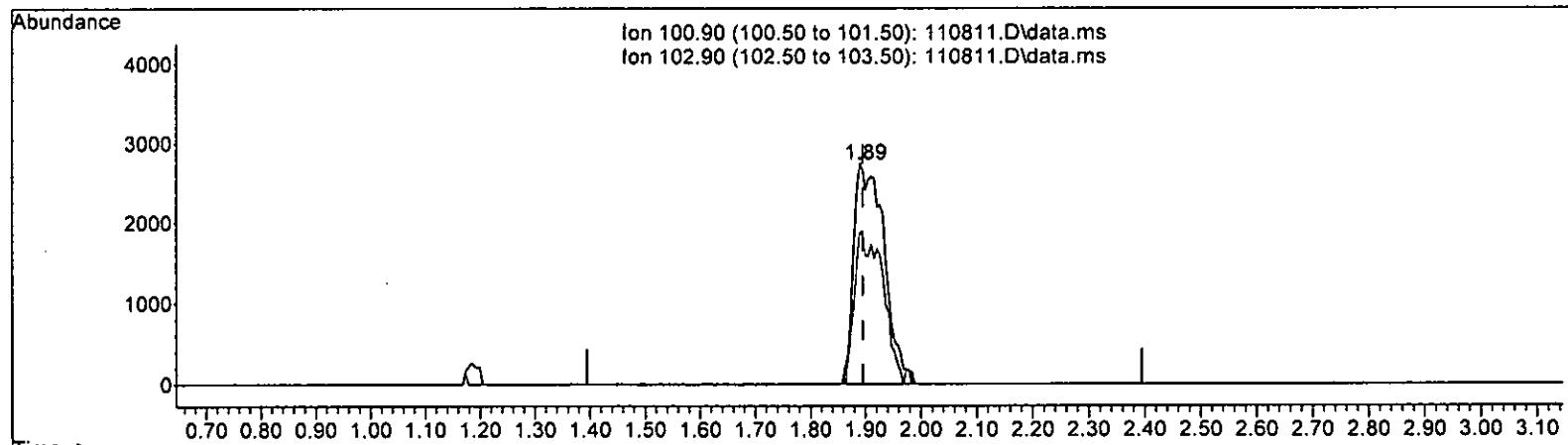
response 4197

Ion	Exp%	Act%
100.90	100.00	100.00
102.90	61.00	68.76
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110811.D
 Acq On : 8 Nov 2022 1:17 pm
 Operator : LM
 Sample : 2 ppb 8260 ICAL 67-177L
 Misc : soil/water
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:35 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



TIC: 110811.D\data.ms

(9) Trichlorofluoromethane (TMP)

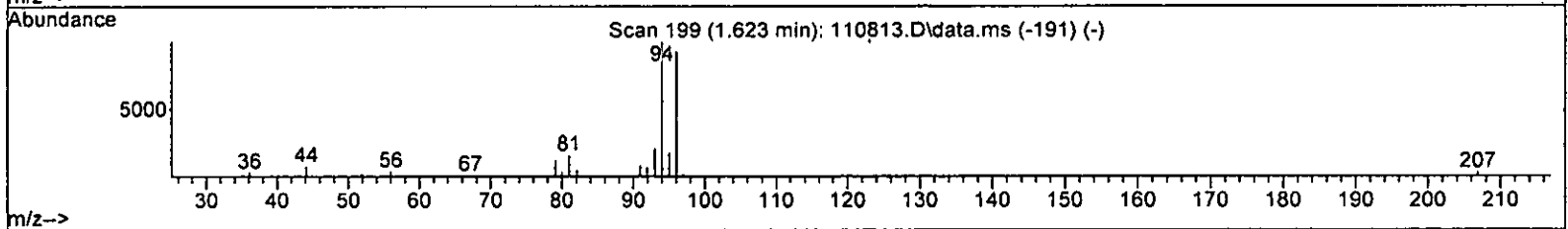
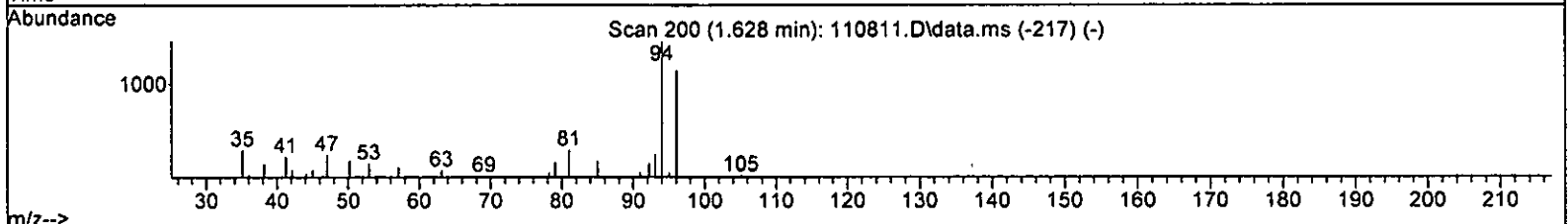
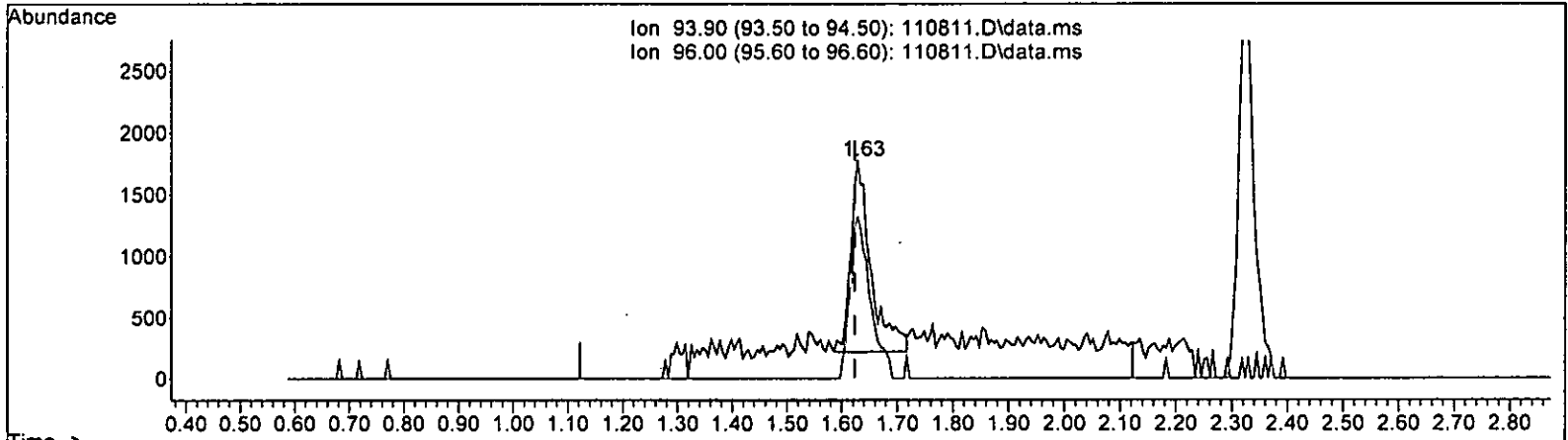
1.890min (-0.005) 2.074 ppb m

response	10299		
Ion	Exp%	Act%	
100.90	100.00	100.00	
102.90	61.00	68.76	
0.00	0.00	0.00	
0.00	0.00	0.00	

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110811.D
 Acq On : 8 Nov 2022 1:17 pm
 Operator : LM
 Sample : 2 ppb 8260 ICAL 67-177L
 Misc : soil/water
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:35 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



TIC: 110811.D\data.ms

(7) Bromomethane (TMP)

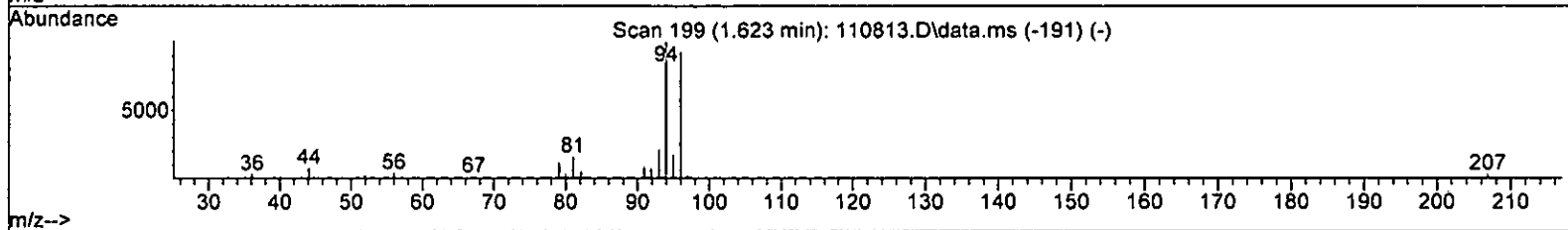
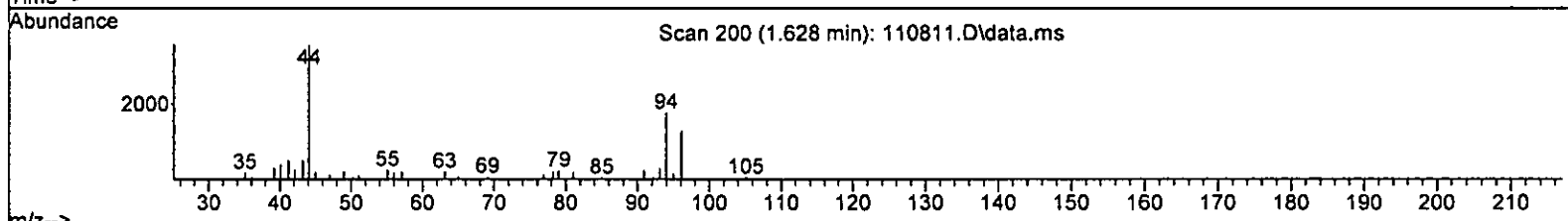
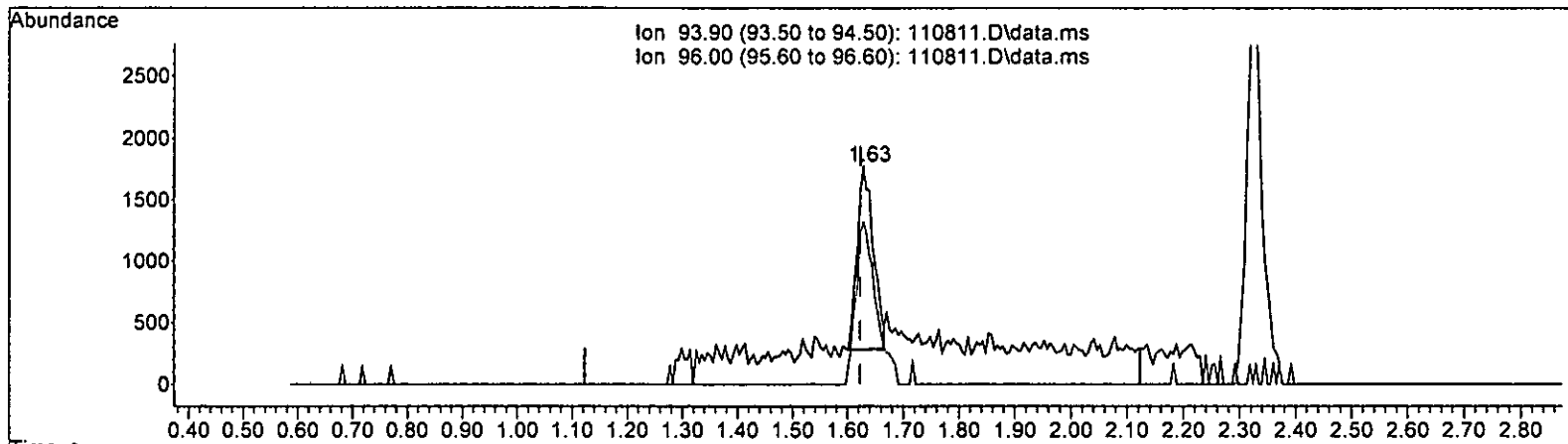
1.628min (+ 0.005) 2.653 ppb

response	3929
Ion	Exp% Act%
93.90	100.00 100.00
96.00	89.10 85.17
0.00	0.00 0.00
0.00	0.00 0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110811.D
 Acq On : 8 Nov 2022 1:17 pm
 Operator : LM
 Sample : 2 ppb 8260 ICAL 67-177L
 Misc : soil/water
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:35 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



TIC: 110811.D\data.ms

(7) Bromomethane (TMP)

1.628min (+ 0.005) 2.005 ppb m

response	2970	
Ion	Exp%	Act%
93.90	100.00	100.00
96.00	89.10	74.76
0.00	0.00	0.00
0.00	0.00	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110811.D
 Acq On : 8 Nov 2022 1:17 pm
 Operator : LM
 Sample : 2 ppb 8260 ICAL 67-177L
 Misc : soil/water
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:35 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I Fluorobenzene	10.000	10.000	0.0	100	0.00
2 TMP Ethanol	-1.000	0.000	0.0	0	-1.07#
3 S Dibromofluoromethane	10.000	10.098	-1.0	100	0.00
4 TMP Dichlorodifluoromethane	2.000	1.922	3.9	100	0.01
5 TMP Chloromethane	2.000	2.240	-12.0	100	0.01
6 TMP Vinyl chloride	2.000	2.032	-1.6	100	0.01
7 TMP Bromomethane	2.000	2.005	-0.2	76	0.00
8 TMP Chloroethane	2.000	2.289	-14.5	100	0.01
9 TMP Trichlorofluoromethane	2.000	2.074	-3.7	100	0.00
10 TMP 2-Propanol	-1.000	0.000	0.0	0	-2.99#
11 TMP Acetone	10.000	7.405	25.9#	100	0.00
12 TMP 1,1-Dichloroethene	2.000	2.104	-5.2	100	0.00
13 TMP Hexane	2.000	2.227	-11.3	100	0.00
14 TMP Methylene chloride	2.000	2.089	-4.4	100	0.00
15 TMP t-Butyl alcohol (TBA)	10.000	10.174	-1.7	100	0.00
16 TMP Methyl t-butyl ether (MTBE)	2.000	2.144	-7.2	100	0.00
17 TMP trans-1,2-Dichloroethene	2.000	2.059	-3.0	100	0.00
18 TMP Diisopropyl ether (DIPE)	2.000	2.082	-4.1	100	0.00
19 TMP 1,1-Dichloroethane	2.000	2.096	-4.8	100	0.00
20 TMP Ethyl t-butyl ether (ETBE)	2.000	2.121	-6.0	100	0.00
21 TMP 2,2-Dichloropropane	2.000	2.269	-13.5	100	0.00
22 TMP cis-1,2-Dichloroethene	2.000	2.111	-5.6	100	0.00
23 TMP Chloroform	2.000	2.079	-4.0	100	0.00
24 TMP 2-Butanone (MEK)	10.000	9.889	1.1	100	0.00
25 TMP t-Amyl methyl ether (TAME)	2.000	2.140	-7.0	100	0.00
26 TMP 1,2-Dichloroethane (EDC)	2.000	2.167	-8.3	100	0.00
27 TMP 1,1,1-Trichloroethane	2.000	2.137	-6.9	100	0.00
28 TMP 1,1-Dichloropropene	2.000	2.087	-4.4	100	0.00
29 TMP Carbon tetrachloride	2.000	2.071	-3.6	100	0.00
30 S 1,2-Dichloroethane-d4	10.000	9.991	0.1	100	0.00
31 TMP Benzene	2.000	2.164	-8.2	100	0.00
32 TMP Trichloroethene	2.000	2.007	-0.4	100	0.00
33 TMP 1,2-Dichloropropane	2.000	2.125	-6.3	100	0.00
34 TMP Bromodichloromethane	2.000	2.087	-4.4	100	0.00
35 S Toluene-d8	10.000	9.740	2.6	100	0.00
36 TMP Dibromomethane	2.000	2.113	-5.6	100	0.00
37 TMP 4-Methyl-2-pentanone	10.000	9.895	1.1	100	0.00
38 TMP cis-1,3-Dichloropropene	2.000	1.993	0.3	100	0.00
39 I Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40 TMP Toluene	2.000	2.184	-9.2	100	0.00
41 TMP trans-1,3-Dichloropropene	2.000	2.007	-0.4	100	0.00
42 TMP 1,1,2-Trichloroethane	2.000	2.158	-7.9	100	0.00
43 TMP 2-Hexanone	10.000	10.236	-2.4	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110811.D
 Acq On : 8 Nov 2022 1:17 pm
 Operator : LM
 Sample : 2 ppb 8260 ICAL 67-177L
 Misc : soil/water
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:35 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	2.000	2.076	-3.8	100	0.00
45 TMP Tetrachloroethene	2.000	2.191	-9.5	100	0.00
46 TMP Dibromochloromethane	2.000	2.144	-7.2	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	2.000	2.067	-3.4	100	0.00
48 TMP Chlorobenzene	2.000	2.088	-4.4	100	0.00
49 TMP Ethylbenzene	2.000	2.110	-5.5	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	2.000	2.174	-8.7	100	0.00
51 TMP m,p-Xylene	4.000	4.242	-6.0	100	0.00
52 TMP o-Xylene	2.000	2.075	-3.8	100	0.00
53 TMP Styrene	2.000	2.169	-8.5	100	0.00
54 TMP Isopropylbenzene	2.000	2.118	-5.9	100	0.00
55 TMP Bromoform	2.000	2.048	-2.4	100	0.00
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	10.000	9.959	0.4	100	0.00
58 TMP n-Propylbenzene	2.000	2.064	-3.2	100	0.00
59 TMP Bromobenzene	2.000	2.155	-7.7	100	0.00
60 TMP 1,3,5-Trimethylbenzene	2.000	2.064	-3.2	100	0.00
61 TMP 1,1,1,2-Tetrachloroethane	2.000	2.133	-6.7	100	0.00
62 TMP 1,2,3-Trichloropropane	2.000	2.089	-4.4	100	0.00
63 TMP 2-Chlorotoluene	2.000	2.140	-7.0	100	0.00
64 TMP 4-Chlorotoluene	2.000	2.075	-3.8	100	0.00
65 TMP tert-Butylbenzene	2.000	2.110	-5.5	100	0.00
66 TMP 1,2,4-Trimethylbenzene	2.000	2.110	-5.5	100	0.00
67 TMP sec-Butylbenzene	2.000	2.082	-4.1	100	0.00
68 TMP p-Isopropyltoluene	2.000	2.101	-5.0	100	0.00
69 TMP 1,3-Dichlorobenzene	2.000	2.111	-5.6	100	0.00
70 TMP 1,4-Dichlorobenzene	2.000	2.152	-7.6	100	0.00
71 TMP 1,2-Dichlorobenzene	2.000	2.109	-5.4	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	2.000	1.826	8.7	100	0.00
73 TMP 1,2,4-Trichlorobenzene	2.000	2.100	-5.0	100	0.00
74 TMP Hexachlorobutadiene	2.000	2.101	-5.0	100	0.00
75 TMP Naphthalene	2.000	2.066	-3.3	100	0.00
76 TMP 1,2,3-Trichlorobenzene	2.000	2.154	-7.7	100	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110811.D
 Acq On : 8 Nov 2022 1:17 pm
 Operator : LM
 Sample : 2 ppb 8260 ICAL 67-177L
 Misc : soil/water
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:35 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2 TMP	Ethanol	0.000	0.000#	0.0	0#	-1.07#
3 S	Dibromofluoromethane	0.275	0.278	-1.1	100	0.00
4 TMP	Dichlorodifluoromethane	0.410	0.394	3.9	100	0.01
5 TMP	Chloromethane	0.380	0.425	-11.8	100	0.01
6 TMP	Vinyl chloride	0.360	0.366	-1.7	100	0.01
7 TMP	Bromomethane	0.168	0.168	0.0	76	0.00
8 TMP	Chloroethane	0.189	0.216	-14.3	100	0.01
9 TMP	Trichlorofluoromethane	0.562	0.583	-3.7	100	0.00
10 TMP	2-Propanol	0.000	0.000	0.0	0#	-2.99#
11 TMP	Acetone	0.037	0.035	5.4	100	0.00
12 TMP	1,1-Dichloroethene	0.333	0.351	-5.4	100	0.00
13 TMP	Hexane	0.348	0.388	-11.5	100	0.00
14 TMP	Methylene chloride	0.369	0.579	-56.9#	100	0.00
15 TMP	t-Butyl alcohol (TBA)	0.051	0.052	-2.0	100	0.00
16 TMP	Methyl t-butyl ether (MTBE)	0.971	1.041	-7.2	100	0.00
17 TMP	trans-1,2-Dichloroethene	0.353	0.363	-2.8	100	0.00
18 TMP	Diisopropyl ether (DIPE)	0.889	0.925	-4.0	100	0.00
19 TMP	1,1-Dichloroethane	0.536	0.561	-4.7	100	0.00
20 TMP	Ethyl t-butyl ether (ETBE)	0.425	0.451	-6.1	100	0.00
21 TMP	2,2-Dichloropropane	0.352	0.414	-17.6	100	0.00
22 TMP	cis-1,2-Dichloroethene	0.382	0.403	-5.5	100	0.00
23 TMP	Chloroform	0.583	0.606	-3.9	100	0.00
24 TMP	2-Butanone (MEK)	0.186	0.184	1.1	100	0.00
25 TMP	t-Amyl methyl ether (TAME)	0.964	1.031	-7.0	100	0.00
26 TMP	1,2-Dichloroethane (EDC)	0.438	0.475	-8.4	100	0.00
27 TMP	1,1,1-Trichloroethane	0.532	0.569	-7.0	100	0.00
28 TMP	1,1-Dichloropropene	0.448	0.468	-4.5	100	0.00
29 TMP	Carbon tetrachloride	0.479	0.496	-3.5	100	0.00
30 S	1,2-Dichloroethane-d4	0.063	0.063	0.0	100	0.00
31 TMP	Benzene	1.286	1.391	-8.2	100	0.00
32 TMP	Trichloroethene	0.373	0.374	-0.3	100	0.00
33 TMP	1,2-Dichloropropane	0.284	0.302	-6.3	100	0.00
34 TMP	Bromodichloromethane	0.432	0.451	-4.4	100	0.00
35 S	Toluene-d8	1.002	0.976	2.6	100	0.00
36 TMP	Dibromomethane	0.216	0.228	-5.6	100	0.00
37 TMP	4-Methyl-2-pentanone	0.077	0.076	1.3	100	0.00
38 TMP	cis-1,3-Dichloropropene	0.504	0.502	0.4	100	0.00
39 I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40 TMP	Toluene	0.968	1.057	-9.2	100	0.00
41 TMP	trans-1,3-Dichloropropene	0.553	0.555	-0.4	100	0.00
42 TMP	1,1,2-Trichloroethane	0.293	0.316	-7.8	100	0.00
43 TMP	2-Hexanone	0.320	0.328	-2.5	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110811.D
 Acq On : 8 Nov 2022 1:17 pm
 Operator : LM
 Sample : 2 ppb 8260 ICAL 67-177L
 Misc : soil/water
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:35 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.560	0.582	-3.9	100	0.00
45 TMP Tetrachloroethene	0.431	0.472	-9.5	100	0.00
46 TMP Dibromochloromethane	0.429	0.444	-3.5	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	0.398	0.412	-3.5	100	0.00
48 TMP Chlorobenzene	1.148	1.199	-4.4	100	0.00
49 TMP Ethylbenzene	1.845	1.946	-5.5	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.426	0.463	-8.7	100	0.00
51 TMP m,p-Xylene	0.746	0.791	-6.0	100	0.00
52 TMP o-Xylene	0.741	0.769	-3.8	100	0.00
53 TMP Styrene	1.258	1.364	-8.4	100	0.00
54 TMP Isopropylbenzene	1.878	1.989	-5.9	100	0.00
55 TMP Bromoform	0.362	0.345	4.7	100	0.00
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	0.701	0.698	0.4	100	0.00
58 TMP n-Propylbenzene	3.165	3.266	-3.2	100	0.00
59 TMP Bromobenzene	0.916	0.987	-7.8	100	0.00
60 TMP 1,3,5-Trimethylbenzene	2.336	2.411	-3.2	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.806	0.860	-6.7	100	0.00
62 TMP 1,2,3-Trichloropropane	0.610	0.638	-4.6	100	0.00
63 TMP 2-Chlorotoluene	1.890	2.022	-7.0	100	0.00
64 TMP 4-Chlorotoluene	2.253	2.337	-3.7	100	0.00
65 TMP tert-Butylbenzene	2.062	2.176	-5.5	100	0.00
66 TMP 1,2,4-Trimethylbenzene	2.433	2.567	-5.5	100	0.00
67 TMP sec-Butylbenzene	2.769	2.882	-4.1	100	0.00
68 TMP p-Isopropyltoluene	2.526	2.653	-5.0	100	0.00
69 TMP 1,3-Dichlorobenzene	1.624	1.715	-5.6	100	0.00
70 TMP 1,4-Dichlorobenzene	1.675	1.803	-7.6	100	0.00
71 TMP 1,2-Dichlorobenzene	1.595	1.682	-5.5	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	0.167	0.153	8.4	100	0.00
73 TMP 1,2,4-Trichlorobenzene	1.200	1.261	-5.1	100	0.00
74 TMP Hexachlorobutadiene	0.463	0.486	-5.0	100	0.00
75 TMP Naphthalene	2.957	3.055	-3.3	100	0.00
76 TMP 1,2,3-Trichlorobenzene	1.136	1.224	-7.7	100	0.00

(#) = Out of Range

SPCC's out = 1 CCC's out = 0

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110811.D
 Acq On : 8 Nov 2022 1:17 pm
 Operator : LM
 Sample : 2 ppb 8260 ICAL 67-177L
 Misc : soil/water
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:35 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.78	96	88402	10.000	ppb	0.00
39) Chlorobenzene-d5	7.43	117	71977	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.65	152	47903	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.21	113	24540	10.098	ppb	0.00
Spiked Amount	10.000	Range	0 - 1000	Recovery	=	101.00%
30) 1,2-Dichloroethane-d4	4.49	102	5608	9.991	ppb	0.00
Spiked Amount	10.000	Range	90 - 109	Recovery	=	99.90%
35) Toluene-d8	6.14	98	86255	9.740	ppb	0.00
Spiked Amount	10.000	Range	89 - 112	Recovery	=	97.40%
57) 4-Bromofluorobenzene	8.54	95	33458	9.959	ppb	0.00
Spiked Amount	10.000	Range	84 - 115	Recovery	=	99.60%
Target Compounds						
2) Ethanol	0.00		0	N.D.	d	
4) Dichlorodifluoromethane	1.18	85	6960	1.922	ppb	92
5) Chloromethane	1.32	50	7520	2.240	ppb	94
6) Vinyl chloride	1.41	62	6473	2.032	ppb	91
7) Bromomethane	1.63	94	2970m	2.005	ppb	
8) Chloroethane	1.71	64	3823	2.289	ppb	77
9) Trichlorofluoromethane	1.89	101	10299m	2.074	ppb	
10) 2-Propanol	0.00		0	N.D.	d	
11) Acetone	2.38	58	3125	7.405	ppb	# 79
12) 1,1-Dichloroethene	2.32	96	6202	2.104	ppb	# 71
13) Hexane	3.21	57	6861	2.227	ppb	91
14) Methylene chloride	2.74	84	10230	2.089	ppb	# 80
15) t-Butyl alcohol (TBA)	2.87	59	4608	10.174	ppb	73
16) Methyl t-butyl ether (...)	2.99	73	18412	2.144	ppb	99
17) trans-1,2-Dichloroethene	2.97	96	6423	2.059	ppb	83
18) Diisopropyl ether (DIPE)	3.40	45	16356	2.082	ppb	95
19) 1,1-Dichloroethane	3.32	63	9927	2.096	ppb	94
20) Ethyl t-butyl ether (E...)	3.70	87	7969	2.121	ppb	93
21) 2,2-Dichloropropane	3.81	77	7322	2.269	ppb	95
22) cis-1,2-Dichloroethene	3.81	96	7128	2.111	ppb	# 75
23) Chloroform	4.08	83	10719	2.079	ppb	99
24) 2-Butanone (MEK)	3.83	43	16269	9.889	ppb	95
25) t-Amyl methyl ether (T...)	4.65	73	18227	2.140	ppb	96
26) 1,2-Dichloroethane (EDC)	4.55	62	8393	2.167	ppb	96
27) 1,1,1-Trichloroethane	4.23	97	10058	2.137	ppb	93
28) 1,1-Dichloropropene	4.37	75	8269	2.087	ppb	95
29) Carbon tetrachloride	4.37	117	8775	2.071	ppb	95
31) Benzene	4.54	78	24594	2.164	ppb	96
32) Trichloroethene	5.09	95	6617	2.007	ppb	80
33) 1,2-Dichloropropane	5.27	63	5343	2.125	ppb	92
34) Bromodichloromethane	5.51	83	7966	2.087	ppb	98
36) Dibromomethane	5.37	93	4029	2.113	ppb	80

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110811.D
 Acq On : 8 Nov 2022 1:17 pm
 Operator : LM
 Sample : 2 ppb 8260 ICAL 67-177L
 Misc : soil/water
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS4

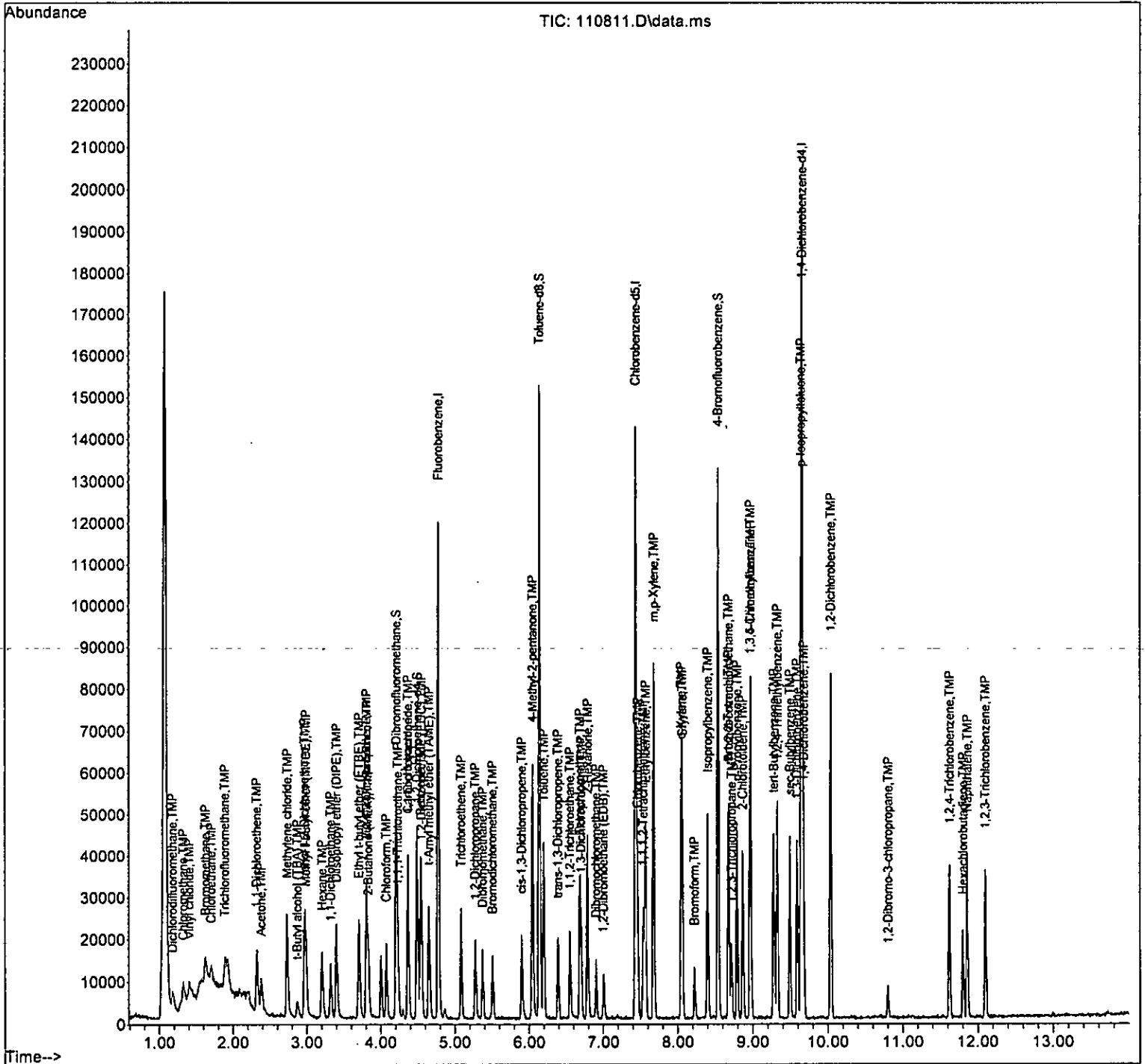
Quant Time: Nov 08 16:47:35 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
37) 4-Methyl-2-pentanone	6.05	85	6726	9.895	ppb	#	74
38) cis-1,3-Dichloropropene	5.90	75	8883	1.993	ppb		96
40) Toluene	6.20	92	15212	2.184	ppb		96
41) trans-1,3-Dichloropropene	6.39	75	7985	2.007	ppb		99
42) 1,1,2-Trichloroethane	6.55	83	4552	2.158	ppb		96
43) 2-Hexanone	6.79	43	23609	10.236	ppb		95
44) 1,3-Dichloropropane	6.70	76	8372	2.076	ppb		98
45) Tetrachloroethene	6.69	164	6793	2.191	ppb		94
46) Dibromochloromethane	6.91	129	6396	2.144	ppb		92
47) 1,2-Dibromoethane (EDB)	7.00	107	5925	2.067	ppb		98
48) Chlorobenzene	7.46	112	17257	2.088	ppb		91
49) Ethylbenzene	7.57	91	28020	2.110	ppb		94
50) 1,1,1,2-Tetrachloroethane	7.54	131	6659	2.174	ppb		95
51) m,p-Xylene	7.68	106	22778	4.242	ppb		92
52) o-Xylene	8.05	106	11069	2.075	ppb		87
53) Styrene	8.06	104	19637	2.169	ppb		88
54) Isopropylbenzene	8.40	105	28628	2.118	ppb		90
55) Bromoform	8.22	173	4969	2.048	ppb		91
58) n-Propylbenzene	8.79	91	31295	2.064	ppb		89
59) Bromobenzene	8.68	156	9453	2.155	ppb	#	82
60) 1,3,5-Trimethylbenzene	8.97	105	23103	2.064	ppb		81
61) 1,1,2,2-Tetrachloroethane	8.68	83	8238	2.133	ppb		93
62) 1,2,3-Trichloropropane	8.72	75	6109	2.089	ppb		98
63) 2-Chlorotoluene	8.87	91	19368	2.140	ppb		92
64) 4-Chlorotoluene	8.97	91	22392	2.075	ppb		84
65) tert-Butylbenzene	9.28	119	20845	2.110	ppb		83
66) 1,2,4-Trimethylbenzene	9.33	105	24597	2.110	ppb		91
67) sec-Butylbenzene	9.49	105	27615	2.082	ppb		93
68) p-Isopropyltoluene	9.64	119	25417	2.101	ppb		90
69) 1,3-Dichlorobenzene	9.59	146	16426	2.111	ppb		95
70) 1,4-Dichlorobenzene	9.68	146	17274	2.152	ppb		94
71) 1,2-Dichlorobenzene	10.04	146	16113	2.109	ppb		92
72) 1,2-Dibromo-3-chloropr...	10.80	75	1462	1.826	ppb	#	73
73) 1,2,4-Trichlorobenzene	11.62	180	12077	2.100	ppb		96
74) Hexachlorobutadiene	11.81	225	4657	2.101	ppb		98
75) Naphthalene	11.86	128	29266	2.066	ppb		99
76) 1,2,3-Trichlorobenzene	12.10	180	11722	2.154	ppb		92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110811.D
 Acq On : 8 Nov 2022 1:17 pm
 Operator : LM
 Sample : 2 ppb 8260 ICAL 67-177L
 Misc : soil/water
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:35 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110812.D
 Acq On : 8 Nov 2022 1:42 pm
 Operator : LM
 Sample : 5 ppb 8260 ICAL 67-177M
 Misc : soil/water
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:37 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I Fluorobenzene	10.000	10.000	0.0	100	0.00
2 TMP Ethanol	-1.000	0.000	0.0	100	0.00
3 S Dibromofluoromethane	10.000	9.840	1.6	100	0.00
4 TMP Dichlorodifluoromethane	5.000	4.545	9.1	100	0.00
5 TMP Chloromethane	5.000	4.484	10.3	100	0.00
6 TMP Vinyl chloride	5.000	4.555	8.9	100	0.00
7 TMP Bromomethane	5.000	4.266	14.7	100	0.00
8 TMP Chloroethane	5.000	4.439	11.2	100	0.00
9 TMP Trichlorofluoromethane	5.000	4.325	13.5	100	0.00
10 TMP 2-Propanol	-1.000	0.000	0.0	0	0.00
11 TMP Acetone	25.000	22.627	9.5	100	0.00
12 TMP 1,1-Dichloroethene	5.000	4.210	15.8	100	0.00
13 TMP Hexane	5.000	4.396	12.1	100	0.00
14 TMP Methylene chloride	5.000	4.385	12.3	100	0.00
15 TMP t-Butyl alcohol (TBA)	25.000	21.877	12.5	100	0.00
16 TMP Methyl t-butyl ether (MTBE)	5.000	4.383	12.3	100	0.00
17 TMP trans-1,2-Dichloroethene	5.000	4.239	15.2	100	0.00
18 TMP Diisopropyl ether (DIPE)	5.000	4.237	15.3	100	0.00
19 TMP 1,1-Dichloroethane	5.000	4.300	14.0	100	0.00
20 TMP Ethyl t-butyl ether (ETBE)	5.000	4.361	12.8	100	0.00
21 TMP 2,2-Dichloropropane	5.000	4.412	11.8	100	0.00
22 TMP cis-1,2-Dichloroethene	5.000	4.193	16.1	100	0.00
23 TMP Chloroform	5.000	4.344	13.1	100	0.00
24 TMP 2-Butanone (MEK)	25.000	20.747	17.0	100	0.00
25 TMP t-Amyl methyl ether (TAME)	5.000	4.283	14.3	100	0.00
26 TMP 1,2-Dichloroethane (EDC)	5.000	4.271	14.6	100	0.00
27 TMP 1,1,1-Trichloroethane	5.000	4.250	15.0	100	0.00
28 TMP 1,1-Dichloropropene	5.000	4.260	14.8	100	0.00
29 TMP Carbon tetrachloride	5.000	4.125	17.5	100	0.00
30 S 1,2-Dichloroethane-d4	10.000	10.123	-1.2	100	0.00
31 TMP Benzene	5.000	4.180	16.4	100	0.00
32 TMP Trichloroethene	5.000	4.112	17.8	100	0.00
33 TMP 1,2-Dichloropropane	5.000	4.304	13.9	100	0.00
34 TMP Bromodichloromethane	5.000	4.036	19.3	100	0.00
35 S Toluene-d8	10.000	9.903	1.0	100	0.00
36 TMP Dibromomethane	5.000	4.245	15.1	100	0.00
37 TMP 4-Methyl-2-pentanone	25.000	21.006	16.0	100	0.00
38 TMP cis-1,3-Dichloropropene	5.000	4.279	14.4	100	0.00
39 I Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40 TMP Toluene	5.000	4.180	16.4	100	0.00
41 TMP trans-1,3-Dichloropropene	5.000	4.250	15.0	100	0.00
42 TMP 1,1,2-Trichloroethane	5.000	4.306	13.9	100	0.00
43 TMP 2-Hexanone	25.000	21.563	13.7	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110812.D
 Acq On : 8 Nov 2022 1:42 pm
 Operator : LM
 Sample : 5 ppb 8260 ICAL 67-177M
 Misc : soil/water
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:37 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	5.000	4.188	16.2	100	0.00
45 TMP Tetrachloroethene	5.000	4.287	14.3	100	0.00
46 TMP Dibromochloromethane	5.000	4.197	16.1	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	5.000	4.199	16.0	100	0.00
48 TMP Chlorobenzene	5.000	4.210	15.8	100	0.00
49 TMP Ethylbenzene	5.000	4.206	15.9	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	5.000	4.105	17.9	100	0.00
51 TMP m,p-Xylene	10.000	8.398	16.0	100	0.00
52 TMP o-Xylene	5.000	4.173	16.5	100	0.00
53 TMP Styrene	5.000	4.318	13.6	100	0.00
54 TMP Isopropylbenzene	5.000	4.207	15.9	100	0.00
55 TMP Bromoform	5.000	4.414	11.7	100	0.00
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	10.000	10.048	-0.5	100	0.00
58 TMP n-Propylbenzene	5.000	4.155	16.9	100	0.00
59 TMP Bromobenzene	5.000	4.335	13.3	100	0.00
60 TMP 1,3,5-Trimethylbenzene	5.000	4.208	15.8	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	5.000	4.319	13.6	100	0.00
62 TMP 1,2,3-Trichloropropane	5.000	4.322	13.6	100	0.00
63 TMP 2-Chlorotoluene	5.000	4.314	13.7	100	0.00
64 TMP 4-Chlorotoluene	5.000	4.201	16.0	100	0.00
65 TMP tert-Butylbenzene	5.000	4.235	15.3	100	0.00
66 TMP 1,2,4-Trimethylbenzene	5.000	4.194	16.1	100	0.00
67 TMP sec-Butylbenzene	5.000	4.216	15.7	100	0.00
68 TMP p-Isopropyltoluene	5.000	4.158	16.8	100	0.00
69 TMP 1,3-Dichlorobenzene	5.000	4.230	15.4	100	0.00
70 TMP 1,4-Dichlorobenzene	5.000	4.241	15.2	100	0.00
71 TMP 1,2-Dichlorobenzene	5.000	4.167	16.7	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	5.000	4.171	16.6	100	0.00
73 TMP 1,2,4-Trichlorobenzene	5.000	4.272	14.6	100	0.00
74 TMP Hexachlorobutadiene	5.000	4.521	9.6	100	0.00
75 TMP Naphthalene	5.000	4.289	14.2	100	0.00
76 TMP 1,2,3-Trichlorobenzene	5.000	4.265	14.7	100	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110812.D
 Acq On : 8 Nov 2022 1:42 pm
 Operator : LM
 Sample : 5 ppb 8260 ICAL 67-177M
 Misc : soil/water
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:37 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2 TMP	Ethanol	0.000	0.000#	0.0	100	0.00
3 S	Dibromofluoromethane	0.275	0.271	1.5	100	0.00
4 TMP	Dichlorodifluoromethane	0.410	0.372	9.3	100	0.00
5 TMP	Chloromethane	0.380	0.341	10.3	100	0.00
6 TMP	Vinyl chloride	0.360	0.328	8.9	100	0.00
7 TMP	Bromomethane	0.168	0.143	14.9	100	0.00
8 TMP	Chloroethane	0.189	0.168	11.1	100	0.00
9 TMP	Trichlorofluoromethane	0.562	0.486	13.5	100	0.00
10 TMP	2-Propanol	0.000	0.000	0.0	0#	0.00
11 TMP	Acetone	0.037	0.028	24.3#	100	0.00
12 TMP	1,1-Dichloroethene	0.333	0.281	15.6	100	0.00
13 TMP	Hexane	0.348	0.306	12.1	100	0.00
14 TMP	Methylene chloride	0.369	0.375	-1.6	100	0.00
15 TMP	t-Butyl alcohol (TBA)	0.051	0.045	11.8	100	0.00
16 TMP	Methyl t-butyl ether (MTBE)	0.971	0.851	12.4	100	0.00
17 TMP	trans-1,2-Dichloroethene	0.353	0.299	15.3	100	0.00
18 TMP	Diisopropyl ether (DIPE)	0.889	0.753	15.3	100	0.00
19 TMP	1,1-Dichloroethane	0.536	0.461	14.0	100	0.00
20 TMP	Ethyl t-butyl ether (ETBE)	0.425	0.371	12.7	100	0.00
21 TMP	2,2-Dichloropropane	0.352	0.312	11.4	100	0.00
22 TMP	cis-1,2-Dichloroethene	0.382	0.320	16.2	100	0.00
23 TMP	Chloroform	0.583	0.505	13.4	100	0.00
24 TMP	2-Butanone (MEK)	0.186	0.154	17.2	100	0.00
25 TMP	t-Amyl methyl ether (TAME)	0.964	0.825	14.4	100	0.00
26 TMP	1,2-Dichloroethane (EDC)	0.438	0.374	14.6	100	0.00
27 TMP	1,1,1-Trichloroethane	0.532	0.453	14.8	100	0.00
28 TMP	1,1-Dichloropropene	0.448	0.382	14.7	100	0.00
29 TMP	Carbon tetrachloride	0.479	0.395	17.5	100	0.00
30 S	1,2-Dichloroethane-d4	0.063	0.064	-1.6	100	0.00
31 TMP	Benzene	1.286	1.075	16.4	100	0.00
32 TMP	Trichloroethene	0.373	0.307	17.7	100	0.00
33 TMP	1,2-Dichloropropane	0.284	0.245	13.7	100	0.00
34 TMP	Bromodichloromethane	0.432	0.348	19.4	100	0.00
35 S	Toluene-d8	1.002	0.992	1.0	100	0.00
36 TMP	Dibromomethane	0.216	0.183	15.3	100	0.00
37 TMP	4-Methyl-2-pentanone	0.077	0.065	15.6	100	0.00
38 TMP	cis-1,3-Dichloropropene	0.504	0.431	14.5	100	0.00
39 I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40 TMP	Toluene	0.968	0.809	16.4	100	0.00
41 TMP	trans-1,3-Dichloropropene	0.553	0.470	15.0	100	0.00
42 TMP	1,1,2-Trichloroethane	0.293	0.252	14.0	100	0.00
43 TMP	2-Hexanone	0.320	0.276	13.7	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110812.D
 Acq On : 8 Nov 2022 1:42 pm
 Operator : LM
 Sample : 5 ppb 8260 ICAL 67-177M
 Misc : soil/water
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:37 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.560	0.469	16.3	100	0.00
45 TMP Tetrachloroethene	0.431	0.369	14.4	100	0.00
46 TMP Dibromochloromethane	0.429	0.351	18.2	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	0.398	0.334	16.1	100	0.00
48 TMP Chlorobenzene	1.148	0.967	15.8	100	0.00
49 TMP Ethylbenzene	1.845	1.552	15.9	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.426	0.349	18.1	100	0.00
51 TMP m,p-Xylene	0.746	0.626	16.1	100	0.00
52 TMP o-Xylene	0.741	0.619	16.5	100	0.00
53 TMP Styrene	1.258	1.086	13.7	100	0.00
54 TMP Isopropylbenzene	1.878	1.580	15.9	100	0.00
55 TMP Bromoform	0.362	0.299	17.4	100	0.00
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	0.701	0.705	-0.6	100	0.00
58 TMP n-Propylbenzene	3.165	2.630	16.9	100	0.00
59 TMP Bromobenzene	0.916	0.794	13.3	100	0.00
60 TMP 1,3,5-Trimethylbenzene	2.336	1.966	15.8	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.806	0.696	13.6	100	0.00
62 TMP 1,2,3-Trichloropropane	0.610	0.528	13.4	100	0.00
63 TMP 2-Chlorotoluene	1.890	1.630	13.8	100	0.00
64 TMP 4-Chlorotoluene	2.253	1.893	16.0	100	0.00
65 TMP tert-Butylbenzene	2.062	1.747	15.3	100	0.00
66 TMP 1,2,4-Trimethylbenzene	2.433	2.041	16.1	100	0.00
67 TMP sec-Butylbenzene	2.769	2.335	15.7	100	0.00
68 TMP p-Isopropyltoluene	2.526	2.100	16.9	100	0.00
69 TMP 1,3-Dichlorobenzene	1.624	1.374	15.4	100	0.00
70 TMP 1,4-Dichlorobenzene	1.675	1.421	15.2	100	0.00
71 TMP 1,2-Dichlorobenzene	1.595	1.329	16.7	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	0.167	0.139	16.8	100	0.00
73 TMP 1,2,4-Trichlorobenzene	1.200	1.026	14.5	100	0.00
74 TMP Hexachlorobutadiene	0.463	0.418	9.7	100	0.00
75 TMP Naphthalene	2.957	2.536	14.2	100	0.00
76 TMP 1,2,3-Trichlorobenzene	1.136	0.969	14.7	100	0.00

(#) = Out of Range

SPCC's out = 1 CCC's out = 0

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110812.D
 Acq On : 8 Nov 2022 1:42 pm
 Operator : LM
 Sample : 5 ppb 8260 ICAL 67-177M
 Misc : soil/water
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:37 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	4.78	96	89475	10.000	ppb	0.00
39) Chlorobenzene-d5	7.43	117	75227	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.65	152	49685	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.21	113	24204	9.840	ppb	0.00
Spiked Amount	10.000	Range	0 - 1000	Recovery	=	98.40%
30) 1,2-Dichloroethane-d4	4.49	102	5751	10.123	ppb	0.00
Spiked Amount	10.000	Range	90 - 109	Recovery	=	101.20%
35) Toluene-d8	6.14	98	88763	9.903	ppb	0.00
Spiked Amount	10.000	Range	89 - 112	Recovery	=	99.00%
57) 4-Bromofluorobenzene	8.54	95	35011	10.048	ppb	0.00
Spiked Amount	10.000	Range	84 - 115	Recovery	=	100.50%
Target Compounds						
2) Ethanol	1.07	45	4011	No Calib		Qvalue
4) Dichlorodifluoromethane	1.18	85	16657	4.545	ppb	100
5) Chloromethane	1.32	50	15238	4.484	ppb	97
6) Vinyl chloride	1.40	62	14685	4.555	ppb	95
7) Bromomethane	1.63	94	6395	4.266	ppb	94
8) Chloroethane	1.70	64	7504	4.439	ppb	96
9) Trichlorofluoromethane	1.89	101	21736	4.325	ppb	96
10) 2-Propanol	2.98	45	2008	No Calib		
11) Acetone	2.38	58	6221	22.627	ppb	94
12) 1,1-Dichloroethene	2.32	96	12558	4.210	ppb	# 80
13) Hexane	3.21	57	13709	4.396	ppb	94
14) Methylene chloride	2.73	84	16785	4.385	ppb	86
15) t-Butyl alcohol (TBA)	2.87	59	10029	21.877	ppb	84
16) Methyl t-butyl ether (...)	2.99	73	38093	4.383	ppb	98
17) trans-1,2-Dichloroethene	2.97	96	13385	4.239	ppb	84
18) Diisopropyl ether (DIPE)	3.40	45	33689	4.237	ppb	91
19) 1,1-Dichloroethane	3.32	63	20612	4.300	ppb	97
20) Ethyl t-butyl ether (E...)	3.70	87	16582	4.361	ppb	# 78
21) 2,2-Dichloropropane	3.81	77	13949	4.412	ppb	97
22) cis-1,2-Dichloroethene	3.81	96	14332	4.193	ppb	# 81
23) Chloroform	4.08	83	22601	4.344	ppb	95
24) 2-Butanone (MEK)	3.83	43	34547	20.747	ppb	98
25) t-Amyl methyl ether (T...)	4.65	73	36930	4.283	ppb	98
26) 1,2-Dichloroethane (EDC)	4.56	62	16745	4.271	ppb	88
27) 1,1,1-Trichloroethane	4.23	97	20245	4.250	ppb	93
28) 1,1-Dichloropropene	4.37	75	17079	4.260	ppb	92
29) Carbon tetrachloride	4.37	117	17688	4.125	ppb	95
31) Benzene	4.54	78	48080	4.180	ppb	96
32) Trichloroethene	5.09	95	13720	4.112	ppb	83
33) 1,2-Dichloropropane	5.28	63	10952	4.304	ppb	94
34) Bromodichloromethane	5.51	83	15589	4.036	ppb	95
36) Dibromomethane	5.37	93	8194	4.245	ppb	# 80

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110812.D
 Acq On : 8 Nov 2022 1:42 pm
 Operator : LM
 Sample : 5 ppb 8260 ICAL 67-177M
 Misc : soil/water
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS4

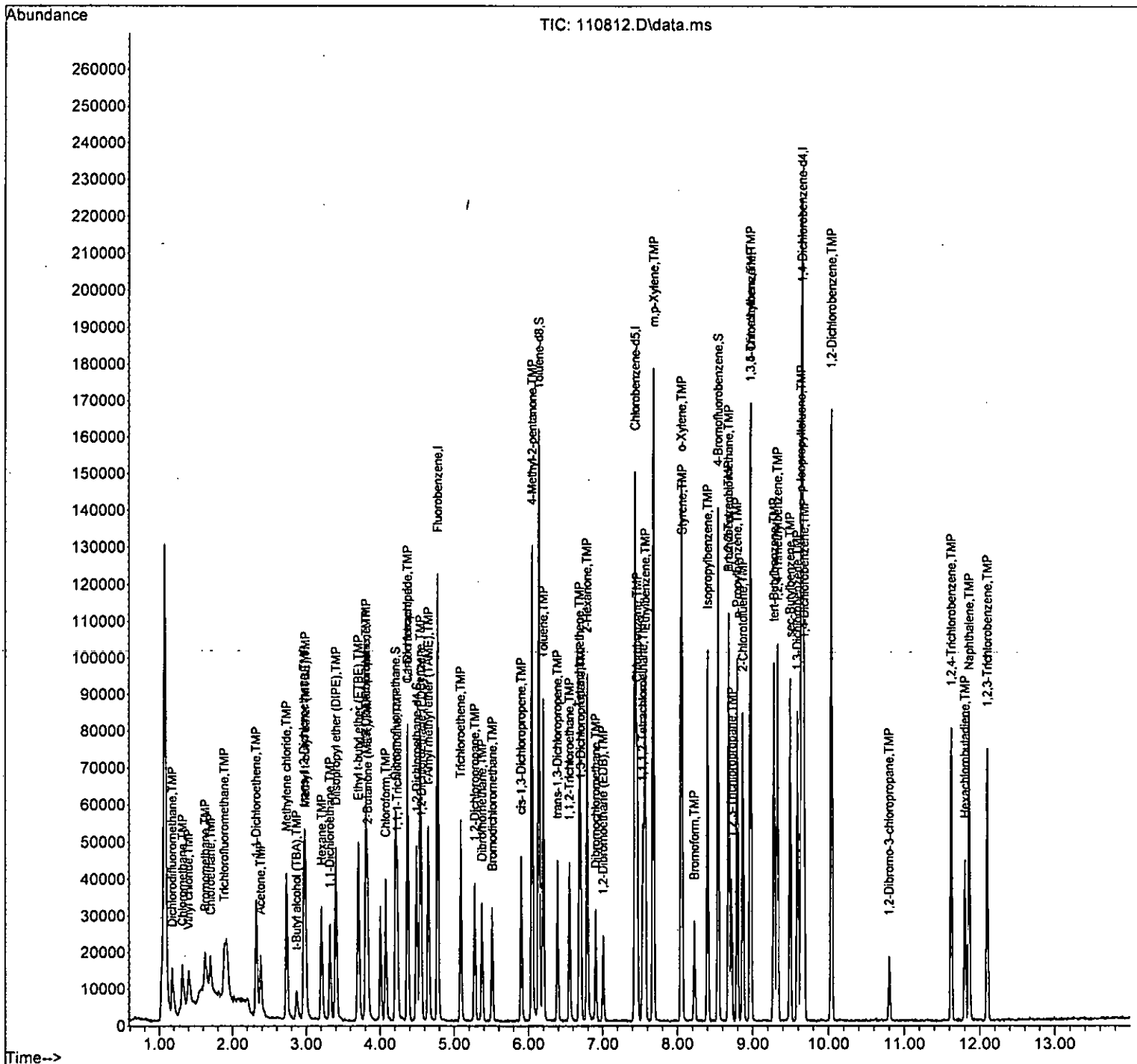
Quant Time: Nov 08 16:47:37 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
37) 4-Methyl-2-pentanone	6.05	85	14452	21.006	ppb	#	75
38) cis-1,3-Dichloropropene	5.90	75	19303	4.279	ppb		92
40) Toluene	6.20	92	30432	4.180	ppb		99
41) trans-1,3-Dichloropropene	6.39	75	17675	4.250	ppb		93
42) 1,1,2-Trichloroethane	6.55	83	9494	4.306	ppb		95
43) 2-Hexanone	6.79	43	51977	21.563	ppb		97
44) 1,3-Dichloropropane	6.70	76	17651	4.188	ppb		96
45) Tetrachloroethene	6.69	164	13894	4.287	ppb		96
46) Dibromochloromethane	6.91	129	13195	4.197	ppb		99
47) 1,2-Dibromoethane (EDB)	7.00	107	12577	4.199	ppb		94
48) Chlorobenzene	7.46	112	36358	4.210	ppb		90
49) Ethylbenzene	7.57	91	58382	4.206	ppb		97
50) 1,1,1,2-Tetrachloroethane	7.54	131	13142	4.105	ppb		94
51) m,p-Xylene	7.68	106	47127	8.398	ppb		90
52) o-Xylene	8.05	106	23267	4.173	ppb	#	80
53) Styrene	8.06	104	40867	4.318	ppb		86
54) Isopropylbenzene	8.40	105	59440	4.207	ppb		93
55) Bromoform	8.22	173	11253	4.414	ppb		99
58) n-Propylbenzene	8.79	91	65339	4.155	ppb		92
59) Bromobenzene	8.68	156	19726	4.335	ppb	#	79
60) 1,3,5-Trimethylbenzene	8.97	105	48841	4.208	ppb		86
61) 1,1,2,2-Tetrachloroethane	8.68	83	17296	4.319	ppb		96
62) 1,2,3-Trichloropropane	8.72	75	13108	4.322	ppb		100
63) 2-Chlorotoluene	8.87	91	40504	4.314	ppb		90
64) 4-Chlorotoluene	8.97	91	47025	4.201	ppb		87
65) tert-Butylbenzene	9.28	119	43398	4.235	ppb		84
66) 1,2,4-Trimethylbenzene	9.33	105	50700	4.194	ppb		93
67) sec-Butylbenzene	9.49	105	58002	4.216	ppb		94
68) p-Isopropyltoluene	9.64	119	52174	4.158	ppb		92
69) 1,3-Dichlorobenzene	9.59	146	34132	4.230	ppb		97
70) 1,4-Dichlorobenzene	9.68	146	35305	4.241	ppb		95
71) 1,2-Dichlorobenzene	10.04	146	33023	4.167	ppb		94
72) 1,2-Dibromo-3-chloropr...	10.80	75	3463	4.171	ppb	#	66
73) 1,2,4-Trichlorobenzene	11.62	180	25476	4.272	ppb		96
74) Hexachlorobutadiene	11.81	225	10392	4.521	ppb		99
75) Naphthalene	11.86	128	63005	4.289	ppb		98
76) 1,2,3-Trichlorobenzene	12.10	180	24074	4.265	ppb		97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110812.D
 Acq On : 8 Nov 2022 1:42 pm
 Operator : LM
 Sample : 5 ppb 8260 ICAL 67-177M
 Misc : soil/water
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:37 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110813.D
 Acq On : 8 Nov 2022 2:06 pm
 Operator : LM
 Sample : 10 ppb 8260 ICAL 67-177N
 Misc : soil/water
 ALS Vial : 11 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:39 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2 TMP	Ethanol	-1.000	0.000	0.0	100	0.00
3 S	Dibromofluoromethane	10.000	10.244	-2.4	100	0.00
4 TMP	Dichlorodifluoromethane	10.000	10.917	-9.2	100	0.00
5 TMP	Chloromethane	10.000	10.568	-5.7	100	0.00
6 TMP	Vinyl chloride	10.000	10.876	-8.8	100	0.00
7 TMP	Bromomethane	10.000	10.393	-3.9	100	0.00
8 TMP	Chloroethane	10.000	10.105	-1.1	100	0.00
9 TMP	Trichlorofluoromethane	10.000	10.225	-2.2	100	0.00
10 TMP	2-Propanol	-1.000	0.000	0.0	0	0.00
11 TMP	Acetone	50.000	62.187	-24.4#	100	0.00
12 TMP	1,1-Dichloroethene	10.000	9.740	2.6	100	0.00
13 TMP	Hexane	10.000	9.810	1.9	100	0.00
14 TMP	Methylene chloride	10.000	10.387	-3.9	100	0.00
15 TMP	t-Butyl alcohol (TBA)	50.000	50.639	-1.3	100	0.00
16 TMP	Methyl t-butyl ether (MTBE)	10.000	10.190	-1.9	100	0.00
17 TMP	trans-1,2-Dichloroethene	10.000	9.834	1.7	100	0.00
18 TMP	Diisopropyl ether (DIPE)	10.000	9.819	1.8	100	0.00
19 TMP	1,1-Dichloroethane	10.000	9.982	0.2	100	0.00
20 TMP	Ethyl t-butyl ether (ETBE)	10.000	10.119	-1.2	100	0.00
21 TMP	2,2-Dichloropropane	10.000	10.365	-3.7	100	0.00
22 TMP	cis-1,2-Dichloroethene	10.000	9.679	3.2	100	0.00
23 TMP	Chloroform	10.000	10.137	-1.4	100	0.00
24 TMP	2-Butanone (MEK)	50.000	46.516	7.0	100	0.00
25 TMP	t-Amyl methyl ether (TAME)	10.000	10.117	-1.2	100	0.00
26 TMP	1,2-Dichloroethane (EDC)	10.000	9.898	1.0	100	0.00
27 TMP	1,1,1-Trichloroethane	10.000	9.992	0.1	100	0.00
28 TMP	1,1-Dichloropropene	10.000	9.771	2.3	100	0.00
29 TMP	Carbon tetrachloride	10.000	9.838	1.6	100	0.00
30 S	1,2-Dichloroethane-d4	10.000	10.078	-0.8	100	0.00
31 TMP	Benzene	10.000	9.786	2.1	100	0.00
32 TMP	Trichloroethene	10.000	9.563	4.4	100	0.00
33 TMP	1,2-Dichloropropane	10.000	10.157	-1.6	100	0.00
34 TMP	Bromodichloromethane	10.000	9.710	2.9	100	0.00
35 S	Toluene-d8	10.000	10.073	-0.7	100	0.00
36 TMP	Dibromomethane	10.000	10.126	-1.3	100	0.00
37 TMP	4-Methyl-2-pentanone	50.000	48.997	2.0	100	0.00
38 TMP	cis-1,3-Dichloropropene	10.000	9.965	0.4	100	0.00
39 I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40 TMP	Toluene	10.000	9.729	2.7	100	0.00
41 TMP	trans-1,3-Dichloropropene	10.000	9.881	1.2	100	0.00
42 TMP	1,1,2-Trichloroethane	10.000	9.782	2.2	100	0.00
43 TMP	2-Hexanone	50.000	49.416	1.2	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110813.D
 Acq On : 8 Nov 2022 2:06 pm
 Operator : LM
 Sample : 10 ppb 8260 ICAL 67-177N
 Misc : soil/water
 ALS Vial : 11 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:39 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	10.000	9.873	1.3	100	0.00
45 TMP Tetrachloroethene	10.000	9.733	2.7	100	0.00
46 TMP Dibromochloromethane	10.000	10.084	-0.8	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	10.000	9.981	0.2	100	0.00
48 TMP Chlorobenzene	10.000	9.963	0.4	100	0.00
49 TMP Ethylbenzene	10.000	9.813	1.9	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	10.000	10.002	-0.0	100	0.00
51 TMP m,p-Xylene	20.000	19.591	2.0	100	0.00
52 TMP o-Xylene	10.000	9.819	1.8	100	0.00
53 TMP Styrene	10.000	10.046	-0.5	100	0.00
54 TMP Isopropylbenzene	10.000	9.843	1.6	100	0.00
55 TMP Bromoform	10.000	10.514	-5.1	100	0.00
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	10.000	10.006	-0.1	100	0.00
58 TMP n-Propylbenzene	10.000	9.765	2.3	100	0.00
59 TMP Bromobenzene	10.000	10.060	-0.6	100	0.00
60 TMP 1,3,5-Trimethylbenzene	10.000	9.726	2.7	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	10.000	10.067	-0.7	100	0.00
62 TMP 1,2,3-Trichloropropane	10.000	10.197	-2.0	100	0.00
63 TMP 2-Chlorotoluene	10.000	9.813	1.9	100	0.00
64 TMP 4-Chlorotoluene	10.000	9.793	2.1	100	0.00
65 TMP tert-Butylbenzene	10.000	9.865	1.3	100	0.00
66 TMP 1,2,4-Trimethylbenzene	10.000	9.698	3.0	100	0.00
67 TMP sec-Butylbenzene	10.000	9.778	2.2	100	0.00
68 TMP p-Isopropyltoluene	10.000	9.727	2.7	100	0.00
69 TMP 1,3-Dichlorobenzene	10.000	9.944	0.6	100	0.00
70 TMP 1,4-Dichlorobenzene	10.000	9.824	1.8	100	0.00
71 TMP 1,2-Dichlorobenzene	10.000	9.861	1.4	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	10.000	10.119	-1.2	100	0.00
73 TMP 1,2,4-Trichlorobenzene	10.000	9.826	1.7	100	0.00
74 TMP Hexachlorobutadiene	10.000	9.518	4.8	100	0.00
75 TMP Naphthalene	10.000	10.019	-0.2	100	0.00
76 TMP 1,2,3-Trichlorobenzene	10.000	10.024	-0.2	100	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110813.D
 Acq On : 8 Nov 2022 2:06 pm
 Operator : LM
 Sample : 10 ppb 8260 ICAL 67-177N
 Misc : soil/water
 ALS Vial : 11 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:39 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I Fluorobenzene	1.000	1.000	0.0	100	0.00
2 TMP Ethanol	0.000	0.000#	0.0	100	0.00
3 S Dibromofluoromethane	0.275	0.282	-2.5	100	0.00
4 TMP Dichlorodifluoromethane	0.410	0.447	-9.0	100	0.00
5 TMP Chloromethane	0.380	0.401	-5.5	100	0.00
6 TMP Vinyl chloride	0.360	0.392	-8.9	100	0.00
7 TMP Bromomethane	0.168	0.174	-3.6	100	0.00
8 TMP Chloroethane	0.189	0.191	-1.1	100	0.00
9 TMP Trichlorofluoromethane	0.562	0.574	-2.1	100	0.00
10 TMP 2-Propanol	0.000	0.000	0.0	0#	0.00
11 TMP Acetone	0.037	0.033	10.8	100	0.00
12 TMP 1,1-Dichloroethene	0.333	0.325	2.4	100	0.00
13 TMP Hexane	0.348	0.342	1.7	100	0.00
14 TMP Methylene chloride	0.369	0.375	-1.6	100	0.00
15 TMP t-Butyl alcohol (TBA)	0.051	0.052	-2.0	100	0.00
16 TMP Methyl t-butyl ether (MTBE)	0.971	0.990	-2.0	100	0.00
17 TMP trans-1,2-Dichloroethene	0.353	0.347	1.7	100	0.00
18 TMP Diisopropyl ether (DIPE)	0.889	0.872	1.9	100	0.00
19 TMP 1,1-Dichloroethane	0.536	0.535	0.2	100	0.00
20 TMP Ethyl t-butyl ether (ETBE)	0.425	0.430	-1.2	100	0.00
21 TMP 2,2-Dichloropropane	0.352	0.358	-1.7	100	0.00
22 TMP cis-1,2-Dichloroethene	0.382	0.370	3.1	100	0.00
23 TMP Chloroform	0.583	0.589	-1.0	100	0.00
24 TMP 2-Butanone (MEK)	0.186	0.173	7.0	100	0.00
25 TMP t-Amyl methyl ether (TAME)	0.964	0.975	-1.1	100	0.00
26 TMP 1,2-Dichloroethane (EDC)	0.438	0.434	0.9	100	0.00
27 TMP 1,1,1-Trichloroethane	0.532	0.532	0.0	100	0.00
28 TMP 1,1-Dichloropropene	0.448	0.438	2.2	100	0.00
29 TMP Carbon tetrachloride	0.479	0.471	1.7	100	0.00
30 S 1,2-Dichloroethane-d4	0.063	0.064	-1.6	100	0.00
31 TMP Benzene	1.286	1.258	2.2	100	0.00
32 TMP Trichloroethene	0.373	0.357	4.3	100	0.00
33 TMP 1,2-Dichloropropane	0.284	0.289	-1.8	100	0.00
34 TMP Bromodichloromethane	0.432	0.419	3.0	100	0.00
35 S Toluene-d8	1.002	1.009	-0.7	100	0.00
36 TMP Dibromomethane	0.216	0.218	-0.9	100	0.00
37 TMP 4-Methyl-2-pentanone	0.077	0.075	2.6	100	0.00
38 TMP cis-1,3-Dichloropropene	0.504	0.502	0.4	100	0.00
39 I Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40 TMP Toluene	0.968	0.942	2.7	100	0.00
41 TMP trans-1,3-Dichloropropene	0.553	0.546	1.3	100	0.00
42 TMP 1,1,2-Trichloroethane	0.293	0.287	2.0	100	0.00
43 TMP 2-Hexanone	0.320	0.317	0.9	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110813.D
 Acq On : 8 Nov 2022 2:06 pm
 Operator : LM
 Sample : 10 ppb 8260 ICAL 67-177N
 Misc : soil/water
 ALS Vial : 11 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:39 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.560	0.553	1.3	100	0.00
45 TMP Tetrachloroethene	0.431	0.419	2.8	100	0.00
46 TMP Dibromochloromethane	0.429	0.425	0.9	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	0.398	0.397	0.3	100	0.00
48 TMP Chlorobenzene	1.148	1.144	0.3	100	0.00
49 TMP Ethylbenzene	1.845	1.811	1.8	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.426	0.426	0.0	100	0.00
51 TMP m,p-Xylene	0.746	0.731	2.0	100	0.00
52 TMP o-Xylene	0.741	0.728	1.8	100	0.00
53 TMP Styrene	1.258	1.264	-0.5	100	0.00
54 TMP Isopropylbenzene	1.878	1.849	1.5	100	0.00
55 TMP Bromoform	0.362	0.360	0.6	100	0.00
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	0.701	0.702	-0.1	100	0.00
58 TMP n-Propylbenzene	3.165	3.091	2.3	100	0.00
59 TMP Bromobenzene	0.916	0.921	-0.5	100	0.00
60 TMP 1,3,5-Trimethylbenzene	2.336	2.272	2.7	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.806	0.812	-0.7	100	0.00
62 TMP 1,2,3-Trichloropropane	0.610	0.622	-2.0	100	0.00
63 TMP 2-Chlorotoluene	1.890	1.854	1.9	100	0.00
64 TMP 4-Chlorotoluene	2.253	2.206	2.1	100	0.00
65 TMP tert-Butylbenzene	2.062	2.035	1.3	100	0.00
66 TMP 1,2,4-Trimethylbenzene	2.433	2.360	3.0	100	0.00
67 TMP sec-Butylbenzene	2.769	2.707	2.2	100	0.00
68 TMP p-Isopropyltoluene	2.526	2.457	2.7	100	0.00
69 TMP 1,3-Dichlorobenzene	1.624	1.615	0.6	100	0.00
70 TMP 1,4-Dichlorobenzene	1.675	1.646	1.7	100	0.00
71 TMP 1,2-Dichlorobenzene	1.595	1.573	1.4	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	0.167	0.169	-1.2	100	0.00
73 TMP 1,2,4-Trichlorobenzene	1.200	1.179	1.7	100	0.00
74 TMP Hexachlorobutadiene	0.463	0.440	5.0	100	0.00
75 TMP Naphthalene	2.957	2.962	-0.2	100	0.00
76 TMP 1,2,3-Trichlorobenzene	1.136	1.139	-0.3	100	0.00

(#) = Out of Range

SPCC's out = 1 CCC's out = 0

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110813.D
 Acq On : 8 Nov 2022 2:06 pm
 Operator : LM
 Sample : 10 ppb 8260 ICAL 67-177N
 Misc : soil/water
 ALS Vial : 11 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:39 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	4.78	96	86139	10.000	ppb	0.00
39) Chlorobenzene-d5	7.43	117	72870	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.65	152	48476	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.21	113	24257	10.244	ppb	0.00
Spiked Amount	10.000	Range	0 - 1000	Recovery	=	102.40%
30) 1,2-Dichloroethane-d4	4.49	102	5512	10.078	ppb	0.00
Spiked Amount	10.000	Range	90 - 109	Recovery	=	100.80%
35) Toluene-d8	6.14	98	86923	10.073	ppb	0.00
Spiked Amount	10.000	Range	89 - 112	Recovery	=	100.70%
57) 4-Bromofluorobenzene	8.54	95	34015	10.006	ppb	0.00
Spiked Amount	10.000	Range	84 - 115	Recovery	=	100.10%
Target Compounds						
						Qvalue
2) Ethanol	1.07	45	3675	No Calib		
4) Dichlorodifluoromethane	1.17	85	38520	10.917	ppb	93
5) Chloromethane	1.31	50	34573	10.568	ppb	98
6) Vinyl chloride	1.40	62	33754	10.876	ppb	99
7) Bromomethane	1.62	94	14997	10.393	ppb	96
8) Chloroethane	1.70	64	16446	10.105	ppb	96
9) Trichlorofluoromethane	1.89	101	49471	10.225	ppb	97
10) 2-Propanol	2.99	45	4187	No Calib		
11) Acetone	2.38	58	14269	62.187	ppb	# 85
12) 1,1-Dichloroethene	2.32	96	27970	9.740	ppb	# 80
13) Hexane	3.21	57	29450	9.810	ppb	95
14) Methylene chloride	2.73	84	32340	10.387	ppb	87
15) t-Butyl alcohol (TBA)	2.87	59	22349	50.639	ppb	91
16) Methyl t-butyl ether (...)	2.99	73	85266	10.190	ppb	98
17) trans-1,2-Dichloroethene	2.97	96	29891	9.834	ppb	82
18) Diisopropyl ether (DIPE)	3.40	45	75154	9.819	ppb	92
19) 1,1-Dichloroethane	3.32	63	46066	9.982	ppb	98
20) Ethyl t-butyl ether (E...)	3.70	87	37042	10.119	ppb	84
21) 2,2-Dichloropropane	3.81	77	30831	10.365	ppb	98
22) cis-1,2-Dichloroethene	3.81	96	31848	9.679	ppb	83
23) Chloroform	4.08	83	50696	10.137	ppb	98
24) 2-Butanone (MEK)	3.83	43	74567	46.516	ppb	93
25) t-Amyl methyl ether (T...)	4.65	73	83979	10.117	ppb	99
26) 1,2-Dichloroethane (EDC)	4.55	62	37360	9.898	ppb	96
27) 1,1,1-Trichloroethane	4.23	97	45822	9.992	ppb	94
28) 1,1-Dichloropropene	4.37	75	37718	9.771	ppb	89
29) Carbon tetrachloride	4.37	117	40614	9.838	ppb	93
31) Benzene	4.54	78	108371	9.786	ppb	95
32) Trichloroethene	5.09	95	30717	9.563	ppb	79
33) 1,2-Dichloropropane	5.28	63	24884	10.157	ppb	92
34) Bromodichloromethane	5.51	83	36106	9.710	ppb	97
36) Dibromomethane	5.37	93	18816	10.126	ppb	84

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110813.D
 Acq On : 8 Nov 2022 2:06 pm
 Operator : LM
 Sample : 10 ppb 8260 ICAL 67-177N
 Misc : soil/water
 ALS Vial : 11 Sample Multiplier: 1
 InstName : GCMS4

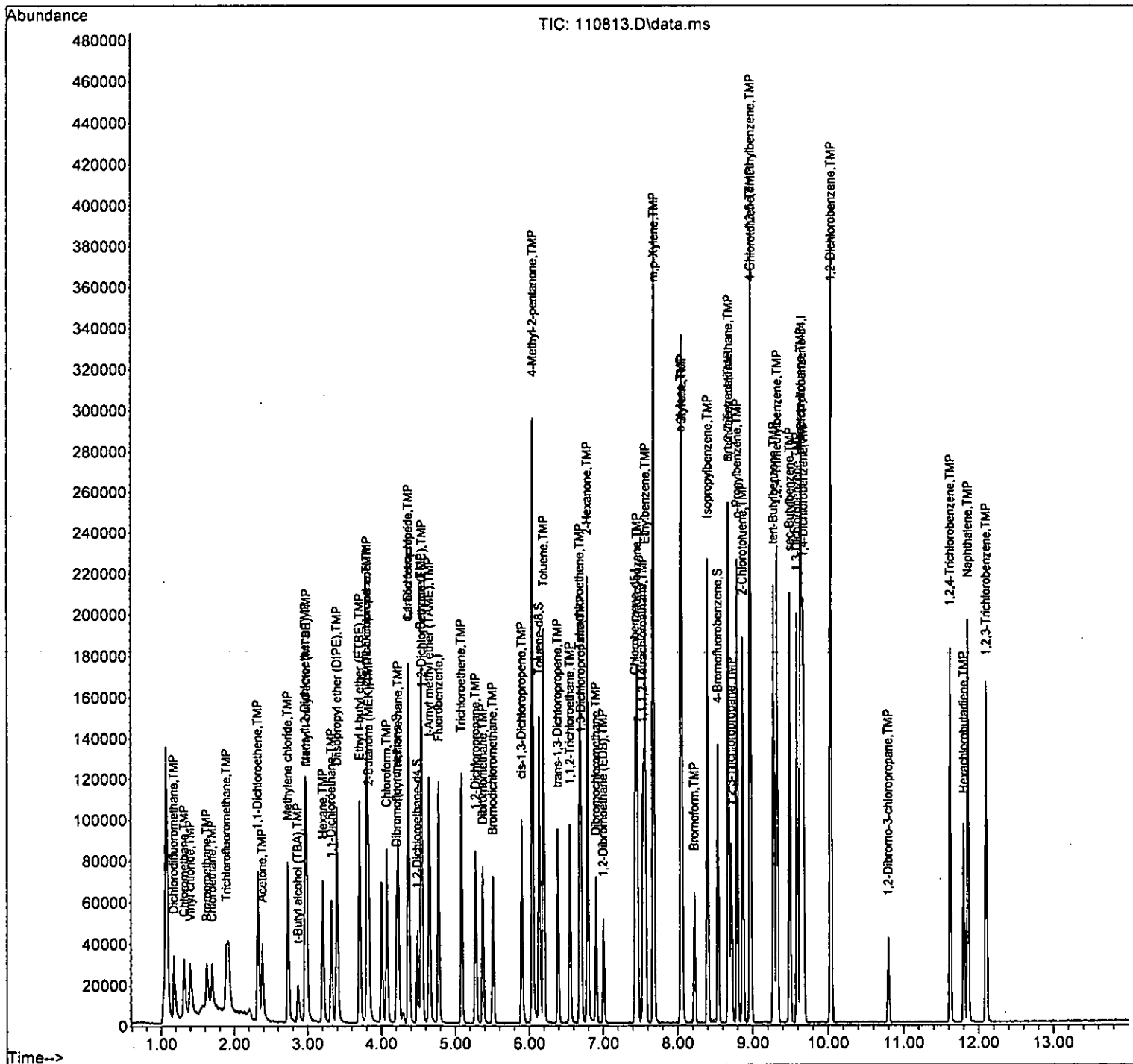
Quant Time: Nov 08 16:47:39 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	6.05	85	32453	48.997	ppb	# 76
38) cis-1,3-Dichloropropene	5.90	75	43280	9.965	ppb	94
40) Toluene	6.20	92	68608	9.729	ppb	97
41) trans-1,3-Dichloropropene	6.39	75	39809	9.881	ppb	96
42) 1,1,2-Trichloroethane	6.56	83	20892	9.782	ppb	90
43) 2-Hexanone	6.79	43	115386	49.416	ppb	97
44) 1,3-Dichloropropane	6.70	76	40305	9.873	ppb	98
45) Tetrachloroethene	6.69	164	30558	9.733	ppb	98
46) Dibromochloromethane	6.91	129	30998	10.084	ppb	98
47) 1,2-Dibromoethane (EDB)	7.00	107	28961	9.981	ppb	93
48) Chlorobenzene	7.46	112	83349	9.963	ppb	87
49) Ethylbenzene	7.57	91	131940	9.813	ppb	92
50) 1,1,1,2-Tetrachloroethane	7.54	131	31017	10.002	ppb	96
51) m,p-Xylene	7.68	106	106488	19.591	ppb	86
52) o-Xylene	8.05	106	53035	9.819	ppb	87
53) Styrene	8.06	104	92093	10.046	ppb	86
54) Isopropylbenzene	8.40	105	134703	9.843	ppb	94
55) Bromoform	8.22	173	26242	10.514	ppb	98
58) n-Propylbenzene	8.79	91	149824	9.765	ppb	92
59) Bromobenzene	8.68	156	44663	10.060	ppb	# 81
60) 1,3,5-Trimethylbenzene	8.97	105	110148	9.726	ppb	84
61) 1,1,2,2-Tetrachloroethane	8.68	83	39339	10.067	ppb	99
62) 1,2,3-Trichloropropane	8.72	75	30176	10.197	ppb	98
63) 2-Chlorotoluene	8.87	91	89886	9.813	ppb	88
64) 4-Chlorotoluene	8.97	91	106962	9.793	ppb	88
65) tert-Butylbenzene	9.28	119	98631	9.865	ppb	84
66) 1,2,4-Trimethylbenzene	9.33	105	114387	9.698	ppb	89
67) sec-Butylbenzene	9.49	105	131242	9.778	ppb	91
68) p-Isopropyltoluene	9.64	119	119083	9.727	ppb	92
69) 1,3-Dichlorobenzene	9.59	146	78288	9.944	ppb	96
70) 1,4-Dichlorobenzene	9.68	146	79781	9.824	ppb	96
71) 1,2-Dichlorobenzene	10.04	146	76245	9.861	ppb	94
72) 1,2-Dibromo-3-chloropr...	10.80	75	8198	10.119	ppb	# 72
73) 1,2,4-Trichlorobenzene	11.62	180	57175	9.826	ppb	98
74) Hexachlorobutadiene	11.81	225	21349	9.518	ppb	98
75) Naphthalene	11.86	128	143609	10.019	ppb	99
76) 1,2,3-Trichlorobenzene	12.10	180	55201	10.024	ppb	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110813.D
 Acq On : 8 Nov 2022 2:06 pm
 Operator : LM
 Sample : 10 ppb 8260 ICAL 67-177N
 Misc : soil/water
 ALS Vial : 11 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:39 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110814.D
 Acq On : 8 Nov 2022 2:30 pm
 Operator : LM
 Sample : 20 ppb 8260 ICAL 67-1770
 Misc : soil/water
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:41 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2 TMP	Ethanol	-1.000	0.000	0.0	100	0.00
3 S	Dibromofluoromethane	10.000	10.076	-0.8	100	0.00
4 TMP	Dichlorodifluoromethane	20.000	20.024	-0.1	100	0.00
5 TMP	Chloromethane	20.000	18.863	5.7	100	0.00
6 TMP	Vinyl chloride	20.000	19.553	2.2	100	0.00
7 TMP	Bromomethane	20.000	16.930	15.4	100	0.00
8 TMP	Chloroethane	20.000	18.005	10.0	100	0.00
9 TMP	Trichlorofluoromethane	20.000	18.677	6.6	100	0.00
10 TMP	2-Propanol	-1.000	0.000	0.0	0	0.00
11 TMP	Acetone	100.000	111.742	-11.7	100	0.00
12 TMP	1,1-Dichloroethene	20.000	18.213	8.9	100	0.00
13 TMP	Hexane	20.000	17.939	10.3	100	0.00
14 TMP	Methylene chloride	20.000	19.138	4.3	100	0.00
15 TMP	t-Butyl alcohol (TBA)	100.000	95.296	4.7	100	0.00
16 TMP	Methyl t-butyl ether (MTBE)	20.000	18.777	6.1	100	0.00
17 TMP	trans-1,2-Dichloroethene	20.000	17.979	10.1	100	0.00
18 TMP	Diisopropyl ether (DIPE)	20.000	18.490	7.6	100	0.00
19 TMP	1,1-Dichloroethane	20.000	18.418	7.9	100	0.00
20 TMP	Ethyl t-butyl ether (ETBE)	20.000	18.693	6.5	100	0.00
21 TMP	2,2-Dichloropropane	20.000	18.940	5.3	100	0.00
22 TMP	cis-1,2-Dichloroethene	20.000	18.186	9.1	100	0.00
23 TMP	Chloroform	20.000	18.801	6.0	100	0.00
24 TMP	2-Butanone (MEK)	100.000	86.692	13.3	100	0.00
25 TMP	t-Amyl methyl ether (TAME)	20.000	18.668	6.7	100	0.00
26 TMP	1,2-Dichloroethane (EDC)	20.000	18.548	7.3	100	0.00
27 TMP	1,1,1-Trichloroethane	20.000	18.613	6.9	100	0.00
28 TMP	1,1-Dichloropropane	20.000	18.098	9.5	100	0.00
29 TMP	Carbon tetrachloride	20.000	18.618	6.9	100	0.00
30 S	1,2-Dichloroethane-d4	10.000	9.995	0.1	100	0.00
31 TMP	Benzene	20.000	18.023	9.9	100	0.00
32 TMP	Trichloroethene	20.000	17.406	13.0	100	0.00
33 TMP	1,2-Dichloropropane	20.000	18.813	5.9	100	0.00
34 TMP	Bromodichloromethane	20.000	18.236	8.8	100	0.00
35 S	Toluene-d8	10.000	10.028	-0.3	100	0.00
36 TMP	Dibromomethane	20.000	18.806	6.0	100	0.00
37 TMP	4-Methyl-2-pentanone	100.000	92.699	7.3	100	0.00
38 TMP	cis-1,3-Dichloropropene	20.000	18.470	7.7	100	0.00
39 I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40 TMP	Toluene	20.000	18.694	6.5	100	0.00
41 TMP	trans-1,3-Dichloropropene	20.000	18.791	6.0	100	0.00
42 TMP	1,1,2-Trichloroethane	20.000	18.407	8.0	100	0.00
43 TMP	2-Hexanone	100.000	92.398	7.6	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110814.D
 Acq On : 8 Nov 2022 2:30 pm
 Operator : LM
 Sample : 20 ppb 8260 ICAL 67-1770
 Misc : soil/water
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:41 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	20.000	18.711	6.4	100	0.00
45 TMP Tetrachloroethene	20.000	18.689	6.6	100	0.00
46 TMP Dibromochloromethane	20.000	19.445	2.8	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	20.000	18.998	5.0	100	0.00
48 TMP Chlorobenzene	20.000	18.540	7.3	100	0.00
49 TMP Ethylbenzene	20.000	18.370	8.1	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	20.000	18.909	5.5	100	0.00
51 TMP m,p-Xylene	40.000	37.140	7.1	100	0.00
52 TMP o-Xylene	20.000	18.327	8.4	100	0.00
53 TMP Styrene	20.000	18.638	6.8	100	0.00
54 TMP Isopropylbenzene	20.000	18.293	8.5	100	0.00
55 TMP Bromoform	20.000	19.991	0.0	100	0.00
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	10.000	9.932	0.7	100	0.00
58 TMP n-Propylbenzene	20.000	18.187	9.1	100	0.00
59 TMP Bromobenzene	20.000	18.540	7.3	100	0.00
60 TMP 1,3,5-Trimethylbenzene	20.000	18.399	8.0	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	20.000	18.718	6.4	100	0.00
62 TMP 1,2,3-Trichloropropane	20.000	18.463	7.7	100	0.00
63 TMP 2-Chlorotoluene	20.000	18.286	8.6	100	0.00
64 TMP 4-Chlorotoluene	20.000	17.953	10.2	100	0.00
65 TMP tert-Butylbenzene	20.000	18.417	7.9	100	0.00
66 TMP 1,2,4-Trimethylbenzene	20.000	18.090	9.6	100	0.00
67 TMP sec-Butylbenzene	20.000	18.326	8.4	100	0.00
68 TMP p-Isopropyltoluene	20.000	18.149	9.3	100	0.00
69 TMP 1,3-Dichlorobenzene	20.000	18.333	8.3	100	0.00
70 TMP 1,4-Dichlorobenzene	20.000	18.150	9.3	100	0.00
71 TMP 1,2-Dichlorobenzene	20.000	18.378	8.1	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	20.000	18.768	6.2	100	0.00
73 TMP 1,2,4-Trichlorobenzene	20.000	18.709	6.5	100	0.00
74 TMP Hexachlorobutadiene	20.000	18.763	6.2	100	0.00
75 TMP Naphthalene	20.000	18.970	5.2	100	0.00
76 TMP 1,2,3-Trichlorobenzene	20.000	18.735	6.3	100	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110814.D
 Acq On : 8 Nov 2022 2:30 pm
 Operator : LM
 Sample : 20 ppb 8260 ICAL 67-1770
 Misc : soil/water
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:41 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I Fluorobenzene	1.000	1.000	0.0	100	0.00
2 TMP Ethanol	0.000	0.000#	0.0	100	0.00
3 S Dibromofluoromethane	0.275	0.277	-0.7	100	0.00
4 TMP Dichlorodifluoromethane	0.410	0.410	0.0	100	0.00
5 TMP Chloromethane	0.380	0.358	5.8	100	0.00
6 TMP Vinyl chloride	0.360	0.352	2.2	100	0.00
7 TMP Bromomethane	0.168	0.142	15.5	100	0.00
8 TMP Chloroethane	0.189	0.170	10.1	100	0.00
9 TMP Trichlorofluoromethane	0.562	0.525	6.6	100	0.00
10 TMP 2-Propanol	0.000	0.000	0.0	0#	0.00
11 TMP Acetone	0.037	0.030	18.9	100	0.00
12 TMP 1,1-Dichloroethene	0.333	0.304	8.7	100	0.00
13 TMP Hexane	0.348	0.313	10.1	100	0.00
14 TMP Methylene chloride	0.369	0.325	11.9	100	0.00
15 TMP t-Butyl alcohol (TBA)	0.051	0.049	3.9	100	0.00
16 TMP Methyl t-butyl ether (MTBE)	0.971	0.912	6.1	100	0.00
17 TMP trans-1,2-Dichloroethene	0.353	0.317	10.2	100	0.00
18 TMP Diisopropyl ether (DIPE)	0.889	0.821	7.6	100	0.00
19 TMP 1,1-Dichloroethane	0.536	0.493	8.0	100	0.00
20 TMP Ethyl t-butyl ether (ETBE)	0.425	0.397	6.6	100	0.00
21 TMP 2,2-Dichloropropane	0.352	0.323	8.2	100	0.00
22 TMP cis-1,2-Dichloroethene	0.382	0.347	9.2	100	0.00
23 TMP Chloroform	0.583	0.545	6.5	100	0.00
24 TMP 2-Butanone (MEK)	0.186	0.161	13.4	100	0.00
25 TMP t-Amyl methyl ether (TAME)	0.964	0.899	6.7	100	0.00
26 TMP 1,2-Dichloroethane (EDC)	0.438	0.406	7.3	100	0.00
27 TMP 1,1,1-Trichloroethane	0.532	0.495	7.0	100	0.00
28 TMP 1,1-Dichloropropene	0.448	0.406	9.4	100	0.00
29 TMP Carbon tetrachloride	0.479	0.446	6.9	100	0.00
30 S 1,2-Dichloroethane-d4	0.063	0.063	0.0	100	0.00
31 TMP Benzene	1.286	1.159	9.9	100	0.00
32 TMP Trichloroethene	0.373	0.325	12.9	100	0.00
33 TMP 1,2-Dichloropropane	0.284	0.268	5.6	100	0.00
34 TMP Bromodichloromethane	0.432	0.394	8.8	100	0.00
35 S Toluene-d8	1.002	1.005	-0.3	100	0.00
36 TMP Dibromomethane	0.216	0.203	6.0	100	0.00
37 TMP 4-Methyl-2-pentanone	0.077	0.071	7.8	100	0.00
38 TMP cis-1,3-Dichloropropene	0.504	0.466	7.5	100	0.00
39 I Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40 TMP Toluene	0.968	0.905	6.5	100	0.00
41 TMP trans-1,3-Dichloropropene	0.553	0.519	6.1	100	0.00
42 TMP 1,1,2-Trichloroethane	0.293	0.270	7.8	100	0.00
43 TMP 2-Hexanone	0.320	0.296	7.5	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110814.D
 Acq On : 8 Nov 2022 2:30 pm
 Operator : LM
 Sample : 20 ppb 8260 ICAL 67-1770
 Misc : soil/water
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:41 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.560	0.524	6.4	100	0.00
45 TMP Tetrachloroethene	0.431	0.403	6.5	100	0.00
46 TMP Dibromochloromethane	0.429	0.414	3.5	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	0.398	0.378	5.0	100	0.00
48 TMP Chlorobenzene	1.148	1.064	7.3	100	0.00
49 TMP Ethylbenzene	1.845	1.695	8.1	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.426	0.402	5.6	100	0.00
51 TMP m,p-Xylene	0.746	0.693	7.1	100	0.00
52 TMP o-Xylene	0.741	0.679	8.4	100	0.00
53 TMP Styrene	1.258	1.172	6.8	100	0.00
54 TMP Isopropylbenzene	1.878	1.718	8.5	100	0.00
55 TMP Bromoform	0.362	0.348	3.9	100	0.00
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	0.701	0.697	0.6	100	0.00
58 TMP n-Propylbenzene	3.165	2.878	9.1	100	0.00
59 TMP Bromobenzene	0.916	0.849	7.3	100	0.00
60 TMP 1,3,5-Trimethylbenzene	2.336	2.149	8.0	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.806	0.754	6.5	100	0.00
62 TMP 1,2,3-Trichloropropane	0.610	0.564	7.5	100	0.00
63 TMP 2-Chlorotoluene	1.890	1.728	8.6	100	0.00
64 TMP 4-Chlorotoluene	2.253	2.023	10.2	100	0.00
65 TMP tert-Butylbenzene	2.062	1.899	7.9	100	0.00
66 TMP 1,2,4-Trimethylbenzene	2.433	2.201	9.5	100	0.00
67 TMP sec-Butylbenzene	2.769	2.537	8.4	100	0.00
68 TMP p-Isopropyltoluene	2.526	2.292	9.3	100	0.00
69 TMP 1,3-Dichlorobenzene	1.624	1.489	8.3	100	0.00
70 TMP 1,4-Dichlorobenzene	1.675	1.520	9.3	100	0.00
71 TMP 1,2-Dichlorobenzene	1.595	1.466	8.1	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	0.167	0.157	6.0	100	0.00
73 TMP 1,2,4-Trichlorobenzene	1.200	1.123	6.4	100	0.00
74 TMP Hexachlorobutadiene	0.463	0.434	6.3	100	0.00
75 TMP Naphthalene	2.957	2.804	5.2	100	0.00
76 TMP 1,2,3-Trichlorobenzene	1.136	1.064	6.3	100	0.00

(#) = Out of Range

SPCC's out = 1 CCC's out = 0

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110814.D
 Acq On : 8 Nov 2022 2:30 pm
 Operator : LM
 Sample : 20 ppb 8260 ICAL 67-1770
 Misc : soil/water
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:41 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	4.78	96	89724	10.000	ppb	0.00	
39) Chlorobenzene-d5	7.44	117	75215	10.000	ppb	0.00	
56) 1,4-Dichlorobenzene-d4	9.66	152	49913	10.000	ppb	0.00	
System Monitoring Compounds							
3) Dibromofluoromethane	4.21	113	24852	10.076	ppb	0.00	
Spiked Amount	10.000	Range	0 - 1000	Recovery	=	100.80%	
30) 1,2-Dichloroethane-d4	4.49	102	5694	9.995	ppb	0.00	
Spiked Amount	10.000	Range	90 - 109	Recovery	=	100.00%	
35) Toluene-d8	6.14	98	90130	10.028	ppb	0.00	
Spiked Amount	10.000	Range	89 - 112	Recovery	=	100.30%	
57) 4-Bromofluorobenzene	8.54	95	34766	9.932	ppb	0.00	
Spiked Amount	10.000	Range	84 - 115	Recovery	=	99.30%	
Target Compounds							
							Qvalue
2) Ethanol	1.07	45	3502	No Calib			
4) Dichlorodifluoromethane	1.18	85	73593	20.024	ppb		91
5) Chloromethane	1.32	50	64275	18.863	ppb		99
6) Vinyl chloride	1.40	62	63206	19.553	ppb		95
7) Bromomethane	1.63	94	25447	16.930	ppb		99
8) Chloroethane	1.70	64	30523	18.005	ppb		98
9) Trichlorofluoromethane	1.89	101	94127	18.677	ppb		97
10) 2-Propanol	2.99	45	7835	No Calib			
11) Acetone	2.39	58	27001	111.742	ppb		89
12) 1,1-Dichloroethene	2.32	96	54478	18.213	ppb	#	78
13) Hexane	3.21	57	56092	17.939	ppb		96
14) Methylene chloride	2.73	84	58263	19.138	ppb		89
15) t-Butyl alcohol (TBA)	2.87	59	43808	95.296	ppb		89
16) Methyl t-butyl ether (...)	2.98	73	163668	18.777	ppb		98
17) trans-1,2-Dichloroethene	2.97	96	56922	17.979	ppb	#	81
18) Diisopropyl ether (DIPE)	3.40	45	147412	18.490	ppb		94
19) 1,1-Dichloroethane	3.32	63	88537	18.418	ppb		98
20) Ethyl t-butyl ether (E...)	3.70	87	71277	18.693	ppb		84
21) 2,2-Dichloropropane	3.81	77	58000	18.940	ppb		97
22) cis-1,2-Dichloroethene	3.81	96	62330	18.186	ppb	#	79
23) Chloroform	4.08	83	97888	18.801	ppb		99
24) 2-Butanone (MEK)	3.83	43	144756	86.692	ppb		95
25) t-Amyl methyl ether (T...)	4.65	73	161402	18.668	ppb		99
26) 1,2-Dichloroethane (EDC)	4.55	62	72919	18.548	ppb		96
27) 1,1,1-Trichloroethane	4.23	97	88911	18.613	ppb		94
28) 1,1-Dichloropropene	4.37	75	72768	18.098	ppb		90
29) Carbon tetrachloride	4.37	117	80059	18.618	ppb		93
31) Benzene	4.54	78	207900	18.023	ppb		93
32) Trichloroethene	5.09	95	58233	17.406	ppb	#	76
33) 1,2-Dichloropropane	5.28	63	48010	18.813	ppb		96
34) Bromodichloromethane	5.51	83	70632	18.236	ppb		97
36) Dibromomethane	5.37	93	36401	18.806	ppb		82

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110814.D
 Acq On : 8 Nov 2022 2:30 pm
 Operator : LM
 Sample : 20 ppb 8260 ICAL 67-1770
 Misc : soil/water
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS4

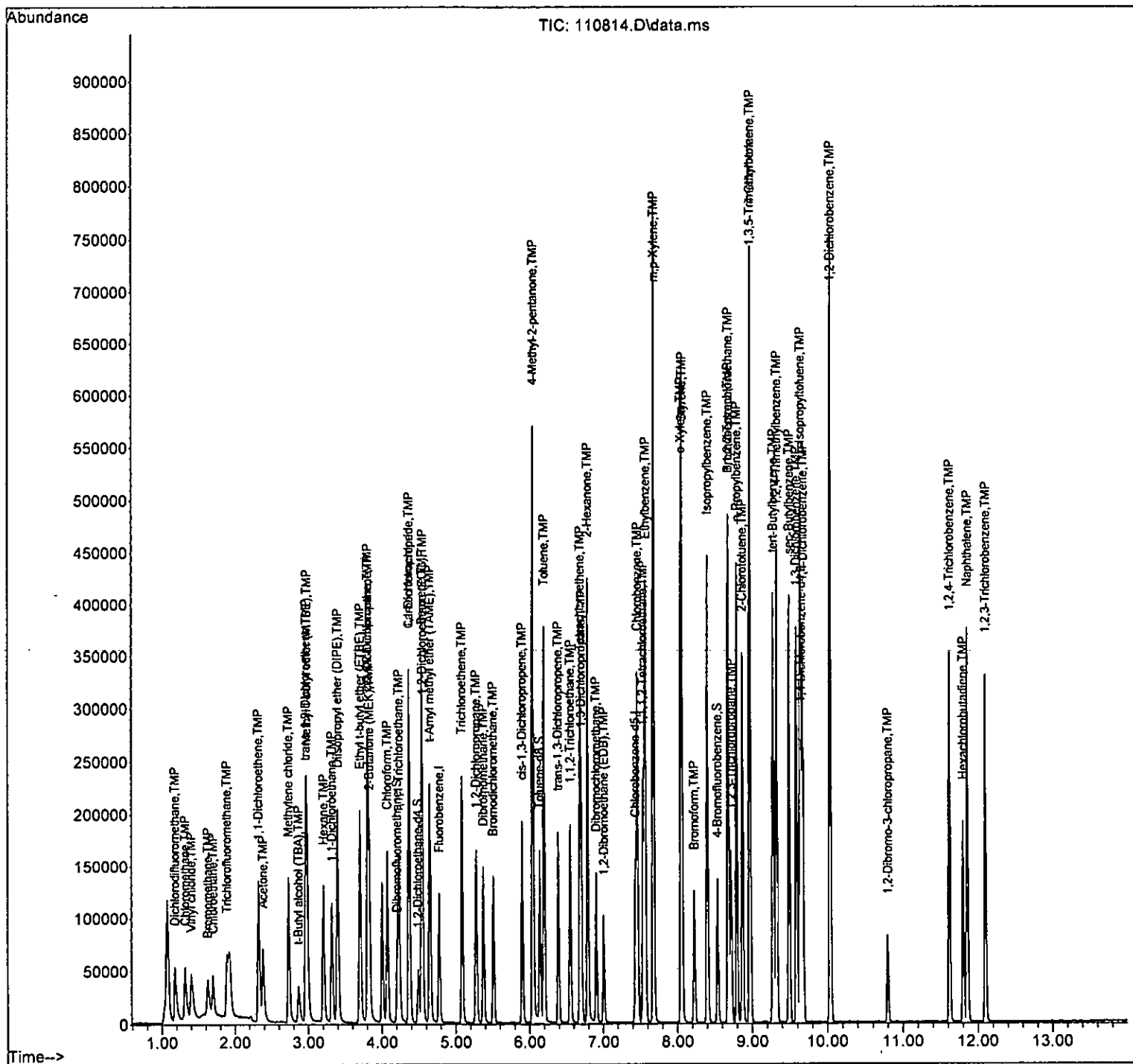
Quant Time: Nov 08 16:47:41 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	6.05	85	63954	92.699	ppb	# 76
38) cis-1,3-Dichloropropene	5.90	75	83559	18.470	ppb	92
40) Toluene	6.20	92	136069	18.694	ppb	97
41) trans-1,3-Dichloropropene	6.39	75	78143	18.791	ppb	95
42) 1,1,2-Trichloroethane	6.55	83	40578	18.407	ppb	87
43) 2-Hexanone	6.79	43	222689	92.398	ppb	97
44) 1,3-Dichloropropane	6.70	76	78842	18.711	ppb	99
45) Tetrachloroethene	6.69	164	60564	18.689	ppb	99
46) Dibromochloromethane	6.91	129	62322	19.445	ppb	100
47) 1,2-Dibromoethane (EDB)	7.01	107	56899	18.998	ppb	95
48) Chlorobenzene	7.46	112	160098	18.540	ppb	89
49) Ethylbenzene	7.57	91	254952	18.370	ppb	92
50) 1,1,1,2-Tetrachloroethane	7.54	131	60525	18.909	ppb	95
51) m,p-Xylene	7.68	106	208379	37.140	ppb	86
52) o-Xylene	8.05	106	102174	18.327	ppb	88
53) Styrene	8.06	104	176352	18.638	ppb	87
54) Isopropylbenzene	8.40	105	258390	18.293	ppb	94
55) Bromoform	8.22	173	52290	19.991	ppb	98
58) n-Propylbenzene	8.79	91	287328	18.187	ppb	91
59) Bromobenzene	8.68	156	84749	18.540	ppb	# 82
60) 1,3,5-Trimethylbenzene	8.97	105	214549	18.399	ppb	89
61) 1,1,2,2-Tetrachloroethane	8.68	83	75310	18.718	ppb	95
62) 1,2,3-Trichloropropane	8.72	75	56257	18.463	ppb	98
63) 2-Chlorotoluene	8.87	91	172461	18.286	ppb	88
64) 4-Chlorotoluene	8.97	91	201899	17.953	ppb	87
65) tert-Butylbenzene	9.28	119	189585	18.417	ppb	84
66) 1,2,4-Trimethylbenzene	9.33	105	219687	18.090	ppb	91
67) sec-Butylbenzene	9.49	105	253268	18.326	ppb	92
68) p-Isopropyltoluene	9.64	119	228782	18.149	ppb	91
69) 1,3-Dichlorobenzene	9.59	146	148613	18.333	ppb	96
70) 1,4-Dichlorobenzene	9.68	146	151773	18.150	ppb	94
71) 1,2-Dichlorobenzene	10.04	146	146308	18.378	ppb	94
72) 1,2-Dibromo-3-chloropr...	10.80	75	15655	18.768	ppb	# 60
73) 1,2,4-Trichlorobenzene	11.62	180	112089	18.709	ppb	99
74) Hexachlorobutadiene	11.81	225	43330	18.763	ppb	99
75) Naphthalene	11.86	128	279962	18.970	ppb	99
76) 1,2,3-Trichlorobenzene	12.10	180	106233	18.735	ppb	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110814.D
 Acq On : 8 Nov 2022 2:30 pm
 Operator : LM
 Sample : 20 ppb 8260 ICAL 67-1770
 Misc : soil/water
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS4

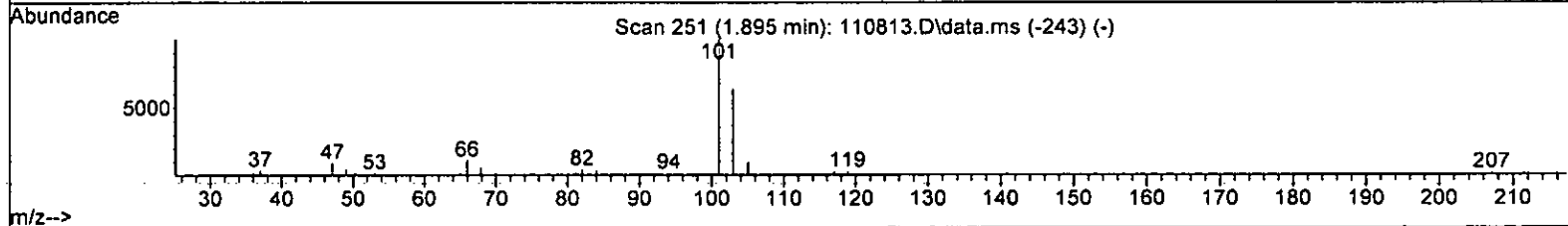
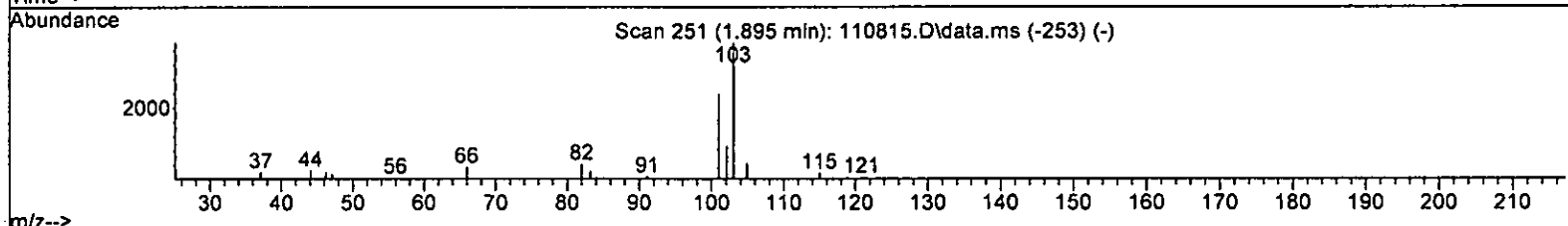
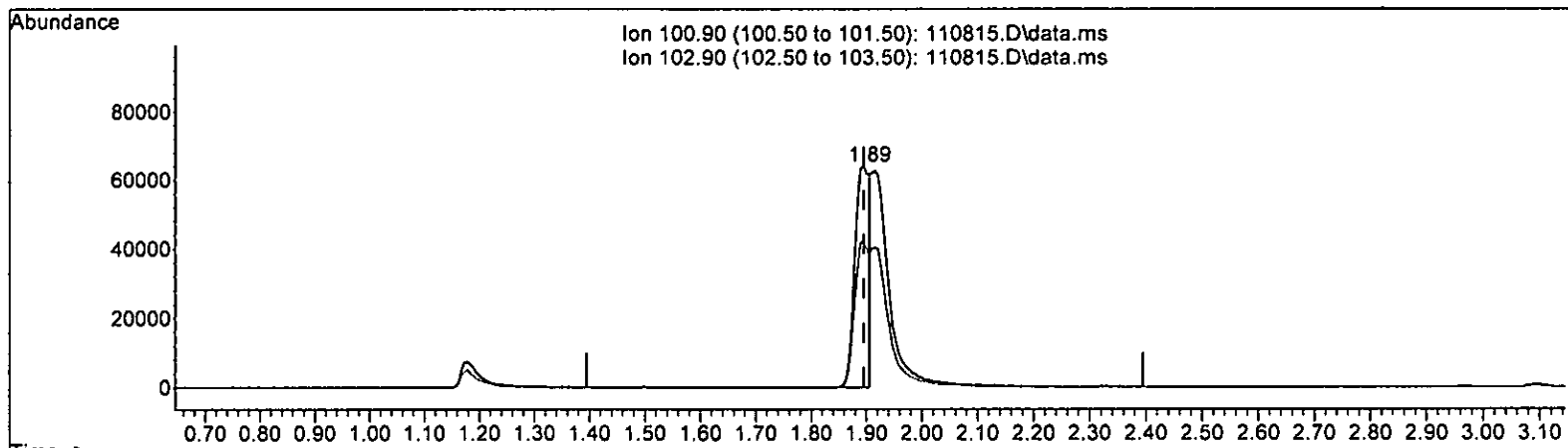
Quant Time: Nov 08 16:47:41 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110815.D
 Acq On : 8 Nov 2022 2:55 pm
 Operator : LM
 Sample : 50 ppb 8260 ICAL 67-177Q
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:43 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



TIC: 110815.D\data.ms

(9) Trichlorofluoromethane (TMF)

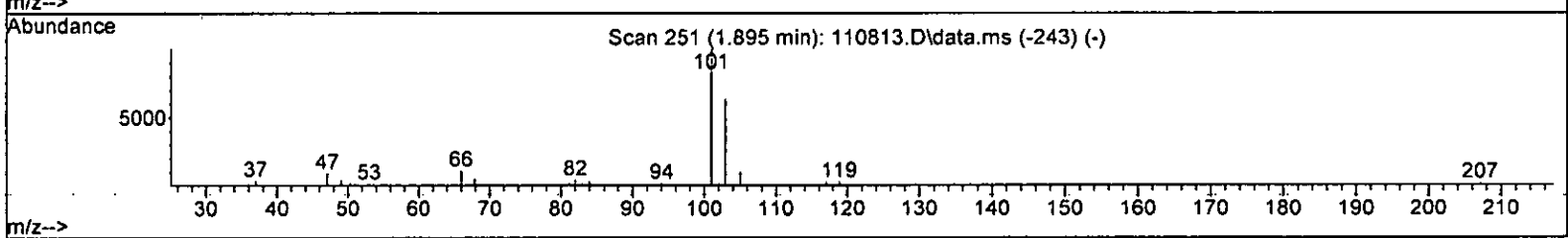
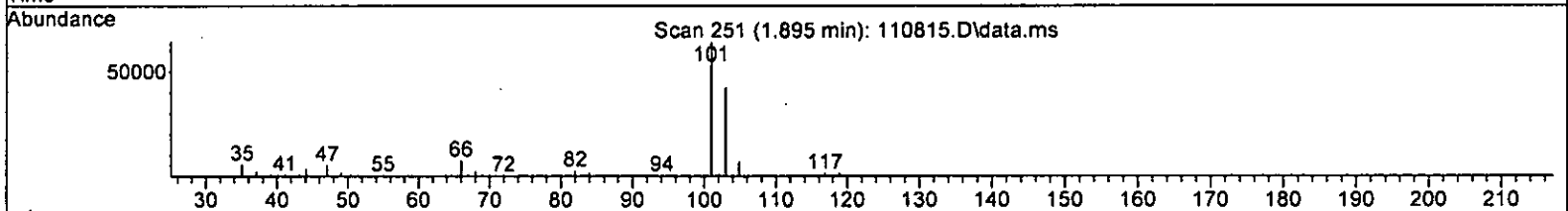
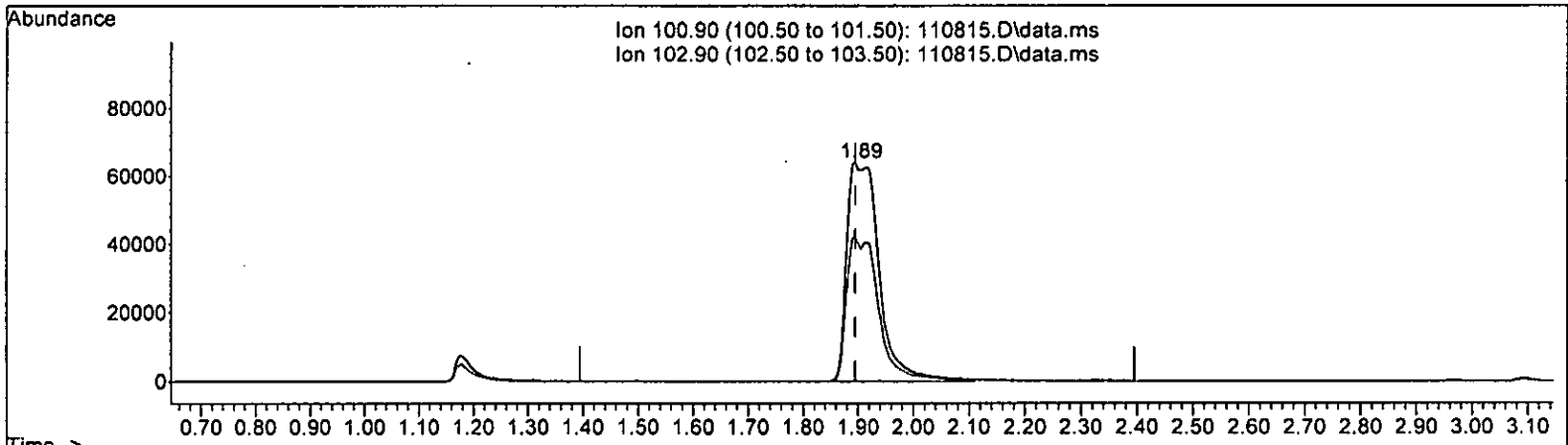
1.895min (-0.000) 22.966 ppb

response	116202
Ion	Exp% Act%
100.90	100.00 100.00
102.90	61.00 65.76
0.00	0.00 0.00
0.00	0.00 0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110815.D
 Acq On : 8 Nov 2022 2:55 pm
 Operator : LM
 Sample : 50 ppb 8260 ICAL 67-177Q
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:43 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



TIC: 110815.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.895min (-0.000) 50.922 ppb m

response 257649

Ion	Exp%	Act%
100.90	100.00	100.00
102.90	61.00	65.76
0.00	0.00	0.00
0.00	0.00	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110815.D
 Acq On : 8 Nov 2022 2:55 pm
 Operator : LM
 Sample : 50 ppb 8260 ICAL 67-177Q
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:43 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I Fluorobenzene	10.000	10.000	0.0	100	0.00
2 TMP Ethanol	-1.000	0.000	0.0	100	0.01
3 S Dibromofluoromethane	10.000	9.862	1.4	100	0.00
4 TMP Dichlorodifluoromethane	50.000	52.412	-4.8	100	0.00
5 TMP Chloromethane	50.000	48.923	2.2	100	0.00
6 TMP Vinyl chloride	50.000	51.715	-3.4	100	0.00
7 TMP Bromomethane	50.000	46.281	7.4	100	0.00
8 TMP Chloroethane	50.000	47.162	5.7	100	0.00
9 TMP Trichlorofluoromethane	50.000	50.922	-1.8	100	0.00
10 TMP 2-Propanol	-1.000	0.000	0.0	0	0.00
11 TMP Acetone	250.000	259.559	-3.8	100	0.00
12 TMP 1,1-Dichloroethene	50.000	47.263	5.5	100	0.00
13 TMP Hexane	50.000	48.056	3.9	100	0.00
14 TMP Methylene chloride	50.000	50.247	-0.5	100	0.00
15 TMP t-Butyl alcohol (TBA)	250.000	254.457	-1.8	100	0.00
16 TMP Methyl t-butyl ether (MTBE)	50.000	49.667	0.7	100	0.00
17 TMP trans-1,2-Dichloroethene	50.000	48.207	3.6	100	0.00
18 TMP Diisopropyl ether (DIPE)	50.000	49.307	1.4	100	0.00
19 TMP 1,1-Dichloroethane	50.000	48.956	2.1	100	0.00
20 TMP Ethyl t-butyl ether (ETBE)	50.000	50.329	-0.7	100	0.00
21 TMP 2,2-Dichloropropane	50.000	48.859	2.3	100	0.00
22 TMP cis-1,2-Dichloroethene	50.000	47.687	4.6	100	0.00
23 TMP Chloroform	50.000	49.526	0.9	100	0.00
24 TMP 2-Butanone (MEK)	250.000	235.469	5.8	100	0.00
25 TMP t-Amyl methyl ether (TAME)	50.000	50.092	-0.2	100	0.00
26 TMP 1,2-Dichloroethane (EDC)	50.000	49.728	0.5	100	0.00
27 TMP 1,1,1-Trichloroethane	50.000	49.050	1.9	100	0.00
28 TMP 1,1-Dichloropropane	50.000	48.826	2.3	100	0.00
29 TMP Carbon tetrachloride	50.000	49.732	0.5	100	0.00
30 S 1,2-Dichloroethane-d4	10.000	10.076	-0.8	100	0.00
31 TMP Benzene	50.000	49.501	1.0	100	0.00
32 TMP Trichloroethene	50.000	47.199	5.6	100	0.00
33 TMP 1,2-Dichloropropane	50.000	50.726	-1.5	100	0.00
34 TMP Bromodichloromethane	50.000	50.458	-0.9	100	0.00
35 S Toluene-d8	10.000	10.075	-0.7	100	0.00
36 TMP Dibromomethane	50.000	50.280	-0.6	100	0.00
37 TMP 4-Methyl-2-pentanone	250.000	256.990	-2.8	100	0.00
38 TMP cis-1,3-Dichloropropene	50.000	50.807	-1.6	100	0.00
39 I Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40 TMP Toluene	50.000	50.193	-0.4	100	0.00
41 TMP trans-1,3-Dichloropropene	50.000	50.591	-1.2	100	0.00
42 TMP 1,1,2-Trichloroethane	50.000	49.806	0.4	100	0.00
43 TMP 2-Hexanone	250.000	254.353	-1.7	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110815.D
 Acq On : 8 Nov 2022 2:55 pm
 Operator : LM
 Sample : 50 ppb 8260 ICAL 67-177Q
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:43 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	50.000	51.006	-2.0	100	0.00
45 TMP Tetrachloroethene	50.000	49.946	0.1	100	0.00
46 TMP Dibromochloromethane	50.000	52.794	-5.6	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	50.000	51.414	-2.8	100	0.00
48 TMP Chlorobenzene	50.000	49.978	0.0	100	0.00
49 TMP Ethylbenzene	50.000	49.625	0.8	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	50.000	50.779	-1.6	100	0.00
51 TMP m,p-Xylene	100.000	98.727	1.3	100	0.00
52 TMP o-Xylene	50.000	48.953	2.1	100	0.00
53 TMP Styrene	50.000	49.978	0.0	100	0.00
54 TMP Isopropylbenzene	50.000	48.859	2.3	100	0.00
55 TMP Bromoform	50.000	53.712	-7.4	100	0.00
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	10.000	9.945	0.5	100	0.00
58 TMP n-Propylbenzene	50.000	49.437	1.1	100	0.00
59 TMP Bromobenzene	50.000	50.349	-0.7	100	0.00
60 TMP 1,3,5-Trimethylbenzene	50.000	49.967	0.1	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	50.000	51.464	-2.9	100	0.00
62 TMP 1,2,3-Trichloropropane	50.000	50.638	-1.3	100	0.00
63 TMP 2-Chlorotoluene	50.000	49.226	1.5	100	0.00
64 TMP 4-Chlorotoluene	50.000	49.384	1.2	100	0.00
65 TMP tert-Butylbenzene	50.000	49.413	1.2	100	0.00
66 TMP 1,2,4-Trimethylbenzene	50.000	48.989	2.0	100	0.00
67 TMP sec-Butylbenzene	50.000	49.630	0.7	100	0.00
68 TMP p-Isopropyltoluene	50.000	49.497	1.0	100	0.00
69 TMP 1,3-Dichlorobenzene	50.000	49.179	1.6	100	0.00
70 TMP 1,4-Dichlorobenzene	50.000	48.863	2.3	100	0.00
71 TMP 1,2-Dichlorobenzene	50.000	49.178	1.6	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	50.000	51.800	-3.6	100	0.00
73 TMP 1,2,4-Trichlorobenzene	50.000	50.734	-1.5	100	0.00
74 TMP Hexachlorobutadiene	50.000	50.627	-1.3	100	0.00
75 TMP Naphthalene	50.000	52.287	-4.6	100	0.00
76 TMP 1,2,3-Trichlorobenzene	50.000	51.424	-2.8	100	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110815.D
 Acq On : 8 Nov 2022 2:55 pm
 Operator : LM
 Sample : 50 ppb 8260 ICAL 67-177Q
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:43 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I Fluorobenzene	1.000	1.000	0.0	100	0.00
2 TMP Ethanol	0.000	0.000#	0.0	100	0.01
3 S Dibromofluoromethane	0.275	0.271	1.5	100	0.00
4 TMP Dichlorodifluoromethane	0.410	0.429	-4.6	100	0.00
5 TMP Chloromethane	0.380	0.372	2.1	100	0.00
6 TMP Vinyl chloride	0.360	0.373	-3.6	100	0.00
7 TMP Bromomethane	0.168	0.155	7.7	100	0.00
8 TMP Chloroethane	0.189	0.178	5.8	100	0.00
9 TMP Trichlorofluoromethane	0.562	0.572	-1.8	100	0.00
10 TMP 2-Propanol	0.000	0.000	0.0	0#	0.00
11 TMP Acetone	0.037	0.032	13.5	100	0.00
12 TMP 1,1-Dichloroethene	0.333	0.315	5.4	100	0.00
13 TMP Hexane	0.348	0.335	3.7	100	0.00
14 TMP Methylene chloride	0.369	0.325	11.9	100	0.00
15 TMP t-Butyl alcohol (TBA)	0.051	0.052	-2.0	100	0.00
16 TMP Methyl t-butyl ether (MTBE)	0.971	0.965	0.6	100	0.00
17 TMP trans-1,2-Dichloroethene	0.353	0.340	3.7	100	0.00
18 TMP Diisopropyl ether (DIPE)	0.889	0.876	1.5	100	0.00
19 TMP 1,1-Dichloroethane	0.536	0.525	2.1	100	0.00
20 TMP Ethyl t-butyl ether (ETBE)	0.425	0.428	-0.7	100	0.00
21 TMP 2,2-Dichloropropane	0.352	0.326	7.4	100	0.00
22 TMP cis-1,2-Dichloroethene	0.382	0.364	4.7	100	0.00
23 TMP Chloroform	0.583	0.575	1.4	100	0.00
24 TMP 2-Butanone (MEK)	0.186	0.175	5.9	100	0.00
25 TMP t-Amyl methyl ether (TAME)	0.964	0.965	-0.1	100	0.00
26 TMP 1,2-Dichloroethane (EDC)	0.438	0.436	0.5	100	0.00
27 TMP 1,1,1-Trichloroethane	0.532	0.522	1.9	100	0.00
28 TMP 1,1-Dichloropropene	0.448	0.438	2.2	100	0.00
29 TMP Carbon tetrachloride	0.479	0.477	0.4	100	0.00
30 S 1,2-Dichloroethane-d4	0.063	0.064	-1.6	100	0.00
31 TMP Benzene	1.286	1.273	1.0	100	0.00
32 TMP Trichloroethene	0.373	0.352	5.6	100	0.00
33 TMP 1,2-Dichloropropane	0.284	0.289	-1.8	100	0.00
34 TMP Bromodichloromethane	0.432	0.436	-0.9	100	0.00
35 S Toluene-d8	1.002	1.009	-0.7	100	0.00
36 TMP Dibromomethane	0.216	0.217	-0.5	100	0.00
37 TMP 4-Methyl-2-pentanone	0.077	0.079	-2.6	100	0.00
38 TMP cis-1,3-Dichloropropene	0.504	0.512	-1.6	100	0.00
39 I Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40 TMP Toluene	0.968	0.971	-0.3	100	0.00
41 TMP trans-1,3-Dichloropropene	0.553	0.559	-1.1	100	0.00
42 TMP 1,1,2-Trichloroethane	0.293	0.292	0.3	100	0.00
43 TMP 2-Hexanone	0.320	0.326	-1.9	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110815.D
 Acq On : 8 Nov 2022 2:55 pm
 Operator : LM
 Sample : 50 ppb 8260 ICAL 67-177Q
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:43 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.560	0.571	-2.0	100	0.00
45 TMP Tetrachloroethene	0.431	0.430	0.2	100	0.00
46 TMP Dibromochloromethane	0.429	0.464	-8.2	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	0.398	0.409	-2.8	100	0.00
48 TMP Chlorobenzene	1.148	1.148	0.0	100	0.00
49 TMP Ethylbenzene	1.845	1.831	0.8	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.426	0.432	-1.4	100	0.00
51 TMP m,p-Xylene	0.746	0.736	1.3	100	0.00
52 TMP o-Xylene	0.741	0.726	2.0	100	0.00
53 TMP Styrene	1.258	1.257	0.1	100	0.00
54 TMP Isopropylbenzene	1.878	1.835	2.3	100	0.00
55 TMP Bromoform	0.362	0.393	-8.6	100	0.00
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	0.701	0.697	0.6	100	0.00
58 TMP n-Propylbenzene	3.165	3.130	1.1	100	0.00
59 TMP Bromobenzene	0.916	0.922	-0.7	100	0.00
60 TMP 1,3,5-Trimethylbenzene	2.336	2.335	0.0	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.806	0.830	-3.0	100	0.00
62 TMP 1,2,3-Trichloropropane	0.610	0.618	-1.3	100	0.00
63 TMP 2-Chlorotoluene	1.890	1.860	1.6	100	0.00
64 TMP 4-Chlorotoluene	2.253	2.225	1.2	100	0.00
65 TMP tert-Butylbenzene	2.062	2.038	1.2	100	0.00
66 TMP 1,2,4-Trimethylbenzene	2.433	2.384	2.0	100	0.00
67 TMP sec-Butylbenzene	2.769	2.748	0.8	100	0.00
68 TMP p-Isopropyltoluene	2.526	2.500	1.0	100	0.00
69 TMP 1,3-Dichlorobenzene	1.624	1.597	1.7	100	0.00
70 TMP 1,4-Dichlorobenzene	1.675	1.637	2.3	100	0.00
71 TMP 1,2-Dichlorobenzene	1.595	1.569	1.6	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	0.167	0.173	-3.6	100	0.00
73 TMP 1,2,4-Trichlorobenzene	1.200	1.218	-1.5	100	0.00
74 TMP Hexachlorobutadiene	0.463	0.468	-1.1	100	0.00
75 TMP Naphthalene	2.957	3.092	-4.6	100	0.00
76 TMP 1,2,3-Trichlorobenzene	1.136	1.168	-2.8	100	0.00

(#) = Out of Range

SPCC's out = 1 CCC's out = 0

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110815.D
 Acq On : 8 Nov 2022 2:55 pm
 Operator : LM
 Sample : 50 ppb 8260 ICAL 67-177Q
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:43 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	4.78	96	90079	10.000	ppb	0.00
39) Chlorobenzene-d5	7.43	117	76555	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.65	152	49605	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.21	113	24421	9.862	ppb	0.00
Spiked Amount	10.000	Range	0 - 1000	Recovery	=	98.60%
30) 1,2-Dichloroethane-d4	4.49	102	5763	10.076	ppb	0.00
Spiked Amount	10.000	Range	90 - 109	Recovery	=	100.80%
35) Toluene-d8	6.14	98	90909	10.075	ppb	0.00
Spiked Amount	10.000	Range	89 - 112	Recovery	=	100.70%
57) 4-Bromofluorobenzene	8.54	95	34598	9.945	ppb	0.00
Spiked Amount	10.000	Range	84 - 115	Recovery	=	99.50%
Target Compounds						
2) Ethanol	1.08	45	3563	No Calib		Qvalue
4) Dichlorodifluoromethane	1.18	85	193390	52.412	ppb	95
5) Chloromethane	1.31	50	167365	48.923	ppb	98
6) Vinyl chloride	1.40	62	167832	51.715	ppb	99
7) Bromomethane	1.63	94	69839	46.281	ppb	94
8) Chloroethane	1.70	64	80269	47.162	ppb	97
9) Trichlorofluoromethane	1.89	101	257649m	50.922	ppb	
10) 2-Propanol	2.98	45	21435	No Calib		
11) Acetone	2.39	58	72310	259.559	ppb	92
12) 1,1-Dichloroethene	2.32	96	141930	47.263	ppb	# 80
13) Hexane	3.21	57	150857	48.056	ppb	95
14) Methylene chloride	2.73	84	146209	50.247	ppb	89
15) t-Butyl alcohol (TBA)	2.87	59	117438	254.457	ppb	90
16) Methyl t-butyl ether (...)	2.99	73	434622	49.667	ppb	97
17) trans-1,2-Dichloroethene	2.97	96	153230	48.207	ppb	83
18) Diisopropyl ether (DIPE)	3.40	45	394656	49.307	ppb	93
19) 1,1-Dichloroethane	3.32	63	236270	48.956	ppb	98
20) Ethyl t-butyl ether (E...)	3.70	87	192669	50.329	ppb	# 83
21) 2,2-Dichloropropane	3.81	77	146788	48.859	ppb	95
22) cis-1,2-Dichloroethene	3.81	96	164087	47.687	ppb	# 81
23) Chloroform	4.08	83	258775	49.526	ppb	99
24) 2-Butanone (MEK)	3.83	43	394736	235.469	ppb	95
25) t-Amyl methyl ether (T...)	4.65	73	434811	50.092	ppb	99
26) 1,2-Dichloroethane (EDC)	4.55	62	196277	49.728	ppb	96
27) 1,1,1-Trichloroethane	4.23	97	235230	49.050	ppb	94
28) 1,1-Dichloropropene	4.37	75	197093	48.826	ppb	90
29) Carbon tetrachloride	4.37	117	214695	49.732	ppb	91
31) Benzene	4.54	78	573260	49.501	ppb	95
32) Trichloroethene	5.09	95	158535	47.199	ppb	79
33) 1,2-Dichloropropane	5.28	63	129960	50.726	ppb	97
34) Bromodichloromethane	5.51	83	196206	50.458	ppb	96
36) Dibromomethane	5.37	93	97707	50.280	ppb	85

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110815.D
 Acq On : 8 Nov 2022 2:55 pm
 Operator : LM
 Sample : 50 ppb 8260 ICAL 67-177Q
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS4

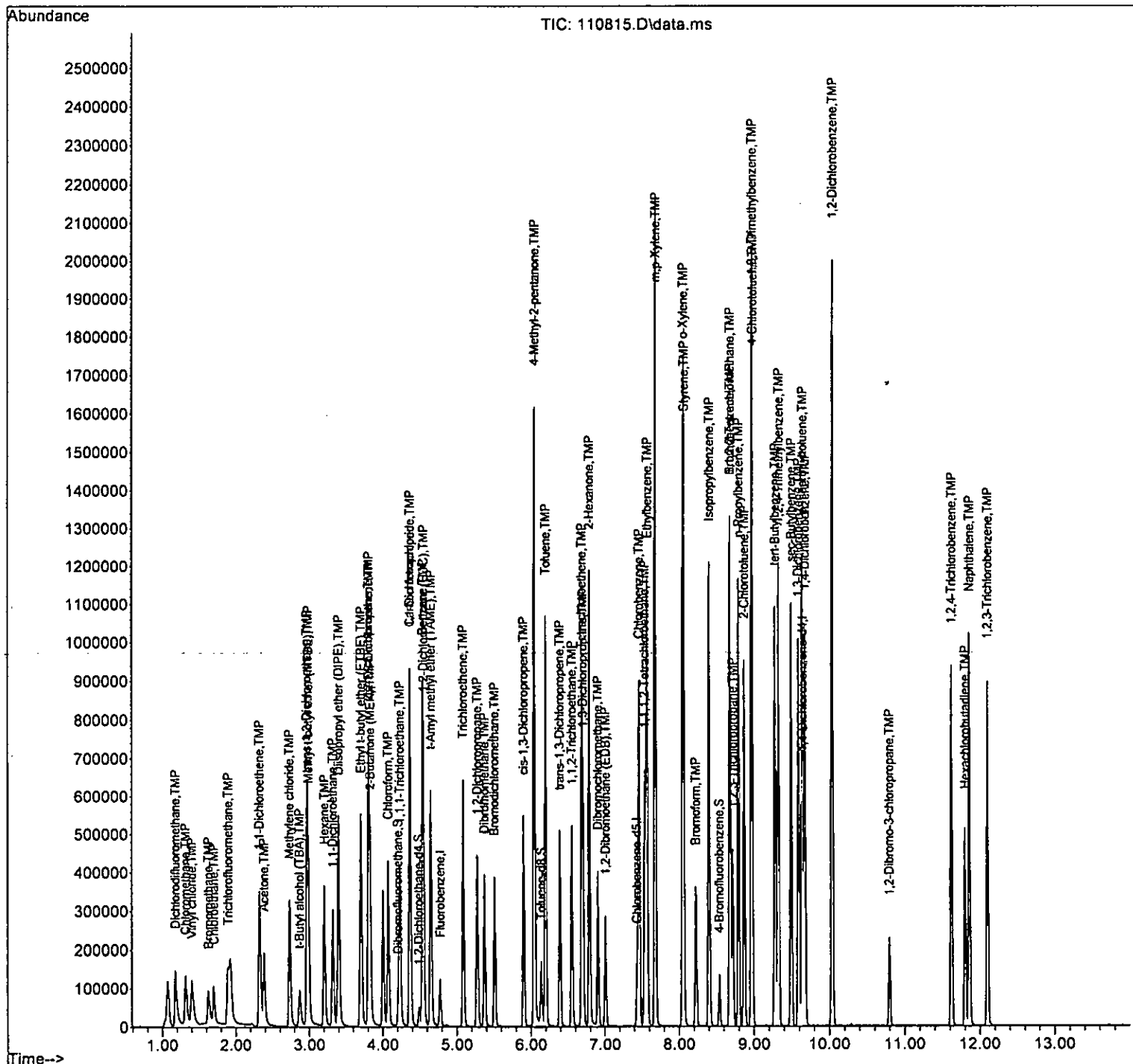
Quant Time: Nov 08 16:47:43 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	6.05	85	178002	256.990	ppb	# 77
38) cis-1,3-Dichloropropene	5.90	75	230758	50.807	ppb	95
40) Toluene	6.20	92	371842	50.193	ppb	96
41) trans-1,3-Dichloropropene	6.39	75	214130	50.591	ppb	97
42) 1,1,2-Trichloroethane	6.55	83	111752	49.806	ppb	89
43) 2-Hexanone	6.79	43	623940	254.353	ppb	96
44) 1,3-Dichloropropane	6.70	76	218745	51.006	ppb	99
45) Tetrachloroethene	6.69	164	164736	49.946	ppb	99
46) Dibromochloromethane	6.91	129	177719	52.794	ppb	99
47) 1,2-Dibromoethane (EDB)	7.01	107	156732	51.414	ppb	94
48) Chlorobenzene	7.46	112	439266	49.978	ppb	89
49) Ethylbenzene	7.57	91	701000	49.625	ppb	94
50) 1,1,1,2-Tetrachloroethane	7.54	131	165428	50.779	ppb	97
51) m,p-Xylene	7.68	106	563786	98.727	ppb	89
52) o-Xylene	8.05	106	277771	48.953	ppb	87
53) Styrene	8.06	104	481315	49.978	ppb	87
54) Isopropylbenzene	8.40	105	702451	48.859	ppb	94
55) Bromoform	8.22	173	150590	53.712	ppb	99
58) n-Propylbenzene	8.79	91	776217	49.437	ppb	93
59) Bromobenzene	8.68	156	228733	50.349	ppb	# 84
60) 1,3,5-Trimethylbenzene	8.97	105	579070	49.967	ppb	88
61) 1,1,2,2-Tetrachloroethane	8.68	83	205783	51.464	ppb	97
62) 1,2,3-Trichloropropane	8.72	75	153345	50.638	ppb	99
63) 2-Chlorotoluene	8.87	91	461392	49.226	ppb	86
64) 4-Chlorotoluene	8.98	91	551962	49.384	ppb	84
65) tert-Butylbenzene	9.28	119	505519	49.413	ppb	85
66) 1,2,4-Trimethylbenzene	9.33	105	591254	48.989	ppb	90
67) sec-Butylbenzene	9.49	105	681674	49.630	ppb	93
68) p-Isopropyltoluene	9.64	119	620109	49.497	ppb	91
69) 1,3-Dichlorobenzene	9.59	146	396205	49.179	ppb	96
70) 1,4-Dichlorobenzene	9.68	146	406078	48.863	ppb	95
71) 1,2-Dichlorobenzene	10.04	146	389080	49.178	ppb	94
72) 1,2-Dibromo-3-chloropr...	10.80	75	42942	51.800	ppb	# 58
73) 1,2,4-Trichlorobenzene	11.62	180	302079	50.734	ppb	98
74) Hexachlorobutadiene	11.81	225	116196	50.627	ppb	98
75) Naphthalene	11.86	128	766905	52.287	ppb	99
76) 1,2,3-Trichlorobenzene	12.10	180	289786	51.424	ppb	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110815.D
 Acq On : 8 Nov 2022 2:55 pm
 Operator : LM
 Sample : 50 ppb 8260 ICAL 67-177Q
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS4

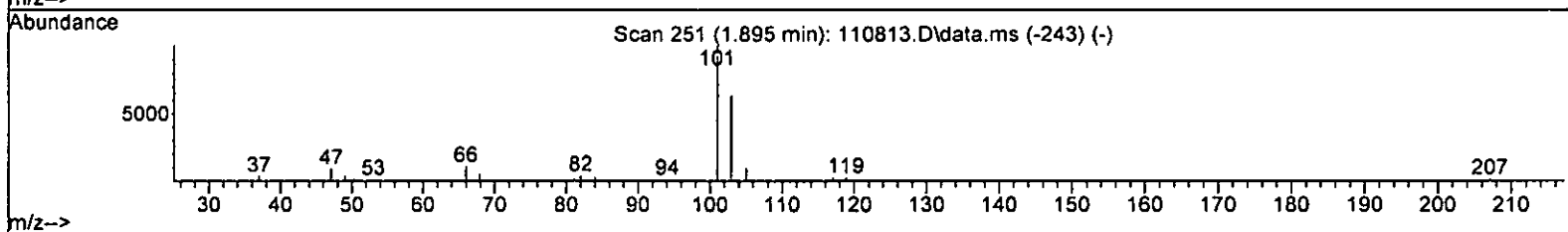
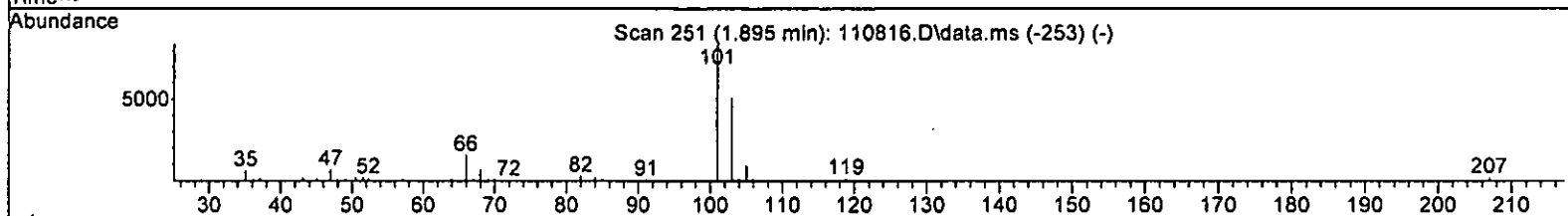
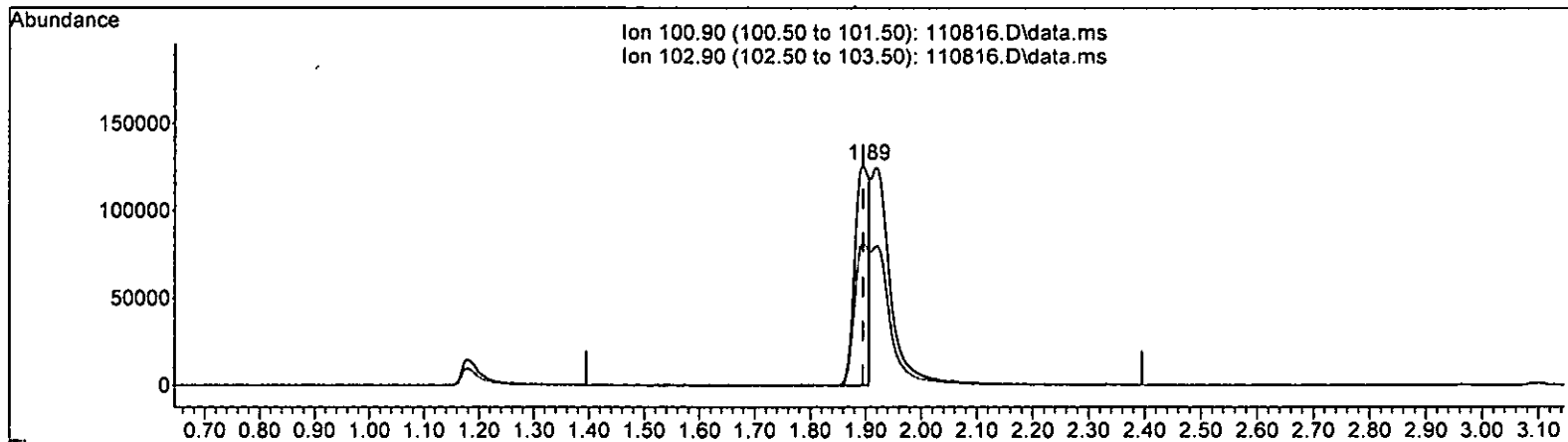
Quant Time: Nov 08 16:47:43 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110816.D
 Acq On : 8 Nov 2022 3:19 pm
 Operator : LM
 Sample : 100 ppb 8260 ICAL 67-1775
 Misc : soil/water
 ALS Vial : 14 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:45 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



TIC: 110816.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.895min (-0.000) 43.828 ppb

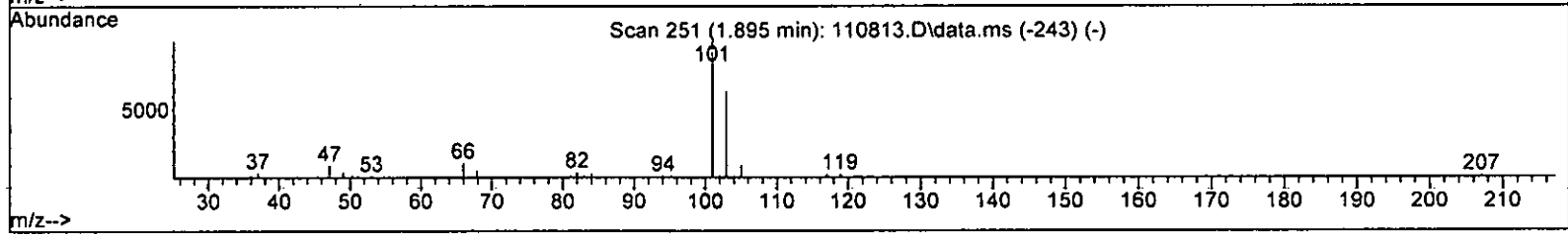
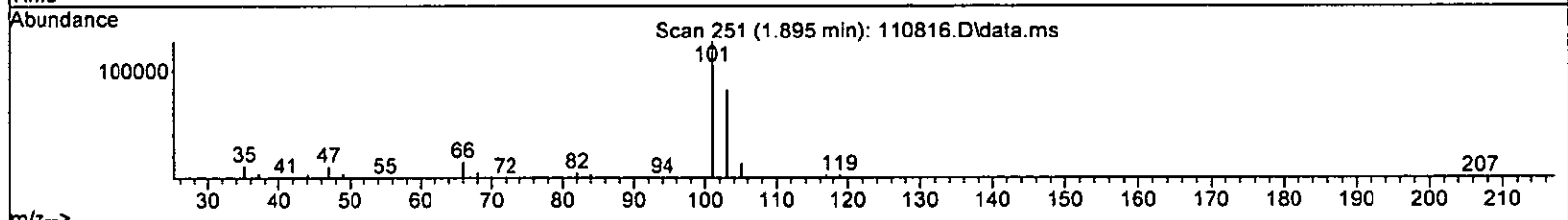
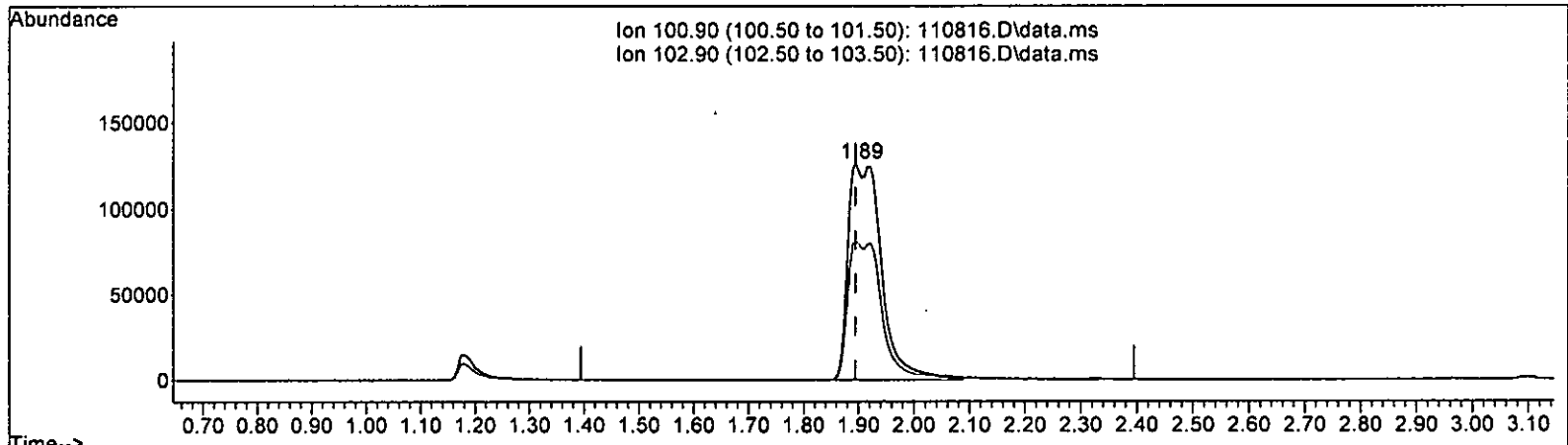
response 222077

Ion	Exp%	Act%
100.90	100.00	100.00
102.90	61.00	64.82
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110816.D
 Acq On : 8 Nov 2022 3:19 pm
 Operator : LM
 Sample : 100 ppb 8260 ICAL 67-177S
 Misc : soil/water
 ALS Vial : 14 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:45 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



TIC: 110816.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.895min (-0.000) 103.817 ppb m

response	526041
Ion	Exp% Act%
100.90	100.00 100.00
102.90	61.00 64.82
0.00	0.00 0.00
0.00	0.00 0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110816.D
 Acq On : 8 Nov 2022 3:19 pm
 Operator : LM
 Sample : 100 ppb 8260 ICAL 67-1775
 Misc : soil/water
 ALS Vial : 14 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:45 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I Fluorobenzene	10.000	10.000	0.0	100	0.00
2 TMP Ethanol	-1.000	0.000	0.0	100	0.00
3 S Dibromofluoromethane	10.000	9.982	0.2	100	0.00
4 TMP Dichlorodifluoromethane	100.000	105.023	-5.0	100	0.00
5 TMP Chloromethane	100.000	100.091	-0.1	100	0.00
6 TMP Vinyl chloride	100.000	105.570	-5.6	100	0.00
7 TMP Bromomethane	100.000	96.389	3.6	100	0.00
8 TMP Chloroethane	100.000	94.730	5.3	100	0.00
9 TMP Trichlorofluoromethane	100.000	103.817	-3.8	100	0.00
10 TMP 2-Propanol	-1.000	0.000	0.0	0	0.00
11 TMP Acetone	500.000	434.249	13.2	100	0.00
12 TMP 1,1-Dichloroethene	100.000	95.252	4.7	100	0.00
13 TMP Hexane	100.000	96.057	3.9	100	0.00
14 TMP Methylene chloride	100.000	101.987	-2.0	100	0.00
15 TMP t-Butyl alcohol (TBA)	500.000	502.749	-0.5	100	0.00
16 TMP Methyl t-butyl ether (MTBE)	100.000	100.931	-0.9	100	0.00
17 TMP trans-1,2-Dichloroethene	100.000	97.177	2.8	100	0.00
18 TMP Diisopropyl ether (DIPE)	100.000	99.558	0.4	100	0.00
19 TMP 1,1-Dichloroethane	100.000	98.993	1.0	100	0.00
20 TMP Ethyl t-butyl ether (ETBE)	100.000	101.717	-1.7	100	0.00
21 TMP 2,2-Dichloropropane	100.000	98.803	1.2	100	0.00
22 TMP cis-1,2-Dichloroethene	100.000	96.730	3.3	100	0.00
23 TMP Chloroform	100.000	100.511	-0.5	100	0.00
24 TMP 2-Butanone (MEK)	500.000	475.073	5.0	100	0.00
25 TMP t-Amyl methyl ether (TAME)	100.000	101.386	-1.4	100	0.00
26 TMP 1,2-Dichloroethane (EDC)	100.000	100.066	-0.1	100	0.00
27 TMP 1,1,1-Trichloroethane	100.000	100.003	-0.0	100	0.00
28 TMP 1,1-Dichloropropene	100.000	100.046	-0.0	100	0.00
29 TMP Carbon tetrachloride	100.000	103.206	-3.2	100	0.00
30 S 1,2-Dichloroethane-d4	10.000	9.880	1.2	100	0.00
31 TMP Benzene	100.000	100.236	-0.2	100	0.00
32 TMP Trichloroethene	100.000	95.995	4.0	100	0.00
33 TMP 1,2-Dichloropropane	100.000	103.419	-3.4	100	0.00
34 TMP Bromodichloromethane	100.000	103.621	-3.6	100	0.00
35 S Toluene-d8	10.000	10.059	-0.6	100	0.00
36 TMP Dibromomethane	100.000	102.211	-2.2	100	0.00
37 TMP 4-Methyl-2-pentanone	500.000	527.038	-5.4	100	0.00
38 TMP cis-1,3-Dichloropropene	100.000	103.435	-3.4	100	0.00
39 I Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40 TMP Toluene	100.000	99.805	0.2	100	0.00
41 TMP trans-1,3-Dichloropropene	100.000	103.055	-3.1	100	0.00
42 TMP 1,1,2-Trichloroethane	100.000	99.980	0.0	100	0.00
43 TMP 2-Hexanone	500.000	503.420	-0.7	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110816.D
 Acq On : 8 Nov 2022 3:19 pm
 Operator : LM
 Sample : 100 ppb 8260 ICAL 67-177S
 Misc : soil/water
 ALS Vial : 14 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:45 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	100.000	103.075	-3.1	100	0.00
45 TMP Tetrachloroethene	100.000	100.570	-0.6	100	0.00
46 TMP Dibromochloromethane	100.000	102.353	-2.4	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	100.000	101.431	-1.4	100	0.00
48 TMP Chlorobenzene	100.000	99.251	0.7	100	0.00
49 TMP Ethylbenzene	100.000	98.315	1.7	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	100.000	101.613	-1.6	100	0.00
51 TMP m,p-Xylene	200.000	200.512	-0.3	100	0.00
52 TMP o-Xylene	100.000	97.329	2.7	100	0.00
53 TMP Styrene	100.000	101.462	-1.5	100	0.00
54 TMP Isopropylbenzene	100.000	98.113	1.9	100	0.00
55 TMP Bromoform	100.000	103.290	-3.3	100	0.00
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	10.000	9.901	1.0	100	0.00
58 TMP n-Propylbenzene	100.000	99.118	0.9	100	0.00
59 TMP Bromobenzene	100.000	100.404	-0.4	100	0.00
60 TMP 1,3,5-Trimethylbenzene	100.000	102.196	-2.2	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	100.000	103.042	-3.0	100	0.00
62 TMP 1,2,3-Trichloropropane	100.000	100.038	-0.0	100	0.00
63 TMP 2-Chlorotoluene	100.000	99.668	0.3	100	0.00
64 TMP 4-Chlorotoluene	100.000	101.737	-1.7	100	0.00
65 TMP tert-Butylbenzene	100.000	100.657	-0.7	100	0.00
66 TMP 1,2,4-Trimethylbenzene	100.000	100.150	-0.2	100	0.00
67 TMP sec-Butylbenzene	100.000	101.025	-1.0	100	0.00
68 TMP p-Isopropyltoluene	100.000	101.272	-1.3	100	0.00
69 TMP 1,3-Dichlorobenzene	100.000	100.290	-0.3	100	0.00
70 TMP 1,4-Dichlorobenzene	100.000	99.443	0.6	100	0.00
71 TMP 1,2-Dichlorobenzene	100.000	101.263	-1.3	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	100.000	108.328	-8.3	100	0.00
73 TMP 1,2,4-Trichlorobenzene	100.000	102.969	-3.0	100	0.00
74 TMP Hexachlorobutadiene	100.000	102.239	-2.2	100	0.00
75 TMP Naphthalene	100.000	105.976	-6.0	100	0.00
76 TMP 1,2,3-Trichlorobenzene	100.000	103.818	-3.8	100	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110816.D
 Acq On : 8 Nov 2022 3:19 pm
 Operator : LM
 Sample : 100 ppb 8260 ICAL 67-1775
 Misc : soil/water
 ALS Vial : 14 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:45 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I Fluorobenzene	1.000	1.000	0.0	100	0.00
2 TMP Ethanol	0.000	0.000#	0.0	100	0.00
3 S Dibromofluoromethane	0.275	0.274	0.4	100	0.00
4 TMP Dichlorodifluoromethane	0.410	0.430	-4.9	100	0.00
5 TMP Chloromethane	0.380	0.380	0.0	100	0.00
6 TMP Vinyl chloride	0.360	0.380	-5.6	100	0.00
7 TMP Bromomethane	0.168	0.161	4.2	100	0.00
8 TMP Chloroethane	0.189	0.179	5.3	100	0.00
9 TMP Trichlorofluoromethane	0.562	0.583	-3.7	100	0.00
10 TMP 2-Propanol	0.000	0.000	0.0	0#	0.00
11 TMP Acetone	0.037	0.032	13.5	100	0.00
12 TMP 1,1-Dichloroethene	0.333	0.318	4.5	100	0.00
13 TMP Hexane	0.348	0.335	3.7	100	0.00
14 TMP Methylene chloride	0.369	0.324	12.2	100	0.00
15 TMP t-Butyl alcohol (TBA)	0.051	0.052	-2.0	100	0.00
16 TMP Methyl t-butyl ether (MTBE)	0.971	0.980	-0.9	100	0.00
17 TMP trans-1,2-Dichloroethene	0.353	0.343	2.8	100	0.00
18 TMP Diisopropyl ether (DIPE)	0.889	0.885	0.4	100	0.00
19 TMP 1,1-Dichloroethane	0.536	0.530	1.1	100	0.00
20 TMP Ethyl t-butyl ether (ETBE)	0.425	0.432	-1.6	100	0.00
21 TMP 2,2-Dichloropropane	0.352	0.319	9.4	100	0.00
22 TMP cis-1,2-Dichloroethene	0.382	0.369	3.4	100	0.00
23 TMP Chloroform	0.583	0.583	0.0	100	0.00
24 TMP 2-Butanone (MEK)	0.186	0.177	4.8	100	0.00
25 TMP t-Amyl methyl ether (TAME)	0.964	0.977	-1.3	100	0.00
26 TMP 1,2-Dichloroethane (EDC)	0.438	0.438	0.0	100	0.00
27 TMP 1,1,1-Trichloroethane	0.532	0.532	0.0	100	0.00
28 TMP 1,1-Dichloropropene	0.448	0.448	0.0	100	0.00
29 TMP Carbon tetrachloride	0.479	0.495	-3.3	100	0.00
30 S 1,2-Dichloroethane-d4	0.063	0.063	0.0	100	0.00
31 TMP Benzene	1.286	1.289	-0.2	100	0.00
32 TMP Trichloroethene	0.373	0.358	4.0	100	0.00
33 TMP 1,2-Dichloropropane	0.284	0.294	-3.5	100	0.00
34 TMP Bromodichloromethane	0.432	0.447	-3.5	100	0.00
35 S Toluene-d8	1.002	1.008	-0.6	100	0.00
36 TMP Dibromomethane	0.216	0.220	-1.9	100	0.00
37 TMP 4-Methyl-2-pentanone	0.077	0.081	-5.2	100	0.00
38 TMP cis-1,3-Dichloropropene	0.504	0.522	-3.6	100	0.00
39 I Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40 TMP Toluene	0.968	0.966	0.2	100	0.00
41 TMP trans-1,3-Dichloropropene	0.553	0.570	-3.1	100	0.00
42 TMP 1,1,2-Trichloroethane	0.293	0.293	0.0	100	0.00
43 TMP 2-Hexanone	0.320	0.323	-0.9	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110816.D
 Acq On : 8 Nov 2022 3:19 pm
 Operator : LM
 Sample : 100 ppb 8260 ICAL 67-1775
 Misc : soil/water
 ALS Vial : 14 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:45 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.560	0.577	-3.0	100	0.00
45 TMP Tetrachloroethene	0.431	0.433	-0.5	100	0.00
46 TMP Dibromochloromethane	0.429	0.470	-9.6	100	0.00
47 TMP 1,2-Dibromoethane (EOB)	0.398	0.404	-1.5	100	0.00
48 TMP Chlorobenzene	1.148	1.139	0.8	100	0.00
49 TMP Ethylbenzene	1.845	1.814	1.7	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.426	0.432	-1.4	100	0.00
51 TMP m,p-Xylene	0.746	0.748	-0.3	100	0.00
52 TMP o-Xylene	0.741	0.721	2.7	100	0.00
53 TMP Styrene	1.258	1.276	-1.4	100	0.00
54 TMP Isopropylbenzene	1.878	1.843	1.9	100	0.00
55 TMP Bromoform	0.362	0.406	-12.2	100	0.00
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	0.701	0.694	1.0	100	0.00
58 TMP n-Propylbenzene	3.165	3.137	0.9	100	0.00
59 TMP Bromobenzene	0.916	0.920	-0.4	100	0.00
60 TMP 1,3,5-Trimethylbenzene	2.336	2.388	-2.2	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.806	0.831	-3.1	100	0.00
62 TMP 1,2,3-Trichloropropane	0.610	0.611	-0.2	100	0.00
63 TMP 2-Chlorotoluene	1.890	1.883	0.4	100	0.00
64 TMP 4-Chlorotoluene	2.253	2.292	-1.7	100	0.00
65 TMP tert-Butylbenzene	2.062	2.076	-0.7	100	0.00
66 TMP 1,2,4-Trimethylbenzene	2.433	2.437	-0.2	100	0.00
67 TMP sec-Butylbenzene	2.769	2.797	-1.0	100	0.00
68 TMP p-Isopropyltoluene	2.526	2.558	-1.3	100	0.00
69 TMP 1,3-Dichlorobenzene	1.624	1.629	-0.3	100	0.00
70 TMP 1,4-Dichlorobenzene	1.675	1.666	0.5	100	0.00
71 TMP 1,2-Dichlorobenzene	1.595	1.615	-1.3	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	0.167	0.181	-8.4	100	0.00
73 TMP 1,2,4-Trichlorobenzene	1.200	1.236	-3.0	100	0.00
74 TMP Hexachlorobutadiene	0.463	0.473	-2.2	100	0.00
75 TMP Naphthalene	2.957	3.133	-6.0	100	0.00
76 TMP 1,2,3-Trichlorobenzene	1.136	1.179	-3.8	100	0.00

(#) = Out of Range

SPCC's out = 1 CCC's out = 0

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110816.D
 Acq On : 8 Nov 2022 3:19 pm
 Operator : LM
 Sample : 100 ppb 8260 ICAL 67-177S
 Misc : soil/water
 ALS Vial : 14 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:45 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	4.78	96	90209	10.000	ppb	0.00
39) Chlorobenzene-d5	7.43	117	77727	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.65	152	50521	10.000	ppb	# 0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.21	113	24754	9.982	ppb	0.00
Spiked Amount	10.000	Range	0 - 1000	Recovery	=	99.80%
30) 1,2-Dichloroethane-d4	4.49	102	5659	9.880	ppb	0.00
Spiked Amount	10.000	Range	90 - 109	Recovery	=	98.80%
35) Toluene-d8	6.14	98	90899	10.059	ppb	0.00
Spiked Amount	10.000	Range	89 - 112	Recovery	=	100.60%
57) 4-Bromofluorobenzene	8.54	95	35078	9.901	ppb	0.00
Spiked Amount	10.000	Range	84 - 115	Recovery	=	99.00%
Target Compounds						
						Qvalue
2) Ethanol	1.07	45	3477	No Calib		
4) Dichlorodifluoromethane	1.18	85	388073	105.023	ppb	94
5) Chloromethane	1.32	50	342904	100.091	ppb	98
6) Vinyl chloride	1.40	62	343106	105.570	ppb	99
7) Bromomethane	1.63	94	145665	96.389	ppb	96
8) Chloroethane	1.70	64	161462	94.730	ppb	97
9) Trichlorofluoromethane	1.89	101	526041m	103.817	ppb	
10) 2-Propanol	2.99	45	43581	No Calib		
11) Acetone	2.39	58	143031	434.249	ppb	99
12) 1,1-Dichloroethene	2.32	96	286455	95.252	ppb	# 81
13) Hexane	3.21	57	301980	96.057	ppb	95
14) Methylene chloride	2.74	84	292512	101.987	ppb	86
15) t-Butyl alcohol (TBA)	2.87	59	232366	502.749	ppb	88
16) Methyl t-butyl ether (...)	2.99	73	884496	100.931	ppb	97
17) trans-1,2-Dichloroethene	2.97	96	309333	97.177	ppb	86
18) Diisopropyl ether (DIPE)	3.40	45	798020	99.558	ppb	94
19) 1,1-Dichloroethane	3.32	63	478445	98.993	ppb	98
20) Ethyl t-butyl ether (E...)	3.70	87	389953	101.717	ppb	85
21) 2,2-Dichloropropane	3.81	77	287714	98.803	ppb	97
22) cis-1,2-Dichloroethene	3.81	96	333322	96.730	ppb	# 81
23) Chloroform	4.08	83	525861	100.511	ppb	99
24) 2-Butanone (MEK)	3.83	43	797553	475.073	ppb	95
25) t-Amyl methyl ether (T...)	4.65	73	881321	101.386	ppb	99
26) 1,2-Dichloroethane (EDC)	4.56	62	395528	100.066	ppb	95
27) 1,1,1-Trichloroethane	4.23	97	480273	100.003	ppb	94
28) 1,1-Dichloropropene	4.37	75	404433	100.046	ppb	91
29) Carbon tetrachloride	4.37	117	446189	103.206	ppb	93
31) Benzene	4.54	78	1162480	100.236	ppb	95
32) Trichloroethene	5.09	95	322900	95.995	ppb	79
33) 1,2-Dichloropropane	5.28	63	265341	103.419	ppb	96
34) Bromodichloromethane	5.51	83	403512	103.621	ppb	97
36) Dibromomethane	5.37	93	198910	102.211	ppb	84

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110816.D
 Acq On : 8 Nov 2022 3:19 pm
 Operator : LM
 Sample : 100 ppb 8260 ICAL 67-177S
 Misc : soil/water
 ALS Vial : 14 Sample Multiplier: 1
 InstName : GCMS4

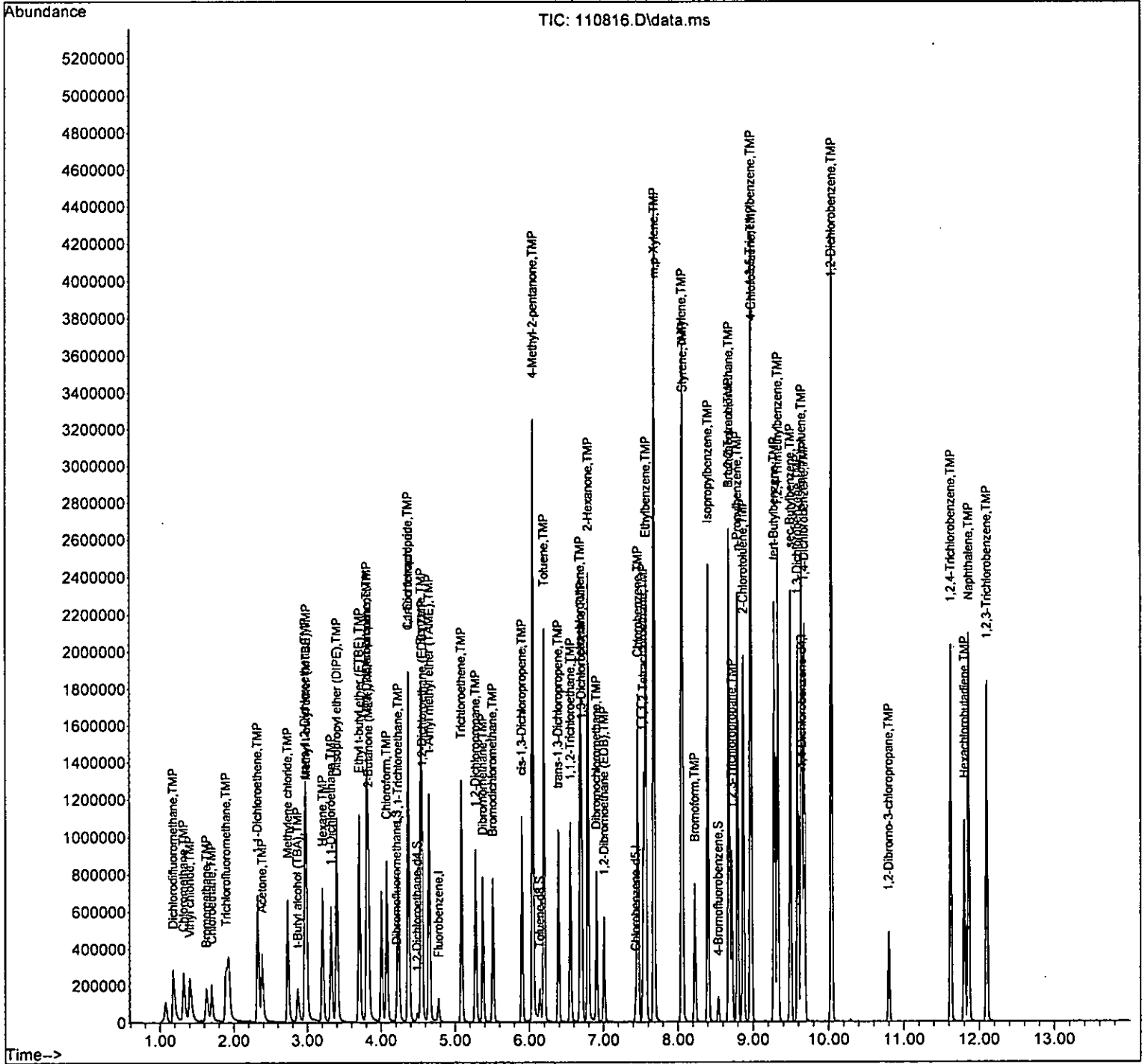
Quant Time: Nov 08 16:47:45 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	6.05	85	365575	527.038	ppb	# 77
38) cis-1,3-Dichloropropene	5.90	75	470466	103.435	ppb	94
40) Toluene	6.20	92	750706	99.805	ppb	99
41) trans-1,3-Dichloropropene	6.39	75	442865	103.055	ppb	95
42) 1,1,2-Trichloroethane	6.56	83	227763	99.980	ppb	88
43) 2-Hexanone	6.79	43	1253821	503.420	ppb	95
44) 1,3-Dichloropropane	6.70	76	448818	103.075	ppb	99
45) Tetrachloroethene	6.69	164	336789	100.570	ppb	98
46) Dibromochloromethane	6.91	129	365527	102.353	ppb	99
47) 1,2-Dibromoethane (EDB)	7.01	107	313938	101.431	ppb	98
48) Chlorobenzene	7.47	112	885680	99.251	ppb	88
49) Ethylbenzene	7.57	91	1410043	98.315	ppb	93
50) 1,1,1,2-Tetrachloroethane	7.54	131	336104	101.613	ppb	96
51) m,p-Xylene	7.68	106	1162563	200.512	ppb	89
52) o-Xylene	8.05	106	560722	97.329	ppb	90
53) Styrene	8.06	104	992092	101.462	ppb	87
54) Isopropylbenzene	8.40	105	1432180	98.113	ppb	95
55) Bromoform	8.22	173	315757	103.290	ppb	98
58) n-Propylbenzene	8.79	91	1585005	99.118	ppb	94
59) Bromobenzene	8.68	156	464555	100.404	ppb	# 85
60) 1,3,5-Trimethylbenzene	8.97	105	1206215	102.196	ppb	89
61) 1,1,2,2-Tetrachloroethane	8.68	83	419631	103.042	ppb	97
62) 1,2,3-Trichloropropane	8.72	75	308533	100.038	ppb	100
63) 2-Chlorotoluene	8.87	91	951436	99.668	ppb	87
64) 4-Chlorotoluene	8.98	91	1158101	101.737	ppb	84
65) tert-Butylbenzene	9.28	119	1048786	100.657	ppb	86
66) 1,2,4-Trimethylbenzene	9.33	105	1231028	100.150	ppb	92
67) sec-Butylbenzene	9.49	105	1413201	101.025	ppb	93
68) p-Isopropyltoluene	9.64	119	1292181	101.272	ppb	91
69) 1,3-Dichlorobenzene	9.59	146	822900	100.290	ppb	96
70) 1,4-Dichlorobenzene	9.68	146	841681	99.443	ppb	94
71) 1,2-Dichlorobenzene	10.04	146	815960	101.263	ppb	94
72) 1,2-Dibromo-3-chloropr...	10.80	75	91462	108.328	ppb	# 64
73) 1,2,4-Trichlorobenzene	11.62	180	624412	102.969	ppb	98
74) Hexachlorobutadiene	11.81	225	238986	102.239	ppb	98
75) Naphthalene	11.86	128	1583066	105.976	ppb	99
76) 1,2,3-Trichlorobenzene	12.10	180	595837	103.818	ppb	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110816.D
 Acq On : 8 Nov 2022 3:19 pm
 Operator : LM
 Sample : 100 ppb 8260 ICAL 67-177S
 Misc : soil/water
 ALS Vial : 14 Sample Multiplier: 1
 InstName : GCMS4

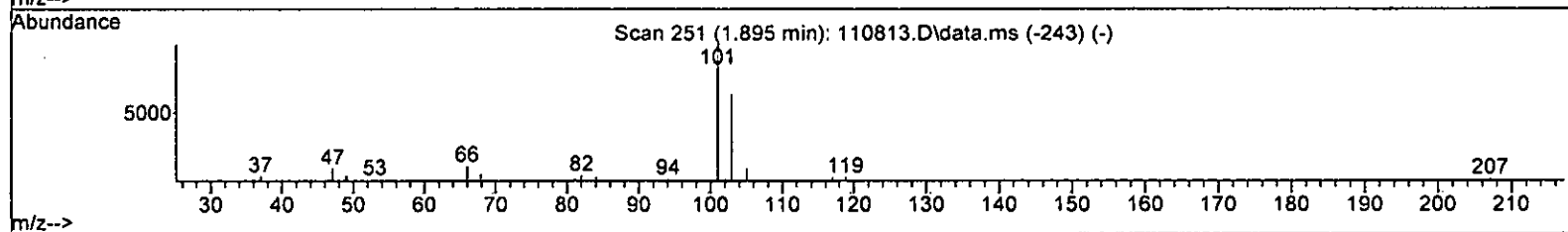
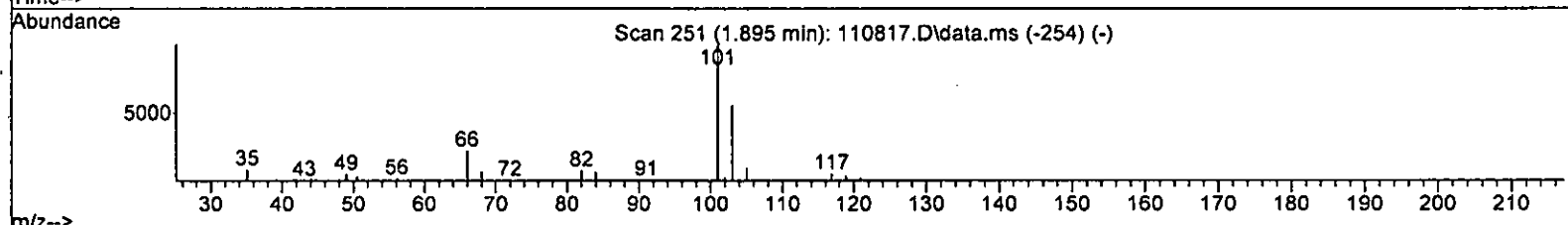
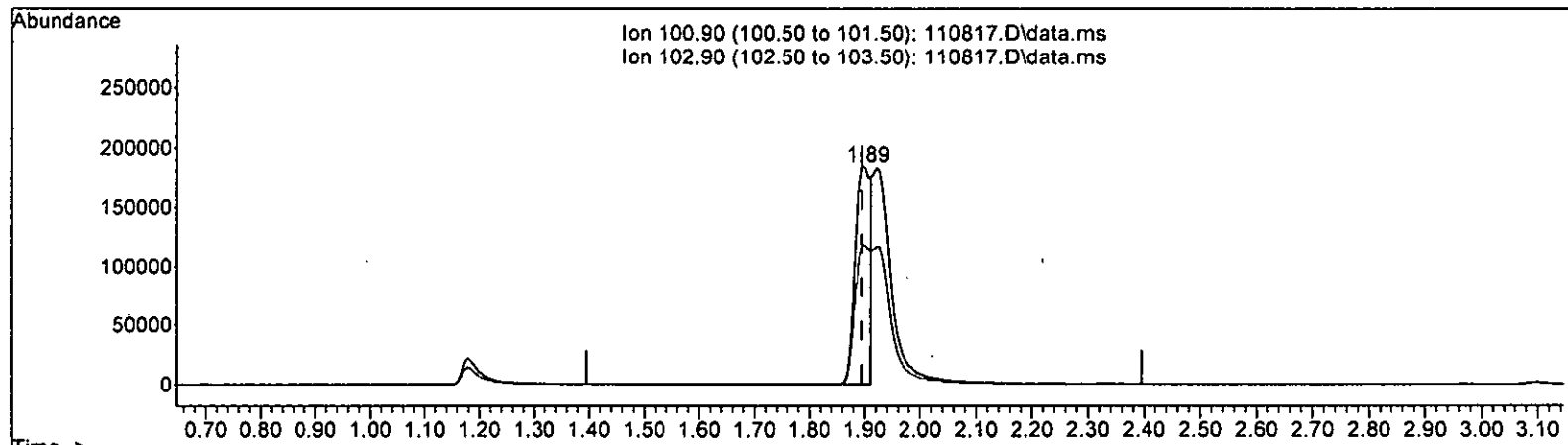
Quant Time: Nov 08 16:47:45 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110817.D
 Acq On : 8 Nov 2022 3:43 pm
 Operator : LM
 Sample : 150 ppb 8260 ICAL 67-177T
 Misc : soil/water
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:47 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



TIC: 110817.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.895min (-0.000) 70.941 ppb

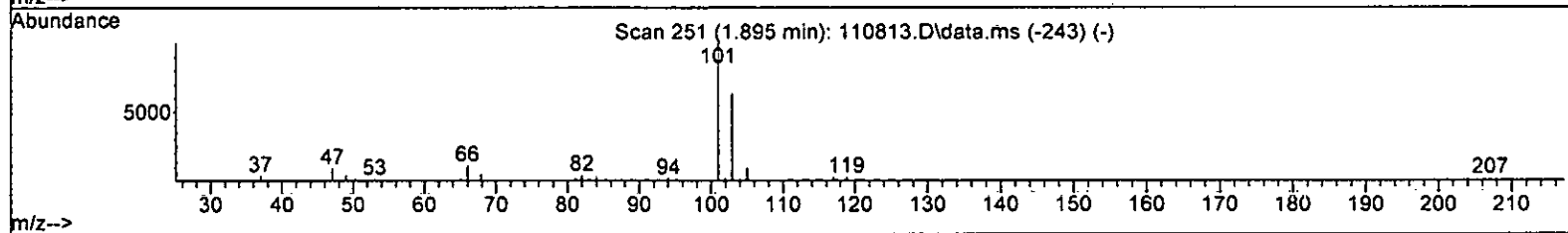
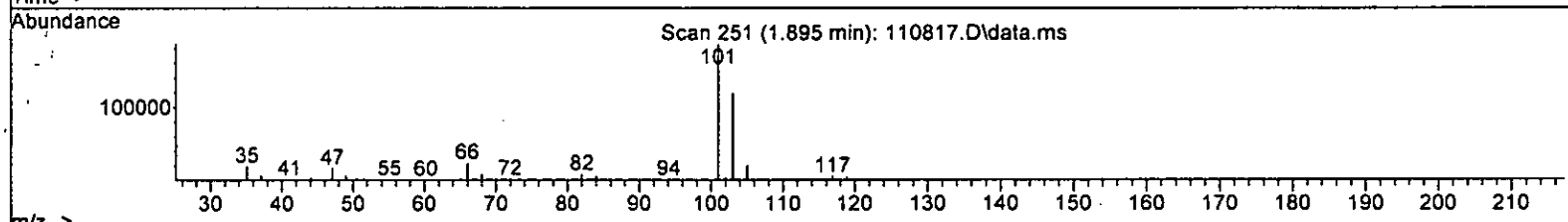
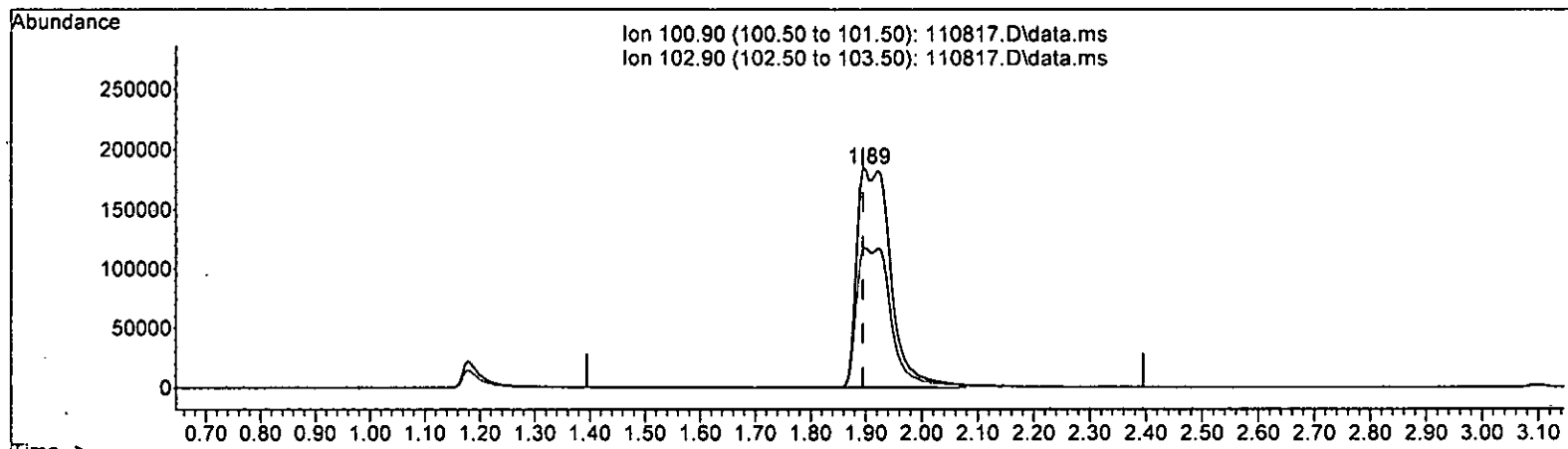
response 347724

Ion	Exp%	Act%
100.90	100.00	100.00
102.90	61.00	64.13
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110817.D
 Acq On : 8 Nov 2022 3:43 pm
 Operator : LM
 Sample : 150 ppb 8260 ICAL 67-177T
 Misc : soil/water
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:47 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



TIC: 110817.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.895min (-0.000) 157.171 ppb m

response 770394

Ion	Exp%	Act%
100.90	100.00	100.00
102.90	61.00	64.13
0.00	0.00	0.00
0.00	0.00	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110817.D
 Acq On : 8 Nov 2022 3:43 pm
 Operator : LM
 Sample : 150 ppb 8260 ICAL 67-177T
 Misc : soil/water
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:47 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2 TMP	Ethanol	-1.000	0.000	0.0	100	0.01
3 S	Dibromofluoromethane	10.000	10.127	-1.3	100	0.00
4 TMP	Dichlorodifluoromethane	150.000	160.779	-7.2	100	0.00
5 TMP	Chloromethane	150.000	148.531	1.0	100	0.00
6 TMP	Vinyl chloride	150.000	159.278	-6.2	100	0.00
7 TMP	Bromomethane	-1.000	222.203	0.0	0	0.00
8 TMP	Chloroethane	150.000	157.706	-5.1	100	0.00
9 TMP	Trichlorofluoromethane	150.000	157.171	-4.8	100	0.00
10 TMP	2-Propanol	-1.000	0.000	0.0	0	0.00
11 TMP	Acetone	750.000	803.076	-7.1	100	0.00
12 TMP	1,1-Dichloroethene	150.000	142.474	5.0	100	0.00
13 TMP	Hexane	150.000	141.811	5.5	100	0.00
14 TMP	Methylene chloride	150.000	152.590	-1.7	100	0.00
15 TMP	t-Butyl alcohol (TBA)	750.000	733.923	2.1	100	0.00
16 TMP	Methyl t-butyl ether (MTBE)	150.000	153.425	-2.3	100	0.00
17 TMP	trans-1,2-Dichloroethene	150.000	145.930	2.7	100	0.00
18 TMP	Diisopropyl ether (DIPE)	150.000	150.383	-0.3	100	0.00
19 TMP	1,1-Dichloroethane	150.000	148.989	0.7	100	0.00
20 TMP	Ethyl t-butyl ether (ETBE)	150.000	150.798	-0.5	100	0.00
21 TMP	2,2-Dichloropropane	150.000	147.839	1.4	100	0.00
22 TMP	cis-1,2-Dichloroethene	150.000	146.157	2.6	100	0.00
23 TMP	Chloroform	150.000	150.273	-0.2	100	0.00
24 TMP	2-Butanone (MEK)	750.000	831.242	-10.8	100	0.00
25 TMP	t-Amyl methyl ether (TAME)	150.000	150.248	-0.2	100	0.00
26 TMP	1,2-Dichloroethane (EDC)	150.000	147.961	1.4	100	0.00
27 TMP	1,1,1-Trichloroethane	150.000	149.626	0.2	100	0.00
28 TMP	1,1-Dichloropropane	150.000	149.577	0.3	100	0.00
29 TMP	Carbon tetrachloride	150.000	154.332	-2.9	100	0.00
30 S	1,2-Dichloroethane-d4	10.000	9.950	0.5	100	0.00
31 TMP	Benzene	150.000	149.122	0.6	100	0.00
32 TMP	Trichloroethene	150.000	157.173	-4.8	100	0.00
33 TMP	1,2-Dichloropropane	150.000	153.516	-2.3	100	0.00
34 TMP	Bromodichloromethane	150.000	155.296	-3.5	100	0.00
35 S	Toluene-d8	10.000	10.148	-1.5	100	0.00
36 TMP	Dibromomethane	150.000	151.439	-1.0	100	0.00
37 TMP	4-Methyl-2-pentanone	750.000	769.200	-2.6	100	0.00
38 TMP	cis-1,3-Dichloropropene	150.000	154.670	-3.1	100	0.00
39 I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40 TMP	Toluene	150.000	150.461	-0.3	100	0.00
41 TMP	trans-1,3-Dichloropropene	150.000	152.634	-1.8	100	0.00
42 TMP	1,1,2-Trichloroethane	150.000	147.481	1.7	100	0.00
43 TMP	2-Hexanone	750.000	741.346	1.2	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110817.D
 Acq On : 8 Nov 2022 3:43 pm
 Operator : LM
 Sample : 150 ppb 8260 ICAL 67-177T
 Misc : soil/water
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:47 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	150.000	151.813	-1.2	100	0.00
45 TMP Tetrachloroethene	150.000	150.063	-0.0	100	0.00
46 TMP Dibromochloromethane	150.000	149.415	0.4	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	150.000	150.342	-0.2	100	0.00
48 TMP Chlorobenzene	150.000	148.630	0.9	100	0.00
49 TMP Ethylbenzene	150.000	147.471	1.7	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	150.000	153.290	-2.2	100	0.00
51 TMP m,p-Xylene	300.000	301.563	-0.5	100	0.00
52 TMP o-Xylene	150.000	148.379	1.1	100	0.00
53 TMP Styrene	150.000	153.291	-2.2	100	0.00
54 TMP Isopropylbenzene	150.000	149.367	0.4	100	0.00
55 TMP Bromoform	150.000	149.635	0.2	100	0.00
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	10.000	9.965	0.4	100	0.00
58 TMP n-Propylbenzene	150.000	144.973	3.4	100	0.00
59 TMP Bromobenzene	150.000	145.203	3.2	100	0.00
60 TMP 1,3,5-Trimethylbenzene	150.000	151.604	-1.1	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	150.000	132.623	11.6	100	0.00
62 TMP 1,2,3-Trichloropropane	150.000	142.849	4.8	100	0.00
63 TMP 2-Chlorotoluene	150.000	146.287	2.5	100	0.00
64 TMP 4-Chlorotoluene	150.000	149.830	0.1	100	0.00
65 TMP tert-Butylbenzene	150.000	147.958	1.4	100	0.00
66 TMP 1,2,4-Trimethylbenzene	150.000	148.311	1.1	100	0.00
67 TMP sec-Butylbenzene	150.000	148.170	1.2	100	0.00
68 TMP p-Isopropyltoluene	150.000	148.719	0.9	100	0.00
69 TMP 1,3-Dichlorobenzene	150.000	147.521	1.7	100	0.00
70 TMP 1,4-Dichlorobenzene	150.000	148.091	1.3	100	0.00
71 TMP 1,2-Dichlorobenzene	150.000	149.796	0.1	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	150.000	156.965	-4.6	100	0.00
73 TMP 1,2,4-Trichlorobenzene	150.000	140.944	6.0	100	0.00
74 TMP Hexachlorobutadiene	150.000	135.805	9.5	100	0.00
75 TMP Naphthalene	150.000	147.126	1.9	100	0.00
76 TMP 1,2,3-Trichlorobenzene	150.000	139.550	7.0	100	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110817.D
 Acq On : 8 Nov 2022 3:43 pm
 Operator : LM
 Sample : 150 ppb 8260 ICAL 67-177T
 Misc : soil/water
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:47 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2 TMP	Ethanol	0.000	0.000#	0.0	100	0.01
3 S	Dibromofluoromethane	0.275	0.278	-1.1	100	0.00
4 TMP	Dichlorodifluoromethane	0.410	0.439	-7.1	100	0.00
5 TMP	Chloromethane	0.380	0.376	1.1	100	0.00
6 TMP	Vinyl chloride	0.360	0.383	-6.4	100	0.00
7 TMP	Bromomethane	0.168	0.000#	100.0#	0#	0.00
8 TMP	Chloroethane	0.189	0.199	-5.3	100	0.00
9 TMP	Trichlorofluoromethane	0.562	0.589	-4.8	100	0.00
10 TMP	2-Propanol	0.000	0.000	0.0	0#	0.00
11 TMP	Acetone	0.037	0.052	-40.5#	100	0.00
12 TMP	1,1-Dichloroethene	0.333	0.317	4.8	100	0.00
13 TMP	Hexane	0.348	0.329	5.5	100	0.00
14 TMP	Methylene chloride	0.369	0.322	12.7	100	0.00
15 TMP	t-Butyl alcohol (TBA)	0.051	0.050	2.0	100	0.00
16 TMP	Methyl t-butyl ether (MTBE)	0.971	0.994	-2.4	100	0.00
17 TMP	trans-1,2-Dichloroethene	0.353	0.343	2.8	100	0.00
18 TMP	Diisopropyl ether (DIPE)	0.889	0.891	-0.2	100	0.00
19 TMP	1,1-Dichloroethane	0.536	0.532	0.7	100	0.00
20 TMP	Ethyl t-butyl ether (ETBE)	0.425	0.427	-0.5	100	0.00
21 TMP	2,2-Dichloropropane	0.352	0.308	12.5	100	0.00
22 TMP	cis-1,2-Dichloroethene	0.382	0.372	2.6	100	0.00
23 TMP	Chloroform	0.583	0.581	0.3	100	0.00
24 TMP	2-Butanone (MEK)	0.186	0.206	-10.8	100	0.00
25 TMP	t-Amyl methyl ether (TAME)	0.964	0.965	-0.1	100	0.00
26 TMP	1,2-Dichloroethane (EDC)	0.438	0.432	1.4	100	0.00
27 TMP	1,1,1-Trichloroethane	0.532	0.531	0.2	100	0.00
28 TMP	1,1-Dichloropropene	0.448	0.447	0.2	100	0.00
29 TMP	Carbon tetrachloride	0.479	0.493	-2.9	100	0.00
30 S	1,2-Dichloroethane-d4	0.063	0.063	0.0	100	0.00
31 TMP	Benzene	1.286	1.278	0.6	100	0.00
32 TMP	Trichloroethene	0.373	0.391	-4.8	100	0.00
33 TMP	1,2-Dichloropropane	0.284	0.291	-2.5	100	0.00
34 TMP	Bromodichloromethane	0.432	0.447	-3.5	100	0.00
35 S	Toluene-d8	1.002	1.017	-1.5	100	0.00
36 TMP	Dibromomethane	0.216	0.218	-0.9	100	0.00
37 TMP	4-Methyl-2-pentanone	0.077	0.079	-2.6	100	0.00
38 TMP	cis-1,3-Dichloropropene	0.504	0.520	-3.2	100	0.00
39 I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40 TMP	Toluene	0.968	0.971	-0.3	100	0.00
41 TMP	trans-1,3-Dichloropropene	0.553	0.563	-1.8	100	0.00
42 TMP	1,1,2-Trichloroethane	0.293	0.288	1.7	100	0.00
43 TMP	2-Hexanone	0.320	0.317	0.9	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110817.D
 Acq On : 8 Nov 2022 3:43 pm
 Operator : LM
 Sample : 150 ppb 8260 ICAL 67-177T
 Misc : soil/water
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:47 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.560	0.567	-1.2	100	0.00
45 TMP Tetrachloroethene	0.431	0.431	0.0	100	0.00
46 TMP Dibromochloromethane	0.429	0.476	-11.0	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	0.398	0.399	-0.3	100	0.00
48 TMP Chlorobenzene	1.148	1.138	0.9	100	0.00
49 TMP Ethylbenzene	1.845	1.814	1.7	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.426	0.435	-2.1	100	0.00
51 TMP m,p-Xylene	0.746	0.750	-0.5	100	0.00
52 TMP o-Xylene	0.741	0.733	1.1	100	0.00
53 TMP Styrene	1.258	1.286	-2.2	100	0.00
54 TMP Isopropylbenzene	1.878	1.870	0.4	100	0.00
55 TMP Bromoform	0.362	0.418	-15.5	100	0.00
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	0.701	0.699	0.3	100	0.00
58 TMP n-Propylbenzene	3.165	3.059	3.3	100	0.00
59 TMP Bromobenzene	0.916	0.887	3.2	100	0.00
60 TMP 1,3,5-Trimethylbenzene	2.336	2.361	-1.1	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.806	0.713	11.5	100	0.00
62 TMP 1,2,3-Trichloropropane	0.610	0.581	4.8	100	0.00
63 TMP 2-Chlorotoluene	1.890	1.843	2.5	100	0.00
64 TMP 4-Chlorotoluene	2.253	2.251	0.1	100	0.00
65 TMP tert-Butylbenzene	2.062	2.034	1.4	100	0.00
66 TMP 1,2,4-Trimethylbenzene	2.433	2.406	1.1	100	0.00
67 TMP sec-Butylbenzene	2.769	2.735	1.2	100	0.00
68 TMP p-Isopropyltoluene	2.526	2.504	0.9	100	0.00
69 TMP 1,3-Dichlorobenzene	1.624	1.597	1.7	100	0.00
70 TMP 1,4-Dichlorobenzene	1.675	1.654	1.3	100	0.00
71 TMP 1,2-Dichlorobenzene	1.595	1.593	0.1	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	0.167	0.175	-4.8	100	0.00
73 TMP 1,2,4-Trichlorobenzene	1.200	1.128	6.0	100	0.00
74 TMP Hexachlorobutadiene	0.463	0.419	9.5	100	0.00
75 TMP Naphthalene	2.957	2.900	1.9	100	0.00
76 TMP 1,2,3-Trichlorobenzene	1.136	1.057	7.0	100	0.00

(#) = Out of Range

SPCC's out = 2 CCC's out = 0

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110817.D
 Acq On : 8 Nov 2022 3:43 pm
 Operator : LM
 Sample : 150 ppb 8260 ICAL 67-177T
 Misc : soil/water
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:47 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	4.78	96	87265	10.000	ppb	0.00	
39) Chlorobenzene-d5	7.43	117	74546	10.000	ppb	0.00	
56) 1,4-Dichlorobenzene-d4	9.66	152	50457	10.000	ppb	# 0.00	
System Monitoring Compounds							
3) Dibromofluoromethane	4.21	113	24293	10.127	ppb	0.00	
Spiked Amount	10.000	Range	0 - 1000	Recovery	=	101.30%	
30) 1,2-Dichloroethane-d4	4.49	102	5513	9.950	ppb	0.00	
Spiked Amount	10.000	Range	90 - 109	Recovery	=	99.50%	
35) Toluene-d8	6.14	98	88713	10.148	ppb	0.00	
Spiked Amount	10.000	Range	89 - 112	Recovery	=	101.50%	
57) 4-Bromofluorobenzene	8.54	95	35262	9.965	ppb	0.00	
Spiked Amount	10.000	Range	84 - 115	Recovery	=	99.70%	
Target Compounds							
2) Ethanol	1.08	45	1012	No Calib	#		
4) Dichlorodifluoromethane	1.18	85	574708	160.779	ppb	94	
5) Chloromethane	1.32	50	492248	148.531	ppb	99	
6) Vinyl chloride	1.40	62	500765	159.278	ppb	100	
7) Bromomethane	1.63	94	324838	222.203	ppb	93	
8) Chloroethane	1.70	64	260028	157.706	ppb	97	
9) Trichlorofluoromethane	1.89	101	770394m	157.171	ppb		
10) 2-Propanol	2.98	45	62342	No Calib			
11) Acetone	2.39	58	341517	803.076	ppb	95	
12) 1,1-Dichloroethene	2.33	96	414485	142.474	ppb	# 78	
13) Hexane	3.21	57	431268	141.811	ppb	95	
14) Methylene chloride	2.74	84	421186	152.590	ppb	86	
15) t-Butyl alcohol (TBA)	2.87	59	328142	733.923	ppb	90	
16) Methyl t-butyl ether (...)	2.98	73	1300634	153.425	ppb	96	
17) trans-1,2-Dichloroethene	2.97	96	449363	145.930	ppb	# 82	
18) Diisopropyl ether (DIPE)	3.40	45	1166073	150.383	ppb	93	
19) 1,1-Dichloroethane	3.32	63	696583	148.989	ppb	98	
20) Ethyl t-butyl ether (E...)	3.70	87	559249	150.798	ppb	84	
21) 2,2-Dichloropropane	3.81	77	403341	147.839	ppb	97	
22) cis-1,2-Dichloroethene	3.81	96	487204	146.157	ppb	# 82	
23) Chloroform	4.08	83	760523	150.273	ppb	99	
24) 2-Butanone (MEK)	3.83	43	1349946	831.242	ppb	95	
25) t-Amyl methyl ether (T...)	4.65	73	1263441	150.248	ppb	99	
26) 1,2-Dichloroethane (EDC)	4.56	62	565757	147.961	ppb	95	
27) 1,1,1-Trichloroethane	4.23	97	695143	149.626	ppb	94	
28) 1,1-Dichloropropene	4.37	75	584925	149.577	ppb	92	
29) Carbon tetrachloride	4.37	117	645448	154.332	ppb	92	
31) Benzene	4.54	78	1672993	149.122	ppb	94	
32) Trichloroethene	5.09	95	511431	157.173	ppb	# 76	
33) 1,2-Dichloropropane	5.28	63	381020	153.516	ppb	96	
34) Bromodichloromethane	5.51	83	585005	155.296	ppb	96	
36) Dibromomethane	5.37	93	285094	151.439	ppb	84	

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110817.D
 Acq On : 8 Nov 2022 3:43 pm
 Operator : LM
 Sample : 150 ppb 8260 ICAL 67-177T
 Misc : soil/water
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS4

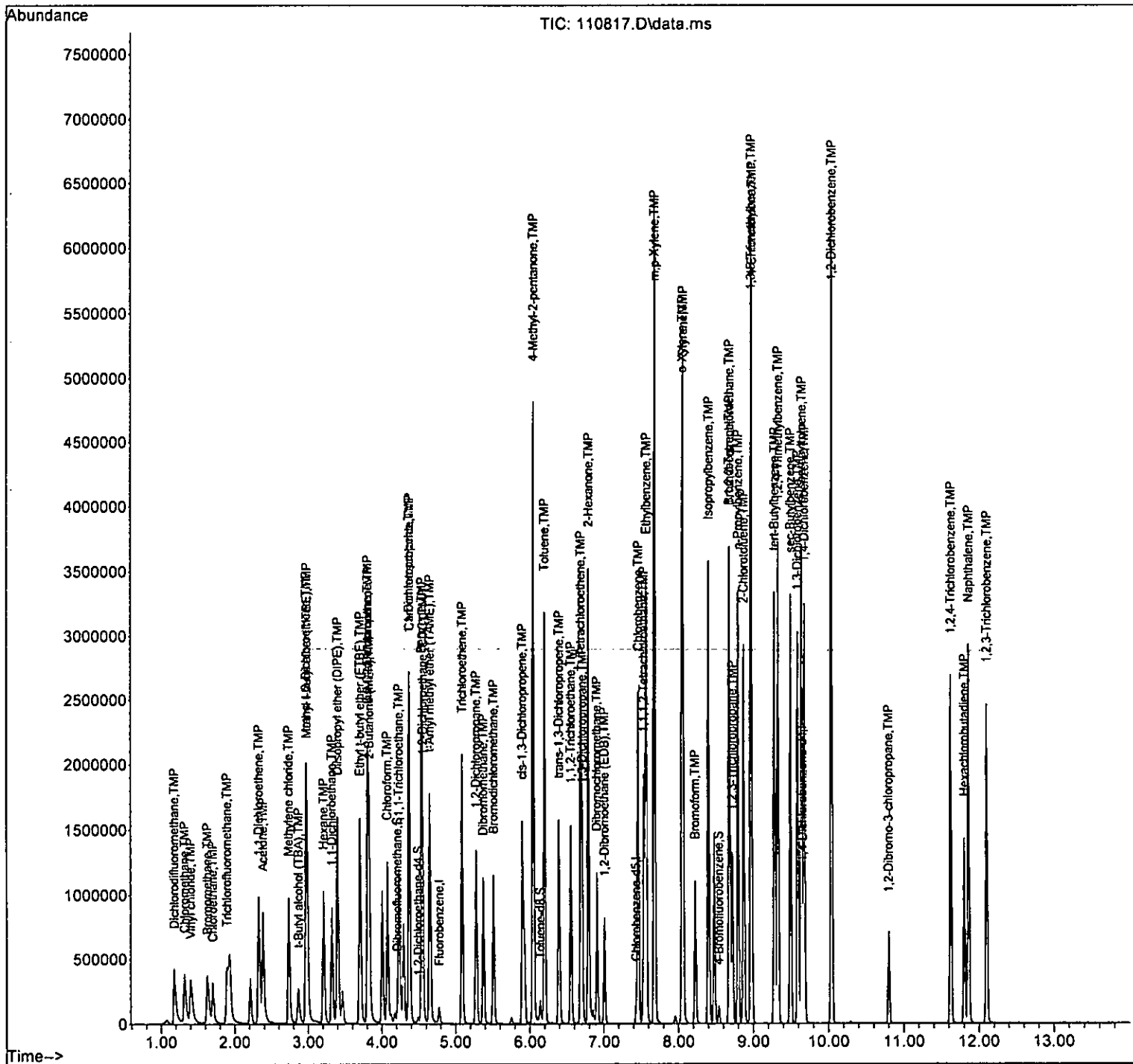
Quant Time: Nov 08 16:47:47 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	6.05	85	516136	769.200	ppb	# 77
38) cis-1,3-Dichloropropene	5.90	75	680547	154.670	ppb	94
40) Toluene	6.20	92	1085409	150.461	ppb	98
41) trans-1,3-Dichloropropene	6.39	75	629083	152.634	ppb	95
42) 1,1,2-Trichloroethane	6.55	83	322225	147.481	ppb	89
43) 2-Hexanone	6.79	43	1770836	741.346	ppb	95
44) 1,3-Dichloropropane	6.71	76	633988	151.813	ppb	99
45) Tetrachloroethene	6.69	164	481966	150.063	ppb	99
46) Dibromochloromethane	6.91	129	532565	149.415	ppb	100
47) 1,2-Dibromoethane (EDB)	7.01	107	446276	150.342	ppb	96
48) Chlorobenzene	7.47	112	1272043	148.630	ppb	88
49) Ethylbenzene	7.57	91	2028479	147.471	ppb	93
50) 1,1,1,2-Tetrachloroethane	7.54	131	486283	153.290	ppb	97
51) m,p-Xylene	7.68	106	1676896	301.563	ppb	90
52) o-Xylene	8.05	106	819845	148.379	ppb	88
53) Styrene	8.06	104	1437539	153.291	ppb	90
54) Isopropylbenzene	8.40	105	2091106	149.367	ppb	94
55) Bromoform	8.22	173	466928	149.635	ppb	98
58) n-Propylbenzene	8.80	91	2315334	144.973	ppb	92
59) Bromobenzene	8.68	156	670981	145.203	ppb	85
60) 1,3,5-Trimethylbenzene	8.97	105	1787109	151.604	ppb	88
61) 1,1,2,2-Tetrachloroethane	8.68	83	539413	132.623	ppb	97
62) 1,2,3-Trichloropropane	8.72	75	440009	142.849	ppb	99
63) 2-Chlorotoluene	8.87	91	1394700	146.287	ppb	89
64) 4-Chlorotoluene	8.98	91	1703393	149.830	ppb	87
65) tert-Butylbenzene	9.28	119	1539673	147.958	ppb	86
66) 1,2,4-Trimethylbenzene	9.33	105	1820708	148.311	ppb	92
67) sec-Butylbenzene	9.49	105	2070080	148.170	ppb	93
68) p-Isopropyltoluene	9.64	119	1895177	148.719	ppb	92
69) 1,3-Dichlorobenzene	9.59	146	1208902	147.521	ppb	96
70) 1,4-Dichlorobenzene	9.68	146	1251852	148.091	ppb	95
71) 1,2-Dichlorobenzene	10.04	146	1205503	149.796	ppb	94
72) 1,2-Dibromo-3-chloropr...	10.80	75	132359	156.965	ppb	# 66
73) 1,2,4-Trichlorobenzene	11.62	180	853611	140.944	ppb	98
74) Hexachlorobutadiene	11.81	225	317045	135.805	ppb	99
75) Naphthalene	11.86	128	2194992	147.126	ppb	99
76) 1,2,3-Trichlorobenzene	12.10	180	799901	139.550	ppb	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110817.D
 Acq On : 8 Nov 2022 3:43 pm
 Operator : LM
 Sample : 150 ppb 8260 ICAL 67-177T
 Misc : soil/water
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:47 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110818.D
 Acq On : 8 Nov 2022 4:07 pm
 Operator : LM
 Sample : 200 ppb 8260 ICAL 67-177U
 Misc : soil/water
 ALS Vial : 16 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:49 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I Fluorobenzene	10.000	10.000	0.0	100	0.00
2 TMP Ethanol	-1.000	0.000	0.0	100	0.00
3 S Dibromofluoromethane	10.000	10.093	-0.9	100	0.00
4 TMP Dichlorodifluoromethane	200.000	217.453	-8.7	100	0.00
5 TMP Chloromethane	200.000	202.726	-1.4	100	0.00
6 TMP Vinyl chloride	200.000	214.441	-7.2	100	0.00
7 TMP Bromomethane	-1.000	196.448	0.0	0	0.00
8 TMP Chloroethane	200.000	194.258	2.9	100	0.00
9 TMP Trichlorofluoromethane	200.000	215.310	-7.7	100	0.02
10 TMP 2-Propanol	-1.000	0.000	0.0	0	0.00
11 TMP Acetone	1000.000	984.873	1.5	100	0.00
12 TMP 1,1-Dichloroethene	200.000	193.732	3.1	100	0.00
13 TMP Hexane	200.000	212.249	-6.1	100	0.00
14 TMP Methylene chloride	200.000	208.160	-4.1	100	0.00
15 TMP t-Butyl alcohol (TBA)	1000.000	997.542	0.2	100	0.00
16 TMP Methyl t-butyl ether (MTBE)	200.000	208.928	-4.5	100	0.00
17 TMP trans-1,2-Dichloroethene	200.000	199.882	0.1	100	0.00
18 TMP Diisopropyl ether (DIPE)	200.000	200.364	-0.2	100	0.00
19 TMP 1,1-Dichloroethane	200.000	202.231	-1.1	100	0.00
20 TMP Ethyl t-butyl ether (ETBE)	200.000	200.482	-0.2	100	0.00
21 TMP 2,2-Dichloropropane	200.000	206.397	-3.2	100	0.00
22 TMP cis-1,2-Dichloroethene	200.000	196.997	1.5	100	0.00
23 TMP Chloroform	200.000	201.234	-0.6	100	0.00
24 TMP 2-Butanone (MEK)	1000.000	1148.351	-14.8	100	0.00
25 TMP t-Amyl methyl ether (TAME)	200.000	204.781	-2.4	100	0.00
26 TMP 1,2-Dichloroethane (EDC)	200.000	200.173	-0.1	100	0.00
27 TMP 1,1,1-Trichloroethane	200.000	200.724	-0.4	100	0.00
28 TMP 1,1-Dichloropropene	200.000	204.390	-2.2	100	0.00
29 TMP Carbon tetrachloride	200.000	210.628	-5.3	100	0.00
30 S 1,2-Dichloroethane-d4	10.000	10.258	-2.6	100	0.00
31 TMP Benzene	200.000	202.231	-1.1	100	0.00
32 TMP Trichloroethene	200.000	217.251	-8.6	100	0.00
33 TMP 1,2-Dichloropropane	200.000	207.720	-3.9	100	0.00
34 TMP Bromodichloromethane	200.000	211.316	-5.7	100	0.00
35 S Toluene-d8	10.000	10.261	-2.6	100	0.00
36 TMP Dibromomethane	200.000	203.691	-1.8	100	0.00
37 TMP 4-Methyl-2-pentanone	1000.000	1052.435	-5.2	100	0.00
38 TMP cis-1,3-Dichloropropene	200.000	208.191	-4.1	100	0.00
39 I Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40 TMP Toluene	200.000	207.013	-3.5	100	0.00
41 TMP trans-1,3-Dichloropropene	200.000	207.365	-3.7	100	0.00
42 TMP 1,1,2-Trichloroethane	200.000	200.690	-0.3	100	0.00
43 TMP 2-Hexanone	1000.000	1005.324	-0.5	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110818.D
 Acq On : 8 Nov 2022 4:07 pm
 Operator : LM
 Sample : 200 ppb 8260 ICAL 67-177U
 Misc : soil/water
 ALS Vial : 16 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:49 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	200.000	204.490	-2.2	100	0.00
45 TMP Tetrachloroethene	200.000	209.724	-4.9	100	0.00
46 TMP Dibromochloromethane	200.000	197.087	1.5	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	200.000	202.415	-1.2	100	0.00
48 TMP Chlorobenzene	200.000	204.009	-2.0	100	0.00
49 TMP Ethylbenzene	200.000	204.372	-2.2	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	200.000	210.932	-5.5	100	0.00
51 TMP m,p-Xylene	400.000	418.652	-4.7	100	0.00
52 TMP o-Xylene	200.000	206.094	-3.0	100	0.00
53 TMP Styrene	200.000	212.285	-6.1	100	0.00
54 TMP Isopropylbenzene	200.000	211.135	-5.6	100	0.00
55 TMP Bromoform	200.000	195.055	2.5	100	0.00
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	10.000	9.524	4.8	100	0.00
58 TMP n-Propylbenzene	200.000	195.029	2.5	100	0.00
59 TMP Bromobenzene	200.000	191.770	4.1	100	0.00
60 TMP 1,3,5-Trimethylbenzene	200.000	205.629	-2.8	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	200.000	170.257	14.9	100	0.00
62 TMP 1,2,3-Trichloropropane	200.000	186.447	6.8	100	0.00
63 TMP 2-Chlorotoluene	200.000	195.437	2.3	100	0.00
64 TMP 4-Chlorotoluene	200.000	200.767	-0.4	100	0.00
65 TMP tert-Butylbenzene	200.000	201.193	-0.6	100	0.00
66 TMP 1,2,4-Trimethylbenzene	200.000	201.840	-0.9	100	0.00
67 TMP sec-Butylbenzene	200.000	205.127	-2.6	100	0.00
68 TMP p-Isopropyltoluene	200.000	208.060	-4.0	100	0.00
69 TMP 1,3-Dichlorobenzene	200.000	200.252	-0.1	100	0.00
70 TMP 1,4-Dichlorobenzene	200.000	200.125	-0.1	100	0.00
71 TMP 1,2-Dichlorobenzene	200.000	202.518	-1.3	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	200.000	211.545	-5.8	100	0.00
73 TMP 1,2,4-Trichlorobenzene	200.000	200.549	-0.3	100	0.00
74 TMP Hexachlorobutadiene	200.000	206.269	-3.1	100	0.00
75 TMP Naphthalene	200.000	205.253	-2.6	100	0.00
76 TMP 1,2,3-Trichlorobenzene	200.000	202.523	-1.3	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110818.D
 Acq On : 8 Nov 2022 4:07 pm
 Operator : LM
 Sample : 200 ppb 8260 ICAL 67-177U
 Misc : soil/water
 ALS Vial : 16 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:49 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I Fluorobenzene	1.000	1.000	0.0	100	0.00
2 TMP Ethanol	0.000	0.000#	0.0	100	0.00
3 S Dibromofluoromethane	0.275	0.277	-0.7	100	0.00
4 TMP Dichlorodifluoromethane	0.410	0.445	-8.5	100	0.00
5 TMP Chloromethane	0.380	0.385	-1.3	100	0.00
6 TMP Vinyl chloride	0.360	0.386	-7.2	100	0.00
7 TMP Bromomethane	0.168	0.000#	100.0#	0#	0.00
8 TMP Chloroethane	0.189	0.184	2.6	100	0.00
9 TMP Trichlorofluoromethane	0.562	0.605	-7.7	100	0.02
10 TMP 2-Propanol	0.000	0.000	0.0	0#	0.00
11 TMP Acetone	0.037	0.054	-45.9#	100	0.00
12 TMP 1,1-Dichloroethene	0.333	0.323	3.0	100	0.00
13 TMP Hexane	0.348	0.370	-6.3	100	0.00
14 TMP Methylene chloride	0.369	0.328	11.1	100	0.00
15 TMP t-Butyl alcohol (TBA)	0.051	0.051	0.0	100	0.00
16 TMP Methyl t-butyl ether (MTBE)	0.971	1.015	-4.5	100	0.00
17 TMP trans-1,2-Dichloroethene	0.353	0.353	0.0	100	0.00
18 TMP Diisopropyl ether (DIPE)	0.889	0.890	-0.1	100	0.00
19 TMP 1,1-Dichloroethane	0.536	0.542	-1.1	100	0.00
20 TMP Ethyl t-butyl ether (ETBE)	0.425	0.426	-0.2	100	0.00
21 TMP 2,2-Dichloropropane	0.352	0.310	11.9	100	0.00
22 TMP cis-1,2-Dichloroethene	0.382	0.376	1.6	100	0.00
23 TMP Chloroform	0.583	0.584	-0.2	100	0.00
24 TMP 2-Butanone (MEK)	0.186	0.214	-15.1	100	0.00
25 TMP t-Amyl methyl ether (TAME)	0.964	0.987	-2.4	100	0.00
26 TMP 1,2-Dichloroethane (EDC)	0.438	0.439	-0.2	100	0.00
27 TMP 1,1,1-Trichloroethane	0.532	0.534	-0.4	100	0.00
28 TMP 1,1-Dichloropropene	0.448	0.458	-2.2	100	0.00
29 TMP Carbon tetrachloride	0.479	0.505	-5.4	100	0.00
30 S 1,2-Dichloroethane-d4	0.063	0.065	-3.2	100	0.00
31 TMP Benzene	1.286	1.300	-1.1	100	0.00
32 TMP Trichloroethene	0.373	0.405	-8.6	100	0.00
33 TMP 1,2-Dichloropropane	0.284	0.295	-3.9	100	0.00
34 TMP Bromodichloromethane	0.432	0.456	-5.6	100	0.00
35 S Toluene-d8	1.002	1.028	-2.6	100	0.00
36 TMP Dibromomethane	0.216	0.220	-1.9	100	0.00
37 TMP 4-Methyl-2-pentanone	0.077	0.081	-5.2	100	0.00
38 TMP cis-1,3-Dichloropropene	0.504	0.525	-4.2	100	0.00
39 I Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40 TMP Toluene	0.968	1.002	-3.5	100	0.00
41 TMP trans-1,3-Dichloropropene	0.553	0.573	-3.6	100	0.00
42 TMP 1,1,2-Trichloroethane	0.293	0.294	-0.3	100	0.00
43 TMP 2-Hexanone	0.320	0.322	-0.6	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110818.D
 Acq On : 8 Nov 2022 4:07 pm
 Operator : LM
 Sample : 200 ppb 8260 ICAL 67-177U
 Misc : soil/water
 ALS Vial : 16 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:49 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.560	0.573	-2.3	100	0.00
45 TMP Tetrachloroethene	0.431	0.452	-4.9	100	0.00
46 TMP Dibromochloromethane	0.429	0.490	-14.2	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	0.398	0.403	-1.3	100	0.00
48 TMP Chlorobenzene	1.148	1.171	-2.0	100	0.00
49 TMP Ethylbenzene	1.845	1.886	-2.2	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.426	0.449	-5.4	100	0.00
51 TMP m,p-Xylene	0.746	0.781	-4.7	100	0.00
52 TMP o-Xylene	0.741	0.764	-3.1	100	0.00
53 TMP Styrene	1.258	1.335	-6.1	100	0.00
54 TMP Isopropylbenzene	1.878	1.983	-5.6	100	0.00
55 TMP Bromoform	0.362	0.432	-19.3	100	0.00
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	0.701	0.668	4.7	100	0.00
58 TMP n-Propylbenzene	3.165	3.087	2.5	100	0.00
59 TMP Bromobenzene	0.916	0.878	4.1	100	0.00
60 TMP 1,3,5-Trimethylbenzene	2.336	2.402	-2.8	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.806	0.686	14.9	100	0.00
62 TMP 1,2,3-Trichloropropane	0.610	0.569	6.7	100	0.00
63 TMP 2-Chlorotoluene	1.890	1.846	2.3	100	0.00
64 TMP 4-Chlorotoluene	2.253	2.262	-0.4	100	0.00
65 TMP tert-Butylbenzene	2.062	2.075	-0.6	100	0.00
66 TMP 1,2,4-Trimethylbenzene	2.433	2.455	-0.9	100	0.00
67 TMP sec-Butylbenzene	2.769	2.840	-2.6	100	0.00
68 TMP p-Isopropyltoluene	2.526	2.627	-4.0	100	0.00
69 TMP 1,3-Dichlorobenzene	1.624	1.626	-0.1	100	0.00
70 TMP 1,4-Dichlorobenzene	1.675	1.676	-0.1	100	0.00
71 TMP 1,2-Dichlorobenzene	1.595	1.615	-1.3	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	0.167	0.177	-6.0	100	0.00
73 TMP 1,2,4-Trichlorobenzene	1.200	1.204	-0.3	100	0.00
74 TMP Hexachlorobutadiene	0.463	0.477	-3.0	100	0.00
75 TMP Naphthalene	2.957	3.034	-2.6	100	0.00
76 TMP 1,2,3-Trichlorobenzene	1.136	1.150	-1.2	100	0.00

(#) = Out of Range

SPCC's out = 2 CCC's out = 0

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110818.D
 Acq On : 8 Nov 2022 4:07 pm
 Operator : LM
 Sample : 200 ppb 8260 ICAL 67-177U
 Misc : soil/water
 ALS Vial : 16 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:49 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	4.78	96	87283	10.000	ppb	0.00	
39) Chlorobenzene-d5	7.44	117	73762	10.000	ppb	0.00	
56) 1,4-Dichlorobenzene-d4	9.66	152	52648	10.000	ppb	# 0.00	
System Monitoring Compounds							
3) Dibromofluoromethane	4.21	113	24218	10.093	ppb	0.00	
Spiked Amount	10.000	Range	0 - 1000	Recovery	=	100.90%	
30) 1,2-Dichloroethane-d4	4.49	102	5685	10.258	ppb	0.00	
Spiked Amount	10.000	Range	90 - 109	Recovery	=	102.60%	
35) Toluene-d8	6.14	98	89715	10.261	ppb	0.00	
Spiked Amount	10.000	Range	89 - 112	Recovery	=	102.60%	
57) 4-Bromofluorobenzene	8.54	95	35165	9.524	ppb	0.00	
Spiked Amount	10.000	Range	84 - 115	Recovery	=	95.20%	
Target Compounds							
							Qvalue
2) Ethanol	1.07	45	1486	No Calib	#		
4) Dichlorodifluoromethane	1.18	85	777451	217.453	ppb		95
5) Chloromethane	1.32	50	671998	202.726	ppb		100
6) Vinyl chloride	1.40	62	674333	214.441	ppb		99
7) Bromomethane	1.63	94	287246	196.448	ppb		96
8) Chloroethane	1.70	64	320361	194.258	ppb		97
9) Trichlorofluoromethane	1.92	101	1055586	215.310	ppb		93
10) 2-Propanol	2.99	45	84259	No Calib			
11) Acetone	2.39	58	471174	984.873	ppb		95
12) 1,1-Dichloroethene	2.32	96	563721	193.732	ppb		83
13) Hexane	3.21	57	645615	212.249	ppb		94
14) Methylene chloride	2.74	84	573092	208.160	ppb		87
15) t-Butyl alcohol (TBA)	2.87	59	446100	997.542	ppb		89
16) Methyl t-butyl ether (...)	2.99	73	1771524	208.928	ppb		96
17) trans-1,2-Dichloroethene	2.97	96	615625	199.882	ppb		82
18) Diisopropyl ether (DIPE)	3.40	45	1553941	200.364	ppb		94
19) 1,1-Dichloroethane	3.32	63	945706	202.231	ppb		99
20) Ethyl t-butyl ether (E...)	3.70	87	743659	200.482	ppb		85
21) 2,2-Dichloropropane	3.81	77	541544	206.397	ppb		97
22) cis-1,2-Dichloroethene	3.81	96	656814	196.997	ppb	#	82
23) Chloroform	4.08	83	1018623	201.234	ppb		99
24) 2-Butanone (MEK)	3.83	43	1865320	1148.351	ppb		95
25) t-Amyl methyl ether (T...)	4.65	73	1722363	204.781	ppb		99
26) 1,2-Dichloroethane (EDC)	4.56	62	765559	200.173	ppb		94
27) 1,1,1-Trichloroethane	4.23	97	932731	200.724	ppb		94
28) 1,1-Dichloropropene	4.37	75	799441	204.390	ppb		90
29) Carbon tetrachloride	4.37	117	881073	210.628	ppb		93
31) Benzene	4.54	78	2269280	202.231	ppb		95
32) Trichloroethene	5.09	95	707067	217.251	ppb	#	78
33) 1,2-Dichloropropane	5.28	63	515659	207.720	ppb		96
34) Bromodichloromethane	5.51	83	796199	211.316	ppb		97
36) Dibromomethane	5.37	93	383541	203.691	ppb		85

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110818.D
 Acq On : 8 Nov 2022 4:07 pm
 Operator : LM
 Sample : 200 ppb 8260 ICAL 67-177U
 Misc : soil/water
 ALS Vial : 16 Sample Multiplier: 1
 InstName : GCMS4

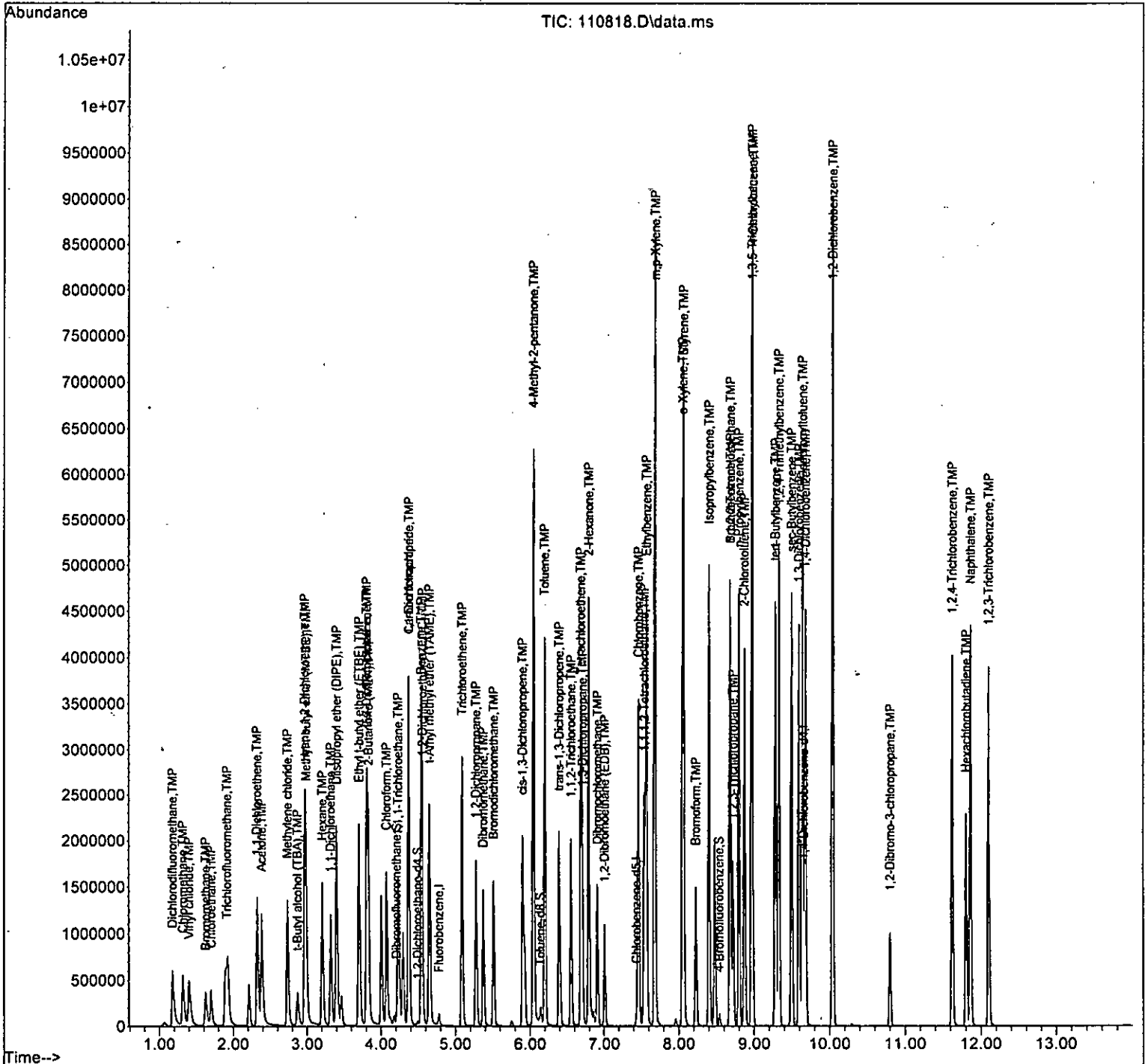
Quant Time: Nov 08 16:47:49 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	6.05	85	706333	1052.435	ppb	# 76
38) cis-1,3-Dichloropropene	5.90	75	916228	208.191	ppb	95
40) Toluene	6.20	92	1477659	207.013	ppb	98
41) trans-1,3-Dichloropropene	6.39	75	845669	207.365	ppb	96
42) 1,1,2-Trichloroethane	6.55	83	433868	200.690	ppb	89
43) 2-Hexanone	6.79	43	2376138	1005.324	ppb	95
44) 1,3-Dichloropropane	6.71	76	844988	204.490	ppb	100
45) Tetrachloroethene	6.69	164	666496	209.724	ppb	99
46) Dibromochloromethane	6.91	129	722578	197.087	ppb	98
47) 1,2-Dibromoethane (EDB)	7.01	107	594533	202.415	ppb	96
48) Chlorobenzene	7.46	112	1727644	204.009	ppb	89
49) Ethylbenzene	7.57	91	2781599	204.372	ppb	94
50) 1,1,1,2-Tetrachloroethane	7.54	131	662104	210.932	ppb	95
51) m,p-Xylene	7.68	106	2303507	418.652	ppb	87
52) o-Xylene	8.05	106	1126763	206.094	ppb	89
53) Styrene	8.06	104	1969842	212.285	ppb	91
54) Isopropylbenzene	8.40	105	2924753	211.135	ppb	94
55) Bromoform	8.23	173	637920	195.055	ppb	97
58) n-Propylbenzene	8.80	91	3250023	195.029	ppb	92
59) Bromobenzene	8.68	156	924648	191.770	ppb	# 80
60) 1,3,5-Trimethylbenzene	8.97	105	2529216	205.629	ppb	87
61) 1,1,2,2-Tetrachloroethane	8.68	83	722551	170.257	ppb	97
62) 1,2,3-Trichloropropane	8.72	75	599242	186.447	ppb	99
63) 2-Chlorotoluene	8.87	91	1944207	195.437	ppb	90
64) 4-Chlorotoluene	8.98	91	2381591	200.767	ppb	88
65) tert-Butylbenzene	9.28	119	2184564	201.193	ppb	88
66) 1,2,4-Trimethylbenzene	9.33	105	2585446	201.840	ppb	93
67) sec-Butylbenzene	9.49	105	2990264	205.127	ppb	94
68) p-Isopropyltoluene	9.64	119	2766512	208.060	ppb	92
69) 1,3-Dichlorobenzene	9.59	146	1712282	200.252	ppb	95
70) 1,4-Dichlorobenzene	9.68	146	1765164	200.125	ppb	95
71) 1,2-Dichlorobenzene	10.04	146	1700562	202.518	ppb	94
72) 1,2-Dibromo-3-chloropr...	10.80	75	186128	211.545	ppb	# 52
73) 1,2,4-Trichlorobenzene	11.62	180	1267343	200.549	ppb	98
74) Hexachlorobutadiene	11.81	225	502458	206.269	ppb	98
75) Naphthalene	11.86	128	3195168	205.253	ppb	99
76) 1,2,3-Trichlorobenzene	12.10	180	1211267	202.523	ppb	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110818.D
 Acq On : 8 Nov 2022 4:07 pm
 Operator : LM
 Sample : 200 ppb 8260 ICAL 67-177U
 Misc : soil/water
 ALS Vial : 16 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:49 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110820.D
 Acq On : 8 Nov 2022 4:55 pm
 Operator : LM
 Sample : 10 ppb 8260 SCV 67-155c
 Misc : soil/water
 ALS Vial : 18 Sample Multiplier: 1
 InstName : GCMS4

ACETONE ↑ IN SCV -
 CA. IF MET.

11/08/22 JCM

Quant Time: Nov 08 17:29:09 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I Fluorobenzene	10.000	10.000	0.0	97	0.00
2 TMP Ethanol	-1.000	0.000	0.0	31	0.00
3 S Dibromofluoromethane	10.000	10.210	-2.1	97	0.00
4 TMP Dichlorodifluoromethane	10.000	8.250	17.5	73	0.00
5 TMP Chloromethane	10.000	9.797	2.0	90	0.00
6 TMP Vinyl chloride	10.000	10.608	-6.1	95	0.00
7 TMP Bromomethane	10.000	12.753	-27.5#	119	0.00
8 TMP Chloroethane	10.000	10.992	-9.9	105	0.00
9 TMP Trichlorofluoromethane	10.000	10.358	-3.6	98	0.00
10 TMP 2-Propanol	-1.000	0.000	0.0	0	0.00
11 TMP Acetone	50.000	78.375	-56.8#	122	0.00
12 TMP 1,1-Dichloroethene	10.000	9.818	1.8	98	0.00
13 TMP Hexane	10.000	9.551	4.5	94	0.00
14 TMP Methylene chloride	10.000	10.123	-1.2	95	0.00
15 TMP t-Butyl alcohol (TBA)	50.000	49.286	1.4	94	0.00
16 TMP Methyl t-butyl ether (MTBE)	10.000	10.006	-0.1	95	0.00
17 TMP trans-1,2-Dichloroethene	10.000	9.949	0.5	98	0.00
18 TMP Diisopropyl ether (DIPE)	10.000	9.810	1.9	97	0.00
19 TMP 1,1-Dichloroethane	10.000	9.995	0.1	97	0.00
20 TMP Ethyl t-butyl ether (ETBE)	10.000	9.885	1.2	95	0.00
21 TMP 2,2-Dichloropropane	10.000	9.541	4.6	89	0.00
22 TMP cis-1,2-Dichloroethene	10.000	9.747	2.5	98	0.00
23 TMP Chloroform	10.000	9.943	0.6	95	0.00
24 TMP 2-Butanone (MEK)	50.000	49.352	1.3	103	0.00
25 TMP t-Amyl methyl ether (TAME)	10.000	9.937	0.6	95	0.00
26 TMP 1,2-Dichloroethane (EDC)	10.000	9.822	1.8	96	0.00
27 TMP 1,1,1-Trichloroethane	10.000	10.296	-3.0	100	0.00
28 TMP 1,1-Dichloropropene	10.000	10.019	-0.2	99	0.00
29 TMP Carbon tetrachloride	10.000	10.300	-3.0	102	0.00
30 S 1,2-Dichloroethane-d4	10.000	10.128	-1.3	97	0.00
31 TMP Benzene	10.000	9.817	1.8	97	0.00
32 TMP Trichloroethene	10.000	10.118	-1.2	103	0.00
33 TMP 1,2-Dichloropropane	10.000	9.802	2.0	94	0.00
34 TMP Bromodichloromethane	10.000	9.826	1.7	98	0.00
35 S Toluene-d8	10.000	9.871	1.3	95	0.00
36 TMP Dibromomethane	10.000	10.230	-2.3	98	0.00
37 TMP 4-Methyl-2-pentanone	50.000	47.710	4.6	94	0.00
38 TMP cis-1,3-Dichloropropene	10.000	9.927	0.7	97	0.00
39 I Chlorobenzene-d5	10.000	10.000	0.0	96	0.00
40 TMP Toluene	10.000	9.759	2.4	97	0.00
41 TMP trans-1,3-Dichloropropene	10.000	9.837	1.6	96	0.00
42 TMP 1,1,2-Trichloroethane	10.000	9.811	1.9	97	0.00
43 TMP 2-Hexanone	50.000	46.273	7.5	90	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110820.D
 Acq On : 8 Nov 2022 4:55 pm
 Operator : LM
 Sample : 10 ppb 8260 SCV 67-155c
 Misc : soil/water
 ALS Vial : 18 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 17:29:09 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	10.000	9.703	3.0	95	0.00
45 TMP Tetrachloroethene	10.000	10.117	-1.2	100	0.00
46 TMP Dibromochloromethane	10.000	10.604	-6.0	101	0.00
47 TMP 1,2-Dibromoethane (EDB)	10.000	9.976	0.2	96	0.00
48 TMP Chlorobenzene	10.000	9.898	1.0	96	0.00
49 TMP Ethylbenzene	10.000	9.767	2.3	96	0.00
50 TMP 1,1,1,2-Tetrachloroethane	10.000	10.067	-0.7	97	0.00
51 TMP m,p-Xylene	20.000	19.797	1.0	97	0.00
52 TMP o-Xylene	10.000	10.091	-0.9	99	0.00
53 TMP Styrene	10.000	9.862	1.4	95	0.00
54 TMP Isopropylbenzene	10.000	9.813	1.9	96	0.00
55 TMP Bromoform	10.000	10.758	-7.6	99	0.00
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	98	0.00
57 S 4-Bromofluorobenzene	10.000	9.630	3.7	94	0.00
58 TMP n-Propylbenzene	10.000	9.546	4.5	96	0.00
59 TMP Bromobenzene	10.000	9.994	0.1	97	0.00
60 TMP 1,3,5-Trimethylbenzene	10.000	9.647	3.5	97	0.00
61 TMP 1,1,2,2-Tetrachloroethane	10.000	9.303	7.0	91	0.00
62 TMP 1,2,3-Trichloropropane	10.000	9.648	3.5	93	0.00
63 TMP 2-Chlorotoluene	10.000	9.690	3.1	97	0.00
64 TMP 4-Chlorotoluene	10.000	9.531	4.7	95	0.00
65 TMP tert-Butylbenzene	10.000	9.740	2.6	97	0.00
66 TMP 1,2,4-Trimethylbenzene	10.000	9.596	4.0	97	0.00
67 TMP sec-Butylbenzene	10.000	9.441	5.6	95	0.00
68 TMP p-Isopropyltoluene	10.000	9.580	4.2	97	0.00
69 TMP 1,3-Dichlorobenzene	10.000	9.723	2.8	96	0.00
70 TMP 1,4-Dichlorobenzene	10.000	9.791	2.1	98	0.00
71 TMP 1,2-Dichlorobenzene	10.000	9.824	1.8	98	0.00
72 TMP 1,2-Dibromo-3-chloropropane	10.000	9.278	7.2	90	0.00
73 TMP 1,2,4-Trichlorobenzene	10.000	9.559	4.4	95	0.00
74 TMP Hexachlorobutadiene	10.000	9.649	3.5	99	0.00
75 TMP Naphthalene	10.000	9.341	6.6	91	0.00
76 TMP 1,2,3-Trichlorobenzene	10.000	9.367	6.3	92	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110820.D
 Acq On : 8 Nov 2022 4:55 pm
 Operator : LM
 Sample : 10 ppb 8260 SCV 67-155c
 Misc : soil/water
 ALS Vial : 18 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 17:29:09 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I Fluorobenzene	1.000	1.000	0.0	97	0.00
2 TMP Ethanol	0.000	0.000#	0.0	31#	0.00
3 S Dibromofluoromethane	0.275	0.281	-2.2	97	0.00
4 TMP Dichlorodifluoromethane	0.410	0.338	17.6	73	0.00
5 TMP Chloromethane	0.380	0.372	2.1	90	0.00
6 TMP Vinyl chloride	0.360	0.382	-6.1	95	0.00
7 TMP Bromomethane	0.168	0.214	-27.4#	119	0.00
8 TMP Chloroethane	0.189	0.208	-10.1	105	0.00
9 TMP Trichlorofluoromethane	0.562	0.582	-3.6	98	0.00
10 TMP 2-Propanol	0.000	0.000	0.0	0#	0.00
11 TMP Acetone	0.037	0.042	-13.5	122	0.00
12 TMP 1,1-Dichloroethene	0.333	0.327	1.8	98	0.00
13 TMP Hexane	0.348	0.333	4.3	94	0.00
14 TMP Methylene chloride	0.369	0.367	0.5	95	0.00
15 TMP t-Butyl alcohol (TBA)	0.051	0.051	0.0	94	0.00
16 TMP Methyl t-butyl ether (MTBE)	0.971	0.972	-0.1	95	0.00
17 TMP trans-1,2-Dichloroethene	0.353	0.351	0.6	98	0.00
18 TMP Diisopropyl ether (DIPE)	0.889	0.872	1.9	97	0.00
19 TMP 1,1-Dichloroethane	0.536	0.536	0.0	97	0.00
20 TMP Ethyl t-butyl ether (ETBE)	0.425	0.420	1.2	95	0.00
21 TMP 2,2-Dichloropropane	0.352	0.330	6.2	89	0.00
22 TMP cis-1,2-Dichloroethene	0.382	0.372	2.6	98	0.00
23 TMP Chloroform	0.583	0.577	1.0	95	0.00
24 TMP 2-Butanone (MEK)	0.186	0.184	1.1	103	0.00
25 TMP t-Amyl methyl ether (TAME)	0.964	0.958	0.6	95	0.00
26 TMP 1,2-Dichloroethane (EDC)	0.438	0.430	1.8	96	0.00
27 TMP 1,1,1-Trichloroethane	0.532	0.548	-3.0	100	0.00
28 TMP 1,1-Dichloropropene	0.448	0.449	-0.2	99	0.00
29 TMP Carbon tetrachloride	0.479	0.494	-3.1	102	0.00
30 S 1,2-Dichloroethane-d4	0.063	0.064	-1.6	97	0.00
31 TMP Benzene	1.286	1.262	1.9	97	0.00
32 TMP Trichloroethene	0.373	0.377	-1.1	103	0.00
33 TMP 1,2-Dichloropropane	0.284	0.279	1.8	94	0.00
34 TMP Bromodichloromethane	0.432	0.424	1.9	98	0.00
35 S Toluene-d8	1.002	0.989	1.3	95	0.00
36 TMP Dibromomethane	0.216	0.221	-2.3	98	0.00
37 TMP 4-Methyl-2-pentanone	0.077	0.073	5.2	94	0.00
38 TMP cis-1,3-Dichloropropene	0.504	0.501	0.6	97	0.00
39 I Chlorobenzene-d5	1.000	1.000	0.0	96	0.00
40 TMP Toluene	0.968	0.944	2.5	97	0.00
41 TMP trans-1,3-Dichloropropene	0.553	0.544	1.6	96	0.00
42 TMP 1,1,2-Trichloroethane	0.293	0.288	1.7	97	0.00
43 TMP 2-Hexanone	0.320	0.297	7.2	90	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110820.D
 Acq On : 8 Nov 2022 4:55 pm
 Operator : LM
 Sample : 10 ppb 8260 SCV 67-155c
 Misc : soil/water
 ALS Vial : 18 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 17:29:09 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.560	0.544	2.9	95	0.00
45 TMP Tetrachloroethene	0.431	0.436	-1.2	100	0.00
46 TMP Dibromochloromethane	0.429	0.448	-4.4	101	0.00
47 TMP 1,2-Dibromoethane (EDB)	0.398	0.397	0.3	96	0.00
48 TMP Chlorobenzene	1.148	1.136	1.0	96	0.00
49 TMP Ethylbenzene	1.845	1.802	2.3	96	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.426	0.428	-0.5	97	0.00
51 TMP m,p-Xylene	0.746	0.738	1.1	97	0.00
52 TMP o-Xylene	0.741	0.748	-0.9	99	0.00
53 TMP Styrene	1.258	1.241	1.4	95	0.00
54 TMP Isopropylbenzene	1.878	1.843	1.9	96	0.00
55 TMP Bromoform	0.362	0.369	-1.9	99	0.00
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	98	0.00
57 S 4-Bromofluorobenzene	0.701	0.675	3.7	94	0.00
58 TMP n-Propylbenzene	3.165	3.021	4.5	96	0.00
59 TMP Bromobenzene	0.916	0.915	0.1	97	0.00
60 TMP 1,3,5-Trimethylbenzene	2.336	2.254	3.5	97	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.806	0.750	6.9	91	0.00
62 TMP 1,2,3-Trichloropropane	0.610	0.589	3.4	93	0.00
63 TMP 2-Chlorotoluene	1.890	1.831	3.1	97	0.00
64 TMP 4-Chlorotoluene	2.253	2.148	4.7	95	0.00
65 TMP tert-Butylbenzene	2.062	2.009	2.6	97	0.00
66 TMP 1,2,4-Trimethylbenzene	2.433	2.335	4.0	97	0.00
67 TMP sec-Butylbenzene	2.769	2.614	5.6	95	0.00
68 TMP p-Isopropyltoluene	2.526	2.419	4.2	97	0.00
69 TMP 1,3-Dichlorobenzene	1.624	1.579	2.8	96	0.00
70 TMP 1,4-Dichlorobenzene	1.675	1.640	2.1	98	0.00
71 TMP 1,2-Dichlorobenzene	1.595	1.567	1.8	98	0.00
72 TMP 1,2-Dibromo-3-chloropropane	0.167	0.155	7.2	90	0.00
73 TMP 1,2,4-Trichlorobenzene	1.200	1.147	4.4	95	0.00
74 TMP Hexachlorobutadiene	0.463	0.446	3.7	99	0.00
75 TMP Naphthalene	2.957	2.762	6.6	91	0.00
76 TMP 1,2,3-Trichlorobenzene	1.136	1.064	6.3	92	0.00

(#) = Out of Range

SPCC's out = 1 CCC's out = 0

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110820.D
 Acq On : 8 Nov 2022 4:55 pm
 Operator : LM
 Sample : 10 ppb 8260 SCV 67-155c
 Misc : soil/water
 ALS Vial : 18 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 17:29:09 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	4.78	96	83510	10.000	ppb	0.00
39) Chlorobenzene-d5	7.43	117	70248	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.65	152	47550	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.21	113	23439	10.210	ppb	0.00
Spiked Amount	10.000	Range	0 - 1000	Recovery	=	102.10%
30) 1,2-Dichloroethane-d4	4.49	102	5370	10.128	ppb	0.00
Spiked Amount	10.000	Range	90 - 109	Recovery	=	101.30%
35) Toluene-d8	6.14	98	82579	9.871	ppb	0.00
Spiked Amount	10.000	Range	89 - 112	Recovery	=	98.70%
57) 4-Bromofluorobenzene	8.54	95	32112	9.630	ppb	0.00
Spiked Amount	10.000	Range	84 - 115	Recovery	=	96.30%
Target Compounds						
						Qvalue
2) Ethanol	1.07	45	1125	No Calib		
4) Dichlorodifluoromethane	1.18	85	28221	8.250	ppb	99
5) Chloromethane	1.32	50	31072	9.797	ppb	96
6) Vinyl chloride	1.40	62	31915	10.608	ppb	89
7) Bromomethane	1.63	94	17842	12.753	ppb	94
8) Chloroethane	1.70	64	17344	10.992	ppb	92
9) Trichlorofluoromethane	1.89	101	48585	10.358	ppb	94
10) 2-Propanol	2.98	45	3862	No Calib		
11) Acetone	2.38	58	17372	78.375	ppb	86
12) 1,1-Dichloroethene	2.32	96	27334	9.818	ppb	85
13) Hexane	3.21	57	27797	9.551	ppb	92
14) Methylene chloride	2.74	84	30665	10.123	ppb	86
15) t-Butyl alcohol (TBA)	2.87	59	21088	49.286	ppb	95
16) Methyl t-butyl ether (...)	2.99	73	81171	10.006	ppb	98
17) trans-1,2-Dichloroethene	2.97	96	29318	9.949	ppb	83
18) Diisopropyl ether (DIPE)	3.40	45	72793	9.810	ppb	91
19) 1,1-Dichloroethane	3.32	63	44722	9.995	ppb	95
20) Ethyl t-butyl ether (E...)	3.70	87	35083	9.885	ppb	85
21) 2,2-Dichloropropane	3.81	77	27563	9.541	ppb	94
22) cis-1,2-Dichloroethene	3.81	96	31093	9.747	ppb	# 80
23) Chloroform	4.08	83	48210	9.943	ppb	99
24) 2-Butanone (MEK)	3.83	43	76699	49.352	ppb	96
25) t-Amyl methyl ether (T...)	4.65	73	79963	9.937	ppb	98
26) 1,2-Dichloroethane (EDC)	4.56	62	35942	9.822	ppb	93
27) 1,1,1-Trichloroethane	4.23	97	45776	10.296	ppb	94
28) 1,1-Dichloropropene	4.37	75	37494	10.019	ppb	91
29) Carbon tetrachloride	4.37	117	41224	10.300	ppb	87
31) Benzene	4.54	78	105401	9.817	ppb	94
32) Trichloroethene	5.09	95	31508	10.118	ppb	# 76
33) 1,2-Dichloropropane	5.28	63	23281	9.802	ppb	97
34) Bromodichloromethane	5.51	83	35422	9.826	ppb	99
36) Dibromomethane	5.37	93	18430	10.230	ppb	# 79

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110820.D
 Acq On : 8 Nov 2022 4:55 pm
 Operator : LM
 Sample : 10 ppb 8260 SCV 67-155c
 Misc : soil/water
 ALS Vial : 18 Sample Multiplier: 1
 InstName : GCMS4

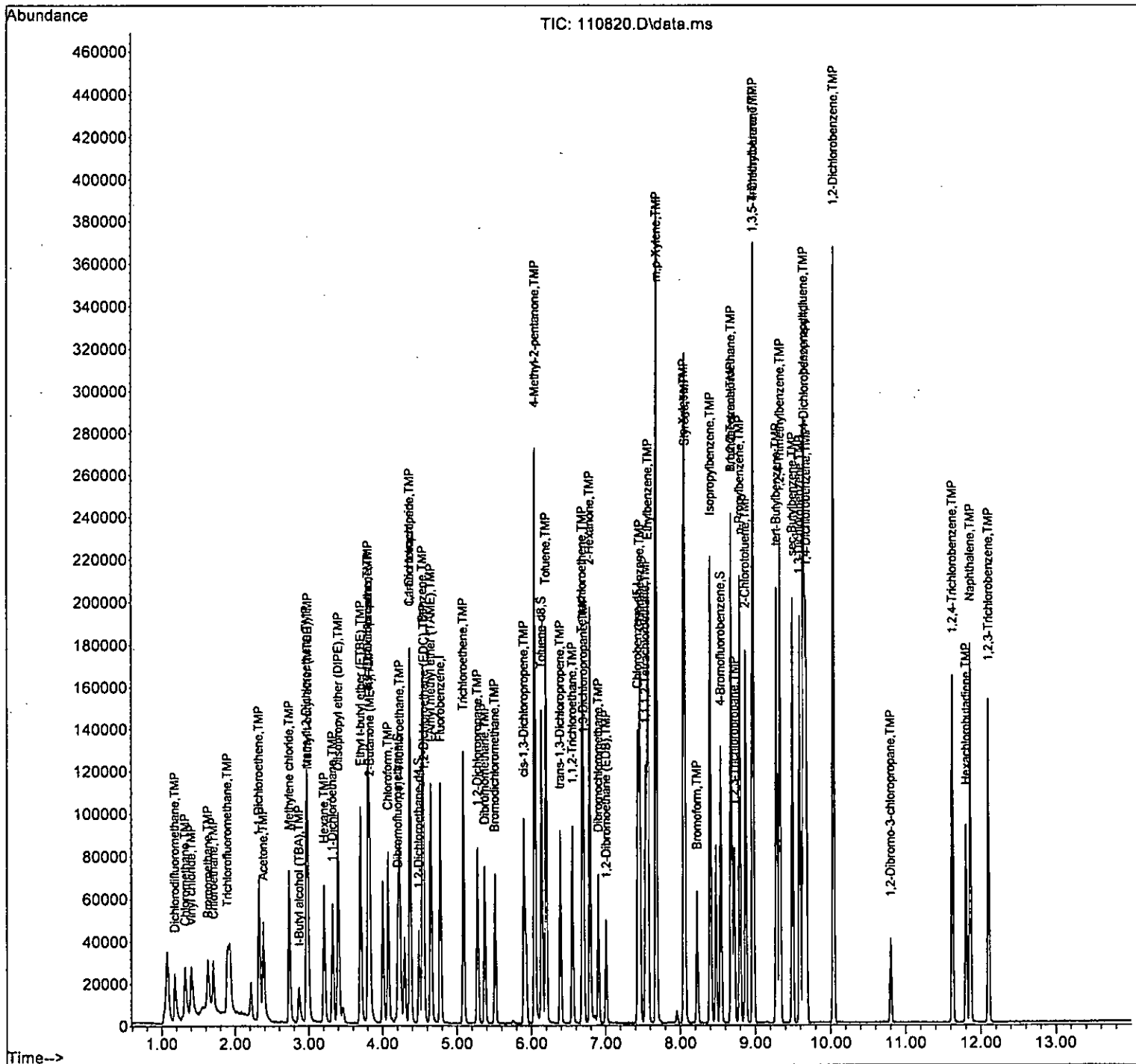
Quant Time: Nov 08 17:29:09 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	6.05	85	30636	47.710	ppb #	77
38) cis-1,3-Dichloropropene	5.90	75	41800	9.927	ppb	93
40) Toluene	6.20	92	66340	9.759	ppb	97
41) trans-1,3-Dichloropropene	6.39	75	38207	9.837	ppb	94
42) 1,1,2-Trichloroethane	6.55	83	20199	9.811	ppb	88
43) 2-Hexanone	6.79	43	104158	46.273	ppb	96
44) 1,3-Dichloropropane	6.70	76	38186	9.703	ppb	99
45) Tetrachloroethene	6.69	164	30620	10.117	ppb	98
46) Dibromochloromethane	6.91	129	31445	10.604	ppb	98
47) 1,2-Dibromoethane (EDB)	7.01	107	27905	9.976	ppb	98
48) Chlorobenzene	7.46	112	79830	9.898	ppb	88
49) Ethylbenzene	7.57	91	126600	9.767	ppb	92
50) 1,1,1,2-Tetrachloroethane	7.54	131	30094	10.067	ppb	97
51) m,p-Xylene	7.68	106	103736	19.797	ppb	84
52) o-Xylene	8.05	106	52544	10.091	ppb	88
53) Styrene	8.06	104	87148	9.862	ppb	87
54) Isopropylbenzene	8.40	105	129460	9.813	ppb	92
55) Bromoform	8.22	173	25895	10.758	ppb	99
58) n-Propylbenzene	8.79	91	143672	9.546	ppb	95
59) Bromobenzene	8.68	156	43521	9.994	ppb #	81
60) 1,3,5-Trimethylbenzene	8.97	105	107172	9.647	ppb	85
61) 1,1,2,2-Tetrachloroethane	8.68	83	35656	9.303	ppb	97
62) 1,2,3-Trichloropropane	8.72	75	28007	9.648	ppb	100
63) 2-Chlorotoluene	8.87	91	87061	9.690	ppb	88
64) 4-Chlorotoluene	8.97	91	102117	9.531	ppb	89
65) tert-Butylbenzene	9.28	119	95517	9.740	ppb	84
66) 1,2,4-Trimethylbenzene	9.33	105	111013	9.596	ppb	90
67) sec-Butylbenzene	9.49	105	124300	9.441	ppb	91
68) p-Isopropyltoluene	9.64	119	115046	9.580	ppb	90
69) 1,3-Dichlorobenzene	9.59	146	75086	9.723	ppb	95
70) 1,4-Dichlorobenzene	9.68	146	77996	9.791	ppb	95
71) 1,2-Dichlorobenzene	10.04	146	74508	9.824	ppb	92
72) 1,2-Dibromo-3-chloropr...	10.80	75	7373	9.278	ppb #	60
73) 1,2,4-Trichlorobenzene	11.62	180	54555	9.559	ppb	100
74) Hexachlorobutadiene	11.81	225	21229	9.649	ppb	95
75) Naphthalene	11.86	128	131334	9.341	ppb	99
76) 1,2,3-Trichlorobenzene	12.10	180	50597	9.367	ppb	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110820.D
 Acq On : 8 Nov 2022 4:55 pm
 Operator : LM
 Sample : 10 ppb 8260 SCV 67-155c
 Misc : soil/water
 ALS Vial : 18 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 17:29:09 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



Response Factor Report GCMS13

Method Path : D:\Methods\Inst13\
Method File : VB110522ms13.M
Title : 8260 Purge & Trap Volatiles Dual Acquisition
Last Update : Mon Nov 07 15:16:10 2022
Response Via : Initial Calibration

Calibration Files

0.02=110506.D 0.04=110507.D 0.1=110508.D 0.2=110509.D 0.5=110510.D 2=110512.D 5=110513.D 10=110514.D 20=110515.D 50=110517.D 200=110519.D

Table with columns: Compound, 0.02, 0.04, 0.1, 0.2, 0.5, 2, 5, 10, 20, 50, 100, 200, Avg, %RSD. Contains multiple rows of chemical compounds and their corresponding response factors across various concentrations.

(#) = Out of Range

Compound List Report GCMS13

Method Path : D:\Methods\Inst13\
 Method File : VB110522ms13.M
 Title : 8260 Purge & Trap Volatiles Dual Acquisition
 Last Update : Mon Nov 07 15:16:10 2022
 Response Via : Initial Calibration

Total Cpnds : 76

PK#	Compound Name	QIon	Exp_RT	Rel_RT	Cal	#Qual	A/H	ID
1	I Fluorobenzene	96	4.75	1.000	A	1	A	B
2	T Ethanol	45	2.33	0.491	A	1	A	B
3	S Dibromofluoromethane	113	4.17	0.880	A	0	A	B
4	T Dichlorodifluoromethane	85	1.12	0.235	A	1	A	B
5	T Chloromethane	50	1.26	0.266	A	1	A	B
6	T Vinyl chloride	-62	1.34	0.282	A	1	A	B
7	T Bromomethane	94	1.58	0.333	A	1	A	B
8	T Chloroethane	-64	1.65	0.347	A	1	A	B
9	T Trichlorofluoromethane	101	1.83	0.385	A	1	A	B
10	T 2-Propanol	45	2.33	0.491	A	1	A	B
11	T Acetone	58	2.33	0.491	Q	1	A	B
12	T 1,1-Dichloroethene	-96	2.27	0.479	A	2	A	B
13	T Hexane	57	3.16	0.665	A	2	A	B
14	T Methylene chloride	84	2.68	0.565	Q	2	A	B
15	T t-Butyl alcohol (TBA)	59	2.82	0.593	A	1	A	B
16	T Methyl t-butyl ether (MTBE)	-73	2.94	0.618	A	1	A	B
17	T trans-1,2-Dichloroethene	-96	2.92	0.616	A	2	A	B
18	T Diisopropyl ether (DIPE)	45	3.35	0.706	A	3	A	B
19	T 1,1-Dichloroethane	-63	3.27	0.690	A	2	A	B
20	T Ethyl t-butyl ether (ETBE)	87	3.66	0.771	A	3	A	B
21	T 2,2-Dichloropropane	77	3.77	0.795	Q	1	A	B
22	T cis-1,2-Dichloroethene	-96	3.77	0.794	A	2	A	B
23	T Chloroform	83	4.04	0.851	A	1	A	B
24	T 2-Butanone (MEK)	43	3.79	0.800	Q	2	A	B
25	T t-Amyl methyl ether (TAME)	73	4.61	0.972	A	2	A	B
26	T 1,2-Dichloroethane (EDC)	-62	4.53	0.954	Q	1	A	B
27	T 1,1,1-Trichloroethane	-97	4.19	0.883	A	2	A	B
28	T 1,1-Dichloropropene	75	4.33	0.913	Q	2	A	B
29	T Carbon tetrachloride	117	4.33	0.913	A	1	A	B
30	S 1,2-Dichloroethane-d4	102	4.46	0.939	A	1	A	B
31	T Benzene	-78	4.50	0.949	A	1	A	B
32	T Trichloroethene	-95	5.05	1.065	A	3	A	B
33	T 1,2-Dichloropropane	63	5.24	1.105	A	1	A	B
34	T Bromodichloromethane	83	5.48	1.155	A	2	A	B
35	S Toluene-d8	98	6.11	1.286	A	1	A	B
36	T Dibromomethane	93	5.35	1.127	A	2	A	B
37	T 4-Methyl-2-pentanone	85	6.03	1.269	A	2	A	B
38	T cis-1,3-Dichloropropene	75	5.88	1.238	A	2	A	B
39	I Chlorobenzene-d5	117	7.41	1.000	A	1	A	B
40	T Toluene	-92	6.16	0.832	Q	1	A	B
41	T trans-1,3-Dichloropropene	75	6.36	0.859	Q	2	A	B
42	T 1,1,2-Trichloroethane	-83	6.53	0.881	Q	2	A	B
43	T 2-Hexanone	43	6.76	0.913	A	3	A	B
44	T 1,3-Dichloropropane	76	6.68	0.903	A	1	A	B
45	T Tetrachloroethene	-164	6.65	0.898	Q	3	A	B
46	T Dibromochloromethane	129	6.88	0.930	Q	1	A	B
47	T 1,2-Dibromoethane (EDB)	-107	6.98	0.943	A	2	A	B
48	T Chlorobenzene	112	7.43	1.004	A	2	A	B
49	T Ethylbenzene	-91	7.54	1.018	A	1	A	B
50	T 1,1,1,2-Tetrachloroethane	131	7.51	1.014	A	2	A	B
51	T m,p-Xylene	-106	7.65	1.033	A	1	A	B
52	T o-Xylene	-106	8.02	1.083	A	1	A	B
53	T Styrene	104	8.03	1.085	A	1	A	B
54	T Isopropylbenzene	105	8.37	1.130	A	1	A	B
55	T Bromoform	173	8.20	1.107	A	2	A	B

56	I	1,4-Dichlorobenzene-d4	152	9.62	1.000	A	2	A	B
57	S	4-Bromofluorobenzene	95	8.51	0.884	A	2	A	B
58	T	n-Propylbenzene	91	8.77	0.911	A	1	A	B
59	T	Bromobenzene	156	8.65	0.899	A	2	A	B
60	T	1,3,5-Trimethylbenzene	105	8.94	0.929	A	1	A	B
61	T	1,1,2,2-Tetrachloroethane	83	8.65	0.899	Q	2	A	B
62	T	1,2,3-Trichloropropane	75	8.70	0.904	A	3	A	B
63	T	2-Chlorotoluene	91	8.84	0.918	A	1	A	B
64	T	4-Chlorotoluene	91	8.95	0.930	A	1	A	B
65	T	tert-Butylbenzene	119	9.25	0.961	A	2	A	B
66	T	1,2,4-Trimethylbenzene	105	9.30	0.966	A	1	A	B
67	T	sec-Butylbenzene	105	9.46	0.983	A	1	A	B
68	T	p-Isopropyltoluene	119	9.61	0.999	A	2	A	B
69	T	1,3-Dichlorobenzene	146	9.56	0.994	A	2	A	B
70	T	1,4-Dichlorobenzene	146	9.64	1.002	A	2	A	B
71	T	1,2-Dichlorobenzene	146	10.01	1.040	A	2	A	B
72	T	1,2-Dibromo-3-chloropropane	75	10.78	1.120	A	2	A	B
73	T	1,2,4-Trichlorobenzene	180	11.59	1.204	A	2	A	B
74	T	Hexachlorobutadiene	225	11.77	1.223	A	2	A	B
75	T	Naphthalene	128	11.84	1.230	Q	2	A	B
76	T	1,2,3-Trichlorobenzene	180	12.08	1.255	A	2	A	B

Cal A = Average L = Linear LO = Linear w/origin Q = Quad QO = Quad w/origin

#Qual = number of qualifiers

A/H = Area or Height

ID R = R.T. B = R.T. & Q Q = Qvalue L = Largest A = All

VB110522ms13.M Mon Nov 07 15:54:19 2022

Calibration Status Report GCMS13

Method Path : D:\Methods\Inst13\
 Method File : VB110522ms13.M
 Title : 8260 Purge & Trap Volatiles Dual Acquisition
 Last Update : Mon Nov 07 15:16:10 2022
 Response Via : Initial Calibration

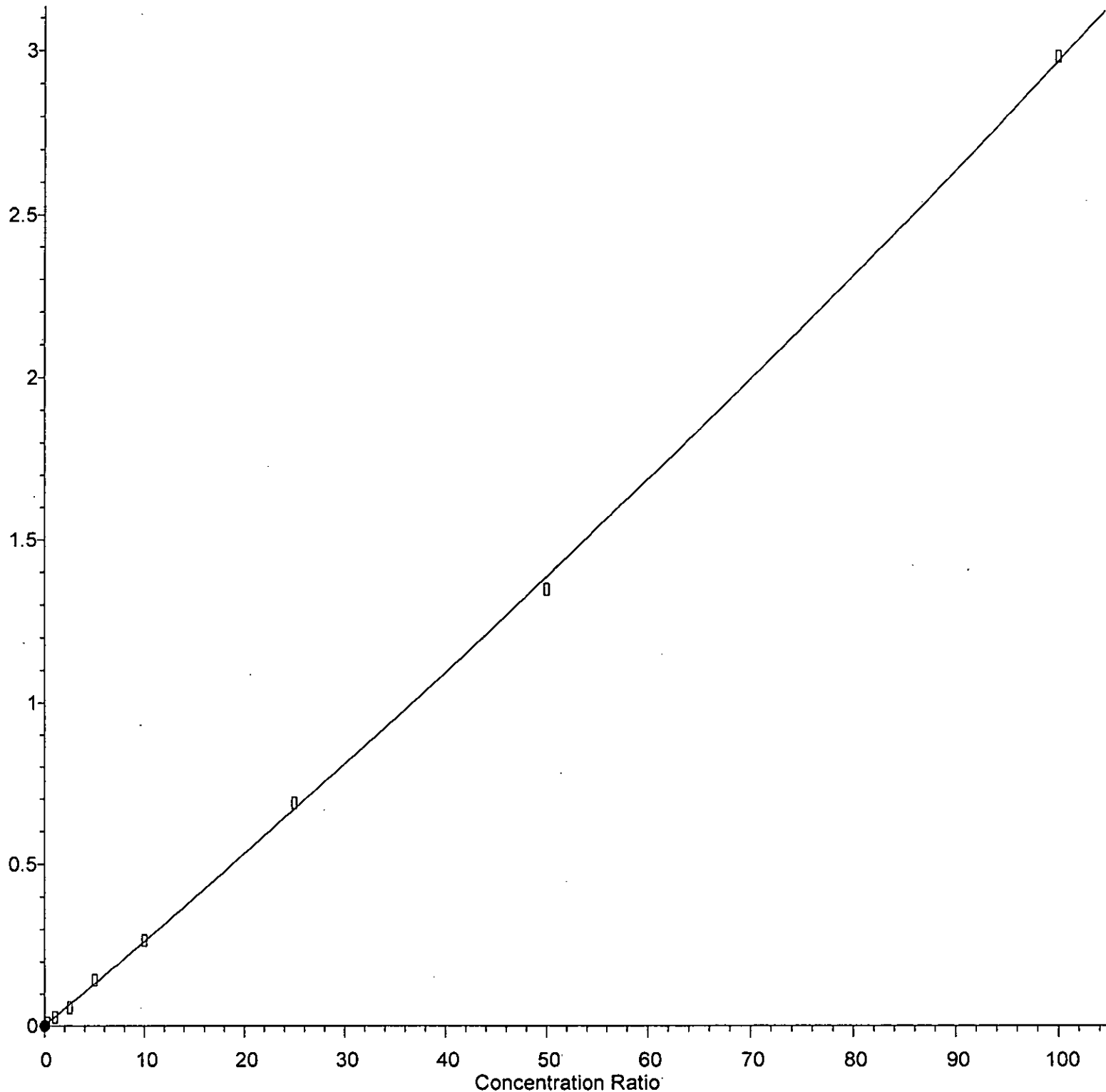
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2	0.04	0	10	D:\Proc_GCMS13\11-05-22\110507.D
3	0.1	0	10	D:\Proc_GCMS13\11-05-22\110508.D
4	0.2	0	10	D:\Proc_GCMS13\11-05-22\110509.D
5	0.5	1	10	D:\Proc_GCMS13\11-05-22\110510.D
7	2	2	10	D:\Proc_GCMS13\11-05-22\110512.D
8	5	5	10	D:\Proc_GCMS13\11-05-22\110513.D
9	10	10	10	D:\Proc_GCMS13\11-05-22\110514.D
10	20	20	10	D:\Proc_GCMS13\11-05-22\110515.D
11	50	50	10	D:\Proc_GCMS13\11-05-22\110516.D
12	100	100	10	D:\Proc_GCMS13\11-05-22\110517.D

#	ID	Update Time	Quant Time	Acquisition Time
1	0.02	Nov 07 10:05 2022	Nov 07 10:01 2022	05 Nov 2022 11:34 am
2	0.04	Nov 07 10:05 2022	Nov 07 10:02 2022	05 Nov 2022 11:57 am
3	0.1	Nov 07 10:05 2022	Nov 07 10:02 2022	05 Nov 2022 12:20 pm
4	0.2	Nov 07 10:05 2022	Nov 07 10:02 2022	05 Nov 2022 12:44 pm
5	0.5	Nov 07 10:05 2022	Nov 07 10:03 2022	05 Nov 2022 01:07 pm
7	2	Nov 07 10:05 2022	Nov 07 07:41 2022	05 Nov 2022 01:53 pm
8	5	Nov 07 10:05 2022	Nov 07 08:01 2022	05 Nov 2022 02:16 pm
9	10	Nov 07 10:05 2022	Nov 07 07:18 2022	05 Nov 2022 02:39 pm
10	20	Nov 07 10:05 2022	Nov 07 07:18 2022	05 Nov 2022 03:03 pm
11	50	Nov 07 10:05 2022	Nov 07 07:44 2022	05 Nov 2022 03:26 pm
12	100	Nov 07 10:05 2022	Nov 07 07:44 2022	05 Nov 2022 03:49 pm

VB110522ms13.M Mon Nov 07 15:54:24 2022

Acetone

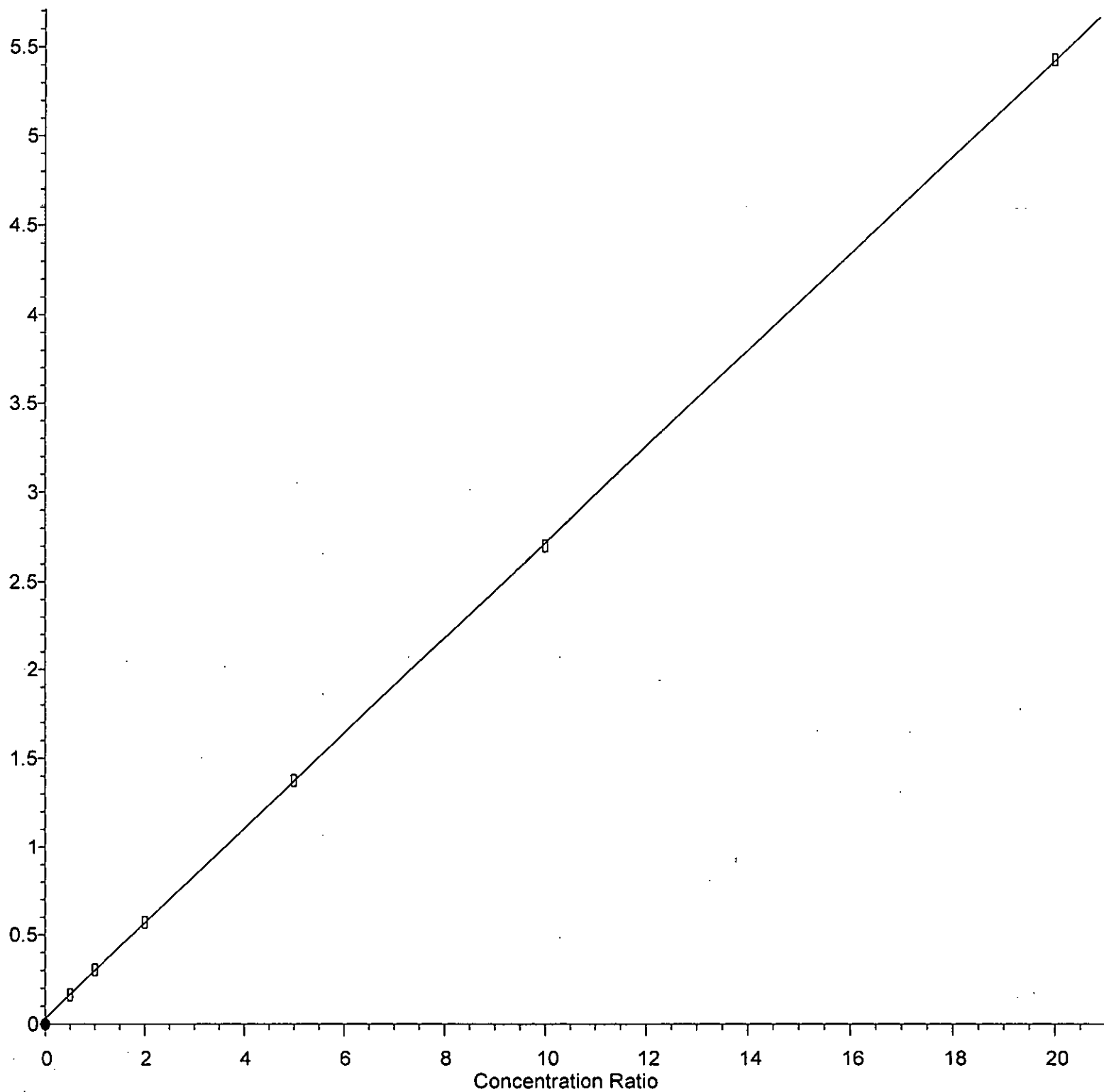
Response Ratio



$R = 4.054e-005 A^2 + 2.565e-002 A + 2.631e-003$
Coef of Det (r^2) = 0.999241 Curve Fit: Quadratic w(1/a)
Method Name: D:\Methods\Inst13\VB110522ms13.M
Calibration Table Last Updated: Mon Nov 07 15:16:10 2022

Methylene chloride

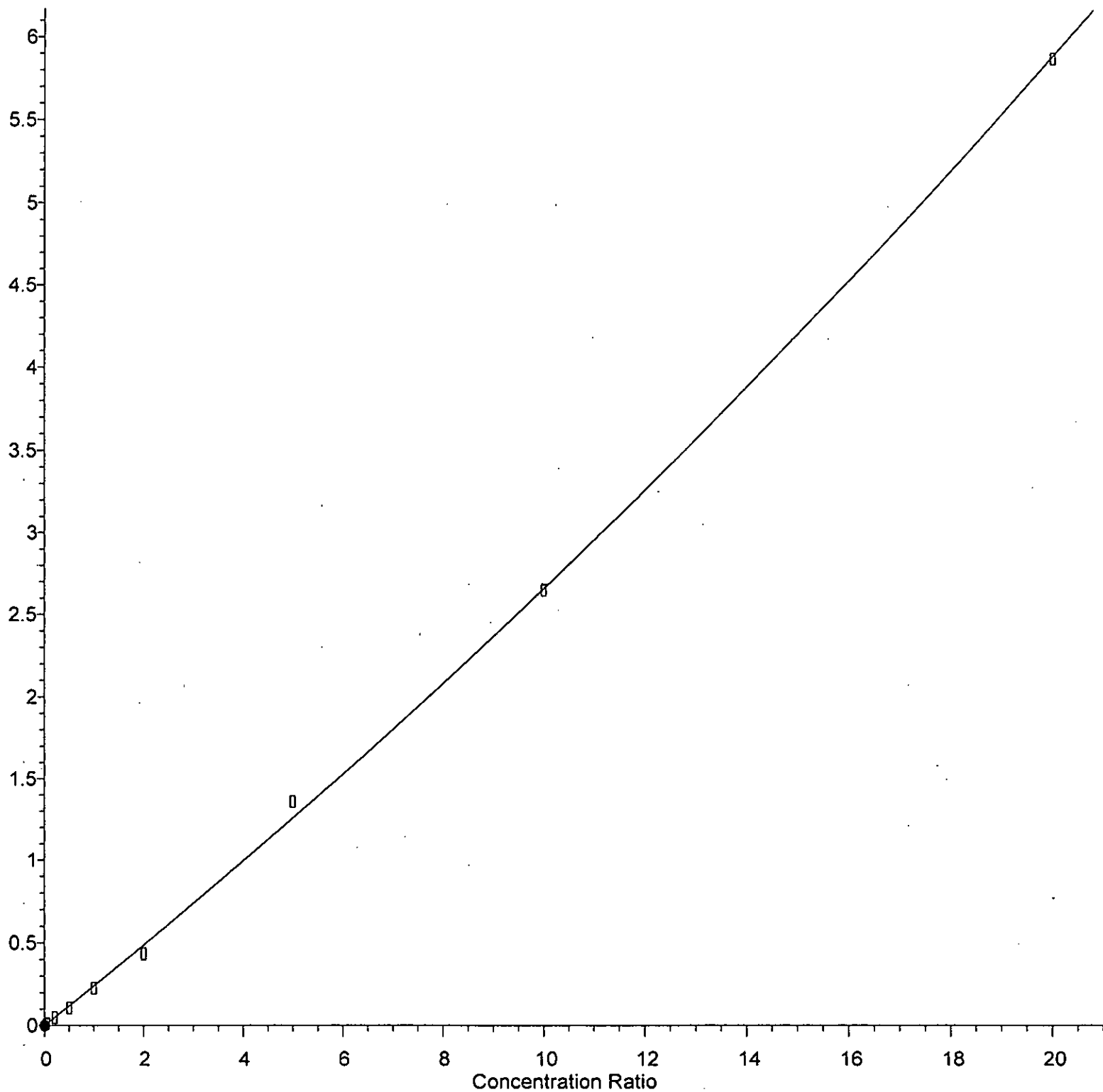
Response Ratio



$R = 1.319e-004 A^2 + 2.673e-001 A + 3.237e-002$
Coef of Det (r^2) = 0.999971 Curve Fit: Quadratic w(1/a)
Method Name: D:\Methods\Inst13\VB110522ms13.M
Calibration Table Last Updated: Mon Nov 07 15:16:10 2022

2,2-Dichloropropane

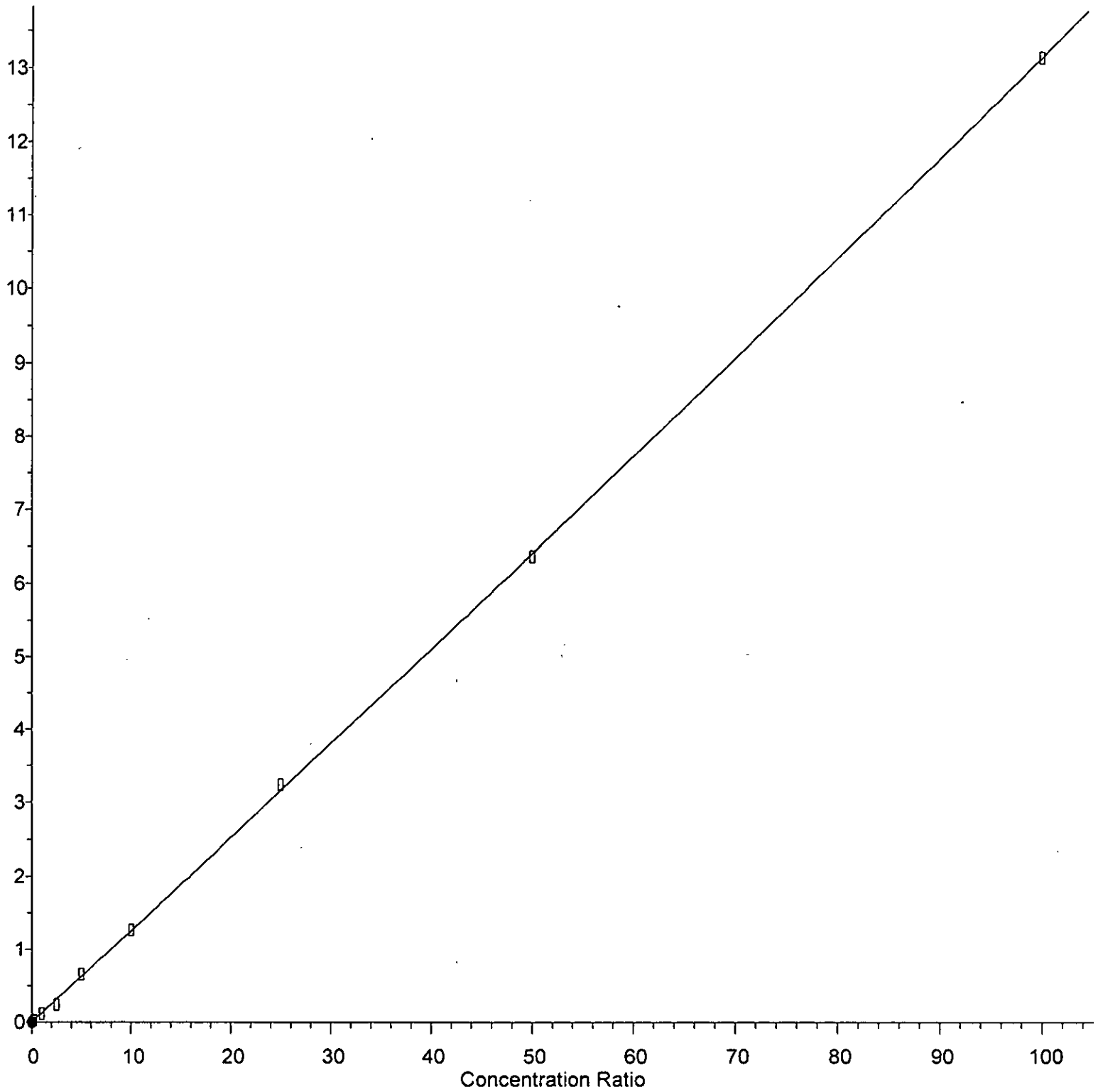
Response Ratio



$R = 2.871e-003 A^2 + 2.371e-001 A + 9.319e-004$
Coef of Det (r^2) = 0.998636 Curve Fit: Quadratic w(1/a)
Method Name: D:\Methods\Inst13\VB110522ms13.M
Calibration Table Last Updated: Mon Nov 07 15:16:10 2022

2-Butanone (MEK)

Response Ratio



$R = 7.131e-005 A^2 + 1.245e-001 A + 3.231e-003$

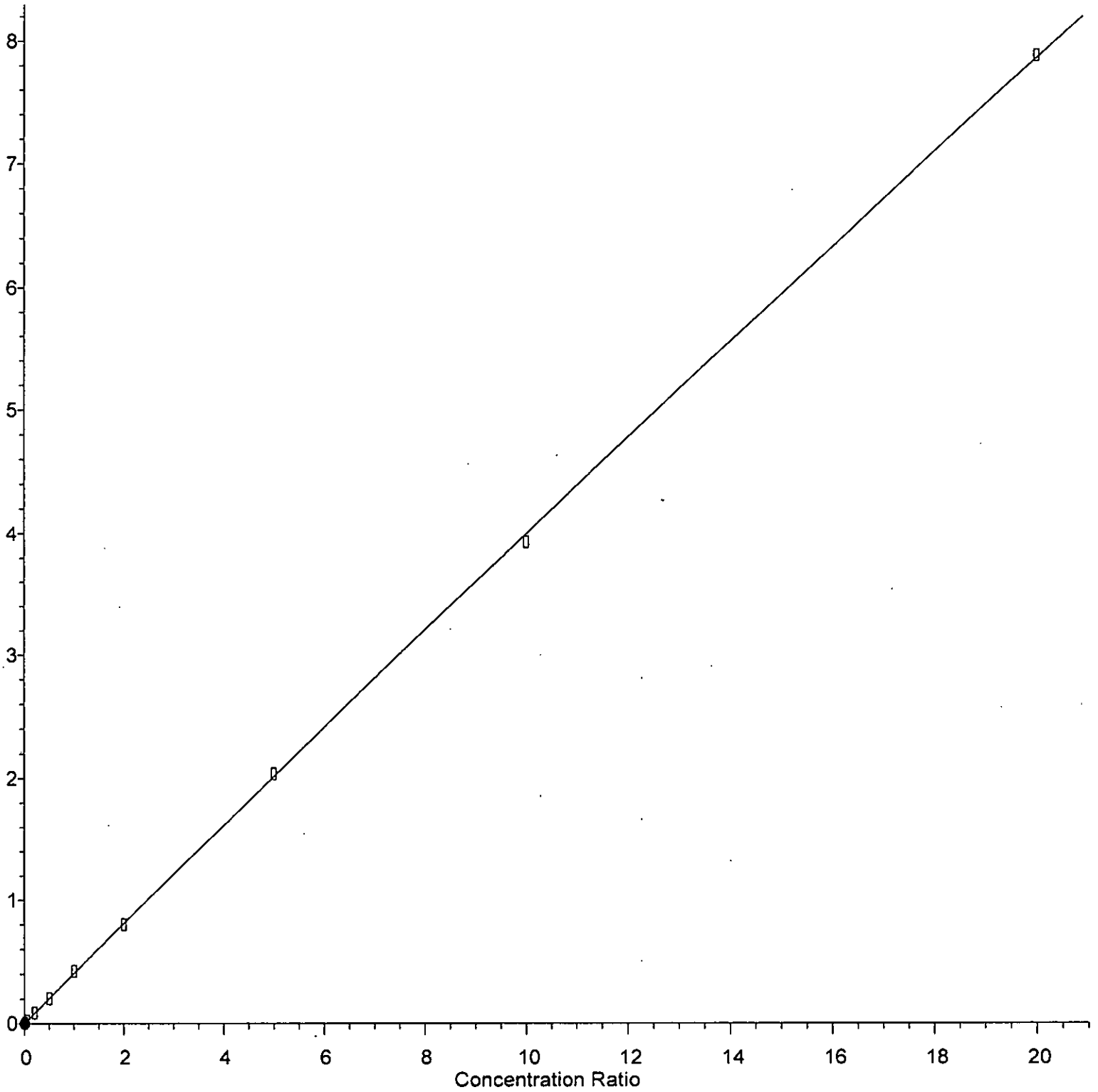
Coef of Det (r^2) = 0.999041 Curve Fit: Quadratic w(1/a)

Method Name: D:\Methods\Inst13\VB110522ms13.M

Calibration Table Last Updated: Mon Nov 07 15:16:10 2022

1,2-Dichloroethane (EDC)

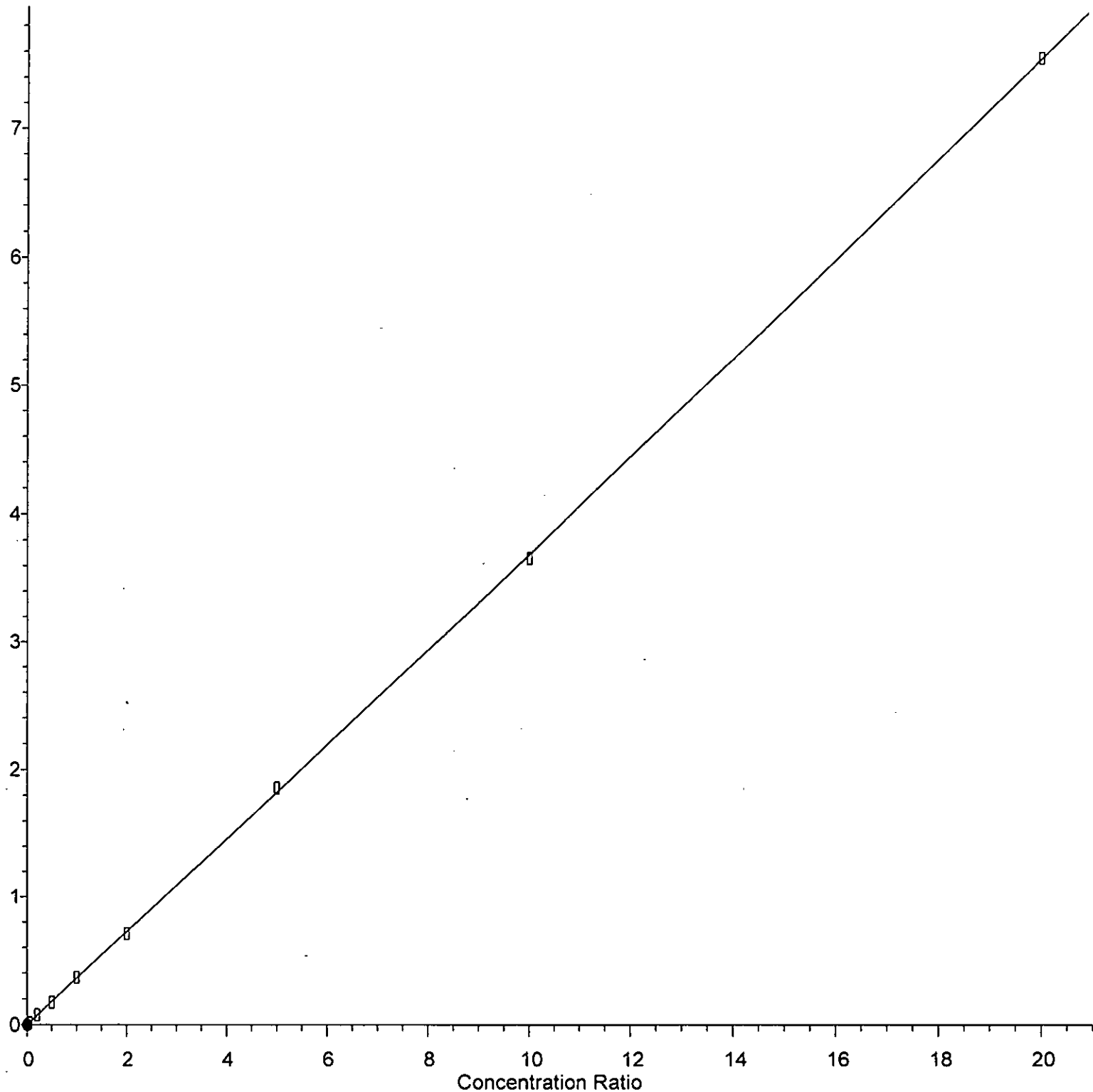
Response Ratio



$R = -5.900e-004 A^2 + 4.054e-001 A + 1.585e-003$
Coef of Det (r^2) = 0.999825 Curve Fit: Quadratic w(1/a)
Method Name: D:\Methods\Inst13\VB110522ms13.M
Calibration Table Last Updated: Mon Nov 07 15:16:10 2022

1,1-Dichloropropene

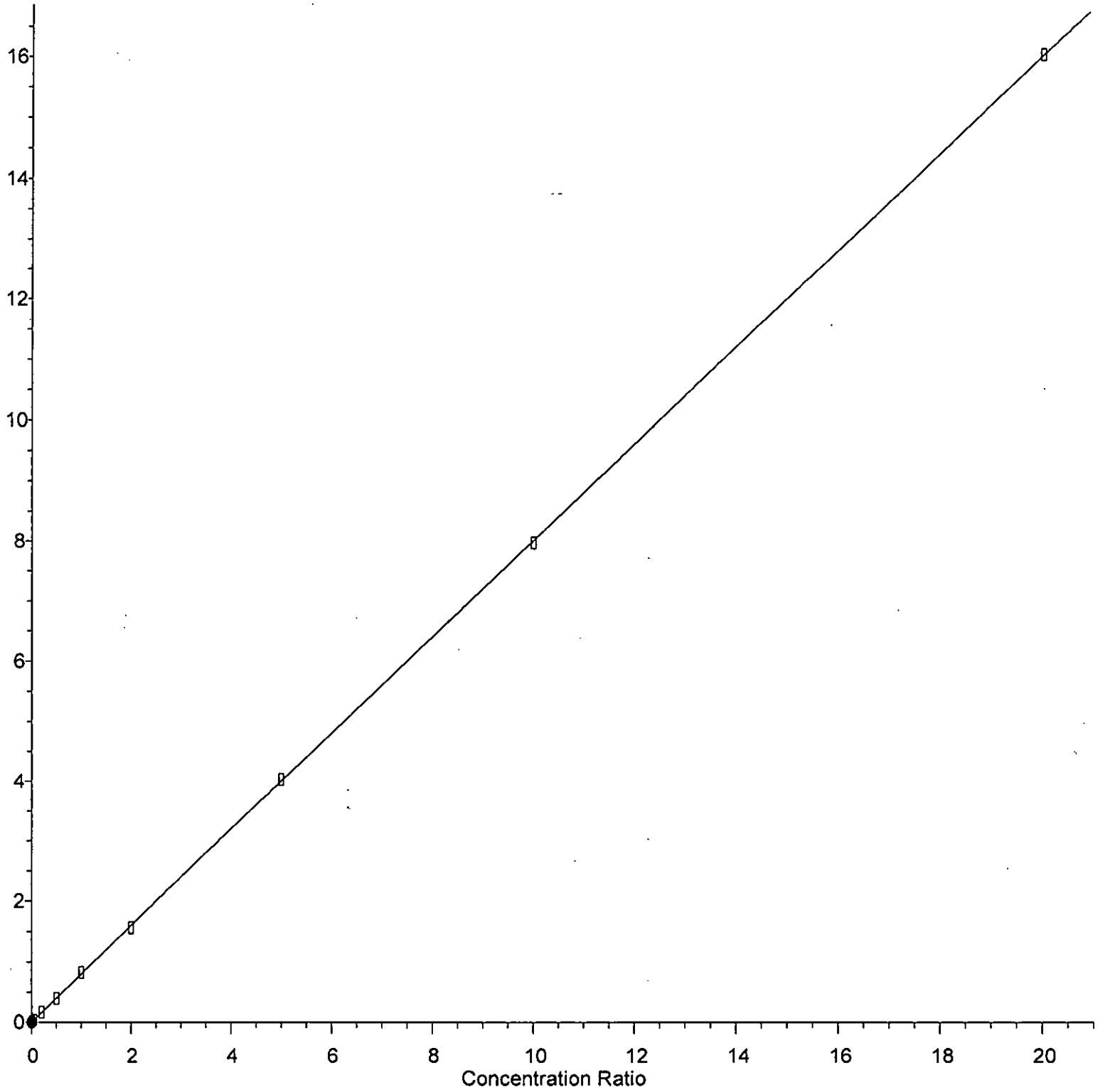
Response Ratio



$R = 8.977e-004 A^2 + 3.598e-001 A + 7.520e-004$
Coef of Det (r^2) = 0.999864 Curve Fit: Quadratic w(1/a)
Method Name: D:\Methods\Inst13\VB110522ms13.M
Calibration Table Last Updated: Mon Nov 07 15:16:10 2022

Toluene

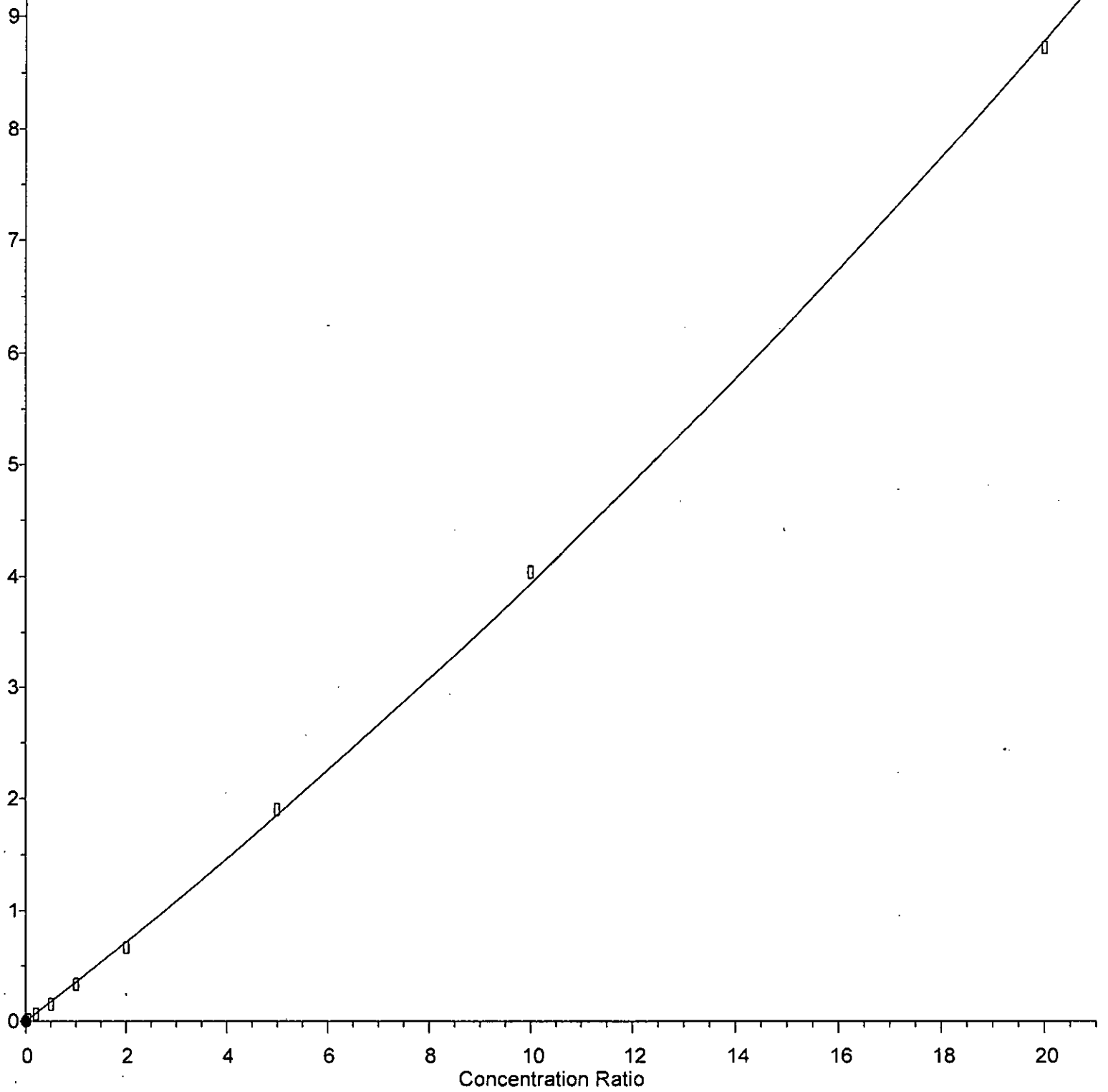
Response Ratio



$R = 1.206e-004 A^2 + 8.001e-001 A + 1.372e-003$
Coef of Det (r^2) = 0.999909 Curve Fit: Quadratic w(1/a)
Method Name: D:\Methods\Inst13\VB110522ms13.M
Calibration Table Last Updated: Mon Nov 07 15:16:10 2022

trans-1,3-Dichloropropene

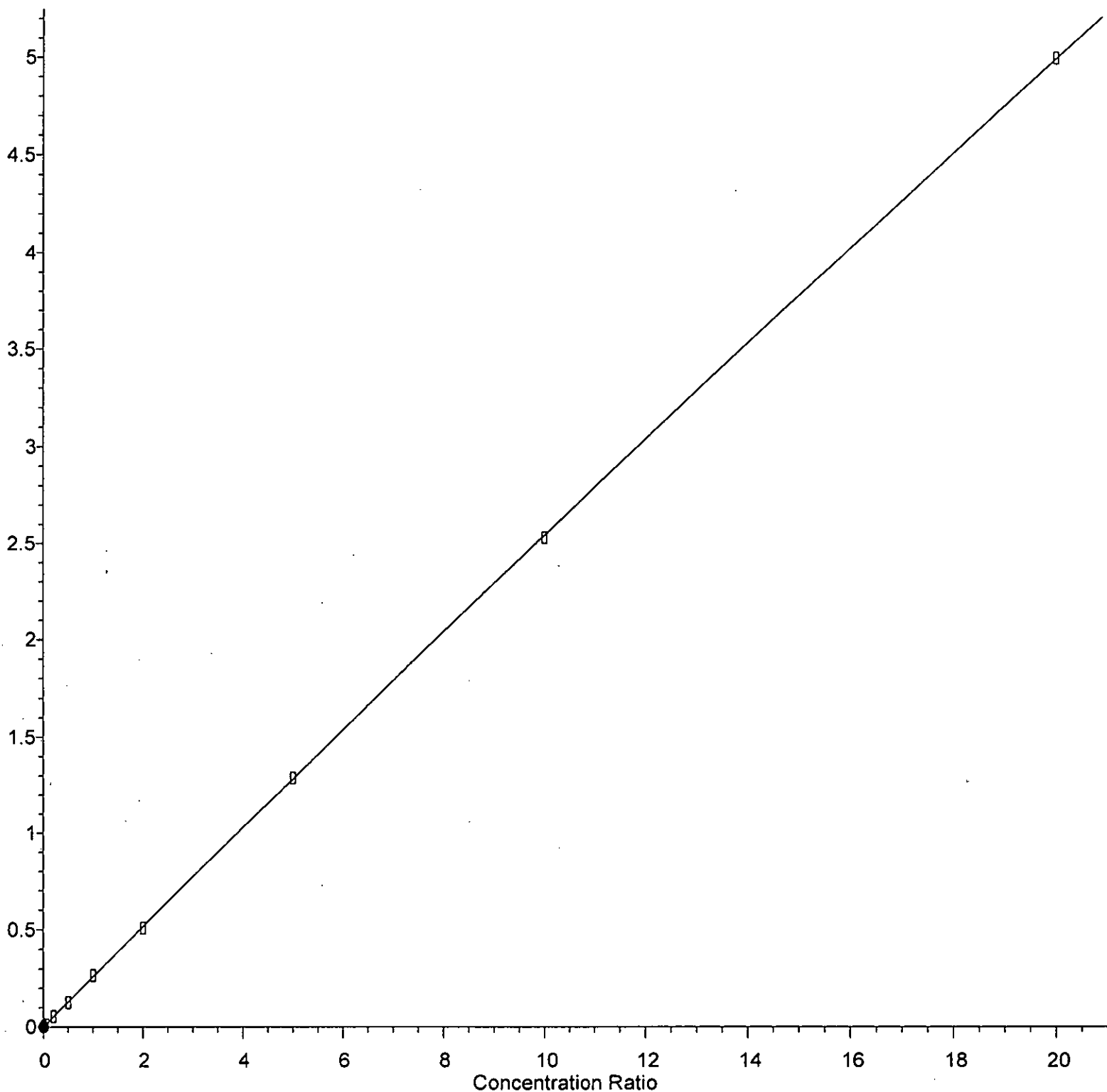
Response Ratio



$R = 4.600e-003 A^2 + 3.478e-001 A - 1.400e-004$
Coef of Det (r^2) = 0.999210 Curve Fit: Quadratic w(1/a)
Method Name: D:\Methods\Inst13\VB110522ms13.M
Calibration Table Last Updated: Mon Nov 07 15:16:10 2022

1,1,2-Trichloroethane

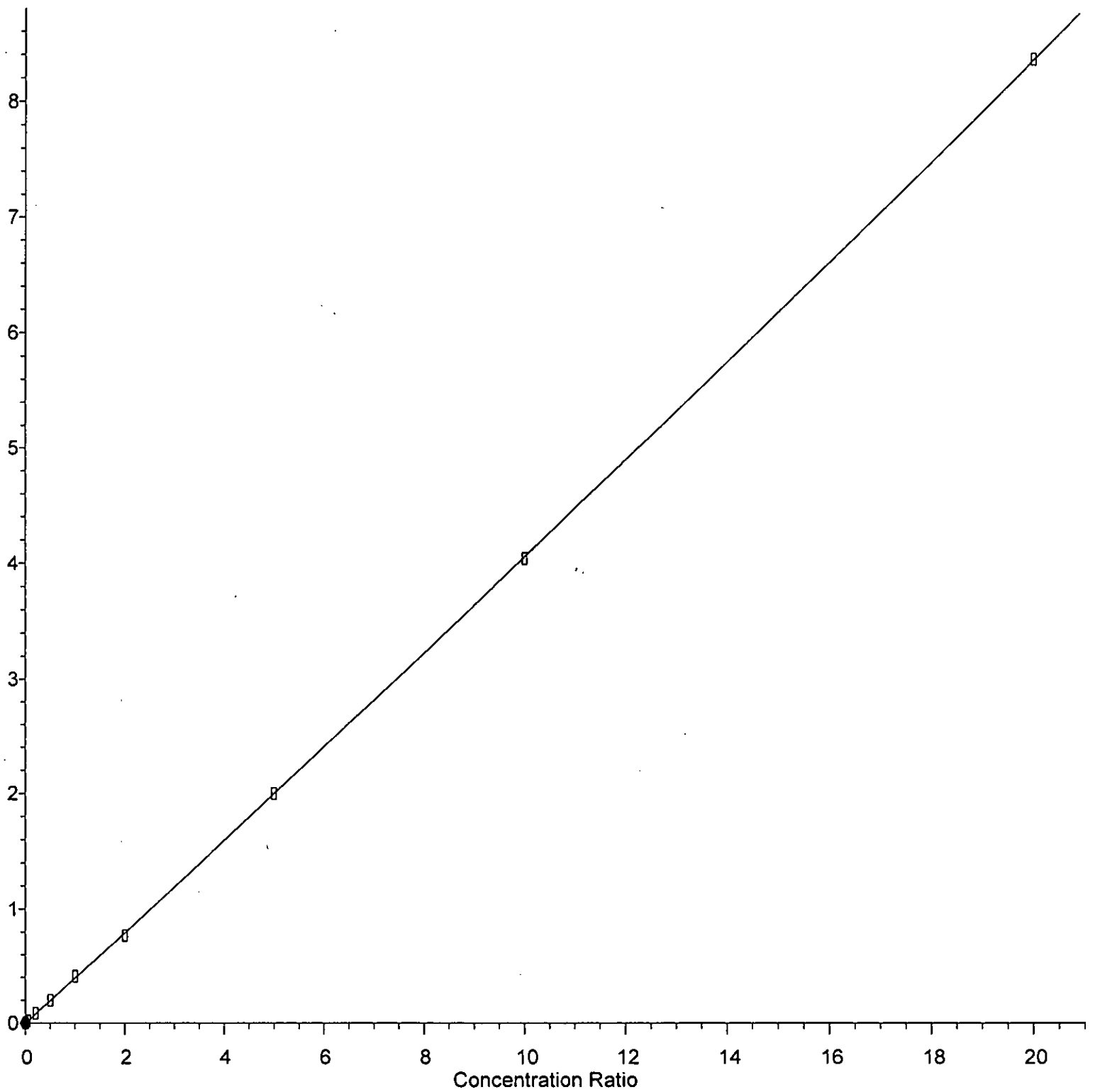
Response Ratio



$R = -4.579e-004 A^2 + 2.588e-001 A + 3.601e-004$
Coef of Det (r^2) = 0.999920 Curve Fit: Quadratic w(1/a)
Method Name: D:\Methods\Inst13\VB110522ms13.M
Calibration Table Last Updated: Mon Nov 07 15:16:10 2022

Tetrachloroethene

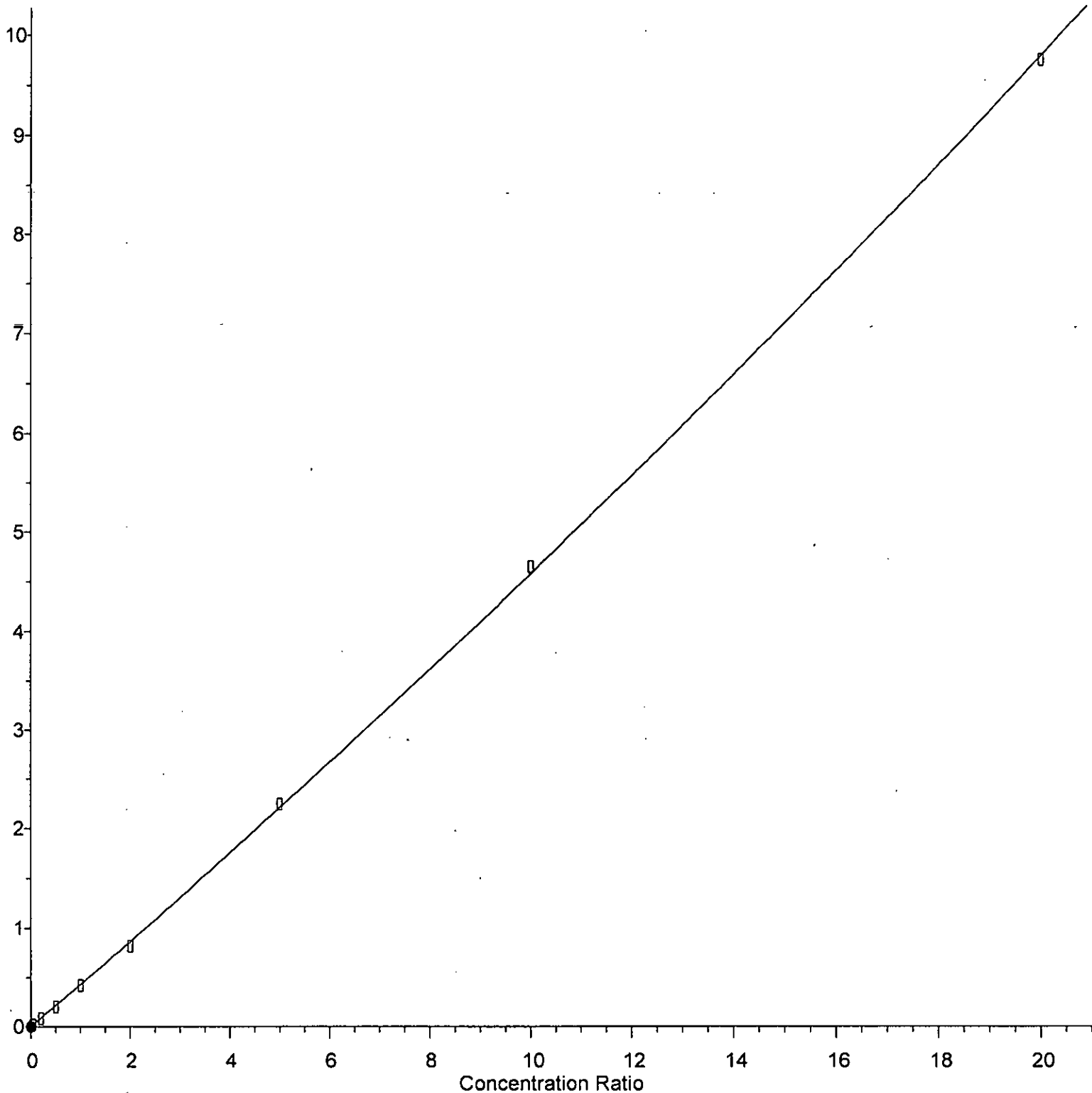
Response Ratio



$R = 1.268e-003 A^2 + 3.929e-001 A + 8.166e-004$
Coef of Det (r^2) = 0.999873 Curve Fit: Quadratic w(1/a)
Method Name: D:\Methods\Inst13\VB110522ms13.M
Calibration Table Last Updated: Mon Nov 07 15:16:10 2022

Dibromochloromethane

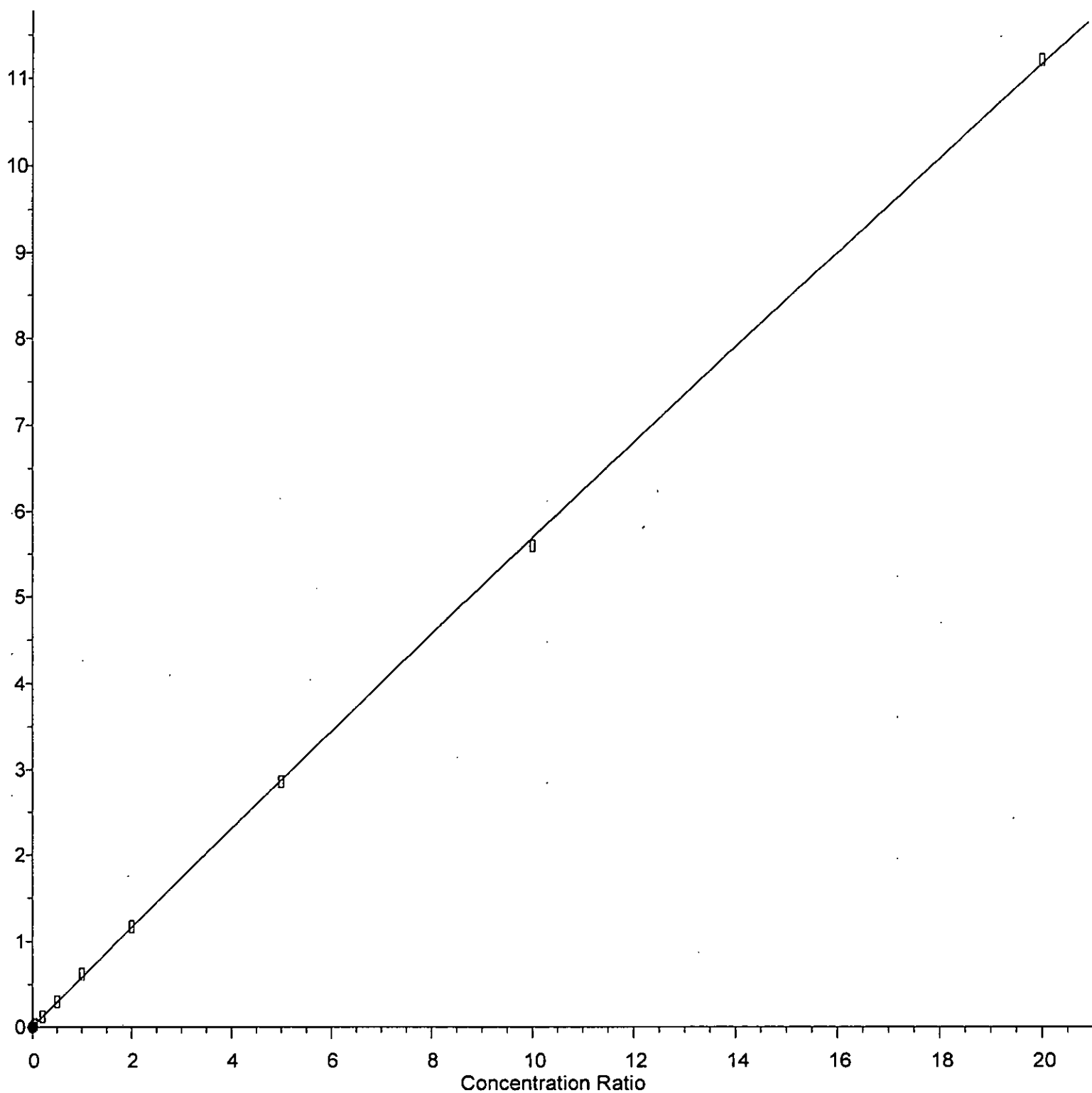
Response Ratio



$R = 3.269e-003 A^2 + 4.257e-001 A + 1.234e-003$
Coef of Det (r^2) = 0.999691 Curve Fit: Quadratic w(1/a)
Method Name: D:\Methods\Inst13\VB110522ms13.M
Calibration Table Last Updated: Mon Nov 07 15:16:10 2022

1,1,2,2-Tetrachloroethane

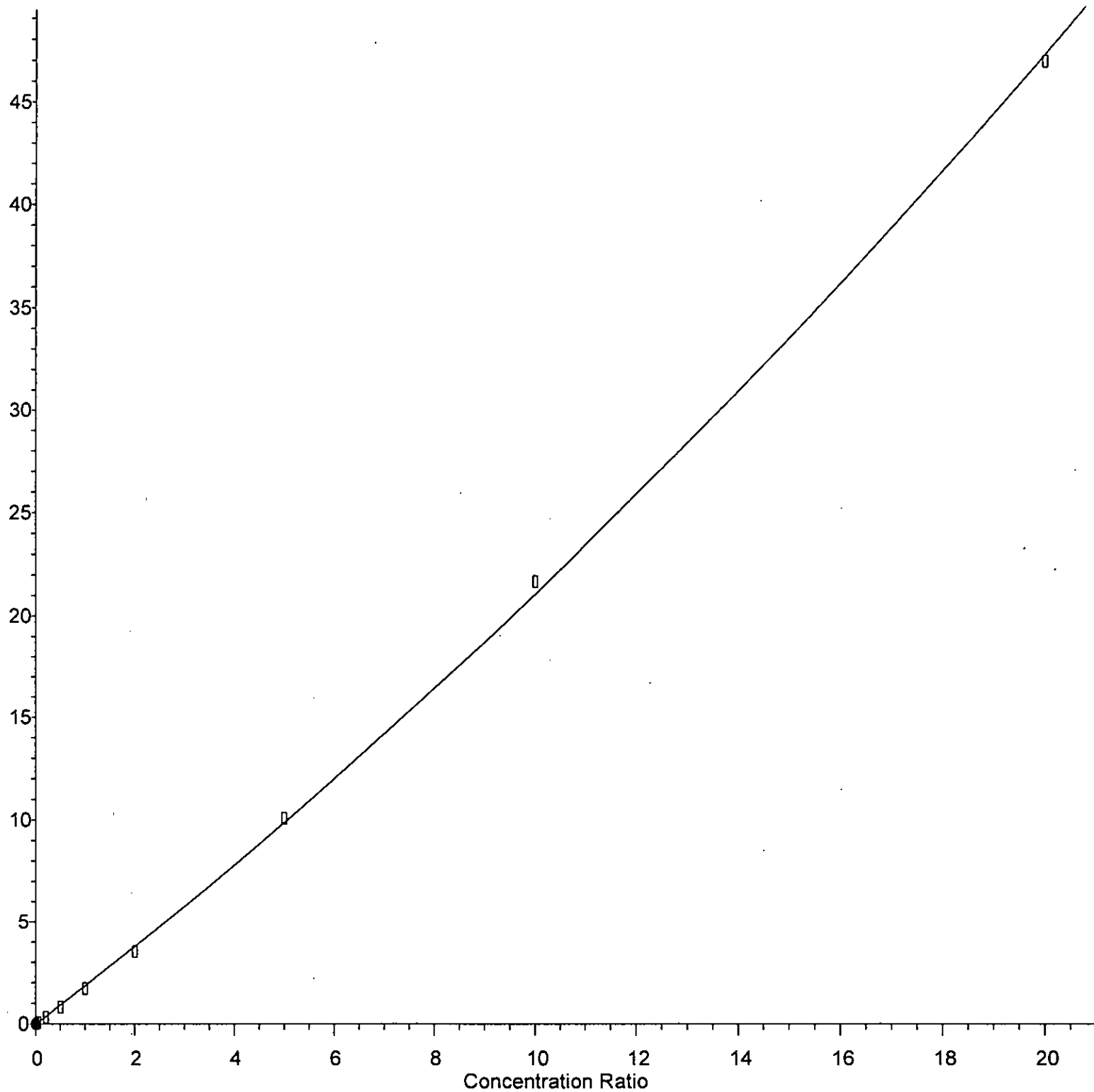
Response Ratio



$R = -1.016e-003 A^2 + 5.790e-001 A + 5.837e-003$
Coef of Det (r^2) = 0.999756 Curve Fit: Quadratic w(1/a)
Method Name: D:\Methods\Inst13\VB110522ms13.M
Calibration Table Last Updated: Mon Nov 07 15:16:10 2022

Naphthalene

Response Ratio



$R = 2.615e-002 A^2 + 1.847e+000 A - 1.442e-002$
Coef of Det (r^2) = 0.999269 Curve Fit: Quadratic w(1/a)
Method Name: D:\Methods\Inst13\VB110522ms13.M
Calibration Table Last Updated: Mon Nov 07 15:16:10 2022

GC/MS ICAL Checklist

Instrument: GC/MS 13

Sequence Date: 1.05.22 / 11.07.22 Shift # 1

Item	Initial	Date
Shift and Batch		
Initial Calibration Analyzed, Evaluated and Passed	✓ <i>WY</i>	11.07.22
2nd source passed	✓	|
Analyte retention time checked	✓	|
Tune passed	✓	|
Non-Conformance Report filled out (if needed)	NA	|

Notes: *toluene failed high in SCV 18150 ppb but*
SCV analyzed on 11.07.22 used prep vials
WY 11.07.22

Attach this sheet to raw data package.

YA 11/14/22
 Supervisor Initials and Date

GC/MS QA-QC Check Report

Tune File : D:\Proc_GCMS13\11-05-22\110503.D

Tune Time : 05 Nov 2022 10:22 am

Daily Calibration File : D:\Proc_GCMS13\11-05-22\110514.D

(DMF) (DHL) (TOL) (BFB)

104308

87057

51133

File	Sample	Surrogate Recovery %				Internal Standard Responses		
110506.D	0.02 ppb 8	101	100	99	104	110742	89451	50648
110507.D	0.04 ppb 8	95	104	99	106	111750	92506	50709
110508.D	0.1 ppb 82	102	104	100	105	109470	90583	50314
110509.D	0.2 ppb 8	101	104	97	105	108326	89660	50001
110510.D	0.5 ppb 82	101	95	96	100	111564	90038	50622
110511.D	1 ppb 8260	99	102	101	99	110201	89750	52061
110512.D	2 ppb 8260	100	99	100	98	108368	87014	51026
110513.D	5 ppb 8260	97	97	99	100	109707	88629	50120
110514.D	10 ppb 826	100	105	102	100	104308	87057	51133
110515.D	20 ppb 826	100	97	101	96	105008	89462	52775
110516.D	50 ppb 826	101	94	100	95	104359	89151	54409
110517.D	100 ppb 82	101	98	103	96	105192	89610	53646
110518.D	150 ppb 82	98	100	102	95	106741	92515	56204
110519.D	200 ppb 82	102	103	102	94	105227	91763	54540

(fails) - fails 12hr time check * - fails criteria

Created: Mon Nov 07 15:53:07 2022 GCMS13

GC/MS QA-QC Check Report

Tune File : D:\Proc_GCMS13\11-07-22\110706.D

Tune Time : 07 Nov 2022 10:34 am

Daily Calibration File : D:\Proc_GCMS13\11-07-22\110706.D

(DMF) (DHL) (TOL) (BFB)

107809 88712 52143

File Sample Surrogate Recovery % Internal Standard Responses

=====

110706.D	10 ppb	826	101	103	101	98	107809	88712	52143
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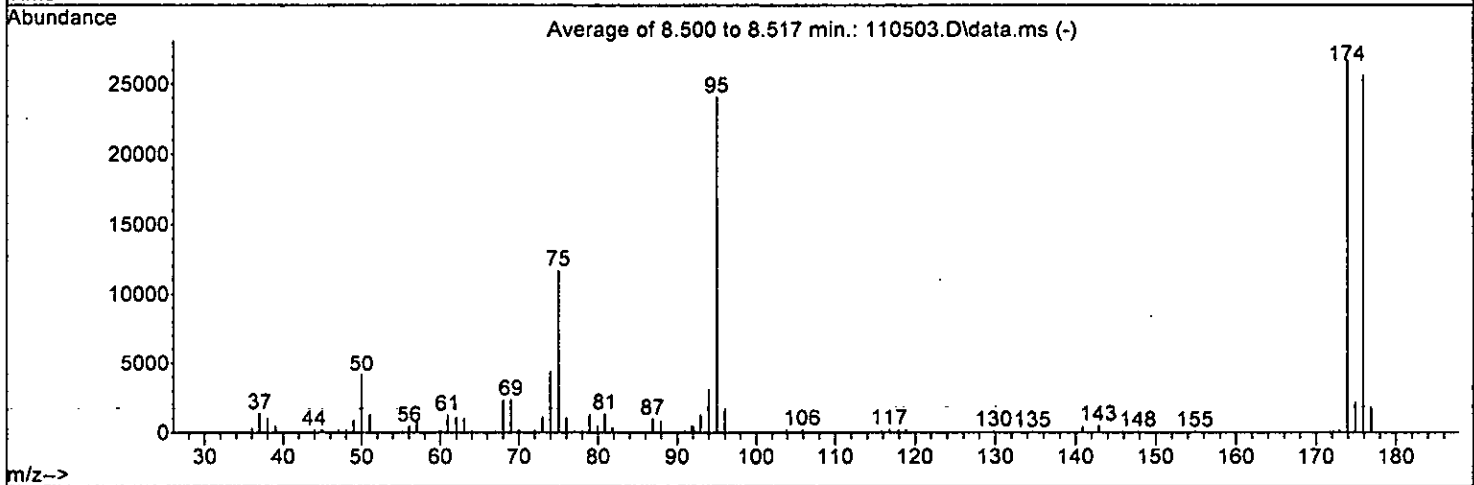
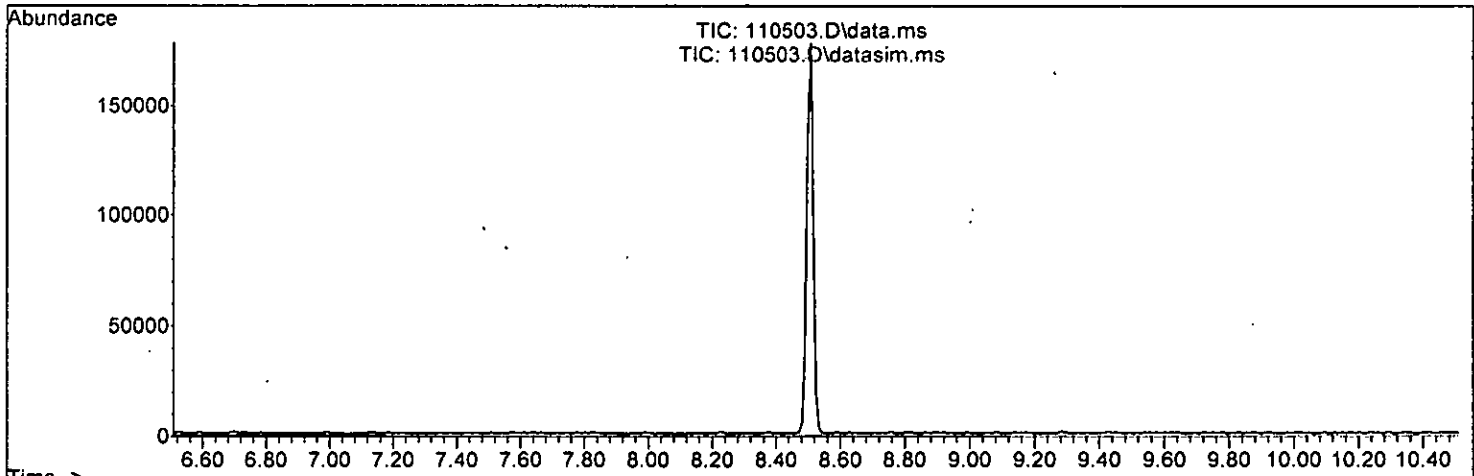
(fails) - fails 12hr time check * - fails criteria

Created: Mon Nov 07 15:51:48 2022 GCMS13

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110503.D
 Acq On : 05 Nov 2022 10:22 am
 Operator : VM
 Sample : 50 ng BFB 67-152A
 Misc : water
 ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: LSCINT.P
 Integration File signal 2: rteint2.p

Method : D:\Methods\Inst13\VB110522ms13.M
 Title : 8260 Purge & Trap Volatiles Dual Acquisition
 Last Update : Mon Nov 07 10:10:04 2022



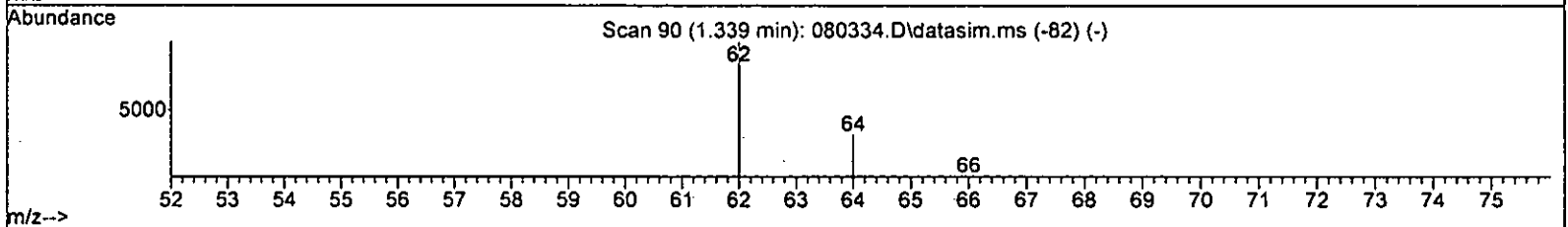
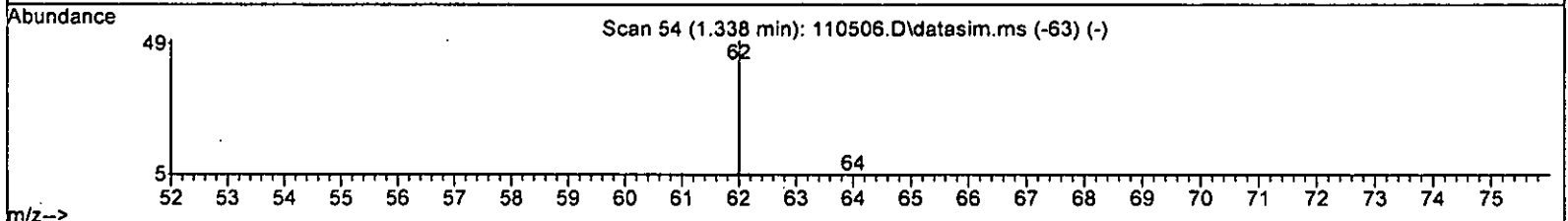
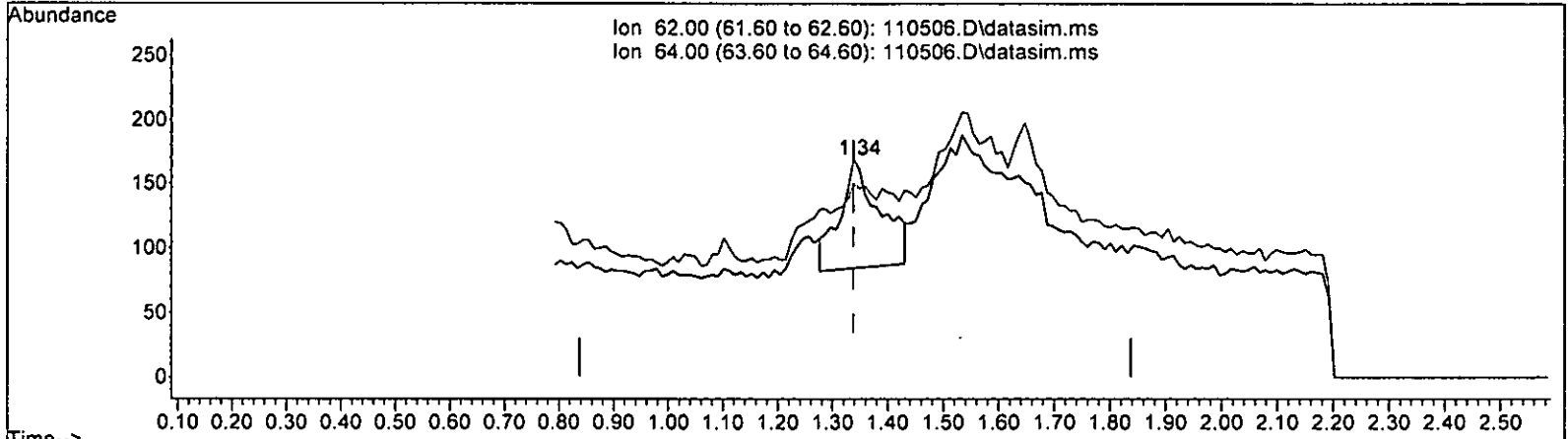
AutoFind: Scans 715, 716, 717; Background Corrected with Scan 709

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
95	174	50	200	90.0	24071	PASS
96	95	5	9	6.7	1621	PASS
173	174	0.00	2	0.6	157	PASS
174	95	50	200	111.1	26747	PASS
175	174	5	9	8.0	2142	PASS
176	174	95	105	95.8	25611	PASS
177	176	5	10	6.9	1773	PASS

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110506.D
 Acq On : 05 Nov 2022 11:34 am
 Operator : VM
 Sample : 0.02 ppb 8260 ICAL 67-177F
 Misc : soil/water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:09 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110506.D\data.ms

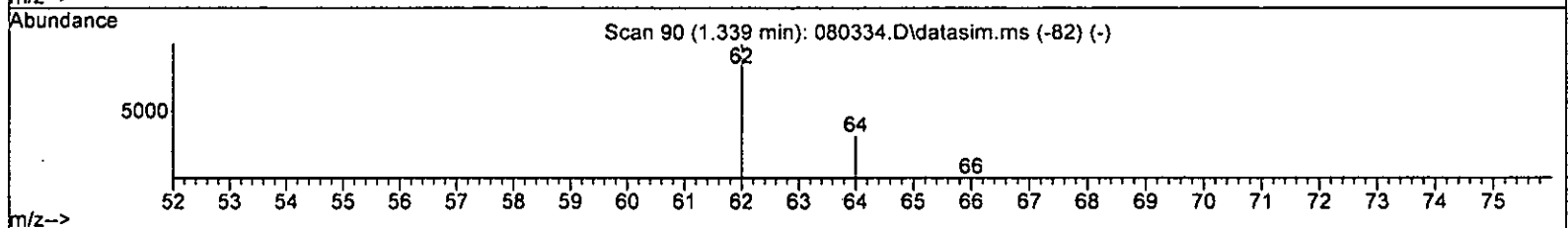
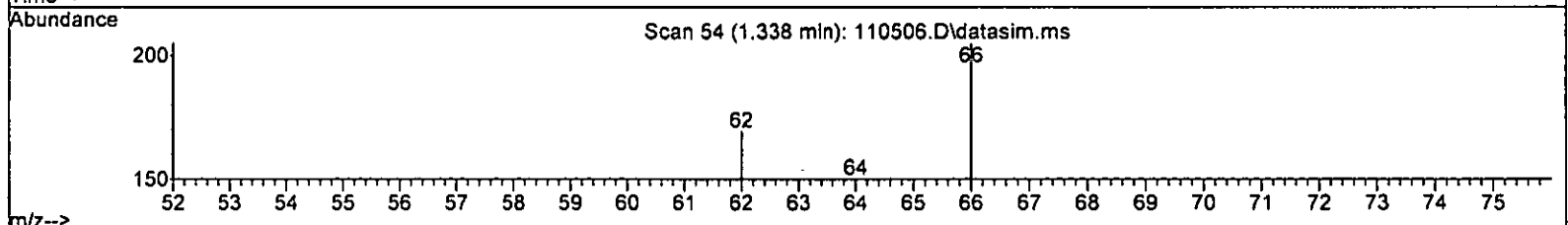
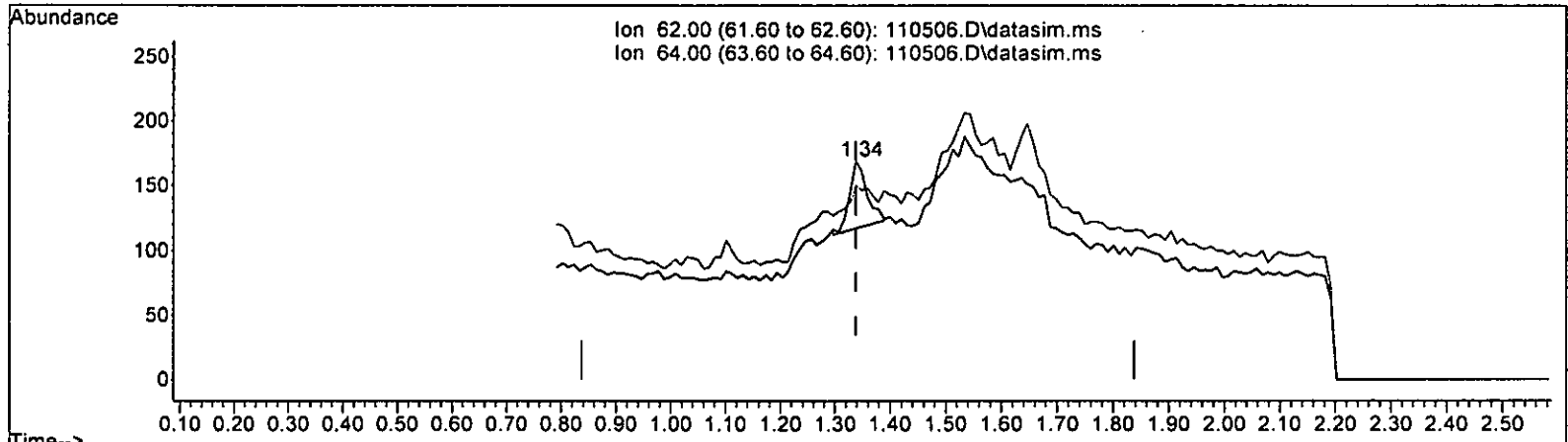
(6) Vinyl chloride (TMP)
 1.338min (-0.000) 0.075 ppb
 response 423

Ion	Exp%	Act%
62.00	100.00	100.00
64.00	34.40	32.26
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110506.D
 Acq On : 05 Nov 2022 11:34 am
 Operator : VM
 Sample : 0.02 ppb 8260 ICAL 67-177F
 Misc : soil/water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:09 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110506.D\data.ms

(6) Vinyl chloride (TMP)

1.338min (-0.000) 0.020 ppb m

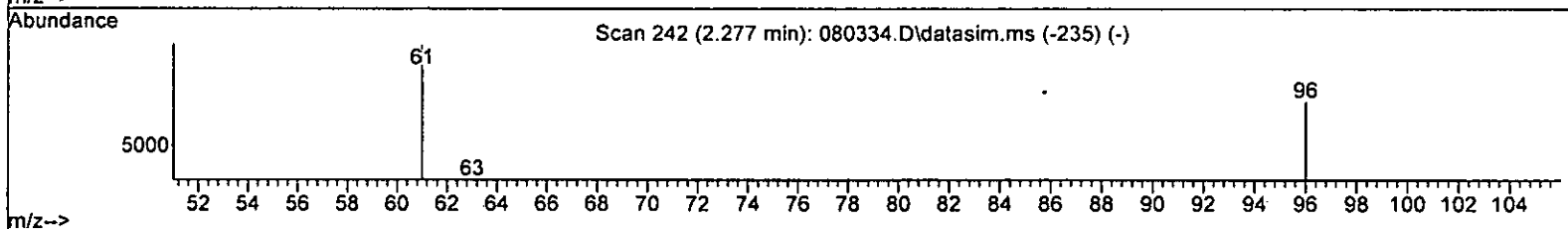
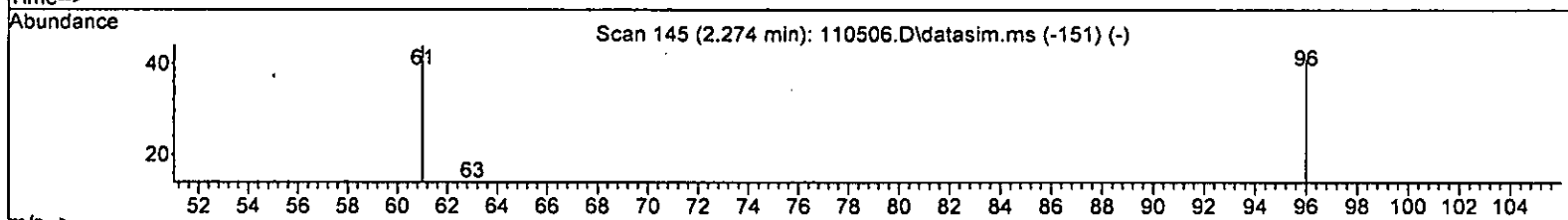
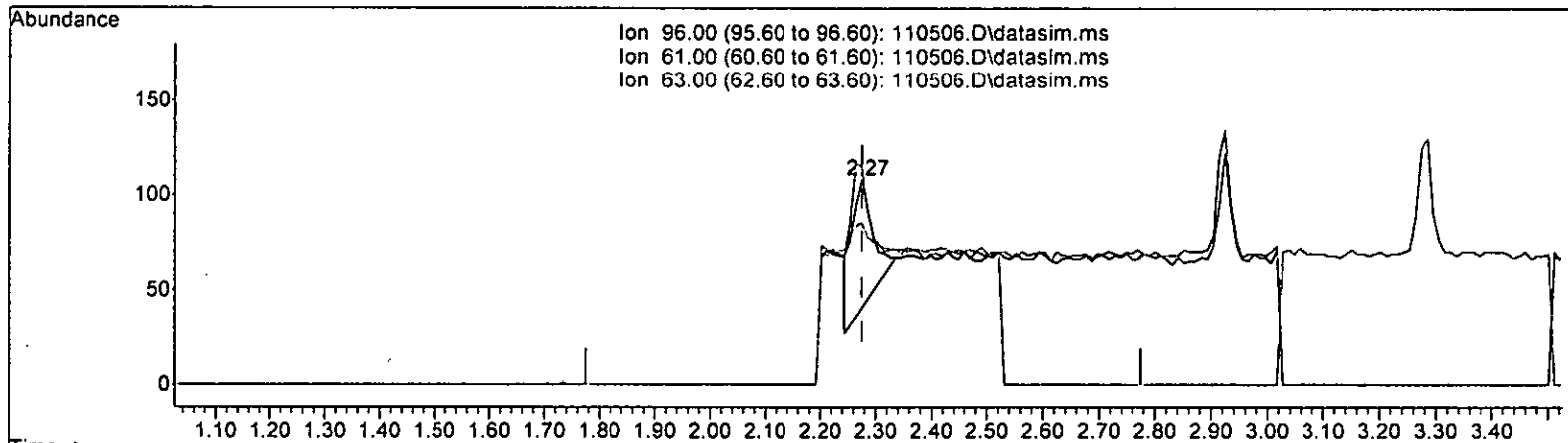
response 115

Ion	Exp%	Act%
62.00	100.00	100.00
64.00	34.40	88.76#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110506.D
 Acq On : 05 Nov 2022 11:34 am
 Operator : VM
 Sample : 0.02 ppb 8260 ICAL 67-177F
 Misc : soil/water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:09 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



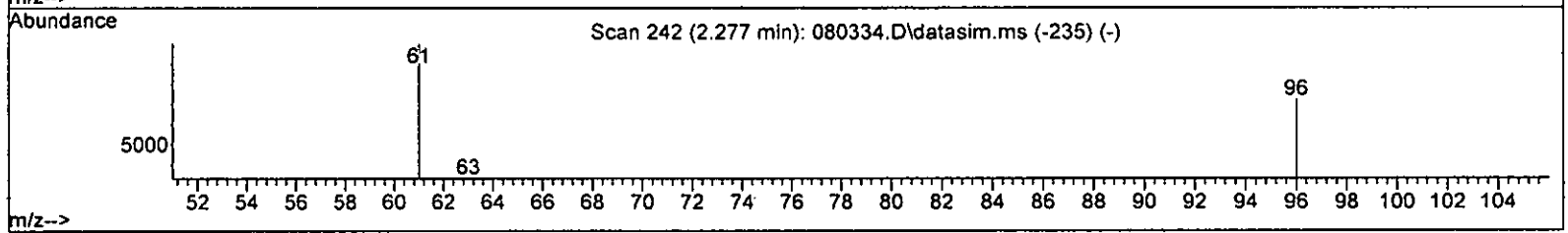
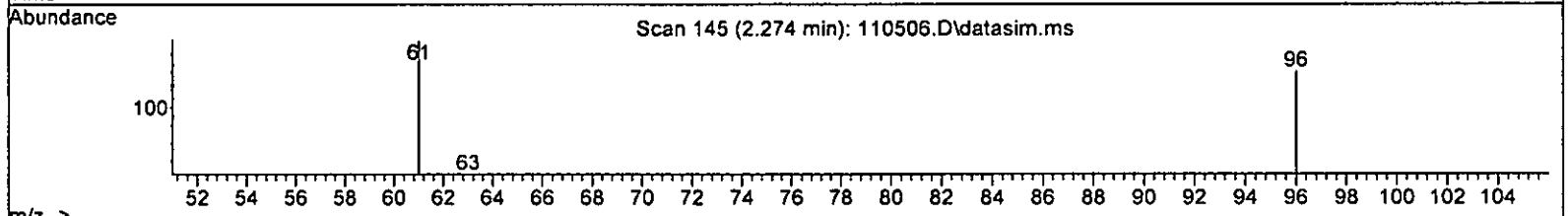
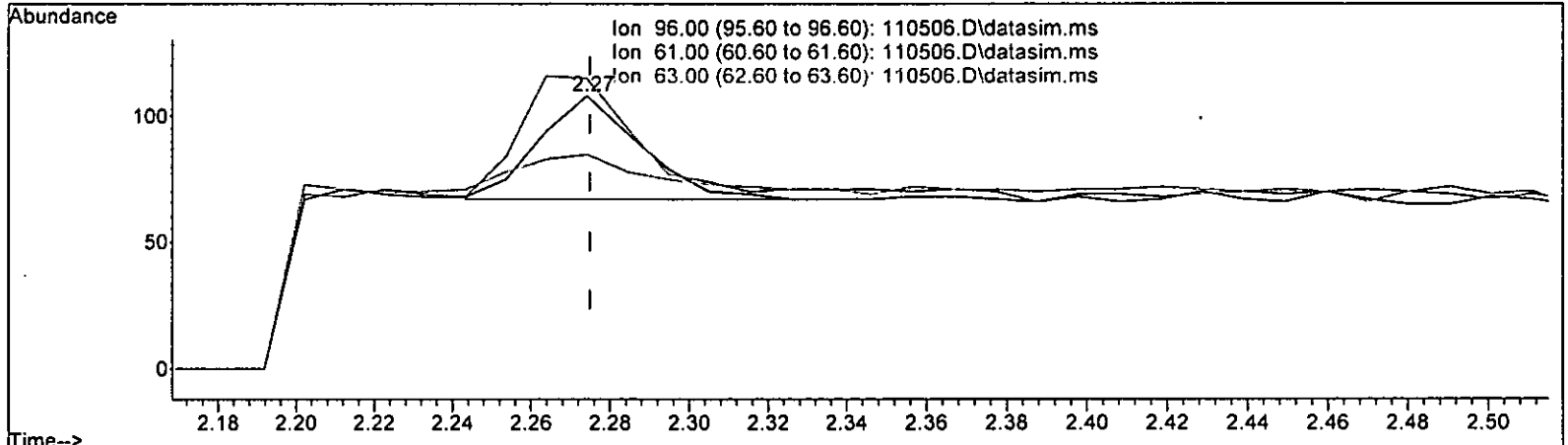
TIC: 110506.D\data.ms

(12)	1,1-Dichloroethene (TMP)	
2.274min (-0.001)	0.059 ppb	
response	185	
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	120.90	114.63
63.00	43.90	34.15
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110506.D
 Acq On : 05 Nov 2022 11:34 am
 Operator : VM
 Sample : 0.02 ppb 8260 ICAL 67-177F
 Misc : soil/water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:09 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110506.D\data.ms

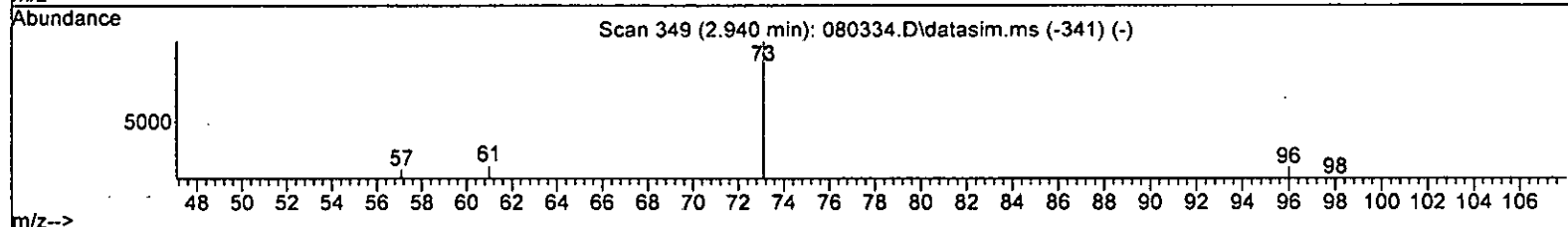
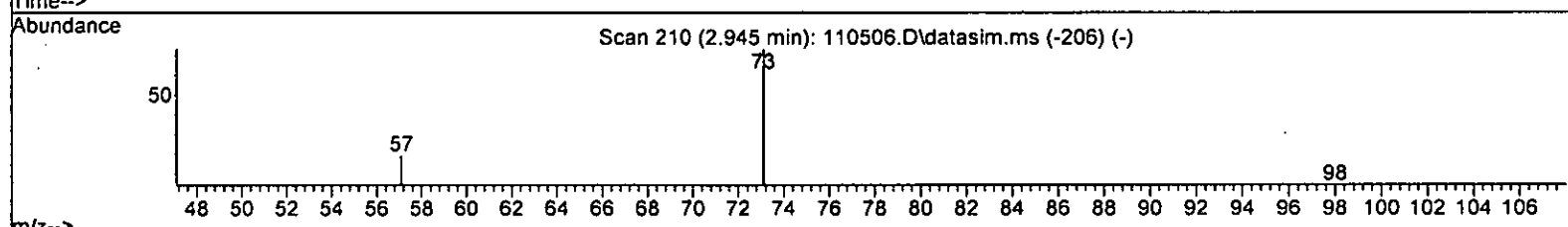
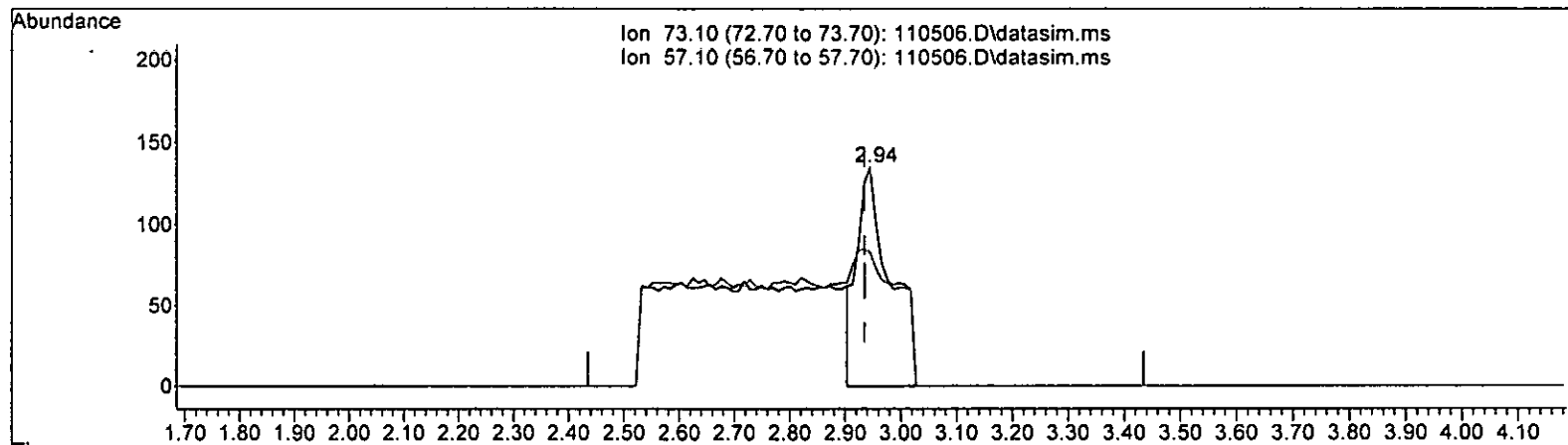
(12) 1,1-Dichloroethene (TMP)
 2.274min (-0.001) 0.023 ppb m

response	74	
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	120.90	106.48
63.00	43.90	78.70#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110506.D
 Acq On : 05 Nov 2022 11:34 am
 Operator : VM
 Sample : 0.02 ppb 8260 ICAL 67-177F
 Misc : soil/water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:09 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110506.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

2.945min (+ 0.010) 0.075 ppb

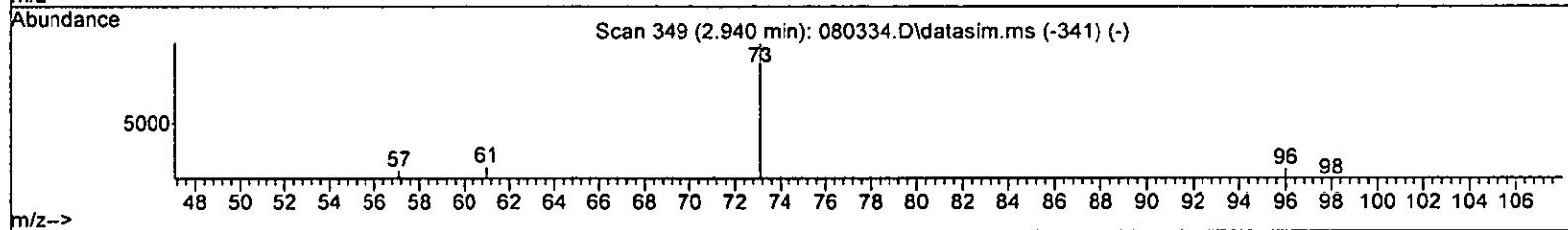
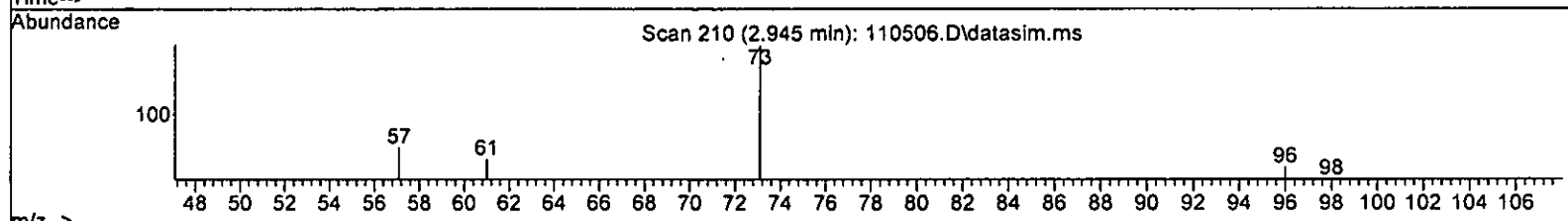
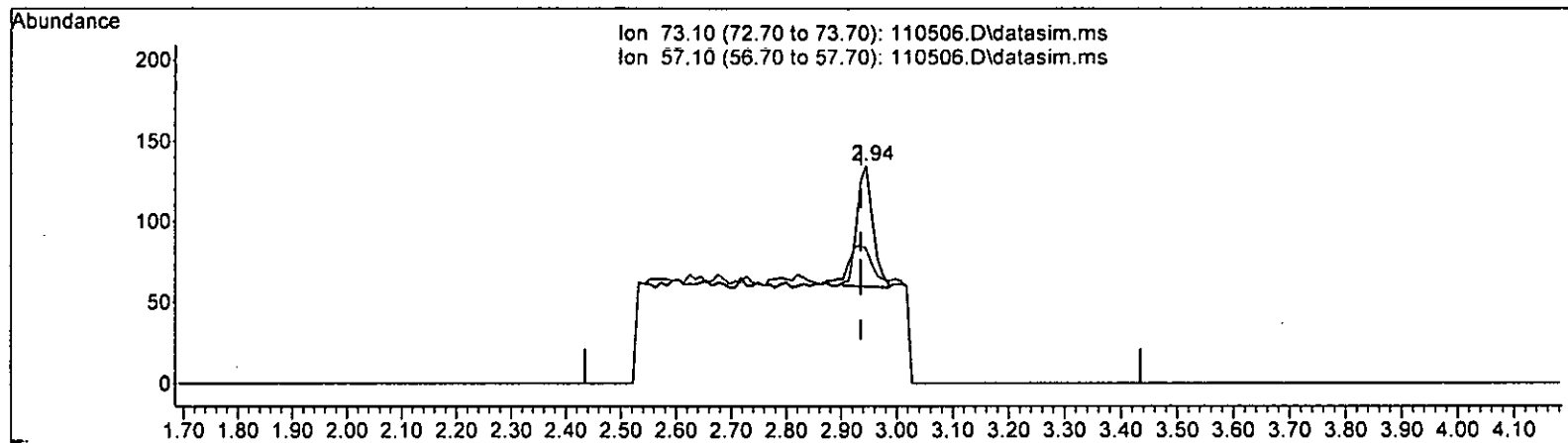
response 555

Ion	Exp%	Act%
73.10	100.00	100.00
57.10	19.40	61.48#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110506.D
 Acq On : 05 Nov 2022 11:34 am
 Operator : VM
 Sample : 0.02 ppb 8260 ICAL 67-177F
 Misc : soil/water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:09 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110506.D\data.ms

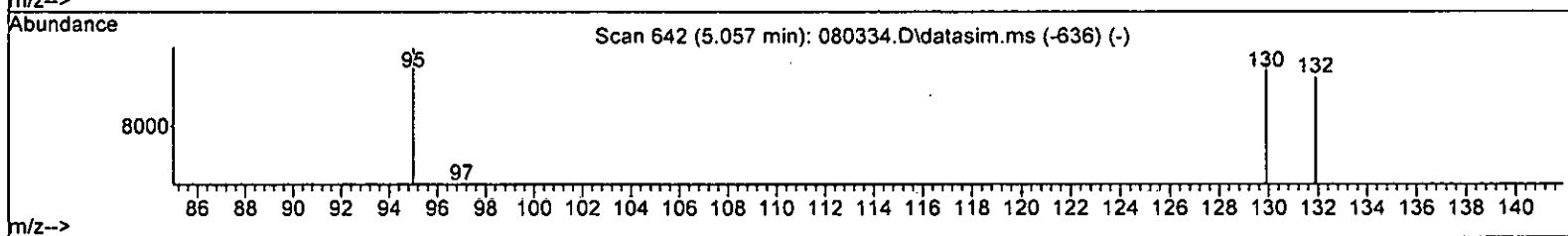
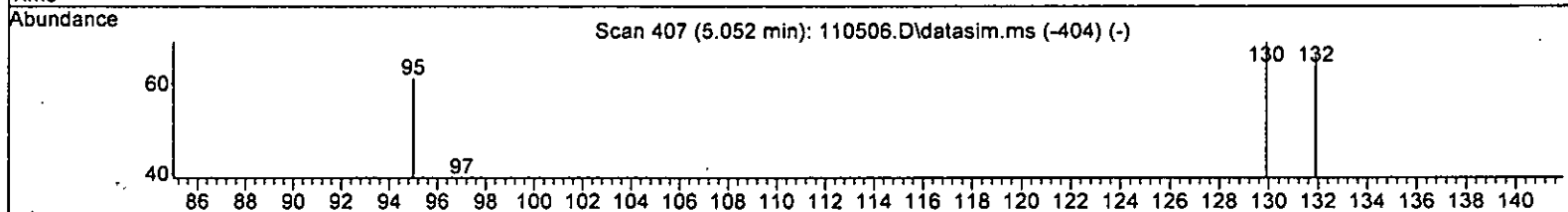
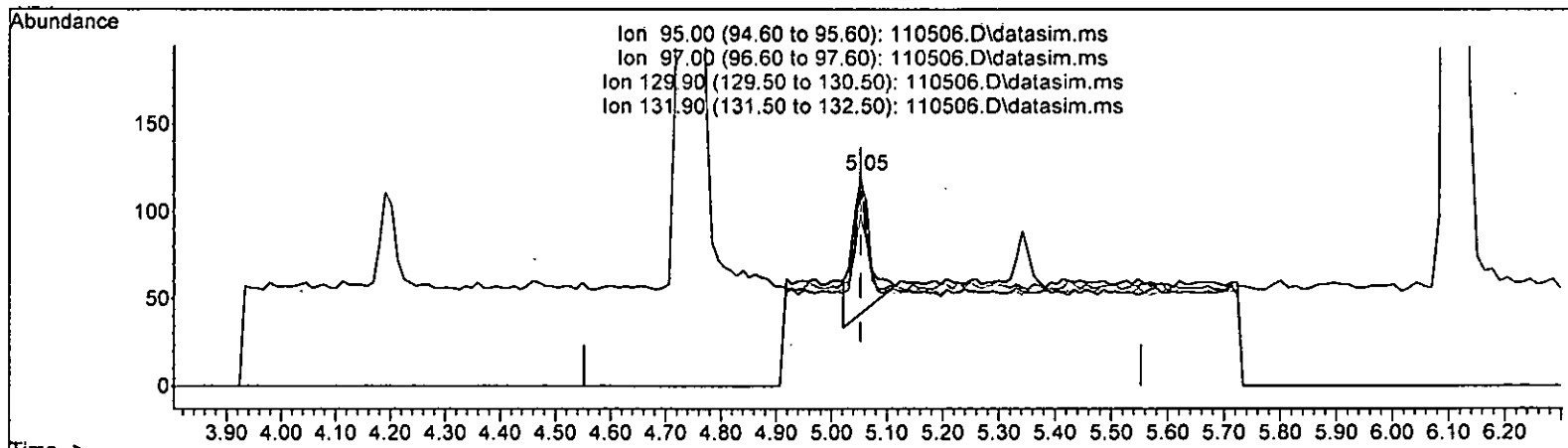
(16) Methyl t-butyl ether (MTBE) (TMP)
 2.945min (+ 0.010) 0.020 ppb m
 response 147

Ion	Exp%	Act%
73.10	100.00	100.00
57.10	19.40	61.48#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110506.D
 Acq On : 05 Nov 2022 11:34 am
 Operator : VM
 Sample : 0.02 ppb 8260 ICAL 67-177F
 Misc : soil/water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:09 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110506.D\data.ms

(32) Trichloroethene (TME)

5.052min (-0.001) 0.041 ppb

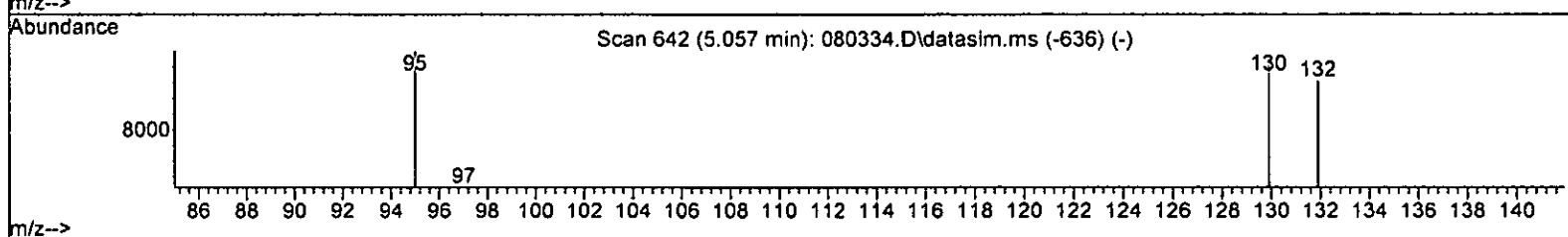
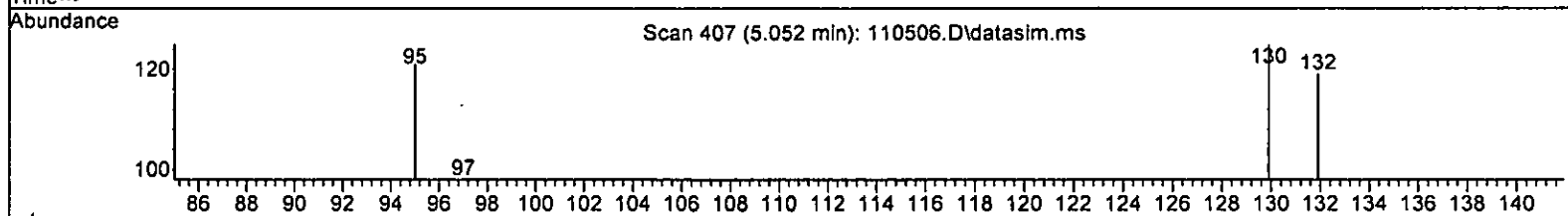
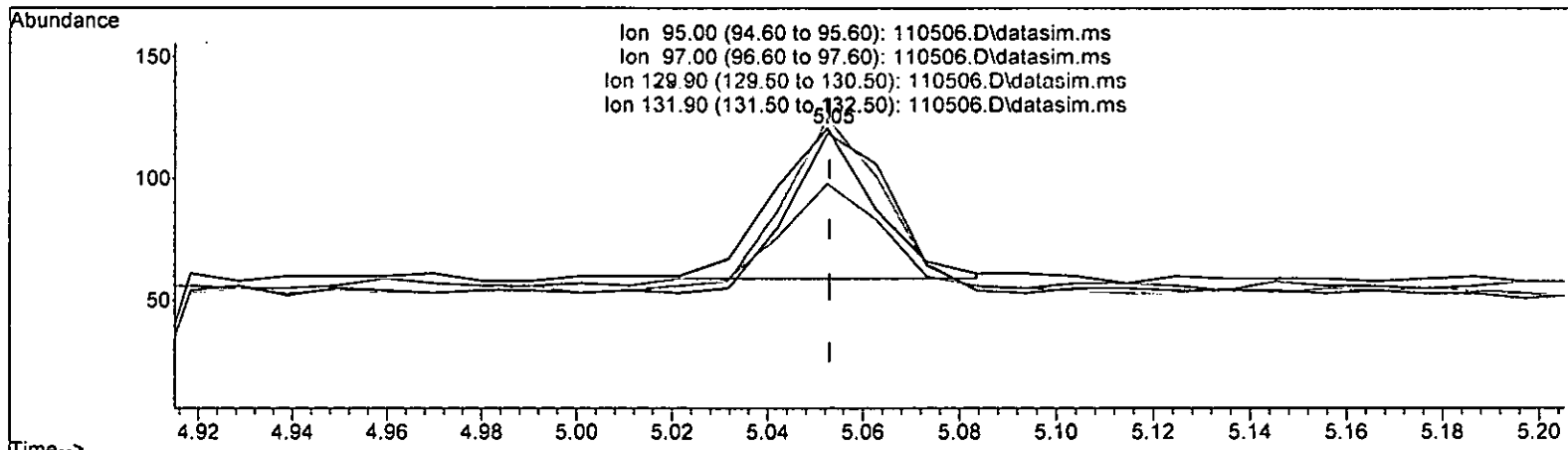
response 168

Ion	Exp%	Act%
95.00	100.00	100.00
97.00	64.60	64.06
129.90	103.40	112.50
131.90	95.80	103.13

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110506.D
 Acq On : 05 Nov 2022 11:34 am
 Operator : VM
 Sample : 0.02 ppb 8260 ICAL 67-177F
 Misc : soil/water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:09 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110506.D\data.ms

(32) Trichloroethene (TMP)

5.052min (-0.001) 0.022 ppb m

response	90
Ion	Exp% Act%
95.00	100.00 100.00
97.00	64.60 80.99
129.90	103.40 103.31
131.90	95.80 98.35

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110506.D
 Acq On : 05 Nov 2022 11:34 am
 Operator : VM
 Sample : 0.02 ppb 8260 ICAL 67-177F
 Misc : soil/water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:09 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	4.75	96	110742	10.000	ppb	0.00	
39) Chlorobenzene-d5	7.40	117	89451	10.000	ppb	0.00	
56) 1,4-Dichlorobenzene-d4	9.62	152	50648	10.000	ppb	0.00	
System Monitoring Compounds							
3) Dibromofluoromethane	4.17	113	35797	10.080	ppb	0.00	
Spiked Amount	10.000	Range 50 - 150	Recovery	=	100.80%		
30) 1,2-Dichloroethane-d4	4.45	102	6904	10.031	ppb	0.00	
Spiked Amount	10.000	Range 84 - 120	Recovery	=	100.30%		
35) Toluene-d8	6.11	98	104736	9.917	ppb	0.00	
Spiked Amount	10.000	Range 73 - 128	Recovery	=	99.20%		
57) 4-Bromofluorobenzene	8.51	95	36207	10.375	ppb	0.00	
Spiked Amount	10.000	Range 57 - 146	Recovery	=	103.70%		
Target Compounds							
							Qvalue
2) Ethanol	2.34	45	525	No Calib			
4) Dichlorodifluoromethane	0.00		0	N.D.	d		
5) Chloromethane	0.00		0	N.D.	d		
6] Vinyl chloride	1.34	62	115m	0.020	ppb		
7) Bromomethane	0.00		0	N.D.			
8) Chloroethane	0.00		0	N.D.	d		
9) Trichlorofluoromethane	0.00		0	N.D.	d		
10) 2-Propanol	0.00		0	N.D.	d		
11) Acetone	0.00		0	N.D.	d		
12] 1,1-Dichloroethene	2.27	96	74m	0.023	ppb		
13) Hexane	0.00		0	N.D.	d		
14) Methylene chloride	0.00		0	N.D.	d		
15) t-Butyl alcohol (TBA)	0.00		0	N.D.			
16] Methyl t-butyl ether (...)	2.94	73	147m	0.020	ppb		
17] trans-1,2-Dichloroethene	2.92	96	81	0.023	ppb		97
18) Diisopropyl ether (DIPE)	0.00		0	N.D.	d		
19] 1,1-Dichloroethane	3.28	63	109	0.021	ppb		94
20) Ethyl t-butyl ether (E...)	0.00		0	N.D.			
21) 2,2-Dichloropropane	0.00		0	N.D.	d		
22] cis-1,2-Dichloroethene	3.77	96	83	0.022	ppb		84
23) Chloroform	0.00		0	N.D.	d		
24) 2-Butanone (MEK)	0.00		0	N.D.	d		
25) t-Amyl methyl ether (T...)	0.00		0	N.D.	d		
26) 1,2-Dichloroethane (EDC)	0.00		0	N.D.	d		
27] 1,1,1-Trichloroethane	4.19	97	117	0.022	ppb		93
28) 1,1-Dichloropropene	0.00		0	N.D.			
29) Carbon tetrachloride	0.00		0	N.D.			
31] Benzene	4.50	78	275	0.022	ppb		92
32] Trichloroethene	5.05	95	90m	0.022	ppb		
33) 1,2-Dichloropropane	0.00		0	N.D.	d		
34) Bromodichloromethane	0.00		0	N.D.	d		
36) Dibromomethane	0.00		0	N.D.			

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110506.D
 Acq On : 05 Nov 2022 11:34 am
 Operator : VM
 Sample : 0.02 ppb 8260 ICAL 67-177F
 Misc : soil/water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS13

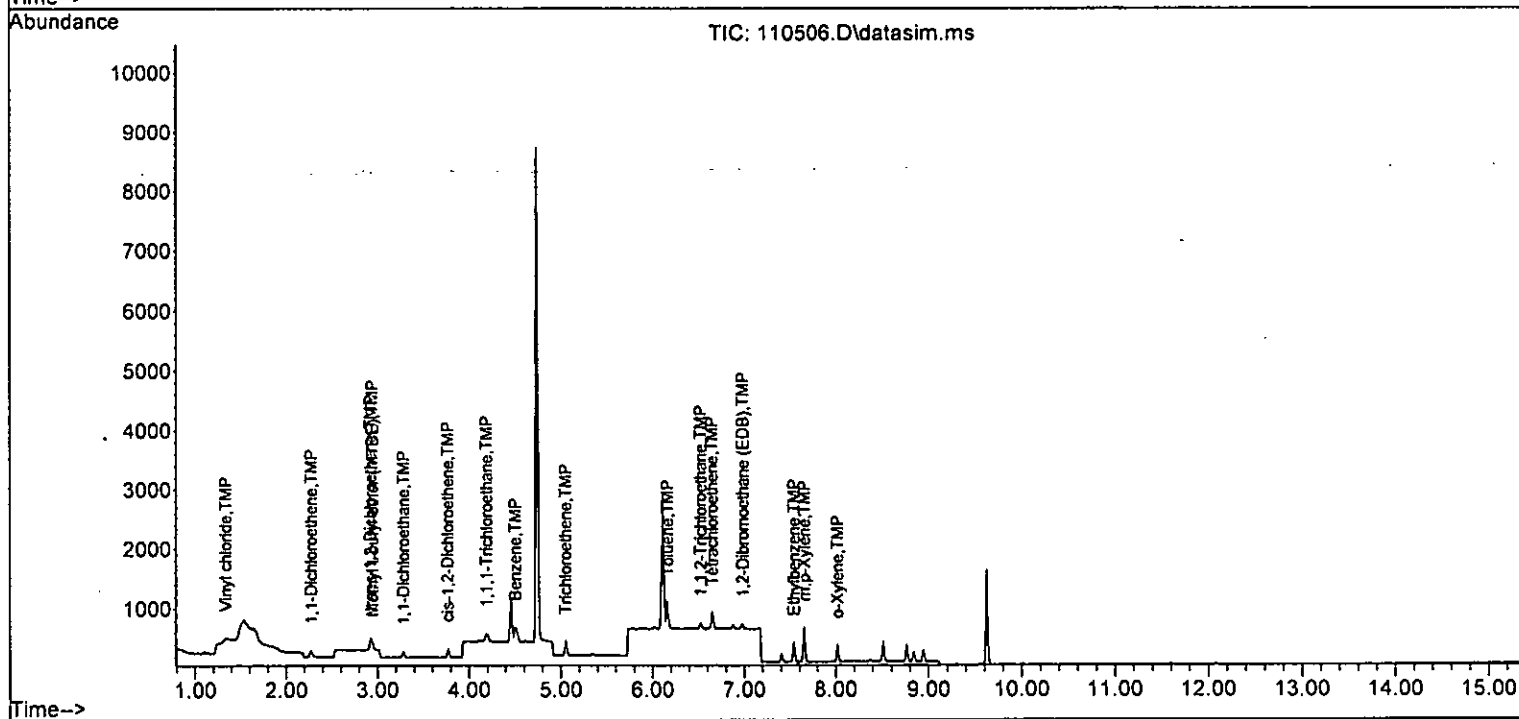
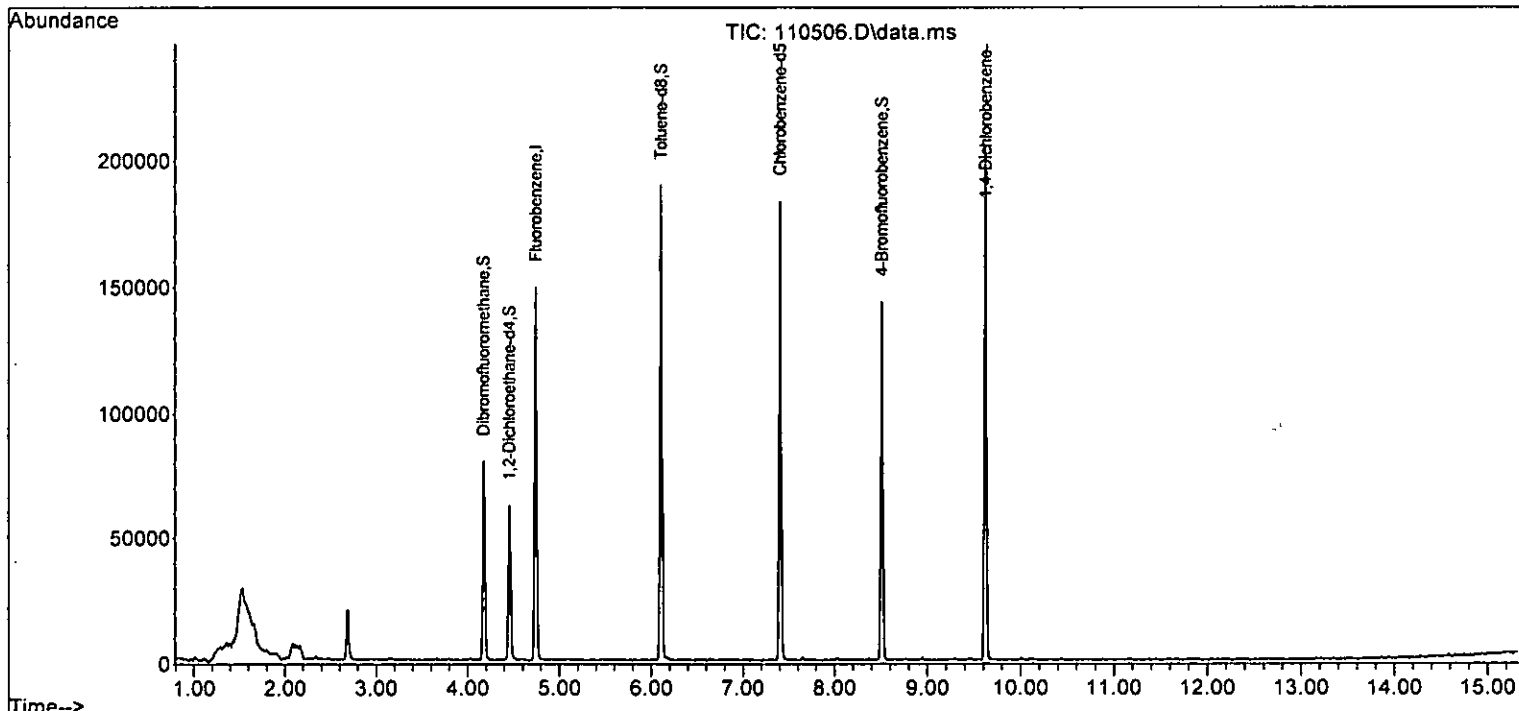
Quant Time: Nov 07 15:17:09 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.00		0	N.D.		
38) cis-1,3-Dichloropropene	0.00		0	N.D.	d	
40] Toluene	6.16	92	225	0.014	ppb	97
41) trans-1,3-Dichloropropene	0.00		0	N.D.		
42] 1,1,2-Trichloroethane	6.53	83	72	0.017	ppb	91
43) 2-Hexanone	0.00		0	N.D.	d	
44) 1,3-Dichloropropane	0.00		0	N.D.		
45] Tetrachloroethene	6.65	164	132	0.017	ppb	91
46) Dibromochloromethane	0.00		0	N.D.		
47] 1,2-Dibromoethane (EDB)	6.98	107	81	0.025	ppb	98
48) Chlorobenzene	0.00		0	N.D.	d	
49] Ethylbenzene	7.54	91	342	0.025	ppb	93
50) 1,1,1,2-Tetrachloroethane	7.52	131	26	N.D.		
51] m,p-Xylene	7.65	106	277	0.051	ppb	90
52] o-Xylene	8.02	106	128	0.024	ppb	84
53) Styrene	0.00		0	N.D.	d	
54) Isopropylbenzene	0.00		0	N.D.	d	
55) Bromoform	0.00		0	N.D.	d	
58) n-Propylbenzene	0.00		0	N.D.	d	
59) Bromobenzene	0.00		0	N.D.	d	
60) 1,3,5-Trimethylbenzene	0.00		0	N.D.	d	
61) 1,1,2,2-Tetrachloroethane	0.00		0	N.D.	d	
62) 1,2,3-Trichloropropane	0.00		0	N.D.	d	
63) 2-Chlorotoluene	0.00		0	N.D.	d	
64) 4-Chlorotoluene	0.00		0	N.D.	d	
65) tert-Butylbenzene	0.00		0	N.D.	d	
66) 1,2,4-Trimethylbenzene	0.00		0	N.D.	d	
67) sec-Butylbenzene	0.00		0	N.D.	d	
68) p-Isopropyltoluene	0.00		0	N.D.	d	
69) 1,3-Dichlorobenzene	0.00		0	N.D.	d	
70) 1,4-Dichlorobenzene	0.00		0	N.D.	d	
71) 1,2-Dichlorobenzene	0.00		0	N.D.	d	
72) 1,2-Dibromo-3-chloropr...	0.00		0	N.D.		
73) 1,2,4-Trichlorobenzene	0.00		0	N.D.	d	
74) Hexachlorobutadiene	0.00		0	N.D.		
75) Naphthalene	0.00		0	N.D.	d	
76) 1,2,3-Trichlorobenzene	0.00		0	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110506.D
 Acq On : 05 Nov 2022 11:34 am
 Operator : VM
 Sample : 0.02 ppb 8260 ICAL 67-177F
 Misc : soil/water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:09 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110506.D
 Acq On : 05 Nov 2022 11:34 am
 Operator : VM
 Sample : 0.02 ppb 8260 ICAL 67-177F
 Misc : soil/water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:09 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2 TMP	Ethanol	-1.000	0.000	0.0	0	0.01
3 S	Dibromofluoromethane	10.000	10.080	-0.8	100	0.00
4 TMP	Dichlorodifluoromethane	-1.000	0.000	0.0	0	-1.12#
5 TMP	Chloromethane	-1.000	0.000	0.0	0	-1.26#
6 TMP	Vinyl chloride	0.020	0.020	0.0	76	0.00
7 TMP	Bromomethane	-1.000	0.000	0.0	0	-1.58#
8 TMP	Chloroethane	-1.000	0.000	0.0	0	-1.65#
9 TMP	Trichlorofluoromethane	-1.000	0.000	0.0	0	-1.83#
10 TMP	2-Propanol	-1.000	0.000	0.0	0	-2.33#
11 TMP	Acetone	-1.000	0.000	0.0	0	-2.33#
12 TMP	1,1-Dichloroethene	0.020	0.023	-15.0	100	0.00
13 TMP	Hexane	-1.000	0.000	0.0	0	-3.16#
14 TMP	Methylene chloride	-1.000	0.000	0.0	0	-2.68#
15 TMP	t-Butyl alcohol (TBA)	-1.000	0.000	0.0	0	-2.82#
16 TMP	Methyl t-butyl ether (MTBE)	0.020	0.020	0.0	98	0.00
17 TMP	trans-1,2-Dichloroethene	0.020	0.023	-15.0	100	0.00
18 TMP	Diisopropyl ether (DIPE)	-1.000	0.000	0.0	0	-3.35#
19 TMP	1,1-Dichloroethane	0.020	0.021	-5.0	100	0.00
20 TMP	Ethyl t-butyl ether (ETBE)	-1.000	0.000	0.0	0	-3.66#
21 TMP	2,2-Dichloropropane	-1.000	0.000	0.0	0	-3.77#
22 TMP	cis-1,2-Dichloroethene	0.020	0.022	-10.0	100	0.00
23 TMP	Chloroform	-1.000	0.000	0.0	0	-4.04#
24 TMP	2-Butanone (MEK)	-1.000	0.000	0.0	0	-3.79#
25 TMP	t-Amyl methyl ether (TAME)	-1.000	0.000	0.0	0	-4.61#
26 TMP	1,2-Dichloroethane (EDC)	-1.000	0.000	0.0	0	-4.53#
27 TMP	1,1,1-Trichloroethane	0.020	0.022	-10.0	100	0.00
28 TMP	1,1-Dichloropropene	-1.000	0.000	0.0	0	-4.33#
29 TMP	Carbon tetrachloride	-1.000	0.000	0.0	0	-4.33#
30 S	1,2-Dichloroethane-d4	10.000	10.031	-0.3	100	0.00
31 TMP	Benzene	0.020	0.022	-10.0	100	0.00
32 TMP	Trichloroethene	0.020	0.022	-10.0	94	0.00
33 TMP	1,2-Dichloropropane	-1.000	0.000	0.0	0	-5.24#
34 TMP	Bromodichloromethane	-1.000	0.000	0.0	0	-5.48#
35 S	Toluene-d8	10.000	9.917	0.8	100	0.00
36 TMP	Dibromomethane	-1.000	0.000	0.0	0	-5.35#
37 TMP	4-Methyl-2-pentanone	-1.000	0.000	0.0	0	-6.03#
38 TMP	cis-1,3-Dichloropropene	-1.000	0.000	0.0	0	-5.88#
39 I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40 TMP	Toluene	0.020	0.014	30.0#	100	0.00
41 TMP	trans-1,3-Dichloropropene	-1.000	0.000	0.0	0	-6.36#
42 TMP	1,1,2-Trichloroethane	0.020	0.017	15.0	107	0.00
43 TMP	2-Hexanone	-1.000	0.000	0.0	0	-6.76#

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110506.D
 Acq On : 05 Nov 2022 11:34 am
 Operator : VM
 Sample : 0.02 ppb 8260 ICAI 67-177F
 Misc : soil/water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:09 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	-1.000	0.000	0.0	0	-6.68#
45 TMP Tetrachloroethene	0.020	0.017	15.0	100	0.00
46 TMP Dibromochloromethane	-1.000	0.000	0.0	0	-6.88#
47 TMP 1,2-Dibromoethane (EDB)	0.020	0.025	-25.0#	100	0.00
48 TMP Chlorobenzene	-1.000	0.000	0.0	0	-7.43#
49 TMP Ethylbenzene	0.020	0.025	-25.0#	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	-1.000	0.008	0.0	0	0.00
51 TMP m,p-Xylene	0.040	0.051	-27.5#	100	0.00
52 TMP o-Xylene	0.020	0.024	-20.0	100	0.00
53 TMP Styrene	-1.000	0.000	0.0	0	-8.03#
54 TMP Isopropylbenzene	-1.000	0.000	0.0	0	-8.37#
55 TMP Bromoform	-1.000	0.000	0.0	0	-8.20#
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	10.000	10.375	-3.8	100	0.00
58 TMP n-Propylbenzene	-1.000	0.000	0.0	0	-8.77#
59 TMP Bromobenzene	-1.000	0.000	0.0	0	-8.65#
60 TMP 1,3,5-Trimethylbenzene	-1.000	0.000	0.0	0	-8.94#
61 TMP 1,1,2,2-Tetrachloroethane	-1.000	0.000	0.0	0	-8.65#
62 TMP 1,2,3-Trichloropropane	-1.000	0.000	0.0	0	-8.70#
63 TMP 2-Chlorotoluene	-1.000	0.000	0.0	0	-8.84#
64 TMP 4-Chlorotoluene	-1.000	0.000	0.0	0	-8.95#
65 TMP tert-Butylbenzene	-1.000	0.000	0.0	0	-9.25#
66 TMP 1,2,4-Trimethylbenzene	-1.000	0.000	0.0	0	-9.30#
67 TMP sec-Butylbenzene	-1.000	0.000	0.0	0	-9.46#
68 TMP p-Isopropyltoluene	-1.000	0.000	0.0	0	-9.61#
69 TMP 1,3-Dichlorobenzene	-1.000	0.000	0.0	0	-9.56#
70 TMP 1,4-Dichlorobenzene	-1.000	0.000	0.0	0	-9.64#
71 TMP 1,2-Dichlorobenzene	-1.000	0.000	0.0	0	-10.01#
72 TMP 1,2-Dibromo-3-chloropropane	-1.000	0.000	0.0	0	-10.78#
73 TMP 1,2,4-Trichlorobenzene	-1.000	0.000	0.0	0	-11.59#
74 TMP Hexachlorobutadiene	-1.000	0.000	0.0	0	-11.77#
75 TMP Naphthalene	-1.000	0.000	0.0	0	-11.84#
76 TMP 1,2,3-Trichlorobenzene	-1.000	0.000	0.0	0	-12.08#

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110506.D
 Acq On : 05 Nov 2022 11:34 am
 Operator : VM
 Sample : 0.02 ppb 8260 ICAL 67-177F
 Misc : soil/water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:09 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2 TMP	Ethanol	0.000	0.000#	0.0	0#	0.01
3 S	Dibromofluoromethane	0.321	0.323	-0.6	100	0.00
4 TMP	Dichlorodifluoromethane	0.800	0.000#	100.0#	0#	-1.12#
5 TMP	Chloromethane	0.488	0.000#	100.0#	0#	-1.26#
6 TMP	Vinyl chloride	0.510	0.519	-1.8	75	0.00
7 TMP	Bromomethane	0.432	0.000#	100.0#	0#	-1.58#
8 TMP	Chloroethane	0.229	0.000#	100.0#	0#	-1.65#
9 TMP	Trichlorofluoromethane	1.123	0.000#	100.0#	0#	-1.83#
10 TMP	2-Propanol	0.000	0.000	0.0	0#	-2.33#
11 TMP	Acetone	0.029	0.000#	100.0#	0#	-2.33#
12 TMP	1,1-Dichloroethene	0.285	0.334	-17.2	100	0.00
13 TMP	Hexane	0.323	0.000#	100.0#	0#	-3.16#
14 TMP	Methylene chloride	0.289	0.000#	100.0#	0#	-2.68#
15 TMP	t-Butyl alcohol (TBA)	0.024	0.000#	100.0#	0#	-2.82#
16 TMP	Methyl t-butyl ether (MTBE)	0.666	0.664	0.3	98	0.00
17 TMP	trans-1,2-Dichloroethene	0.318	0.366	-15.1	100	0.00
18 TMP	Diisopropyl ether (DIPE)	0.698	0.000#	100.0#	0#	-3.35#
19 TMP	1,1-Dichloroethane	0.463	0.492	-6.3	100	0.00
20 TMP	Ethyl t-butyl ether (ETBE)	0.258	0.000#	100.0#	0#	-3.66#
21 TMP	2,2-Dichloropropane	0.258	0.000#	100.0#	0#	-3.77#
22 TMP	cis-1,2-Dichloroethene	0.333	0.375	-12.6	100	0.00
23 TMP	Chloroform	0.539	0.000#	100.0#	0#	-4.04#
24 TMP	2-Butanone (MEK)	0.132	0.000#	100.0#	0#	-3.79#
25 TMP	t-Amyl methyl ether (TAME)	0.540	0.000#	100.0#	0#	-4.61#
26 TMP	1,2-Dichloroethane (EDC)	0.465	0.000#	100.0#	0#	-4.53#
27 TMP	1,1,1-Trichloroethane	0.482	0.528	-9.5	100	0.00
28 TMP	1,1-Dichloropropene	0.370	0.000#	100.0#	0#	-4.33#
29 TMP	Carbon tetrachloride	0.485	0.000#	100.0#	0#	-4.33#
30 S	1,2-Dichloroethane-d4	0.062	0.062	0.0	100	0.00
31 TMP	Benzene	1.118	1.242	-11.1	100	0.00
32 TMP	Trichloroethene	0.367	0.406	-10.6	94	0.00
33 TMP	1,2-Dichloropropane	0.241	0.000#	100.0#	0#	-5.24#
34 TMP	Bromodichloromethane	0.387	0.000#	100.0#	0#	-5.48#
35 S	Toluene-d8	0.954	0.946	0.8	100	0.00
36 TMP	Dibromomethane	0.219	0.000#	100.0#	0#	-5.35#
37 TMP	4-Methyl-2-pentanone	0.042	0.000#	100.0#	0#	-6.03#
38 TMP	cis-1,3-Dichloropropene	0.360	0.000#	100.0#	0#	-5.88#
39 I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40 TMP	Toluene	0.907	1.258	-38.7#	100	0.00
41 TMP	trans-1,3-Dichloropropene	0.366	0.000#	100.0#	0#	-6.36#
42 TMP	1,1,2-Trichloroethane	0.285	0.402	-41.1#	107	0.00
43 TMP	2-Hexanone	0.190	0.000#	100.0#	0#	-6.76#

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110506.D
 Acq On : 05 Nov 2022 11:34 am
 Operator : VM
 Sample : 0.02 ppb 8260 ICAL 67-177F
 Misc : soil/water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:09 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.457	0.000#	100.0#	0#	-6.68#
45 TMP Tetrachloroethene	0.460	0.738	-60.4#	100	0.00
46 TMP Dibromochloromethane	0.451	0.000#	100.0#	0#	-6.88#
47 TMP 1,2-Dibromoethane (EDB)	0.360	0.453	-25.8#	100	0.00
48 TMP Chlorobenzene	0.993	0.000#	100.0#	0#	-7.43#
49 TMP Ethylbenzene	1.557	1.912	-22.8#	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.387	0.000#	100.0#	0#	0.00
51 TMP m,p-Xylene	0.612	0.774	-26.5#	100	0.00
52 TMP o-Xylene	0.591	0.715	-21.0#	100	0.00
53 TMP Styrene	0.887	0.000#	100.0#	0#	-8.03#
54 TMP Isopropylbenzene	1.435	0.000#	100.0#	0#	-8.37#
55 TMP Bromoform	0.299	0.000#	100.0#	0#	-8.20#
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	0.689	0.715	-3.8	100	0.00
58 TMP n-Propylbenzene	2.700	0.000#	100.0#	0#	-8.77#
59 TMP Bromobenzene	0.837	0.000#	100.0#	0#	-8.65#
60 TMP 1,3,5-Trimethylbenzene	1.968	0.000#	100.0#	0#	-8.94#
61 TMP 1,1,2,2-Tetrachloroethane	0.626	0.000#	100.0#	0#	-8.65#
62 TMP 1,2,3-Trichloropropane	0.486	0.000#	100.0#	0#	-8.70#
63 TMP 2-Chlorotoluene	1.617	0.000#	100.0#	0#	-8.84#
64 TMP 4-Chlorotoluene	1.912	0.000#	100.0#	0#	-8.95#
65 TMP tert-Butylbenzene	1.952	0.000#	100.0#	0#	-9.25#
66 TMP 1,2,4-Trimethylbenzene	1.996	0.000#	100.0#	0#	-9.30#
67 TMP sec-Butylbenzene	2.624	0.000#	100.0#	0#	-9.46#
68 TMP p-Isopropyltoluene	2.387	0.000#	100.0#	0#	-9.61#
69 TMP 1,3-Dichlorobenzene	1.530	0.000#	100.0#	0#	-9.56#
70 TMP 1,4-Dichlorobenzene	1.564	0.000#	100.0#	0#	-9.64#
71 TMP 1,2-Dichlorobenzene	1.455	0.000#	100.0#	0#	-10.01#
72 TMP 1,2-Dibromo-3-chloropropane	0.108	0.000#	100.0#	0#	-10.78#
73 TMP 1,2,4-Trichlorobenzene	0.971	0.000#	100.0#	0#	-11.59#
74 TMP Hexachlorobutadiene	0.600	0.000#	100.0#	0#	-11.77#
75 TMP Naphthalene	1.833	0.000#	100.0#	0#	-11.84#
76 TMP 1,2,3-Trichlorobenzene	0.846	0.000#	100.0#	0#	-12.08#

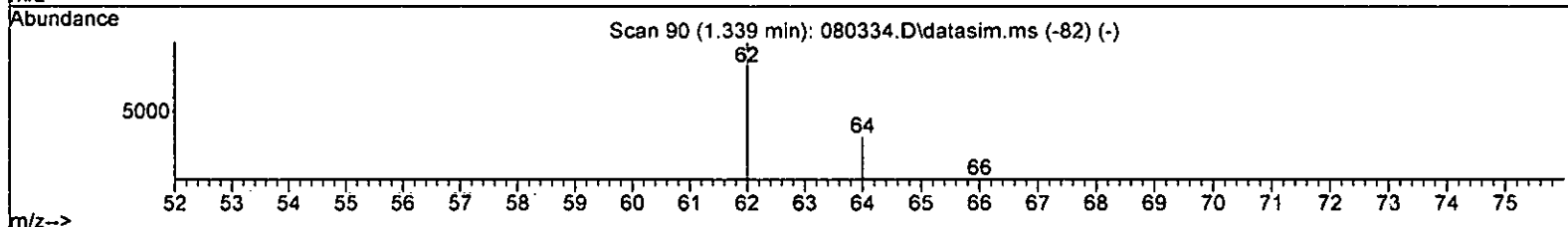
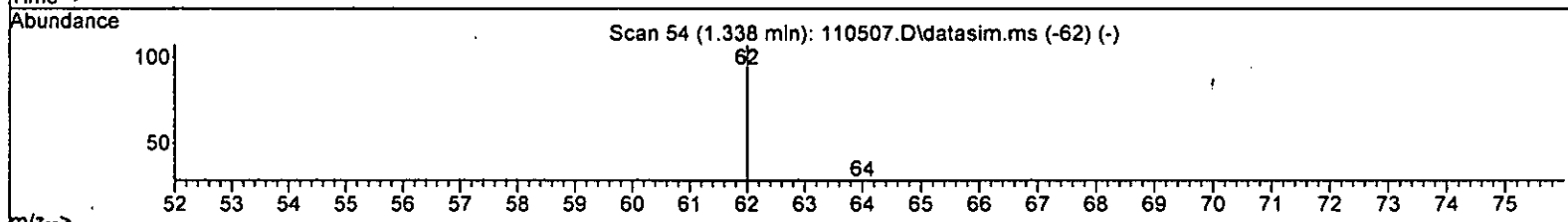
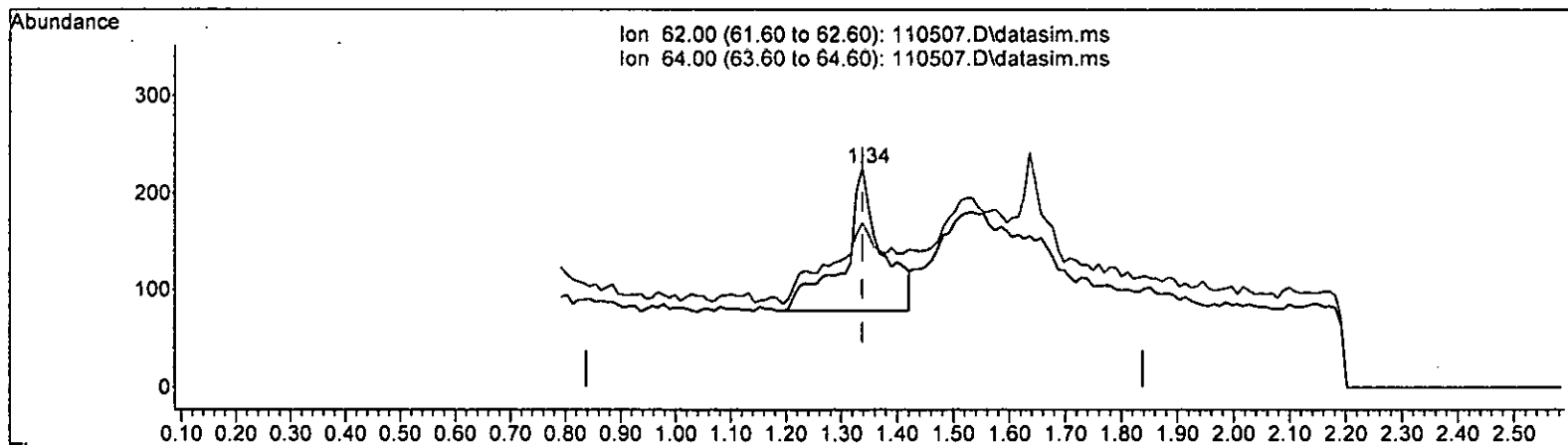
(#) = Out of Range

SPCC's out = 52 CCC's out = 0

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110507.D
 Acq On : 05 Nov 2022 11:57 am
 Operator : VM
 Sample : 0.04 ppb 8260 ICAL 67-177G
 Misc : soil/water
 ALS Vial : 3 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:11 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110507.D\data.ms

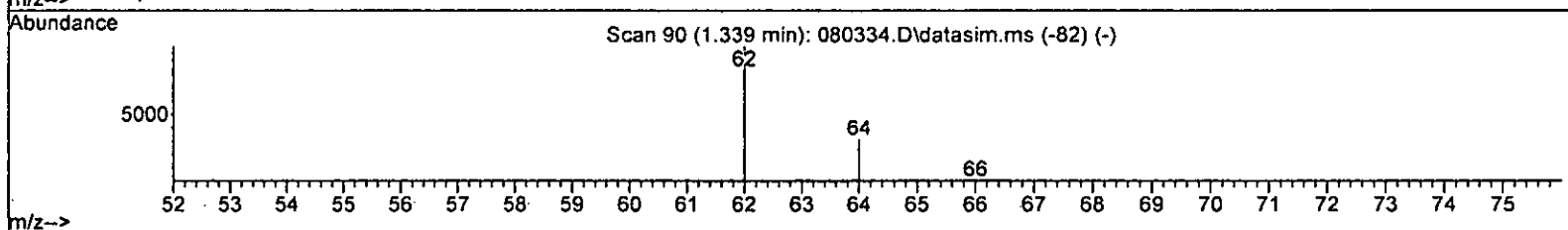
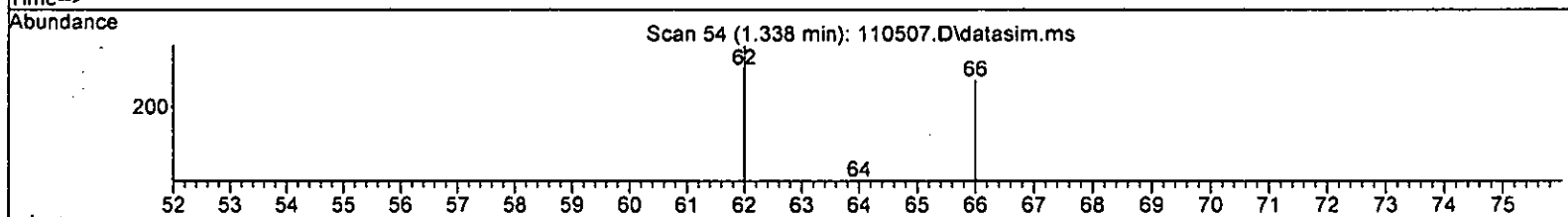
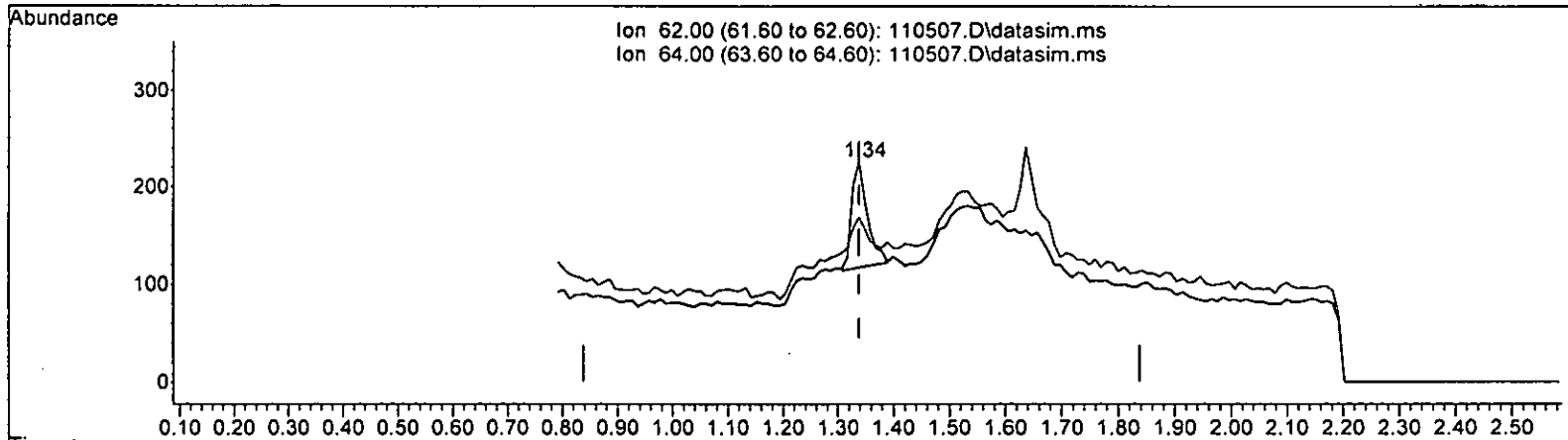
(6) Vinyl chloride (TMP)
 1.338min (-0.000) 0.121 ppb
 response 688

Ion	Exp%	Act%
62.00	100.00	100.00
64.00	34.40	56.76
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110507.D
 Acq On : 05 Nov 2022 11:57 am
 Operator : VM
 Sample : 0.04 ppb 8260 ICAL 67-177G
 Misc : soil/water
 ALS Vial : 3 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:11 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110507.D\data.ms

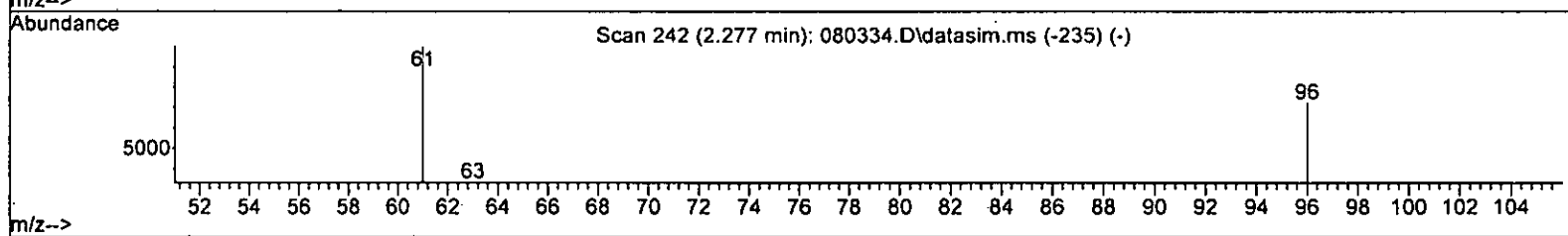
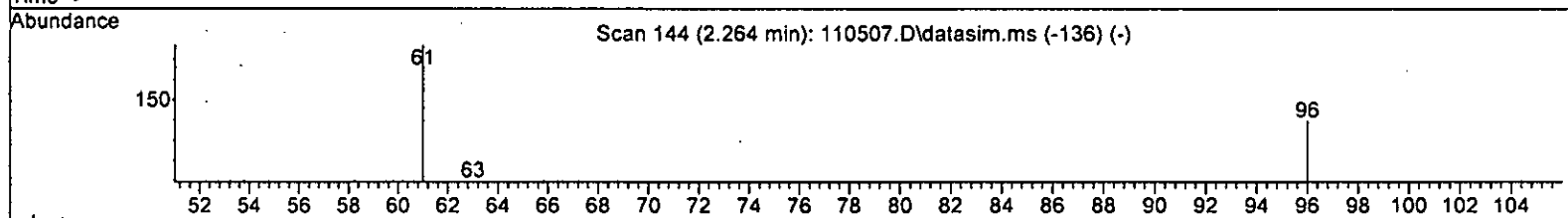
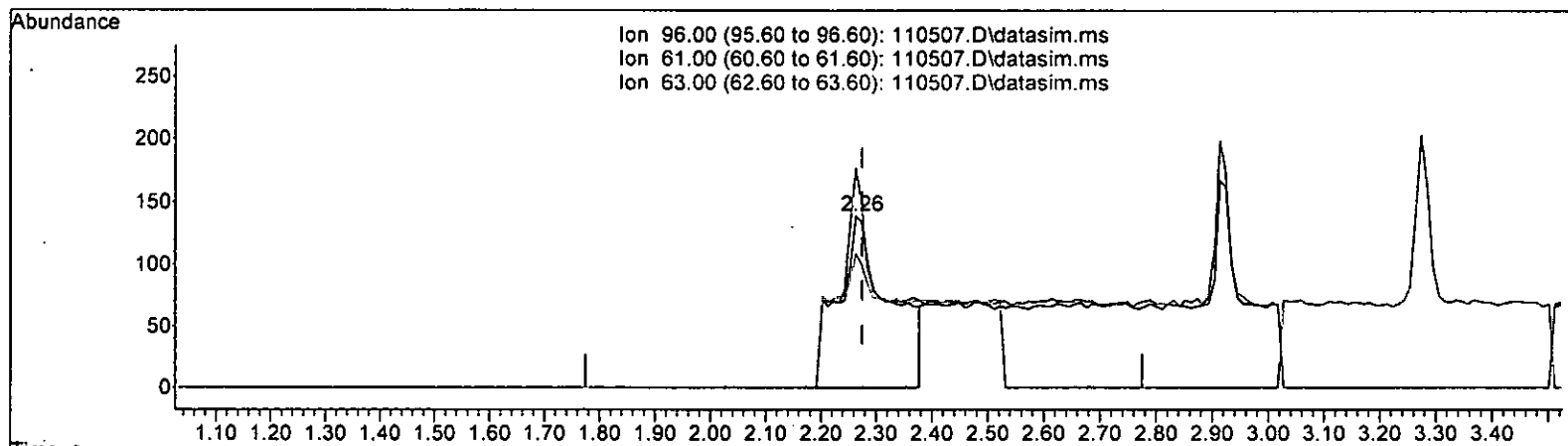
(6) Vinyl chloride (TMP)
 1.338min (-0.000) 0.038 ppb m
 response 214

Ion	Exp%	Act%
62.00	100.00	100.00
64.00	34.40	74.78#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110507.D
 Acq On : 05 Nov 2022 11:57 am
 Operator : VM
 Sample : 0.04 ppb 8260 ICAL 67-177G
 Misc : soil/water
 ALS Vial : 3 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:11 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



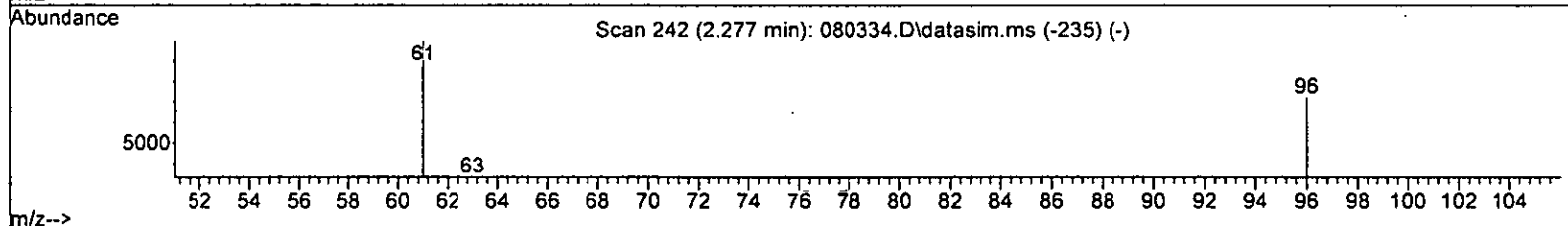
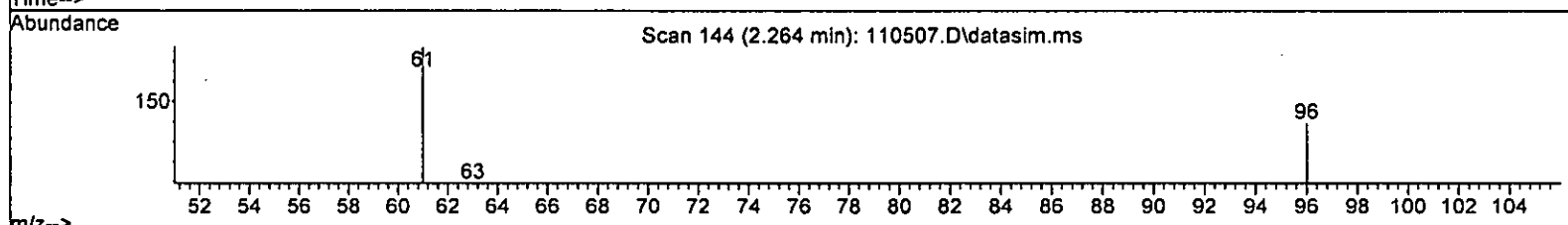
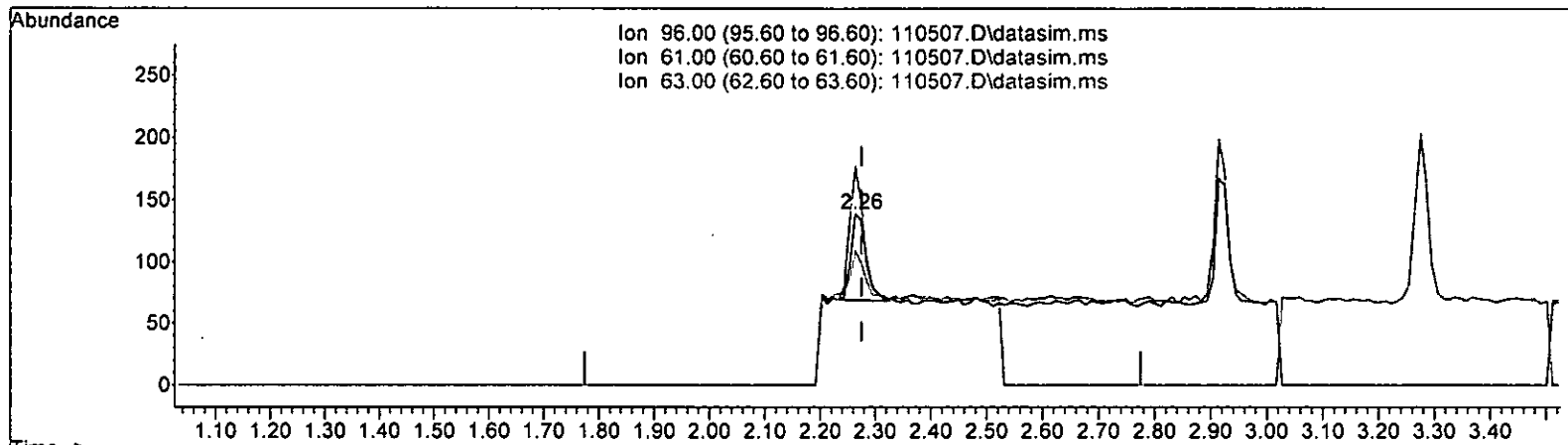
TIC: 110507.D\data.ms

(12)	1,1-Dichloroethene (TMP)	
2.264min (-0.011)	0.280 ppb	
response	892	
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	120.90	127.34
63.00	43.90	78.42#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110507.D
 Acq On : 05 Nov 2022 11:57 am
 Operator : VM
 Sample : 0.04 ppb 8260 ICAL 67-177G
 Misc : soil/water
 ALS Vial : 3 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:11 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



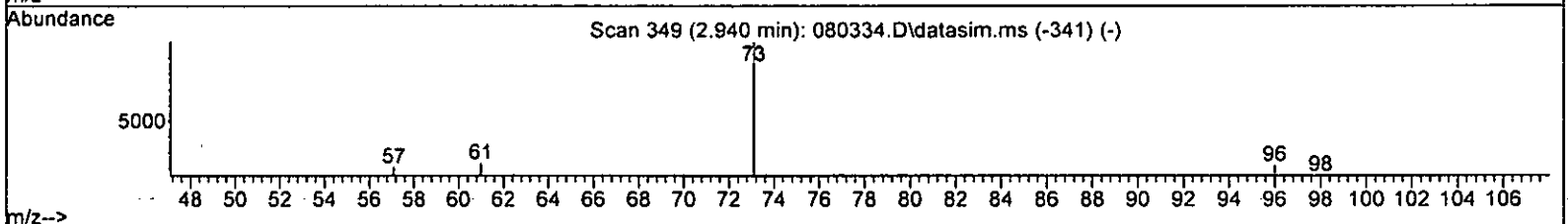
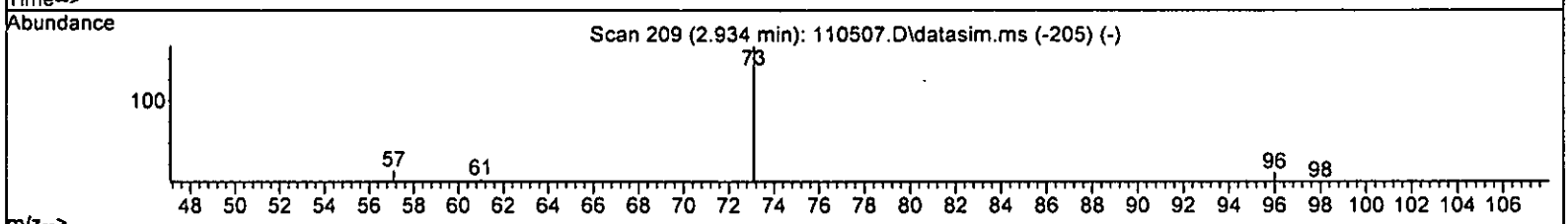
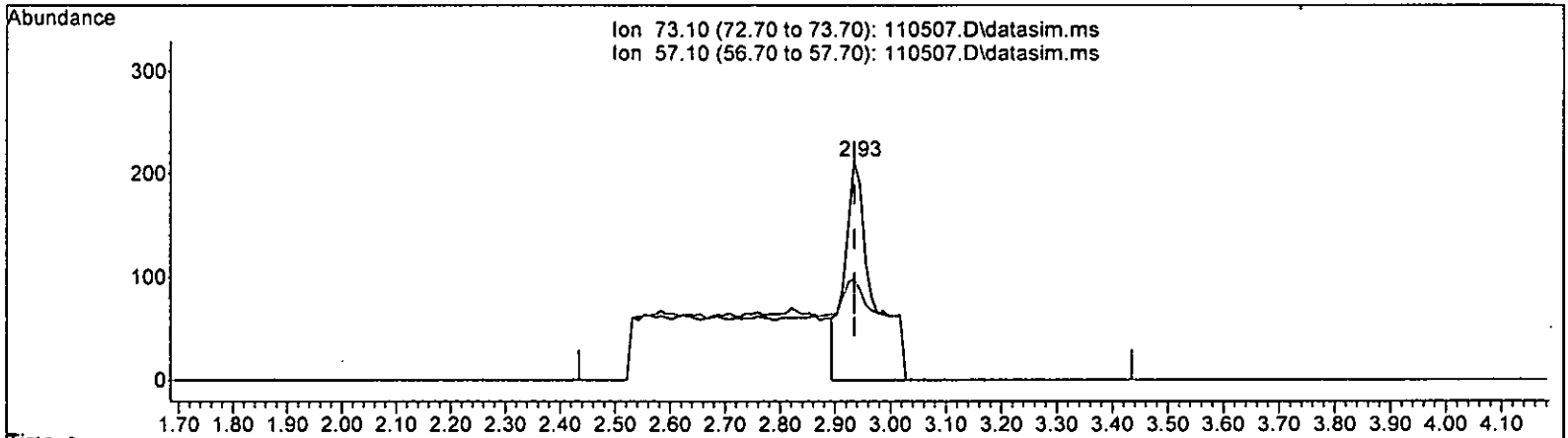
TIC: 110507.D\data.ms

(12)	1,1-Dichloroethene (TMP)	
2.264min (-0.011)	0.042 ppb m	
response	133	
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	120.90	127.34
63.00	43.90	78.42#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110507.D
 Acq On : 05 Nov 2022 11:57 am
 Operator : VM
 Sample : 0.04 ppb 8260 ICAL 67-177G
 Misc : soil/water
 ALS Vial : 3 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:11 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110507.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

2.934min (-0.001) 0.101 ppb

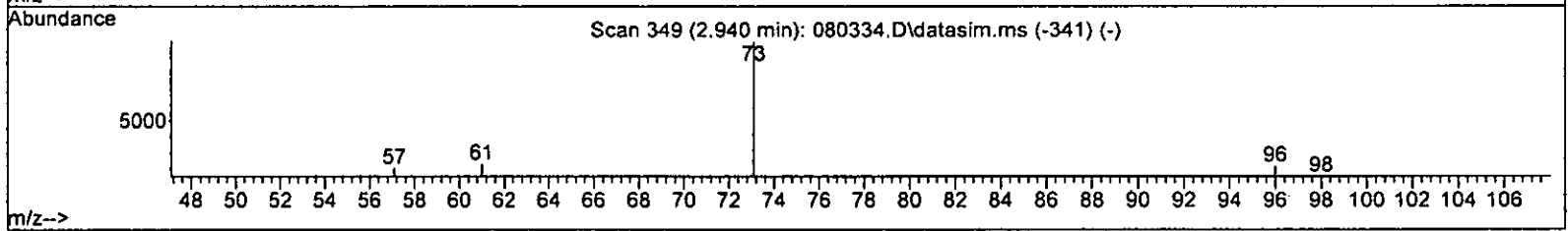
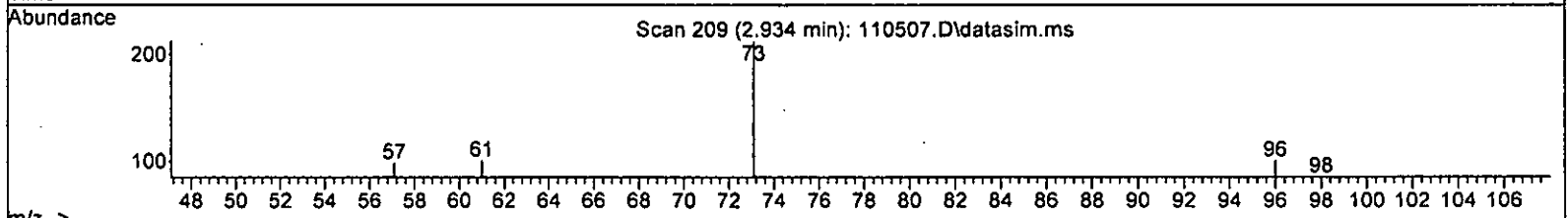
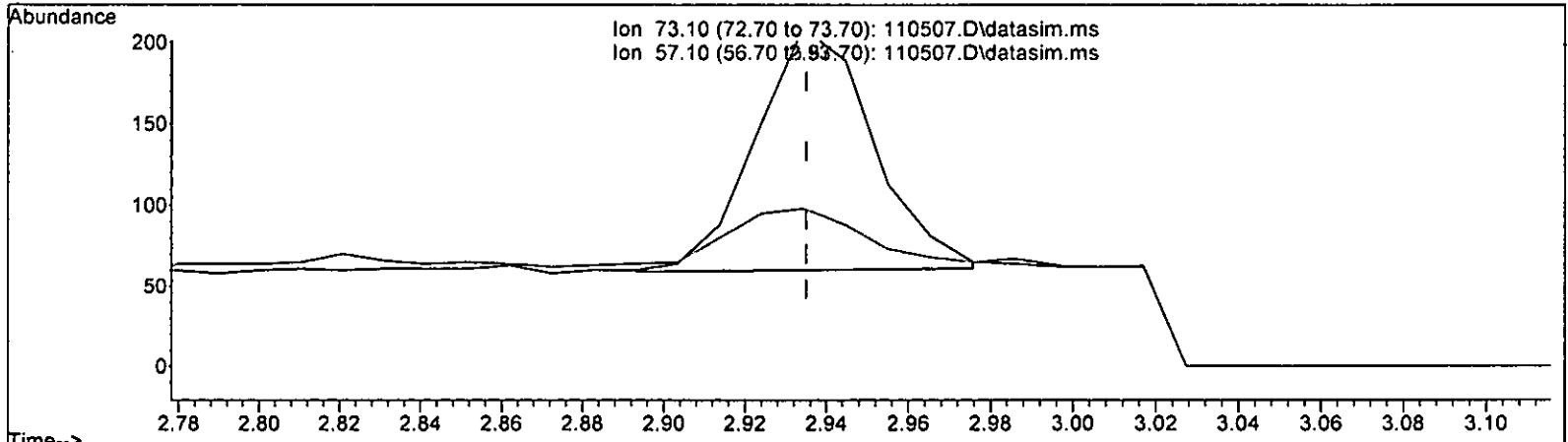
response 751

Ion	Exp%	Act%
73.10	100.00	100.00
57.10	19.40	46.23
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110507.D
 Acq On : 05 Nov 2022 11:57 am
 Operator : VM
 Sample : 0.04 ppb 8260 ICAL 67-177G
 Misc : soil/water
 ALS Vial : 3 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:11 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110507.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

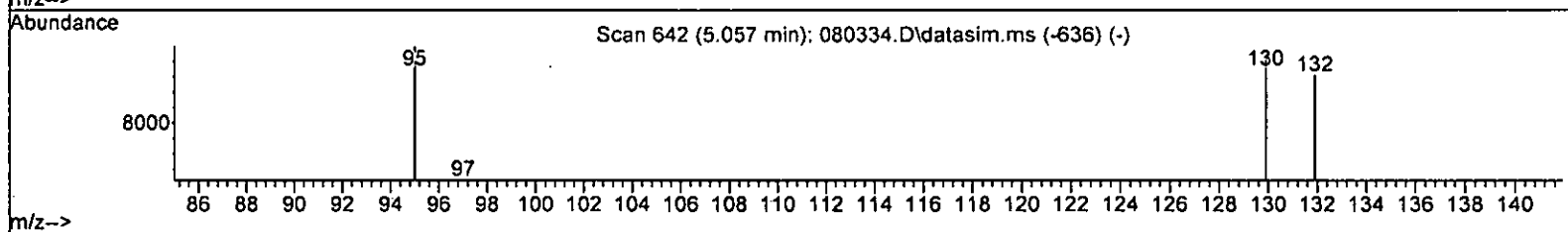
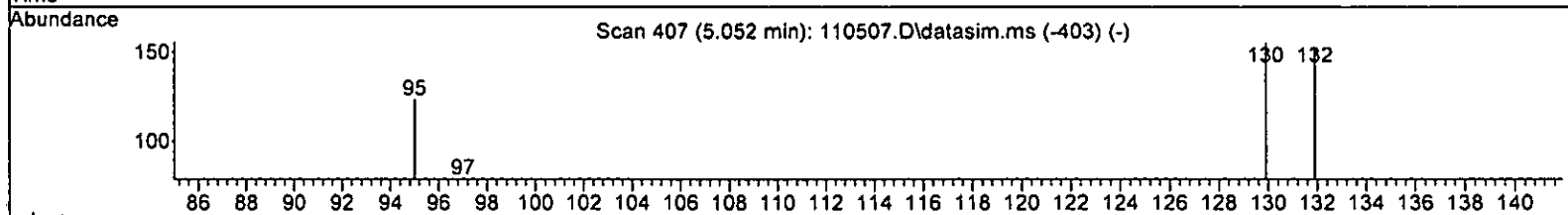
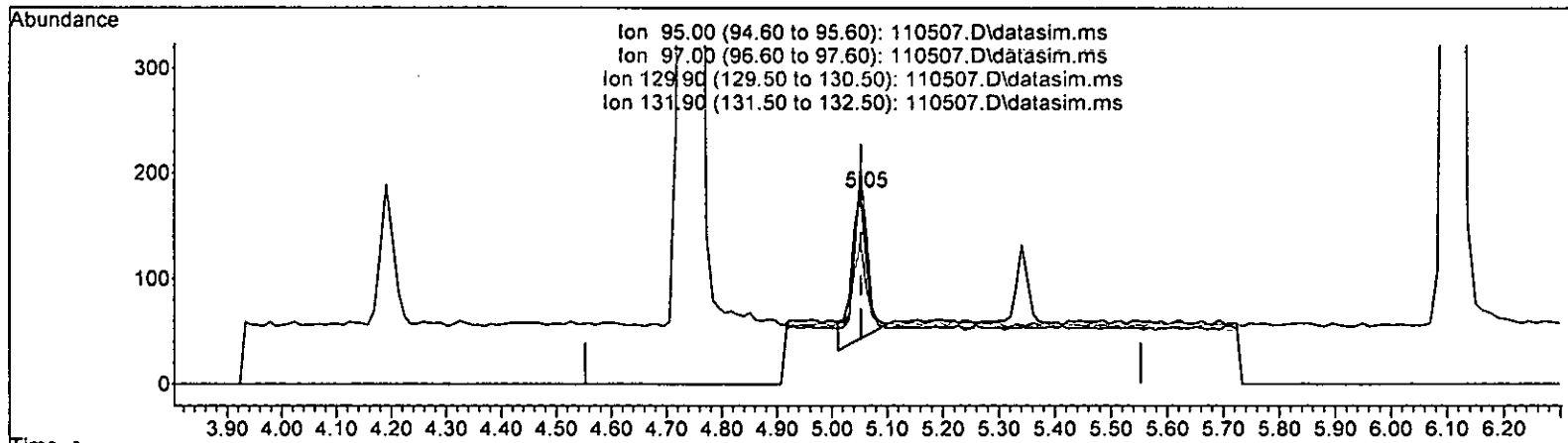
2.934min (-0.001) 0.040 ppb m

response	299	
Ion	Exp%	Act%
73.10	100.00	100.00
57.10	19.40	46.23
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110507.D
 Acq On : 05 Nov 2022 11:57 am
 Operator : VM
 Sample : 0.04 ppb 8260 ICAL 67-177G
 Misc : soil/water
 ALS Vial : 3 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:11 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



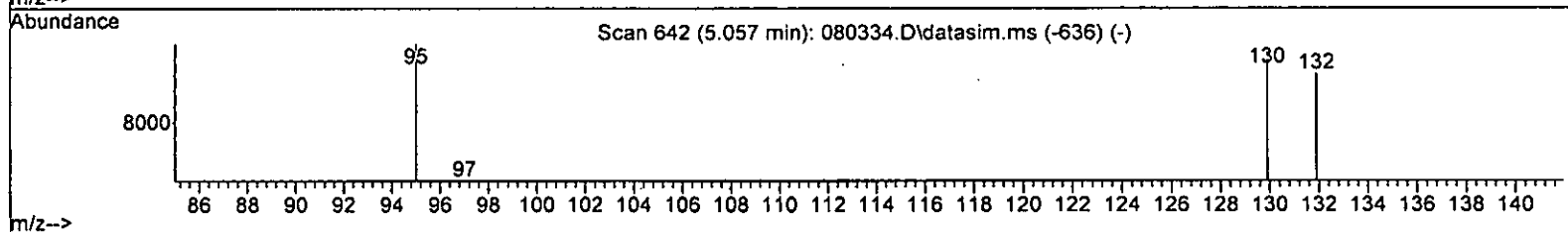
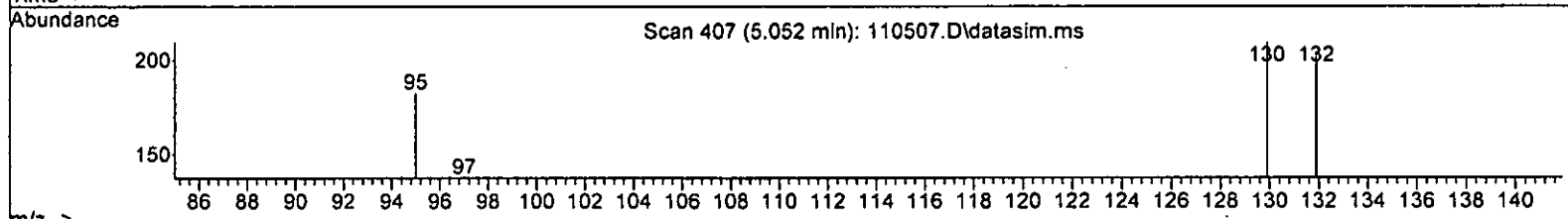
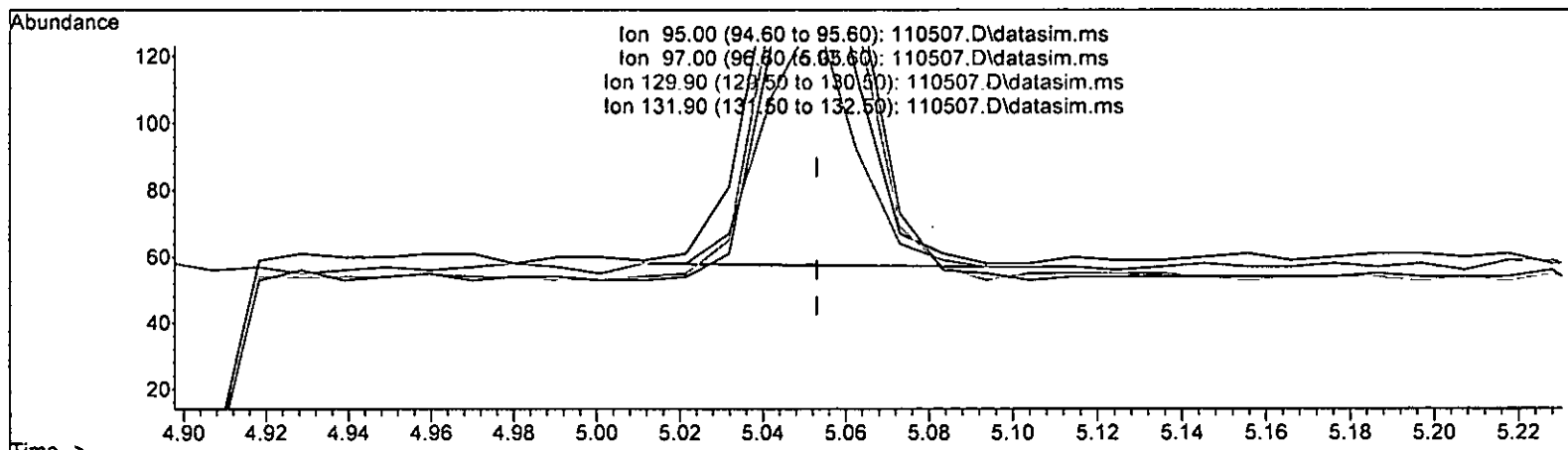
TIC: 110507.D\data.ms

(32) Trichloroethene (TMP)		
5.052min (-0.001)	0.065 ppb	
response	266	
Ion	Exp%	Act%
95.00	100.00	100.00
97.00	64.60	64.52
129.90	103.40	125.00
131.90	95.80	121.77

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110507.D
 Acq On : 05 Nov 2022 11:57 am
 Operator : VM
 Sample : 0.04 ppb 8260 ICAL 67-177G
 Misc : soil/water
 ALS Vial : 3 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:11 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110507.D\data.ms

(32) Trichloroethene (TME)

5.052min (-0.001) 0.048 ppb m

response 196

Ion	Exp%	Act%
95.00	100.00	100.00
97.00	64.60	75.27
129.90	103.40	114.84
131.90	95.80	112.09

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110507.D
 Acq On : 05 Nov 2022 11:57 am
 Operator : VM
 Sample : 0.04 ppb 8260 ICAL 67-177G
 Misc : soil/water
 ALS Vial : 3 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:11 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	4.75	96	111750	10.000	ppb	0.00	
39) Chlorobenzene-d5	7.40	117	92506	10.000	ppb	0.00	
56) 1,4-Dichlorobenzene-d4	9.62	152	50709	10.000	ppb	0.00	
System Monitoring Compounds							
3) Dibromofluoromethane	4.17	113	33909	9.462	ppb	0.00	
Spiked Amount	10.000	Range	50 - 150	Recovery	=	94.60%	
30) 1,2-Dichloroethane-d4	4.45	102	7214	10.387	ppb	0.00	
Spiked Amount	10.000	Range	84 - 120	Recovery	=	103.90%	
35) Toluene-d8	6.10	98	105914	9.938	ppb	0.00	
Spiked Amount	10.000	Range	73 - 128	Recovery	=	99.40%	
57) 4-Bromofluorobenzene	8.51	95	37140	10.629	ppb	0.00	
Spiked Amount	10.000	Range	57 - 146	Recovery	=	106.30%	
Target Compounds							
							Qvalue
2) Ethanol	2.33	45	342	No Calib			
4) Dichlorodifluoromethane	0.00		0	N.D.	d		
5) Chloromethane	0.00		0	N.D.	d		
6] Vinyl chloride	1.34	62	214m	0.038	ppb		
7) Bromomethane	0.00		0	N.D.	d		
8) Chloroethane	0.00		0	N.D.	d		
9) Trichlorofluoromethane	0.00		0	N.D.	d		
10) 2-Propanol	0.00		0	N.D.	d		
11) Acetone	0.00		0	N.D.	d		
12] 1,1-Dichloroethene	2.26	96	133m	0.042	ppb		
13) Hexane	0.00		0	N.D.	d		
14) Methylene chloride	0.00		0	N.D.	d		
15) t-Butyl alcohol (TBA)	0.00		0	N.D.	d		
16] Methyl t-butyl ether (...)	2.93	73	299m	0.040	ppb		
17] trans-1,2-Dichloroethene	2.91	96	172	0.048	ppb		82
18) Diisopropyl ether (DIPE)	0.00		0	N.D.	d		
19] 1,1-Dichloroethane	3.27	63	221	0.043	ppb		94
20) Ethyl t-butyl ether (E...)	0.00		0	N.D.	d		
21) 2,2-Dichloropropane	0.00		0	N.D.	d		
22] cis-1,2-Dichloroethene	3.77	96	165	0.044	ppb		96
23) Chloroform	0.00		0	N.D.	d		
24) 2-Butanone (MEK)	0.00		0	N.D.	d		
25) t-Amyl methyl ether (T...)	0.00		0	N.D.	d		
26] 1,2-Dichloroethane (EDC)	4.52	62	408	0.051	ppb		94
27] 1,1,1-Trichloroethane	4.19	97	230	0.043	ppb		94
28) 1,1-Dichloropropene	0.00		0	N.D.	d		
29) Carbon tetrachloride	0.00		0	N.D.	d		
31] Benzene	4.50	78	637	0.051	ppb		99
32] Trichloroethene	5.05	95	196m	0.048	ppb		
33) 1,2-Dichloropropane	0.00		0	N.D.	d		
34) Bromodichloromethane	0.00		0	N.D.	d		
36) Dibromomethane	0.00		0	N.D.	d		

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110507.D
 Acq On : 05 Nov 2022 11:57 am
 Operator : VM
 Sample : 0.04 ppb 8260 ICAL 67-177G
 Misc : soil/water
 ALS Vial : 3 Sample Multiplier: 1
 InstName : GCMS13

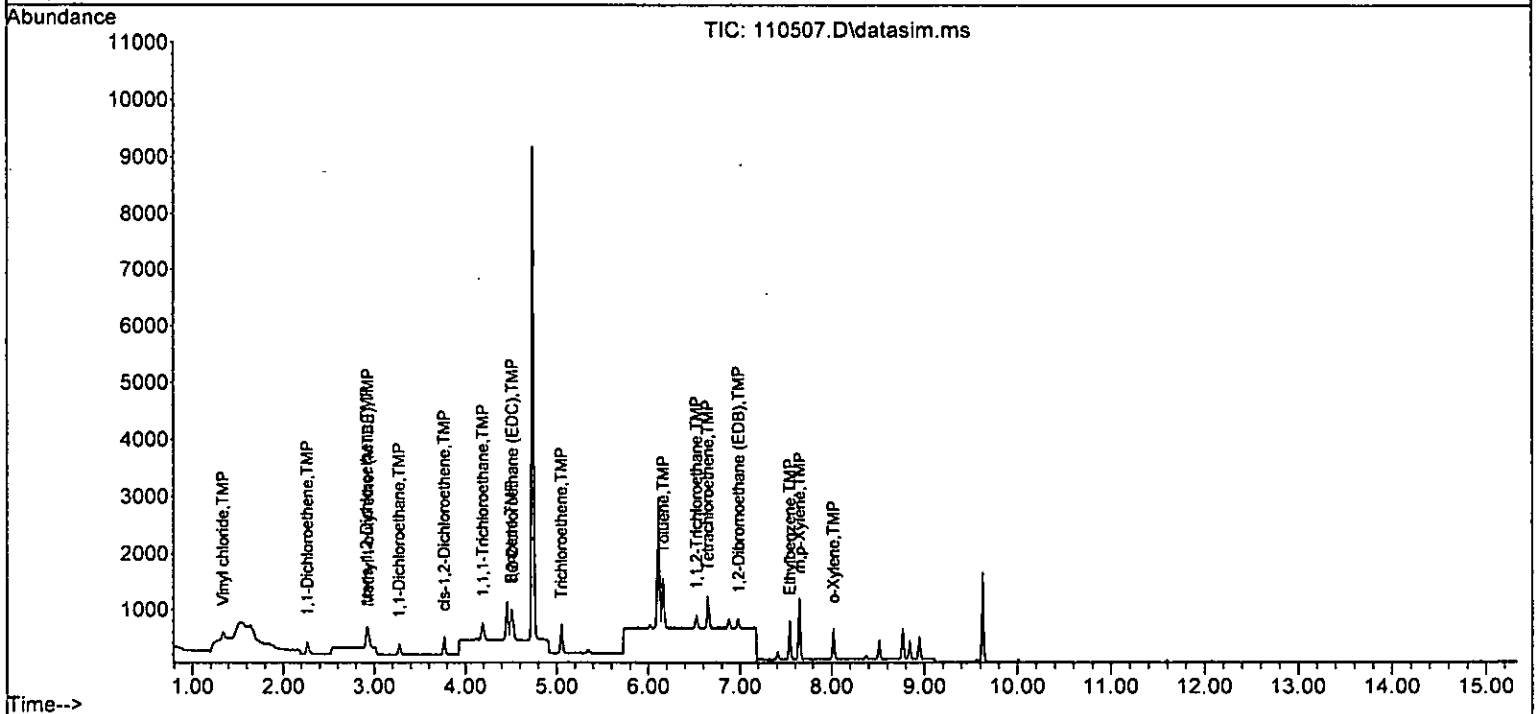
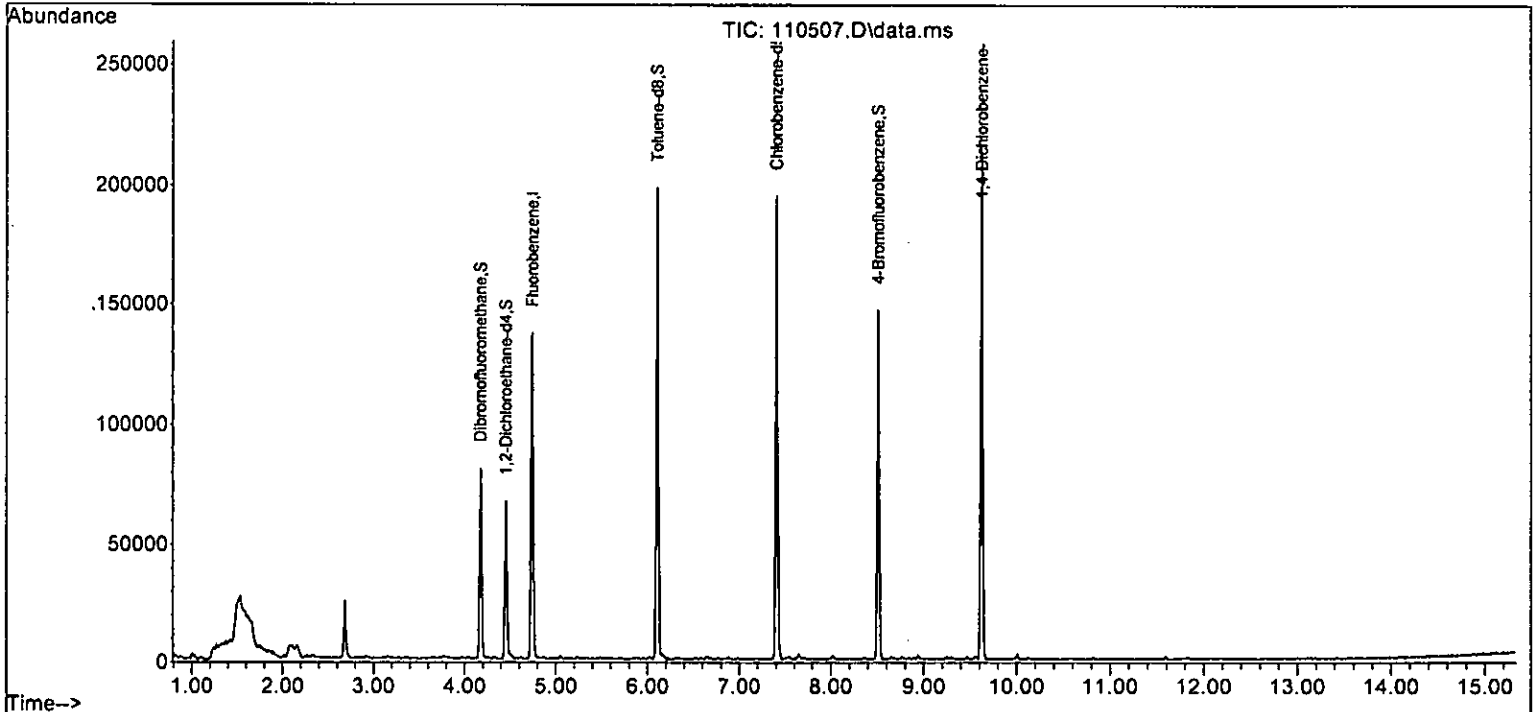
Quant Time: Nov 07 15:17:11 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.00		0	N.D.		
38) cis-1,3-Dichloropropene	0.00		0	N.D.	d	
40] Toluene	6.16	92	465	0.046	ppb	100
41) trans-1,3-Dichloropropene	0.00		0	N.D.	d	
42] 1,1,2-Trichloroethane	6.53	83	149	0.048	ppb	98
43) 2-Hexanone	0.00		0	N.D.	d	
44) 1,3-Dichloropropane	0.00		0	N.D.	d	
45] Tetrachloroethene	6.65	164	218	0.039	ppb	95
46) Dibromochloromethane	0.00		0	N.D.	d	
47] 1,2-Dibromoethane (EDB)	6.98	107	163	0.049	ppb	97
48) Chlorobenzene	0.00		0	N.D.	d	
49] Ethylbenzene	7.54	91	681	0.047	ppb	93
50) 1,1,1,2-Tetrachloroethane	0.00		0	N.D.	d	
51] m,p-Xylene	7.65	106	536	0.095	ppb	92
52] o-Xylene	8.02	106	249	0.046	ppb	86
53) Styrene	0.00		0	N.D.	d	
54) Isopropylbenzene	0.00		0	N.D.	d	
55) Bromoform	0.00		0	N.D.	d	
58) n-Propylbenzene	0.00		0	N.D.	d	
59) Bromobenzene	0.00		0	N.D.	d	
60) 1,3,5-Trimethylbenzene	0.00		0	N.D.	d	
61) 1,1,2,2-Tetrachloroethane	0.00		0	N.D.	d	
62) 1,2,3-Trichloropropane	0.00		0	N.D.	d	
63) 2-Chlorotoluene	0.00		0	N.D.	d	
64) 4-Chlorotoluene	0.00		0	N.D.	d	
65) tert-Butylbenzene	0.00		0	N.D.	d	
66) 1,2,4-Trimethylbenzene	0.00		0	N.D.	d	
67) sec-Butylbenzene	0.00		0	N.D.	d	
68) p-Isopropyltoluene	0.00		0	N.D.	d	
69) 1,3-Dichlorobenzene	0.00		0	N.D.	d	
70) 1,4-Dichlorobenzene	0.00		0	N.D.	d	
71) 1,2-Dichlorobenzene	0.00		0	N.D.	d	
72) 1,2-Dibromo-3-chloropr...	0.00		0	N.D.		
73) 1,2,4-Trichlorobenzene	0.00		0	N.D.	d	
74) Hexachlorobutadiene	0.00		0	N.D.	d	
75) Naphthalene	0.00		0	N.D.	d	
76) 1,2,3-Trichlorobenzene	0.00		0	N.D.	d	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110507.D
 Acq On : 05 Nov 2022 11:57 am
 Operator : VM
 Sample : 0.04 ppb 8260 ICAL 67-177G
 Misc : soil/water
 ALS Vial : 3 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:11 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110507.D
 Acq On : 05 Nov 2022 11:57 am
 Operator : VM
 Sample : 0.04 ppb 8260 ICAL 67-177G
 Misc : soil/water
 ALS Vial : 3 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:11 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 Qlast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I Fluorobenzene	10.000	10.000	0.0	100	0.00
2 TMP Ethanol	-1.000	0.000	0.0	0	0.00
3 S Dibromofluoromethane	10.000	9.462	5.4	100	0.00
4 TMP Dichlorodifluoromethane	-1.000	0.000	0.0	0	-1.12#
5 TMP Chloromethane	-1.000	0.000	0.0	0	-1.26#
6 TMP Vinyl chloride	0.040	0.038	5.0	83	0.00
7 TMP Bromomethane	-1.000	0.000	0.0	0	-1.58#
8 TMP Chloroethane	-1.000	0.000	0.0	0	-1.65#
9 TMP Trichlorofluoromethane	-1.000	0.000	0.0	0	-1.83#
10 TMP 2-Propanol	-1.000	0.000	0.0	0	-2.33#
11 TMP Acetone	-1.000	0.000	0.0	0	-2.33#
12 TMP 1,1-Dichloroethene	0.040	0.042	-5.0	88	-0.01
13 TMP Hexane	-1.000	0.000	0.0	0	-3.16#
14 TMP Methylene chloride	-1.000	0.000	0.0	0	-2.68#
15 TMP t-Butyl alcohol (TBA)	-1.000	0.000	0.0	0	-2.82#
16 TMP Methyl t-butyl ether (MTBE)	0.040	0.040	0.0	97	0.00
17 TMP trans-1,2-Dichloroethene	0.040	0.048	-20.0	100	-0.01
18 TMP Diisopropyl ether (DIPE)	-1.000	0.000	0.0	0	-3.35#
19 TMP 1,1-Dichloroethane	0.040	0.043	-7.5	100	0.00
20 TMP Ethyl t-butyl ether (ETBE)	-1.000	0.000	0.0	0	-3.66#
21 TMP 2,2-Dichloropropane	-1.000	0.000	0.0	0	-3.77#
22 TMP cis-1,2-Dichloroethene	0.040	0.044	-10.0	100	0.00
23 TMP Chloroform	-1.000	0.000	0.0	0	-4.04#
24 TMP 2-Butanone (MEK)	-1.000	0.000	0.0	0	-3.79#
25 TMP t-Amyl methyl ether (TAME)	-1.000	0.000	0.0	0	-4.61#
26 TMP 1,2-Dichloroethane (EDC)	0.040	0.051	-27.5#	107	-0.01
27 TMP 1,1,1-Trichloroethane	0.040	0.043	-7.5	100	0.00
28 TMP 1,1-Dichloropropene	-1.000	0.000	0.0	0	-4.33#
29 TMP Carbon tetrachloride	-1.000	0.000	0.0	0	-4.33#
30 S 1,2-Dichloroethane-d4	10.000	10.387	-3.9	100	0.00
31 TMP Benzene	0.040	0.051	-27.5#	100	0.00
32 TMP Trichloroethene	0.040	0.048	-20.0	102	0.00
33 TMP 1,2-Dichloropropane	-1.000	0.000	0.0	0	-5.24#
34 TMP Bromodichloromethane	-1.000	0.000	0.0	0	-5.48#
35 S Toluene-d8	10.000	9.938	0.6	100	0.00
36 TMP Dibromomethane	-1.000	0.000	0.0	0	-5.35#
37 TMP 4-Methyl-2-pentanone	-1.000	0.000	0.0	0	-6.03#
38 TMP cis-1,3-Dichloropropene	-1.000	0.000	0.0	0	-5.88#
39 I Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40 TMP Toluene	0.040	0.046	-15.0	100	0.00
41 TMP trans-1,3-Dichloropropene	-1.000	0.000	0.0	0	-6.36#
42 TMP 1,1,2-Trichloroethane	0.040	0.048	-20.0	100	0.00
43 TMP 2-Hexanone	-1.000	0.000	0.0	0	-6.76#

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110507.D
 Acq On : 05 Nov 2022 11:57 am
 Operator : VM
 Sample : 0.04 ppb 8260 ICAL 67-177G
 Misc : soil/water
 ALS Vial : 3 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:11 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	-1.000	0.000	0.0	0	-6.68#
45 TMP Tetrachloroethene	0.040	0.039	2.5	100	0.00
46 TMP Dibromochloromethane	-1.000	0.000	0.0	0	-6.88#
47 TMP 1,2-Dibromoethane (EDB)	0.040	0.049	-22.5#	100	0.00
48 TMP Chlorobenzene	-1.000	0.000	0.0	0	-7.43#
49 TMP Ethylbenzene	0.040	0.047	-17.5	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	-1.000	0.000	0.0	0	-7.51#
51 TMP m,p-Xylene	0.080	0.095	-18.8	100	0.00
52 TMP o-Xylene	0.040	0.046	-15.0	100	0.00
53 TMP Styrene	-1.000	0.000	0.0	0	-8.03#
54 TMP Isopropylbenzene	-1.000	0.000	0.0	0	-8.37#
55 TMP Bromoform	-1.000	0.000	0.0	0	-8.20#
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	10.000	10.629	-6.3	100	0.00
58 TMP n-Propylbenzene	-1.000	0.000	0.0	0	-8.77#
59 TMP Bromobenzene	-1.000	0.000	0.0	0	-8.65#
60 TMP 1,3,5-Trimethylbenzene	-1.000	0.000	0.0	0	-8.94#
61 TMP 1,1,2,2-Tetrachloroethane	-1.000	0.000	0.0	0	-8.65#
62 TMP 1,2,3-Trichloropropane	-1.000	0.000	0.0	0	-8.70#
63 TMP 2-Chlorotoluene	-1.000	0.000	0.0	0	-8.84#
64 TMP 4-Chlorotoluene	-1.000	0.000	0.0	0	-8.95#
65 TMP tert-Butylbenzene	-1.000	0.000	0.0	0	-9.25#
66 TMP 1,2,4-Trimethylbenzene	-1.000	0.000	0.0	0	-9.30#
67 TMP sec-Butylbenzene	-1.000	0.000	0.0	0	-9.46#
68 TMP p-Isopropyltoluene	-1.000	0.000	0.0	0	-9.61#
69 TMP 1,3-Dichlorobenzene	-1.000	0.000	0.0	0	-9.56#
70 TMP 1,4-Dichlorobenzene	-1.000	0.000	0.0	0	-9.64#
71 TMP 1,2-Dichlorobenzene	-1.000	0.000	0.0	0	-10.01#
72 TMP 1,2-Dibromo-3-chloropropane	-1.000	0.000	0.0	0	-10.78#
73 TMP 1,2,4-Trichlorobenzene	-1.000	0.000	0.0	0	-11.59#
74 TMP Hexachlorobutadiene	-1.000	0.000	0.0	0	-11.77#
75 TMP Naphthalene	-1.000	0.000	0.0	0	-11.84#
76 TMP 1,2,3-Trichlorobenzene	-1.000	0.000	0.0	0	-12.08#

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110507.D
 Acq On : 05 Nov 2022 11:57 am
 Operator : VM
 Sample : 0.04 ppb 8260 ICAL 67-177G
 Misc : soil/water
 ALS Vial : 3 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:11 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2 TMP	Ethanol	0.000	0.000#	0.0	0#	0.00
3 S	Dibromofluoromethane	0.321	0.303	5.6	100	0.00
4 TMP	Dichlorodifluoromethane	0.800	0.000#	100.0#	0#	-1.12#
5 TMP	Chloromethane	0.488	0.000#	100.0#	0#	-1.26#
6 TMP	Vinyl chloride	0.510	0.479	6.1	83	0.00
7 TMP	Bromomethane	0.432	0.000#	100.0#	0#	-1.58#
8 TMP	Chloroethane	0.229	0.000#	100.0#	0#	-1.65#
9 TMP	Trichlorofluoromethane	1.123	0.000#	100.0#	0#	-1.83#
10 TMP	2-Propanol	0.000	0.000	0.0	0#	-2.33#
11 TMP	Acetone	0.029	0.000#	100.0#	0#	-2.33#
12 TMP	1,1-Dichloroethene	0.285	0.298	-4.6	88	-0.01
13 TMP	Hexane	0.323	0.000#	100.0#	0#	-3.16#
14 TMP	Methylene chloride	0.289	0.000#	100.0#	0#	-2.68#
15 TMP	t-Butyl alcohol (TBA)	0.024	0.000#	100.0#	0#	-2.82#
16 TMP	Methyl t-butyl ether (MTBE)	0.666	0.669	-0.5	97	0.00
17 TMP	trans-1,2-Dichloroethene	0.318	0.385	-21.1#	100	-0.01
18 TMP	Diisopropyl ether (DIPE)	0.698	0.000#	100.0#	0#	-3.35#
19 TMP	1,1-Dichloroethane	0.463	0.494	-6.7	100	0.00
20 TMP	Ethyl t-butyl ether (ETBE)	0.258	0.000#	100.0#	0#	-3.66#
21 TMP	2,2-Dichloropropane	0.258	0.000#	100.0#	0#	-3.77#
22 TMP	cis-1,2-Dichloroethene	0.333	0.369	-10.8	100	0.00
23 TMP	Chloroform	0.539	0.000#	100.0#	0#	-4.04#
24 TMP	2-Butanone (MEK)	0.132	0.000#	100.0#	0#	-3.79#
25 TMP	t-Amyl methyl ether (TAME)	0.540	0.000#	100.0#	0#	-4.61#
26 TMP	1,2-Dichloroethane (EDC)	0.465	0.913	-96.3#	107	-0.01
27 TMP	1,1,1-Trichloroethane	0.482	0.515	-6.8	100	0.00
28 TMP	1,1-Dichloropropene	0.370	0.000#	100.0#	0#	-4.33#
29 TMP	Carbon tetrachloride	0.485	0.000#	100.0#	0#	-4.33#
30 S	1,2-Dichloroethane-d4	0.062	0.065	-4.8	100	0.00
31 TMP	Benzene	1.118	1.425	-27.5#	100	0.00
32 TMP	Trichloroethene	0.367	0.438	-19.3	102	0.00
33 TMP	1,2-Dichloropropane	0.241	0.000#	100.0#	0#	-5.24#
34 TMP	Bromodichloromethane	0.387	0.000#	100.0#	0#	-5.48#
35 S	Toluene-d8	0.954	0.948	0.6	100	0.00
36 TMP	Dibromomethane	0.219	0.000#	100.0#	0#	-5.35#
37 TMP	4-Methyl-2-pentanone	0.042	0.000#	100.0#	0#	-6.03#
38 TMP	cis-1,3-Dichloropropene	0.360	0.000#	100.0#	0#	-5.88#
39 I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40 TMP	Toluene	0.907	1.257	-38.6#	100	0.00
41 TMP	trans-1,3-Dichloropropene	0.366	0.000#	100.0#	0#	-6.36#
42 TMP	1,1,2-Trichloroethane	0.285	0.403	-41.4#	100	0.00
43 TMP	2-Hexanone	0.190	0.000#	100.0#	0#	-6.76#

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110507.D
 Acq On : 05 Nov 2022 11:57 am
 Operator : VM
 Sample : 0.04 ppb 8260 ICAL 67-177G
 Misc : soil/water
 ALS Vial : 3 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:11 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.457	0.000#	100.0#	0#	-6.68#
45 TMP Tetrachloroethene	0.460	0.589	-28.0#	100	0.00
46 TMP Dibromochloromethane	0.451	0.000#	100.0#	0#	-6.88#
47 TMP 1,2-Dibromoethane (EDB)	0.360	0.441	-22.5#	100	0.00
48 TMP Chlorobenzene	0.993	0.000#	100.0#	0#	-7.43#
49 TMP Ethylbenzene	1.557	1.840	-18.2	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.387	0.000#	100.0#	0#	-7.51#
51 TMP m,p-Xylene	0.612	0.724	-18.3	100	0.00
52 TMP o-Xylene	0.591	0.673	-13.9	100	0.00
53 TMP Styrene	0.887	0.000#	100.0#	0#	-8.03#
54 TMP Isopropylbenzene	1.435	0.000#	100.0#	0#	-8.37#
55 TMP Bromoform	0.299	0.000#	100.0#	0#	-8.20#
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	0.689	0.732	-6.2	100	0.00
58 TMP n-Propylbenzene	2.700	0.000#	100.0#	0#	-8.77#
59 TMP Bromobenzene	0.837	0.000#	100.0#	0#	-8.65#
60 TMP 1,3,5-Trimethylbenzene	1.968	0.000#	100.0#	0#	-8.94#
61 TMP 1,1,2,2-Tetrachloroethane	0.626	0.000#	100.0#	0#	-8.65#
62 TMP 1,2,3-Trichloropropane	0.486	0.000#	100.0#	0#	-8.70#
63 TMP 2-Chlorotoluene	1.617	0.000#	100.0#	0#	-8.84#
64 TMP 4-Chlorotoluene	1.912	0.000#	100.0#	0#	-8.95#
65 TMP tert-Butylbenzene	1.952	0.000#	100.0#	0#	-9.25#
66 TMP 1,2,4-Trimethylbenzene	1.996	0.000#	100.0#	0#	-9.30#
67 TMP sec-Butylbenzene	2.624	0.000#	100.0#	0#	-9.46#
68 TMP p-Isopropyltoluene	2.387	0.000#	100.0#	0#	-9.61#
69 TMP 1,3-Dichlorobenzene	1.530	0.000#	100.0#	0#	-9.56#
70 TMP 1,4-Dichlorobenzene	1.564	0.000#	100.0#	0#	-9.64#
71 TMP 1,2-Dichlorobenzene	1.455	0.000#	100.0#	0#	-10.01#
72 TMP 1,2-Dibromo-3-chloropropane	0.108	0.000#	100.0#	0#	-10.78#
73 TMP 1,2,4-Trichlorobenzene	0.971	0.000#	100.0#	0#	-11.59#
74 TMP Hexachlorobutadiene	0.600	0.000#	100.0#	0#	-11.77#
75 TMP Naphthalene	1.833	0.000#	100.0#	0#	-11.84#
76 TMP 1,2,3-Trichlorobenzene	0.846	0.000#	100.0#	0#	-12.08#

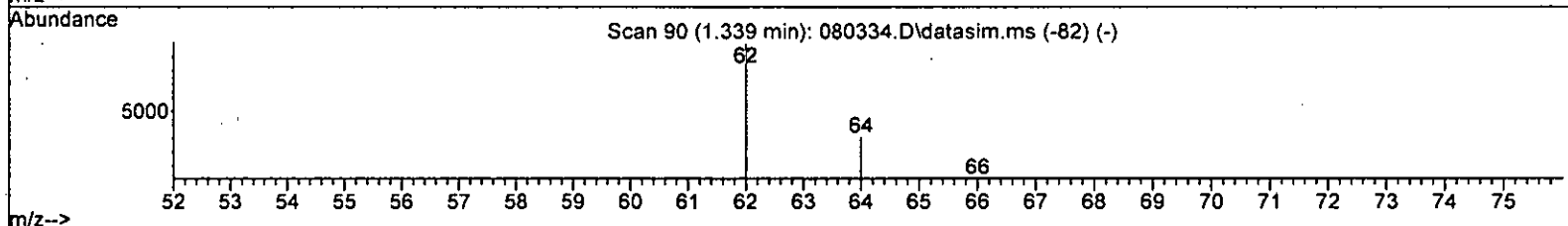
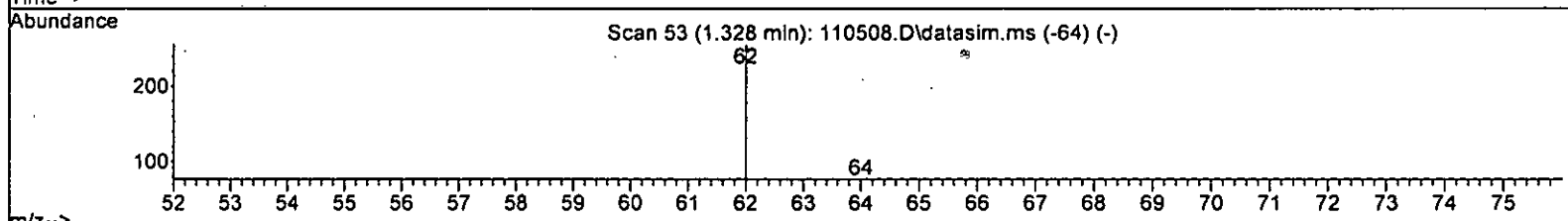
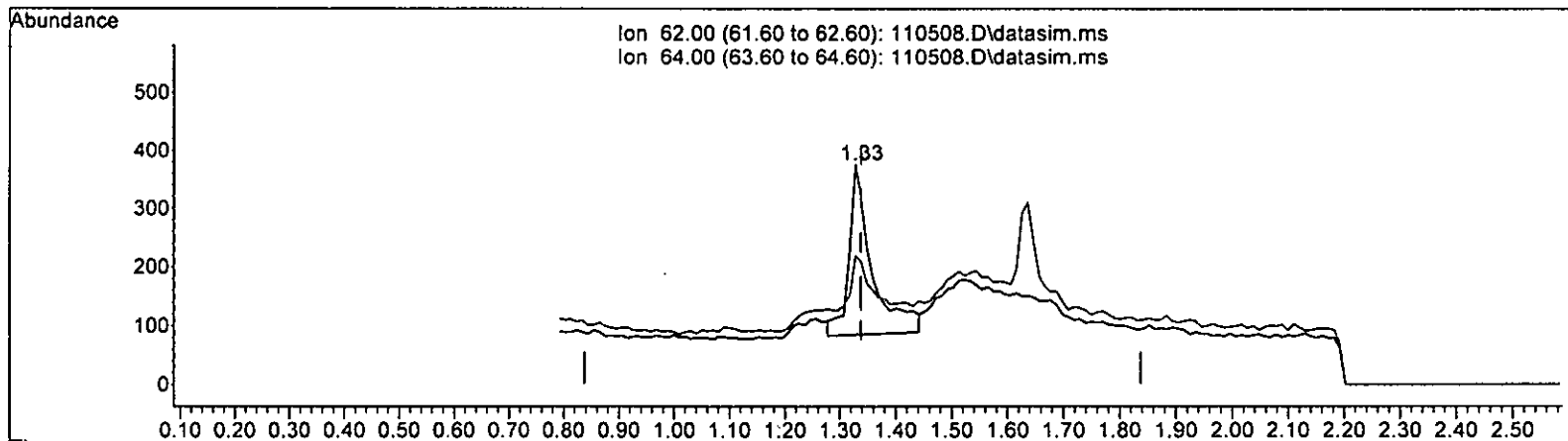
(#) = Out of Range

SPCC's out = 51 CCC's out = 0

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110508.D
 Acq On : 05 Nov 2022 12:20 pm
 Operator : VM
 Sample : 0.1 ppb 8260 ICAL 67-177H
 Misc : soil/water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:13 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110508.D\data.ms

(6) Vinyl chloride (TMP)

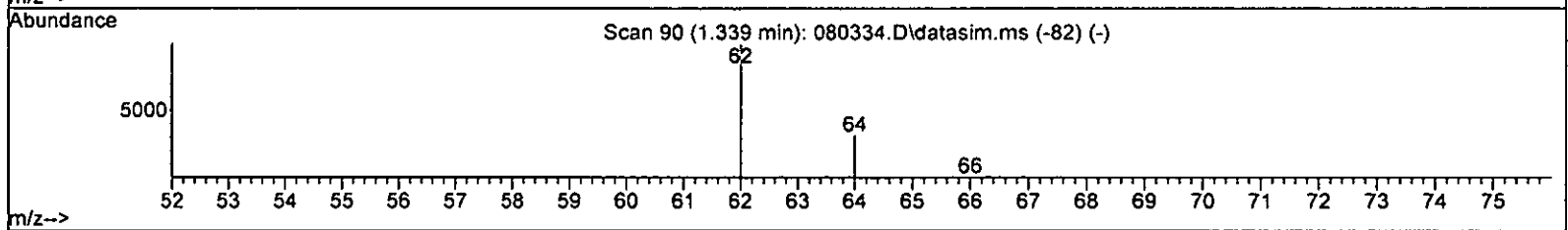
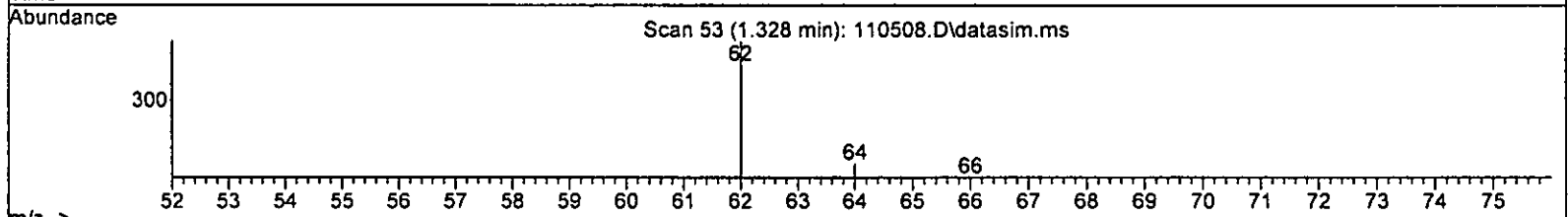
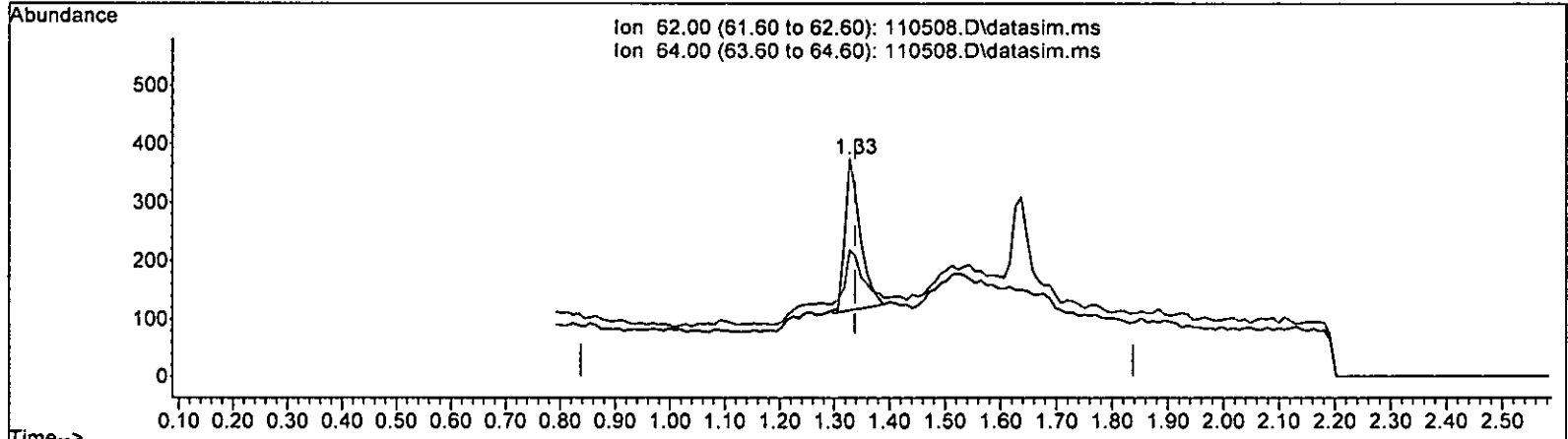
1.328min (-0.010) 0.148 ppb

response	825
Ion	Exp% Act%
62.00	100.00 100.00
64.00	34.40 34.08
0.00	0.00 0.00
0.00	0.00 0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110508.D
 Acq On : 05 Nov 2022 12:20 pm
 Operator : VM
 Sample : 0.1 ppb 8260 ICAL 67-177H
 Misc : soil/water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:13 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110508.D\data.ms

(6) Vinyl chloride (TMP)

1.328min (-0.010) 0.089 ppb m

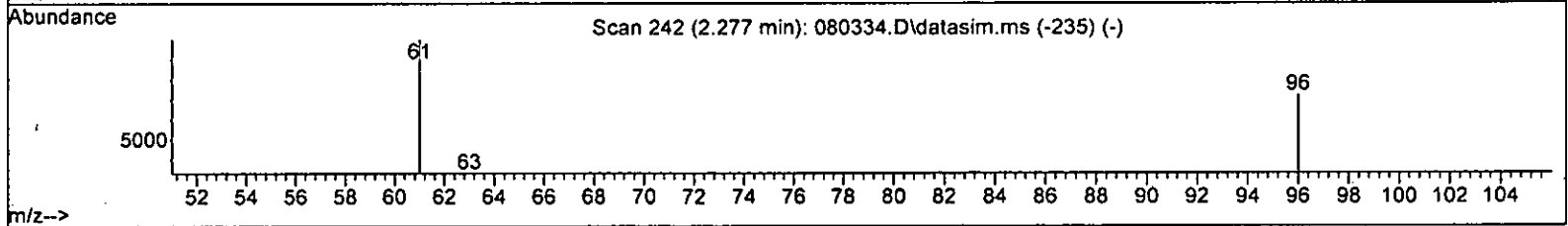
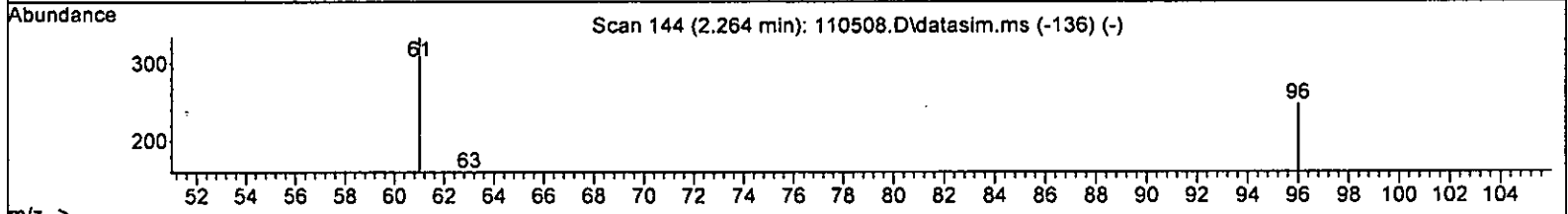
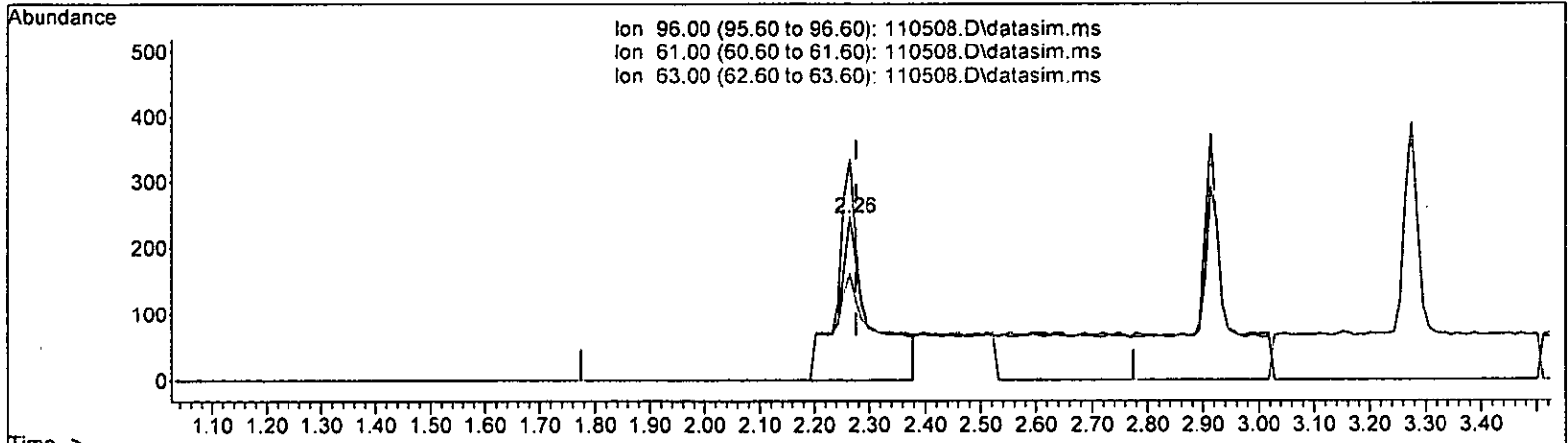
response 497

Ion	Exp%	Act%
62.00	100.00	100.00
64.00	34.40	58.40
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110508.D
 Acq On : 05 Nov 2022 12:20 pm
 Operator : VM
 Sample : 0.1 ppb 8260 ICAL 67-177H
 Misc : soil/water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:13 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110508.D\data.ms

(12) 1,1-Dichloroethene (TMP)

2.264min (-0.011) 0.342 ppb

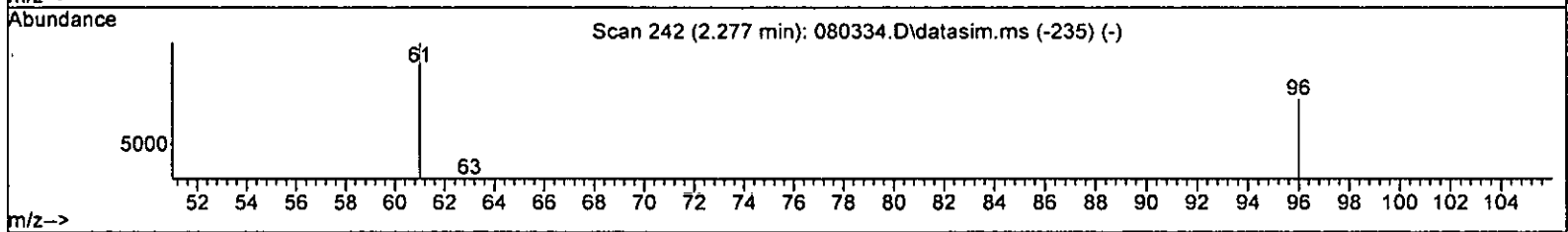
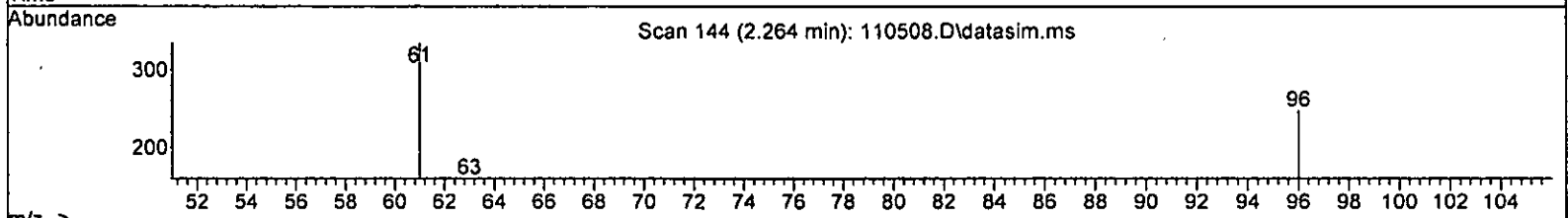
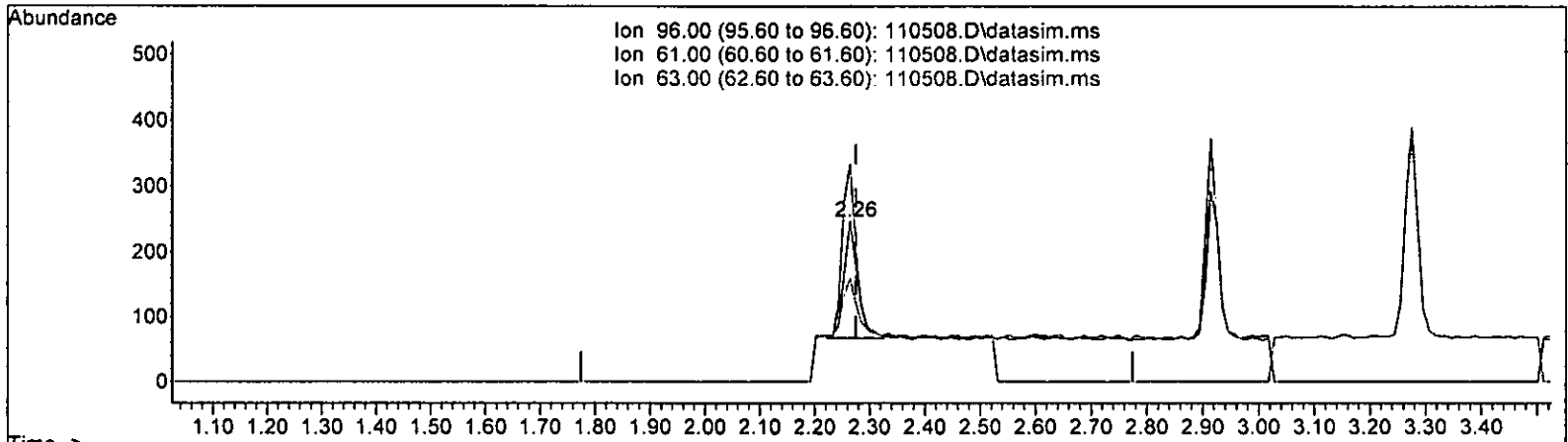
response 1066

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	120.90	135.22
63.00	43.90	64.78
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110508.D
 Acq On : 05 Nov 2022 12:20 pm
 Operator : VM
 Sample : 0.1 ppb 8260 ICAL 67-177H
 Misc : soil/water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:13 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110508.D\data.ms

(12) 1,1-Dichloroethene (TMP)

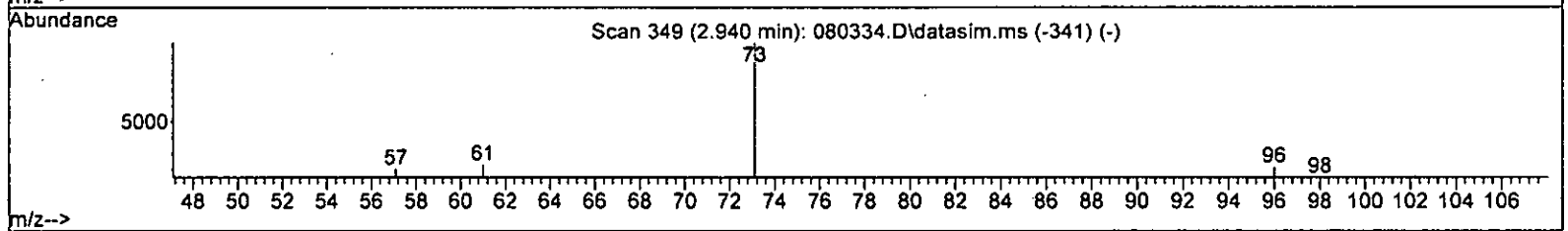
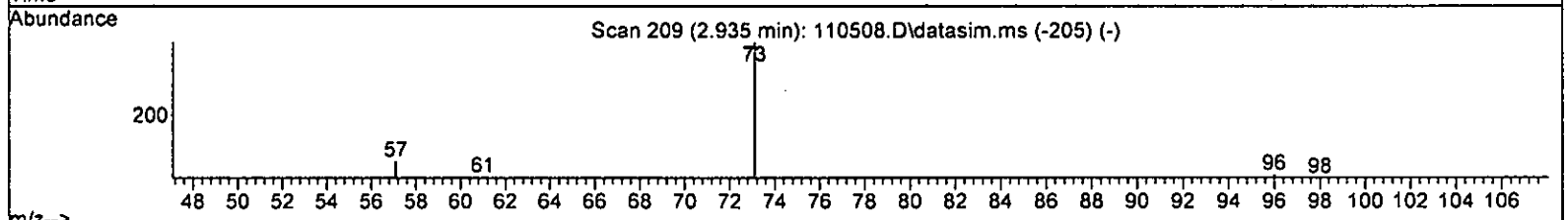
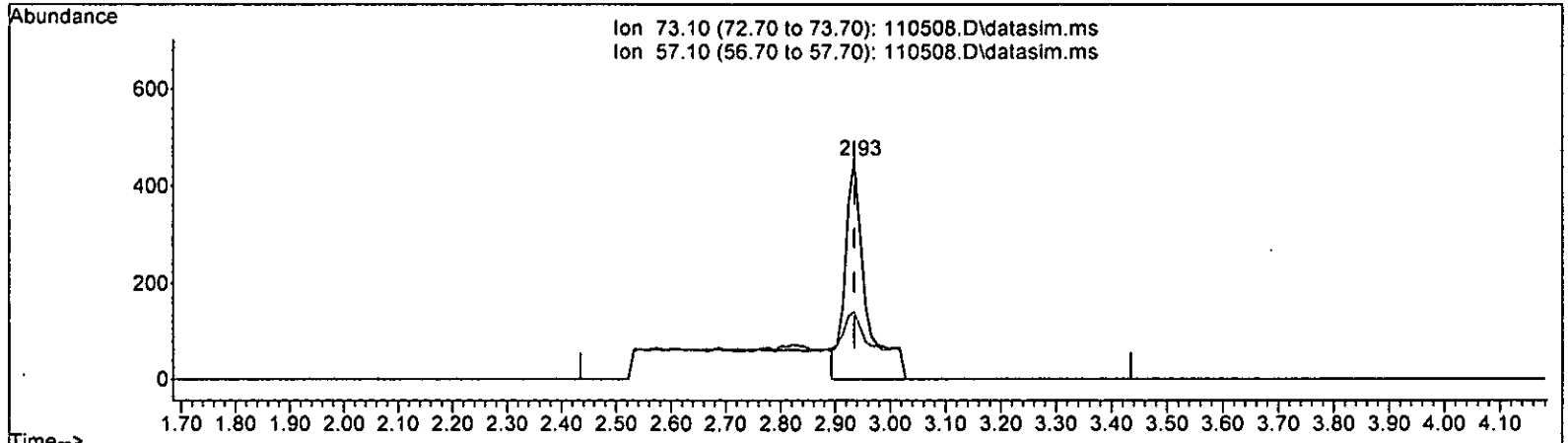
2.264min (-0.011) 0.100 ppb m

response	312	
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	120.90	135.22
63.00	43.90	64.78
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110508.D
 Acq On : 05 Nov 2022 12:20 pm
 Operator : VM
 Sample : 0.1 ppb 8260 ICAL 67-177H
 Misc : soil/water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:13 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110508.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

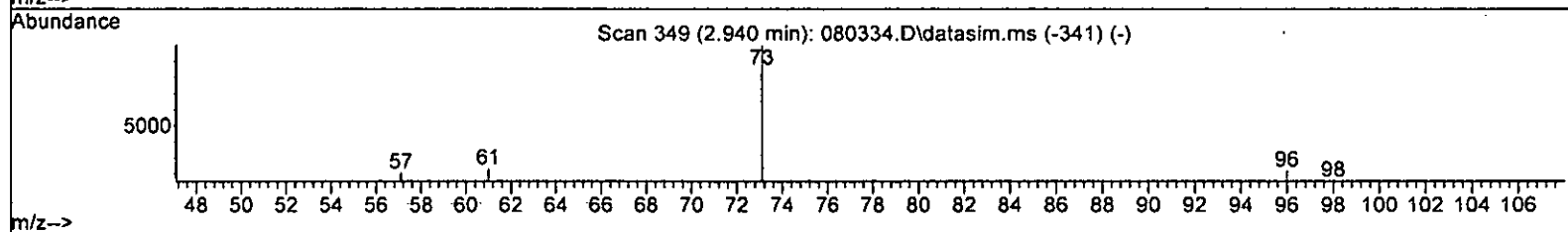
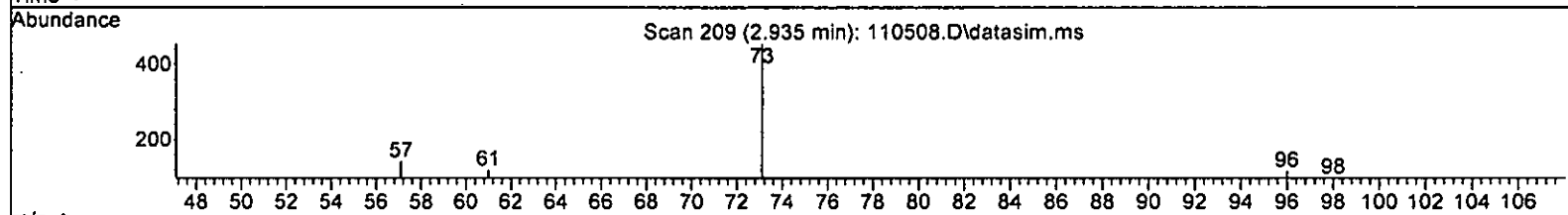
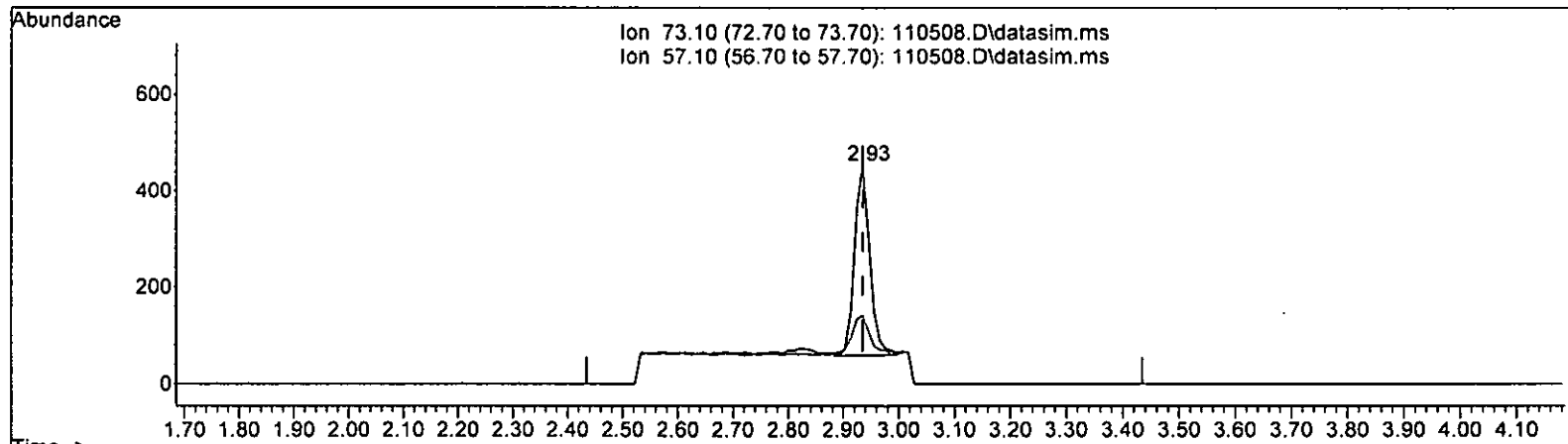
2.935min (-0.000) 0.163 ppb

response	1187	
Ion	Exp%	Act%
73.10	100.00	100.00
57.10	19.40	31.13
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110508.D
 Acq On : 05 Nov 2022 12:20 pm
 Operator : VM
 Sample : 0.1 ppb 8260 ICAL 67-177H
 Misc : soil/water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:13 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110508.D\data.ms

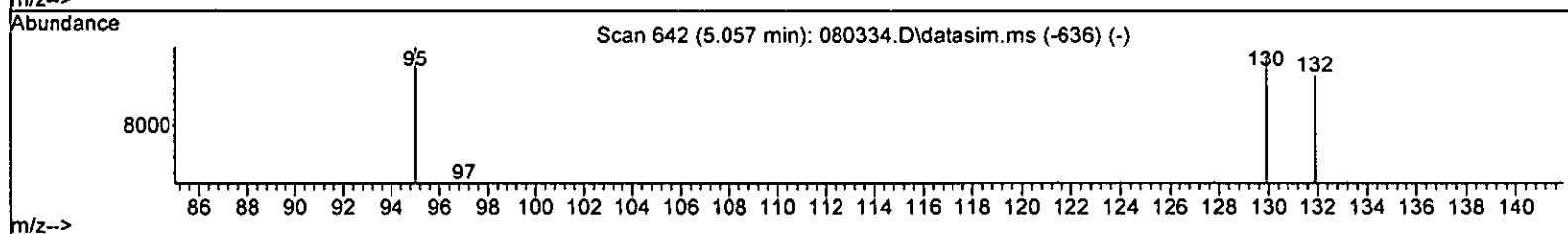
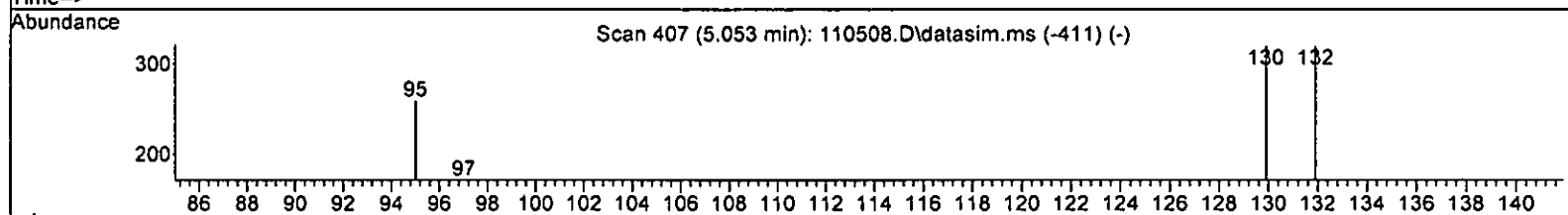
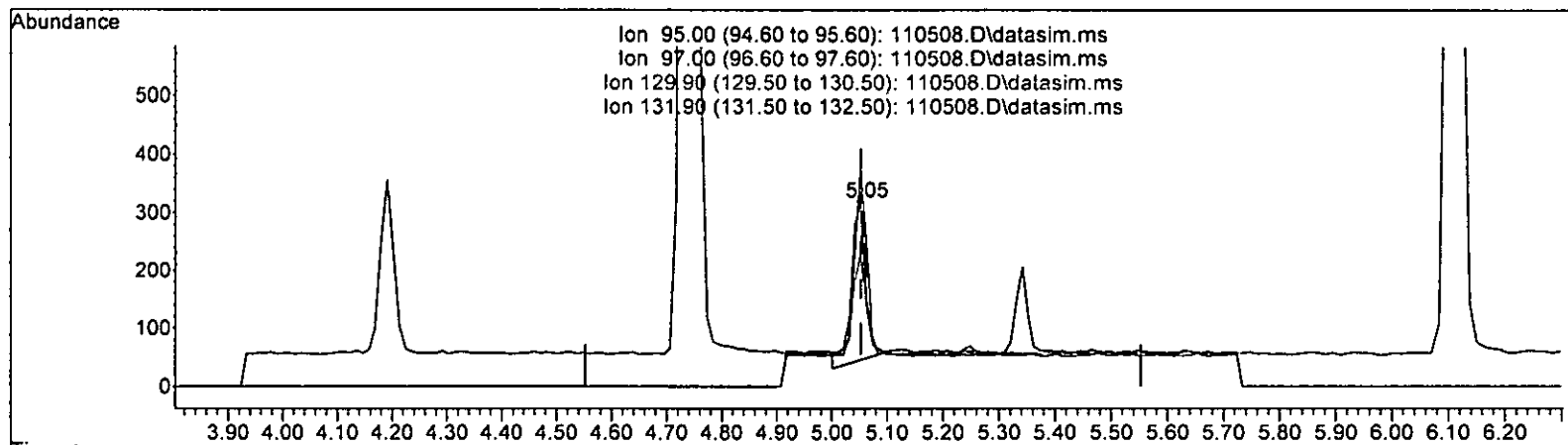
(16) Methyl t-butyl ether (MTBE) (TMP)
 2.935min (-0.000) 0.102 ppb m

response	741	
Ion	Exp%	Act%
73.10	100.00	100.00
57.10	19.40	31.13
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110508.D
 Acq On : 05 Nov 2022 12:20 pm
 Operator : VM
 Sample : 0.1 ppb 8260 ICAL 67-177H
 Misc : soil/water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:13 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



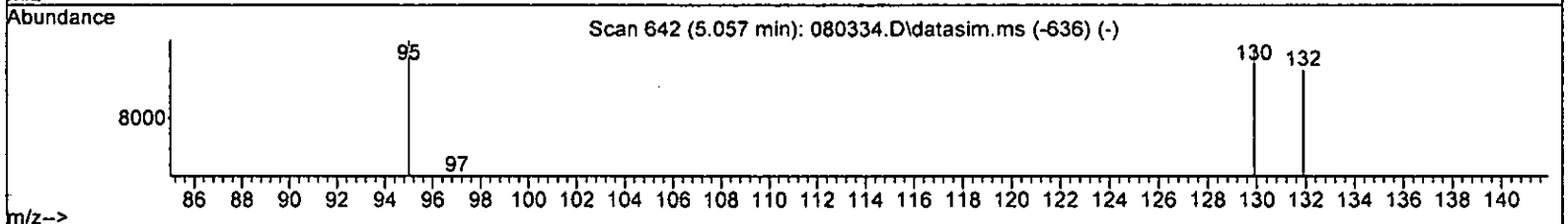
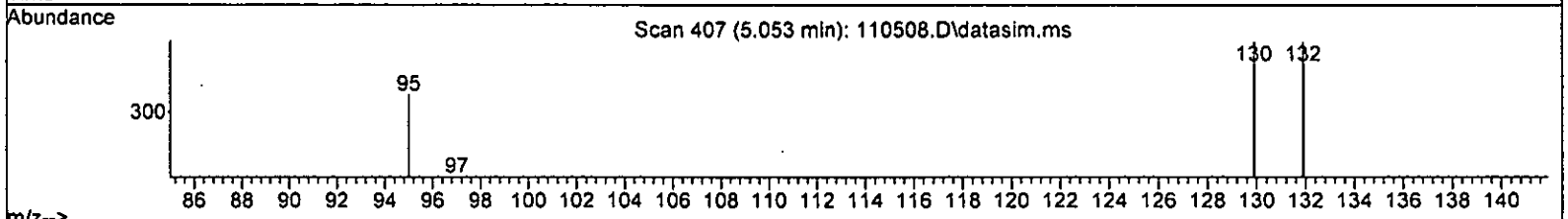
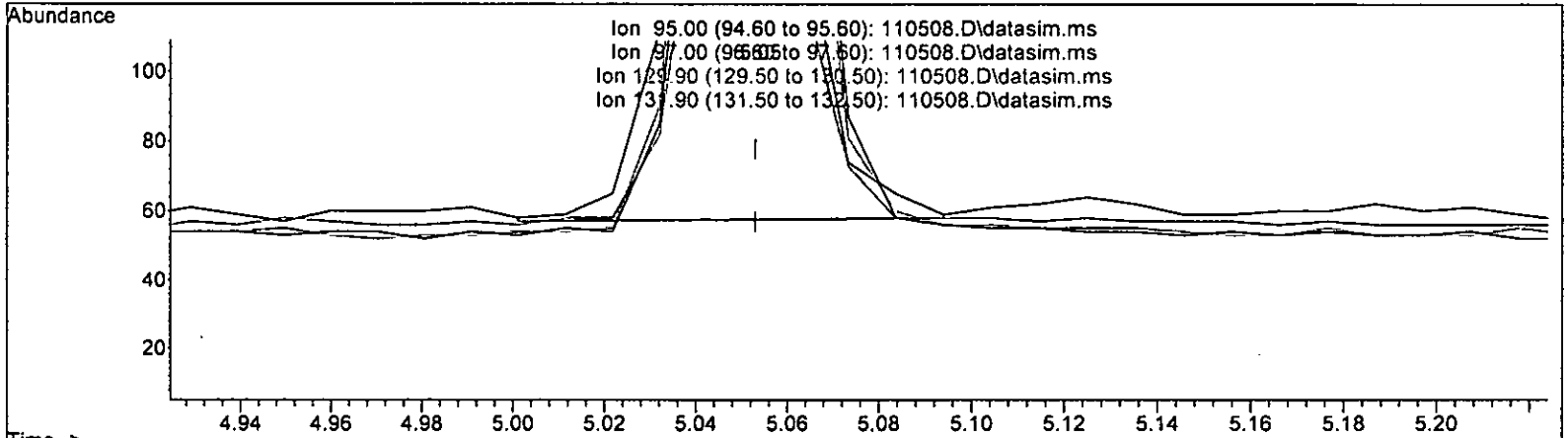
TIC: 110508.D\data.ms

(32) Trichloroethene (TME)		
5.053min (-0.000)	0.121 ppb	
response	484	
Ion	Exp%	Act%
95.00	100.00	100.00
97.00	64.60	66.54
129.90	103.40	123.85
131.90	95.80	123.85

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110508.D
 Acq On : 05 Nov 2022 12:20 pm
 Operator : VM
 Sample : 0.1 ppb 8260 ICAL 67-177H
 Misc : soil/water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:13 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110508.D\data.ms.

(32) Trichloroethene (TME)

5.053min (-0.000) 0.102 ppb m

response 411

Ion	Exp%	Act%
95.00	100.00	100.00
97.00	64.60	72.01
129.90	103.40	118.24
131.90	95.80	117.92

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110508.D
 Acq On : 05 Nov 2022 12:20 pm
 Operator : VM
 Sample : 0.1 ppb 8260 ICAL 67-177H
 Misc : soil/water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:13 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	4.73	96	109470	10.000	ppb	-0.01	
39) Chlorobenzene-d5	7.40	117	90583	10.000	ppb	0.00	
56) 1,4-Dichlorobenzene-d4	9.62	152	50314	10.000	ppb	0.00	
System Monitoring Compounds							
3) Dibromofluoromethane	4.18	113	35688	10.166	ppb	0.00	
Spiked Amount	10.000	Range	50 - 150	Recovery	=	101.70%	
30) 1,2-Dichloroethane-d4	4.45	102	7083	10.411	ppb	0.00	
Spiked Amount	10.000	Range	84 - 120	Recovery	=	104.10%	
35) Toluene-d8	6.11	98	104488	10.008	ppb	0.00	
Spiked Amount	10.000	Range	73 - 128	Recovery	=	100.10%	
57) 4-Bromofluorobenzene	8.51	95	36575	10.550	ppb	0.00	
Spiked Amount	10.000	Range	57 - 146	Recovery	=	105.50%	
Target Compounds							
							Qvalue
2) Ethanol	2.34	45	221	No Calib			
4) Dichlorodifluoromethane	0.00		0	N.D.	d		
5) Chloromethane	0.00		0	N.D.	d		
6] Vinyl chloride	1.33	62	497m	0.089	ppb		
7) Bromomethane	0.00		0	N.D.	d		
8) Chloroethane	0.00		0	N.D.	d		
9) Trichlorofluoromethane	0.00		0	N.D.	d		
10) 2-Propanol	0.00		0	N.D.	d		
11) Acetone	0.00		0	N.D.	d		
12] 1,1-Dichloroethene	2.26	96	312m	0.100	ppb		
13) Hexane	0.00		0	N.D.	d		
14) Methylene chloride	0.00		0	N.D.	d		
15) t-Butyl alcohol (TBA)	0.00		0	N.D.	d		
16] Methyl t-butyl ether (...)	2.93	73	741m	0.102	ppb		
17] trans-1,2-Dichloroethene	2.91	96	356	0.102	ppb		82
18) Diisopropyl ether (DIPE)	0.00		0	N.D.	d		
19] 1,1-Dichloroethane	3.27	63	521	0.103	ppb		97
20) Ethyl t-butyl ether (E...)	0.00		0	N.D.	d		
21) 2,2-Dichloropropane	0.00		0	N.D.	d		
22] cis-1,2-Dichloroethene	3.77	96	375	0.103	ppb		97
23) Chloroform	0.00		0	N.D.	d		
24) 2-Butanone (MEK)	0.00		0	N.D.	d		
25) t-Amyl methyl ether (T...)	0.00		0	N.D.	d		
26] 1,2-Dichloroethane (EDC)	4.52	62	601	0.096	ppb		93
27] 1,1,1-Trichloroethane	4.19	97	516	0.098	ppb		93
28) 1,1-Dichloropropene	0.00		0	N.D.	d		
29) Carbon tetrachloride	0.00		0	N.D.	d		
31] Benzene	4.50	78	1279	0.104	ppb		99
32] Trichloroethene	5.05	95	411m	0.102	ppb		
33) 1,2-Dichloropropane	0.00		0	N.D.	d		
34) Bromodichloromethane	0.00		0	N.D.	d		
36) Dibromomethane	0.00		0	N.D.	d		

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110508.D
 Acq On : 05 Nov 2022 12:20 pm
 Operator : VM
 Sample : 0.1 ppb 8260 ICAL 67-177H
 Misc : soil/water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

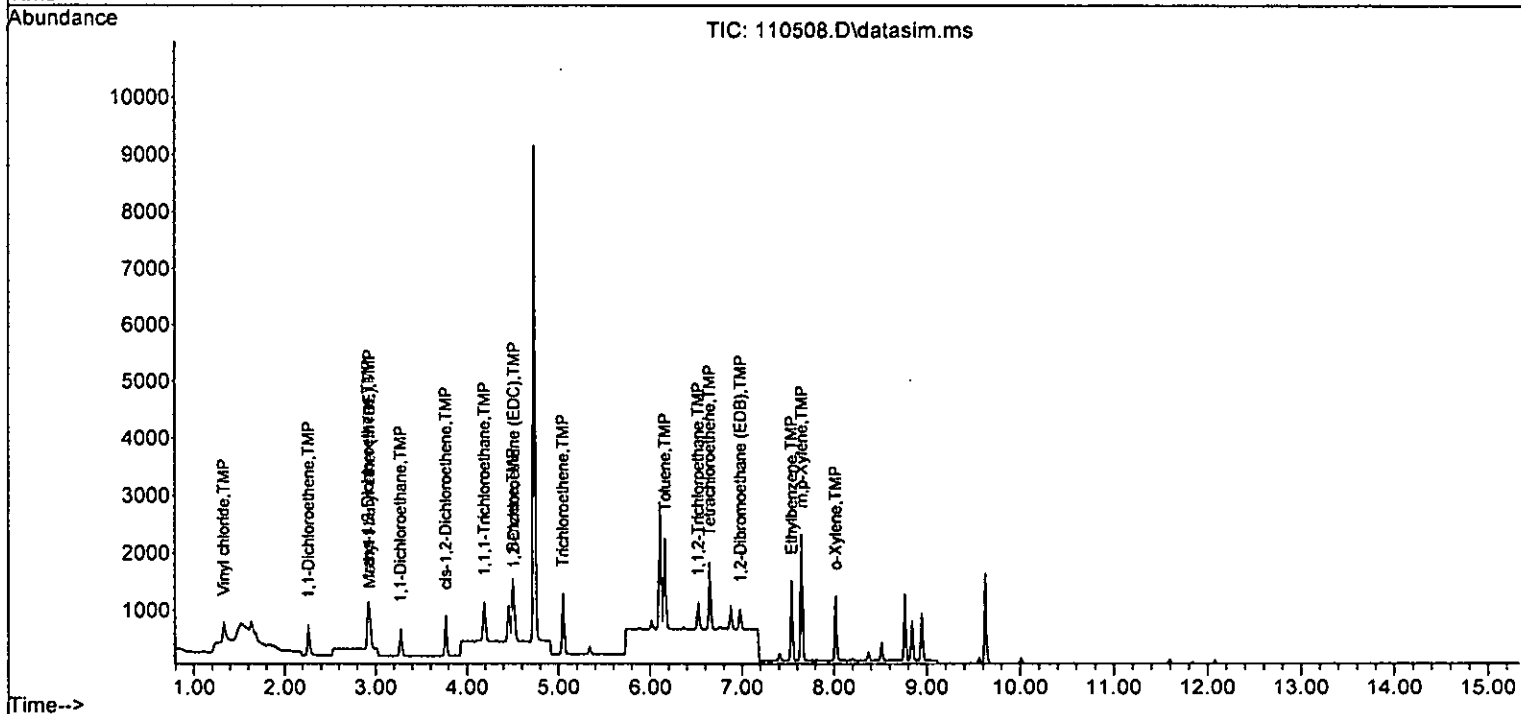
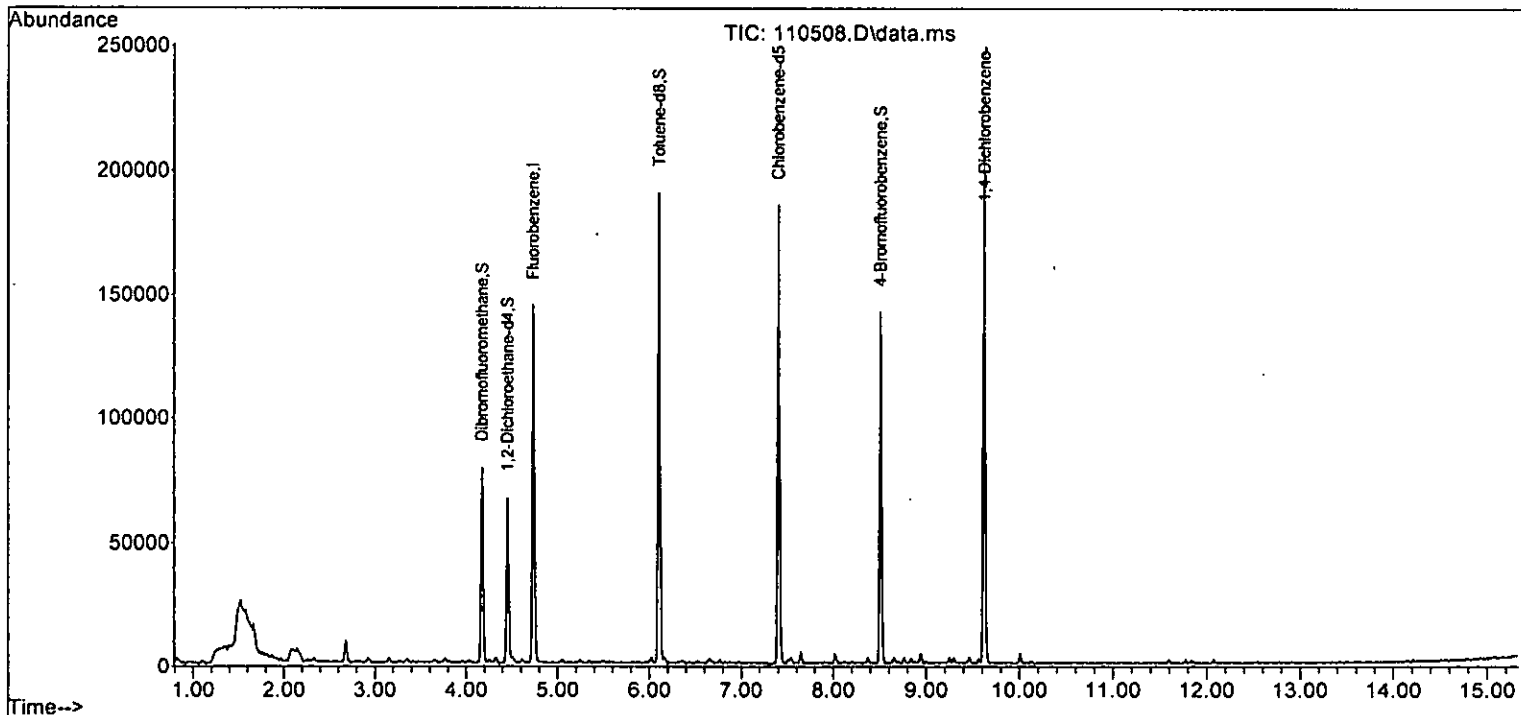
Quant Time: Nov 07 15:17:13 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.00		0	N.D.	d	
38) cis-1,3-Dichloropropene	0.00		0	N.D.	d	
40] Toluene	6.16	92	862	0.102	ppb	99
41) trans-1,3-Dichloropropene	0.00		0	N.D.	d	
42] 1,1,2-Trichloroethane	6.53	83	254	0.094	ppb	87
43) 2-Hexanone	0.00		0	N.D.	d	
44) 1,3-Dichloropropane	0.00		0	N.D.	d	
45] Tetrachloroethene	6.65	164	432	0.101	ppb	95
46) Dibromochloromethane	0.00		0	N.D.	d	
47] 1,2-Dibromoethane (EDB)	6.98	107	312	0.096	ppb	95
48) Chlorobenzene	0.00		0	N.D.	d	
49] Ethylbenzene	7.54	91	1419	0.101	ppb	94
50) 1,1,1,2-Tetrachloroethane	0.00		0	N.D.	d	
51] m,p-Xylene	7.65	106	1086	0.196	ppb	89
52] o-Xylene	8.02	106	541	0.101	ppb	85
53) Styrene	0.00		0	N.D.	d	
54) Isopropylbenzene	0.00		0	N.D.	d	
55) Bromoform	0.00		0	N.D.	d	
58) n-Propylbenzene	0.00		0	N.D.	d	
59) Bromobenzene	0.00		0	N.D.	d	
60) 1,3,5-Trimethylbenzene	0.00		0	N.D.	d	
61) 1,1,2,2-Tetrachloroethane	0.00		0	N.D.	d	
62) 1,2,3-Trichloropropane	0.00		0	N.D.	d	
63) 2-Chlorotoluene	0.00		0	N.D.	d	
64) 4-Chlorotoluene	0.00		0	N.D.	d	
65) tert-Butylbenzene	0.00		0	N.D.	d	
66) 1,2,4-Trimethylbenzene	0.00		0	N.D.	d	
67) sec-Butylbenzene	0.00		0	N.D.	d	
68) p-Isopropyltoluene	0.00		0	N.D.	d	
69) 1,3-Dichlorobenzene	0.00		0	N.D.	d	
70) 1,4-Dichlorobenzene	0.00		0	N.D.	d	
71) 1,2-Dichlorobenzene	0.00		0	N.D.	d	
72) 1,2-Dibromo-3-chloropr...	0.00		0	N.D.	d	
73) 1,2,4-Trichlorobenzene	0.00		0	N.D.	d	
74) Hexachlorobutadiene	0.00		0	N.D.	d	
75) Naphthalene	0.00		0	N.D.	d	
76) 1,2,3-Trichlorobenzene	0.00		0	N.D.	d	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110508.D
 Acq On : 05 Nov 2022 12:20 pm
 Operator : VM
 Sample : 0.1 ppb 8260 ICAL 67-177H
 Misc : soil/water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:13 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110508.D
 Acq On : 05 Nov 2022 12:20 pm
 Operator : VM
 Sample : 0.1 ppb 8260 ICAL 67-177H
 Misc : soil/water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:13 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I Fluorobenzene	10.000	10.000	0.0	100	-0.01
2 TMP Ethanol	-1.000	0.000	0.0	0	0.01
3 S Dibromofluoromethane	10.000	10.166	-1.7	100	0.00
4 TMP Dichlorodifluoromethane	-1.000	0.000	0.0	0	-1.12#
5 TMP Chloromethane	-1.000	0.000	0.0	0	-1.26#
6 TMP Vinyl chloride	0.100	0.089	11.0	96	-0.01
7 TMP Bromomethane	-1.000	0.000	0.0	0	-1.58#
8 TMP Chloroethane	-1.000	0.000	0.0	0	-1.65#
9 TMP Trichlorofluoromethane	-1.000	0.000	0.0	0	-1.83#
10 TMP 2-Propanol	-1.000	0.000	0.0	0	-2.33#
11 TMP Acetone	-1.000	0.000	0.0	0	-2.33#
12 TMP 1,1-Dichloroethene	0.100	0.100	0.0	100	-0.01
13 TMP Hexane	-1.000	0.000	0.0	0	-3.16#
14 TMP Methylene chloride	-1.000	0.000	0.0	0	-2.68#
15 TMP t-Butyl alcohol (TBA)	-1.000	0.000	0.0	0	-2.82#
16 TMP Methyl t-butyl ether (MTBE)	0.100	0.102	-2.0	98	0.00
17 TMP trans-1,2-Dichloroethene	0.100	0.102	-2.0	100	-0.01
18 TMP Diisopropyl ether (DIPE)	-1.000	0.000	0.0	0	-3.35#
19 TMP 1,1-Dichloroethane	0.100	0.103	-3.0	100	0.00
20 TMP Ethyl t-butyl ether (ETBE)	-1.000	0.000	0.0	0	-3.66#
21 TMP 2,2-Dichloropropane	-1.000	0.000	0.0	0	-3.77#
22 TMP cis-1,2-Dichloroethene	0.100	0.103	-3.0	100	0.00
23 TMP Chloroform	-1.000	0.000	0.0	0	-4.04#
24 TMP 2-Butanone (MEK)	-1.000	0.000	0.0	0	-3.79#
25 TMP t-Amyl methyl ether (TAME)	-1.000	0.000	0.0	0	-4.61#
26 TMP 1,2-Dichloroethane (EDC)	0.100	0.096	4.0	108	-0.01
27 TMP 1,1,1-Trichloroethane	0.100	0.098	2.0	100	0.00
28 TMP 1,1-Dichloropropene	-1.000	0.000	0.0	0	-4.33#
29 TMP Carbon tetrachloride	-1.000	0.000	0.0	0	-4.33#
30 S 1,2-Dichloroethane-d4	10.000	10.411	-4.1	100	0.00
31 TMP Benzene	0.100	0.104	-4.0	100	0.00
32 TMP Trichloroethene	0.100	0.102	-2.0	96	0.00
33 TMP 1,2-Dichloropropane	-1.000	0.000	0.0	0	-5.24#
34 TMP Bromodichloromethane	-1.000	0.000	0.0	0	-5.48#
35 S Toluene-d8	10.000	10.008	-0.1	100	0.00
36 TMP Dibromomethane	-1.000	0.000	0.0	0	-5.35#
37 TMP 4-Methyl-2-pentanone	-1.000	0.000	0.0	0	-6.03#
38 TMP cis-1,3-Dichloropropene	-1.000	0.000	0.0	0	-5.88#
39 I Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40 TMP Toluene	0.100	0.102	-2.0	100	0.00
41 TMP trans-1,3-Dichloropropene	-1.000	0.000	0.0	0	-6.36#
42 TMP 1,1,2-Trichloroethane	0.100	0.094	6.0	100	0.00
43 TMP 2-Hexanone	-1.000	0.000	0.0	0	-6.76#

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110508.D
 Acq On : 05 Nov 2022 12:20 pm
 Operator : VM
 Sample : 0.1 ppb 8260 ICAL 67-177H
 Misc : soil/water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:13 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	-1.000	0.000	0.0	0	-6.68#
45 TMP Tetrachloroethene	0.100	0.101	-1.0	100	0.00
46 TMP Dibromochloromethane	-1.000	0.000	0.0	0	-6.88#
47 TMP 1,2-Dibromoethane (EDB)	0.100	0.096	4.0	100	0.00
48 TMP Chlorobenzene	-1.000	0.000	0.0	0	-7.43#
49 TMP Ethylbenzene	0.100	0.101	-1.0	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	-1.000	0.000	0.0	0	-7.51#
51 TMP m,p-Xylene	0.200	0.196	2.0	100	0.00
52 TMP o-Xylene	0.100	0.101	-1.0	100	0.00
53 TMP Styrene	-1.000	0.000	0.0	0	-8.03#
54 TMP Isopropylbenzene	-1.000	0.000	0.0	0	-8.37#
55 TMP Bromoform	-1.000	0.000	0.0	0	-8.20#
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	10.000	10.550	-5.5	100	0.00
58 TMP n-Propylbenzene	-1.000	0.000	0.0	0	-8.77#
59 TMP Bromobenzene	-1.000	0.000	0.0	0	-8.65#
60 TMP 1,3,5-Trimethylbenzene	-1.000	0.000	0.0	0	-8.94#
61 TMP 1,1,2,2-Tetrachloroethane	-1.000	0.000	0.0	0	-8.65#
62 TMP 1,2,3-Trichloropropane	-1.000	0.000	0.0	0	-8.70#
63 TMP 2-Chlorotoluene	-1.000	0.000	0.0	0	-8.84#
64 TMP 4-Chlorotoluene	-1.000	0.000	0.0	0	-8.95#
65 TMP tert-Butylbenzene	-1.000	0.000	0.0	0	-9.25#
66 TMP 1,2,4-Trimethylbenzene	-1.000	0.000	0.0	0	-9.30#
67 TMP sec-Butylbenzene	-1.000	0.000	0.0	0	-9.46#
68 TMP p-Isopropyltoluene	-1.000	0.000	0.0	0	-9.61#
69 TMP 1,3-Dichlorobenzene	-1.000	0.000	0.0	0	-9.56#
70 TMP 1,4-Dichlorobenzene	-1.000	0.000	0.0	0	-9.64#
71 TMP 1,2-Dichlorobenzene	-1.000	0.000	0.0	0	-10.01#
72 TMP 1,2-Dibromo-3-chloropropane	-1.000	0.000	0.0	0	-10.78#
73 TMP 1,2,4-Trichlorobenzene	-1.000	0.000	0.0	0	-11.59#
74 TMP Hexachlorobutadiene	-1.000	0.000	0.0	0	-11.77#
75 TMP Naphthalene	-1.000	0.000	0.0	0	-11.84#
76 TMP 1,2,3-Trichlorobenzene	-1.000	0.000	0.0	0	-12.08#

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110508.D
 Acq On : 05 Nov 2022 12:20 pm
 Operator : VM
 Sample : 0.1 ppb 8260 ICAL 67-177H
 Misc : soil/water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:13 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	1.000	1.000	0.0	100	-0.01
2 TMP	Ethanol	0.000	0.000#	0.0	0#	0.01
3 S	Dibromofluoromethane	0.321	0.326	-1.6	100	0.00
4 TMP	Dichlorodifluoromethane	0.800	0.000#	100.0#	0#	-1.12#
5 TMP	Chloromethane	0.488	0.000#	100.0#	0#	-1.26#
6 TMP	Vinyl chloride	0.510	0.454	11.0	96	-0.01
7 TMP	Bromomethane	0.432	0.000#	100.0#	0#	-1.58#
8 TMP	Chloroethane	0.229	0.000#	100.0#	0#	-1.65#
9 TMP	Trichlorofluoromethane	1.123	0.000#	100.0#	0#	-1.83#
10 TMP	2-Propanol	0.000	0.000	0.0	0#	-2.33#
11 TMP	Acetone	0.029	0.000#	100.0#	0#	-2.33#
12 TMP	1,1-Dichloroethene	0.285	0.285	0.0	100	-0.01
13 TMP	Hexane	0.323	0.000#	100.0#	0#	-3.16#
14 TMP	Methylene chloride	0.289	0.000#	100.0#	0#	-2.68#
15 TMP	t-Butyl alcohol (TBA)	0.024	0.000#	100.0#	0#	-2.82#
16 TMP	Methyl t-butyl ether (MTBE)	0.666	0.677	-1.7	98	0.00
17 TMP	trans-1,2-Dichloroethene	0.318	0.325	-2.2	100	-0.01
18 TMP	Diisopropyl ether (DIPE)	0.698	0.000#	100.0#	0#	-3.35#
19 TMP	1,1-Dichloroethane	0.463	0.476	-2.8	100	0.00
20 TMP	Ethyl t-butyl ether (ETBE)	0.258	0.000#	100.0#	0#	-3.66#
21 TMP	2,2-Dichloropropane	0.258	0.000#	100.0#	0#	-3.77#
22 TMP	cis-1,2-Dichloroethene	0.333	0.343	-3.0	100	0.00
23 TMP	Chloroform	0.539	0.000#	100.0#	0#	-4.04#
24 TMP	2-Butanone (MEK)	0.132	0.000#	100.0#	0#	-3.79#
25 TMP	t-Amyl methyl ether (TAME)	0.540	0.000#	100.0#	0#	-4.61#
26 TMP	1,2-Dichloroethane (EDC)	0.465	0.549	-18.1	108	-0.01
27 TMP	1,1,1-Trichloroethane	0.482	0.471	2.3	100	0.00
28 TMP	1,1-Dichloropropene	0.370	0.000#	100.0#	0#	-4.33#
29 TMP	Carbon tetrachloride	0.485	0.000#	100.0#	0#	-4.33#
30 S	1,2-Dichloroethane-d4	0.062	0.065	-4.8	100	0.00
31 TMP	Benzene	1.118	1.168	-4.5	100	0.00
32 TMP	Trichloroethene	0.367	0.375	-2.2	96	0.00
33 TMP	1,2-Dichloropropane	0.241	0.000#	100.0#	0#	-5.24#
34 TMP	Bromodichloromethane	0.387	0.000#	100.0#	0#	-5.48#
35 S	Toluene-d8	0.954	0.954	0.0	100	0.00
36 TMP	Dibromomethane	0.219	0.000#	100.0#	0#	-5.35#
37 TMP	4-Methyl-2-pentanone	0.042	0.000#	100.0#	0#	-6.03#
38 TMP	cis-1,3-Dichloropropene	0.360	0.000#	100.0#	0#	-5.88#
39 I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40 TMP	Toluene	0.907	0.952	-5.0	100	0.00
41 TMP	trans-1,3-Dichloropropene	0.366	0.000#	100.0#	0#	-6.36#
42 TMP	1,1,2-Trichloroethane	0.285	0.280	1.8	100	0.00
43 TMP	2-Hexanone	0.190	0.000#	100.0#	0#	-6.76#

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110508.D
 Acq On : 05 Nov 2022 12:20 pm
 Operator : VM
 Sample : 0.1 ppb 8260 ICAL 67-177H
 Misc : soil/water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:13 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.457	0.000#	100.0#	0#	-6.68#
45 TMP Tetrachloroethene	0.460	0.477	-3.7	100	0.00
46 TMP Dibromochloromethane	0.451	0.000#	100.0#	0#	-6.88#
47 TMP 1,2-Dibromoethane (EDB)	0.360	0.344	4.4	100	0.00
48 TMP Chlorobenzene	0.993	0.000#	100.0#	0#	-7.43#
49 TMP Ethylbenzene	1.557	1.567	-0.6	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.387	0.000#	100.0#	0#	-7.51#
51 TMP m,p-Xylene	0.612	0.599	2.1	100	0.00
52 TMP o-Xylene	0.591	0.597	-1.0	100	0.00
53 TMP Styrene	0.887	0.000#	100.0#	0#	-8.03#
54 TMP Isopropylbenzene	1.435	0.000#	100.0#	0#	-8.37#
55 TMP Bromoform	0.299	0.000#	100.0#	0#	-8.20#
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	0.689	0.727	-5.5	100	0.00
58 TMP n-Propylbenzene	2.700	0.000#	100.0#	0#	-8.77#
59 TMP Bromobenzene	0.837	0.000#	100.0#	0#	-8.65#
60 TMP 1,3,5-Trimethylbenzene	1.968	0.000#	100.0#	0#	-8.94#
61 TMP 1,1,2,2-Tetrachloroethane	0.626	0.000#	100.0#	0#	-8.65#
62 TMP 1,2,3-Trichloropropane	0.486	0.000#	100.0#	0#	-8.70#
63 TMP 2-Chlorotoluene	1.617	0.000#	100.0#	0#	-8.84#
64 TMP 4-Chlorotoluene	1.912	0.000#	100.0#	0#	-8.95#
65 TMP tert-Butylbenzene	1.952	0.000#	100.0#	0#	-9.25#
66 TMP 1,2,4-Trimethylbenzene	1.996	0.000#	100.0#	0#	-9.30#
67 TMP sec-Butylbenzene	2.624	0.000#	100.0#	0#	-9.46#
68 TMP p-Isopropyltoluene	2.387	0.000#	100.0#	0#	-9.61#
69 TMP 1,3-Dichlorobenzene	1.530	0.000#	100.0#	0#	-9.56#
70 TMP 1,4-Dichlorobenzene	1.564	0.000#	100.0#	0#	-9.64#
71 TMP 1,2-Dichlorobenzene	1.455	0.000#	100.0#	0#	-10.01#
72 TMP 1,2-Dibromo-3-chloropropane	0.108	0.000#	100.0#	0#	-10.78#
73 TMP 1,2,4-Trichlorobenzene	0.971	0.000#	100.0#	0#	-11.59#
74 TMP Hexachlorobutadiene	0.600	0.000#	100.0#	0#	-11.77#
75 TMP Naphthalene	1.833	0.000#	100.0#	0#	-11.84#
76 TMP 1,2,3-Trichlorobenzene	0.846	0.000#	100.0#	0#	-12.08#

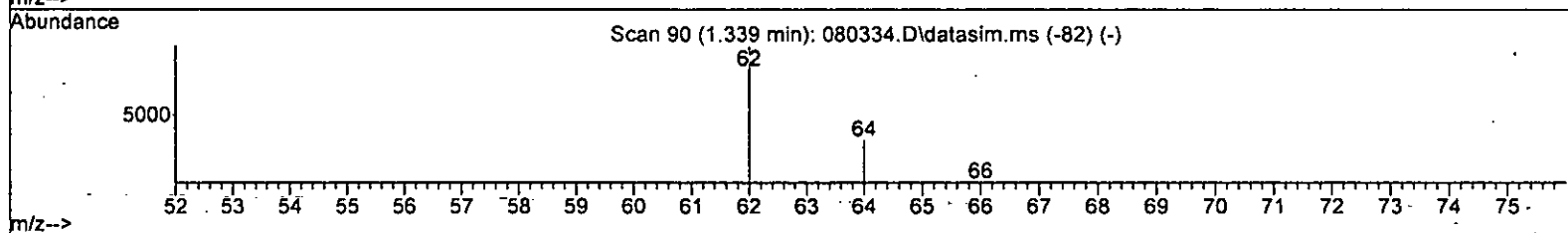
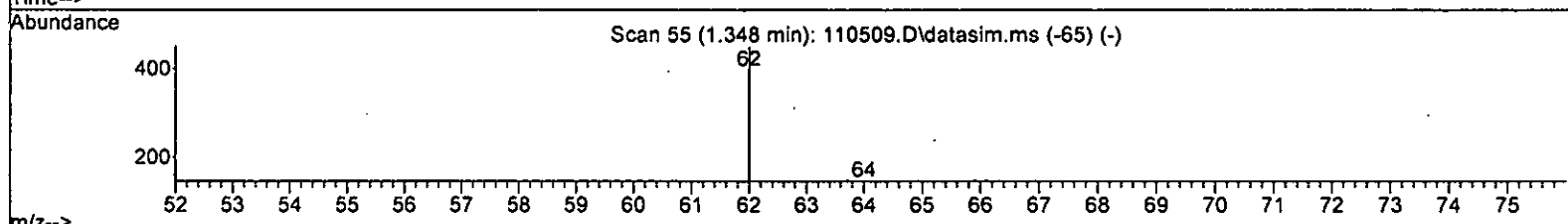
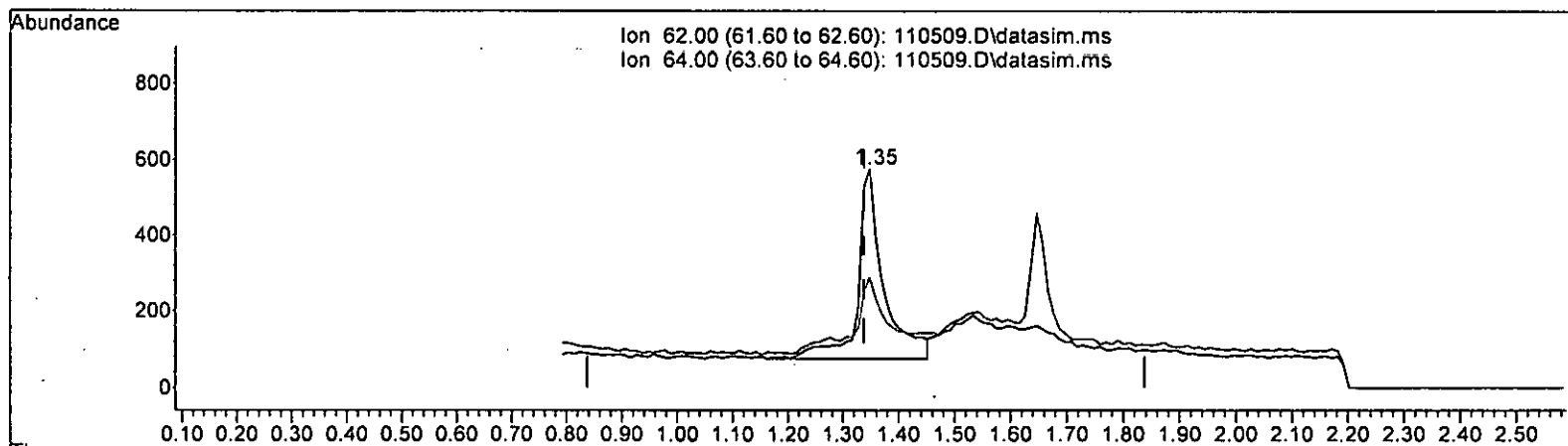
(#) = Out of Range

SPCC's out = 51 CCC's out = 0

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110509.D
 Acq On : 05 Nov 2022 12:44 pm
 Operator : VM
 Sample : 0.2 ppb 8260 ICAL 67-177I
 Misc : soil/water
 ALS Vial : 5 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:15 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110509.D\data.ms

(6) Vinyl chloride (TMP)

1.348min (+ 0.010) 0.291 ppb

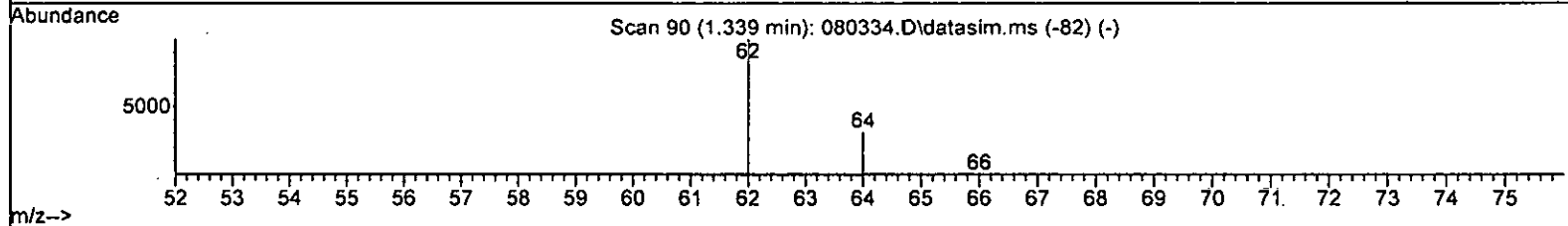
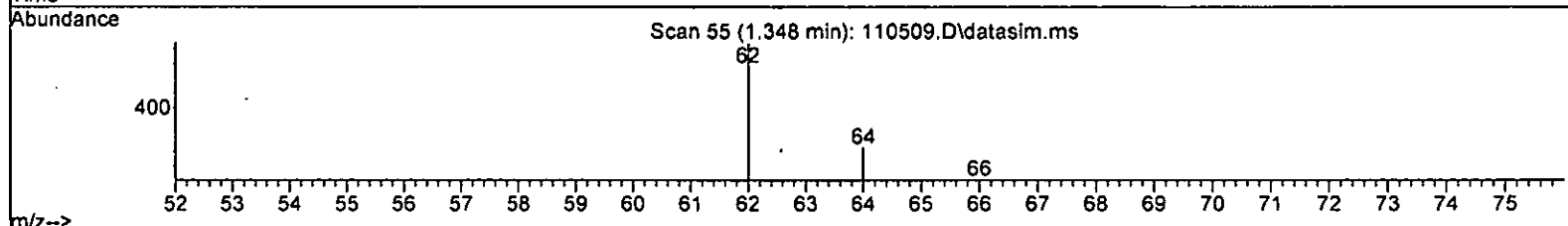
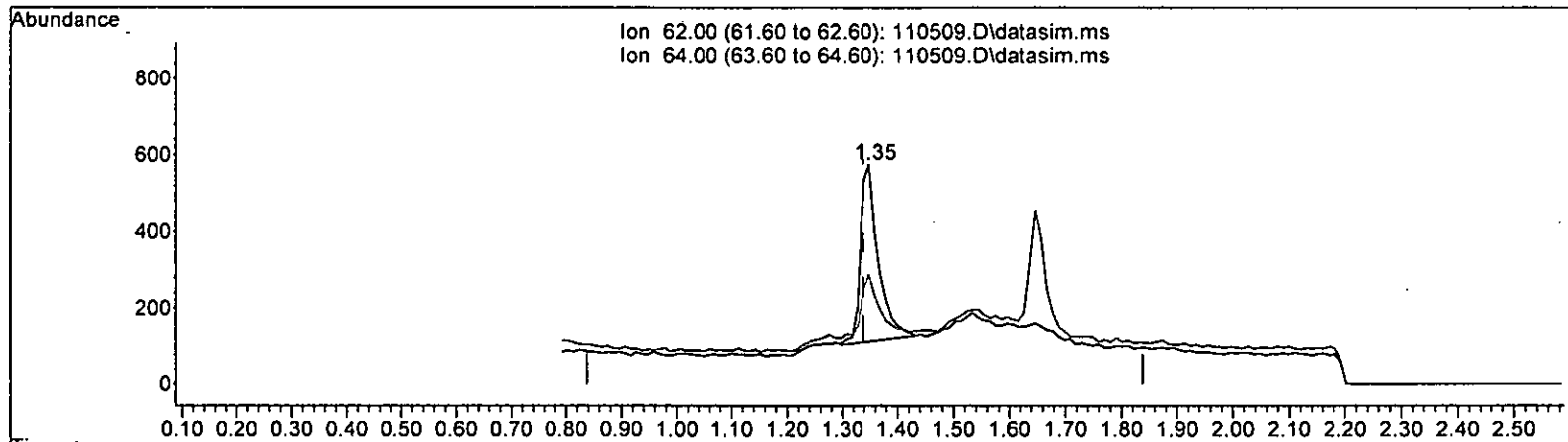
response 1606

Ion	Exp%	Act%
62.00	100.00	100.00
64.00	34.40	39.12
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110509.D
 Acq On : 05 Nov 2022 12:44 pm
 Operator : VM
 Sample : 0.2 ppb 8260 ICAL 67-177I
 Misc : soil/water
 ALS Vial : 5 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:15 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110509.D\data.ms

(6) Vinyl chloride (TMP)

1.348min (+ 0.010) 0.187 ppb m

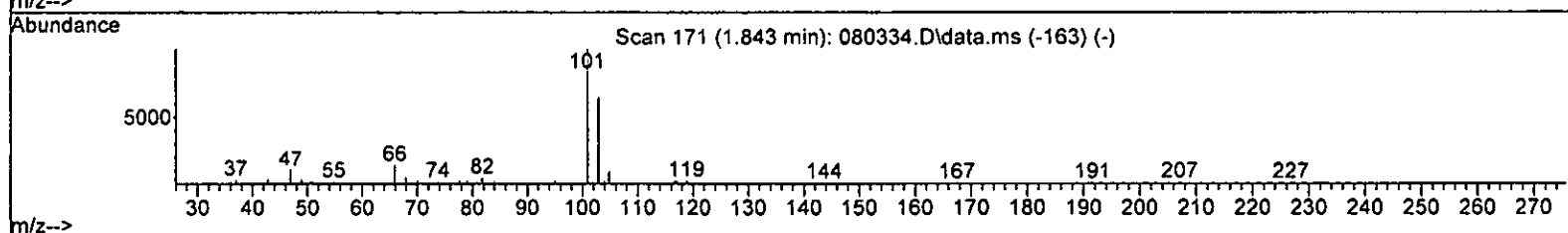
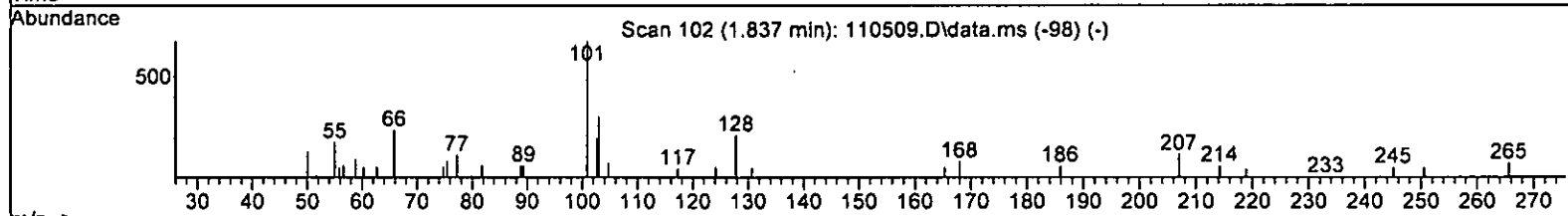
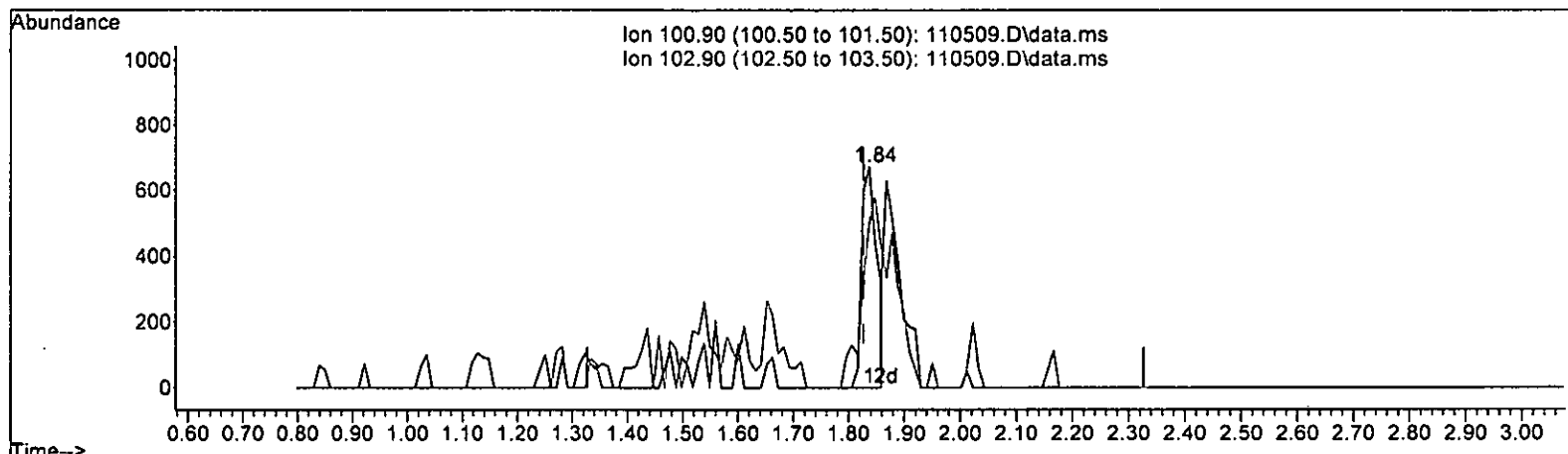
response 1032

Ion	Exp%	Act%
62.00	100.00	100.00
64.00	34.40	50.17
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110509.D
 Acq On : 05 Nov 2022 12:44 pm
 Operator : VM
 Sample : 0.2 ppb 8260 ICAL 67-177I
 Misc : soil/water
 ALS Vial : 5 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:15 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110509.D\data.ms

(9) Trichlorofluoromethane (TMP)

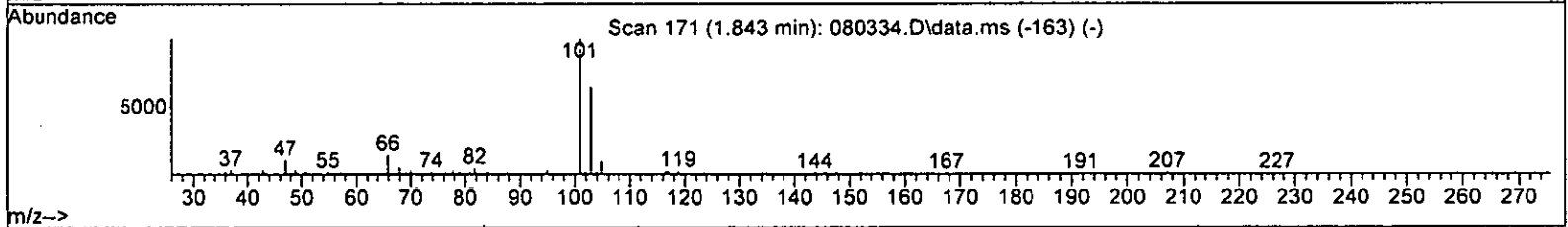
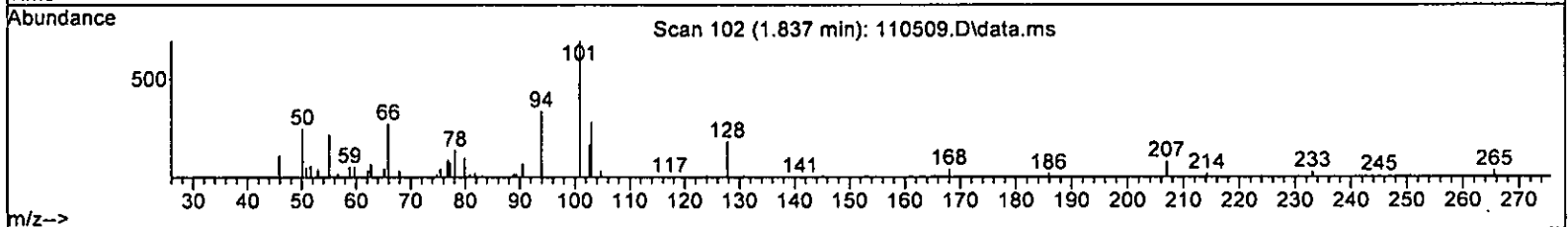
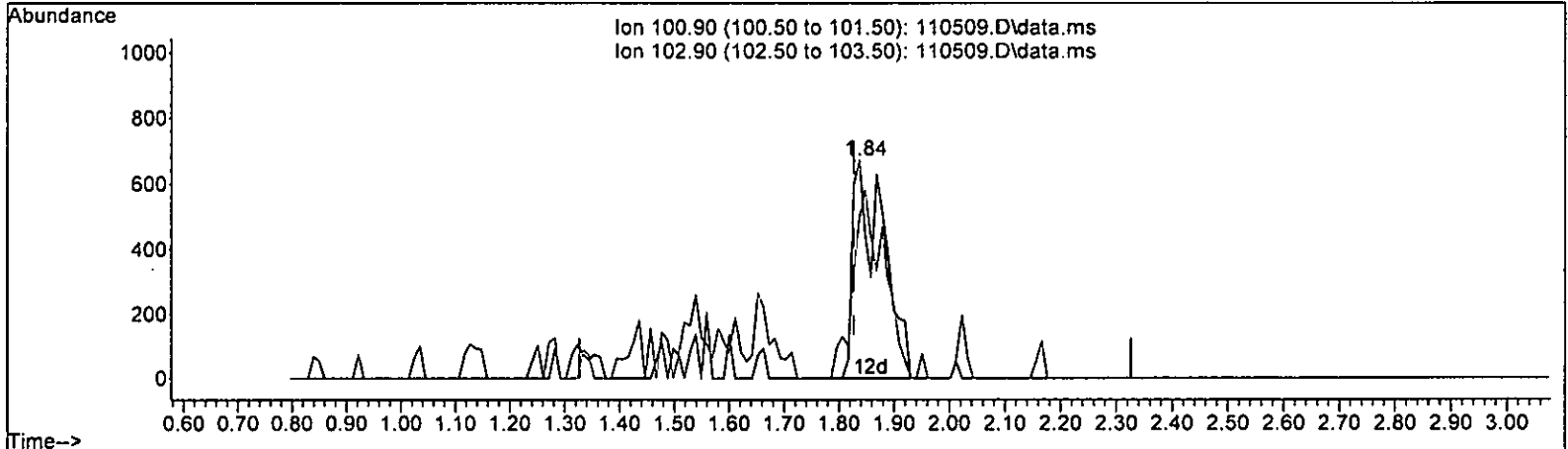
1.837min (+ 0.010) 0.106 ppb

response	1292	
Ion	Exp%	Act%
100.90	100.00	100.00
102.90	65.30	60.12
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110509.D
 Acq On : 05 Nov 2022 12:44 pm
 Operator : VM
 Sample : 0.2 ppb 8260 ICAL 67-177I
 Misc : soil/water
 ALS Vial : 5 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:15 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110509.D\data.ms

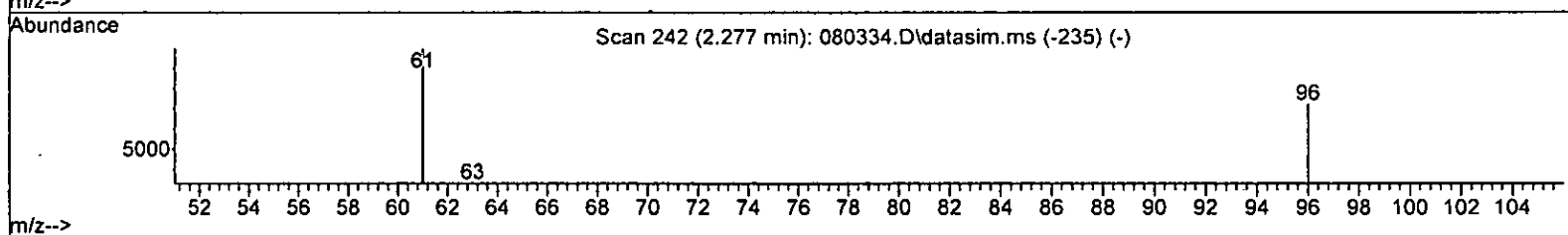
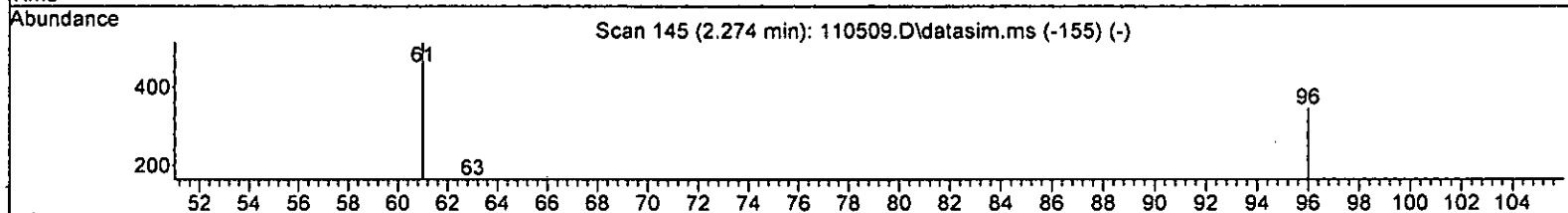
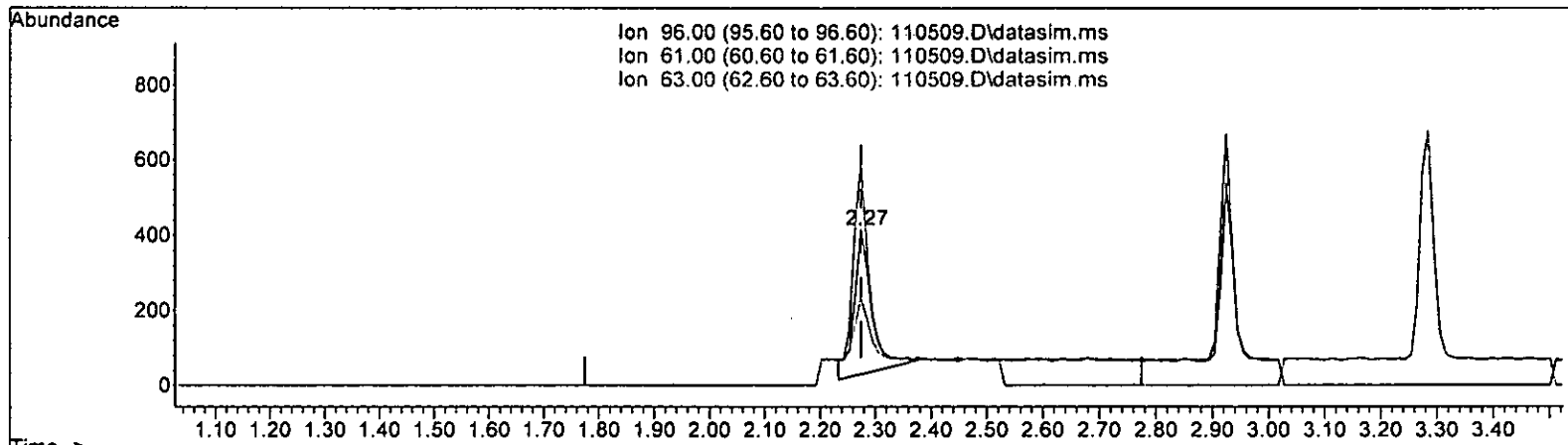
(9) Trichlorofluoromethane (TMP) ,
 1.837min (+ 0.010) 0.213 ppb m
 response 2591

Ion	Exp%	Act%
100.90	100.00	100.00
102.90	65.30	44.94
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110509.D
 Acq On : 05 Nov 2022 12:44 pm
 Operator : VM
 Sample : 0.2 ppb 8260 ICAL 67-177I
 Misc : soil/water
 ALS Vial : 5 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:15 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110509.D\data.ms

(12) 1,1-Dichloroethene (TMP)

2.274min (-0.001) 0.272 ppb

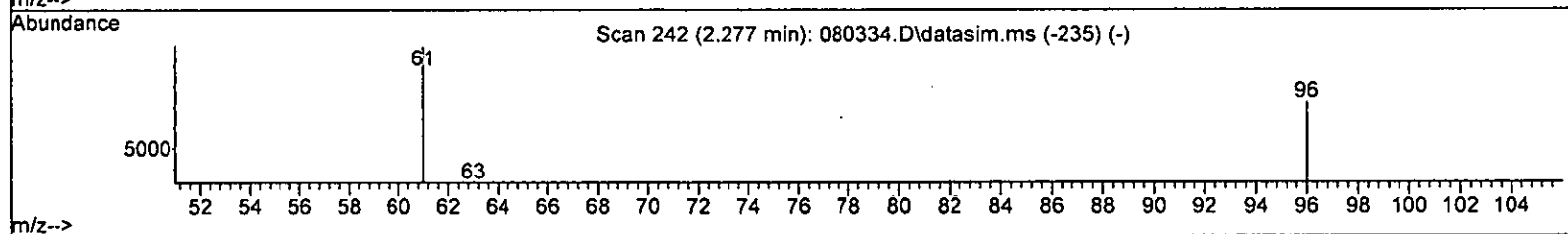
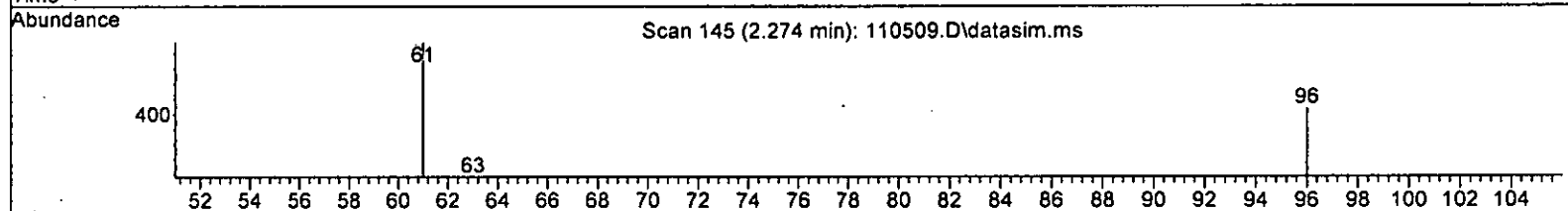
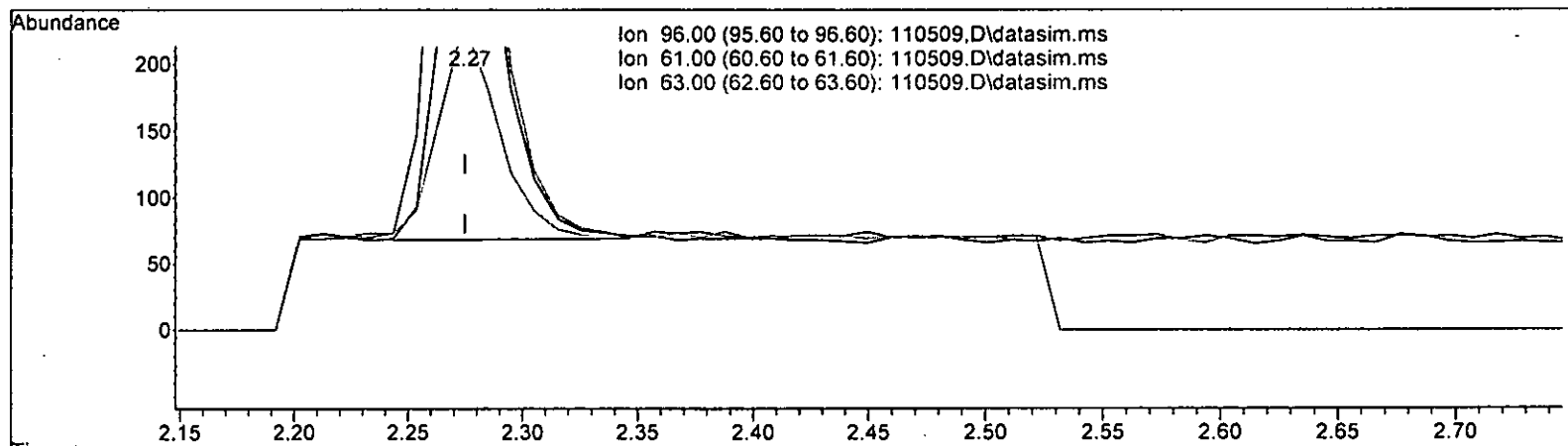
response 840

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	120.90	149.71
63.00	43.90	47.40
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110509.D
 Acq On : 05 Nov 2022 12:44 pm
 Operator : VM
 Sample : 0.2 ppb 8260 ICAL 67-177I
 Misc : soil/water
 ALS Vial : 5 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:15 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110509.D\data.ms

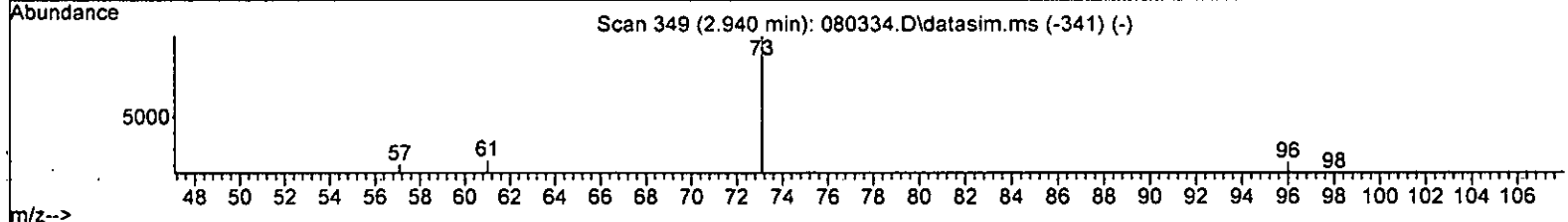
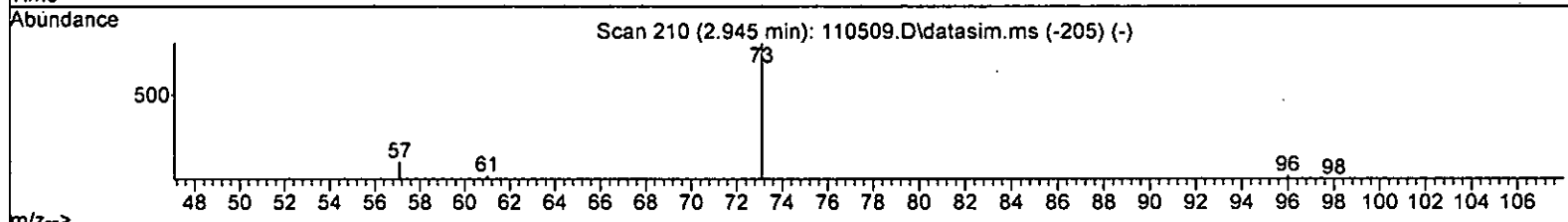
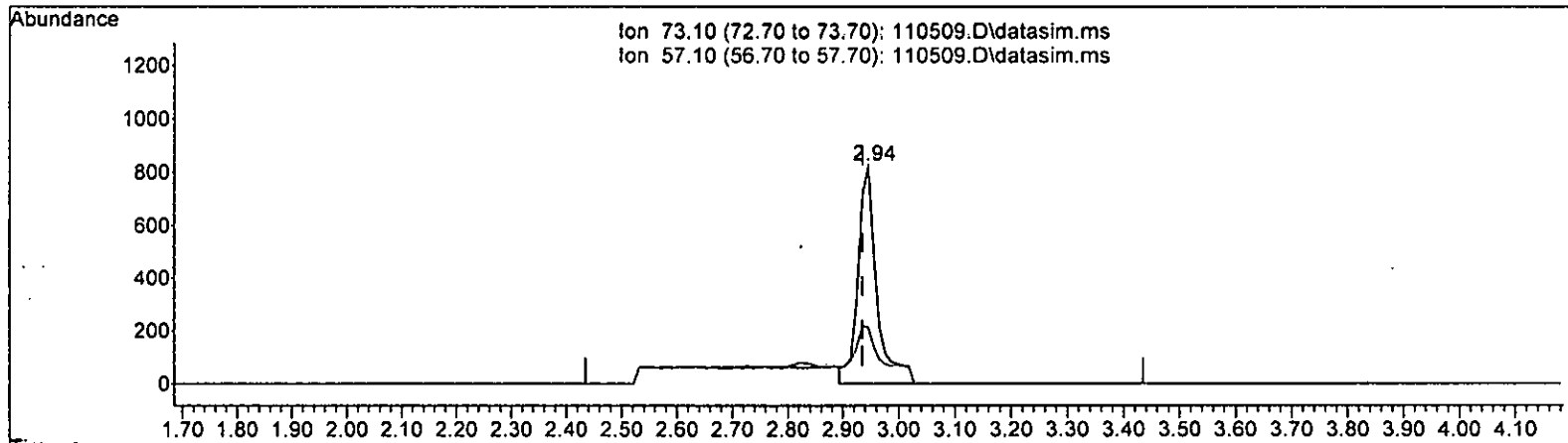
(12) 1,1-Dichloroethene (TMP)
 2.274min (-0.001) 0.196 ppb m

response	605
Ion	Exp% Act%
96.00	100.00 100.00
61.00	120.90 142.03
63.00	43.90 56.52
0.00	0.00 0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110509.D
 Acq On : 05 Nov 2022 12:44 pm
 Operator : VM
 Sample : 0.2 ppb 8260 ICAL 67-177I
 Misc : soil/water
 ALS Vial : 5 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:15 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110509.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

2.945min (+ 0.010) 0.264 ppb

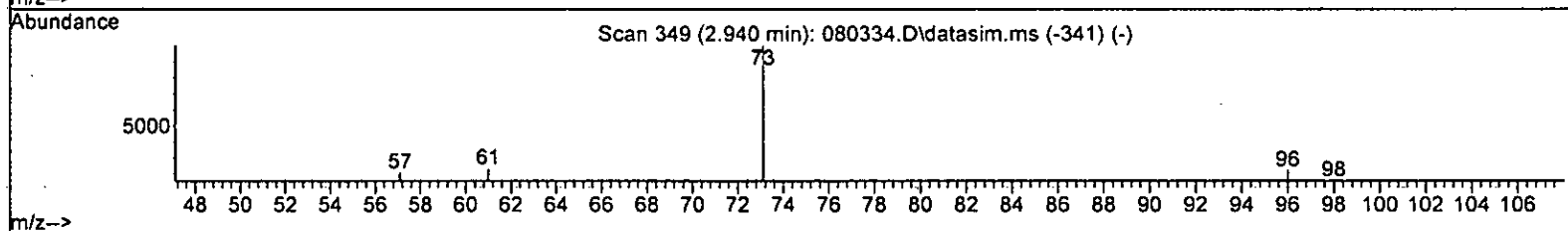
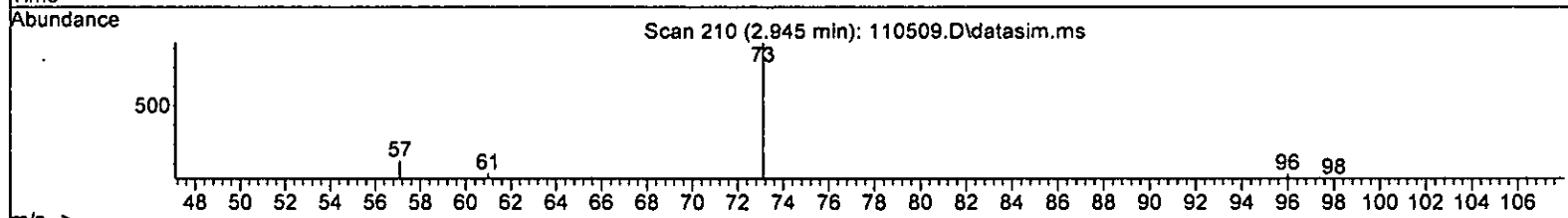
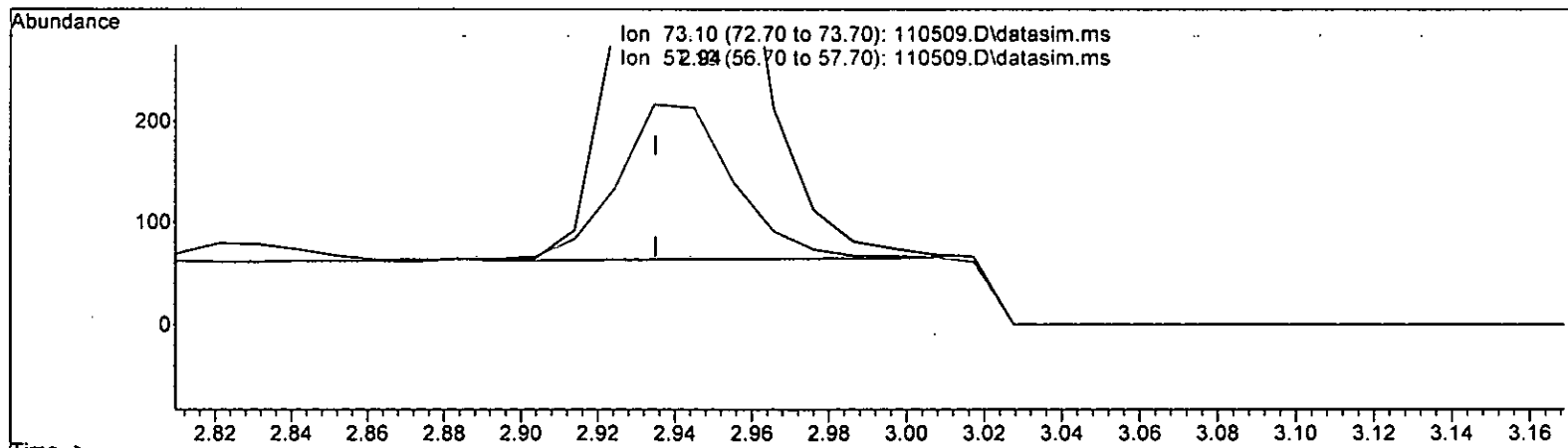
response 1907

Ion	Exp%	Act%
73.10	100.00	100.00
57.10	19.40	25.72
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110509.D
 Acq On : 05 Nov 2022 12:44 pm
 Operator : VM
 Sample : 0.2 ppb 8260 ICAL 67-177I
 Misc : soil/water
 ALS Vial : 5 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:15 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110509.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

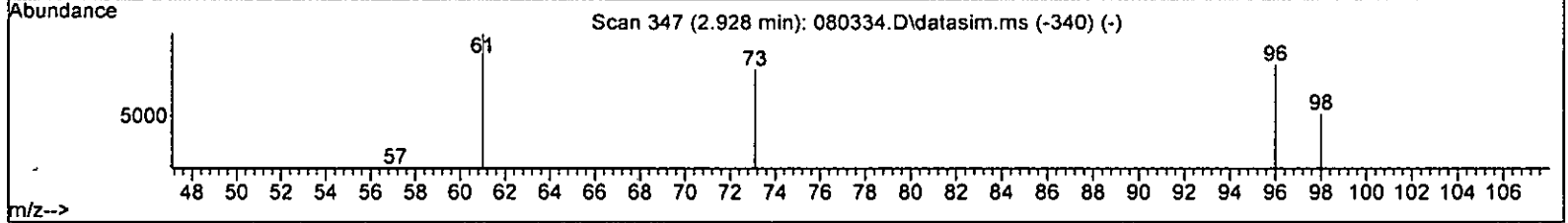
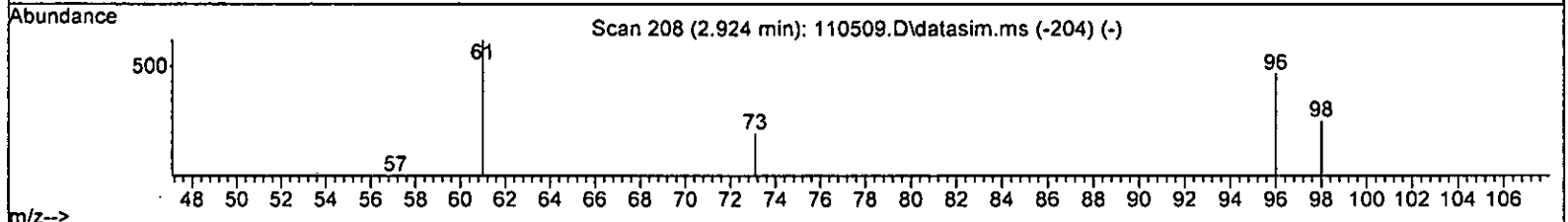
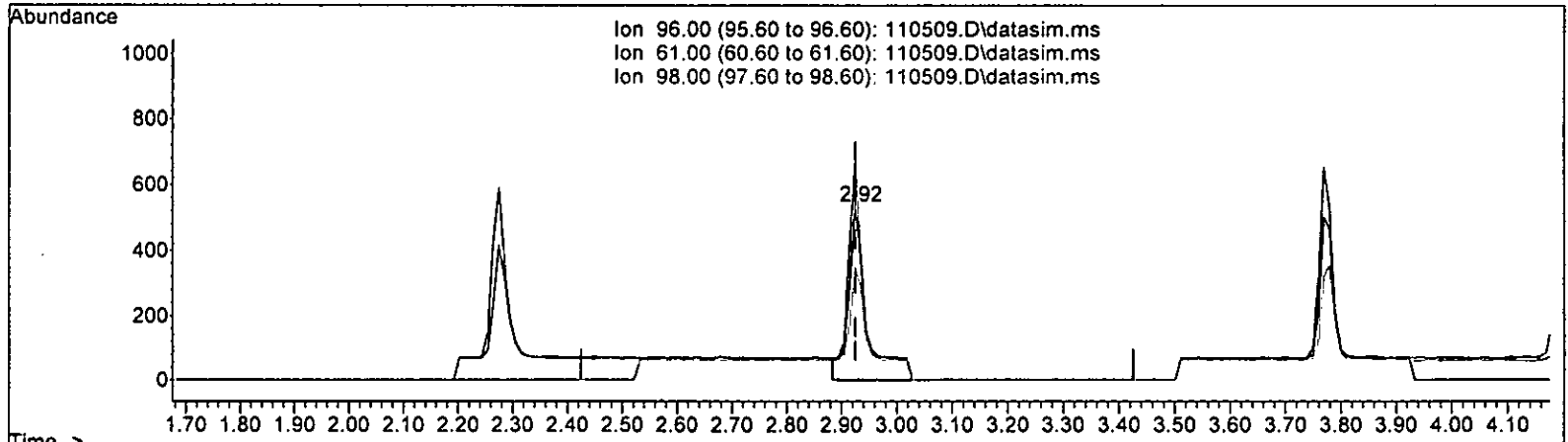
2.945min (+ 0.010) 0.199 ppb m

response	1434
Ion	Exp% Act%
73.10	100.00 100.00
57.10	19.40 25.72
0.00	0.00 0.00
0.00	0.00 0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110509.D
 Acq On : 05 Nov 2022 12:44 pm
 Operator : VM
 Sample : 0.2 ppb 8260 ICAL 67-177I
 Misc : soil/water
 ALS Vial : 5 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:15 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110509.D\data.ms

(17) trans-1,2-Dichloroethene (TMP)

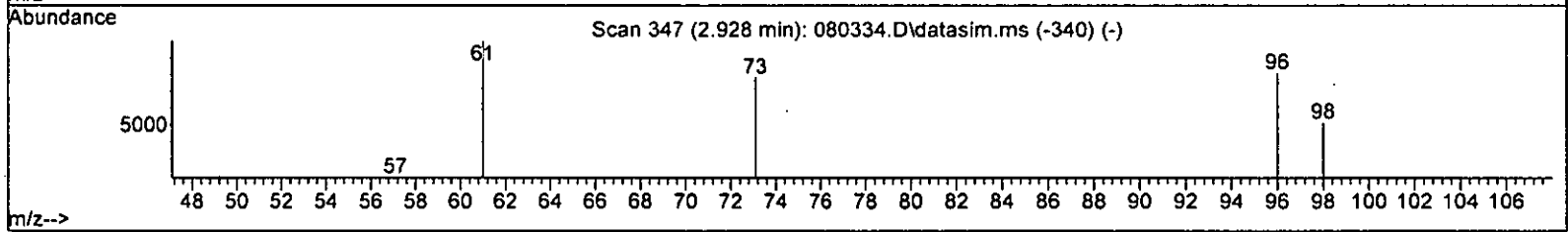
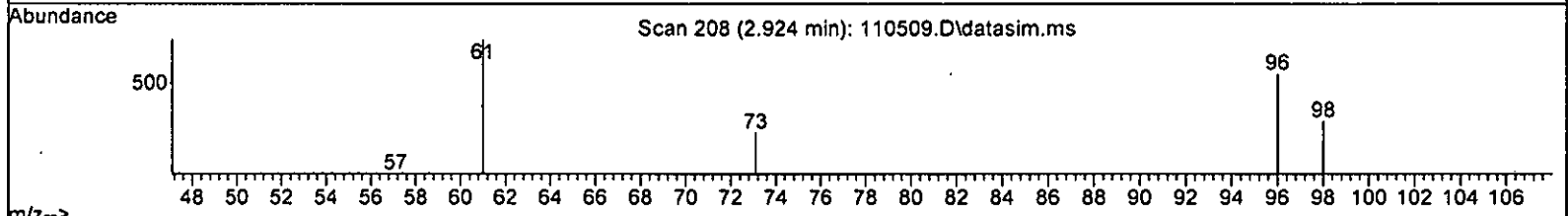
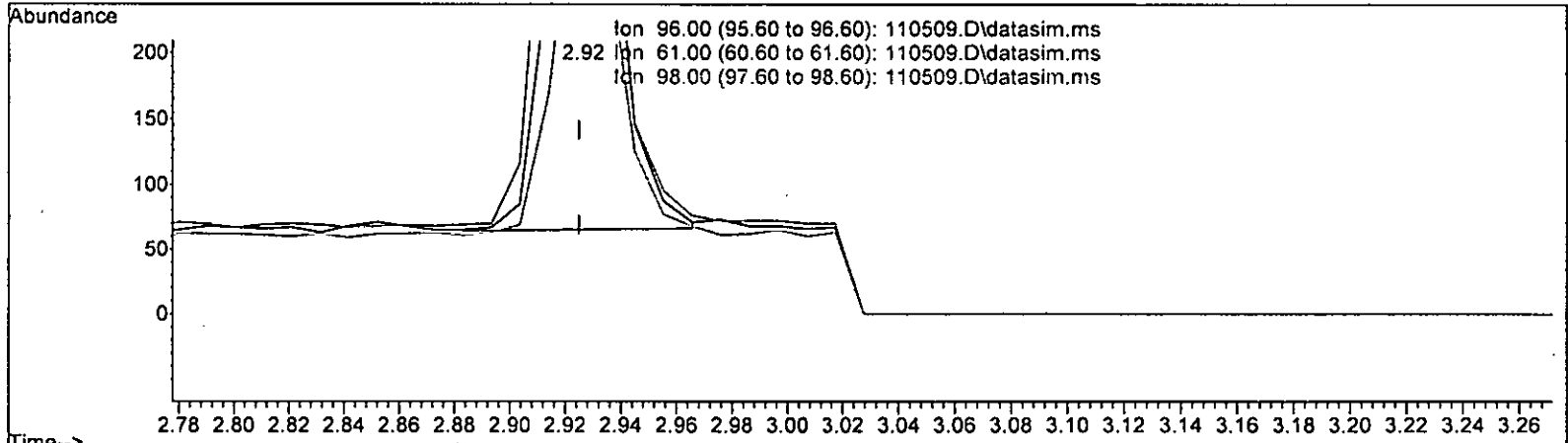
2.924min (-0.001) 0.354 ppb

response	1220
Ion	Exp% Act%
96.00	100.00 100.00
61.00	108.70 125.42
98.00	67.30 64.67
0.00	0.00 0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110509.D
 Acq On : 05 Nov 2022 12:44 pm
 Operator : VM
 Sample : 0.2 ppb 8260 ICAL 67-177I
 Misc : soil/water
 ALS Vial : 5 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:15 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110509.D\data.ms

(17) trans-1,2-Dichloroethene (TMP)

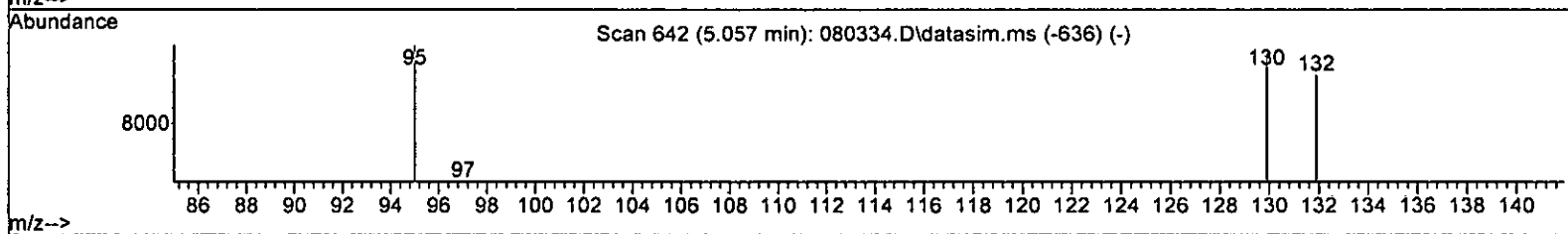
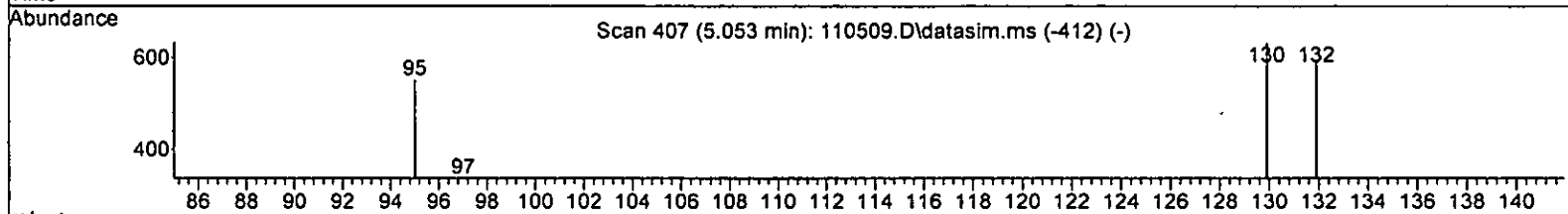
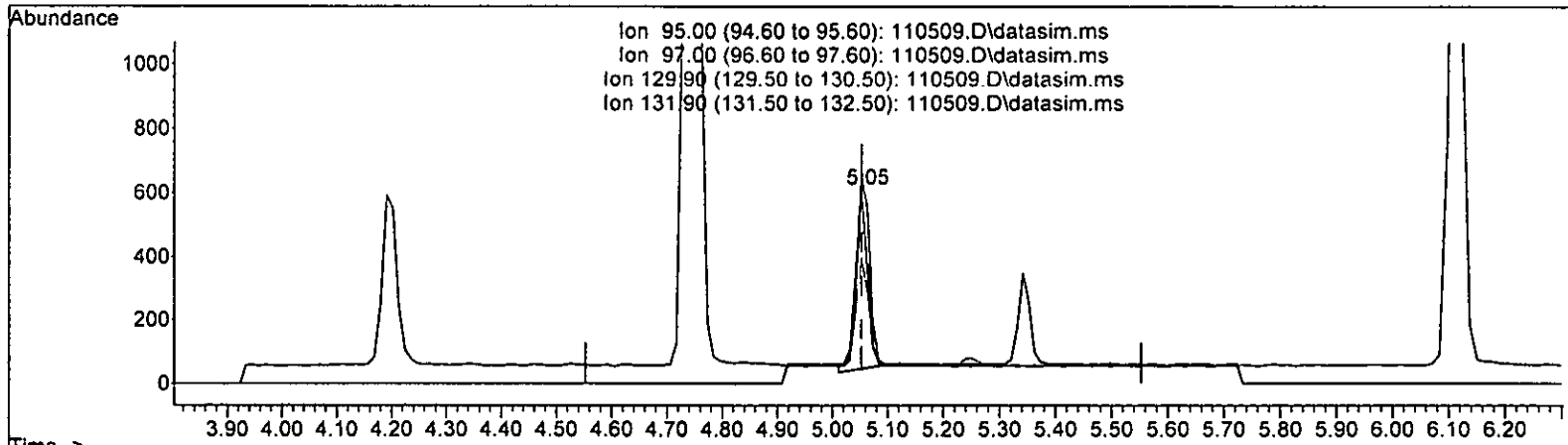
2.924min (-0.001) 0.199 ppb m

response	686
Ion	Exp% Act%
96.00	100.00 100.00
61.00	108.70 125.42
98.00	67.30 64.67
0.00	0.00 0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110509.D
 Acq On : 05 Nov 2022 12:44 pm
 Operator : VM
 Sample : 0.2 ppb 8260 ICAL 67-177I
 Misc : soil/water
 ALS Vial : 5 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:15 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110509.D\data.ms

(32) Trichloroethene (TPE)

5.053min (-0.000) 0.214 ppb

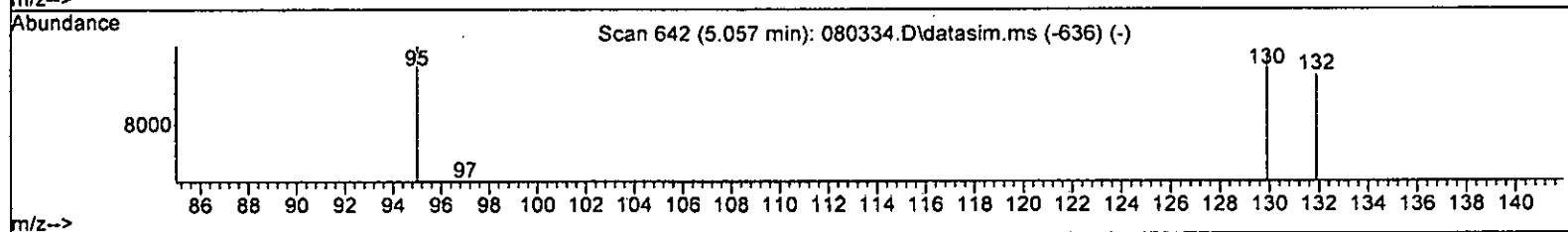
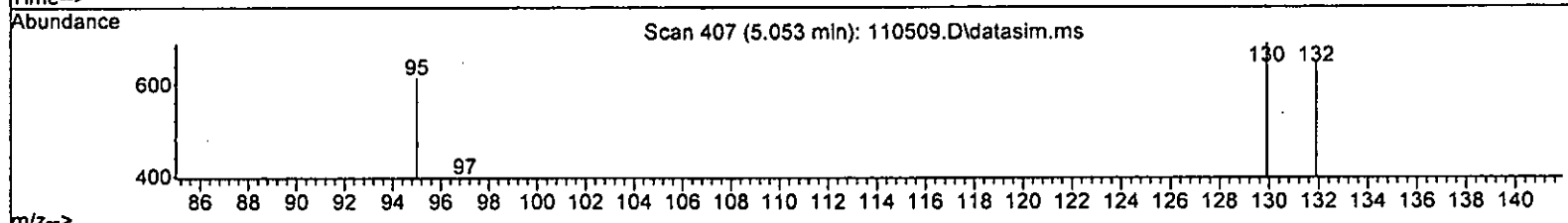
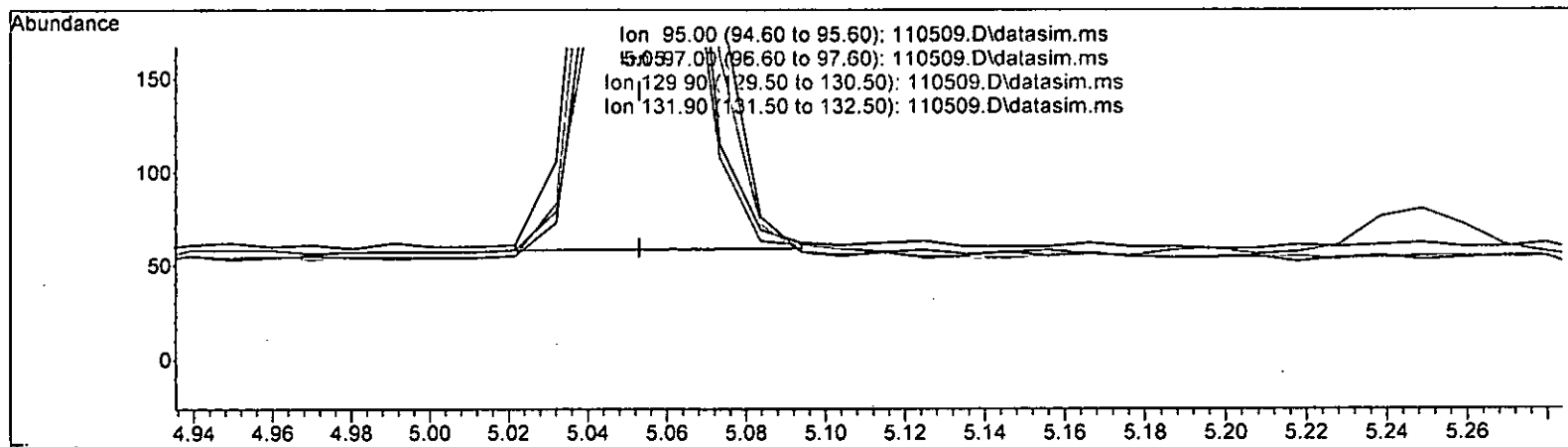
response 849

Ion	Exp%	Act%
95.00	100.00	100.00
97.00	64.60	61.41
129.90	103.40	114.86
131.90	95.80	107.25

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110509.D
 Acq On : 05 Nov 2022 12:44 pm
 Operator : VM
 Sample : 0.2 ppb 8260 ICAL 67-177I
 Misc : soil/water
 ALS Vial : 5 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:15 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110509.D\data.ms

(32) Trichloroethene (TME)

5.053min (-0.000) 0.197 ppb m

response 782

Ion	Exp%	Act%
95.00	100.00	100.00
97.00	64.60	64.71
129.90	103.40	112.42
131.90	95.80	105.56

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110509.D
 Acq On : 05 Nov 2022 12:44 pm
 Operator : VM
 Sample : 0.2 ppb 8260 ICAL 67-177I
 Misc : soil/water
 ALS Vial : 5 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:15 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	4.75	96	108326	10.000	ppb	0.00	
39) Chlorobenzene-d5	7.40	117	89660	10.000	ppb	0.00	
56) 1,4-Dichlorobenzene-d4	9.62	152	50001	10.000	ppb	0.00	
System Monitoring Compounds							
3) Dibromofluoromethane	4.18	113	35002	10.076	ppb	0.00	
Spiked Amount	10.000	Range	50 - 150	Recovery	=	100.80%	
30) 1,2-Dichloroethane-d4	4.45	102	7026	10.436	ppb	0.00	
Spiked Amount	10.000	Range	84 - 120	Recovery	=	104.40%	
35) Toluene-d8	6.11	98	100698	9.747	ppb	0.00	
Spiked Amount	10.000	Range	73 - 128	Recovery	=	97.50%	
57) 4-Bromofluorobenzene	8.51	95	36151	10.493	ppb	0.00	
Spiked Amount	10.000	Range	57 - 146	Recovery	=	104.90%	
Target Compounds							
							Qvalue
2) Ethanol	2.33	45	224	No	Calib		
4) Dichlorodifluoromethane	0.00		0	N.D.	d		
5) Chloromethane	0.00		0	N.D.	d		
6] Vinyl chloride	1.35	62	1032m	0.187	ppb		
7) Bromomethane	0.00		0	N.D.			
8) Chloroethane	0.00		0	N.D.	d		
9) Trichlorofluoromethane	1.84	101	2591m	0.213	ppb		
10) 2-Propanol	0.00		0	N.D.	d		
11) Acetone	0.00		0	N.D.	d		
12] 1,1-Dichloroethene	2.27	96	605m	0.196	ppb		
13) Hexane	0.00		0	N.D.	d		
14) Methylene chloride	0.00		0	N.D.	d		
15) t-Butyl alcohol (TBA)	0.00		0	N.D.	d		
16] Methyl t-butyl ether (...)	2.94	73	1434m	0.199	ppb		
17] trans-1,2-Dichloroethene	2.92	96	686m	0.199	ppb		
18) Diisopropyl ether (DIPE)	3.35	45	1833	0.243	ppb		93
19] 1,1-Dichloroethane	3.28	63	1021	0.203	ppb		95
20] Ethyl t-butyl ether (E...)	3.66	87	539	0.193	ppb	#	39
21) 2,2-Dichloropropane	3.77	77	717	0.240	ppb		48
22] cis-1,2-Dichloroethene	3.77	96	732	0.203	ppb		92
23) Chloroform	4.05	83	1270	0.218	ppb		78
24) 2-Butanone (MEK)	3.81	43	2219	1.386	ppb		94
25) t-Amyl methyl ether (T...)	4.61	73	1189	0.203	ppb		84
26] 1,2-Dichloroethane (EDC)	4.53	62	1041	0.198	ppb		97
27] 1,1,1-Trichloroethane	4.19	97	1020	0.195	ppb		89
28) 1,1-Dichloropropene	4.33	75	859	0.199	ppb		79
29) Carbon tetrachloride	4.33	117	1127	0.214	ppb		86
31] Benzene	4.50	78	2506	0.207	ppb		96
32] Trichloroethene	5.05	95	782m	0.197	ppb		
33) 1,2-Dichloropropane	5.24	63	676	0.259	ppb	#	88
34) Bromodichloromethane	5.48	83	755	0.180	ppb		89
36) Dibromomethane	5.35	93	583	0.245	ppb		94

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110509.D
 Acq On : 05 Nov 2022 12:44 pm
 Operator : VM
 Sample : 0.2 ppb 8260 ICAL 67-177I
 Misc : soil/water
 ALS Vial : 5 Sample Multiplier: 1
 InstName : GCMS13

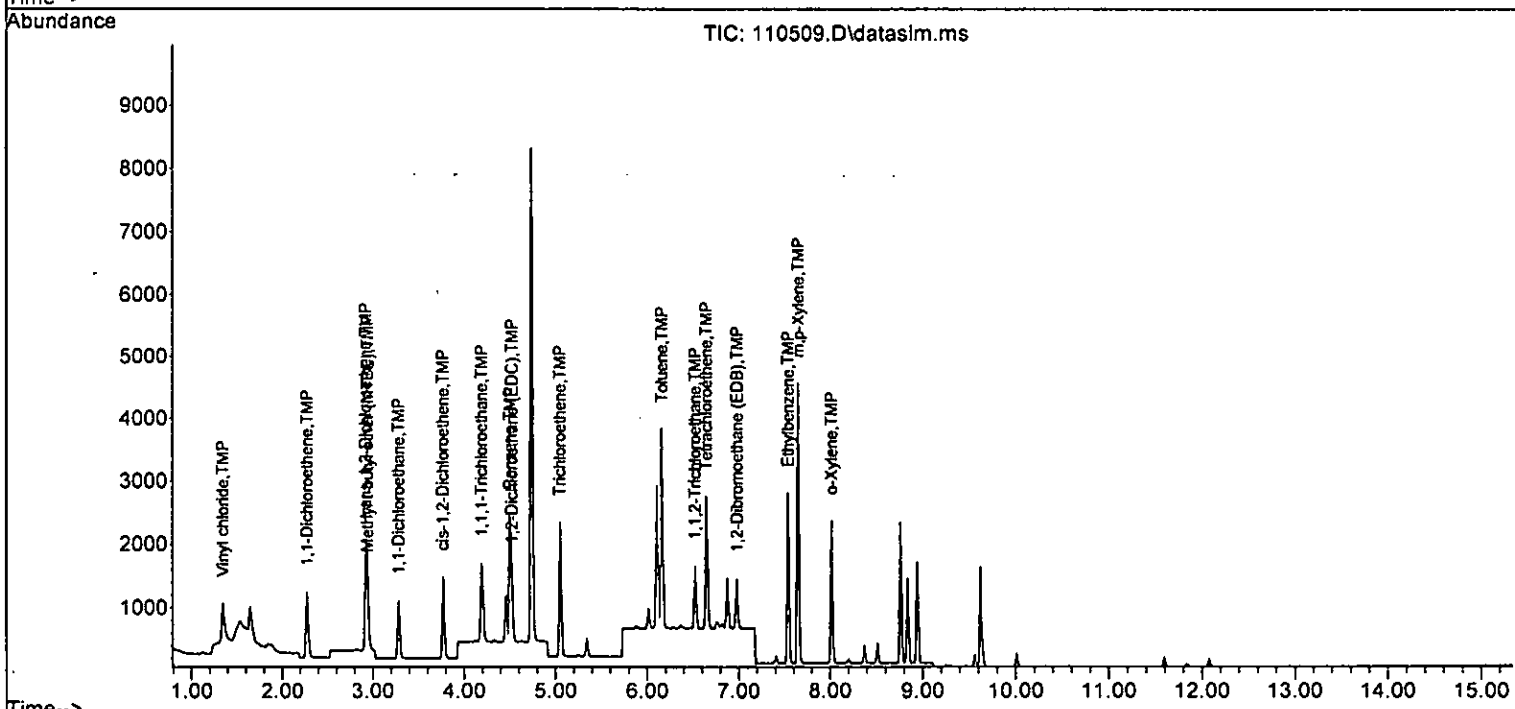
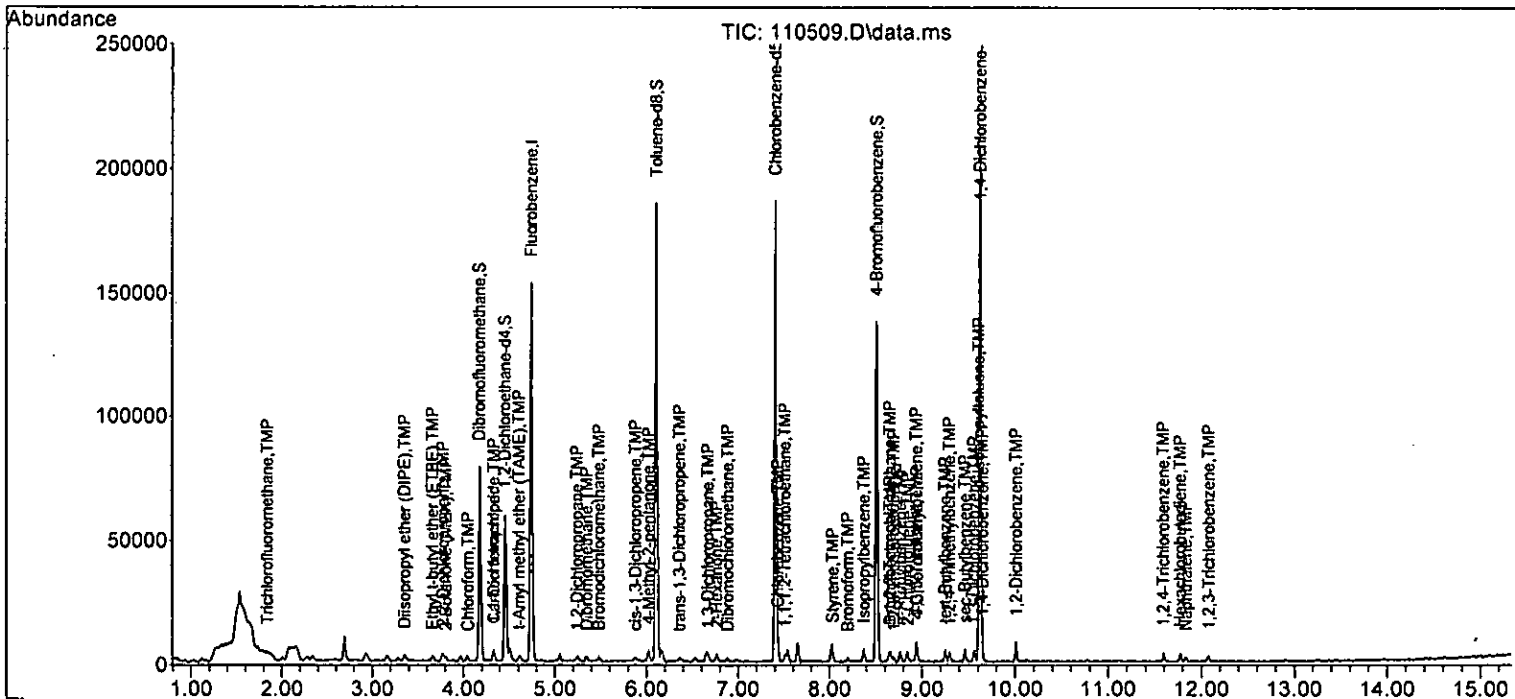
Quant Time: Nov 07 15:17:15 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	6.02	85	420	0.914	ppb #	1
38) cis-1,3-Dichloropropene	5.88	75	820	0.210	ppb	73
40] Toluene	6.16	92	1643	0.212	ppb	99
41) trans-1,3-Dichloropropene	6.36	75	859	0.279	ppb	94
42] 1,1,2-Trichloroethane	6.53	83	511	0.206	ppb	95
43) 2-Hexanone	6.76	43	1849	1.088	ppb	96
44) 1,3-Dichloropropane	6.67	76	1020	0.249	ppb	94
45] Tetrachloroethene	6.65	164	788	0.203	ppb	97
46) Dibromochloromethane	6.89	129	1070	0.251	ppb	73
47] 1,2-Dibromoethane (EDB)	6.98	107	613	0.190	ppb	97
48) Chlorobenzene	7.43	112	1897	0.213	ppb	95
49] Ethylbenzene	7.54	91	2762	0.198	ppb	96
50) 1,1,1,2-Tetrachloroethane	7.51	131	690	0.199	ppb	97
51] m,p-Xylene	7.65	106	2123	0.387	ppb	91
52] o-Xylene	8.02	106	1027	0.194	ppb	92
53) Styrene	8.03	104	1723	0.217	ppb	93
54) Isopropylbenzene	8.37	105	2623	0.204	ppb	90
55) Bromoform	8.20	173	538	0.201	ppb	74
58) n-Propylbenzene	8.77	91	2749	0.204	ppb	94
59) Bromobenzene	8.65	156	982	0.235	ppb #	74
60) 1,3,5-Trimethylbenzene	8.94	105	2027	0.206	ppb	100
61) 1,1,2,2-Tetrachloroethane	8.65	83	827	0.185	ppb	87
62) 1,2,3-Trichloropropane	8.70	75	573	0.236	ppb	70
63) 2-Chlorotoluene	8.84	91	1744	0.216	ppb	74
64) 4-Chlorotoluene	8.95	91	2246	0.235	ppb	88
65) tert-Butylbenzene	9.25	119	2127	0.218	ppb	97
66) 1,2,4-Trimethylbenzene	9.30	105	2025	0.203	ppb	85
67) sec-Butylbenzene	9.46	105	2706	0.206	ppb	93
68) p-Isopropyltoluene	9.61	119	2232	0.187	ppb	94
69) 1,3-Dichlorobenzene	9.56	146	1761	0.230	ppb	86
70) 1,4-Dichlorobenzene	9.65	146	1879	0.240	ppb	74
71) 1,2-Dichlorobenzene	10.01	146	1614	0.222	ppb	93
72) 1,2-Dibromo-3-chloropr...	0.00		0	N.D.	d	
73) 1,2,4-Trichlorobenzene	11.59	180	1104	0.228	ppb	88
74) Hexachlorobutadiene	11.77	225	687	0.229	ppb	91
75) Naphthalene	11.83	128	1648	0.256	ppb	96
76) 1,2,3-Trichlorobenzene	12.08	180	778	0.184	ppb	92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110509.D
 Acq On : 05 Nov 2022 12:44 pm
 Operator : VM
 Sample : 0.2 ppb 8260 ICAL 67-1771
 Misc : soil/water
 ALS Vial : 5 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:15 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110509.D
 Acq On : 05 Nov 2022 12:44 pm
 Operator : VM
 Sample : 0.2 ppb 8260 ICAL 67-177I
 Misc : soil/water
 ALS Vial : 5 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:15 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I Fluorobenzene	10.000	10.000	0.0	100	0.00
2 TMP Ethanol	-1.000	0.000	0.0	0	0.00
3 S Dibromofluoromethane	10.000	10.076	-0.8	100	0.00
4 TMP Dichlorodifluoromethane	-1.000	0.000	0.0	0	-1.12#
5 TMP Chloromethane	-1.000	0.000	0.0	0	-1.26#
6 TMP Vinyl chloride	0.200	0.187	6.5	95	0.01
7 TMP Bromomethane	-1.000	0.000	0.0	0	-1.58#
8 TMP Chloroethane	-1.000	0.000	0.0	0	-1.65#
9 TMP Trichlorofluoromethane	0.200	0.213	-6.5	100	0.01
10 TMP 2-Propanol	-1.000	0.000	0.0	0	-2.33#
11 TMP Acetone	-1.000	0.000	0.0	0	-2.33#
12 TMP 1,1-Dichloroethene	0.200	0.196	2.0	95	0.00
13 TMP Hexane	-1.000	0.000	0.0	0	-3.16#
14 TMP Methylene chloride	-1.000	0.000	0.0	0	-2.68#
15 TMP t-Butyl alcohol (TBA)	-1.000	0.000	0.0	0	-2.82#
16 TMP Methyl t-butyl ether (MTBE)	0.200	0.199	0.5	100	0.00
17 TMP trans-1,2-Dichloroethene	0.200	0.199	0.5	97	0.00
18 TMP Diisopropyl ether (DIPE)	0.200	0.243	-21.5#	100	0.00
19 TMP 1,1-Dichloroethane	0.200	0.203	-1.5	100	0.00
20 TMP Ethyl t-butyl ether (ETBE)	0.200	0.193	3.5	100	0.00
21 TMP 2,2-Dichloropropane	0.200	0.240	-20.0	100	0.00
22 TMP cis-1,2-Dichloroethene	0.200	0.203	-1.5	100	0.00
23 TMP Chloroform	0.200	0.218	-9.0	100	0.01
24 TMP 2-Butanone (MEK)	1.000	1.386	-38.6#	102	0.01
25 TMP t-Amyl methyl ether (TAME)	0.200	0.203	-1.5	100	0.00
26 TMP 1,2-Dichloroethane (EDC)	0.200	0.198	1.0	104	0.00
27 TMP 1,1,1-Trichloroethane	0.200	0.195	2.5	100	0.00
28 TMP 1,1-Dichloropropene	0.200	0.199	0.5	100	0.00
29 TMP Carbon tetrachloride	0.200	0.214	-7.0	100	0.00
30 S 1,2-Dichloroethane-d4	10.000	10.436	-4.4	100	0.00
31 TMP Benzene	0.200	0.207	-3.5	100	0.00
32 TMP Trichloroethene	0.200	0.197	1.5	96	0.00
33 TMP 1,2-Dichloropropane	0.200	0.259	-29.5#	100	0.00
34 TMP Bromodichloromethane	0.200	0.180	10.0	100	0.00
35 S Toluene-d8	10.000	9.747	2.5	100	0.00
36 TMP Dibromomethane	0.200	0.245	-22.5#	100	0.00
37 TMP 4-Methyl-2-pentanone	1.000	0.914	8.6	100	0.00
38 TMP cis-1,3-Dichloropropene	0.200	0.210	-5.0	100	0.00
39 I Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40 TMP Toluene	0.200	0.212	-6.0	100	0.00
41 TMP trans-1,3-Dichloropropene	0.200	0.279	-39.5#	100	0.00
42 TMP 1,1,2-Trichloroethane	0.200	0.206	-3.0	100	0.00
43 TMP 2-Hexanone	1.000	1.088	-8.8	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110509.D
 Acq On : 05 Nov 2022 12:44 pm
 Operator : VM
 Sample : 0.2 ppb 8260 ICAL 67-177I
 Misc : soil/water
 ALS Vial : 5 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:15 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.200	0.249	-24.5#	100	-0.01
45 TMP Tetrachloroethene	0.200	0.203	-1.5	100	0.00
46 TMP Dibromochloromethane	0.200	0.251	-25.5#	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	0.200	0.190	5.0	100	0.00
48 TMP Chlorobenzene	0.200	0.213	-6.5	100	0.00
49 TMP Ethylbenzene	0.200	0.198	1.0	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.200	0.199	0.5	100	0.00
51 TMP m,p-Xylene	0.400	0.387	3.3	100	0.00
52 TMP o-Xylene	0.200	0.194	3.0	100	0.00
53 TMP Styrene	0.200	0.217	-8.5	100	0.00
54 TMP Isopropylbenzene	0.200	0.204	-2.0	100	0.00
55 TMP Bromoform	0.200	0.201	-0.5	100	0.00
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	10.000	10.493	-4.9	100	0.00
58 TMP n-Propylbenzene	0.200	0.204	-2.0	100	0.00
59 TMP Bromobenzene	0.200	0.235	-17.5	100	0.00
60 TMP 1,3,5-Trimethylbenzene	0.200	0.206	-3.0	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.200	0.185	7.5	100	0.00
62 TMP 1,2,3-Trichloropropane	0.200	0.236	-18.0	100	0.00
63 TMP 2-Chlorotoluene	0.200	0.216	-8.0	100	0.00
64 TMP 4-Chlorotoluene	0.200	0.235	-17.5	100	0.00
65 TMP tert-Butylbenzene	0.200	0.218	-9.0	100	0.00
66 TMP 1,2,4-Trimethylbenzene	0.200	0.203	-1.5	100	0.00
67 TMP sec-Butylbenzene	0.200	0.206	-3.0	100	0.00
68 TMP p-Isopropyltoluene	0.200	0.187	6.5	100	0.00
69 TMP 1,3-Dichlorobenzene	0.200	0.230	-15.0	100	0.00
70 TMP 1,4-Dichlorobenzene	0.200	0.240	-20.0	100	0.00
71 TMP 1,2-Dichlorobenzene	0.200	0.222	-11.0	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	-1.000	0.000	0.0	0	-10.78#
73 TMP 1,2,4-Trichlorobenzene	0.200	0.228	-14.0	100	0.00
74 TMP Hexachlorobutadiene	0.200	0.229	-14.5	100	0.00
75 TMP Naphthalene	0.200	0.256	-28.0#	100	0.00
76 TMP 1,2,3-Trichlorobenzene	0.200	0.184	8.0	100	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110509.D
 Acq On : 05 Nov 2022 12:44 pm
 Operator : VM
 Sample : 0.2 ppb 8260 ICAL 67-177I
 Misc : soil/water
 ALS Vial : 5 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:15 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I Fluorobenzene	1.000	1.000	0.0	100	0.00
2 TMP Ethanol	0.000	0.000#	0.0	0#	0.00
3 S Dibromofluoromethane	0.321	0.323	-0.6	100	0.00
4 TMP Dichlorodifluoromethane	0.800	0.000#	100.0#	0#	-1.12#
5 TMP Chloromethane	0.488	0.000#	100.0#	0#	-1.26#
6 TMP Vinyl chloride	0.510	0.476	6.7	95	0.01
7 TMP Bromomethane	0.432	0.000#	100.0#	0#	-1.58#
8 TMP Chloroethane	0.229	0.000#	100.0#	0#	-1.65#
9 TMP Trichlorofluoromethane	1.123	1.196	-6.5	100	0.01
10 TMP 2-Propanol	0.000	0.000	0.0	0#	-2.33#
11 TMP Acetone	0.029	0.000#	100.0#	0#	-2.33#
12 TMP 1,1-Dichloroethene	0.285	0.279	2.1	95	0.00
13 TMP Hexane	0.323	0.000#	100.0#	0#	-3.16#
14 TMP Methylene chloride	0.289	0.000#	100.0#	0#	-2.68#
15 TMP t-Butyl alcohol (TBA)	0.024	0.000#	100.0#	0#	-2.82#
16 TMP Methyl t-butyl ether (MTBE)	0.666	0.662	0.6	100	0.00
17 TMP trans-1,2-Dichloroethene	0.318	0.317	0.3	97	0.00
18 TMP Diisopropyl ether (DIPE)	0.698	0.846	-21.2#	100	0.00
19 TMP 1,1-Dichloroethane	0.463	0.471	-1.7	100	0.00
20 TMP Ethyl t-butyl ether (ETBE)	0.258	0.249	3.5	100	0.00
21 TMP 2,2-Dichloropropane	0.258	0.331	-28.3#	100	0.00
22 TMP cis-1,2-Dichloroethene	0.333	0.338	-1.5	100	0.00
23 TMP Chloroform	0.539	0.586	-8.7	100	0.01
24 TMP 2-Butanone (MEK)	0.132	0.205	-55.3#	102	0.01
25 TMP t-Amyl methyl ether (TAME)	0.540	0.549	-1.7	100	0.00
26 TMP 1,2-Dichloroethane (EDC)	0.465	0.480	-3.2	104	0.00
27 TMP 1,1,1-Trichloroethane	0.482	0.471	2.3	100	0.00
28 TMP 1,1-Dichloropropene	0.370	0.396	-7.0	100	0.00
29 TMP Carbon tetrachloride	0.485	0.520	-7.2	100	0.00
30 S 1,2-Dichloroethane-d4	0.062	0.065	-4.8	100	0.00
31 TMP Benzene	1.118	1.157	-3.5	100	0.00
32 TMP Trichloroethene	0.367	0.361	1.6	96	0.00
33 TMP 1,2-Dichloropropane	0.241	0.312	-29.5#	100	0.00
34 TMP Bromodichloromethane	0.387	0.348	10.1	100	0.00
35 S Toluene-d8	0.954	0.930	2.5	100	0.00
36 TMP Dibromomethane	0.219	0.269	-22.8#	100	0.00
37 TMP 4-Methyl-2-pentanone	0.042	0.039	7.1	100	0.00
38 TMP cis-1,3-Dichloropropene	0.360	0.378	-5.0	100	0.00
39 I Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40 TMP Toluene	0.907	0.916	-1.0	100	0.00
41 TMP trans-1,3-Dichloropropene	0.366	0.479	-30.9#	100	0.00
42 TMP 1,1,2-Trichloroethane	0.285	0.285	0.0	100	0.00
43 TMP 2-Hexanone	0.190	0.206	-8.4	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110509.D
 Acq On : 05 Nov 2022 12:44 pm
 Operator : VM
 Sample : 0.2 ppb 8260 ICAL 67-177I
 Misc : soil/water
 ALS Vial : 5 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:15 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.457	0.569	-24.5#	100	-0.01
45 TMP Tetrachloroethene	0.460	0.439	4.6	100	0.00
46 TMP Dibromochloromethane	0.451	0.597	-32.4#	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	0.360	0.342	5.0	100	0.00
48 TMP Chlorobenzene	0.993	1.058	-6.5	100	0.00
49 TMP Ethylbenzene	1.557	1.540	1.1	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.387	0.385	0.5	100	0.00
51 TMP m,p-Xylene	0.612	0.592	3.3	100	0.00
52 TMP o-Xylene	0.591	0.573	3.0	100	0.00
53 TMP Styrene	0.887	0.961	-8.3	100	0.00
54 TMP Isopropylbenzene	1.435	1.463	-2.0	100	0.00
55 TMP Bromoform	0.299	0.300	-0.3	100	0.00
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	0.689	0.723	-4.9	100	0.00
58 TMP n-Propylbenzene	2.700	2.749	-1.8	100	0.00
59 TMP Bromobenzene	0.837	0.982	-17.3	100	0.00
60 TMP 1,3,5-Trimethylbenzene	1.968	2.027	-3.0	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.626	0.827	-32.1#	100	0.00
62 TMP 1,2,3-Trichloropropane	0.486	0.573	-17.9	100	0.00
63 TMP 2-Chlorotoluene	1.617	1.744	-7.9	100	0.00
64 TMP 4-Chlorotoluene	1.912	2.246	-17.5	100	0.00
65 TMP tert-Butylbenzene	1.952	2.127	-9.0	100	0.00
66 TMP 1,2,4-Trimethylbenzene	1.996	2.025	-1.5	100	0.00
67 TMP sec-Butylbenzene	2.624	2.706	-3.1	100	0.00
68 TMP p-Isopropyltoluene	2.387	2.232	6.5	100	0.00
69 TMP 1,3-Dichlorobenzene	1.530	1.761	-15.1	100	0.00
70 TMP 1,4-Dichlorobenzene	1.564	1.879	-20.1#	100	0.00
71 TMP 1,2-Dichlorobenzene	1.455	1.614	-10.9	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	0.108	0.000#	100.0#	0#	-10.78#
73 TMP 1,2,4-Trichlorobenzene	0.971	1.104	-13.7	100	0.00
74 TMP Hexachlorobutadiene	0.600	0.687	-14.5	100	0.00
75 TMP Naphthalene	1.833	1.648	10.1	100	0.00
76 TMP 1,2,3-Trichlorobenzene	0.846	0.778	8.0	100	0.00

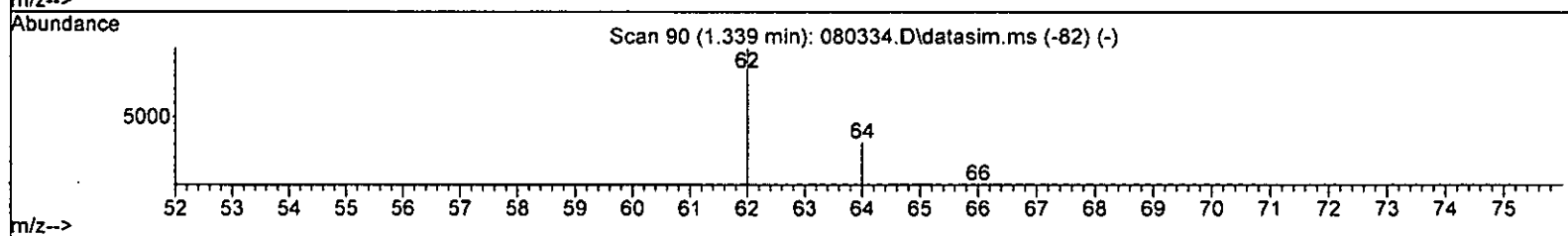
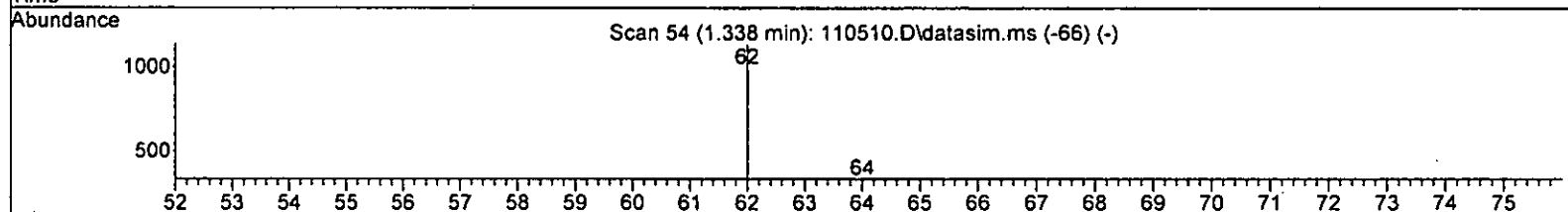
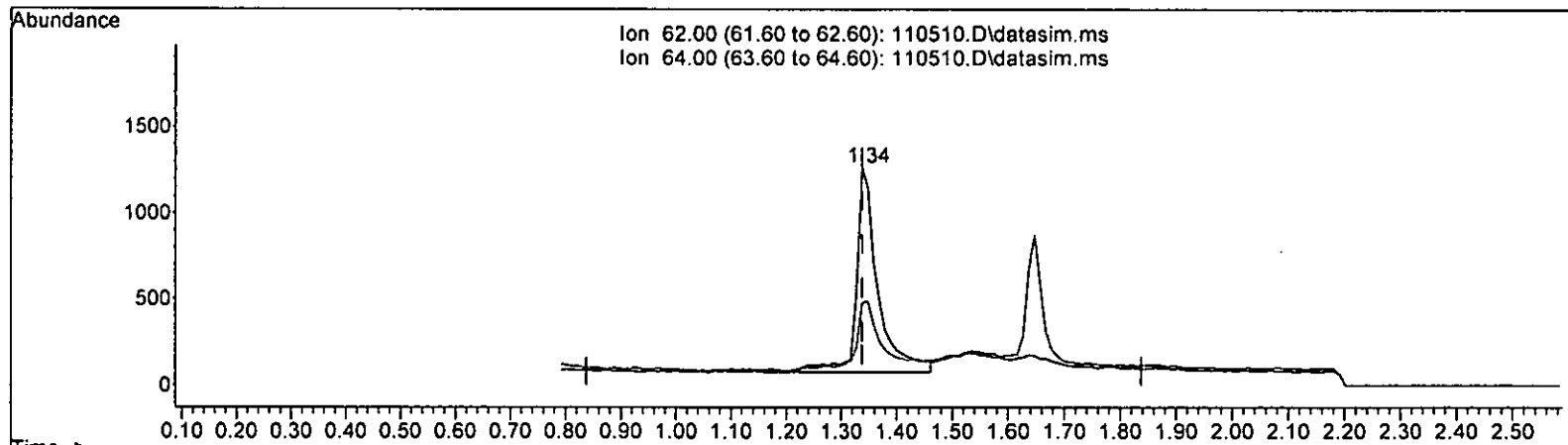
(#) = Out of Range

SPCC's out = 10 CCC's out = 0

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110510.D
 Acq On : 05 Nov 2022 01:07 pm
 Operator : VM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:17 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110510.D\data.ms

(6) Vinyl chloride (TMP)

1.338min (+ 0.000) 0.555 ppb

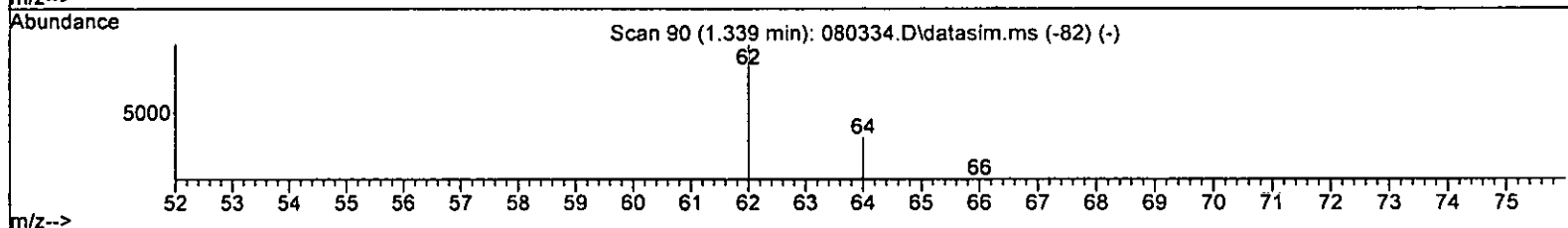
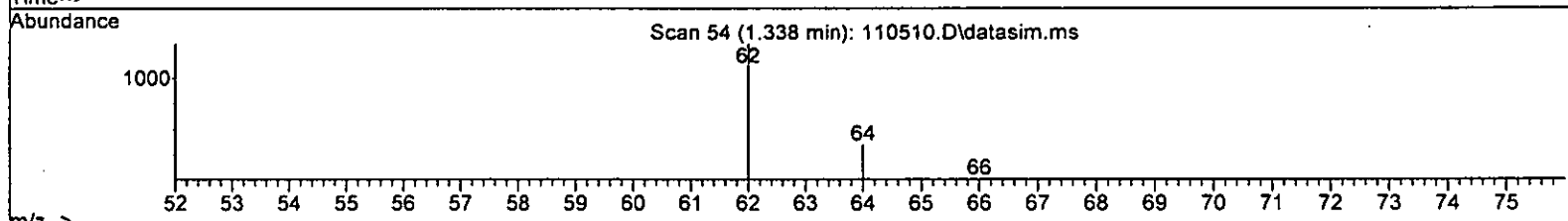
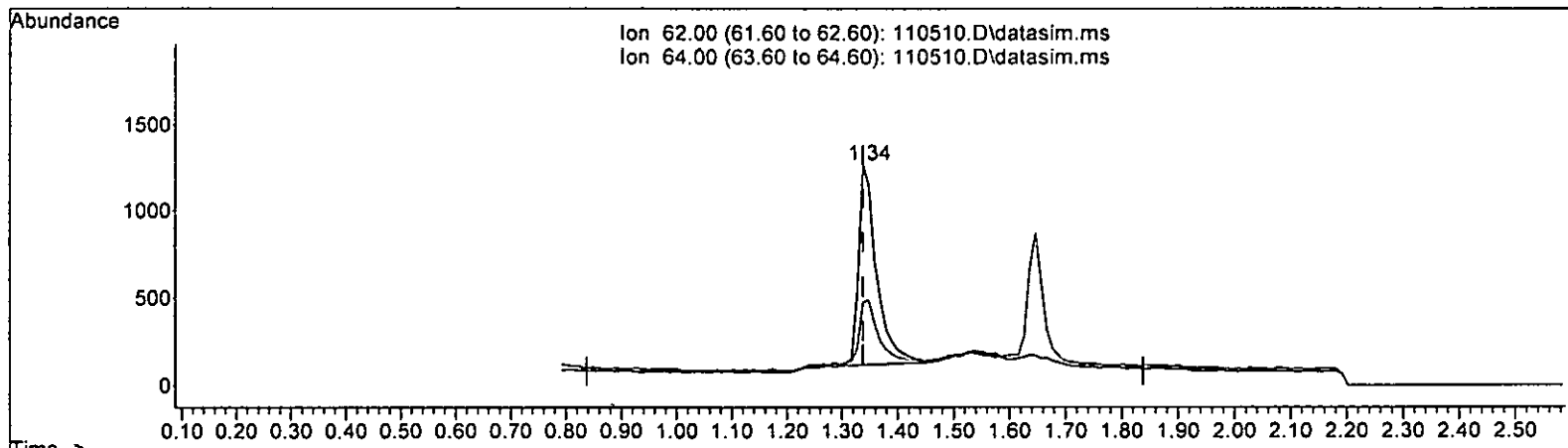
response 3158

Ion	Exp%	Act%
62.00	100.00	100.00
64.00	34.40	32.61
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110510.D
 Acq On : 05 Nov 2022 01:07 pm
 Operator : VM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:17 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110510.D\data.ms

(6) Vinyl chloride (TMP)

1.338min (+ 0.000) 0.451 ppb m

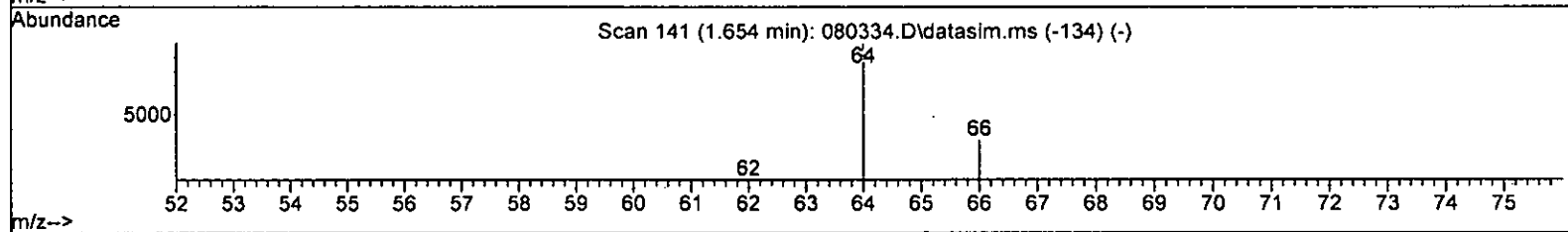
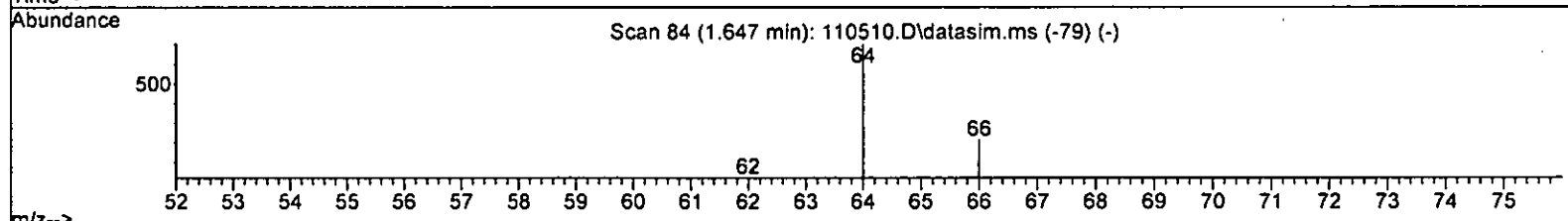
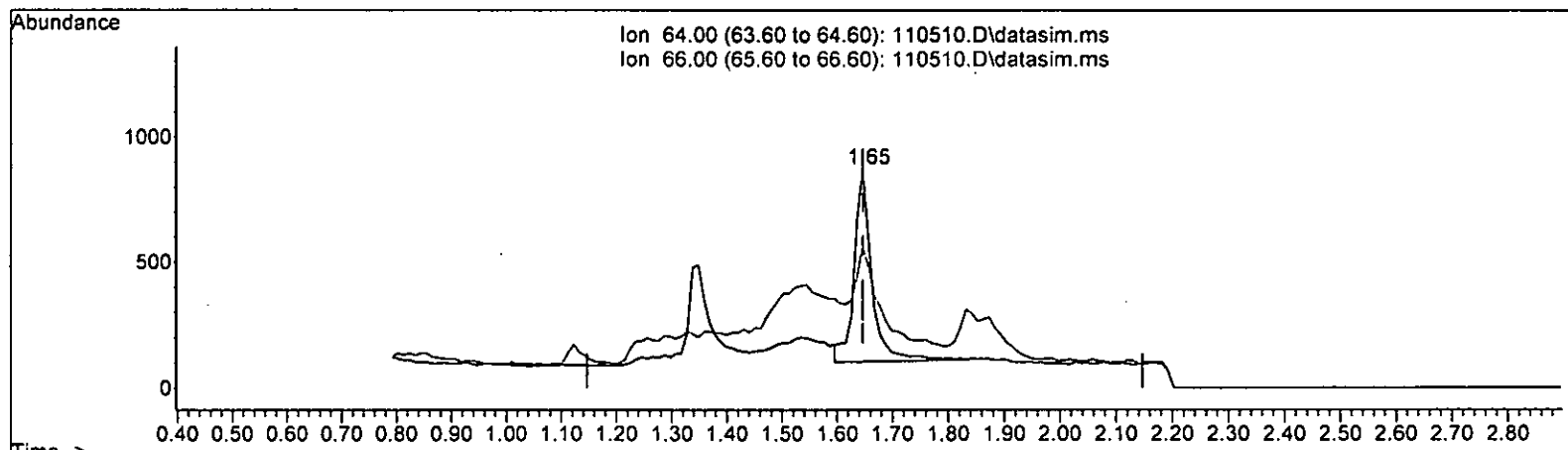
response 2566

Ion	Exp%	Act%
62.00	100.00	100.00
64.00	34.40	37.62
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110510.D
 Acq On : 05 Nov 2022 01:07 pm
 Operator : VM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:17 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110510.D\data.ms

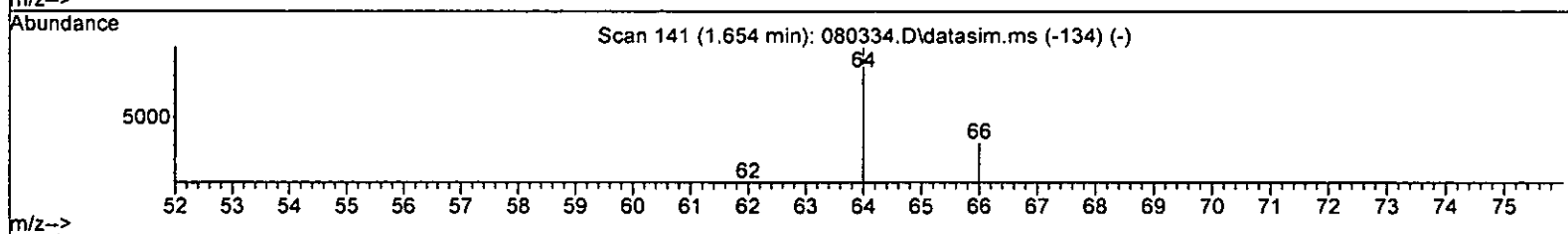
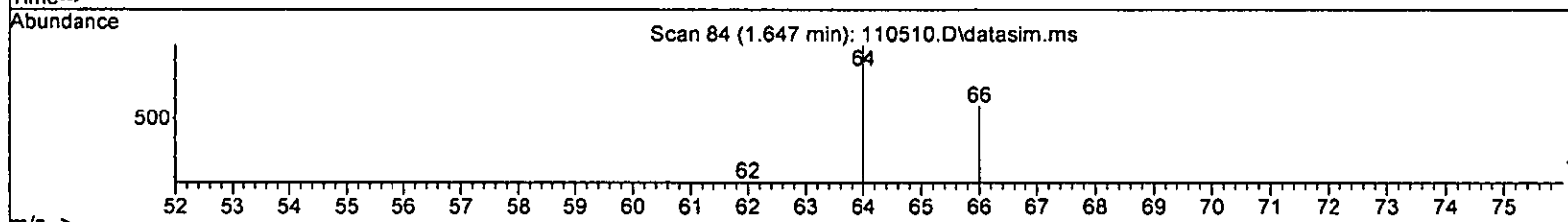
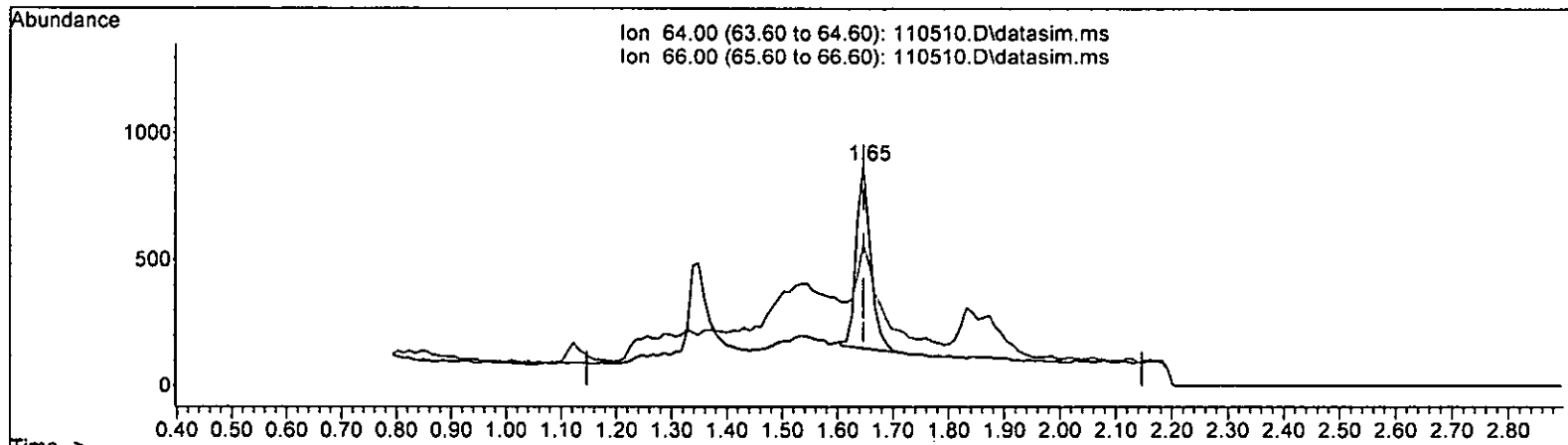
(8) Chloroethane (TMP)
 1.647min (-0.000) 0.654 ppb
 response 1669

Ion	Exp%	Act%
64.00	100.00	100.00
66.00	30.90	33.07
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110510.D
 Acq On : 05 Nov 2022 01:07 pm
 Operator : VM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:17 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110510.D\data.ms

(8) Chloroethane (TMP)

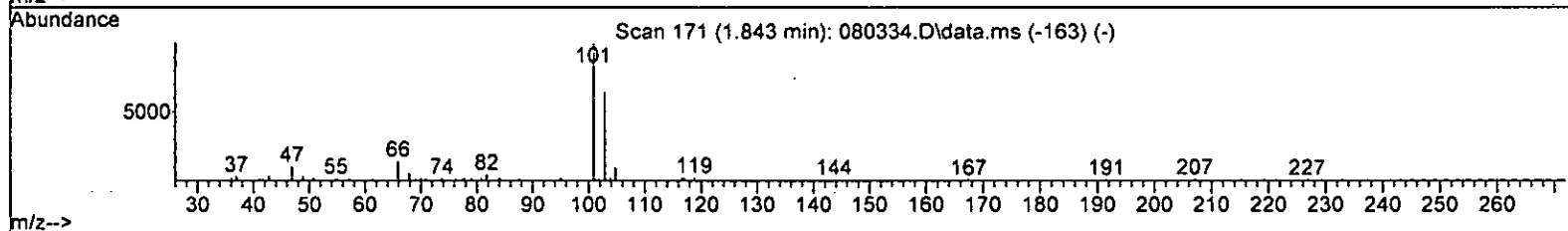
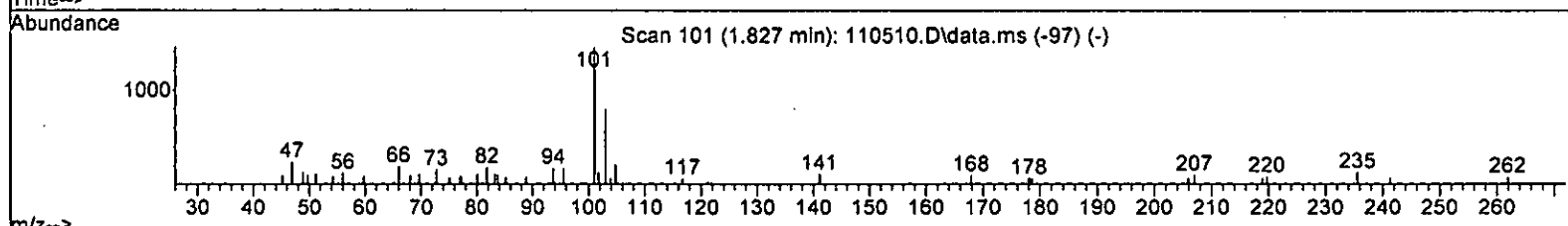
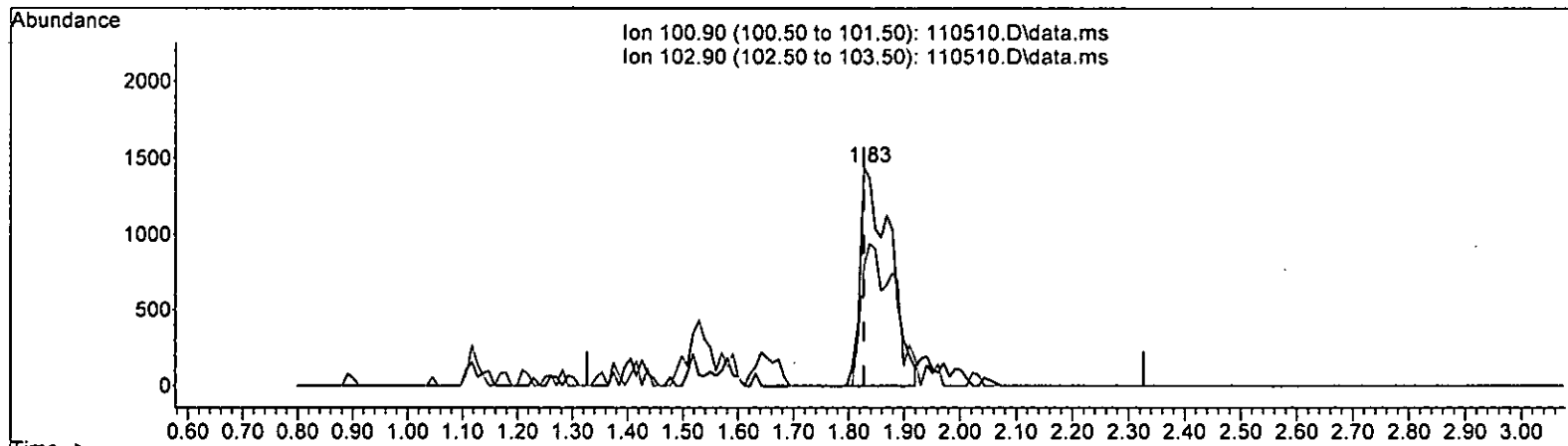
1.647min (-0.000) 0.504 ppb m

response	1286	
Ion	Exp%	Act%
64.00	100.00	100.00
66.00	30.90	64.42#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110510.D
 Acq On : 05 Nov 2022 01:07 pm
 Operator : VM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:17 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110510.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.827min (-0.000) 0.426 ppb

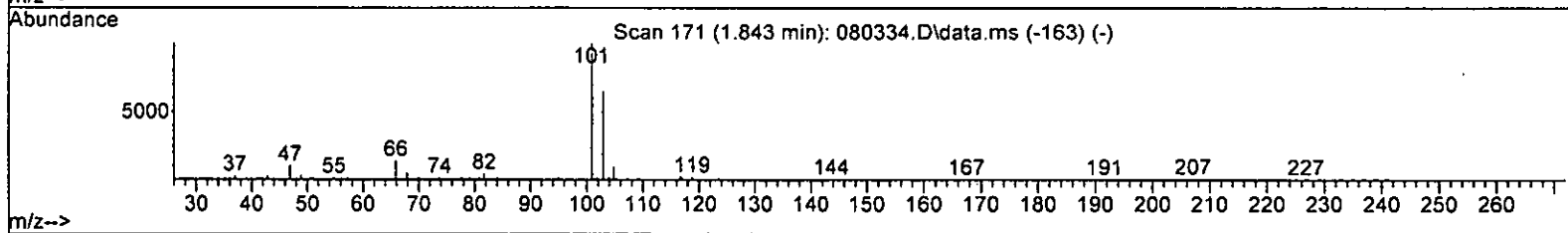
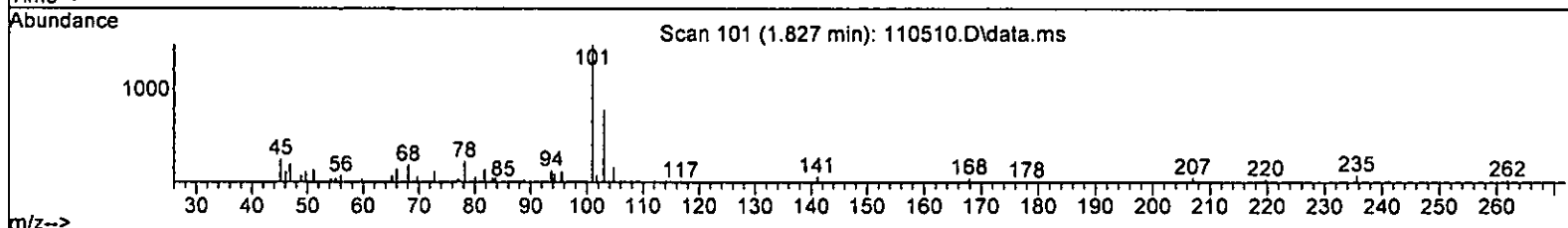
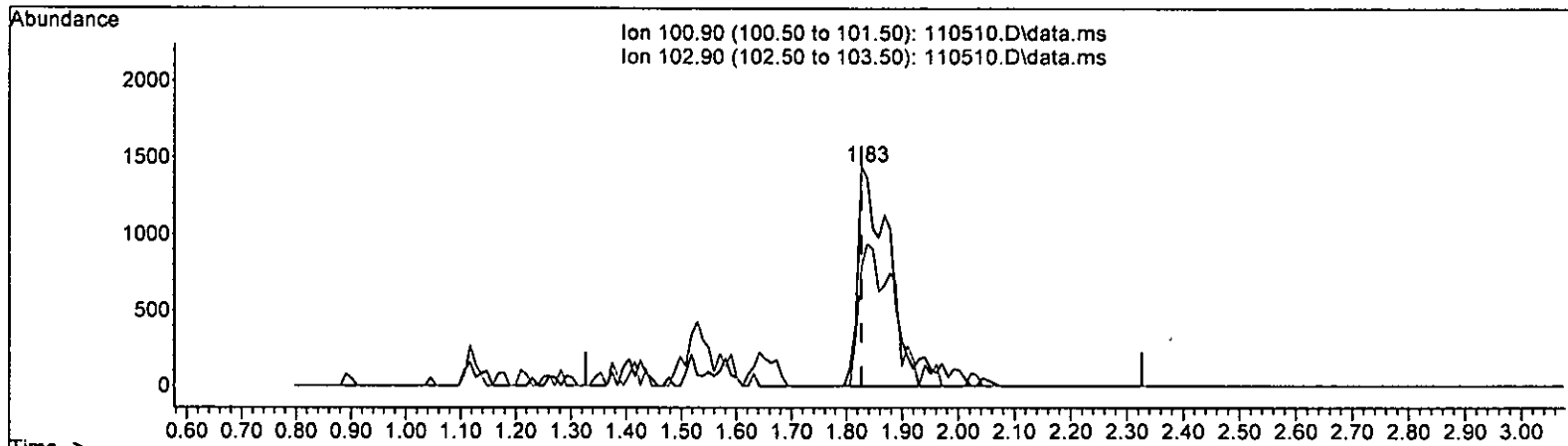
response 5341

Ion	Exp%	Act%
100.90	100.00	100.00
102.90	65.30	54.74
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110510.D
 Acq On : 05 Nov 2022 01:07 pm
 Operator : VM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:17 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110510.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.827min (-0.000) 0.511 ppb m

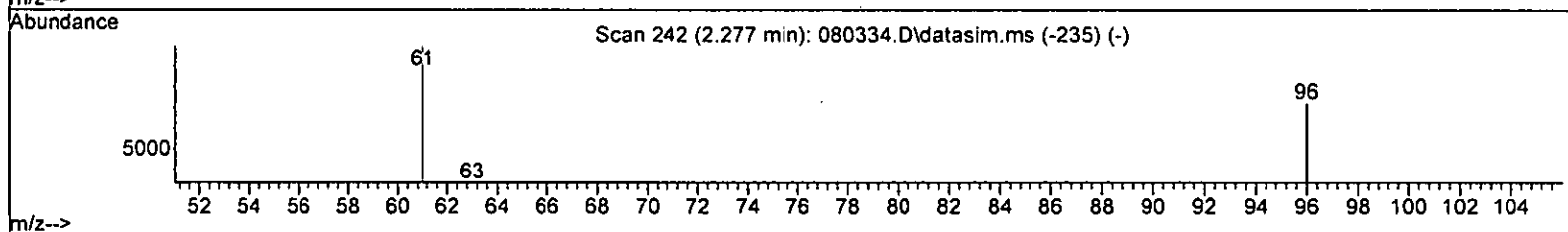
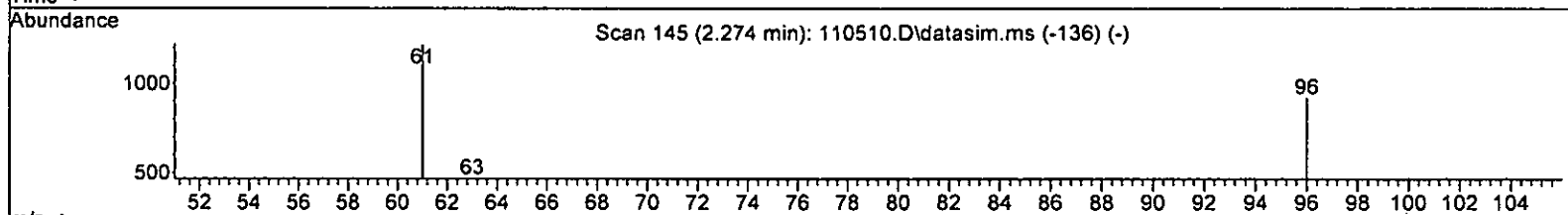
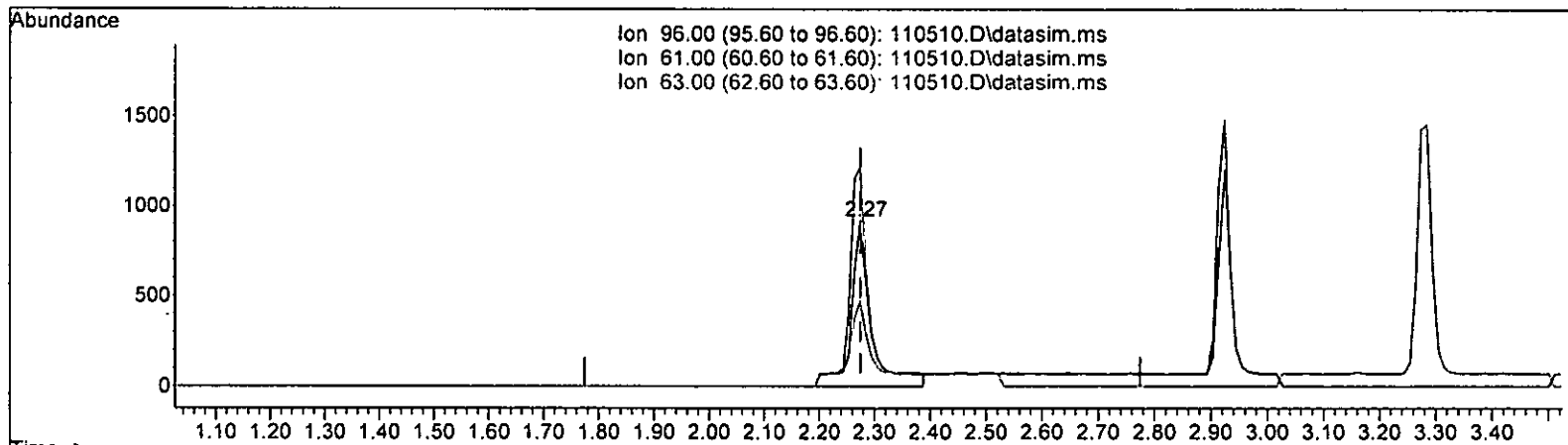
response 6405

Ion	Exp%	Act%
100.90	100.00	100.00
102.90	65.30	54.74
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110510.D
 Acq On : 05 Nov 2022 01:07 pm
 Operator : VM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:17 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110510.D\data.ms

(12) 1,1-Dichloroethene (TMP)

2.274min (-0.001) 0.721 ppb

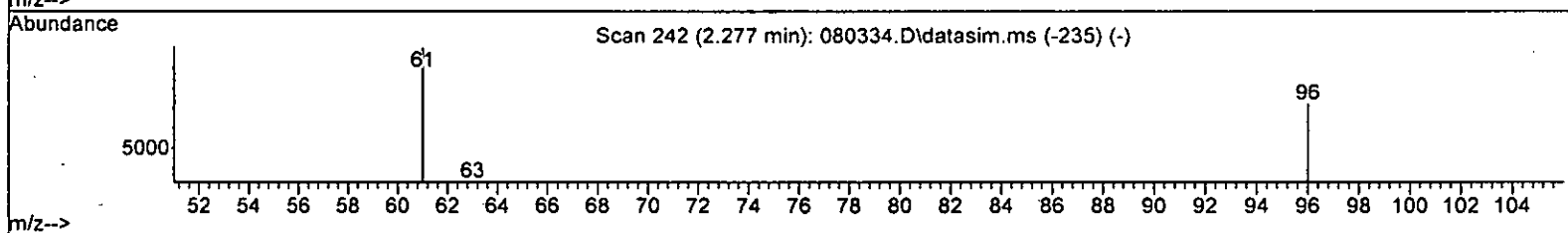
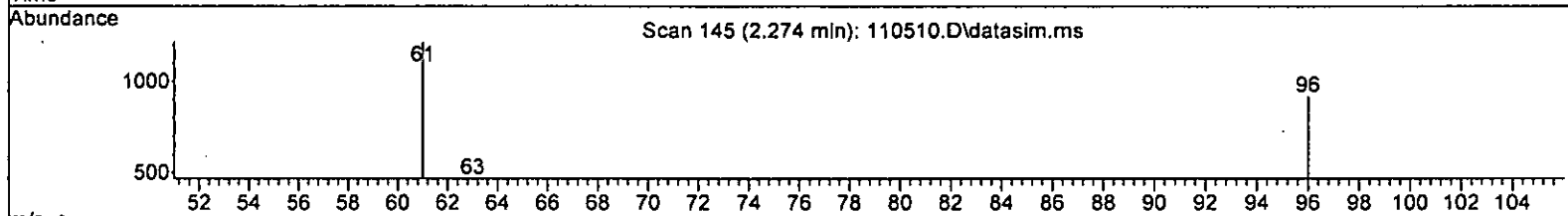
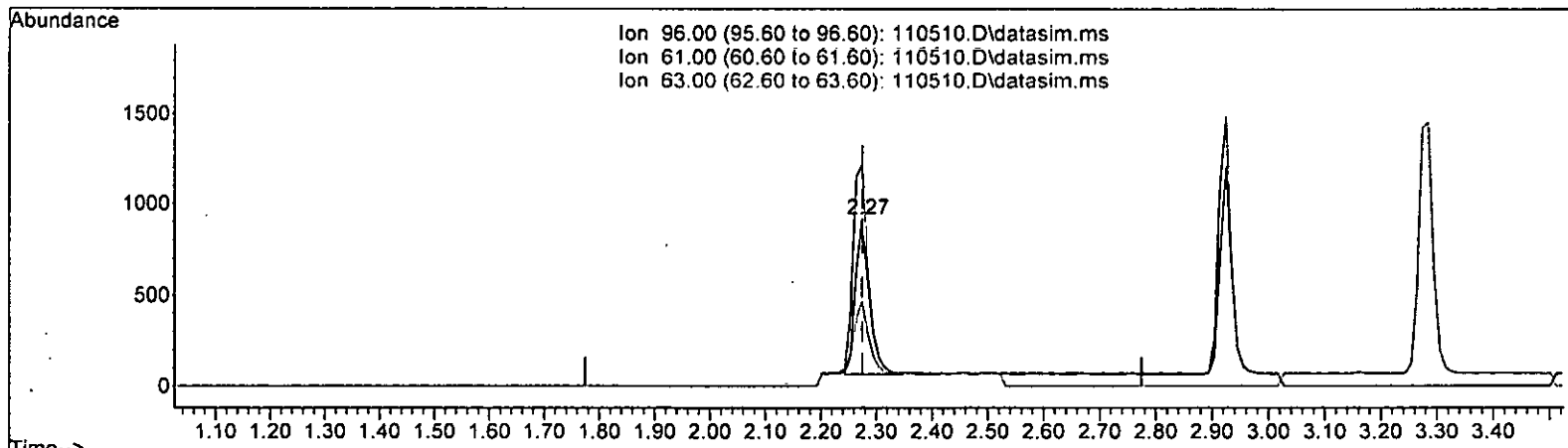
response 2292

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	120.90	132.72
63.00	43.90	50.93
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110510.D
 Acq On : 05 Nov 2022 01:07 pm
 Operator : VM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:17 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110510.D\data.ms

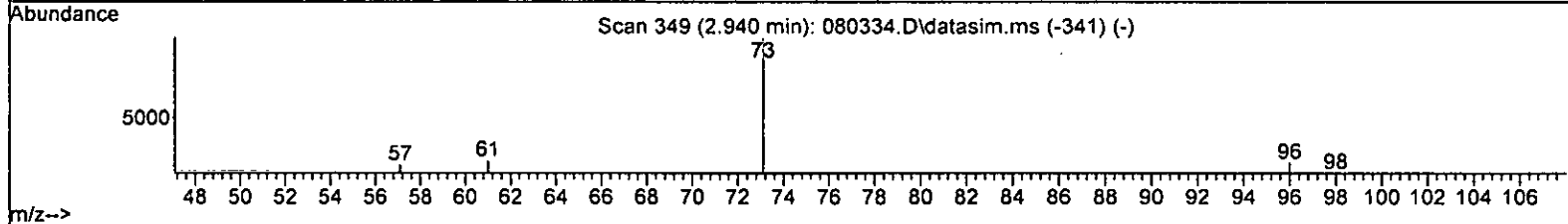
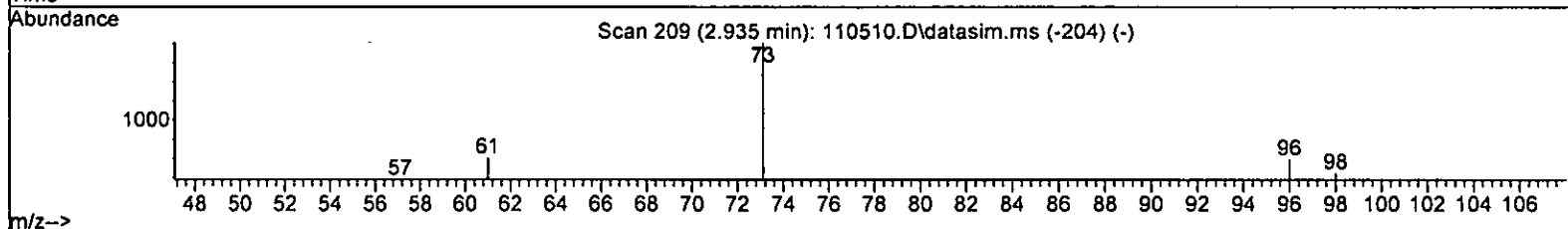
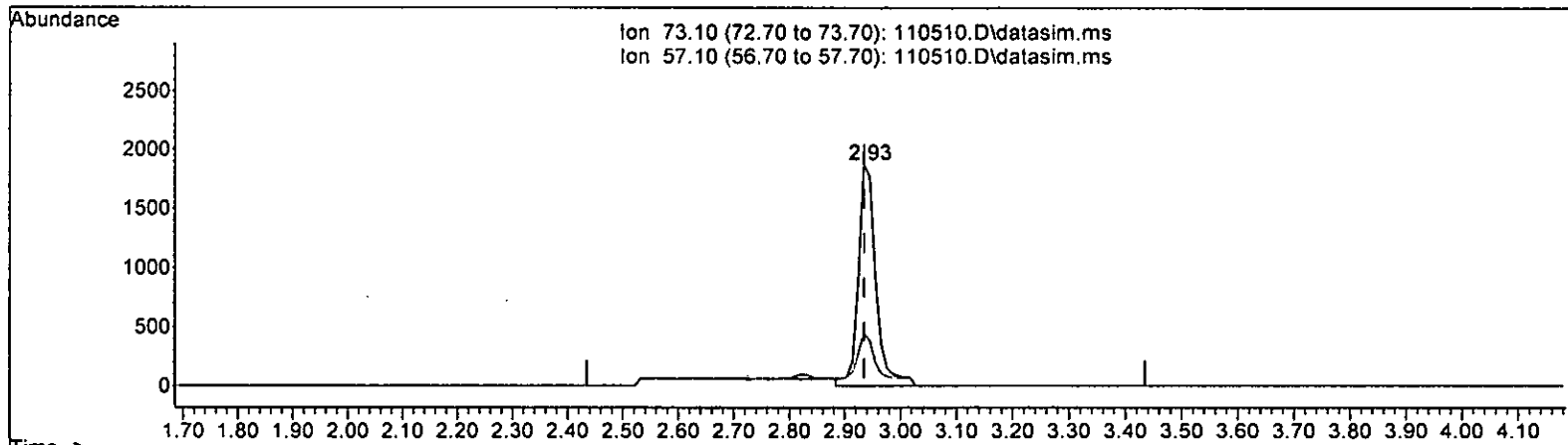
(12) 1,1-Dichloroethene (TMP)
 2.274min (-0.001) 0.471 ppb m

response	1498	
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	120.90	132.72
63.00	43.90	50.93
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110510.D
 Acq On : 05 Nov 2022 01:07 pm
 Operator : VM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:17 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110510.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

2.935min (-0.000) 0.550 ppb

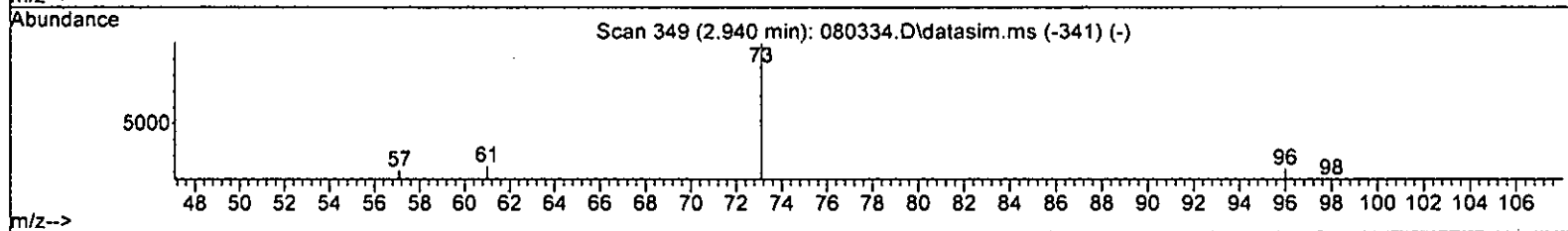
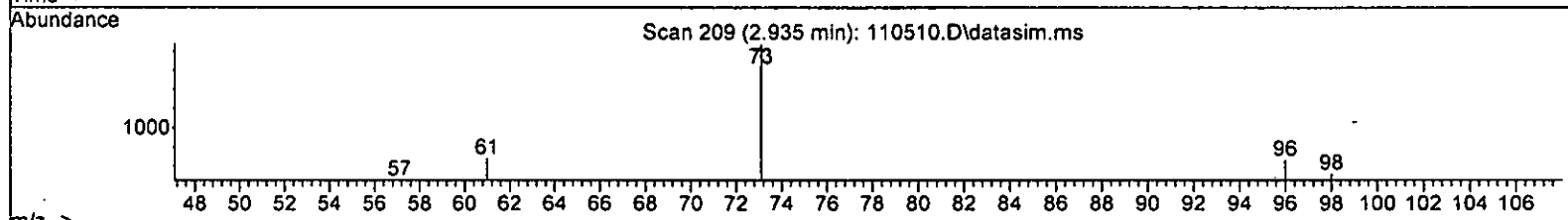
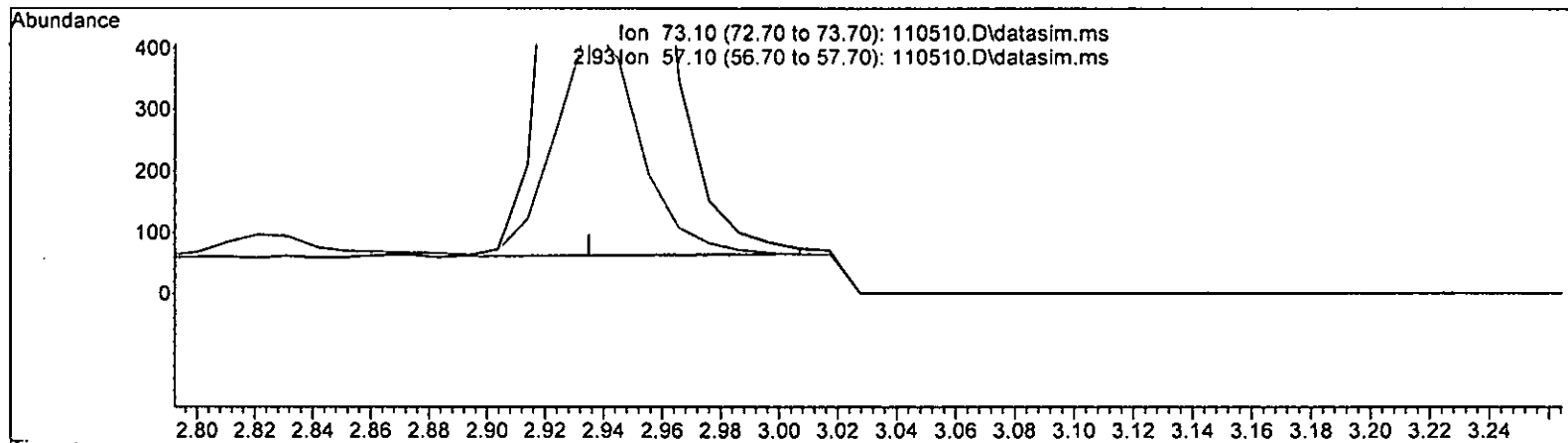
response 4087

Ion	Exp%	Act%
73.10	100.00	100.00
57.10	19.40	23.82
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110510.D
 Acq On : 05 Nov 2022 01:07 pm
 Operator : VM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:17 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110510.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

2.935min (-0.000) 0.482 ppb m

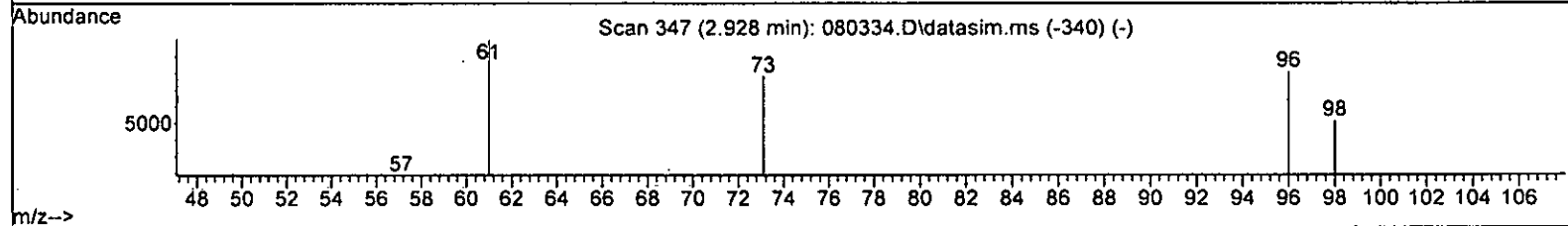
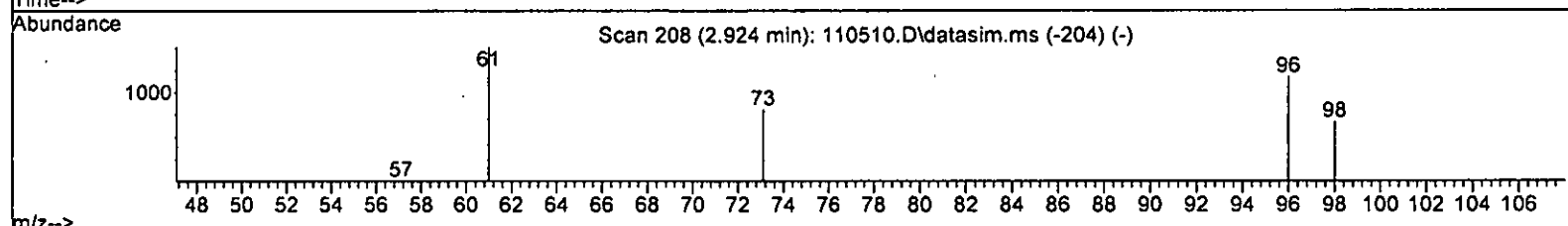
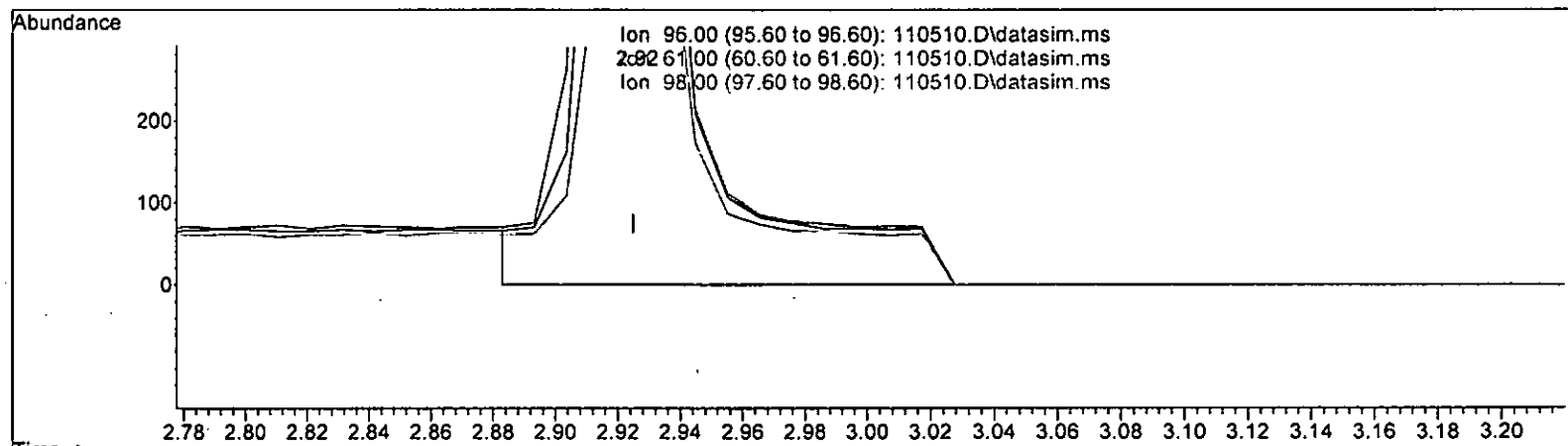
response 3577

Ion	Exp%	Act%
73.10	100.00	100.00
57.10	19.40	23.82
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110510.D
 Acq On : 05 Nov 2022 01:07 pm
 Operator : VM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:17 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110510.D\data.ms

(17) trans-1,2-Dichloroethene (TMP)

2.924min (-0.001) 0.617 ppb

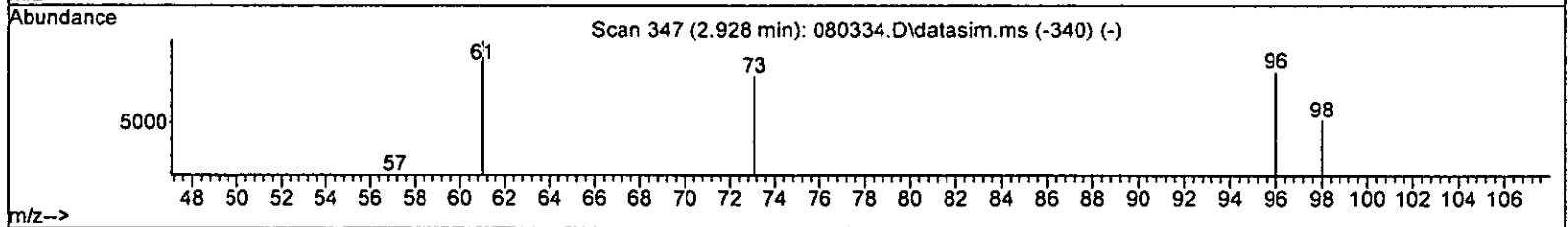
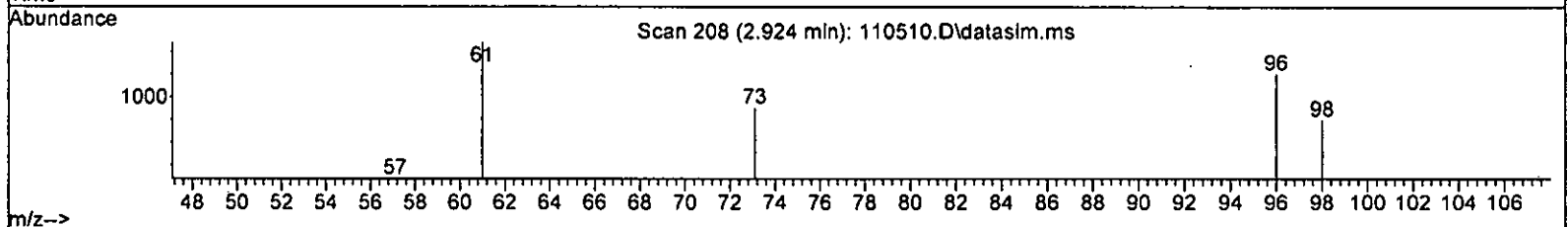
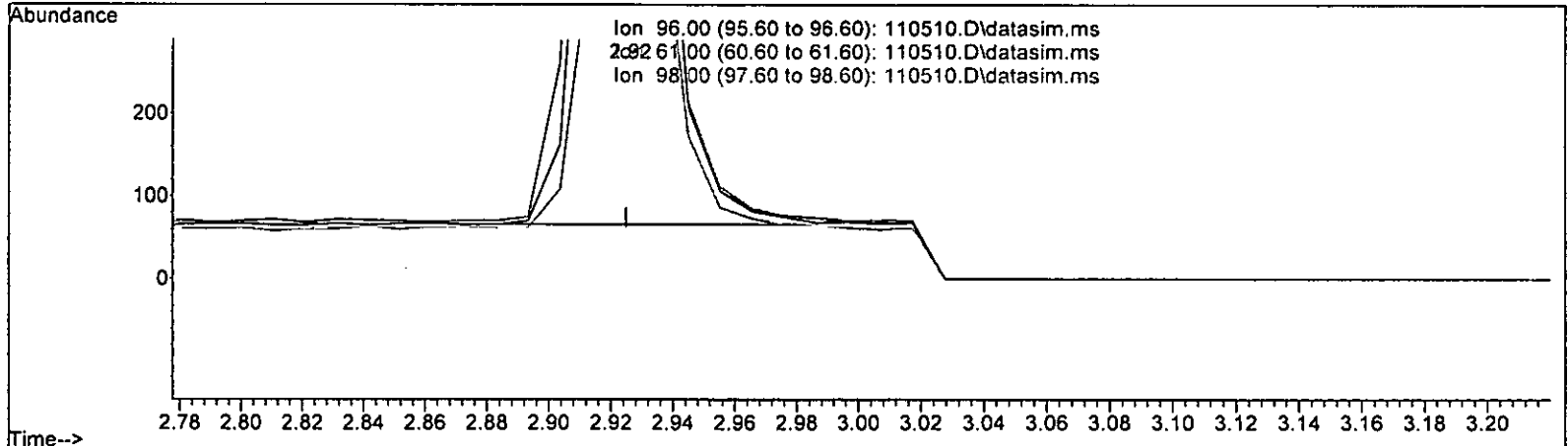
response 2191

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	108.70	123.04
98.00	67.30	66.06
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110510.D
 Acq On : 05 Nov 2022 01:07 pm
 Operator : VM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:17 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



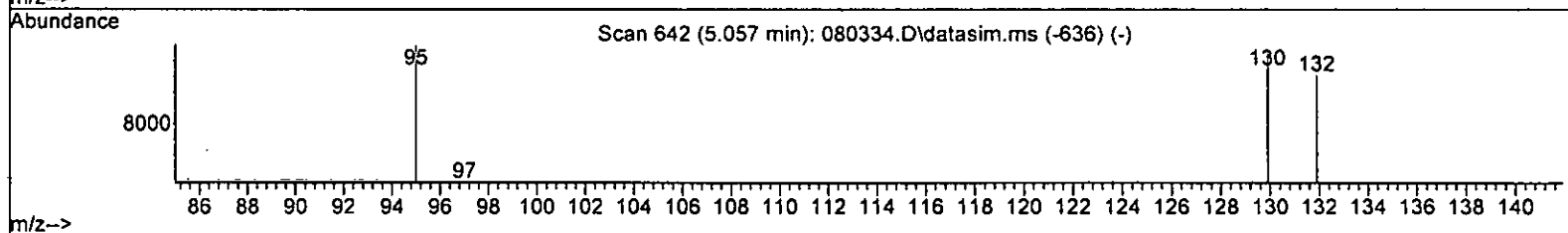
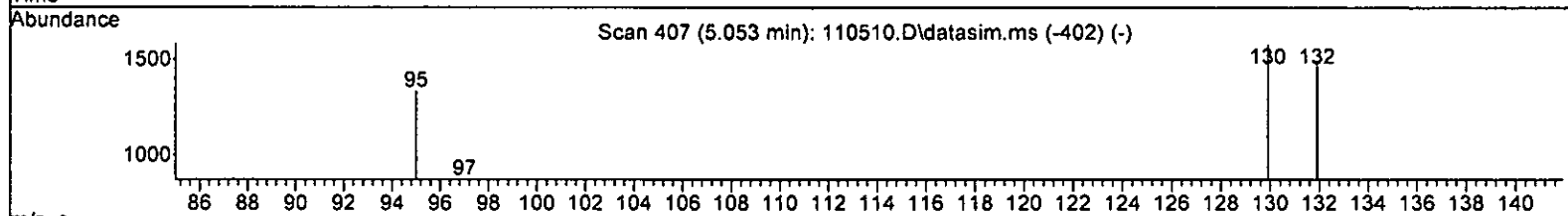
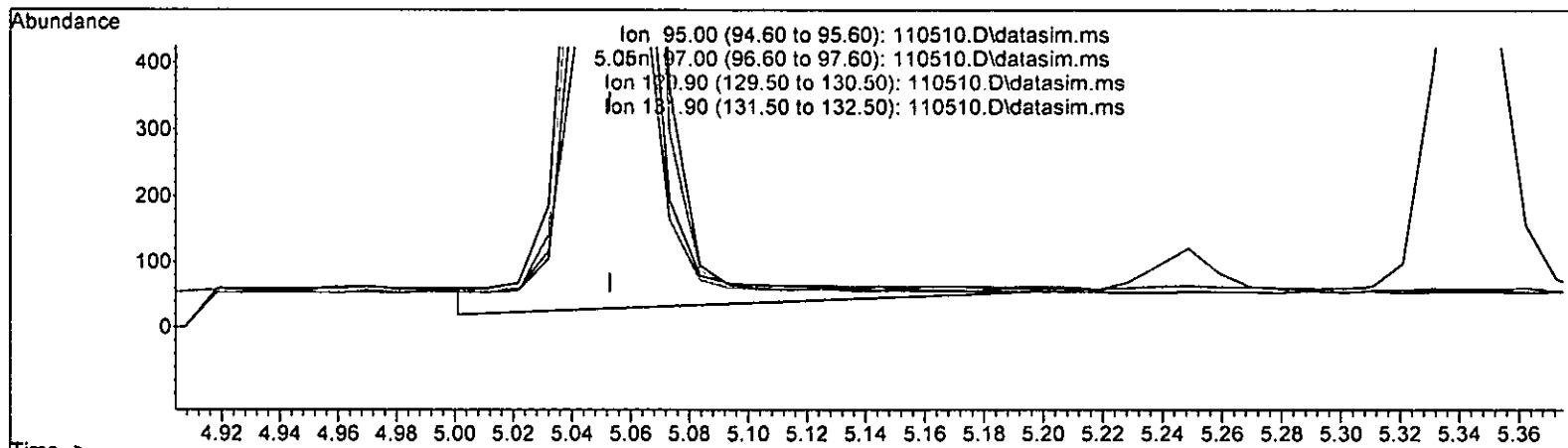
TIC: 110510.D\data.ms

(17) trans-1,2-Dichloroethene (TMP)			
2.924min (-0.001) 0.466 ppb m			
response	1656		
Ion	Exp%	Act%	
96.00	100.00	100.00	
61.00	108.70	123.04	
98.00	67.30	66.06	
0.00	0.00	0.00	

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110510.D
 Acq On : 05 Nov 2022 01:07 pm
 Operator : VM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:17 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



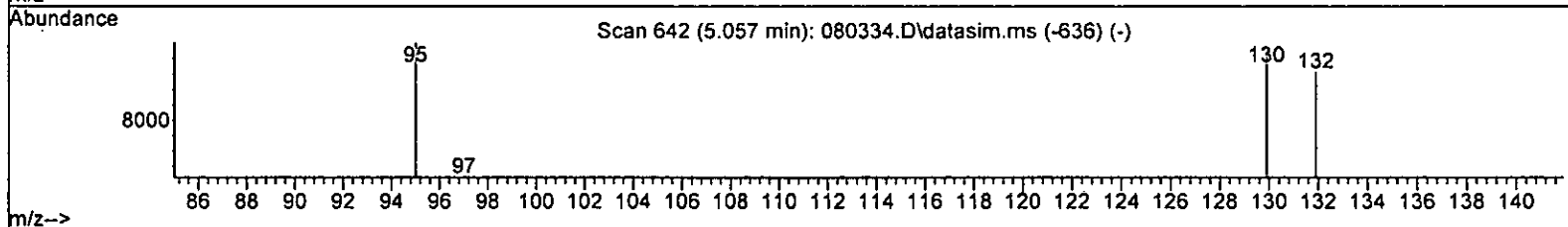
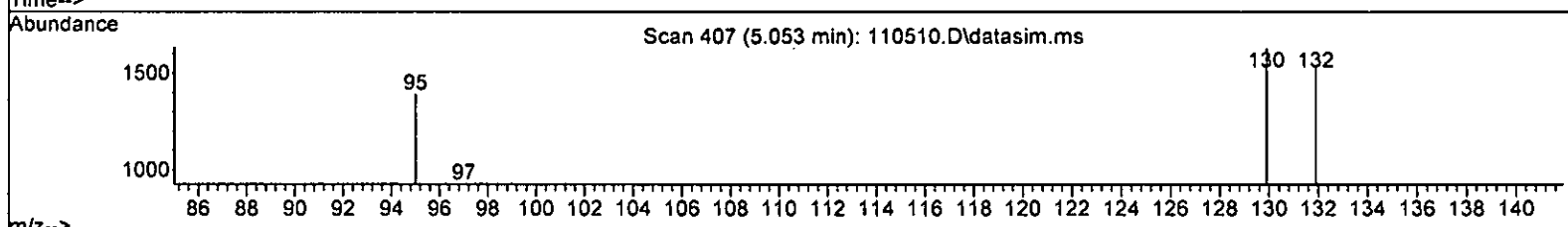
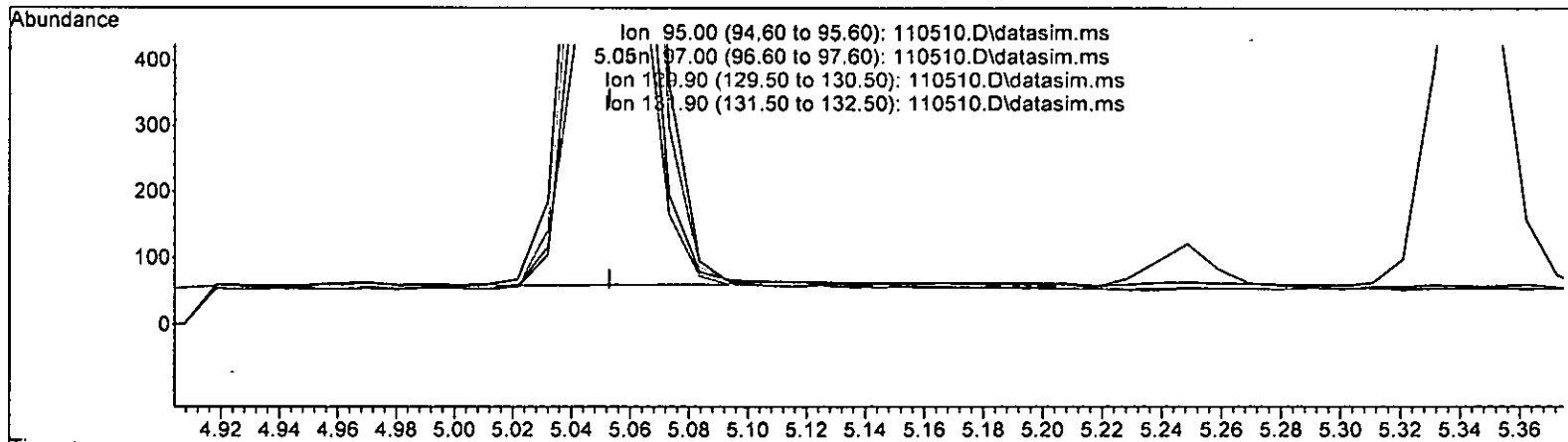
TIC: 110510.D\data.ms

(32) Trichloroethene (TME)		
5.053min (-0.000)	0.538 ppb	
response	2198	
Ion	Exp%	Act%
95.00	100.00	100.00
97.00	64.60	65.24
129.90	103.40	118.47
131.90	95.80	111.71

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110510.D
 Acq On : 05 Nov 2022 01:07 pm
 Operator : VM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:17 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110510.D\data.ms

(32) Trichloroethene (TMP)
 5.053min (-0.000) 0.468 ppb m
 response 1915

Ion	Exp%	Act%
95.00	100.00	100.00
97.00	64.60	66.62
129.90	103.40	117.41
131.90	95.80	110.94

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110510.D
 Acq On : 05 Nov 2022 01:07 pm
 Operator : VM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:17 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) Fluorobenzene	4.75	96	111564	10.000	ppb	0.00	
39) Chlorobenzene-d5	7.40	117	90038	10.000	ppb	0.00	
56) 1,4-Dichlorobenzene-d4	9.62	152	50622	10.000	ppb	0.00	
System Monitoring Compounds							
3) Dibromofluoromethane	4.17	113	36119	10.096	ppb	0.00	
Spiked Amount	10.000	Range	50 - 150	Recovery	=	101.00%	
30) 1,2-Dichloroethane-d4	4.45	102	6567	9.472	ppb	0.00	
Spiked Amount	10.000	Range	84 - 120	Recovery	=	94.70%	
35) Toluene-d8	6.11	98	102563	9.639	ppb	0.00	
Spiked Amount	10.000	Range	73 - 128	Recovery	=	96.40%	
57) 4-Bromofluorobenzene	8.51	95	34829	9.985	ppb	0.00	
Spiked Amount	10.000	Range	57 - 146	Recovery	=	99.90%	
Target Compounds							
2) Ethanol	2.31	45	242	No Calib			
4) Dichlorodifluoromethane	1.12	85	4960	0.556	ppb	95	
5) Chloromethane	0.00		0	N.D.	d		
6] Vinyl chloride	1.34	62	2566m	0.451	ppb		
7) Bromomethane	0.00		0	N.D.	d		
8] Chloroethane	1.65	64	1286m	0.504	ppb		
9) Trichlorofluoromethane	1.83	101	6405m	0.511	ppb		
10] 2-Propanol	2.31	45	242	No Calib			
11) Acetone	2.33	58	1062	2.685	ppb	92	
12] 1,1-Dichloroethene	2.27	96	1498m	0.471	ppb		
13) Hexane	0.00		0	N.D.	d		
14) Methylene chloride	0.00		0	N.D.	d		
15) t-Butyl alcohol (TBA)	0.00		0	N.D.	d		
16] Methyl t-butyl ether (...)	2.93	73	3577m	0.482	ppb		
17] trans-1,2-Dichloroethene	2.92	96	1656m	0.466	ppb		
18) Diisopropyl ether (DIPE)	3.35	45	3909	0.502	ppb	91	
19] 1,1-Dichloroethane	3.28	63	2472	0.478	ppb	93	
20] Ethyl t-butyl ether (E...)	3.66	87	1617	0.563	ppb	# 84	
21) 2,2-Dichloropropane	3.77	77	1440	0.505	ppb	91	
22] cis-1,2-Dichloroethene	3.77	96	1785	0.480	ppb	95	
23) Chloroform	4.04	83	3271	0.544	ppb	93	
24) 2-Butanone (MEK)	3.79	43	3644	2.364	ppb	93	
25) t-Amyl methyl ether (T...)	4.61	73	2774	0.460	ppb	90	
26] 1,2-Dichloroethane (EDC)	4.53	62	2459	0.505	ppb	96	
27] 1,1,1-Trichloroethane	4.19	97	2484	0.462	ppb	92	
28) 1,1-Dichloropropene	4.33	75	2049	0.490	ppb	87	
29) Carbon tetrachloride	4.33	117	2913	0.538	ppb	74	
31] Benzene	4.50	78	6008	0.482	ppb	98	
32] Trichloroethene	5.05	95	1915m	0.468	ppb		
33) 1,2-Dichloropropane	5.24	63	1246	0.464	ppb	91	
34) Bromodichloromethane	5.48	83	2208	0.512	ppb	87	
36) Dibromomethane	5.35	93	1413	0.577	ppb	93	

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110510.D
 Acq On : 05 Nov 2022 01:07 pm
 Operator : VM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS13

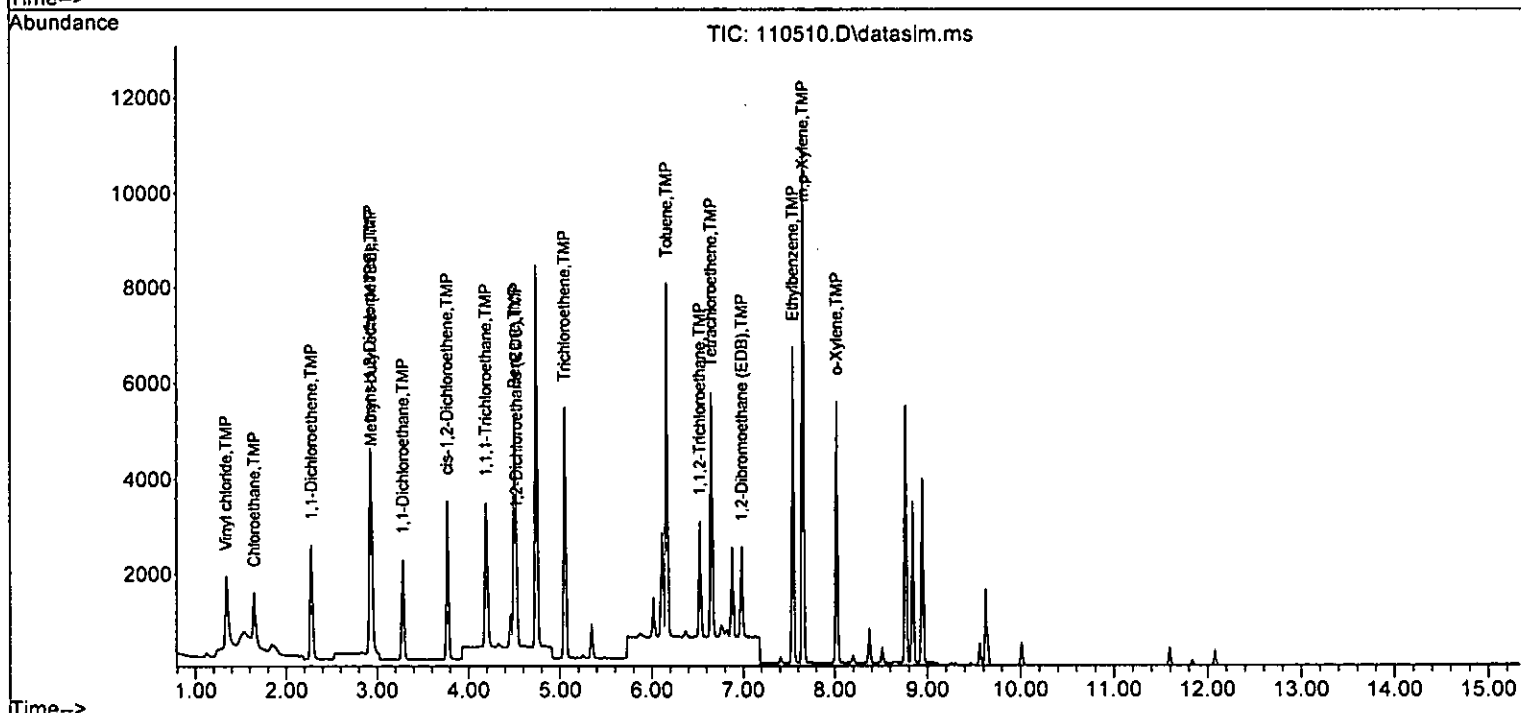
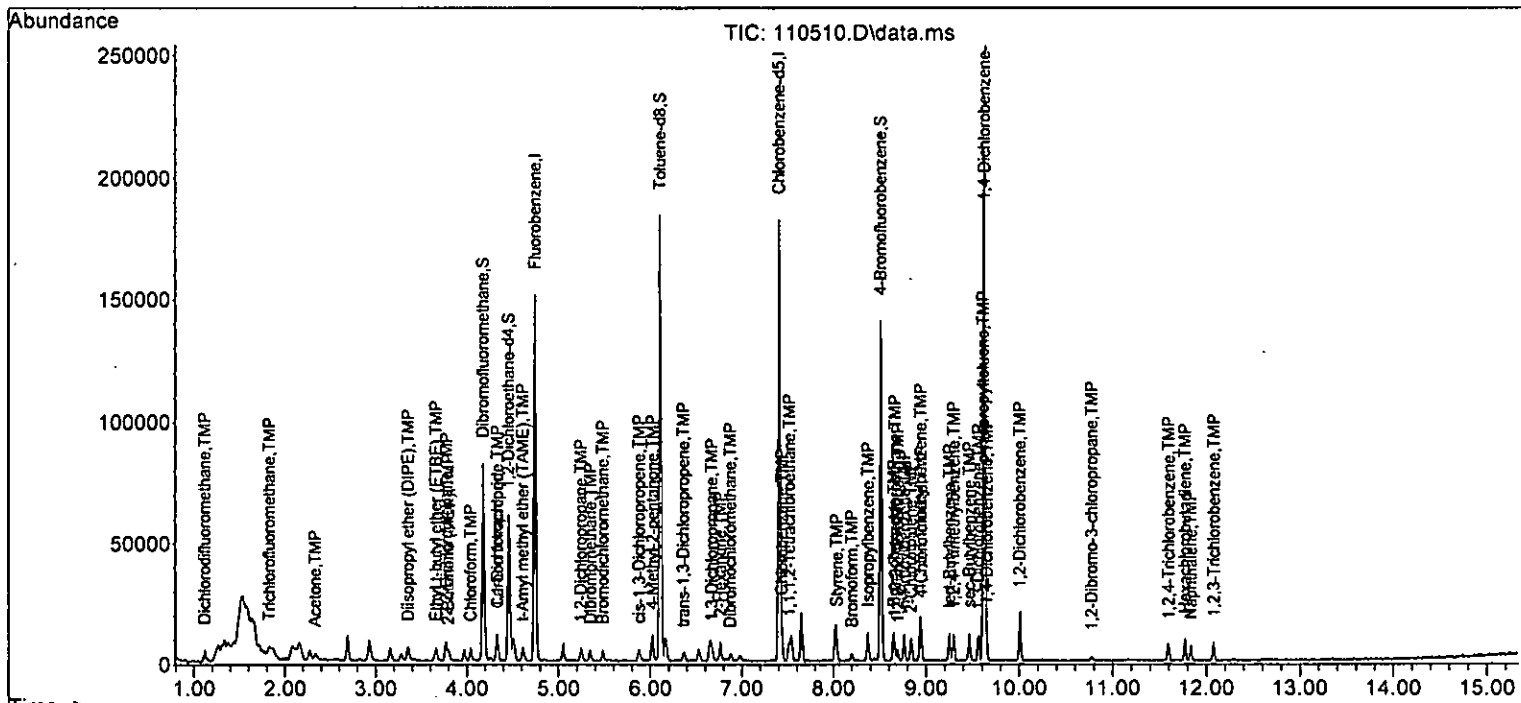
Quant Time: Nov 07 15:17:17 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	6.02	85	1234	2.607	ppb	92
38) cis-1,3-Dichloropropene	5.88	75	1991	0.496	ppb	75
40] Toluene	6.16	92	3797	0.510	ppb	97
41) trans-1,3-Dichloropropene	6.36	75	1400	0.451	ppb	80
42] 1,1,2-Trichloroethane	6.53	83	1209	0.505	ppb	94
43) 2-Hexanone	6.76	43	4462	2.614	ppb	91
44) 1,3-Dichloropropane	6.67	76	2024	0.492	ppb	96
45] Tetrachloroethene	6.65	164	1919	0.522	ppb	97
46) Dibromochloromethane	6.87	129	1798	0.440	ppb	94
47] 1,2-Dibromoethane (EDB)	6.98	107	1474	0.455	ppb	97
48) Chlorobenzene	7.43	112	4834	0.541	ppb	94
49] Ethylbenzene	7.54	91	6733	0.480	ppb	96
50] 1,1,1,2-Tetrachloroethane	7.52	131	1772	0.509	ppb	91
51] m,p-Xylene	7.65	106	5123	0.930	ppb	93
52] o-Xylene	8.02	106	2479	0.466	ppb	92
53) Styrene	8.03	104	3761	0.471	ppb	99
54) Isopropylbenzene	8.37	105	5911	0.457	ppb	89
55) Bromoform	8.20	173	1341	0.498	ppb	92
58) n-Propylbenzene	8.77	91	6959	0.509	ppb	91
59) Bromobenzene	8.65	156	2039	0.481	ppb	91
60] 1,3,5-Trimethylbenzene	8.94	105	4779	0.480	ppb	88
61] 1,1,2,2-Tetrachloroethane	8.66	83	1676	0.471	ppb	97
62] 1,2,3-Trichloropropane	8.70	75	1478	0.600	ppb	87
63) 2-Chlorotoluene	8.84	91	4404	0.538	ppb	86
64) 4-Chlorotoluene	8.95	91	5220	0.539	ppb	90
65) tert-Butylbenzene	9.25	119	4875	0.493	ppb	91
66) 1,2,4-Trimethylbenzene	9.30	105	4680	0.463	ppb	83
67) sec-Butylbenzene	9.46	105	6241	0.470	ppb	89
68) p-Isopropyltoluene	9.61	119	5572	0.461	ppb	91
69) 1,3-Dichlorobenzene	9.56	146	3918	0.506	ppb	94
70] 1,4-Dichlorobenzene	9.65	146	3747	0.473	ppb	92
71] 1,2-Dichlorobenzene	10.01	146	3473	0.472	ppb	98
72] 1,2-Dibromo-3-chloropr...	10.77	75	298	0.546	ppb #	73
73) 1,2,4-Trichlorobenzene	11.60	180	2240	0.456	ppb	98
74) Hexachlorobutadiene	11.77	225	1571	0.517	ppb	91
75) Naphthalene	11.83	128	4029	0.509	ppb	89
76) 1,2,3-Trichlorobenzene	12.08	180	1986	0.464	ppb	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110510.D
 Acq On : 05 Nov 2022 01:07 pm
 Operator : VM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:17 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110510.D
 Acq On : 05 Nov 2022 01:07 pm
 Operator : VM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:17 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I Fluorobenzene	10.000	10.000	0.0	100	0.00
2 TMP Ethanol	-1.000	0.000	0.0	0	-0.02
3 S Dibromofluoromethane	10.000	10.096	-1.0	100	0.00
4 TMP Dichlorodifluoromethane	0.500	0.556	-11.2	100	0.00
5 TMP Chloromethane	-1.000	0.000	0.0	0	-1.26#
6 TMP Vinyl chloride	0.500	0.451	9.8	96	0.00
7 TMP Bromomethane	-1.000	0.000	0.0	0	-1.58#
8 TMP Chloroethane	0.500	0.504	-0.8	109	0.00
9 TMP Trichlorofluoromethane	0.500	0.511	-2.2	120	0.00
10 TMP 2-Propanol	-1.000	0.000	0.0	0	-0.02
11 TMP Acetone	2.500	2.685	-7.4	100	0.00
12 TMP 1,1-Dichloroethene	0.500	0.471	5.8	100	0.00
13 TMP Hexane	-1.000	0.000	0.0	0	-3.16#
14 TMP Methylene chloride	-1.000	0.000	0.0	0	-2.68#
15 TMP t-Butyl alcohol (TBA)	-1.000	0.000	0.0	0	-2.82#
16 TMP Methyl t-butyl ether (MTBE)	0.500	0.482	3.6	101	0.00
17 TMP trans-1,2-Dichloroethene	0.500	0.466	6.8	97	0.00
18 TMP Diisopropyl ether (DIPE)	0.500	0.502	-0.4	100	0.00
19 TMP 1,1-Dichloroethane	0.500	0.478	4.4	100	0.00
20 TMP Ethyl t-butyl ether (ETBE)	0.500	0.563	-12.6	100	0.00
21 TMP 2,2-Dichloropropane	0.500	0.505	-1.0	100	0.00
22 TMP cis-1,2-Dichloroethene	0.500	0.480	4.0	100	0.00
23 TMP Chloroform	0.500	0.544	-8.8	100	0.00
24 TMP 2-Butanone (MEK)	2.500	2.364	5.4	105	0.00
25 TMP t-Amyl methyl ether (TAME)	0.500	0.460	8.0	100	0.00
26 TMP 1,2-Dichloroethane (EDC)	0.500	0.505	-1.0	103	0.00
27 TMP 1,1,1-Trichloroethane	0.500	0.462	7.6	100	0.00
28 TMP 1,1-Dichloropropane	0.500	0.490	2.0	100	0.00
29 TMP Carbon tetrachloride	0.500	0.538	-7.6	100	0.00
30 S 1,2-Dichloroethane-d4	10.000	9.472	5.3	100	0.00
31 TMP Benzene	0.500	0.482	3.6	100	0.00
32 TMP Trichloroethene	0.500	0.468	6.4	100	0.00
33 TMP 1,2-Dichloropropane	0.500	0.464	7.2	100	0.00
34 TMP Bromodichloromethane	0.500	0.512	-2.4	100	0.00
35 S Toluene-d8	10.000	9.639	3.6	100	0.00
36 TMP Dibromomethane	0.500	0.577	-15.4	100	0.00
37 TMP 4-Methyl-2-pentanone	2.500	2.607	-4.3	104	0.00
38 TMP cis-1,3-Dichloropropene	0.500	0.496	0.8	100	0.00
39 I Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40 TMP Toluene	0.500	0.510	-2.0	100	0.00
41 TMP trans-1,3-Dichloropropene	0.500	0.451	9.8	100	0.00
42 TMP 1,1,2-Trichloroethane	0.500	0.505	-1.0	100	0.00
43 TMP 2-Hexanone	2.500	2.614	-4.6	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110510.D
 Acq On : 05 Nov 2022 01:07 pm
 Operator : VM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:17 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.500	0.492	1.6	100	-0.01
45 TMP Tetrachloroethene	0.500	0.522	-4.4	100	0.00
46 TMP Dibromochloromethane	0.500	0.440	12.0	100	-0.01
47 TMP 1,2-Dibromoethane (EDB)	0.500	0.455	9.0	100	0.00
48 TMP Chlorobenzene	0.500	0.541	-8.2	100	0.00
49 TMP Ethylbenzene	0.500	0.480	4.0	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.500	0.509	-1.8	100	0.00
51 TMP m,p-Xylene	1.000	0.930	7.0	100	0.00
52 TMP o-Xylene	0.500	0.466	6.8	100	0.00
53 TMP Styrene	0.500	0.471	5.8	100	0.00
54 TMP Isopropylbenzene	0.500	0.457	8.6	100	0.00
55 TMP Bromoform	0.500	0.498	0.4	100	0.00
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	10.000	9.985	0.2	100	0.00
58 TMP n-Propylbenzene	0.500	0.509	-1.8	100	0.00
59 TMP Bromobenzene	0.500	0.481	3.8	100	0.00
60 TMP 1,3,5-Trimethylbenzene	0.500	0.480	4.0	101	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.500	0.471	5.8	100	0.00
62 TMP 1,2,3-Trichloropropane	0.500	0.600	-20.0	100	0.00
63 TMP 2-Chlorotoluene	0.500	0.538	-7.6	100	0.00
64 TMP 4-Chlorotoluene	0.500	0.539	-7.8	100	0.00
65 TMP tert-Butylbenzene	0.500	0.493	1.4	100	0.00
66 TMP 1,2,4-Trimethylbenzene	0.500	0.463	7.4	100	0.00
67 TMP sec-Butylbenzene	0.500	0.470	6.0	100	0.00
68 TMP p-Isopropyltoluene	0.500	0.461	7.8	100	0.00
69 TMP 1,3-Dichlorobenzene	0.500	0.506	-1.2	100	0.00
70 TMP 1,4-Dichlorobenzene	0.500	0.473	5.4	100	0.00
71 TMP 1,2-Dichlorobenzene	0.500	0.472	5.6	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	-1.000	0.546	0.0	0	0.00
73 TMP 1,2,4-Trichlorobenzene	0.500	0.456	8.8	100	0.00
74 TMP Hexachlorobutadiene	0.500	0.517	-3.4	100	0.00
75 TMP Naphthalene	0.500	0.509	-1.8	100	0.00
76 TMP 1,2,3-Trichlorobenzene	0.500	0.464	7.2	100	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110510.D
 Acq On : 05 Nov 2022 01:07 pm
 Operator : VM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:17 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I Fluorobenzene	1.000	1.000	0.0	100	0.00
2 TMP Ethanol	0.000	0.000#	0.0	0#	-0.02
3 S Dibromofluoromethane	0.321	0.324	-0.9	100	0.00
4 TMP Dichlorodifluoromethane	0.800	0.889	-11.1	100	0.00
5 TMP Chloromethane	0.488	0.000#	100.0#	0#	-1.26#
6 TMP Vinyl chloride	0.510	0.460	9.8	96	0.00
7 TMP Bromomethane	0.432	0.000#	100.0#	0#	-1.58#
8 TMP Chloroethane	0.229	0.231	-0.9	109	0.00
9 TMP Trichlorofluoromethane	1.123	1.148	-2.2	120	0.00
10 TMP 2-Propanol	0.000	0.000	0.0	0#	-0.02
11 TMP Acetone	0.029	0.038	-31.0#	100	0.00
12 TMP 1,1-Dichloroethene	0.285	0.269	5.6	100	0.00
13 TMP Hexane	0.323	0.000#	100.0#	0#	-3.16#
14 TMP Methylene chloride	0.289	0.000#	100.0#	0#	-2.68#
15 TMP t-Butyl alcohol (TBA)	0.024	0.000#	100.0#	0#	-2.82#
16 TMP Methyl t-butyl ether (MTBE)	0.666	0.641	3.8	101	0.00
17 TMP trans-1,2-Dichloroethene	0.318	0.297	6.6	97	0.00
18 TMP Diisopropyl ether (DIPE)	0.698	0.701	-0.4	100	0.00
19 TMP 1,1-Dichloroethane	0.463	0.443	4.3	100	0.00
20 TMP Ethyl t-butyl ether (ETBE)	0.258	0.290	-12.4	100	0.00
21 TMP 2,2-Dichloropropane	0.258	0.258	0.0	100	0.00
22 TMP cis-1,2-Dichloroethene	0.333	0.320	3.9	100	0.00
23 TMP Chloroform	0.539	0.586	-8.7	100	0.00
24 TMP 2-Butanone (MEK)	0.132	0.131	0.8	105	0.00
25 TMP t-Amyl methyl ether (TAME)	0.540	0.497#	8.0	100	0.00
26 TMP 1,2-Dichloroethane (EDC)	0.465	0.441	5.2	103	0.00
27 TMP 1,1,1-Trichloroethane	0.482	0.445	7.7	100	0.00
28 TMP 1,1-Dichloropropene	0.370	0.367	0.8	100	0.00
29 TMP Carbon tetrachloride	0.485	0.522	-7.6	100	0.00
30 S 1,2-Dichloroethane-d4	0.062	0.059	4.8	100	0.00
31 TMP Benzene	1.118	1.077	3.7	100	0.00
32 TMP Trichloroethene	0.367	0.343	6.5	100	0.00
33 TMP 1,2-Dichloropropane	0.241	0.223	7.5	100	0.00
34 TMP Bromodichloromethane	0.387	0.396	-2.3	100	0.00
35 S Toluene-d8	0.954	0.919	3.7	100	0.00
36 TMP Dibromomethane	0.219	0.253	-15.5	100	0.00
37 TMP 4-Methyl-2-pentanone	0.042	0.044	-4.8	104	0.00
38 TMP cis-1,3-Dichloropropene	0.360	0.357	0.8	100	0.00
39 I Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40 TMP Toluene	0.907	0.843	7.1	100	0.00
41 TMP trans-1,3-Dichloropropene	0.366	0.311	15.0	100	0.00
42 TMP 1,1,2-Trichloroethane	0.285	0.269	5.6	100	0.00
43 TMP 2-Hexanone	0.190	0.198	-4.2	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110510.D
 Acq On : 05 Nov 2022 01:07 pm
 Operator : VM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:17 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.457	0.450	1.5	100	-0.01
45 TMP Tetrachloroethene	0.460	0.426	7.4	100	0.00
46 TMP Dibromochloromethane	0.451	0.399	11.5	100	-0.01
47 TMP 1,2-Dibromoethane (EDB)	0.360	0.327	9.2	100	0.00
48 TMP Chlorobenzene	0.993	1.074	-8.2	100	0.00
49 TMP Ethylbenzene	1.557	1.496	3.9	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.387	0.394	-1.8	100	0.00
51 TMP m,p-Xylene	0.612	0.569	7.0	100	0.00
52 TMP o-Xylene	0.591	0.551	6.8	100	0.00
53 TMP Styrene	0.887	0.835	5.9	100	0.00
54 TMP Isopropylbenzene	1.435	1.313	8.5	100	0.00
55 TMP Bromoform	0.299	0.298	0.3	100	0.00
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	0.689	0.688	0.1	100	0.00
58 TMP n-Propylbenzene	2.700	2.749	-1.8	100	0.00
59 TMP Bromobenzene	0.837	0.806	3.7	100	0.00
60 TMP 1,3,5-Trimethylbenzene	1.968	1.888	4.1	101	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.626	0.662	-5.8	100	0.00
62 TMP 1,2,3-Trichloropropane	0.486	0.584	-20.2#	100	0.00
63 TMP 2-Chlorotoluene	1.617	1.740	-7.6	100	0.00
64 TMP 4-Chlorotoluene	1.912	2.062	-7.8	100	0.00
65 TMP tert-Butylbenzene	1.952	1.926	1.3	100	0.00
66 TMP 1,2,4-Trimethylbenzene	1.996	1.849	7.4	100	0.00
67 TMP sec-Butylbenzene	2.624	2.466	6.0	100	0.00
68 TMP p-Isopropyltoluene	2.387	2.201	7.8	100	0.00
69 TMP 1,3-Dichlorobenzene	1.530	1.548	-1.2	100	0.00
70 TMP 1,4-Dichlorobenzene	1.564	1.480	5.4	100	0.00
71 TMP 1,2-Dichlorobenzene	1.455	1.372	5.7	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	0.108	0.000#	100.0#	0#	0.00
73 TMP 1,2,4-Trichlorobenzene	0.971	0.885	8.9	100	0.00
74 TMP Hexachlorobutadiene	0.600	0.621	-3.5	100	0.00
75 TMP Naphthalene	1.833	1.592	13.1	100	0.00
76 TMP 1,2,3-Trichlorobenzene	0.846	0.785	7.2	100	0.00

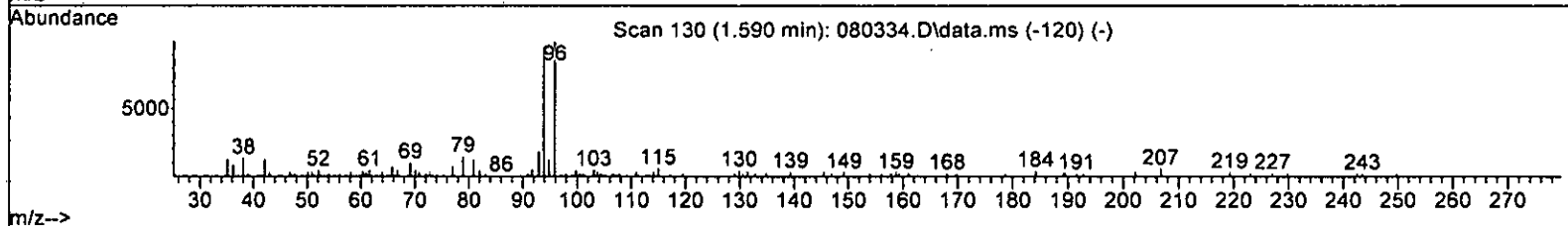
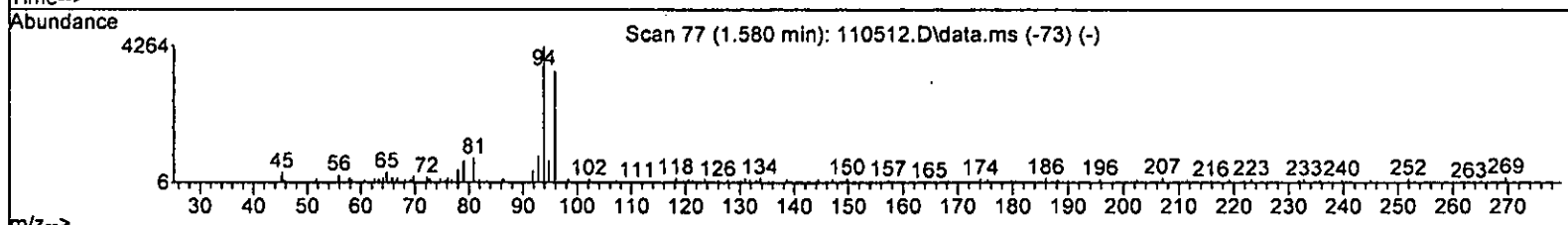
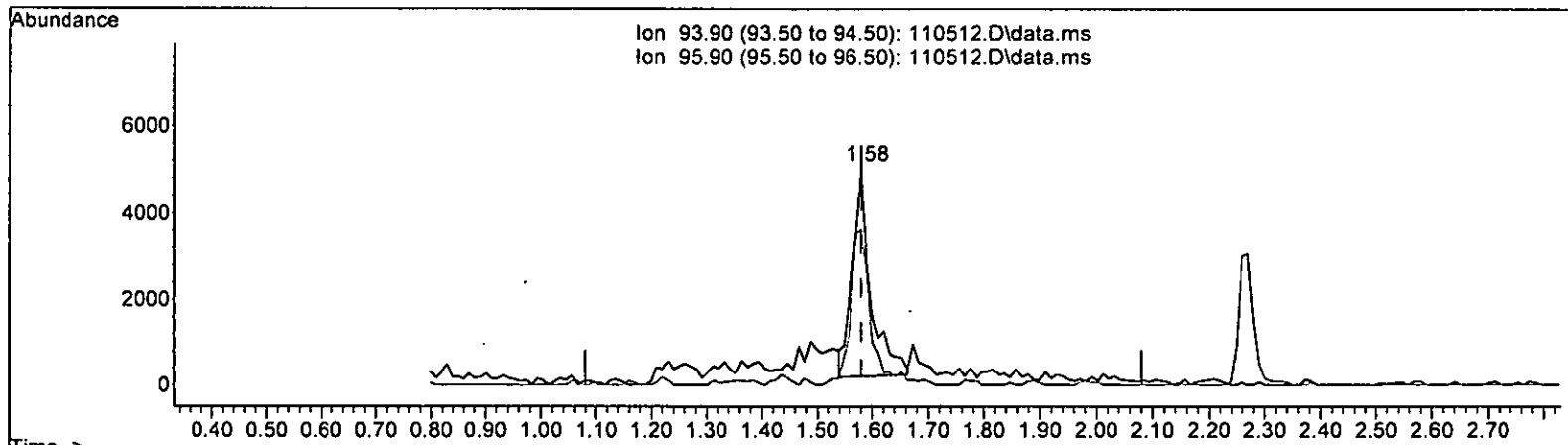
(#) = Out of Range

SPCC's out = 8 CCC's out = 0

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110512.D
 Acq On : 05 Nov 2022 01:53 pm
 Operator : VM
 Sample : 2 ppb 8260 ICAL 67-177L
 Misc : soil/water
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:21 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



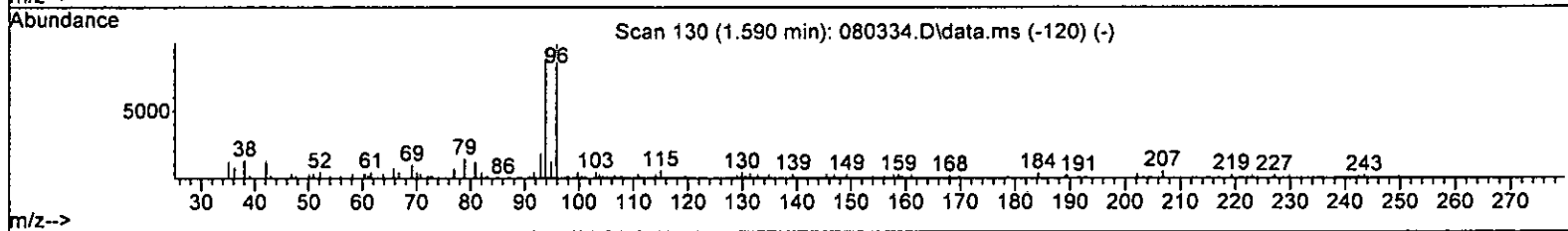
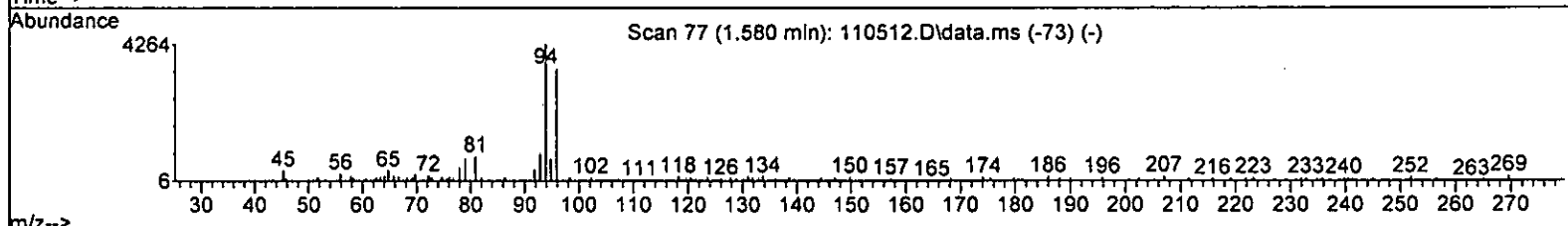
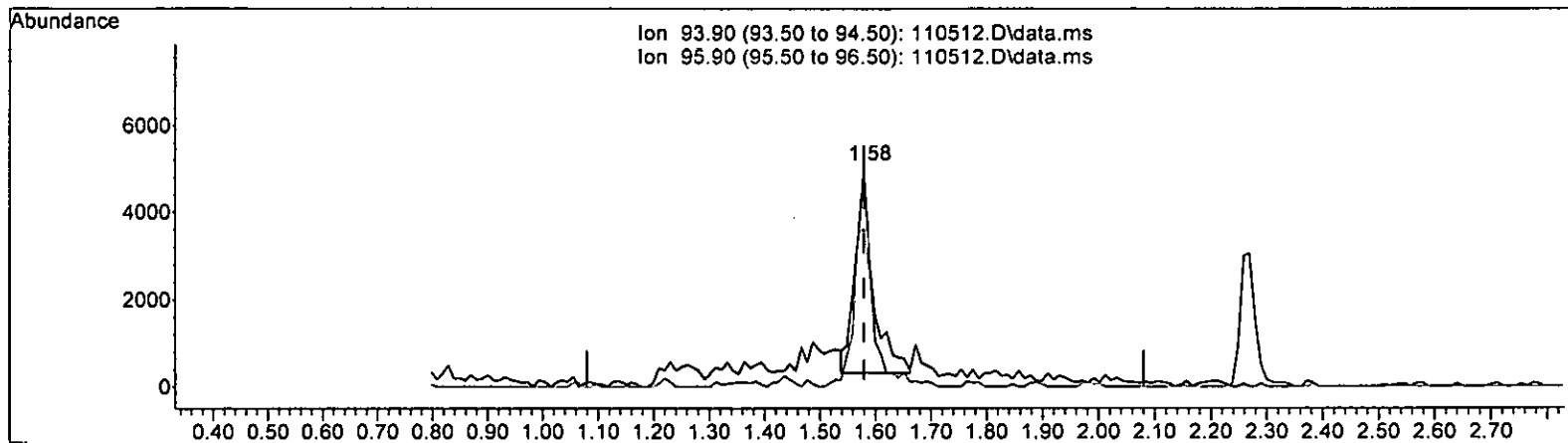
TIC: 110512.D\data.ms

(7) Bromomethane (TMP)		
Time	Response	Concentration
1.580min (-0.000)	11183	2.389 ppb
Ion	Exp%	Act%
93.90	100.00	100.00
95.90	93.50	74.28
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110512.D
 Acq On : 05 Nov 2022 01:53 pm
 Operator : VM
 Sample : 2 ppb 8260 ICAL 67-177L
 Misc : soil/water
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:21 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110512.D\data.ms

(7) Bromomethane (TMP)

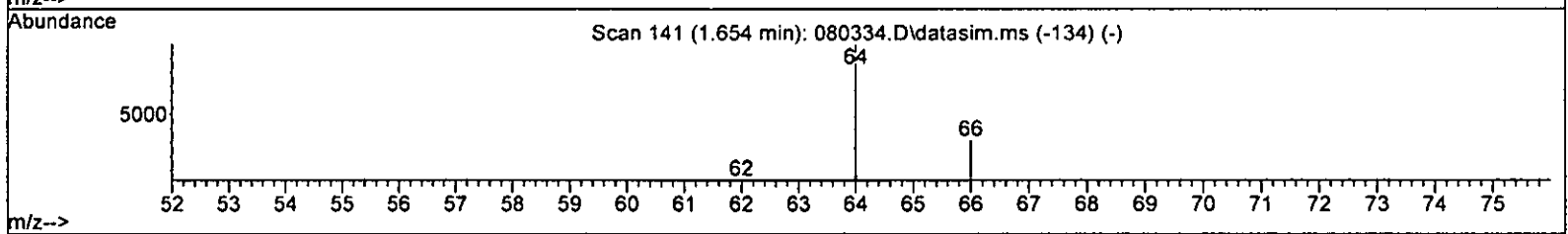
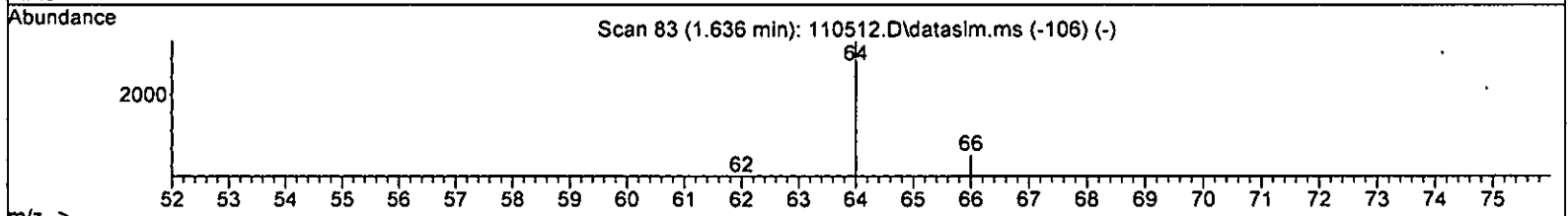
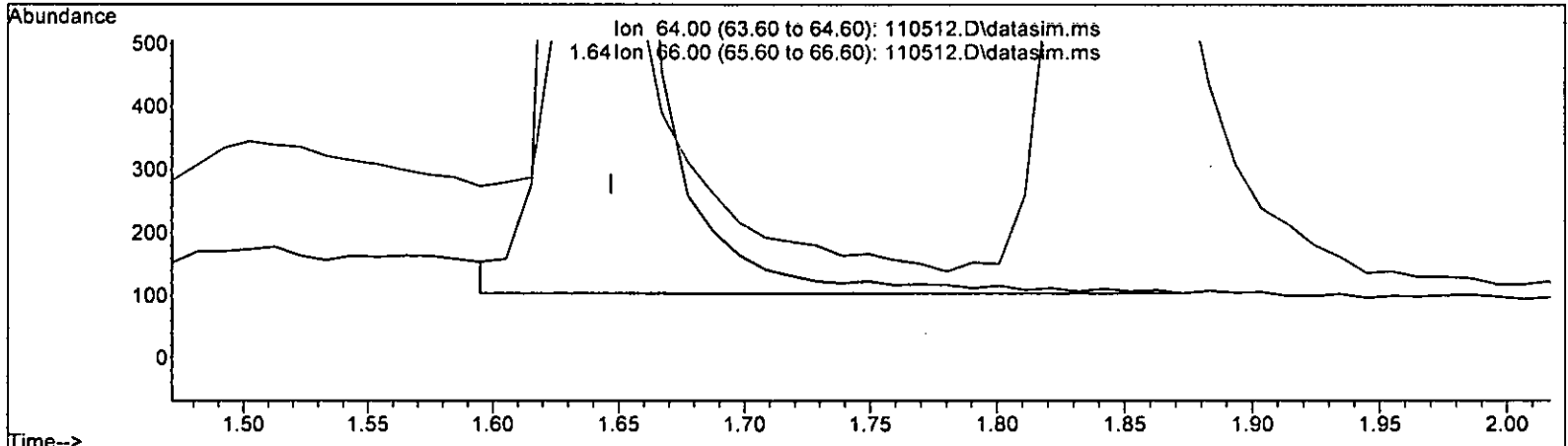
1.580min (-0.000) 2.230 ppb m

response	10442	
Ion	Exp%	Act%
93.90	100.00	100.00
95.90	93.50	71.06
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110512.D
 Acq On : 05 Nov 2022 01:53 pm
 Operator : VM
 Sample : 2 ppb 8260 ICAL 67-177L
 Misc : soil/water
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:21 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



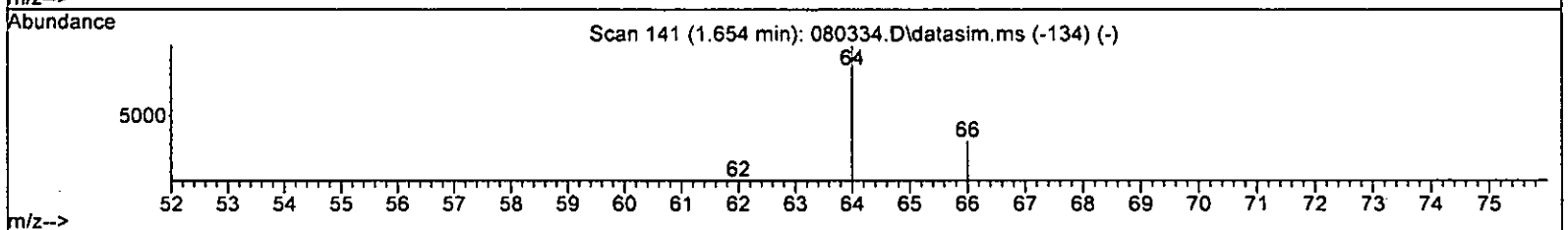
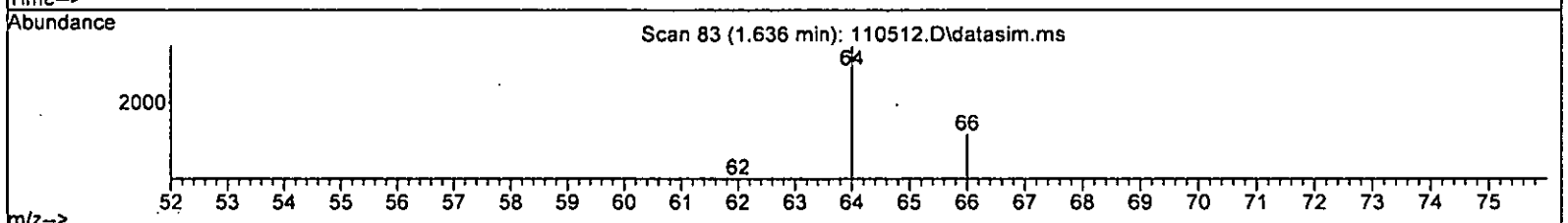
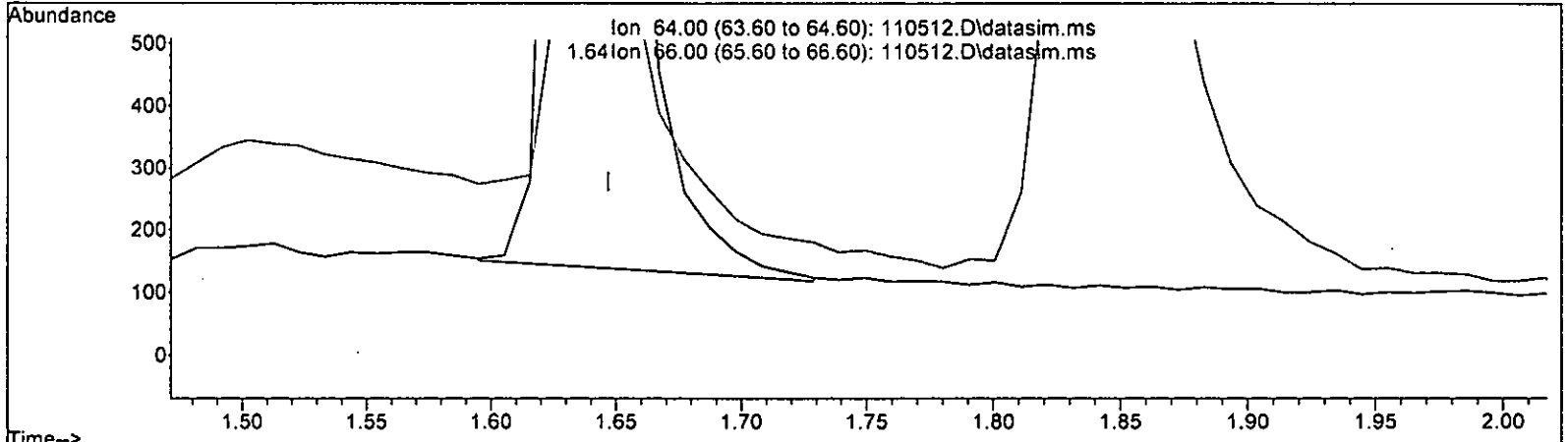
TIC: 110512.D\data.ms

(8) Chloroethane (TMP)		
1.636min (-0.011)	2.245 ppb	
response	5563	
Ion	Exp%	Act%
64.00	100.00	100.00
66.00	30.90	31.13
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110512.D
 Acq On : 05 Nov 2022 01:53 pm
 Operator : VM
 Sample : 2 ppb 8260 ICAL 67-177L
 Misc : soil/water
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:21 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 Qlast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110512.D\data.ms

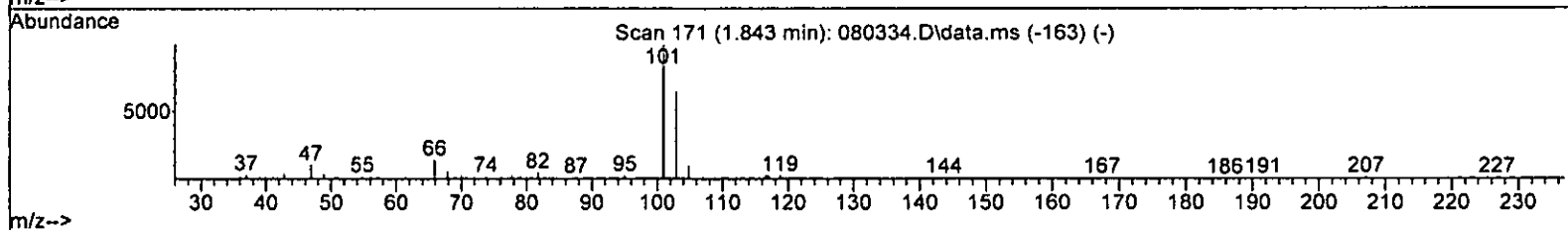
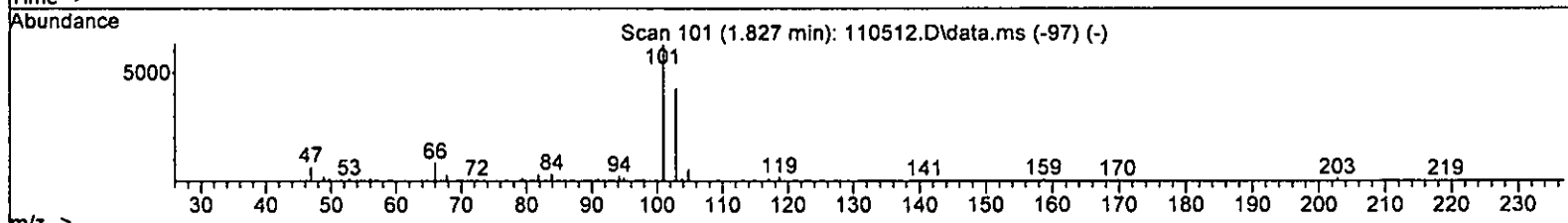
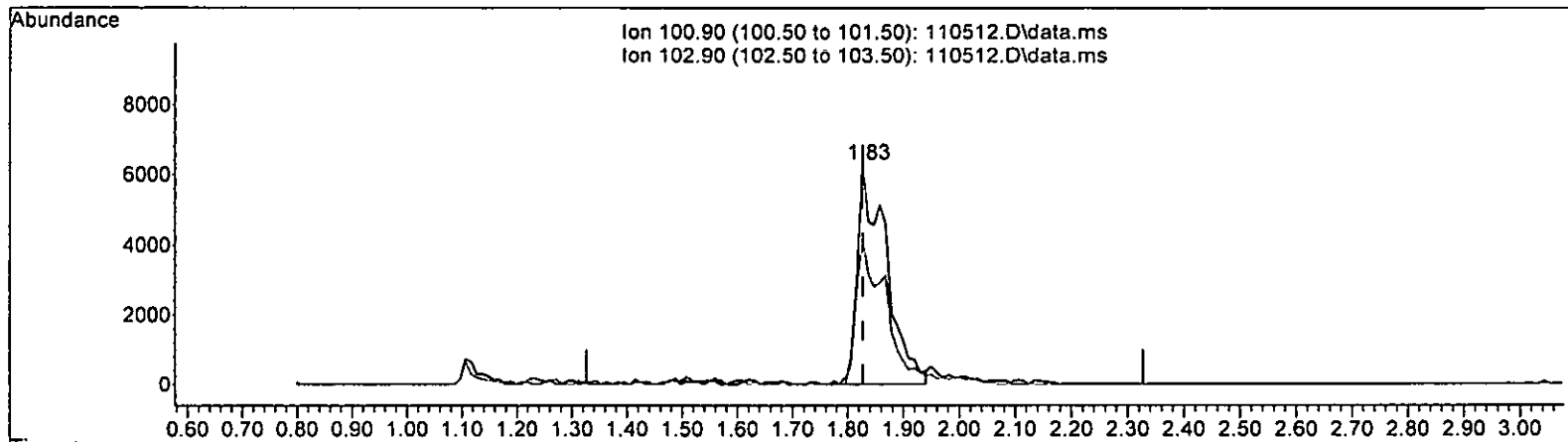
(8) Chloroethane (TMP)
 1.636min (-0.011) 2.115 ppb m

response	5241
Ion	Exp% Act%
64.00	100.00 100.00
66.00	30.90 38.46
0.00	0.00 0.00
0.00	0.00 0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110512.D
 Acq On : 05 Nov 2022 01:53 pm
 Operator : VM
 Sample : 2 ppb 8260 ICAL 67-177L
 Misc : soil/water
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:21 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110512.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.827min (-0.000) 1.844 ppb

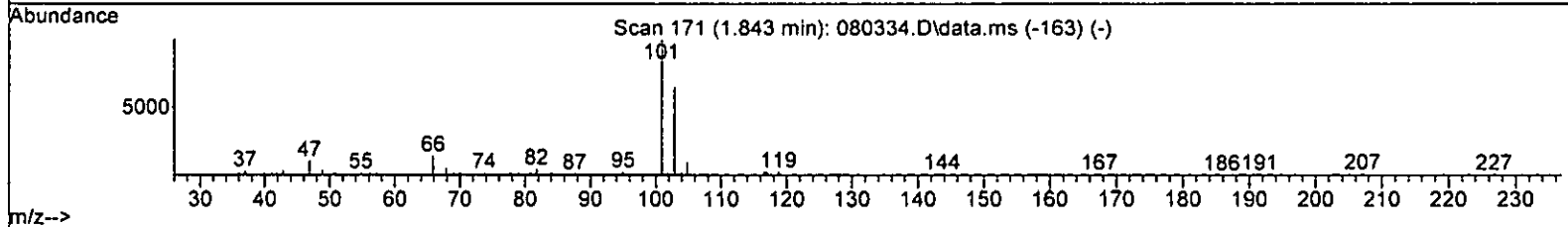
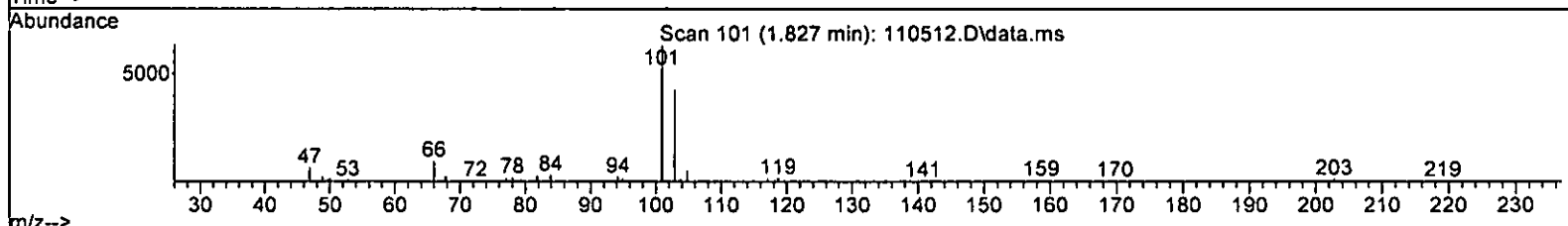
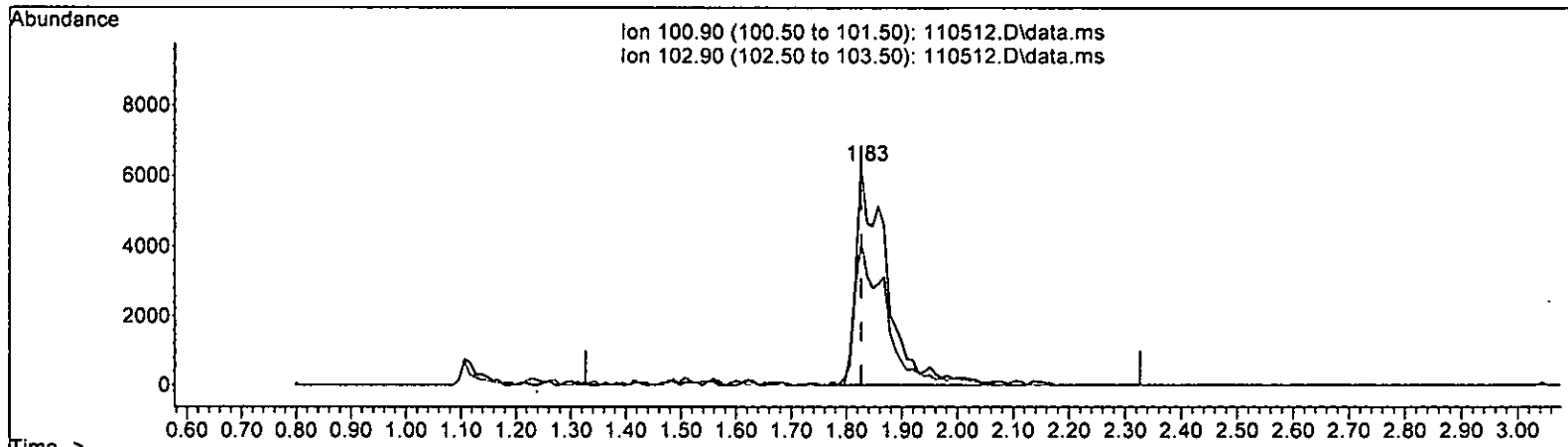
response 22448

Ion	Exp%	Act%
100.90	100.00	100.00
102.90	65.30	67.21
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110512.D
 Acq On : 05 Nov 2022 01:53 pm
 Operator : VM
 Sample : 2 ppb 8260 ICAL 67-177L
 Misc : soil/water
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:21 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110512.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.827min (-0.000) 2.100 ppb m

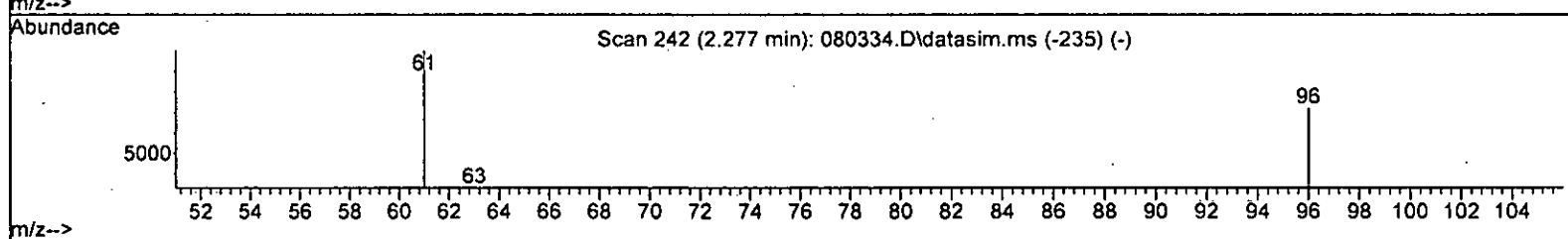
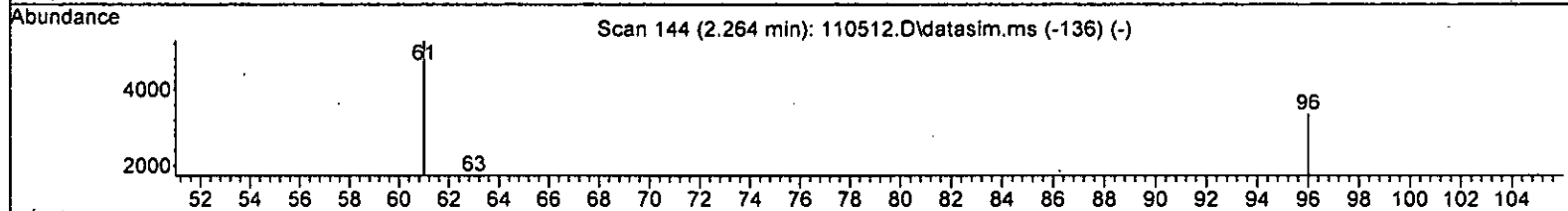
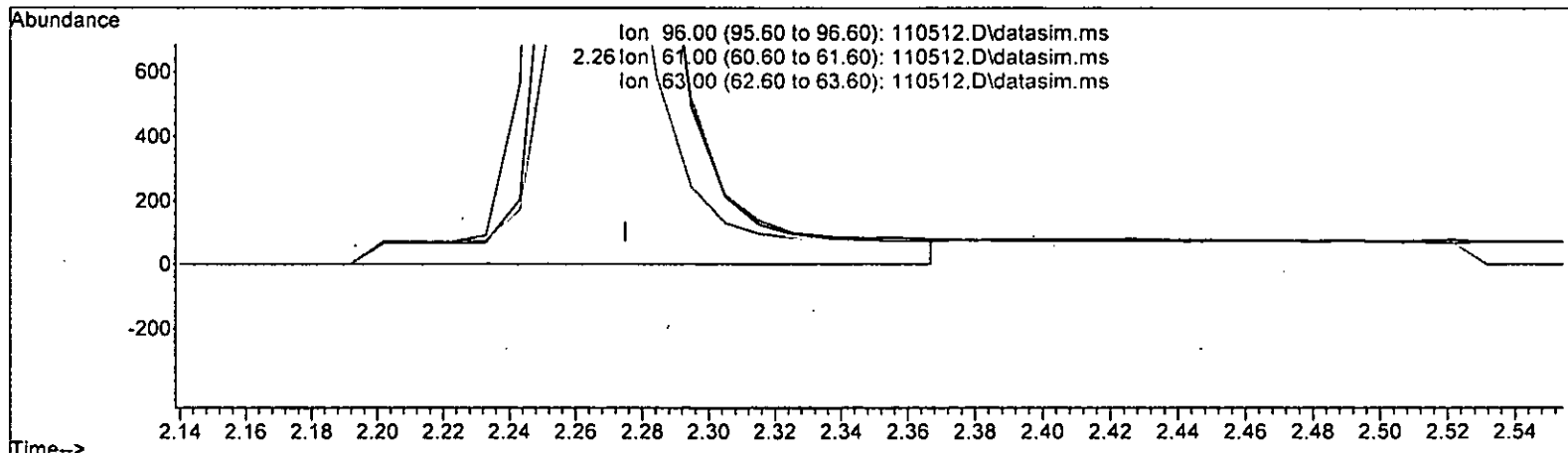
response 25555

Ion	Exp%	Act%
100.90	100.00	100.00
102.90	65.30	67.21
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110512.D
 Acq On : 05 Nov 2022 01:53 pm
 Operator : VM
 Sample : 2 ppb 8260 ICAL 67-177L
 Misc : soil/water
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:21 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110512.D\data.ms

(12) 1,1-Dichloroethene (TMP)

2.264min (-0.011) 2.133 ppb

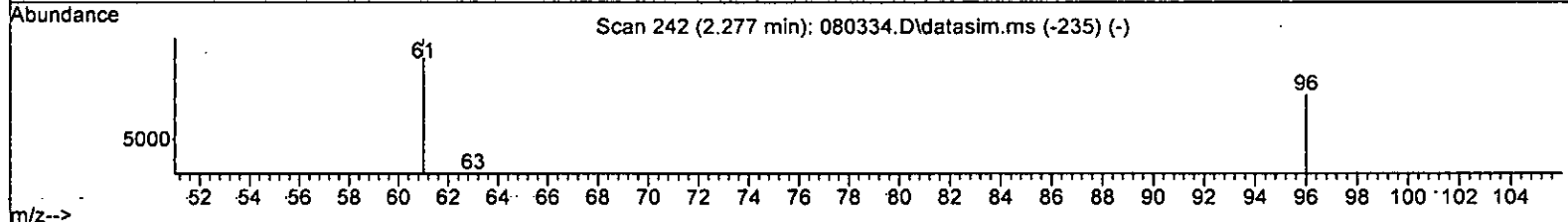
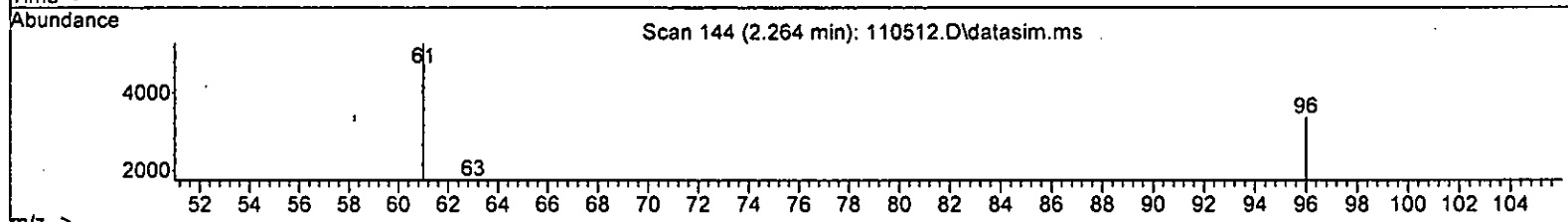
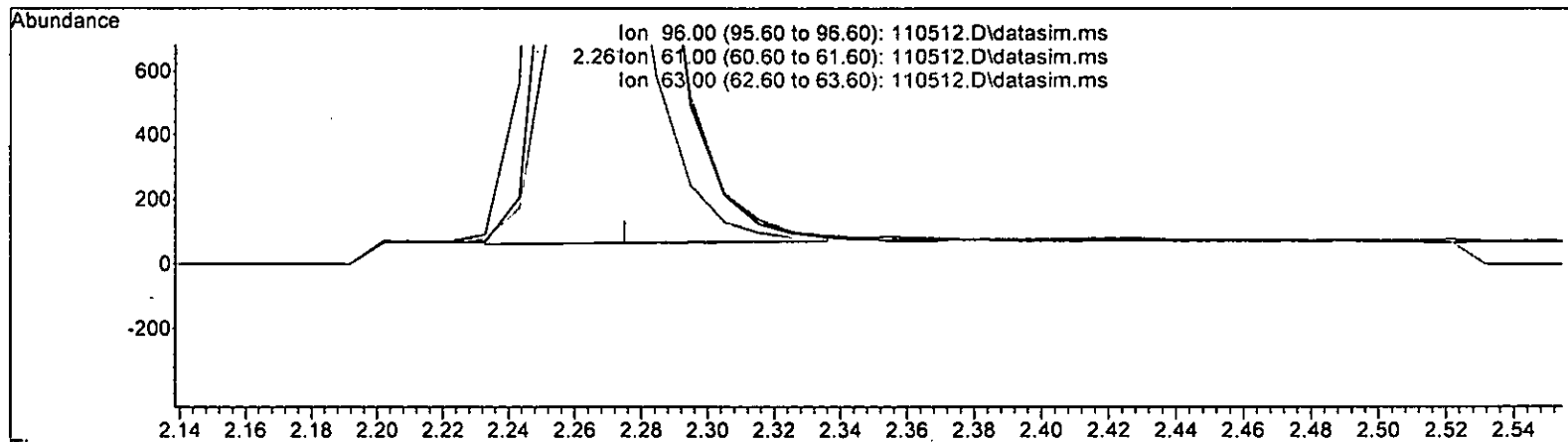
response 6584

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	120.90	157.46#
63.00	43.90	52.03
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110512.D
 Acq On : 05 Nov 2022 01:53 pm
 Operator : VM
 Sample : 2 ppb 8260 ICAL 67-177L
 Misc : soil/water
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:21 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110512.D\data.ms

(12) 1,1-Dichloroethene (TMP)
 2.264min (-0.011) 1.903 ppb m
 response 5876

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	120.90	157.46#
63.00	43.90	52.03
0.00	0.00	0.00

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110512.D
 Acq On : 05 Nov 2022 01:53 pm
 Operator : VM
 Sample : 2 ppb 8260 ICAL 67-177L
 Misc : soil/water
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:21 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	4.73	96	108368	10.000	ppb	-0.01
39) Chlorobenzene-d5	7.40	117	87014	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	51026	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.17	113	34848	10.028	ppb	0.00
Spiked Amount	10.000	Range	50 - 150	Recovery	=	100.30%
30) 1,2-Dichloroethane-d4	4.45	102	6678	9.916	ppb	0.00
Spiked Amount	10.000	Range	84 - 120	Recovery	=	99.20%
35) Toluene-d8	6.10	98	103305	9.995	ppb	0.00
Spiked Amount	10.000	Range	73 - 128	Recovery	=	100.00%
57) 4-Bromofluorobenzene	8.51	95	34581	9.836	ppb	0.00
Spiked Amount	10.000	Range	57 - 146	Recovery	=	98.40%
Target Compounds						
2) Ethanol	2.32	45	504	No Calib		Qvalue
4) Dichlorodifluoromethane	1.11	85	16355	1.886	ppb	97
5) Chloromethane	1.25	50	10419	1.970	ppb	78
6] Vinyl chloride	1.33	62	11090	2.008	ppb	91
7) Bromomethane	1.58	94	10442m	2.230	ppb	
8] Chloroethane	1.64	64	5241m	2.115	ppb	
9) Trichlorofluoromethane	1.83	101	25555m	2.100	ppb	
10) 2-Propanol	2.32	45	504	No Calib	#	
11) Acetone	2.32	58	2969	9.642	ppb	87
12] 1,1-Dichloroethene	2.26	96	5876m	1.903	ppb	
13) Hexane	3.16	57	7327	2.091	ppb	88
14) Methylene chloride	0.00		0	N.D.	d	
15) t-Butyl alcohol (TBA)	2.81	59	2736	10.519	ppb	99
16] Methyl t-butyl ether (...)	2.93	73	14632	2.028	ppb	100
17] trans-1,2-Dichloroethene	2.91	96	7244	2.099	ppb	80
18) Diisopropyl ether (DIPE)	3.35	45	14439	1.910	ppb	96
19] 1,1-Dichloroethane	3.27	63	10079	2.007	ppb	99
20) Ethyl t-butyl ether (E...)	3.66	87	5360	1.920	ppb	92
21) 2,2-Dichloropropane	3.76	77	5175	1.970	ppb	100
22] cis-1,2-Dichloroethene	3.77	96	7011	1.942	ppb	98
23) Chloroform	4.04	83	11605	1.988	ppb	97
24) 2-Butanone (MEK)	3.79	43	12571	9.053	ppb	87
25) t-Amyl methyl ether (T...)	4.61	73	10902	1.862	ppb	92
26] 1,2-Dichloroethane (EDC)	4.52	62	9366	2.093	ppb	93
27] 1,1,1-Trichloroethane	4.19	97	9931	1.902	ppb	94
28) 1,1-Dichloropropene	4.33	75	8339	2.117	ppb	95
29) Carbon tetrachloride	4.33	117	10050	1.912	ppb	97
31] Benzene	4.50	78	23794	1.963	ppb	99
32] Trichloroethene	5.05	95	7906	1.990	ppb	79
33) 1,2-Dichloropropane	5.24	63	5035	1.928	ppb	96
34) Bromodichloromethane	5.48	83	8331	1.988	ppb	99
36) Dibromomethane	5.35	93	4723	1.986	ppb	87

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110512.D
 Acq On : 05 Nov 2022 01:53 pm
 Operator : VM
 Sample : 2 ppb 8260 ICAL 67-177L
 Misc : soil/water
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS13

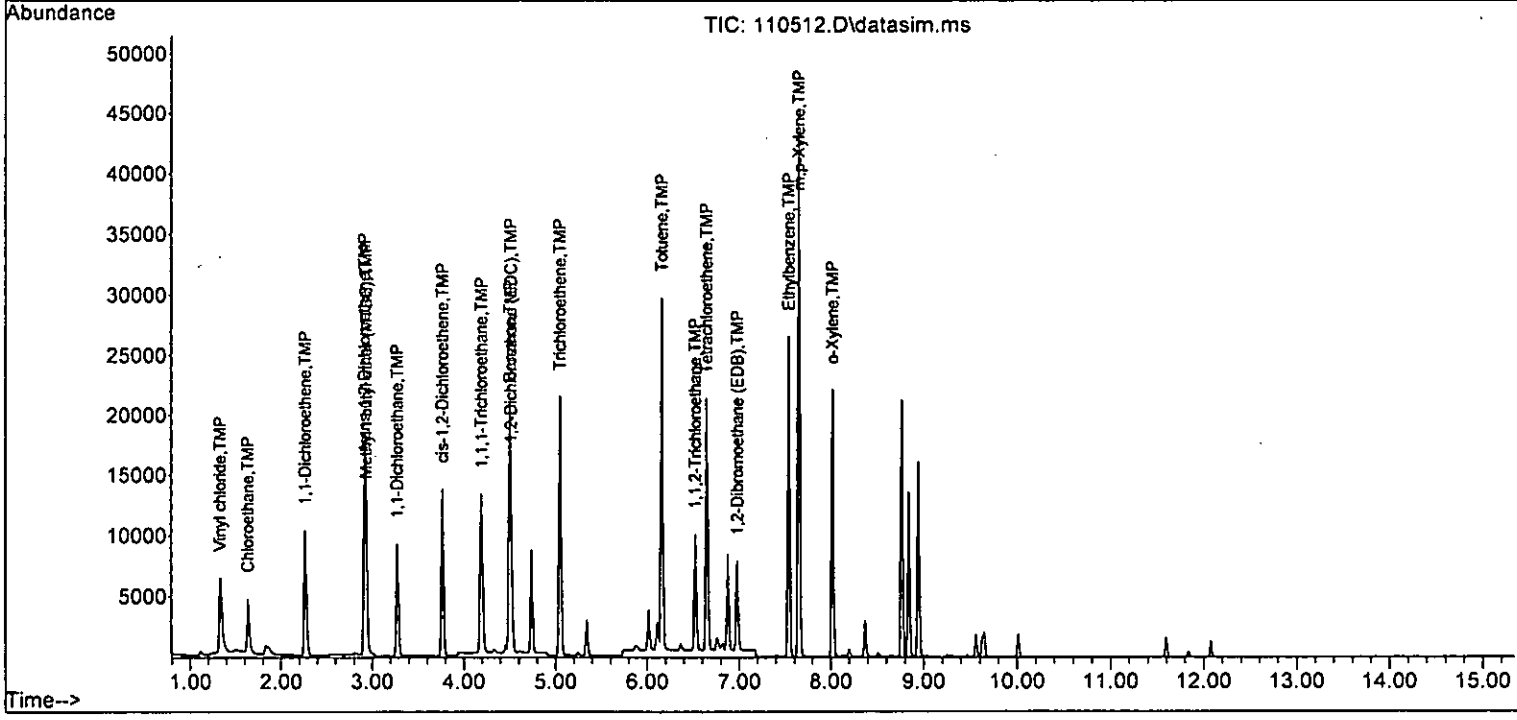
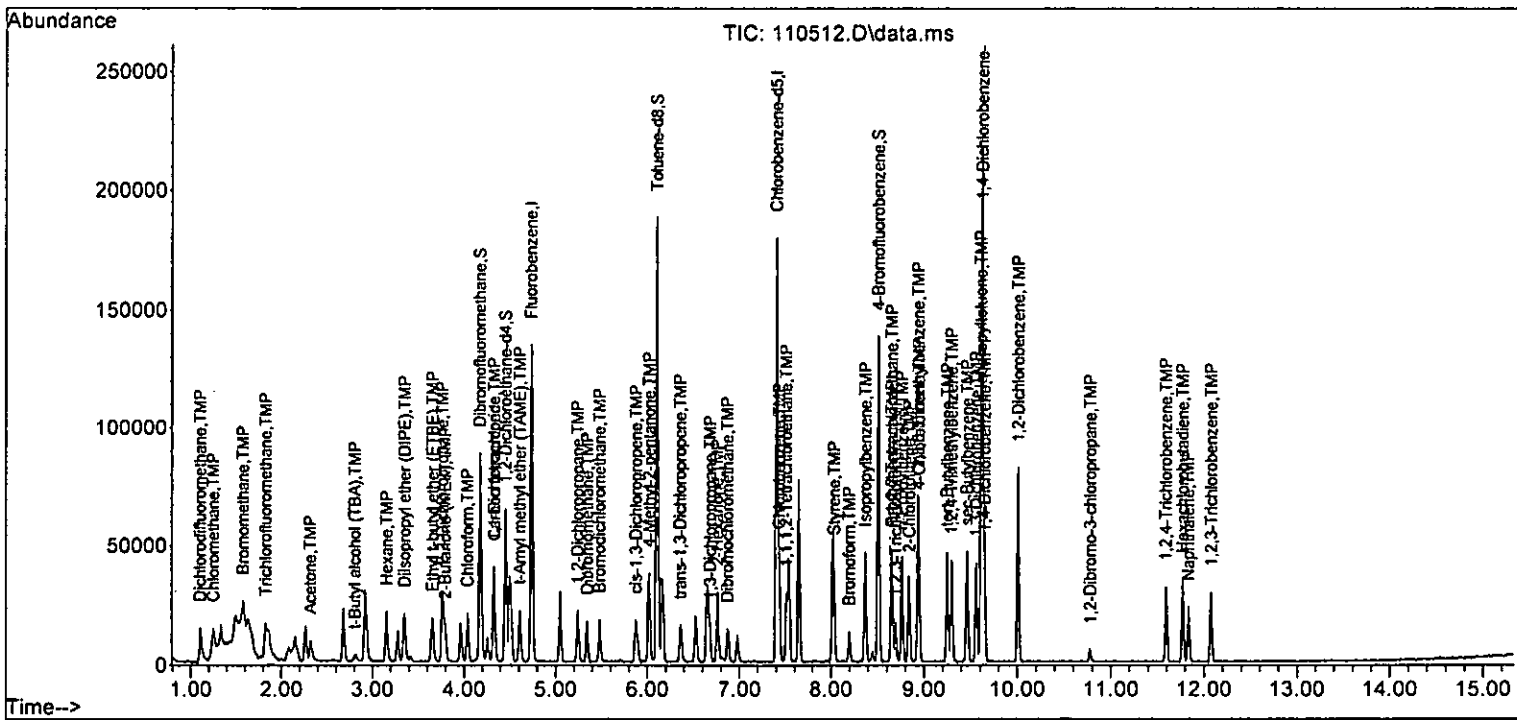
Quant Time: Nov 07 15:17:21 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	6.02	85	4592	9.988	ppb	92
38) cis-1,3-Dichloropropene	5.88	75	7183	1.841	ppb	90
40] Toluene	6.16	92	14643	2.086	ppb	98
41) trans-1,3-Dichloropropene	6.36	75	5512	1.821	ppb	86
42] 1,1,2-Trichloroethane	6.53	83	4791	2.114	ppb	91
43) 2-Hexanone	6.76	43	15983	9.690	ppb	97
44) 1,3-Dichloropropane	6.68	76	8135	2.045	ppb	95
45] Tetrachloroethene	6.65	164	7537	2.182	ppb	95
46) Dibromochloromethane	6.87	129	7274	1.932	ppb	96
47] 1,2-Dibromoethane (EDB)	6.98	107	5902	1.887	ppb	97
48) Chlorobenzene	7.43	112	17347	2.008	ppb	98
49] Ethylbenzene	7.54	91	26561	1.961	ppb	96
50] 1,1,1,2-Tetrachloroethane	7.51	131	6481	1.927	ppb	93
51] m,p-Xylene	7.65	106	20520	3.855	ppb	90
52] o-Xylene	8.02	106	9979	1.941	ppb	89
53) Styrene	8.03	104	15049	1.949	ppb	98
54) Isopropylbenzene	8.37	105	24959	1.998	ppb	88
55) Bromoform	8.20	173	4920	1.891	ppb	88
58) n-Propylbenzene	8.77	91	28670	2.081	ppb	90
59) Bromobenzene	8.65	156	8627	2.019	ppb	84
60] 1,3,5-Trimethylbenzene	8.94	105	19717	1.964	ppb	95
61) 1,1,2,2-Tetrachloroethane	8.65	83	6459	2.086	ppb	98
62) 1,2,3-Trichloropropane	8.70	75	5435	2.191	ppb	97
63) 2-Chlorotoluene	8.84	91	17398	2.109	ppb	89
64) 4-Chlorotoluene	8.95	91	19107	1.958	ppb	93
65) tert-Butylbenzene	9.25	119	19084	1.916	ppb	94
66) 1,2,4-Trimethylbenzene	9.30	105	19294	1.894	ppb	97
67) sec-Butylbenzene	9.46	105	26015	1.943	ppb	98
68) p-Isopropyltoluene	9.61	119	23218	1.906	ppb	97
69) 1,3-Dichlorobenzene	9.56	146	15492	1.985	ppb	96
70] 1,4-Dichlorobenzene	9.65	146	16442	2.060	ppb	95
71) 1,2-Dichlorobenzene	10.01	146	14649	1.974	ppb	95
72) 1,2-Dibromo-3-chloropr...	10.78	75	1202	2.183	ppb	84
73) 1,2,4-Trichlorobenzene	11.59	180	9042	1.826	ppb	87
74) Hexachlorobutadiene	11.77	225	6295	2.057	ppb	98
75) Naphthalene	11.83	128	16273	1.800	ppb	96
76) 1,2,3-Trichlorobenzene	12.08	180	8266	1.915	ppb	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110512.D
 Acq On : 05 Nov 2022 01:53 pm
 Operator : VM
 Sample : 2 ppb 8260 ICAL 67-177L
 Misc : soil/water
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:21 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110512.D
 Acq On : 05 Nov 2022 01:53 pm
 Operator : VM
 Sample : 2 ppb 8260 ICAL 67-177L
 Misc : soil/water
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 InstName : GCMS13

Quant Time: Nov 07 15:17:21 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I Fluorobenzene	10.000	10.000	0.0	100	-0.01
2 TMP Ethanol	-1.000	0.000	0.0	0	-0.01
3 S Dibromofluoromethane	10.000	10.028	-0.3	100	0.00
4 TMP Dichlorodifluoromethane	2.000	1.886	5.7	100	-0.01
5 TMP Chloromethane	2.000	1.970	1.5	100	-0.01
6 TMP Vinyl chloride	2.000	2.008	-0.4	106	-0.01
7 TMP Bromomethane	2.000	2.230	-11.5	134	0.00
8 TMP Chloroethane	2.000	2.115	-5.8	103	-0.01
9 TMP Trichlorofluoromethane	2.000	2.100	-5.0	100	0.00
10 TMP 2-Propanol	-1.000	0.000	0.0	0	-0.01
11 TMP Acetone	10.000	9.642	3.6	100	-0.01
12 TMP 1,1-Dichloroethene	2.000	1.903	4.8	100	-0.01
13 TMP Hexane	2.000	2.091	-4.6	100	0.00
14 TMP Methylene chloride	-1.000	0.000	0.0	0	-2.68#
15 TMP t-Butyl alcohol (TBA)	10.000	10.519	-5.2	100	-0.01
16 TMP Methyl t-butyl ether (MTBE)	2.000	2.028	-1.4	103	0.00
17 TMP trans-1,2-Dichloroethene	2.000	2.099	-5.0	109	-0.01
18 TMP Diisopropyl ether (DIPE)	2.000	1.910	4.5	100	0.00
19 TMP 1,1-Dichloroethane	2.000	2.007	-0.4	100	0.00
20 TMP Ethyl t-butyl ether (ETBE)	2.000	1.920	4.0	100	0.00
21 TMP 2,2-Dichloropropane	2.000	1.970	1.5	100	-0.01
22 TMP cis-1,2-Dichloroethene	2.000	1.942	2.9	100	0.00
23 TMP Chloroform	2.000	1.988	0.6	100	0.00
24 TMP 2-Butanone (MEK)	10.000	9.053	9.5	100	0.00
25 TMP t-Amyl methyl ether (TAME)	2.000	1.862	6.9	100	0.00
26 TMP 1,2-Dichloroethane (EDC)	2.000	2.093	-4.6	100	-0.01
27 TMP 1,1,1-Trichloroethane	2.000	1.902	4.9	100	0.00
28 TMP 1,1-Dichloropropene	2.000	2.117	-5.8	100	0.00
29 TMP Carbon tetrachloride	2.000	1.912	4.4	100	0.00
30 S 1,2-Dichloroethane-d4	10.000	9.916	0.8	100	0.00
31 TMP Benzene	2.000	1.963	1.8	100	0.00
32 TMP Trichloroethene	2.000	1.990	0.5	100	0.00
33 TMP 1,2-Dichloropropane	2.000	1.928	3.6	100	0.00
34 TMP Bromodichloromethane	2.000	1.988	0.6	100	0.00
35 S Toluene-d8	10.000	9.995	0.1	100	0.00
36 TMP Dibromomethane	2.000	1.986	0.7	100	0.00
37 TMP 4-Methyl-2-pentanone	10.000	9.988	0.1	100	0.00
38 TMP cis-1,3-Dichloropropene	2.000	1.841	8.0	100	0.00
39 I Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40 TMP Toluene	2.000	2.086	-4.3	100	0.00
41 TMP trans-1,3-Dichloropropene	2.000	1.821	9.0	100	0.00
42 TMP 1,1,2-Trichloroethane	2.000	2.114	-5.7	100	0.00
43 TMP 2-Hexanone	10.000	9.690	3.1	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110512.D
 Acq On : 05 Nov 2022 01:53 pm
 Operator : VM
 Sample : 2 ppb 8260 ICAL 67-177L
 Misc : soil/water
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:21 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	2.000	2.045	-2.2	100	0.00
45 TMP Tetrachloroethene	2.000	2.182	-9.1	100	0.00
46 TMP Dibromochloromethane	2.000	1.932	3.4	100	-0.01
47 TMP 1,2-Dibromoethane (EDB)	2.000	1.887	5.6	100	0.00
48 TMP Chlorobenzene	2.000	2.008	-0.4	100	0.00
49 TMP Ethylbenzene	2.000	1.961	1.9	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	2.000	1.927	3.6	100	0.00
51 TMP m,p-Xylene	4.000	3.855	3.6	100	0.00
52 TMP o-Xylene	2.000	1.941	2.9	100	0.00
53 TMP Styrene	2.000	1.949	2.5	100	0.00
54 TMP Isopropylbenzene	2.000	1.998	0.1	100	0.00
55 TMP Bromoform	2.000	1.891	5.4	100	0.00
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	10.000	9.836	1.6	100	0.00
58 TMP n-Propylbenzene	2.000	2.081	-4.0	100	0.00
59 TMP Bromobenzene	2.000	2.019	-1.0	100	0.00
60 TMP 1,3,5-Trimethylbenzene	2.000	1.964	1.8	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	2.000	2.086	-4.3	100	0.00
62 TMP 1,2,3-Trichloropropane	2.000	2.191	-9.5	100	0.00
63 TMP 2-Chlorotoluene	2.000	2.109	-5.4	100	0.00
64 TMP 4-Chlorotoluene	2.000	1.958	2.1	100	0.00
65 TMP tert-Butylbenzene	2.000	1.916	4.2	100	0.00
66 TMP 1,2,4-Trimethylbenzene	2.000	1.894	5.3	100	0.00
67 TMP sec-Butylbenzene	2.000	1.943	2.8	100	0.00
68 TMP p-Isopropyltoluene	2.000	1.906	4.7	100	0.00
69 TMP 1,3-Dichlorobenzene	2.000	1.985	0.7	100	0.00
70 TMP 1,4-Dichlorobenzene	2.000	2.060	-3.0	100	0.00
71 TMP 1,2-Dichlorobenzene	2.000	1.974	1.3	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	2.000	2.183	-9.1	100	0.00
73 TMP 1,2,4-Trichlorobenzene	2.000	1.826	8.7	100	0.00
74 TMP Hexachlorobutadiene	2.000	2.057	-2.8	100	0.00
75 TMP Naphthalene	2.000	1.800	10.0	100	0.00
76 TMP 1,2,3-Trichlorobenzene	2.000	1.915	4.2	100	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110512.D
 Acq On : 05 Nov 2022 01:53 pm
 Operator : VM
 Sample : 2 ppb 8260 ICAL 67-177L
 Misc : soil/water
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:21 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	1.000	1.000	0.0	100	-0.01
2 TMP	Ethanol	0.000	0.000#	0.0	0#	-0.01
3 S	Dibromofluoromethane	0.321	0.322	-0.3	100	0.00
4 TMP	Dichlorodifluoromethane	0.800	0.755	5.6	100	-0.01
5 TMP	Chloromethane	0.488	0.481	1.4	100	-0.01
6 TMP	Vinyl chloride	0.510	0.512	-0.4	106	-0.01
7 TMP	Bromomethane	0.432	0.482	-11.6	134	0.00
8 TMP	Chloroethane	0.229	0.242	-5.7	103	-0.01
9 TMP	Trichlorofluoromethane	1.123	1.179	-5.0	100	0.00
10 TMP	2-Propanol	0.000	0.000	0.0	0#	-0.01
11 TMP	Acetone	0.029	0.027	6.9	100	-0.01
12 TMP	1,1-Dichloroethene	0.285	0.271	4.9	100	-0.01
13 TMP	Hexane	0.323	0.338	-4.6	100	0.00
14 TMP	Methylene chloride	0.289	0.000#	100.0#	0#	-2.68#
15 TMP	t-Butyl alcohol (TBA)	0.024	0.025#	-4.2	100	-0.01
16 TMP	Methyl t-butyl ether (MTBE)	0.666	0.675	-1.4	103	0.00
17 TMP	trans-1,2-Dichloroethene	0.318	0.334	-5.0	109	-0.01
18 TMP	Diisopropyl ether (DIPE)	0.698	0.666	4.6	100	0.00
19 TMP	1,1-Dichloroethane	0.463	0.465	-0.4	100	0.00
20 TMP	Ethyl t-butyl ether (ETBE)	0.258	0.247	4.3	100	0.00
21 TMP	2,2-Dichloropropane	0.258	0.239	7.4	100	-0.01
22 TMP	cis-1,2-Dichloroethene	0.333	0.323	3.0	100	0.00
23 TMP	Chloroform	0.539	0.535	0.7	100	0.00
24 TMP	2-Butanone (MEK)	0.132	0.116	12.1	100	0.00
25 TMP	t-Amyl methyl ether (TAME)	0.540	0.503	6.9	100	0.00
26 TMP	1,2-Dichloroethane (EDC)	0.465	0.432	7.1	100	-0.01
27 TMP	1,1,1-Trichloroethane	0.482	0.458	5.0	100	0.00
28 TMP	1,1-Dichloropropene	0.370	0.385	-4.1	100	0.00
29 TMP	Carbon tetrachloride	0.485	0.464	4.3	100	0.00
30 S	1,2-Dichloroethane-d4	0.062	0.062	0.0	100	0.00
31 TMP	Benzene	1.118	1.098	1.8	100	0.00
32 TMP	Trichloroethene	0.367	0.365	0.5	100	0.00
33 TMP	1,2-Dichloropropane	0.241	0.232	3.7	100	0.00
34 TMP	Bromodichloromethane	0.387	0.384	0.8	100	0.00
35 S	Toluene-d8	0.954	0.953	0.1	100	0.00
36 TMP	Dibromomethane	0.219	0.218	0.5	100	0.00
37 TMP	4-Methyl-2-pentanone	0.042	0.042	0.0	100	0.00
38 TMP	cis-1,3-Dichloropropene	0.360	0.331	8.1	100	0.00
39 I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40 TMP	Toluene	0.907	0.841	7.3	100	0.00
41 TMP	trans-1,3-Dichloropropene	0.366	0.317	13.4	100	0.00
42 TMP	1,1,2-Trichloroethane	0.285	0.275	3.5	100	0.00
43 TMP	2-Hexanone	0.190	0.184	3.2	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110512.D
 Acq On : 05 Nov 2022 01:53 pm
 Operator : VM
 Sample : 2 ppb 8260 ICAL 67-177L
 Misc : soil/water
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:21 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.457	0.467	-2.2	100	0.00
45 TMP Tetrachloroethene	0.460	0.433	5.9	100	0.00
46 TMP Dibromochloromethane	0.451	0.418	7.3	100	-0.01
47 TMP 1,2-Dibromoethane (EDB)	0.360	0.339	5.8	100	0.00
48 TMP Chlorobenzene	0.993	0.997	-0.4	100	0.00
49 TMP Ethylbenzene	1.557	1.526	2.0	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.387	0.372	3.9	100	0.00
51 TMP m,p-Xylene	0.612	0.590	3.6	100	0.00
52 TMP o-Xylene	0.591	0.573	3.0	100	0.00
53 TMP Styrene	0.887	0.865	2.5	100	0.00
54 TMP Isopropylbenzene	1.435	1.434	0.1	100	0.00
55 TMP Bromoform	0.299	0.283	5.4	100	0.00
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	0.689	0.678	1.6	100	0.00
58 TMP n-Propylbenzene	2.700	2.809	-4.0	100	0.00
59 TMP Bromobenzene	0.837	0.845	-1.0	100	0.00
60 TMP 1,3,5-Trimethylbenzene	1.968	1.932	1.8	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.626	0.633	-1.1	100	0.00
62 TMP 1,2,3-Trichloropropane	0.486	0.533	-9.7	100	0.00
63 TMP 2-Chlorotoluene	1.617	1.705	-5.4	100	0.00
64 TMP 4-Chlorotoluene	1.912	1.872	2.1	100	0.00
65 TMP tert-Butylbenzene	1.952	1.870	4.2	100	0.00
66 TMP 1,2,4-Trimethylbenzene	1.996	1.891	5.3	100	0.00
67 TMP sec-Butylbenzene	2.624	2.549	2.9	100	0.00
68 TMP p-Isopropyltoluene	2.387	2.275	4.7	100	0.00
69 TMP 1,3-Dichlorobenzene	1.530	1.518	0.8	100	0.00
70 TMP 1,4-Dichlorobenzene	1.564	1.611	-3.0	100	0.00
71 TMP 1,2-Dichlorobenzene	1.455	1.435	1.4	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	0.108	0.118	-9.3	100	0.00
73 TMP 1,2,4-Trichlorobenzene	0.971	0.886	8.8	100	0.00
74 TMP Hexachlorobutadiene	0.600	0.617	-2.8	100	0.00
75 TMP Naphthalene	1.833	1.595	13.0	100	0.00
76 TMP 1,2,3-Trichlorobenzene	0.846	0.810	4.3	100	0.00

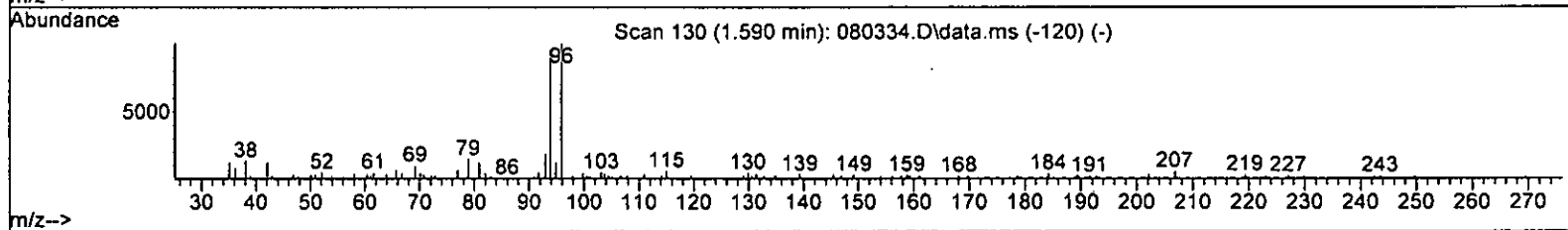
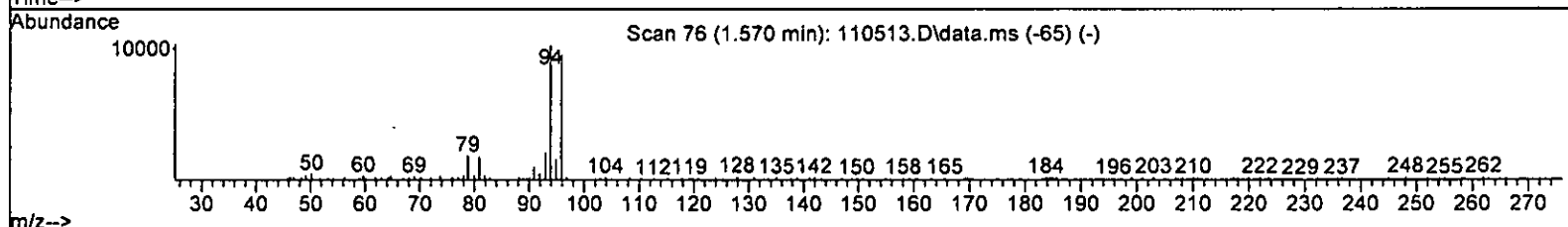
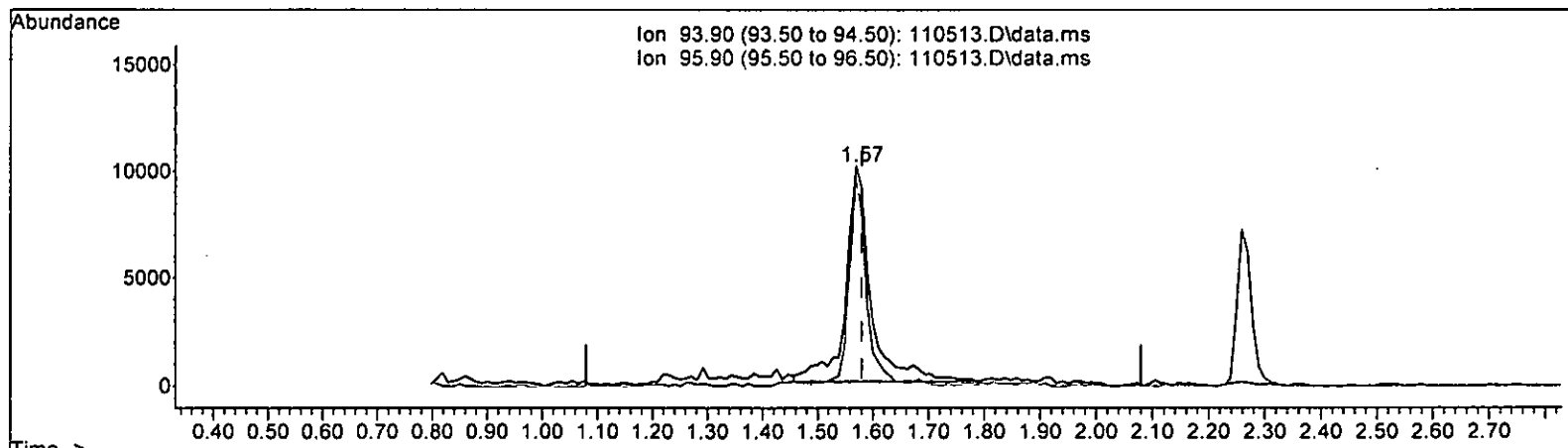
(#) = Out of Range

SPCC's out = 3 CCC's out = 0

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110513.D
 Acq On : 05 Nov 2022 02:16 pm
 Operator : VM
 Sample : 5 ppb 8260 ICAL 67-177M
 Misc : soil/water
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:23 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110513.D\data.ms

(7) Bromomethane (TMP)

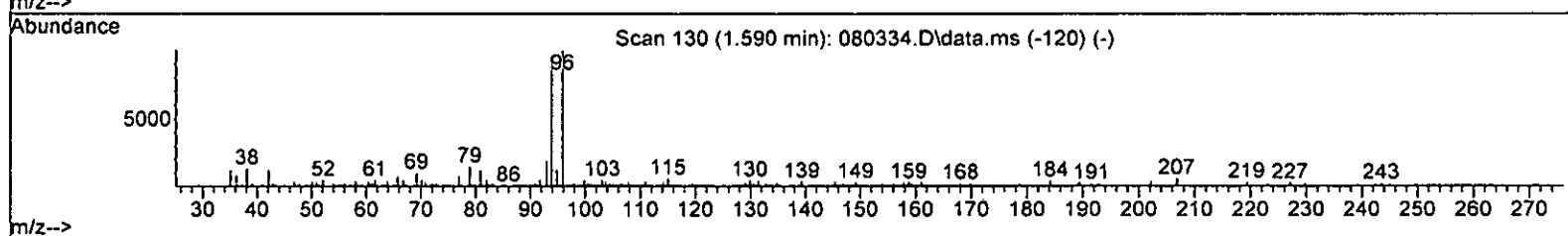
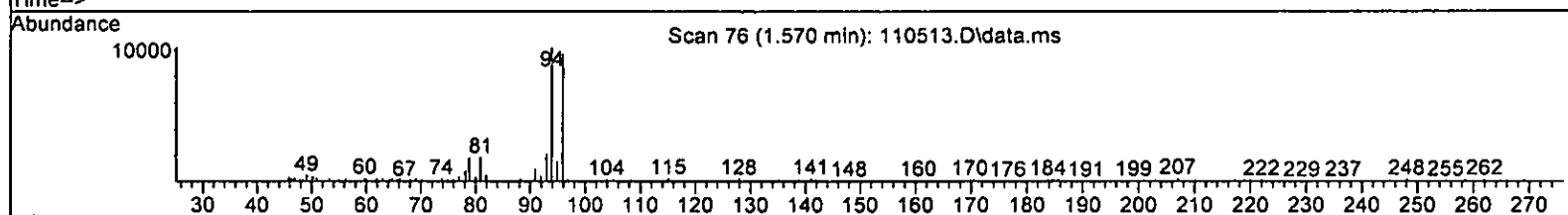
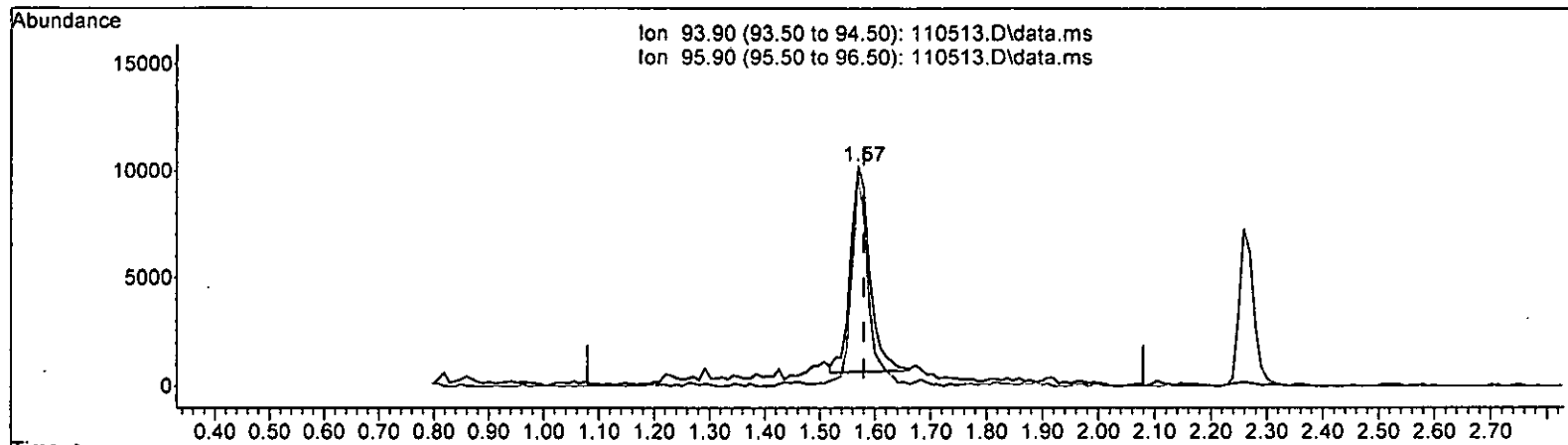
1.570min (-0.010) 6.638 ppb

response	31464
Ion	Exp% Act%
93.90	100.00 100.00
95.90	93.50 95.95
0.00	0.00 0.00
0.00	0.00 0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110513.D
 Acq On : 05 Nov 2022 02:16 pm
 Operator : VM
 Sample : 5 ppb 8260 ICAL 67-177M
 Misc : soil/water
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:23 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110513.D\data.ms

(7) Bromomethane (TMP)

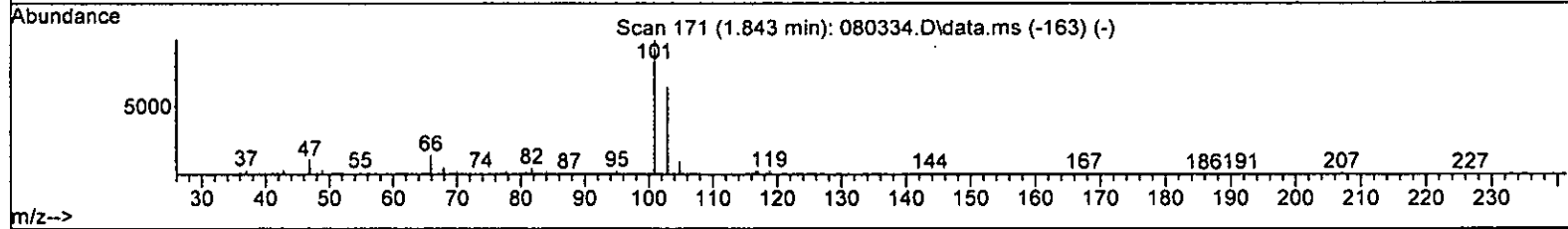
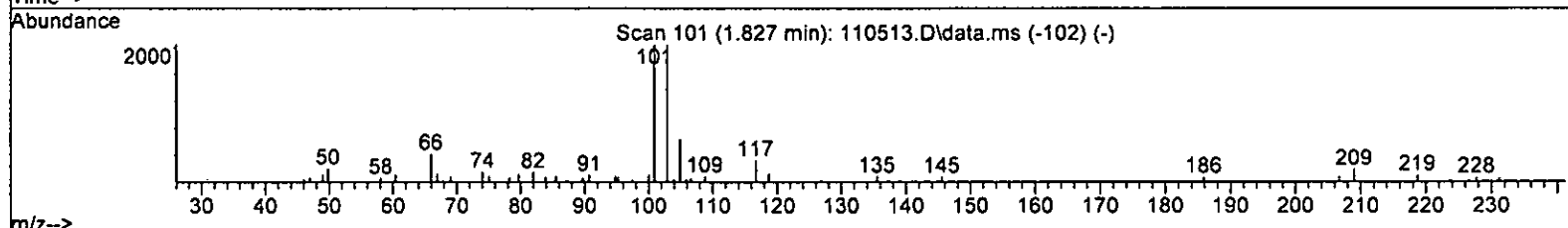
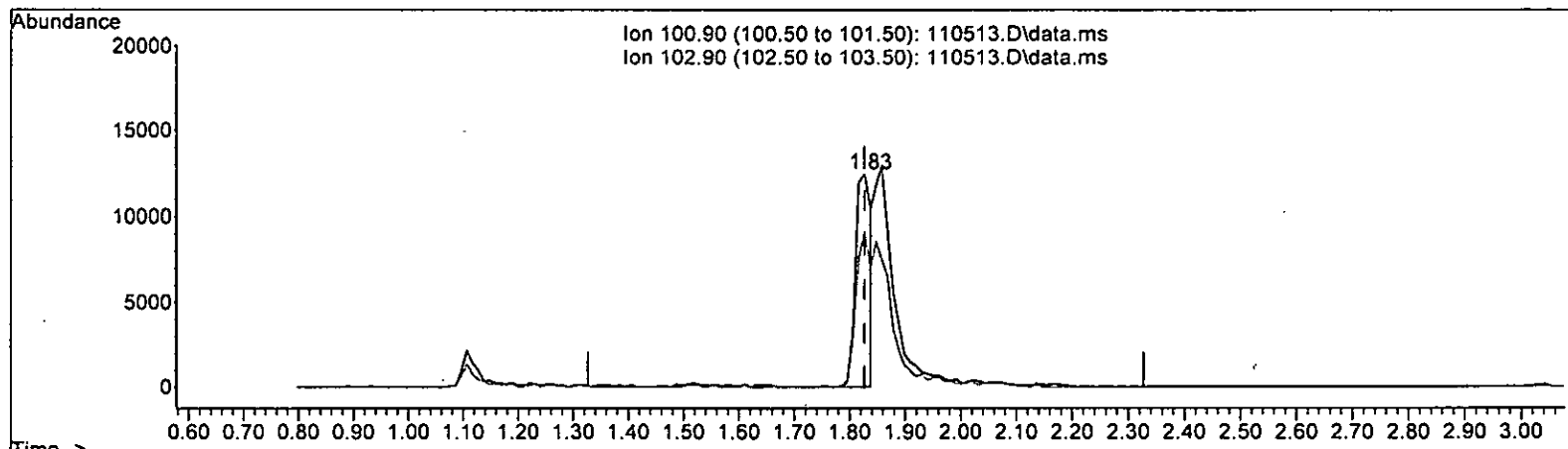
1.570min (-0.010) 4.882 ppb m

response	23141
Ion	Exp% Act%
93.90	100.00 100.00
95.90	93.50 94.58
0.00	0.00 0.00
0.00	0.00 0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110513.D
 Acq On : 05 Nov 2022 02:16 pm
 Operator : VM
 Sample : 5 ppb 8260 ICAL 67-177M
 Misc : soil/water
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:23 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110513.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.827min (-0.000) 1.929 ppb

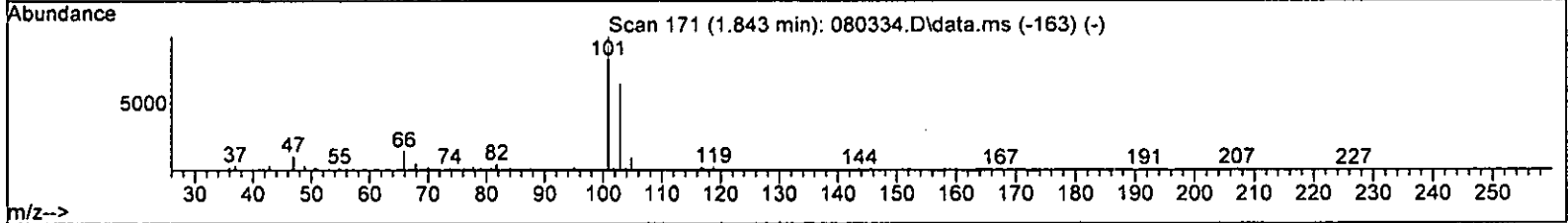
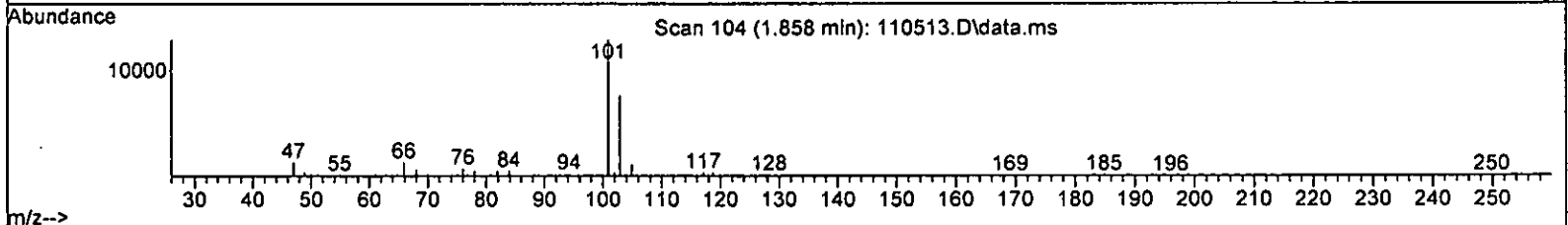
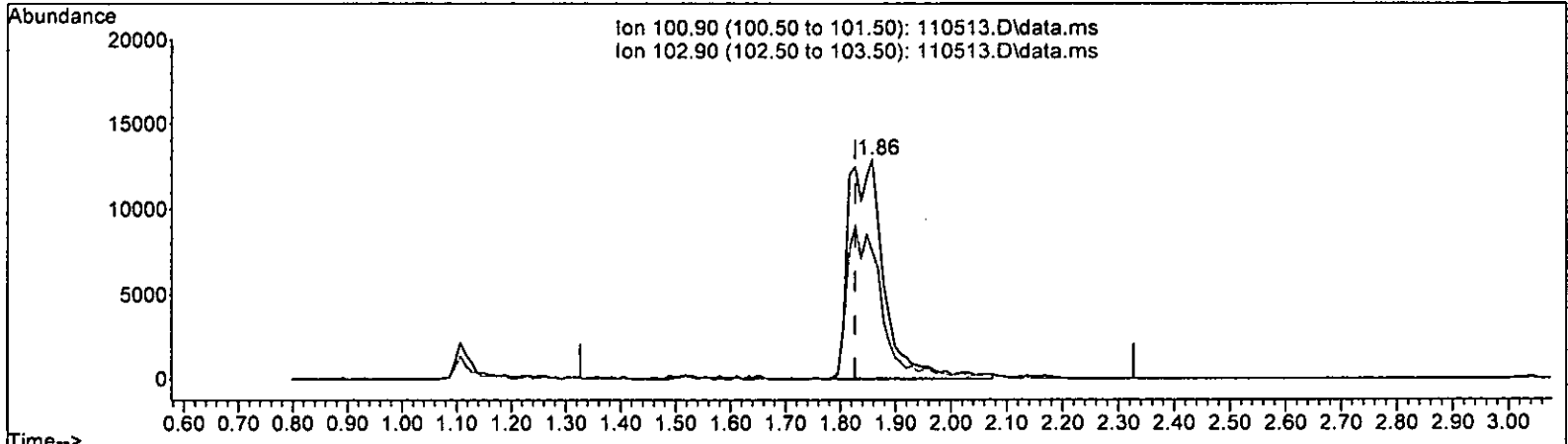
response 23763

Ion	Exp%	Act%
100.90	100.00	100.00
102.90	65.30	72.85
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110513.D
 Acq On : 05 Nov 2022 02:16 pm
 Operator : VM
 Sample : 5 ppb 8260 ICAL 67-177M
 Misc : soil/water
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:23 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110513.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.858min (+ 0.031) 4.960 ppb m

response 61115

Ion	Exp%	Act%
100.90	100.00	100.00
102.90	65.30	58.38
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110513.D
 Acq On : 05 Nov 2022 02:16 pm
 Operator : VM
 Sample : 5 ppb 8260 ICAL 67-177M
 Misc : soil/water
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:23 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	4.73	96	109707	10.000	ppb	-0.01
39) Chlorobenzene-d5	7.40	117	88629	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	50120	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.17	113	34176	9.714	ppb	0.00
Spiked Amount	10.000	Range	50 - 150	Recovery	=	97.10%
30) 1,2-Dichloroethane-d4	4.45	102	6631	9.726	ppb	0.00
Spiked Amount	10.000	Range	84 - 120	Recovery	=	97.30%
35) Toluene-d8	6.11	98	103918	9.932	ppb	0.00
Spiked Amount	10.000	Range	73 - 128	Recovery	=	99.30%
57) 4-Bromofluorobenzene	8.51	95	34646	10.032	ppb	0.00
Spiked Amount	10.000	Range	57 - 146	Recovery	=	100.30%
Target Compounds						
						Qvalue
2) Ethanol	2.33	45	365	No Calib		
4) Dichlorodifluoromethane	1.11	85	39970	4.554	ppb	97
5) Chloromethane	1.25	50	25956	4.847	ppb	97
6] Vinyl chloride	1.33	62	26239	4.692	ppb	94
7) Bromomethane	1.57	94	23141m	4.882	ppb	
8] Chloroethane	1.64	64	12441	4.959	ppb	97
9) Trichlorofluoromethane	1.86	101	61115m	4.960	ppb	
10] 2-Propanol	2.33	45	365	No Calib	#	
11) Acetone	2.33	58	6296	21.279	ppb	# 86
12] 1,1-Dichloroethene	2.26	96	14896	4.766	ppb	84
13) Hexane	3.16	57	16668	4.700	ppb	95
14) Methylene chloride	2.68	84	17937	4.905	ppb	94
15) t-Butyl alcohol (TBA)	2.82	59	5799	22.023	ppb	82
16] Methyl t-butyl ether (...)	2.93	73	34475	4.720	ppb	99
17] trans-1,2-Dichloroethene	2.91	96	16527	4.730	ppb	83
18) Diisopropyl ether (DIPE)	3.35	45	35750	4.670	ppb	96
19] 1,1-Dichloroethane	3.27	63	23872	4.696	ppb	97
20] Ethyl t-butyl ether (E...)	3.65	87	12223	4.325	ppb	# 76
21) 2,2-Dichloropropane	3.76	77	11875	4.501	ppb	91
22] cis-1,2-Dichloroethene	3.77	96	17811	4.873	ppb	96
23) Chloroform	4.04	83	28521	4.827	ppb	100
24) 2-Butanone (MEK)	3.79	43	26467	19.098	ppb	97
25) t-Amyl methyl ether (T...)	4.61	73	26822	4.524	ppb	93
26] 1,2-Dichloroethane (EDC)	4.52	62	22233	4.963	ppb	92
27] 1,1,1-Trichloroethane	4.19	97	23900	4.521	ppb	94
28) 1,1-Dichloropropene	4.33	75	19020	4.792	ppb	94
29) Carbon tetrachloride	4.33	117	23496	4.415	ppb	98
31] Benzene	4.50	78	56905	4.638	ppb	100
32] Trichloroethene	5.05	95	18837	4.685	ppb	# 78
33) 1,2-Dichloropropane	5.24	63	12455	4.712	ppb	96
34) Bromodichloromethane	5.48	83	19920	4.697	ppb	91
36) Dibromomethane	5.34	93	10758	4.468	ppb	89

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110513.D
 Acq On : 05 Nov 2022 02:16 pm
 Operator : VM
 Sample : 5 ppb 8260 ICAL 67-177M
 Misc : soil/water
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS13

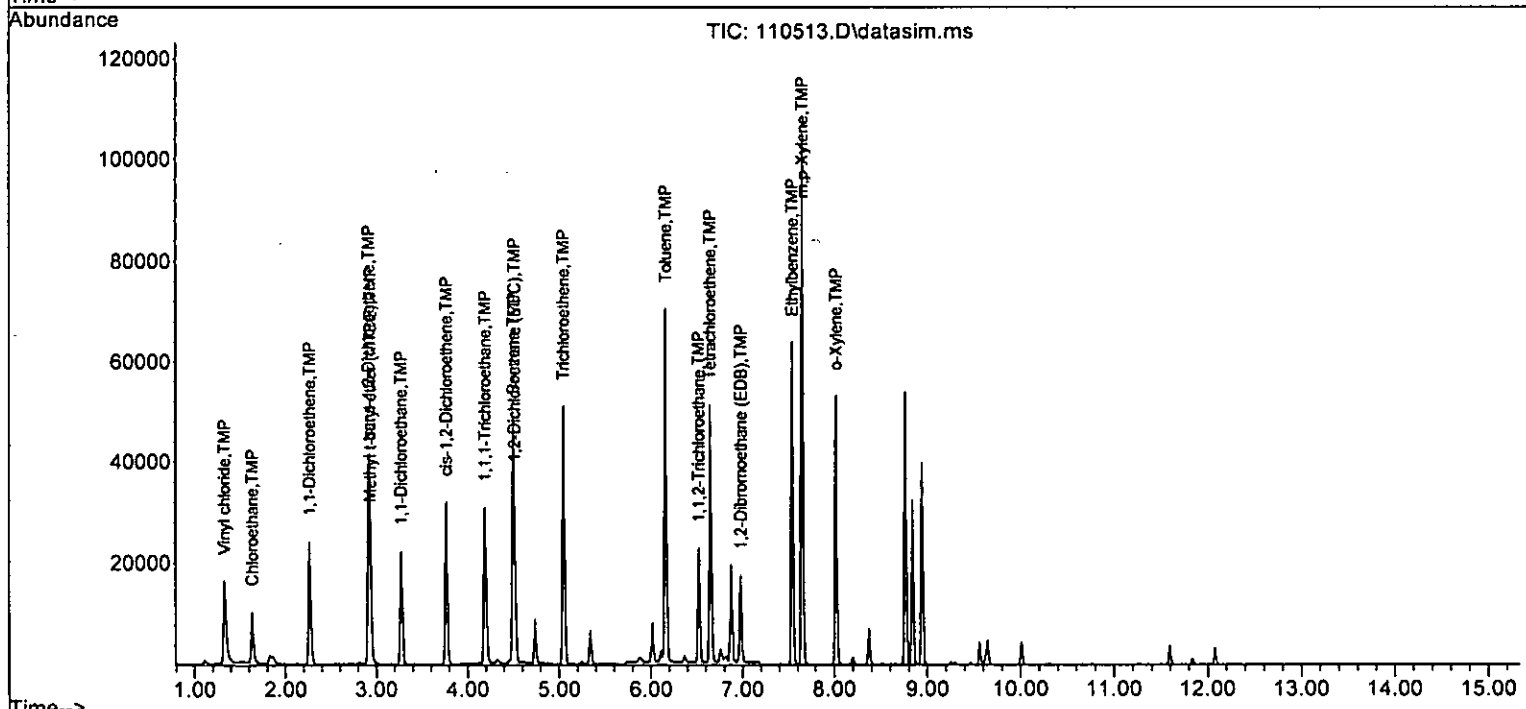
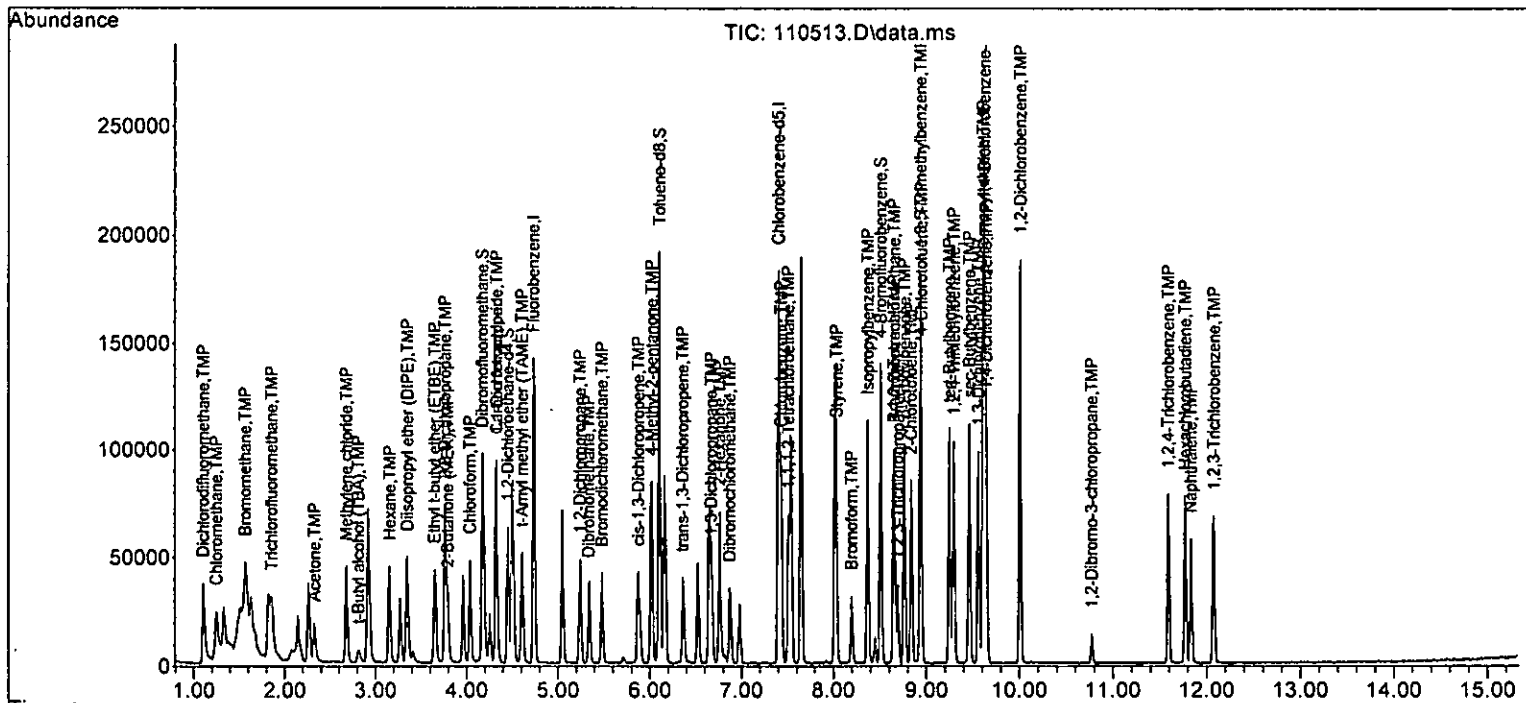
Quant Time: Nov 07 15:17:23 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	6.02	85	9919	21.312	ppb	96
38) cis-1,3-Dichloropropene	5.88	75	16892	4.276	ppb	94
40] Toluene	6.16	92	35268	4.956	ppb	97
41) trans-1,3-Dichloropropene	6.36	75	13495	4.357	ppb	90
42] 1,1,2-Trichloroethane	6.53	83	11288	4.911	ppb	89
43) 2-Hexanone	6.76	43	37305	22.205	ppb	97
44) 1,3-Dichloropropane	6.67	76	19946	4.922	ppb	97
45] Tetrachloroethene	6.65	164	17803	5.084	ppb	95
46) Dibromochloromethane	6.87	129	17976	4.719	ppb	96
47] 1,2-Dibromoethane (EDB)	6.98	107	14430	4.528	ppb	98
48) Chlorobenzene	7.43	112	41631	4.730	ppb	95
49] Ethylbenzene	7.54	91	64516	4.675	ppb	95
50) 1,1,1,2-Tetrachloroethane	7.51	131	15366	4.485	ppb	89
51] m,p-Xylene	7.65	106	50138	9.246	ppb	89
52] o-Xylene	8.02	106	24168	4.616	ppb	88
53) Styrene	8.03	104	36124	4.594	ppb	96
54) Isopropylbenzene	8.37	105	61384	4.825	ppb	95
55) Bromoform	8.20	173	11869	4.479	ppb	94
58) n-Propylbenzene	8.77	91	66876	4.943	ppb	93
59) Bromobenzene	8.65	156	19920	4.746	ppb #	80
60) 1,3,5-Trimethylbenzene	8.94	105	48534	4.921	ppb	94
61) 1,1,2,2-Tetrachloroethane	8.65	83	15253	5.160	ppb	92
62) 1,2,3-Trichloropropane	8.70	75	11548	4.739	ppb	94
63) 2-Chlorotoluene	8.84	91	40265	4.969	ppb	94
64) 4-Chlorotoluene	8.95	91	46593	4.862	ppb	89
65) tert-Butylbenzene	9.25	119	45776	4.679	ppb	96
66) 1,2,4-Trimethylbenzene	9.30	105	47789	4.776	ppb	96
67) sec-Butylbenzene	9.46	105	63733	4.846	ppb	94
68) p-Isopropyltoluene	9.61	119	57271	4.787	ppb	95
69) 1,3-Dichlorobenzene	9.56	146	37190	4.851	ppb	96
70) 1,4-Dichlorobenzene	9.64	146	38104	4.861	ppb	95
71) 1,2-Dichlorobenzene	10.01	146	35540	4.875	ppb	96
72) 1,2-Dibromo-3-chloropr...	10.77	75	2516	4.652	ppb	89
73) 1,2,4-Trichlorobenzene	11.59	180	21952	4.513	ppb	96
74) Hexachlorobutadiene	11.77	225	13843	4.605	ppb	98
75) Naphthalene	11.83	128	40939	4.473	ppb	100
76) 1,2,3-Trichlorobenzene	12.08	180	19554	4.612	ppb	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110513.D
 Acq On : 05 Nov 2022 02:16 pm
 Operator : VM
 Sample : 5 ppb 8260 ICAL 67-177M
 Misc : soil/water
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:23 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110513.D
 Acq On : 05 Nov 2022 02:16 pm
 Operator : VM
 Sample : 5 ppb 8260 ICAL 67-177M
 Misc : soil/water
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:23 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I Fluorobenzene	10.000	10.000	0.0	100	-0.01
2 TMP Ethanol	-1.000	0.000	0.0	0	0.00
3 S Dibromofluoromethane	10.000	9.714	2.9	100	0.00
4 TMP Dichlorodifluoromethane	5.000	4.554	8.9	100	-0.01
5 TMP Chloromethane	5.000	4.847	3.1	100	-0.01
6 TMP Vinyl chloride	5.000	4.692	6.2	100	-0.01
7 TMP Bromomethane	5.000	4.882	2.4	86	-0.01
8 TMP Chloroethane	5.000	4.959	0.8	100	-0.01
9 TMP Trichlorofluoromethane	5.000	4.960	0.8	100	0.03
10 TMP 2-Propanol	-1.000	0.000	0.0	0	0.00
11 TMP Acetone	25.000	21.279	14.9	100	0.00
12 TMP 1,1-Dichloroethene	5.000	4.766	4.7	100	-0.01
13 TMP Hexane	5.000	4.700	6.0	100	0.00
14 TMP Methylene chloride	5.000	4.905	1.9	100	0.00
15 TMP t-Butyl alcohol (TBA)	25.000	22.023	11.9	100	0.00
16 TMP Methyl t-butyl ether (MTBE)	5.000	4.720	5.6	100	0.00
17 TMP trans-1,2-Dichloroethene	5.000	4.730	5.4	100	-0.01
18 TMP Diisopropyl ether (DIPE)	5.000	4.670	6.6	100	0.00
19 TMP 1,1-Dichloroethane	5.000	4.696	6.1	100	0.00
20 TMP Ethyl t-butyl ether (ETBE)	5.000	4.325	13.5	100	-0.01
21 TMP 2,2-Dichloropropane	5.000	4.501	10.0	100	-0.01
22 TMP cis-1,2-Dichloroethene	5.000	4.873	2.5	100	0.00
23 TMP Chloroform	5.000	4.827	3.5	100	0.00
24 TMP 2-Butanone (MEK)	25.000	19.098	23.6#	100	0.00
25 TMP t-Amyl methyl ether (TAME)	5.000	4.524	9.5	100	0.00
26 TMP 1,2-Dichloroethane (EDC)	5.000	4.963	0.7	99	-0.01
27 TMP 1,1,1-Trichloroethane	5.000	4.521	9.6	100	0.00
28 TMP 1,1-Dichloropropene	5.000	4.792	4.2	100	0.00
29 TMP Carbon tetrachloride	5.000	4.415	11.7	100	0.00
30 S 1,2-Dichloroethane-d4	10.000	9.726	2.7	100	0.00
31 TMP Benzene	5.000	4.638	7.2	100	0.00
32 TMP Trichloroethene	5.000	4.685	6.3	100	0.00
33 TMP 1,2-Dichloropropane	5.000	4.712	5.8	100	0.00
34 TMP Bromodichloromethane	5.000	4.697	6.1	100	0.00
35 S Toluene-d8	10.000	9.932	0.7	100	0.00
36 TMP Dibromomethane	5.000	4.468	10.6	100	-0.01
37 TMP 4-Methyl-2-pentanone	25.000	21.312	14.8	100	0.00
38 TMP cis-1,3-Dichloropropene	5.000	4.276	14.5	100	0.00
39 I Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40 TMP Toluene	5.000	4.956	0.9	100	0.00
41 TMP trans-1,3-Dichloropropene	5.000	4.357	12.9	100	0.00
42 TMP 1,1,2-Trichloroethane	5.000	4.911	1.8	100	0.00
43 TMP 2-Hexanone	25.000	22.205	11.2	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110513.D
 Acq On : 05 Nov 2022 02:16 pm
 Operator : VM
 Sample : 5 ppb 8260 ICAL 67-177M
 Misc : soil/water
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:23 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	5.000	4.922	1.6	100	-0.01
45 TMP Tetrachloroethene	5.000	5.084	-1.7	100	0.00
46 TMP Dibromochloromethane	5.000	4.719	5.6	100	-0.01
47 TMP 1,2-Dibromoethane (EDB)	5.000	4.528	9.4	100	0.00
48 TMP Chlorobenzene	5.000	4.730	5.4	100	0.00
49 TMP Ethylbenzene	5.000	4.675	6.5	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	5.000	4.485	10.3	100	0.00
51 TMP m,p-Xylene	10.000	9.246	7.5	100	0.00
52 TMP o-Xylene	5.000	4.616	7.7	100	0.00
53 TMP Styrene	5.000	4.594	8.1	100	0.00
54 TMP Isopropylbenzene	5.000	4.825	3.5	100	0.00
55 TMP Bromoform	5.000	4.479	10.4	100	0.00
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	10.000	10.032	-0.3	100	0.00
58 TMP n-Propylbenzene	5.000	4.943	1.1	100	0.00
59 TMP Bromobenzene	5.000	4.746	5.1	100	0.00
60 TMP 1,3,5-Trimethylbenzene	5.000	4.921	1.6	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	5.000	5.160	-3.2	100	0.00
62 TMP 1,2,3-Trichloropropane	5.000	4.739	5.2	100	0.00
63 TMP 2-Chlorotoluene	5.000	4.969	0.6	100	0.00
64 TMP 4-Chlorotoluene	5.000	4.862	2.8	100	0.00
65 TMP tert-Butylbenzene	5.000	4.679	6.4	100	0.00
66 TMP 1,2,4-Trimethylbenzene	5.000	4.776	4.5	100	0.00
67 TMP sec-Butylbenzene	5.000	4.846	3.1	100	0.00
68 TMP p-Isopropyltoluene	5.000	4.787	4.3	100	0.00
69 TMP 1,3-Dichlorobenzene	5.000	4.851	3.0	100	0.00
70 TMP 1,4-Dichlorobenzene	5.000	4.861	2.8	100	0.00
71 TMP 1,2-Dichlorobenzene	5.000	4.875	2.5	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	5.000	4.652	7.0	100	0.00
73 TMP 1,2,4-Trichlorobenzene	5.000	4.513	9.7	100	0.00
74 TMP Hexachlorobutadiene	5.000	4.605	7.9	100	0.00
75 TMP Naphthalene	5.000	4.473	10.5	100	0.00
76 TMP 1,2,3-Trichlorobenzene	5.000	4.612	7.8	100	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110513.D
 Acq On : 05 Nov 2022 02:16 pm
 Operator : VM
 Sample : 5 ppb 8260 ICAL 67-177M
 Misc : soil/water
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:23 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I Fluorobenzene	1.000	1.000	0.0	100	-0.01
2 TMP Ethanol	0.000	0.000#	0.0	0#	0.00
3 S Dibromofluoromethane	0.321	0.312	2.8	100	0.00
4 TMP Dichlorodifluoromethane	0.800	0.729	8.9	100	-0.01
5 TMP Chloromethane	0.488	0.473	3.1	100	-0.01
6 TMP Vinyl chloride	0.510	0.478	6.3	100	-0.01
7 TMP Bromomethane	0.432	0.422	2.3	86	-0.01
8 TMP Chloroethane	0.229	0.227	0.9	100	-0.01
9 TMP Trichlorofluoromethane	1.123	1.114	0.8	100	0.03
10 TMP 2-Propanol	0.000	0.000	0.0	0#	0.00
11 TMP Acetone	0.029	0.023	20.7#	100	0.00
12 TMP 1,1-Dichloroethene	0.285	0.272	4.6	100	-0.01
13 TMP Hexane	0.323	0.304	5.9	100	0.00
14 TMP Methylene chloride	0.289	0.327	-13.1	100	0.00
15 TMP t-Butyl alcohol (TBA)	0.024	0.021#	12.5	100	0.00
16 TMP Methyl t-butyl ether (MTBE)	0.666	0.628	5.7	100	0.00
17 TMP trans-1,2-Dichloroethene	0.318	0.301	5.3	100	-0.01
18 TMP Diisopropyl ether (DIPE)	0.698	0.652	6.6	100	0.00
19 TMP 1,1-Dichloroethane	0.463	0.435	6.0	100	0.00
20 TMP Ethyl t-butyl ether (ETBE)	0.258	0.223	13.6	100	-0.01
21 TMP 2,2-Dichloropropane	0.258	0.216	16.3	100	-0.01
22 TMP cis-1,2-Dichloroethene	0.333	0.325	2.4	100	0.00
23 TMP Chloroform	0.539	0.520	3.5	100	0.00
24 TMP 2-Butanone (MEK)	0.132	0.097	26.5#	100	0.00
25 TMP t-Amyl methyl ether (TAME)	0.540	0.489#	9.4	100	0.00
26 TMP 1,2-Dichloroethane (EDC)	0.465	0.405	12.9	99	-0.01
27 TMP 1,1,1-Trichloroethane	0.482	0.436	9.5	100	0.00
28 TMP 1,1-Dichloropropene	0.370	0.347	6.2	100	0.00
29 TMP Carbon tetrachloride	0.485	0.428	11.8	100	0.00
30 S 1,2-Dichloroethane-d4	0.062	0.060	3.2	100	0.00
31 TMP Benzene	1.118	1.037	7.2	100	0.00
32 TMP Trichloroethene	0.367	0.343	6.5	100	0.00
33 TMP 1,2-Dichloropropane	0.241	0.227	5.8	100	0.00
34 TMP Bromodichloromethane	0.387	0.363	6.2	100	0.00
35 S Toluene-d8	0.954	0.947	0.7	100	0.00
36 TMP Dibromomethane	0.219	0.196	10.5	100	-0.01
37 TMP 4-Methyl-2-pentanone	0.042	0.036	14.3	100	0.00
38 TMP cis-1,3-Dichloropropene	0.360	0.308	14.4	100	0.00
39 I Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40 TMP Toluene	0.907	0.796	12.2	100	0.00
41 TMP trans-1,3-Dichloropropene	0.366	0.305	16.7	100	0.00
42 TMP 1,1,2-Trichloroethane	0.285	0.255	10.5	100	0.00
43 TMP 2-Hexanone	0.190	0.168	11.6	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110513.D
 Acq On : 05 Nov 2022 02:16 pm
 Operator : VM
 Sample : 5 ppb 8260 ICAL 67-177M
 Misc : soil/water
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:23 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.457	0.450	1.5	100	-0.01
45 TMP Tetrachloroethene	0.460	0.402	12.6	100	0.00
46 TMP Dibromochloromethane	0.451	0.406	10.0	100	-0.01
47 TMP 1,2-Dibromoethane (EDB)	0.360	0.326	9.4	100	0.00
48 TMP Chlorobenzene	0.993	0.939	5.4	100	0.00
49 TMP Ethylbenzene	1.557	1.456	6.5	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.387	0.347	10.3	100	0.00
51 TMP m,p-Xylene	0.612	0.566	7.5	100	0.00
52 TMP o-Xylene	0.591	0.545	7.8	100	0.00
53 TMP Styrene	0.887	0.815	8.1	100	0.00
54 TMP Isopropylbenzene	1.435	1.385	3.5	100	0.00
55 TMP Bromoform	0.299	0.268	10.4	100	0.00
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	0.689	0.691	-0.3	100	0.00
58 TMP n-Propylbenzene	2.700	2.669	1.1	100	0.00
59 TMP Bromobenzene	0.837	0.795	5.0	100	0.00
60 TMP 1,3,5-Trimethylbenzene	1.968	1.937	1.6	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.626	0.609	2.7	100	0.00
62 TMP 1,2,3-Trichloropropane	0.486	0.461#	5.1	100	0.00
63 TMP 2-Chlorotoluene	1.617	1.607	0.6	100	0.00
64 TMP 4-Chlorotoluene	1.912	1.859	2.8	100	0.00
65 TMP tert-Butylbenzene	1.952	1.827	6.4	100	0.00
66 TMP 1,2,4-Trimethylbenzene	1.996	1.907	4.5	100	0.00
67 TMP sec-Butylbenzene	2.624	2.543	3.1	100	0.00
68 TMP p-Isopropyltoluene	2.387	2.285	4.3	100	0.00
69 TMP 1,3-Dichlorobenzene	1.530	1.484	3.0	100	0.00
70 TMP 1,4-Dichlorobenzene	1.564	1.521	2.7	100	0.00
71 TMP 1,2-Dichlorobenzene	1.455	1.418	2.5	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	0.108	0.100	7.4	100	0.00
73 TMP 1,2,4-Trichlorobenzene	0.971	0.876	9.8	100	0.00
74 TMP Hexachlorobutadiene	0.600	0.552	8.0	100	0.00
75 TMP Naphthalene	1.833	1.634	10.9	100	0.00
76 TMP 1,2,3-Trichlorobenzene	0.846	0.780	7.8	100	0.00

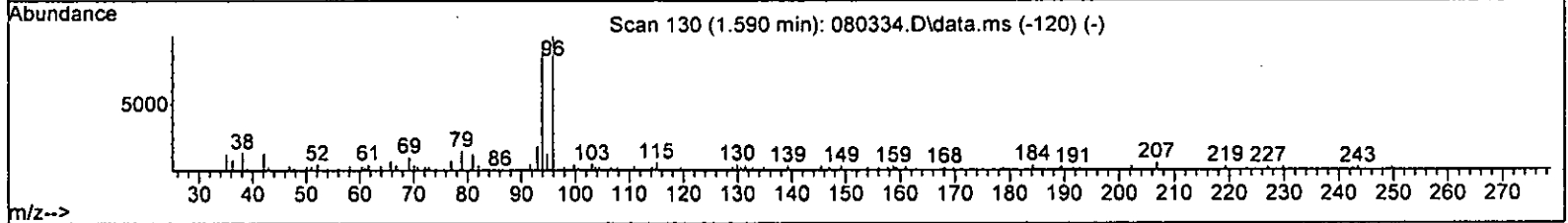
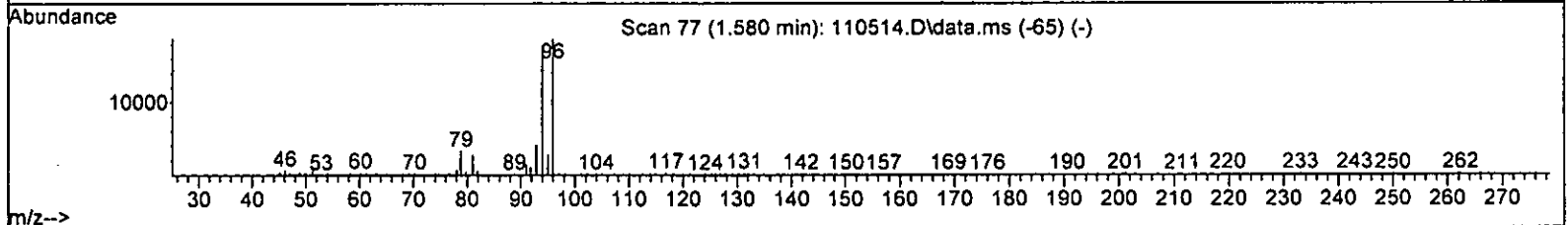
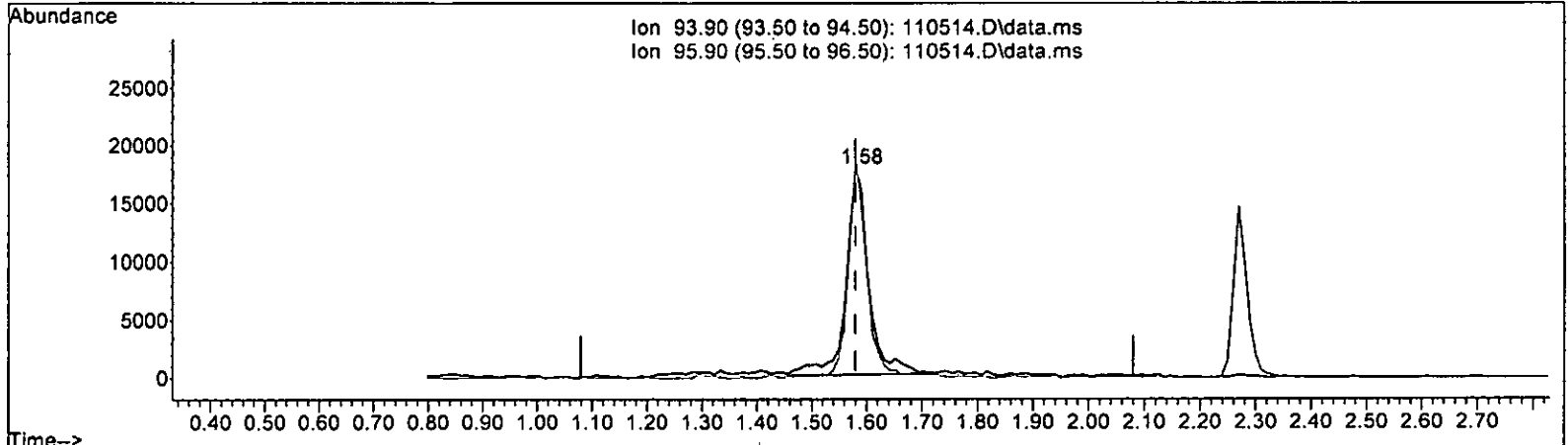
(#) = Out of Range

SPCC's out = 4 CCC's out = 0

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110514.D
 Acq On : 05 Nov 2022 02:39 pm
 Operator : VM
 Sample : 10 ppb 8260 ICAL 67-177N
 Misc : soil/water
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:25 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110514.D\data.ms

(7) Bromomethane (TMP)

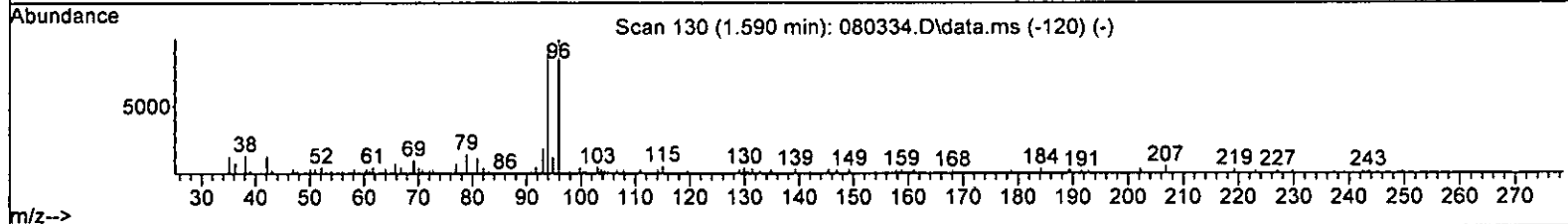
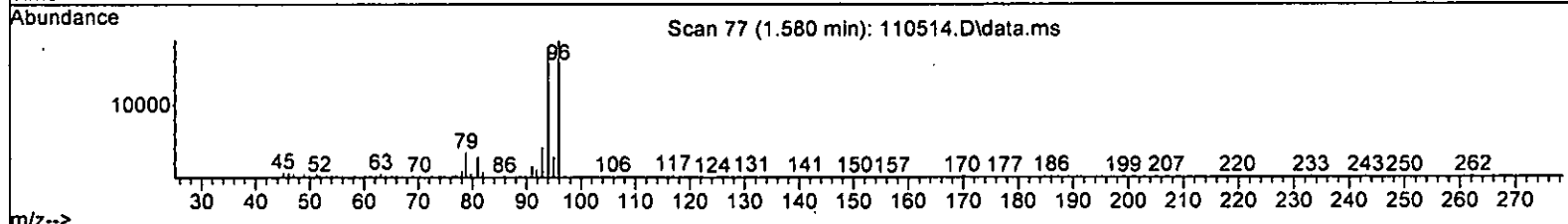
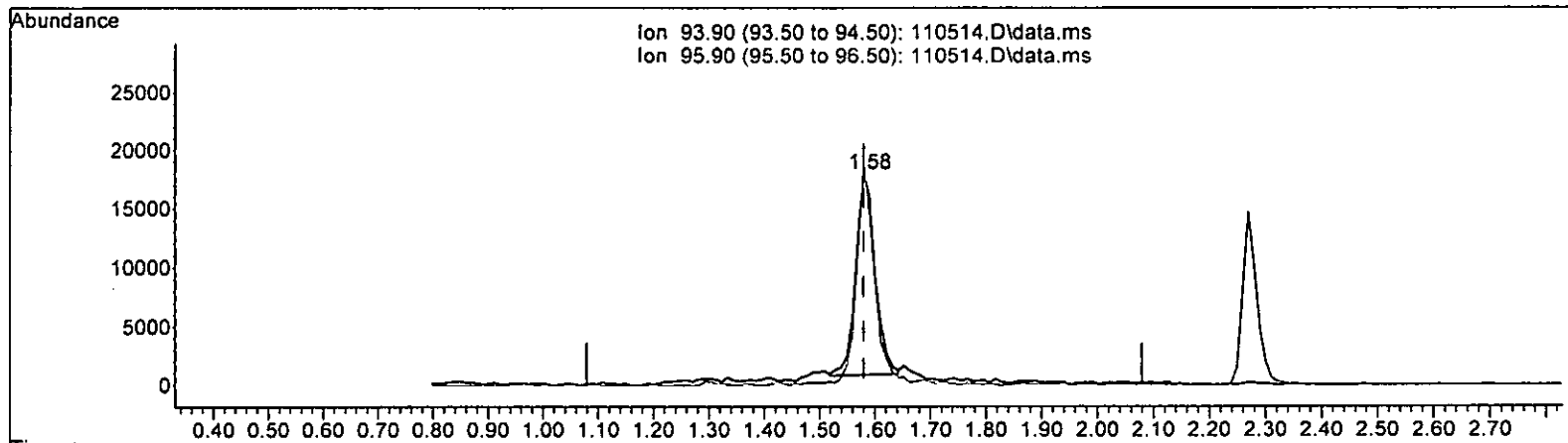
1.580min (+ 0.000) 11.319 ppb

response	51007
Ion	Exp% Act%
93.90	100.00 100.00
95.90	93.50 105.91
0.00	0.00 0.00
0.00	0.00 0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110514.D
 Acq On : 05 Nov 2022 02:39 pm
 Operator : VM
 Sample : 10 ppb 8260 ICAL 67-177N
 Misc : soil/water
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:25 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110514.D\data.ms

(7) Bromomethane (TMP)

1.580min (+ 0.000) 9.187 ppb m

response	41401
Ion	Exp% Act%
93.90	100.00 100.00
95.90	93.50 104.66
0.00	0.00 0.00
0.00	0.00 0.00

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110514.D
 Acq On : 05 Nov 2022 02:39 pm
 Operator : VM
 Sample : 10 ppb 8260 ICAL 67-177N
 Misc : soil/water
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:25 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	4.75	96	104308	10.000	ppb	0.00
39) Chlorobenzene-d5	7.41	117	87057	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	51133	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.18	113	33344	9.968	ppb	0.00
Spiked Amount	10.000	Range	50 - 150	Recovery	=	99.70%
30) 1,2-Dichloroethane-d4	4.45	102	6805	10.498	ppb	0.00
Spiked Amount	10.000	Range	84 - 120	Recovery	=	105.00%
35) Toluene-d8	6.11	98	101519	10.205	ppb	0.00
Spiked Amount	10.000	Range	73 - 128	Recovery	=	102.00%
57) 4-Bromofluorobenzene	8.51	95	35310	10.022	ppb	0.00
Spiked Amount	10.000	Range	57 - 146	Recovery	=	100.20%
Target Compounds						
						Qvalue
2) Ethanol	2.33	45	337	No Calib		
4) Dichlorodifluoromethane	1.12	85	82454	9.881	ppb	99
5) Chloromethane	1.26	50	52455	10.302	ppb	96
6] Vinyl chloride	1.34	62	52244	9.826	ppb	95
7) Bromomethane	1.58	94	41401m	9.187	ppb	
8] Chloroethane	1.65	64	24645	10.332	ppb	96
9) Trichlorofluoromethane	1.83	101	113746	9.710	ppb	93
10) 2-Propanol	2.33	45	337	No Calib	#	
11) Acetone	2.33	58	15004	54.589	ppb	90
12] 1,1-Dichloroethene	2.27	96	29285	9.854	ppb	89
13) Hexane	3.16	57	34044	10.096	ppb	96
14) Methylene chloride	2.68	84	31652	10.138	ppb	94
15) t-Butyl alcohol (TBA)	2.82	59	12685	50.668	ppb	92
16] Methyl t-butyl ether (...)	2.93	73	70284	10.120	ppb	98
17] trans-1,2-Dichloroethene	2.92	96	32760	9.862	ppb	92
18) Diisopropyl ether (DIPE)	3.35	45	70407	9.674	ppb	100
19] 1,1-Dichloroethane	3.27	63	49510	10.243	ppb	98
20) Ethyl t-butyl ether (E...)	3.66	87	25865	9.626	ppb	# 90
21) 2,2-Dichloropropane	3.77	77	23624	9.405	ppb	97
22] cis-1,2-Dichloroethene	3.77	96	35146	10.114	ppb	96
23) Chloroform	4.04	83	55529	9.884	ppb	95
24) 2-Butanone (MEK)	3.80	43	68680	52.470	ppb	99
25) t-Amyl methyl ether (T...)	4.61	73	56141	9.959	ppb	95
26] 1,2-Dichloroethane (EDC)	4.53	62	44319	10.457	ppb	98
27] 1,1,1-Trichloroethane	4.19	97	49472	9.844	ppb	95
28) 1,1-Dichloropropene	4.33	75	38299	10.159	ppb	99
29) Carbon tetrachloride	4.33	117	48992	9.682	ppb	99
31] Benzene	4.50	78	114400	9.807	ppb	97
32] Trichloroethene	5.05	95	37097	9.703	ppb	85
33) 1,2-Dichloropropane	5.24	63	24611	9.792	ppb	97
34) Bromodichloromethane	5.48	83	41413	10.269	ppb	94
36) Dibromomethane	5.35	93	22692	9.913	ppb	87

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110514.D
 Acq On : 05 Nov 2022 02:39 pm
 Operator : VM
 Sample : 10 ppb 8260 ICAL 67-177N
 Misc : soil/water
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS13

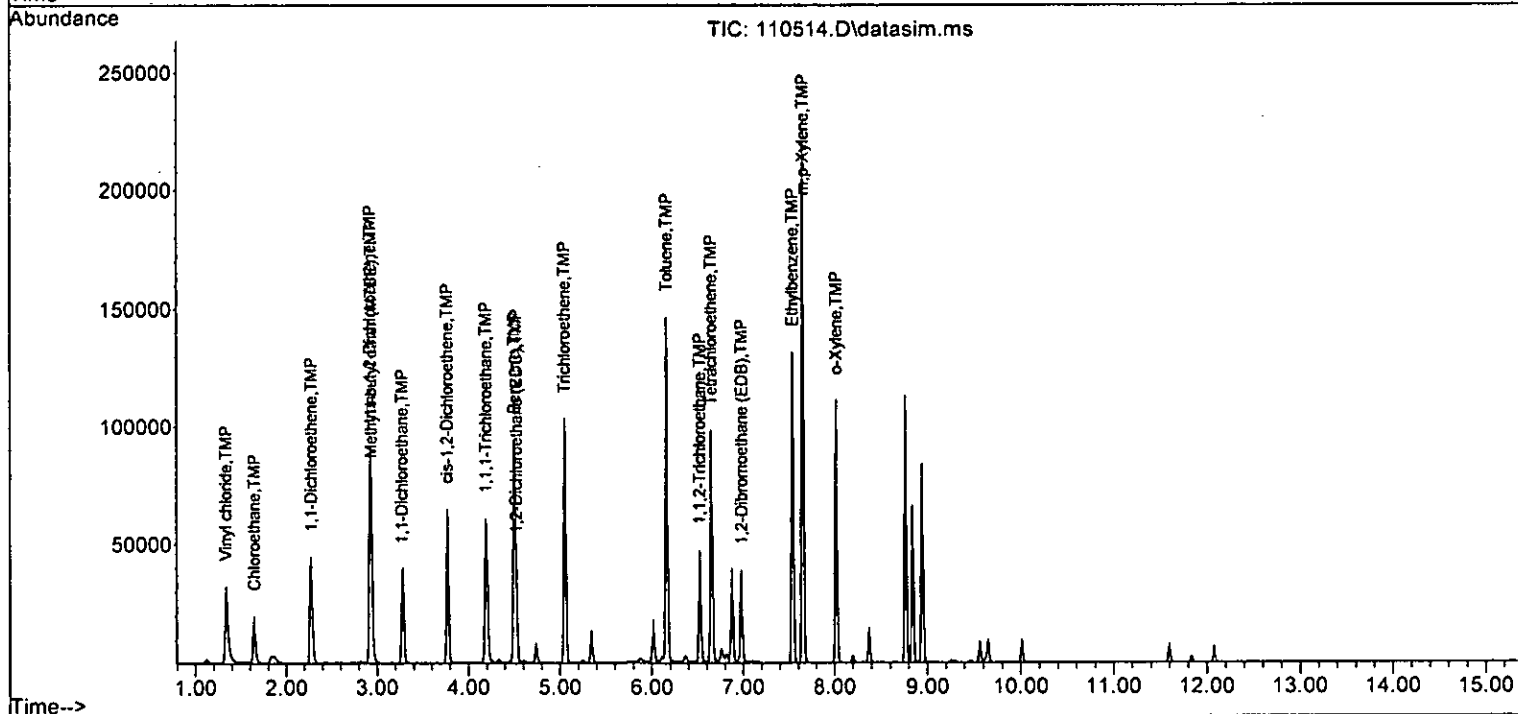
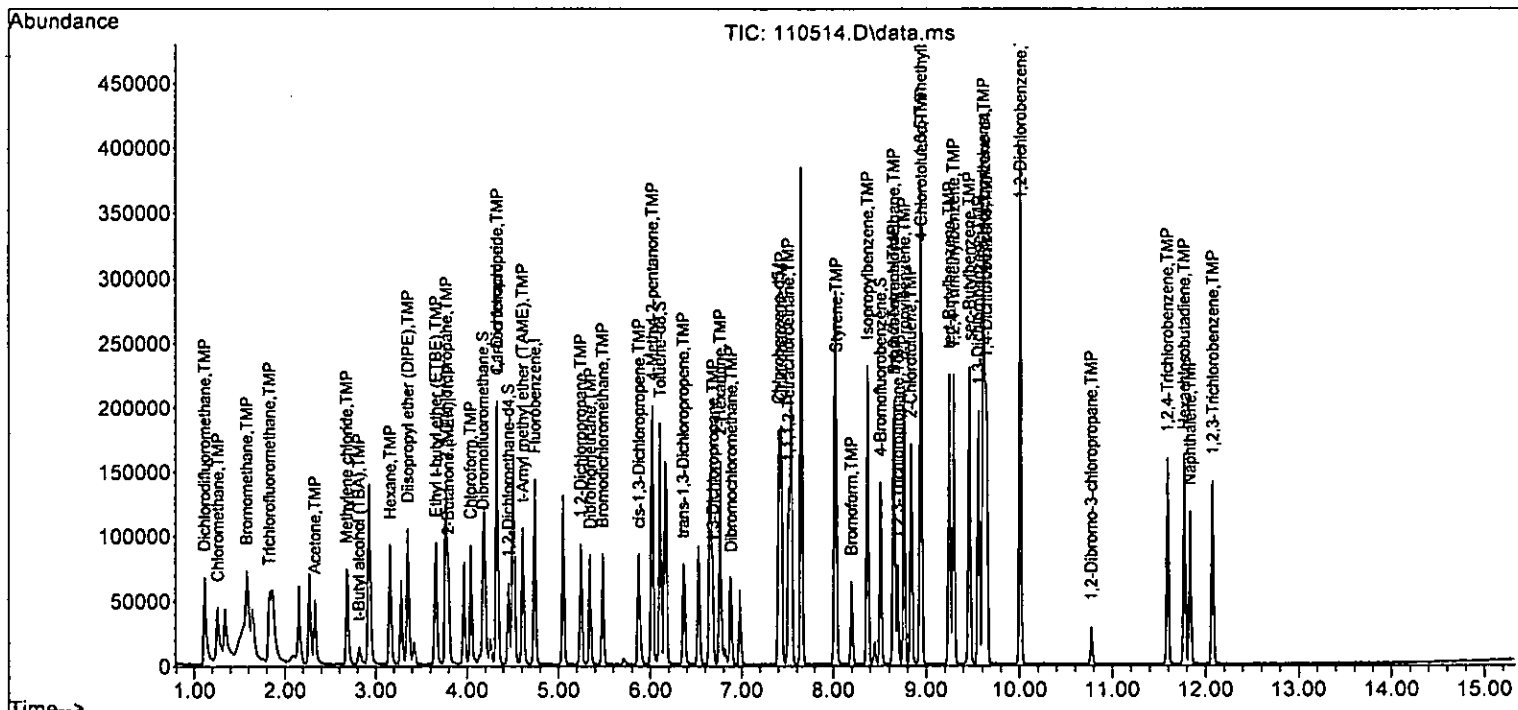
Quant Time: Nov 07 15:17:25 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	6.02	85	22592	51.053	ppb	87
38) cis-1,3-Dichloropropene	5.88	75	34553	9.199	ppb	92
40] Toluene	6.16	92	72112	10.334	ppb	98
41) trans-1,3-Dichloropropene	6.36	75	28870	9.423	ppb	89
42] 1,1,2-Trichloroethane	6.53	83	23239	10.318	ppb	92
43) 2-Hexanone	6.76	43	83273	50.462	ppb	95
44) 1,3-Dichloropropane	6.68	76	39919	10.029	ppb	99
45] Tetrachloroethene	6.65	164	35768	10.402	ppb	96
46) Dibromochloromethane	6.89	129	36547	9.760	ppb	100
47] 1,2-Dibromoethane (EDB)	6.98	107	30662	9.796	ppb	99
48) Chlorobenzene	7.43	112	84024	9.720	ppb	96
49] Ethylbenzene	7.54	91	132199	9.753	ppb	96
50) 1,1,1,2-Tetrachloroethane	7.51	131	31977	9.502	ppb	96
51] m,p-Xylene	7.65	106	104427	19.606	ppb	91
52] o-Xylene	8.02	106	50131	9.748	ppb	89
53) Styrene	8.03	104	77903	10.086	ppb	97
54) Isopropylbenzene	8.37	105	125406	10.035	ppb	95
55) Bromoform	8.20	173	25019	9.611	ppb	99
58) n-Propylbenzene	8.77	91	142590	10.329	ppb	90
59) Bromobenzene	8.65	156	42431	9.909	ppb #	77
60) 1,3,5-Trimethylbenzene	8.94	105	101060	10.045	ppb	94
61) 1,1,2,2-Tetrachloroethane	8.65	83	31804	10.662	ppb	98
62) 1,2,3-Trichloropropane	8.70	75	24300	9.774	ppb	94
63) 2-Chlorotoluene	8.84	91	84235	10.189	ppb	92
64) 4-Chlorotoluene	8.95	91	97390	9.962	ppb	85
65) tert-Butylbenzene	9.25	119	96957	9.715	ppb	94
66) 1,2,4-Trimethylbenzene	9.30	105	103049	10.095	ppb	93
67) sec-Butylbenzene	9.46	105	134934	10.057	ppb	98
68) p-Isopropyltoluene	9.61	119	122277	10.019	ppb	97
69) 1,3-Dichlorobenzene	9.56	146	77024	9.849	ppb	96
70) 1,4-Dichlorobenzene	9.64	146	78396	9.803	ppb	99
71) 1,2-Dichlorobenzene	10.01	146	75064	10.092	ppb	97
72) 1,2-Dibromo-3-chloropr...	10.77	75	5363	9.720	ppb	94
73) 1,2,4-Trichlorobenzene	11.59	180	46976	9.466	ppb	99
74) Hexachlorobutadiene	11.77	225	29590	9.649	ppb	96
75) Naphthalene	11.83	128	88116	9.287	ppb	99
76) 1,2,3-Trichlorobenzene	12.08	180	41267	9.540	ppb	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110514.D
 Acq On : 05 Nov 2022 02:39 pm
 Operator : VM
 Sample : 10 ppb 8260 ICAL 67-177N
 Misc : soil/water
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:25 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110514.D
 Acq On : 05 Nov 2022 02:39 pm
 Operator : VM
 Sample : 10 ppb 8260 ICAL 67-177N
 Misc : soil/water
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:25 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I Fluorobenzene	10.000	10.000	0.0	100	0.00
2 TMP Ethanol	-1.000	0.000	0.0	0	0.00
3 S Dibromofluoromethane	10.000	9.968	0.3	100	0.00
4 TMP Dichlorodifluoromethane	10.000	9.881	1.2	100	0.00
5 TMP Chloromethane	10.000	10.302	-3.0	100	0.00
6 TMP Vinyl chloride	10.000	9.826	1.7	100	0.00
7 TMP Bromomethane	10.000	9.187	8.1	81	0.00
8 TMP Chloroethane	10.000	10.332	-3.3	100	0.00
9 TMP Trichlorofluoromethane	10.000	9.710	2.9	100	0.00
10 TMP 2-Propanol	-1.000	0.000	0.0	0	0.00
11 TMP Acetone	50.000	54.589	-9.2	100	0.00
12 TMP 1,1-Dichloroethene	10.000	9.854	1.5	100	0.00
13 TMP Hexane	10.000	10.096	-1.0	100	0.00
14 TMP Methylene chloride	10.000	10.138	-1.4	100	0.00
15 TMP t-Butyl alcohol (TBA)	50.000	50.668	-1.3	100	0.00
16 TMP Methyl t-butyl ether (MTBE)	10.000	10.120	-1.2	100	0.00
17 TMP trans-1,2-Dichloroethene	10.000	9.862	1.4	100	0.00
18 TMP Diisopropyl ether (DIPE)	10.000	9.674	3.3	100	0.00
19 TMP 1,1-Dichloroethane	10.000	10.243	-2.4	100	0.00
20 TMP Ethyl t-butyl ether (ETBE)	10.000	9.626	3.7	100	0.00
21 TMP 2,2-Dichloropropane	10.000	9.405	6.0	100	0.00
22 TMP cis-1,2-Dichloroethene	10.000	10.114	-1.1	100	0.00
23 TMP Chloroform	10.000	9.884	1.2	100	0.00
24 TMP 2-Butanone (MEK)	50.000	52.470	-4.9	100	0.00
25 TMP t-Amyl methyl ether (TAME)	10.000	9.959	0.4	100	0.00
26 TMP 1,2-Dichloroethane (EDC)	10.000	10.457	-4.6	100	0.00
27 TMP 1,1,1-Trichloroethane	10.000	9.844	1.6	100	0.00
28 TMP 1,1-Dichloropropene	10.000	10.159	-1.6	100	0.00
29 TMP Carbon tetrachloride	10.000	9.682	3.2	100	0.00
30 S 1,2-Dichloroethane-d4	10.000	10.498	-5.0	100	0.00
31 TMP Benzene	10.000	9.807	1.9	100	0.00
32 TMP Trichloroethene	10.000	9.703	3.0	100	0.00
33 TMP 1,2-Dichloropropane	10.000	9.792	2.1	100	0.00
34 TMP Bromodichloromethane	10.000	10.269	-2.7	100	0.00
35 S Toluene-d8	10.000	10.205	-2.1	100	0.00
36 TMP Dibromomethane	10.000	9.913	0.9	100	0.00
37 TMP 4-Methyl-2-pentanone	50.000	51.053	-2.1	100	0.00
38 TMP cis-1,3-Dichloropropene	10.000	9.199	8.0	100	0.00
39 I Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40 TMP Toluene	10.000	10.334	-3.3	100	0.00
41 TMP trans-1,3-Dichloropropene	10.000	9.423	5.8	100	0.00
42 TMP 1,1,2-Trichloroethane	10.000	10.318	-3.2	100	0.00
43 TMP 2-Hexanone	50.000	50.462	-0.9	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110514.D
 Acq On : 05 Nov 2022 02:39 pm
 Operator : VM
 Sample : 10 ppb 8260 ICAL 67-177N
 Misc : soil/water
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:25 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	10.000	10.029	-0.3	100	0.00
45 TMP Tetrachloroethene	10.000	10.402	-4.0	100	0.00
46 TMP Dibromochloromethane	10.000	9.760	2.4	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	10.000	9.796	2.0	100	0.00
48 TMP Chlorobenzene	10.000	9.720	2.8	100	0.00
49 TMP Ethylbenzene	10.000	9.753	2.5	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	10.000	9.502	5.0	100	0.00
51 TMP m,p-Xylene	20.000	19.606	2.0	100	0.00
52 TMP o-Xylene	10.000	9.748	2.5	100	0.00
53 TMP Styrene	10.000	10.086	-0.9	100	0.00
54 TMP Isopropylbenzene	10.000	10.035	-0.4	100	0.00
55 TMP Bromoform	10.000	9.611	3.9	100	0.00
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	10.000	10.022	-0.2	100	0.00
58 TMP n-Propylbenzene	10.000	10.329	-3.3	100	0.00
59 TMP Bromobenzene	10.000	9.909	0.9	100	0.00
60 TMP 1,3,5-Trimethylbenzene	10.000	10.045	-0.4	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	10.000	10.662	-6.6	100	0.00
62 TMP 1,2,3-Trichloropropane	10.000	9.774	2.3	100	0.00
63 TMP 2-Chlorotoluene	10.000	10.189	-1.9	100	0.00
64 TMP 4-Chlorotoluene	10.000	9.962	0.4	100	0.00
65 TMP tert-Butylbenzene	10.000	9.715	2.9	100	0.00
66 TMP 1,2,4-Trimethylbenzene	10.000	10.095	-1.0	100	0.00
67 TMP sec-Butylbenzene	10.000	10.057	-0.6	100	0.00
68 TMP p-Isopropyltoluene	10.000	10.019	-0.2	100	0.00
69 TMP 1,3-Dichlorobenzene	10.000	9.849	1.5	100	0.00
70 TMP 1,4-Dichlorobenzene	10.000	9.803	2.0	100	0.00
71 TMP 1,2-Dichlorobenzene	10.000	10.092	-0.9	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	10.000	9.720	2.8	100	0.00
73 TMP 1,2,4-Trichlorobenzene	10.000	9.466	5.3	100	0.00
74 TMP Hexachlorobutadiene	10.000	9.649	3.5	100	0.00
75 TMP Naphthalene	10.000	9.287	7.1	100	0.00
76 TMP 1,2,3-Trichlorobenzene	10.000	9.540	4.6	100	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110514.D
 Acq On : 05 Nov 2022 02:39 pm
 Operator : VM
 Sample : 10 ppb 8260 ICAL 67-177N
 Misc : soil/water
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:25 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2 TMP	Ethanol	0.000	0.000#	0.0	0#	0.00
3 S	Dibromofluoromethane	0.321	0.320	0.3	100	0.00
4 TMP	Dichlorodifluoromethane	0.800	0.790	1.3	100	0.00
5 TMP	Chloromethane	0.488	0.503	-3.1	100	0.00
6 TMP	Vinyl chloride	0.510	0.501	1.8	100	0.00
7 TMP	Bromomethane	0.432	0.397	8.1	81	0.00
8 TMP	Chloroethane	0.229	0.236	-3.1	100	0.00
9 TMP	Trichlorofluoromethane	1.123	1.090	2.9	100	0.00
10 TMP	2-Propanol	0.000	0.000	0.0	0#	0.00
11 TMP	Acetone	0.029	0.029	0.0	100	0.00
12 TMP	1,1-Dichloroethene	0.285	0.281	1.4	100	0.00
13 TMP	Hexane	0.323	0.326	-0.9	100	0.00
14 TMP	Methylene chloride	0.289	0.303	-4.8	100	0.00
15 TMP	t-Butyl alcohol (TBA)	0.024	0.024#	0.0	100	0.00
16 TMP	Methyl t-butyl ether (MTBE)	0.666	0.674	-1.2	100	0.00
17 TMP	trans-1,2-Dichloroethene	0.318	0.314	1.3	100	0.00
18 TMP	Diisopropyl ether (DIPE)	0.698	0.675	3.3	100	0.00
19 TMP	1,1-Dichloroethane	0.463	0.475	-2.6	100	0.00
20 TMP	Ethyl t-butyl ether (ETBE)	0.258	0.248	3.9	100	0.00
21 TMP	2,2-Dichloropropane	0.258	0.226	12.4	100	0.00
22 TMP	cis-1,2-Dichloroethene	0.333	0.337	-1.2	100	0.00
23 TMP	Chloroform	0.539	0.532	1.3	100	0.00
24 TMP	2-Butanone (MEK)	0.132	0.132	0.0	100	0.00
25 TMP	t-Amyl methyl ether (TAME)	0.540	0.538	0.4	100	0.00
26 TMP	1,2-Dichloroethane (EDC)	0.465	0.425	8.6	100	0.00
27 TMP	1,1,1-Trichloroethane	0.482	0.474	1.7	100	0.00
28 TMP	1,1-Dichloropropane	0.370	0.367	0.8	100	0.00
29 TMP	Carbon tetrachloride	0.485	0.470	3.1	100	0.00
30 S	1,2-Dichloroethane-d4	0.062	0.065	-4.8	100	0.00
31 TMP	Benzene	1.118	1.097	1.9	100	0.00
32 TMP	Trichloroethene	0.367	0.356	3.0	100	0.00
33 TMP	1,2-Dichloropropane	0.241	0.236	2.1	100	0.00
34 TMP	Bromodichloromethane	0.387	0.397	-2.6	100	0.00
35 S	Toluene-d8	0.954	0.973	-2.0	100	0.00
36 TMP	Dibromomethane	0.219	0.218	0.5	100	0.00
37 TMP	4-Methyl-2-pentanone	0.042	0.043	-2.4	100	0.00
38 TMP	cis-1,3-Dichloropropene	0.360	0.331	8.1	100	0.00
39 I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40 TMP	Toluene	0.907	0.828	8.7	100	0.00
41 TMP	trans-1,3-Dichloropropene	0.366	0.332	9.3	100	0.00
42 TMP	1,1,2-Trichloroethane	0.285	0.267	6.3	100	0.00
43 TMP	2-Hexanone	0.190	0.191	-0.5	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110514.D
 Acq On : 05 Nov 2022 02:39 pm
 Operator : VM
 Sample : 10 ppb 8260 ICAL 67-177N
 Misc : soil/water
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:25 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.457	0.459	-0.4	100	0.00
45 TMP Tetrachloroethene	0.460	0.411	10.7	100	0.00
46 TMP Dibromochloromethane	0.451	0.420	6.9	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	0.360	0.352	2.2	100	0.00
48 TMP Chlorobenzene	0.993	0.965	2.8	100	0.00
49 TMP Ethylbenzene	1.557	1.519	2.4	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.387	0.367	5.2	100	0.00
51 TMP m,p-Xylene	0.612	0.600	2.0	100	0.00
52 TMP o-Xylene	0.591	0.576	2.5	100	0.00
53 TMP Styrene	0.887	0.895	-0.9	100	0.00
54 TMP Isopropylbenzene	1.435	1.441	-0.4	100	0.00
55 TMP Bromoform	0.299	0.287	4.0	100	0.00
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	0.689	0.691	-0.3	100	0.00
58 TMP n-Propylbenzene	2.700	2.789	-3.3	100	0.00
59 TMP Bromobenzene	0.837	0.830	0.8	100	0.00
60 TMP 1,3,5-Trimethylbenzene	1.968	1.976	-0.4	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.626	0.622	0.6	100	0.00
62 TMP 1,2,3-Trichloropropane	0.486	0.475#	2.3	100	0.00
63 TMP 2-Chlorotoluene	1.617	1.647	-1.9	100	0.00
64 TMP 4-Chlorotoluene	1.912	1.905	0.4	100	0.00
65 TMP tert-Butylbenzene	1.952	1.896	2.9	100	0.00
66 TMP 1,2,4-Trimethylbenzene	1.996	2.015	-1.0	100	0.00
67 TMP sec-Butylbenzene	2.624	2.639	-0.6	100	0.00
68 TMP p-Isopropyltoluene	2.387	2.391	-0.2	100	0.00
69 TMP 1,3-Dichlorobenzene	1.530	1.506	1.6	100	0.00
70 TMP 1,4-Dichlorobenzene	1.564	1.533	2.0	100	0.00
71 TMP 1,2-Dichlorobenzene	1.455	1.468	-0.9	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	0.108	0.105	2.8	100	0.00
73 TMP 1,2,4-Trichlorobenzene	0.971	0.919	5.4	100	0.00
74 TMP Hexachlorobutadiene	0.600	0.579	3.5	100	0.00
75 TMP Naphthalene	1.833	1.723	6.0	100	0.00
76 TMP 1,2,3-Trichlorobenzene	0.846	0.807	4.6	100	0.00

(#) = Out of Range

SPCC's out = 3 CCC's out = 0

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110515.D
 Acq On : 05 Nov 2022 03:03 pm
 Operator : VM
 Sample : 20 ppb 8260 ICAL 67-1770
 Misc : soil/water
 ALS Vial : 11 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:27 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	4.75	96	105008	10.000	ppb	0.00
39) Chlorobenzene-d5	7.40	117	89462	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	52775	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.18	113	33718	10.013	ppb	0.00
Spiked Amount	10.000	Range 50 - 150	Recovery	=	100.10%	
30) 1,2-Dichloroethane-d4	4.45	102	6337	9.710	ppb	0.00
Spiked Amount	10.000	Range 84 - 120	Recovery	=	97.10%	
35) Toluene-d8	6.11	98	101082	10.093	ppb	0.00
Spiked Amount	10.000	Range 73 - 128	Recovery	=	100.90%	
57) 4-Bromofluorobenzene	8.51	95	34733	9.551	ppb	0.00
Spiked Amount	10.000	Range 57 - 146	Recovery	=	95.50%	
Target Compounds						
						Qvalue
2) Ethanol	2.32	45	607	No Calib		
4) Dichlorodifluoromethane	1.11	85	154866	18.434	ppb	100
5) Chloromethane	1.25	50	98937	19.301	ppb	94
6] Vinyl chloride	1.34	62	100432	18.764	ppb	100
7) Bromomethane	1.58	94	91854	20.247	ppb	98
8] Chloroethane	1.64	64	47471	19.769	ppb	98
9) Trichlorofluoromethane	1.83	101	233636	19.811	ppb	99
10) 2-Propanol	2.32	45	607	No Calib		
11) Acetone	2.32	58	27987	101.273	ppb	94
12] 1,1-Dichloroethene	2.26	96	56156	18.770	ppb	# 71
13) Hexane	3.16	57	65322	19.242	ppb	96
14) Methylene chloride	2.68	84	59931	20.124	ppb	97
15) t-Butyl alcohol (TBA)	2.82	59	23148	91.844	ppb	83
16] Methyl t-butyl ether (...)	2.93	73	135072	19.320	ppb	98
17] trans-1,2-Dichloroethene	2.92	96	61409	18.363	ppb	98
18) Diisopropyl ether (DIPE)	3.35	45	137455	18.760	ppb	97
19] 1,1-Dichloroethane	3.27	63	93540	19.223	ppb	99
20) Ethyl t-butyl ether (E...)	3.66	87	50057	18.504	ppb	92
21) 2,2-Dichloropropane	3.76	77	45590	17.884	ppb	99
22] cis-1,2-Dichloroethene	3.77	96	66068	18.886	ppb	99
23) Chloroform	4.04	83	106690	18.863	ppb	100
24) 2-Butanone (MEK)	3.79	43	133256	101.085	ppb	97
25) t-Amyl methyl ether (T...)	4.61	73	110109	19.403	ppb	96
26] 1,2-Dichloroethane (EDC)	4.52	62	84215	19.800	ppb	92
27] 1,1,1-Trichloroethane	4.19	97	96380	19.049	ppb	96
28) 1,1-Dichloropropene	4.33	75	74331	19.559	ppb	96
29) Carbon tetrachloride	4.33	117	93871	18.427	ppb	96
31] Benzene	4.50	78	217715	18.539	ppb	99
32] Trichloroethene	5.05	95	69909	18.164	ppb	79
33) 1,2-Dichloropropane	5.24	63	47862	18.917	ppb	98
34) Bromodichloromethane	5.48	83	80311	19.782	ppb	93
36) Dibromomethane	5.35	93	42084	18.262	ppb	# 81

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110515.D
 Acq On : 05 Nov 2022 03:03 pm
 Operator : VM
 Sample : 20 ppb 8260 ICAL 67-1770
 Misc : soil/water
 ALS Vial : 11 Sample Multiplier: 1
 InstName : GCMS13

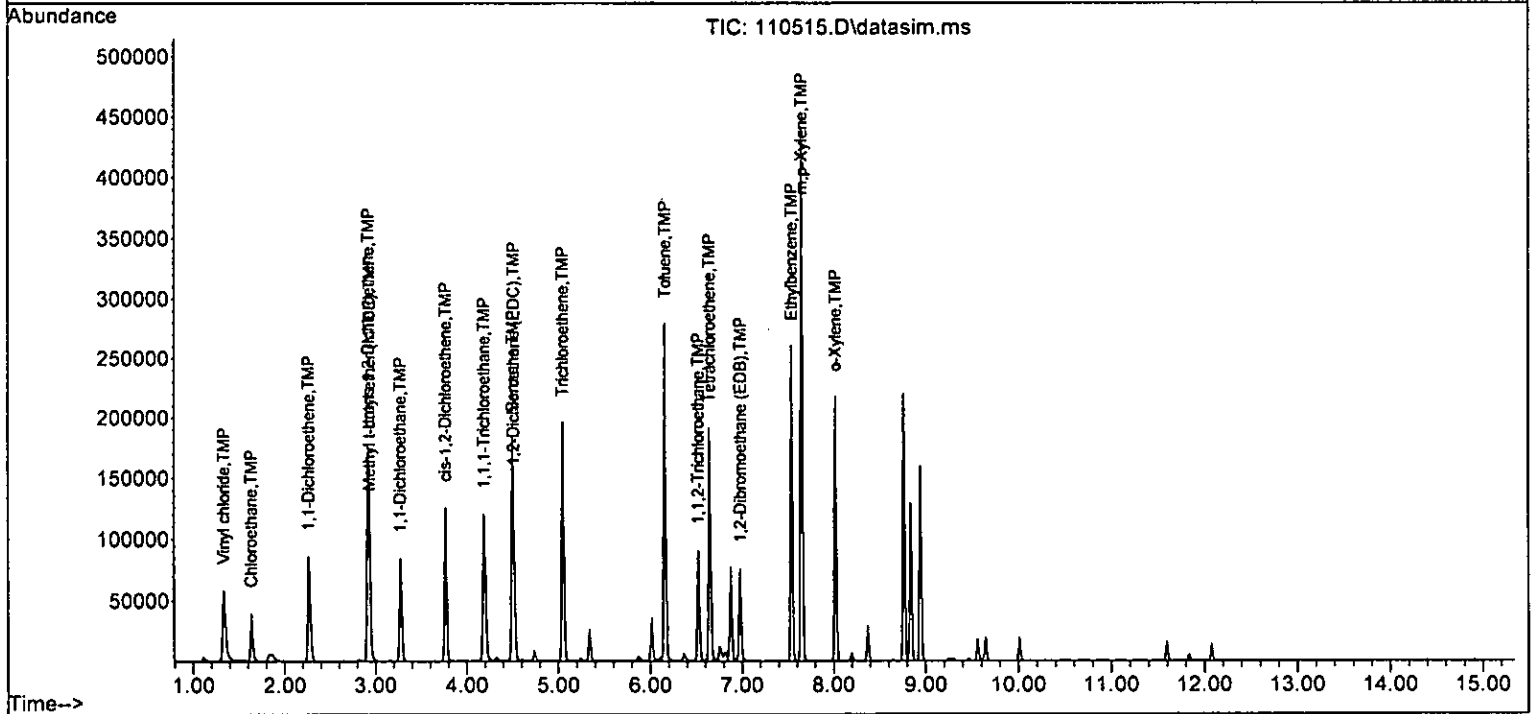
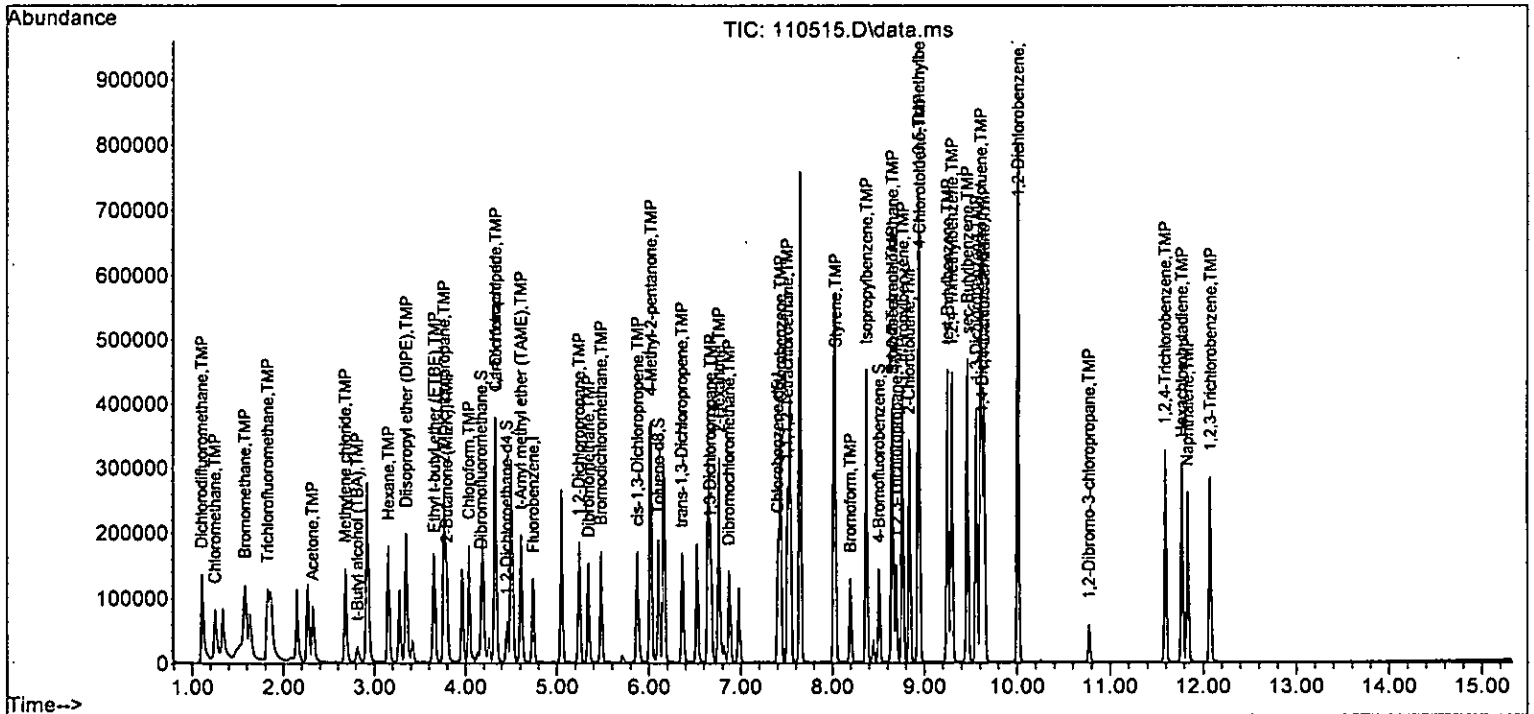
Quant Time: Nov 07 15:17:27 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	6.02	85	45279	101.638	ppb	97
38) cis-1,3-Dichloropropene	5.88	75	70729	18.705	ppb	93
40] Toluene	6.16	92	139892	19.521	ppb	97
41) trans-1,3-Dichloropropene	6.36	75	59494	18.667	ppb	91
42] 1,1,2-Trichloroethane	6.53	83	45453	19.683	ppb	90
43) 2-Hexanone	6.76	43	168998	99.657	ppb	96
44) 1,3-Dichloropropane	6.67	76	77532	18.955	ppb	98
45] Tetrachloroethene	6.65	164	68802	19.433	ppb	96
46) Dibromochloromethane	6.87	129	73622	19.026	ppb	97
47] 1,2-Dibromoethane (EDB)	6.98	107	60626	18.849	ppb	98
48) Chlorobenzene	7.43	112	167733	18.882	ppb	96
49] Ethylbenzene	7.54	91	260481	18.701	ppb	95
50) 1,1,1,2-Tetrachloroethane	7.51	131	65984	19.080	ppb	95
51] m,p-Xylene	7.65	106	204901	37.436	ppb	89
52] o-Xylene	8.02	106	98531	18.644	ppb	90
53) Styrene	8.03	104	154830	19.506	ppb	98
54) Isopropylbenzene	8.37	105	250256	19.488	ppb	96
55) Bromoform	8.20	173	49623	18.550	ppb	99
58) n-Propylbenzene	8.77	91	278485	19.546	ppb	91
59) Bromobenzene	8.65	156	81205	18.374	ppb	85
60) 1,3,5-Trimethylbenzene	8.94	105	202069	19.459	ppb	94
61) 1,1,2,2-Tetrachloroethane	8.65	83	61801	20.197	ppb	99
62) 1,2,3-Trichloropropane	8.70	75	48175	18.774	ppb	94
63) 2-Chlorotoluene	8.84	91	162962	19.099	ppb	93
64) 4-Chlorotoluene	8.95	91	193817	19.208	ppb	90
65) tert-Butylbenzene	9.25	119	194274	18.860	ppb	95
66) 1,2,4-Trimethylbenzene	9.30	105	208375	19.778	ppb	94
67) sec-Butylbenzene	9.46	105	267303	19.304	ppb	96
68) p-Isopropyltoluene	9.61	119	246519	19.570	ppb	97
69) 1,3-Dichlorobenzene	9.56	146	149710	18.547	ppb	95
70) 1,4-Dichlorobenzene	9.64	146	152776	18.509	ppb	97
71) 1,2-Dichlorobenzene	10.01	146	145355	18.935	ppb	97
72) 1,2-Dibromo-3-chloropr...	10.77	75	10358	18.189	ppb	98
73) 1,2,4-Trichlorobenzene	11.59	180	95023	18.552	ppb	95
74) Hexachlorobutadiene	11.77	225	57189	18.069	ppb	99
75) Naphthalene	11.83	128	186455	18.714	ppb	99
76) 1,2,3-Trichlorobenzene	12.08	180	84682	18.968	ppb	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110515.D
 Acq On : 05 Nov 2022 03:03 pm
 Operator : VM
 Sample : 20 ppb 8260 ICAL 67-1770
 Misc : soil/water
 ALS Vial : 11 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:27 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110515.D
 Acq On : 05 Nov 2022 03:03 pm
 Operator : VM
 Sample : 20 ppb 8260 ICAL 67-1770
 Misc : soil/water
 ALS Vial : 11 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:27 2022
 Quant Method : D:\Methods\Inst13\V8110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2 TMP	Ethanol	-1.000	0.000	0.0	0	0.00
3 S	Dibromofluoromethane	10.000	10.013	-0.1	100	0.00
4 TMP	Dichlorodifluoromethane	20.000	18.434	7.8	100	-0.01
5 TMP	Chloromethane	20.000	19.301	3.5	100	-0.01
6 TMP	Vinyl chloride	20.000	18.764	6.2	100	0.00
7 TMP	Bromomethane	20.000	20.247	-1.2	100	0.00
8 TMP	Chloroethane	20.000	19.769	1.2	100	-0.01
9 TMP	Trichlorofluoromethane	20.000	19.811	0.9	100	0.00
10 TMP	2-Propanol	-1.000	0.000	0.0	0	0.00
11 TMP	Acetone	100.000	101.273	-1.3	100	0.00
12 TMP	1,1-Dichloroethene	20.000	18.770	6.2	100	-0.01
13 TMP	Hexane	20.000	19.242	3.8	100	0.00
14 TMP	Methylene chloride	20.000	20.124	-0.6	100	0.00
15 TMP	t-Butyl alcohol (TBA)	100.000	91.844	8.2	100	0.00
16 TMP	Methyl t-butyl ether (MTBE)	20.000	19.320	3.4	100	0.00
17 TMP	trans-1,2-Dichloroethene	20.000	18.363	8.2	100	0.00
18 TMP	Diisopropyl ether (DIPE)	20.000	18.760	6.2	100	0.00
19 TMP	1,1-Dichloroethane	20.000	19.223	3.9	100	0.00
20 TMP	Ethyl t-butyl ether (ETBE)	20.000	18.504	7.5	100	0.00
21 TMP	2,2-Dichloropropane	20.000	17.884	10.6	100	-0.01
22 TMP	cis-1,2-Dichloroethene	20.000	18.886	5.6	100	0.00
23 TMP	Chloroform	20.000	18.863	5.7	100	0.00
24 TMP	2-Butanone (MEK)	100.000	101.085	-1.1	100	0.00
25 TMP	t-Amyl methyl ether (TAME)	20.000	19.403	3.0	100	0.00
26 TMP	1,2-Dichloroethane (EDC)	20.000	19.800	1.0	100	-0.01
27 TMP	1,1,1-Trichloroethane	20.000	19.049	4.8	100	0.00
28 TMP	1,1-Dichloropropene	20.000	19.559	2.2	100	0.00
29 TMP	Carbon tetrachloride	20.000	18.427	7.9	100	0.00
30 S	1,2-Dichloroethane-d4	10.000	9.710	2.9	100	0.00
31 TMP	Benzene	20.000	18.539	7.3	100	0.00
32 TMP	Trichloroethene	20.000	18.164	9.2	100	0.00
33 TMP	1,2-Dichloropropane	20.000	18.917	5.4	100	0.00
34 TMP	Bromodichloromethane	20.000	19.782	1.1	100	0.00
35 S	Toluene-d8	10.000	10.093	-0.9	100	0.00
36 TMP	Dibromomethane	20.000	18.262	8.7	100	0.00
37 TMP	4-Methyl-2-pentanone	100.000	101.638	-1.6	100	0.00
38 TMP	cis-1,3-Dichloropropene	20.000	18.705	6.5	100	0.00
39 I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40 TMP	Toluene	20.000	19.521	2.4	100	0.00
41 TMP	trans-1,3-Dichloropropene	20.000	18.667	6.7	100	0.00
42 TMP	1,1,2-Trichloroethane	20.000	19.683	1.6	100	0.00
43 TMP	2-Hexanone	100.000	99.657	0.3	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110515.D
 Acq On : 05 Nov 2022 03:03 pm
 Operator : VM
 Sample : 20 ppb 8260 ICAL 67-1770
 Misc : soil/water
 ALS Vial : 11 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:27 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	20.000	18.955	5.2	100	-0.01
45 TMP Tetrachloroethene	20.000	19.433	2.8	100	0.00
46 TMP Dibromochloromethane	20.000	19.026	4.9	100	-0.01
47 TMP 1,2-Dibromoethane (EDB)	20.000	18.849	5.8	100	0.00
48 TMP Chlorobenzene	20.000	18.882	5.6	100	0.00
49 TMP Ethylbenzene	20.000	18.701	6.5	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	20.000	19.080	4.6	100	0.00
51 TMP m,p-Xylene	40.000	37.436	6.4	100	0.00
52 TMP o-Xylene	20.000	18.644	6.8	100	0.00
53 TMP Styrene	20.000	19.506	2.5	100	0.00
54 TMP Isopropylbenzene	20.000	19.488	2.6	100	0.00
55 TMP Bromoform	20.000	18.550	7.2	100	0.00
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	10.000	9.551	4.5	100	0.00
58 TMP n-Propylbenzene	20.000	19.546	2.3	100	0.00
59 TMP Bromobenzene	20.000	18.374	8.1	100	0.00
60 TMP 1,3,5-Trimethylbenzene	20.000	19.459	2.7	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	20.000	20.197	-1.0	100	0.00
62 TMP 1,2,3-Trichloropropane	20.000	18.774	6.1	100	0.00
63 TMP 2-Chlorotoluene	20.000	19.099	4.5	100	0.00
64 TMP 4-Chlorotoluene	20.000	19.208	4.0	100	0.00
65 TMP tert-Butylbenzene	20.000	18.860	5.7	100	0.00
66 TMP 1,2,4-Trimethylbenzene	20.000	19.778	1.1	100	0.00
67 TMP sec-Butylbenzene	20.000	19.304	3.5	100	0.00
68 TMP p-Isopropyltoluene	20.000	19.570	2.1	100	0.00
69 TMP 1,3-Dichlorobenzene	20.000	18.547	7.3	100	0.00
70 TMP 1,4-Dichlorobenzene	20.000	18.509	7.5	100	0.00
71 TMP 1,2-Dichlorobenzene	20.000	18.935	5.3	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	20.000	18.189	9.1	100	0.00
73 TMP 1,2,4-Trichlorobenzene	20.000	18.552	7.2	100	0.00
74 TMP Hexachlorobutadiene	20.000	18.069	9.7	100	0.00
75 TMP Naphthalene	20.000	18.714	6.4	100	0.00
76 TMP 1,2,3-Trichlorobenzene	20.000	18.968	5.2	100	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110515.D
 Acq On : 05 Nov 2022 03:03 pm
 Operator : VM
 Sample : 20 ppb 8260 ICAL 67-1770
 Misc : soil/water
 ALS Vial : 11 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:27 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2 TMP	Ethanol	0.000	0.000#	0.0	0#	0.00
3 S	Dibromofluoromethane	0.321	0.321	0.0	100	0.00
4 TMP	Dichlorodifluoromethane	0.800	0.737	7.9	100	-0.01
5 TMP	Chloromethane	0.488	0.471	3.5	100	-0.01
6 TMP	Vinyl chloride	0.510	0.478	6.3	100	0.00
7 TMP	Bromomethane	0.432	0.437	-1.2	100	0.00
8 TMP	Chloroethane	0.229	0.226	1.3	100	-0.01
9 TMP	Trichlorofluoromethane	1.123	1.112	1.0	100	0.00
10 TMP	2-Propanol	0.000	0.000	0.0	0#	0.00
11 TMP	Acetone	0.029	0.027	6.9	100	0.00
12 TMP	1,1-Dichloroethene	0.285	0.267	6.3	100	-0.01
13 TMP	Hexane	0.323	0.311	3.7	100	0.00
14 TMP	Methylene chloride	0.289	0.285	1.4	100	0.00
15 TMP	t-Butyl alcohol (TBA)	0.024	0.022#	8.3	100	0.00
16 TMP	Methyl t-butyl ether (MTBE)	0.666	0.643	3.5	100	0.00
17 TMP	trans-1,2-Dichloroethene	0.318	0.292	8.2	100	0.00
18 TMP	Diisopropyl ether (DIPE)	0.698	0.654	6.3	100	0.00
19 TMP	1,1-Dichloroethane	0.463	0.445	3.9	100	0.00
20 TMP	Ethyl t-butyl ether (ETBE)	0.258	0.238	7.8	100	0.00
21 TMP	2,2-Dichloropropane	0.258	0.217	15.9	100	-0.01
22 TMP	cis-1,2-Dichloroethene	0.333	0.315	5.4	100	0.00
23 TMP	Chloroform	0.539	0.508	5.8	100	0.00
24 TMP	2-Butanone (MEK)	0.132	0.127	3.8	100	0.00
25 TMP	t-Amyl methyl ether (TAME)	0.540	0.524	3.0	100	0.00
26 TMP	1,2-Dichloroethane (EDC)	0.465	0.401	13.8	100	-0.01
27 TMP	1,1,1-Trichloroethane	0.482	0.459	4.8	100	0.00
28 TMP	1,1-Dichloropropene	0.370	0.354	4.3	100	0.00
29 TMP	Carbon tetrachloride	0.485	0.447	7.8	100	0.00
30 S	1,2-Dichloroethane-d4	0.062	0.060	3.2	100	0.00
31 TMP	Benzene	1.118	1.037	7.2	100	0.00
32 TMP	Trichloroethene	0.367	0.333	9.3	100	0.00
33 TMP	1,2-Dichloropropane	0.241	0.228	5.4	100	0.00
34 TMP	Bromodichloromethane	0.387	0.382	1.3	100	0.00
35 S	Toluene-d8	0.954	0.963	-0.9	100	0.00
36 TMP	Dibromomethane	0.219	0.200	8.7	100	0.00
37 TMP	4-Methyl-2-pentanone	0.042	0.043	-2.4	100	0.00
38 TMP	cis-1,3-Dichloropropene	0.360	0.337	6.4	100	0.00
39 I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40 TMP	Toluene	0.907	0.782	13.8	100	0.00
41 TMP	trans-1,3-Dichloropropene	0.366	0.333	9.0	100	0.00
42 TMP	1,1,2-Trichloroethane	0.285	0.254	10.9	100	0.00
43 TMP	2-Hexanone	0.190	0.189	0.5	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110515.D
 Acq On : 05 Nov 2022 03:03 pm
 Operator : VM
 Sample : 20 ppb 8260 ICAL 67-1770
 Misc : soil/water
 ALS Vial : 11 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:27 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.457	0.433	5.3	100	-0.01
45 TMP Tetrachloroethene	0.460	0.385	16.3	100	0.00
46 TMP Dibromochloromethane	0.451	0.411	8.9	100	-0.01
47 TMP 1,2-Dibromoethane (EDB)	0.360	0.339	5.8	100	0.00
48 TMP Chlorobenzene	0.993	0.937	5.6	100	0.00
49 TMP Ethylbenzene	1.557	1.456	6.5	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.387	0.369	4.7	100	0.00
51 TMP m,p-Xylene	0.612	0.573	6.4	100	0.00
52 TMP o-Xylene	0.591	0.551	6.8	100	0.00
53 TMP Styrene	0.887	0.865	2.5	100	0.00
54 TMP Isopropylbenzene	1.435	1.399	2.5	100	0.00
55 TMP Bromoform	0.299	0.277	7.4	100	0.00
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	0.689	0.658	4.5	100	0.00
58 TMP n-Propylbenzene	2.700	2.638	2.3	100	0.00
59 TMP Bromobenzene	0.837	0.769	8.1	100	0.00
60 TMP 1,3,5-Trimethylbenzene	1.968	1.914	2.7	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.626	0.586	6.4	100	0.00
62 TMP 1,2,3-Trichloropropane	0.486	0.456#	6.2	100	0.00
63 TMP 2-Chlorotoluene	1.617	1.544	4.5	100	0.00
64 TMP 4-Chlorotoluene	1.912	1.836	4.0	100	0.00
65 TMP tert-Butylbenzene	1.952	1.841	5.7	100	0.00
66 TMP 1,2,4-Trimethylbenzene	1.996	1.974	1.1	100	0.00
67 TMP sec-Butylbenzene	2.624	2.532	3.5	100	0.00
68 TMP p-Isopropyltoluene	2.387	2.336	2.1	100	0.00
69 TMP 1,3-Dichlorobenzene	1.530	1.418	7.3	100	0.00
70 TMP 1,4-Dichlorobenzene	1.564	1.447	7.5	100	0.00
71 TMP 1,2-Dichlorobenzene	1.455	1.377	5.4	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	0.108	0.098	9.3	100	0.00
73 TMP 1,2,4-Trichlorobenzene	0.971	0.900	7.3	100	0.00
74 TMP Hexachlorobutadiene	0.600	0.542	9.7	100	0.00
75 TMP Naphthalene	1.833	1.767	3.6	100	0.00
76 TMP 1,2,3-Trichlorobenzene	0.846	0.802	5.2	100	0.00

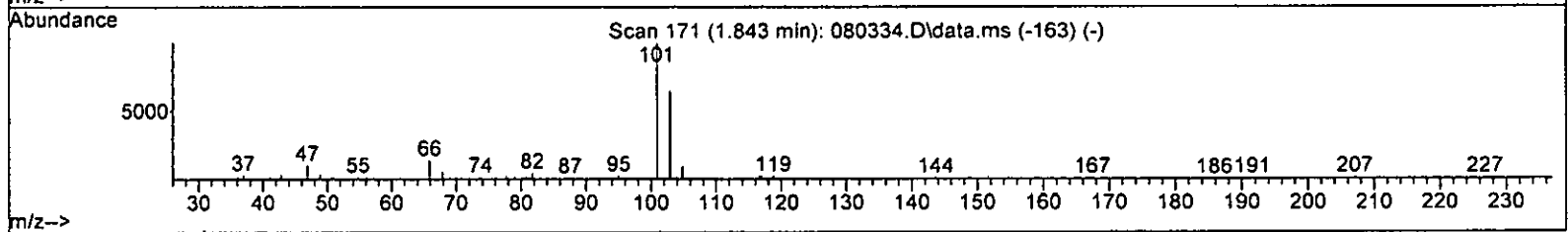
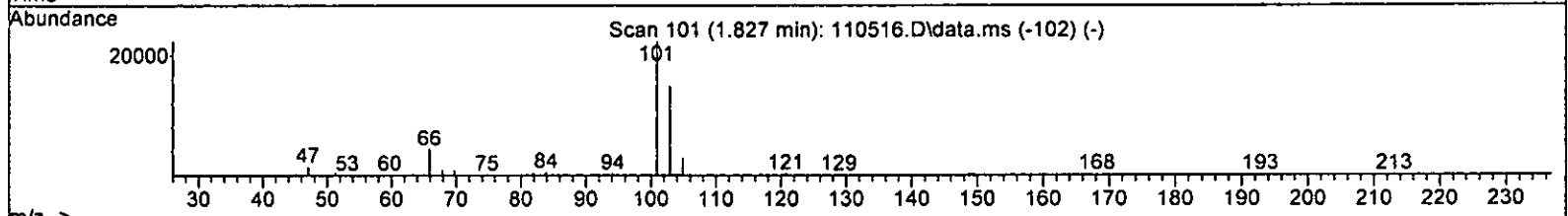
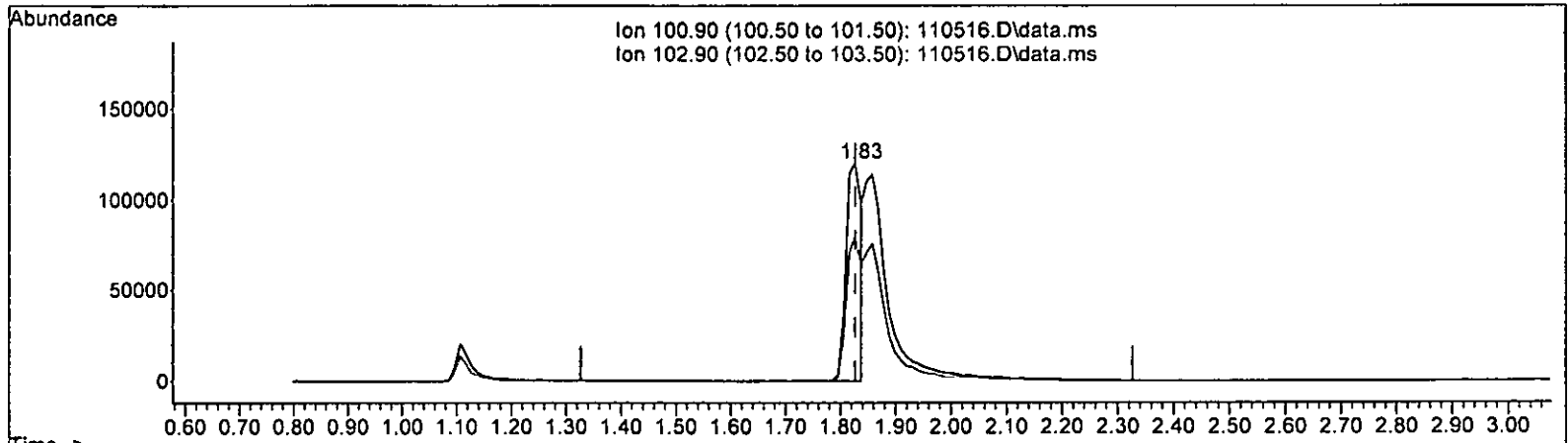
(#) = Out of Range

SPCC's out = 3 CCC's out = 0

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110516.D
 Acq On : 05 Nov 2022 03:26 pm
 Operator : VM
 Sample : 50 ppb 8260 ICAL 67-177Q
 Misc : soil/water
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:29 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110516.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.827min (-0.000) 19.654 ppb

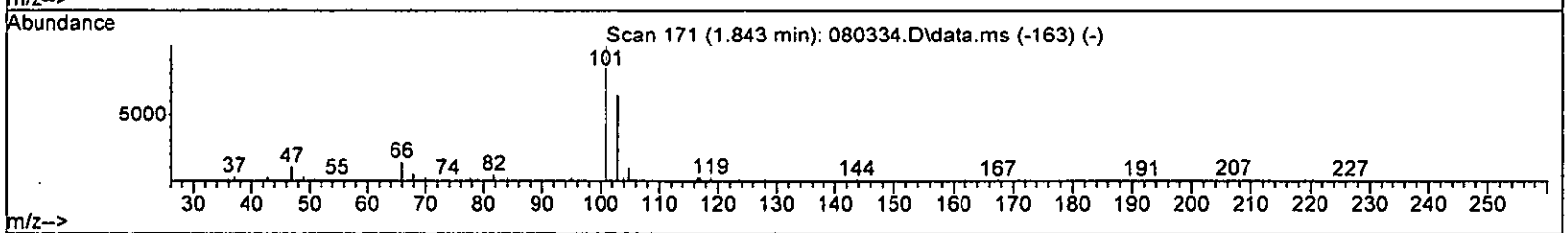
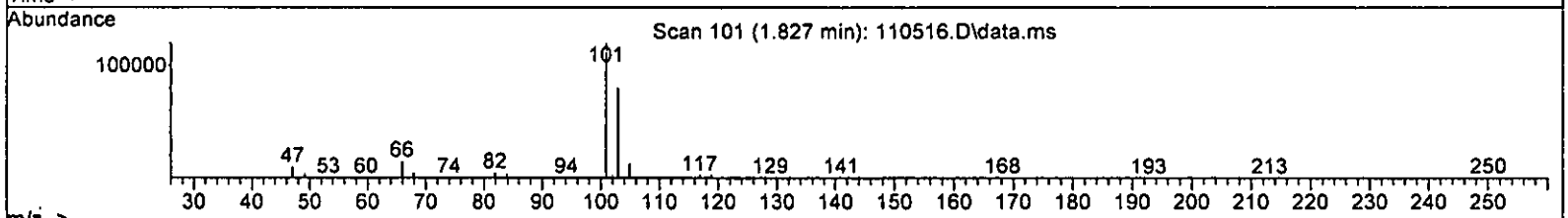
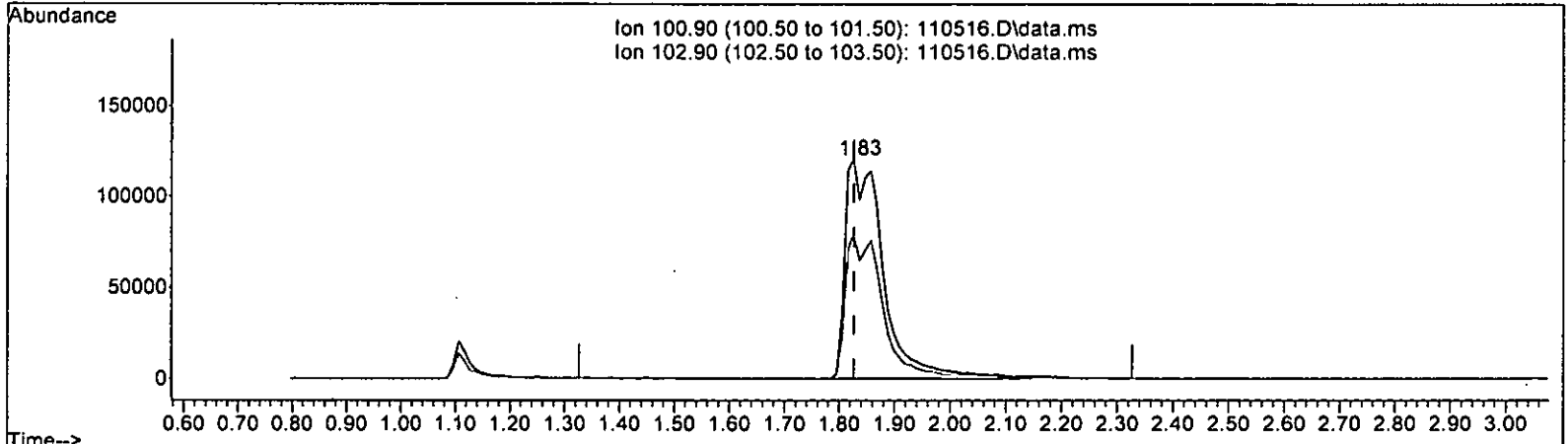
response 230351

Ion	Exp%	Act%
100.90	100.00	100.00
102.90	65.30	66.20
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110516.D
 Acq On : 05 Nov 2022 03:26 pm
 Operator : VM
 Sample : 50 ppb 8260 ICAL 67-177Q
 Misc : soil/water
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:29 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110516.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.827min (-0.000) 51.517 ppb m

response 603804

Ion	Exp%	Act%
100.90	100.00	100.00
102.90	65.30	66.20
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110516.D
 Acq On : 05 Nov 2022 03:26 pm
 Operator : VM
 Sample : 50 ppb 8260 ICAL 67-177Q
 Misc : soil/water
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:29 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	4.75	96	104359	10.000	ppb	0.00
39) Chlorobenzene-d5	7.40	117	89151	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	54409	10.000	ppb	0.00

System Monitoring Compounds						
3) Dibromofluoromethane	4.17	113	33926	10.137	ppb	0.00
Spiked Amount	10.000	Range	50 - 150	Recovery	=	101.40%
30) 1,2-Dichloroethane-d4	4.45	102	6097	9.401	ppb	0.00
Spiked Amount	10.000	Range	84 - 120	Recovery	=	94.00%
35) Toluene-d8	6.10	98	99660	10.013	ppb	0.00
Spiked Amount	10.000	Range	73 - 128	Recovery	=	100.10%
57) 4-Bromofluorobenzene	8.51	95	35686	9.519	ppb	0.00
Spiked Amount	10.000	Range	57 - 146	Recovery	=	95.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Ethanol	2.32	45	1031	No Calib		
4) Dichlorodifluoromethane	1.11	85	425263	50.935	ppb	100
5) Chloromethane	1.25	50	259514	50.941	ppb	94
6] Vinyl chloride	1.33	62	258562	48.608	ppb	93
7) Bromomethane	1.58	94	218505	48.464	ppb	98
8] Chloroethane	1.64	64	121939	51.097	ppb	95
9) Trichlorofluoromethane	1.83	101	603804m	51.517	ppb	
10) 2-Propanol	2.32	45	1031	No Calib		
11) Acetone	2.32	58	71817	256.870	ppb	94
12] 1,1-Dichloroethene	2.26	96	142681	47.989	ppb	81
13) Hexane	3.16	57	167601	49.679	ppb	99
14) Methylene chloride	2.68	84	143663	50.173	ppb	97
15) t-Butyl alcohol (TBA)	2.82	59	62329	248.840	ppb	85
16] Methyl t-butyl ether (...)	2.92	73	351150	50.539	ppb	96
17] trans-1,2-Dichloroethene	2.91	96	158198	47.600	ppb	83
18) Diisopropyl ether (DIPE)	3.35	45	386497	53.077	ppb	98
19] 1,1-Dichloroethane	3.27	63	240681	49.769	ppb	97
20) Ethyl t-butyl ether (E...)	3.65	87	134083	49.874	ppb	92
21) 2,2-Dichloropropane	3.76	77	141859	53.787	ppb	99
22] cis-1,2-Dichloroethene	3.77	96	168576	48.489	ppb	97
23) Chloroform	4.04	83	274480	48.831	ppb	98
24) 2-Butanone (MEK)	3.79	43	338019	256.148	ppb	98
25) t-Amyl methyl ether (T...)	4.61	73	296144	52.509	ppb	95
26] 1,2-Dichloroethane (EDC)	4.52	62	212803	50.632	ppb	92
27] 1,1,1-Trichloroethane	4.19	97	259725	51.653	ppb	97
28) 1,1-Dichloropropene	4.33	75	193901	50.975	ppb	96
29) Carbon tetrachloride	4.33	117	251127	49.603	ppb	100
31] Benzene	4.50	78	550546	47.173	ppb	100
32] Trichloroethene	5.05	95	177703	46.458	ppb #	76
33) 1,2-Dichloropropane	5.24	63	124438	49.488	ppb	97
34) Bromodichloromethane	5.48	83	208051	51.566	ppb	94
36) Dibromomethane	5.35	93	108653	47.441	ppb #	80

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110516.D
 Acq On : 05 Nov 2022 03:26 pm
 Operator : VM
 Sample : 50 ppb 8260 ICAL 67-177Q
 Misc : soil/water
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:29 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

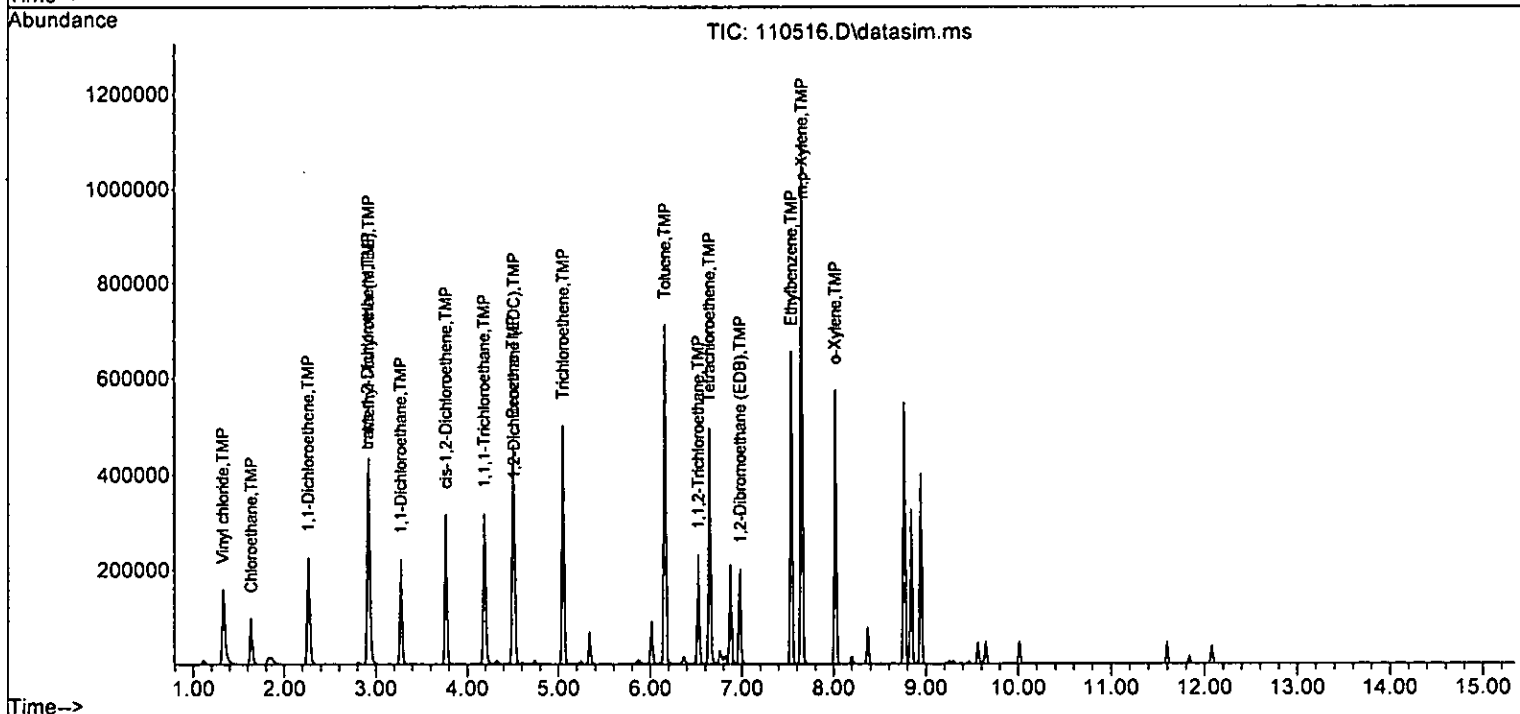
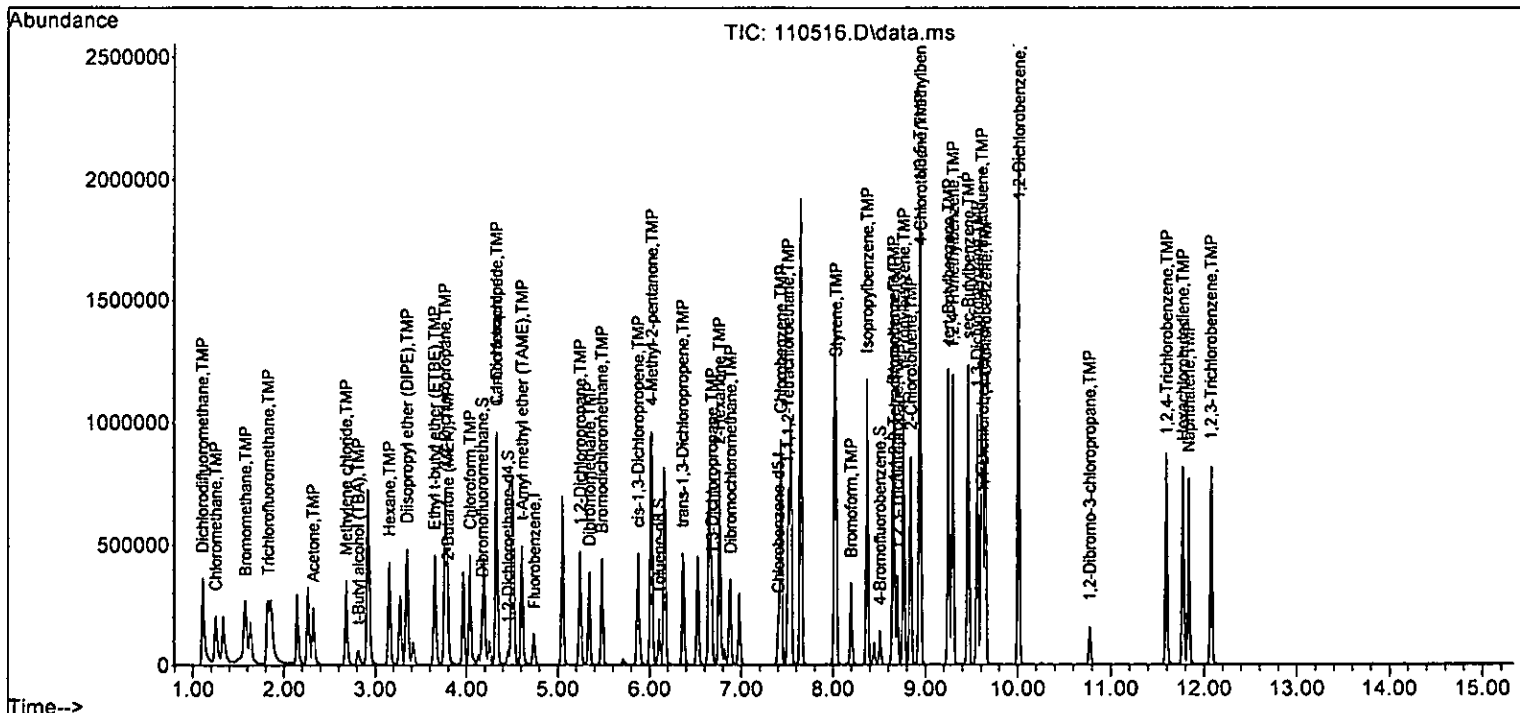
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	6.02	85	115859	261.687	ppb	96
38) cis-1,3-Dichloropropene	5.88	75	195682	52.073	ppb	94
40) Toluene	6.16	92	359717	50.375	ppb	95
41) trans-1,3-Dichloropropene	6.36	75	169634	51.247	ppb	91
42) 1,1,2-Trichloroethane	6.53	83	114906	50.226	ppb	90
43) 2-Hexanone	6.76	43	429891	254.388	ppb	96
44) 1,3-Dichloropropane	6.68	76	194481	47.712	ppb	99
45) Tetrachloroethene	6.65	164	178122	50.027	ppb	95
46) Dibromochloromethane	6.88	129	200310	50.775	ppb	99
47) 1,2-Dibromoethane (EDB)	6.98	107	156105	48.703	ppb	99
48) Chlorobenzene	7.43	112	431484	48.741	ppb	96
49) Ethylbenzene	7.54	91	664924	47.905	ppb	94
50) 1,1,1,2-Tetrachloroethane	7.51	131	179736	52.155	ppb	98
51) m,p-Xylene	7.65	106	525902	96.419	ppb	87
52) o-Xylene	8.02	106	258443	49.074	ppb	87
53) Styrene	8.03	104	406863	51.436	ppb	98
54) Isopropylbenzene	8.37	105	659285	51.519	ppb	94
55) Bromoform	8.20	173	136842	51.334	ppb	98
58) n-Propylbenzene	8.77	91	719974	49.016	ppb	90
59) Bromobenzene	8.65	156	216563	47.528	ppb #	81
60) 1,3,5-Trimethylbenzene	8.94	105	544631	50.873	ppb	93
61) 1,1,2,2-Tetrachloroethane	8.66	83	155632	49.738	ppb	97
62) 1,2,3-Trichloropropane	8.70	75	118403	44.757	ppb	93
63) 2-Chlorotoluene	8.84	91	417432	47.454	ppb	87
64) 4-Chlorotoluene	8.95	91	497012	47.777	ppb	87
65) tert-Butylbenzene	9.25	119	531939	50.088	ppb	93
66) 1,2,4-Trimethylbenzene	9.30	105	559878	51.545	ppb	93
67) sec-Butylbenzene	9.46	105	722254	50.593	ppb	94
68) p-Isopropyltoluene	9.61	119	676308	52.076	ppb	96
69) 1,3-Dichlorobenzene	9.56	146	396377	47.631	ppb	96
70) 1,4-Dichlorobenzene	9.65	146	405175	47.614	ppb	96
71) 1,2-Dichlorobenzene	10.01	146	386586	48.847	ppb	97
72) 1,2-Dibromo-3-chloropr...	10.77	75	28369	48.320	ppb	94
73) 1,2,4-Trichlorobenzene	11.60	180	267870	50.728	ppb	97
74) Hexachlorobutadiene	11.77	225	153221	46.956	ppb	96
75) Naphthalene	11.83	128	548761	51.009	ppb	99
76) 1,2,3-Trichlorobenzene	12.08	180	242270	52.636	ppb	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

1

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110516.D
 Acq On : 05 Nov 2022 03:26 pm
 Operator : VM
 Sample : 50 ppb 8260 ICAL 67-177Q
 Misc : soil/water
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:29 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110516.D
 Acq On : 05 Nov 2022 03:26 pm
 Operator : VM
 Sample : 50 ppb 8260 ICAL 67-177Q
 Misc : soil/water
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 InstName : GCMS13

Quant Time: Nov 07 15:17:29 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2 TMP	Ethanol	-1.000	0.000	0.0	0	-0.01
3 S	Dibromofluoromethane	10.000	10.137	-1.4	100	0.00
4 TMP	Dichlorodifluoromethane	50.000	50.935	-1.9	100	-0.01
5 TMP	Chloromethane	50.000	50.941	-1.9	100	-0.01
6 TMP	Vinyl chloride	50.000	48.608	2.8	100	-0.01
7 TMP	Bromomethane	50.000	48.464	3.1	100	0.00
8 TMP	Chloroethane	50.000	51.097	-2.2	100	-0.01
9 TMP	Trichlorofluoromethane	50.000	51.517	-3.0	100	0.00
10 TMP	2-Propanol	-1.000	0.000	0.0	0	-0.01
11 TMP	Acetone	250.000	256.870	-2.7	100	-0.01
12 TMP	1,1-Dichloroethene	50.000	47.989	4.0	100	-0.01
13 TMP	Hexane	50.000	49.679	0.6	100	0.00
14 TMP	Methylene chloride	50.000	50.173	-0.3	100	0.00
15 TMP	t-Butyl alcohol (TBA)	250.000	248.840	0.5	100	0.00
16 TMP	Methyl t-butyl ether (MTBE)	50.000	50.539	-1.1	100	-0.01
17 TMP	trans-1,2-Dichloroethene	50.000	47.600	4.8	100	-0.01
18 TMP	Diisopropyl ether (DIPE)	50.000	53.077	-6.2	100	0.00
19 TMP	1,1-Dichloroethane	50.000	49.769	0.5	100	0.00
20 TMP	Ethyl t-butyl ether (ETBE)	50.000	49.874	0.3	100	-0.01
21 TMP	2,2-Dichloropropane	50.000	53.787	-7.6	100	-0.01
22 TMP	cis-1,2-Dichloroethene	50.000	48.489	3.0	100	0.00
23 TMP	Chloroform	50.000	48.831	2.3	100	0.00
24 TMP	2-Butanone (MEK)	250.000	256.148	-2.5	100	0.00
25 TMP	t-Amyl methyl ether (TAME)	50.000	52.509	-5.0	100	0.00
26 TMP	1,2-Dichloroethane (EDC)	50.000	50.632	-1.3	100	-0.01
27 TMP	1,1,1-Trichloroethane	50.000	51.653	-3.3	100	0.00
28 TMP	1,1-Dichloropropene	50.000	50.975	-2.0	100	0.00
29 TMP	Carbon tetrachloride	50.000	49.603	0.8	100	0.00
30 S	1,2-Dichloroethane-d4	10.000	9.401	6.0	100	0.00
31 TMP	Benzene	50.000	47.173	5.7	100	0.00
32 TMP	Trichloroethene	50.000	46.458	7.1	100	0.00
33 TMP	1,2-Dichloropropane	50.000	49.488	1.0	100	0.00
34 TMP	Bromodichloromethane	50.000	51.566	-3.1	100	0.00
35 S	Toluene-d8	10.000	10.013	-0.1	100	0.00
36 TMP	Dibromomethane	50.000	47.441	5.1	100	0.00
37 TMP	4-Methyl-2-pentanone	250.000	261.687	-4.7	100	0.00
38 TMP	cis-1,3-Dichloropropene	50.000	52.073	-4.1	100	0.00
39 I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40 TMP	Toluene	50.000	50.375	-0.8	100	0.00
41 TMP	trans-1,3-Dichloropropene	50.000	51.247	-2.5	100	0.00
42 TMP	1,1,2-Trichloroethane	50.000	50.226	-0.5	100	0.00
43 TMP	2-Hexanone	250.000	254.388	-1.8	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110516.D
 Acq On : 05 Nov 2022 03:26 pm
 Operator : VM
 Sample : 50 ppb 8260 ICAL 67-177Q
 Misc : soil/water
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:29 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	50.000	47.712	4.6	100	0.00
45 TMP Tetrachloroethene	50.000	50.027	-0.1	100	0.00
46 TMP Dibromochloromethane	50.000	50.775	-1.5	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	50.000	48.703	2.6	100	0.00
48 TMP Chlorobenzene	50.000	48.741	2.5	100	0.00
49 TMP Ethylbenzene	50.000	47.905	4.2	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	50.000	52.155	-4.3	100	0.00
51 TMP m,p-Xylene	100.000	96.419	3.6	100	0.00
52 TMP o-Xylene	50.000	49.074	1.9	100	0.00
53 TMP Styrene	50.000	51.436	-2.9	100	0.00
54 TMP Isopropylbenzene	50.000	51.519	-3.0	100	0.00
55 TMP Bromoform	50.000	51.334	-2.7	100	0.00
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	10.000	9.519	4.8	100	0.00
58 TMP n-Propylbenzene	50.000	49.016	2.0	100	0.00
59 TMP Bromobenzene	50.000	47.528	4.9	100	0.00
60 TMP 1,3,5-Trimethylbenzene	50.000	50.873	-1.7	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	50.000	49.738	0.5	100	0.00
62 TMP 1,2,3-Trichloropropane	50.000	44.757	10.5	100	0.00
63 TMP 2-Chlorotoluene	50.000	47.454	5.1	100	0.00
64 TMP 4-Chlorotoluene	50.000	47.777	4.4	100	0.00
65 TMP tert-Butylbenzene	50.000	50.088	-0.2	100	0.00
66 TMP 1,2,4-Trimethylbenzene	50.000	51.545	-3.1	100	0.00
67 TMP sec-Butylbenzene	50.000	50.593	-1.2	100	0.00
68 TMP p-Isopropyltoluene	50.000	52.076	-4.2	100	0.00
69 TMP 1,3-Dichlorobenzene	50.000	47.631	4.7	100	0.00
70 TMP 1,4-Dichlorobenzene	50.000	47.614	4.8	100	0.00
71 TMP 1,2-Dichlorobenzene	50.000	48.847	2.3	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	50.000	48.320	3.4	100	0.00
73 TMP 1,2,4-Trichlorobenzene	50.000	50.728	-1.5	100	0.00
74 TMP Hexachlorobutadiene	50.000	46.956	6.1	100	0.00
75 TMP Naphthalene	50.000	51.009	-2.0	100	0.00
76 TMP 1,2,3-Trichlorobenzene	50.000	52.636	-5.3	100	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110516.D
 Acq On : 05 Nov 2022 03:26 pm
 Operator : VM
 Sample : 50 ppb 8260 ICAL 67-177Q
 Misc : soil/water
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:29 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2 TMP	Ethanol	0.000	0.000#	0.0	0#	-0.01
3 S	Dibromofluoromethane	0.321	0.325	-1.2	100	0.00
4 TMP	Dichlorodifluoromethane	0.800	0.815	-1.9	100	-0.01
5 TMP	Chloromethane	0.488	0.497	-1.8	100	-0.01
6 TMP	Vinyl chloride	0.510	0.496	2.7	100	-0.01
7 TMP	Bromomethane	0.432	0.419	3.0	100	0.00
8 TMP	Chloroethane	0.229	0.234	-2.2	100	-0.01
9 TMP	Trichlorofluoromethane	1.123	1.157	-3.0	100	0.00
10 TMP	2-Propanol	0.000	0.000	0.0	0#	-0.01
11 TMP	Acetone	0.029	0.028	3.4	100	-0.01
12 TMP	1,1-Dichloroethene	0.285	0.273	4.2	100	-0.01
13 TMP	Hexane	0.323	0.321	0.6	100	0.00
14 TMP	Methylene chloride	0.289	0.275	4.8	100	0.00
15 TMP	t-Butyl alcohol (TBA)	0.024	0.024#	0.0	100	0.00
16 TMP	Methyl t-butyl ether (MTBE)	0.666	0.673	-1.1	100	-0.01
17 TMP	trans-1,2-Dichloroethene	0.318	0.303	4.7	100	-0.01
18 TMP	Diisopropyl ether (DIPE)	0.698	0.741	-6.2	100	0.00
19 TMP	1,1-Dichloroethane	0.463	0.461	0.4	100	0.00
20 TMP	Ethyl t-butyl ether (ETBE)	0.258	0.257	0.4	100	-0.01
21 TMP	2,2-Dichloropropane	0.258	0.272	-5.4	100	-0.01
22 TMP	cis-1,2-Dichloroethene	0.333	0.323	3.0	100	0.00
23 TMP	Chloroform	0.539	0.526	2.4	100	0.00
24 TMP	2-Butanone (MEK)	0.132	0.130	1.5	100	0.00
25 TMP	t-Amyl methyl ether (TAME)	0.540	0.568	-5.2	100	0.00
26 TMP	1,2-Dichloroethane (EDC)	0.465	0.408	12.3	100	-0.01
27 TMP	1,1,1-Trichloroethane	0.482	0.498	-3.3	100	0.00
28 TMP	1,1-Dichloropropene	0.370	0.372	-0.5	100	0.00
29 TMP	Carbon tetrachloride	0.485	0.481	0.8	100	0.00
30 S	1,2-Dichloroethane-d4	0.062	0.058	6.5	100	0.00
31 TMP	Benzene	1.118	1.055	5.6	100	0.00
32 TMP	Trichloroethene	0.367	0.341	7.1	100	0.00
33 TMP	1,2-Dichloropropane	0.241	0.238	1.2	100	0.00
34 TMP	Bromodichloromethane	0.387	0.399	-3.1	100	0.00
35 S	Toluene-d8	0.954	0.955	-0.1	100	0.00
36 TMP	Dibromomethane	0.219	0.208	5.0	100	0.00
37 TMP	4-Methyl-2-pentanone	0.042	0.044	-4.8	100	0.00
38 TMP	cis-1,3-Dichloropropene	0.360	0.375	-4.2	100	0.00
39 I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40 TMP	Toluene	0.907	0.807	11.0	100	0.00
41 TMP	trans-1,3-Dichloropropene	0.366	0.381	-4.1	100	0.00
42 TMP	1,1,2-Trichloroethane	0.285	0.258	9.5	100	0.00
43 TMP	2-Hexanone	0.190	0.193	-1.6	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110516.D
 Acq On : 05 Nov 2022 03:26 pm
 Operator : VM
 Sample : 50 ppb 8260 ICAL 67-177Q
 Misc : soil/water
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:29 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.457	0.436	4.6	100	0.00
45 TMP Tetrachloroethene	0.460	0.400	13.0	100	0.00
46 TMP Dibromochloromethane	0.451	0.449	0.4	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	0.360	0.350	2.8	100	0.00
48 TMP Chlorobenzene	0.993	0.968	2.5	100	0.00
49 TMP Ethylbenzene	1.557	1.492	4.2	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.387	0.403	-4.1	100	0.00
51 TMP m,p-Xylene	0.612	0.590	3.6	100	0.00
52 TMP o-Xylene	0.591	0.580	1.9	100	0.00
53 TMP Styrene	0.887	0.913	-2.9	100	0.00
54 TMP Isopropylbenzene	1.435	1.479	-3.1	100	0.00
55 TMP Bromoform	0.299	0.307	-2.7	100	0.00
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	0.689	0.656	4.8	100	0.00
58 TMP n-Propylbenzene	2.700	2.647	2.0	100	0.00
59 TMP Bromobenzene	0.837	0.796	4.9	100	0.00
60 TMP 1,3,5-Trimethylbenzene	1.968	2.002	-1.7	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.626	0.572	8.6	100	0.00
62 TMP 1,2,3-Trichloropropane	0.486	0.435#	10.5	100	0.00
63 TMP 2-Chlorotoluene	1.617	1.534	5.1	100	0.00
64 TMP 4-Chlorotoluene	1.912	1.827	4.4	100	0.00
65 TMP tert-Butylbenzene	1.952	1.955	-0.2	100	0.00
66 TMP 1,2,4-Trimethylbenzene	1.996	2.058	-3.1	100	0.00
67 TMP sec-Butylbenzene	2.624	2.655	-1.2	100	0.00
68 TMP p-Isopropyltoluene	2.387	2.486	-4.1	100	0.00
69 TMP 1,3-Dichlorobenzene	1.530	1.457	4.8	100	0.00
70 TMP 1,4-Dichlorobenzene	1.564	1.489	4.8	100	0.00
71 TMP 1,2-Dichlorobenzene	1.455	1.421	2.3	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	0.108	0.104	3.7	100	0.00
73 TMP 1,2,4-Trichlorobenzene	0.971	0.985	-1.4	100	0.00
74 TMP Hexachlorobutadiene	0.600	0.563	6.2	100	0.00
75 TMP Naphthalene	1.833	2.017	-10.0	100	0.00
76 TMP 1,2,3-Trichlorobenzene	0.846	0.891	-5.3	100	0.00

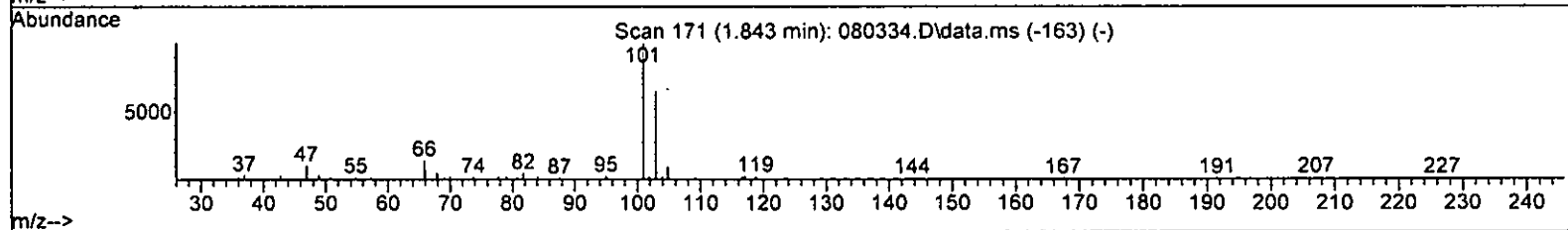
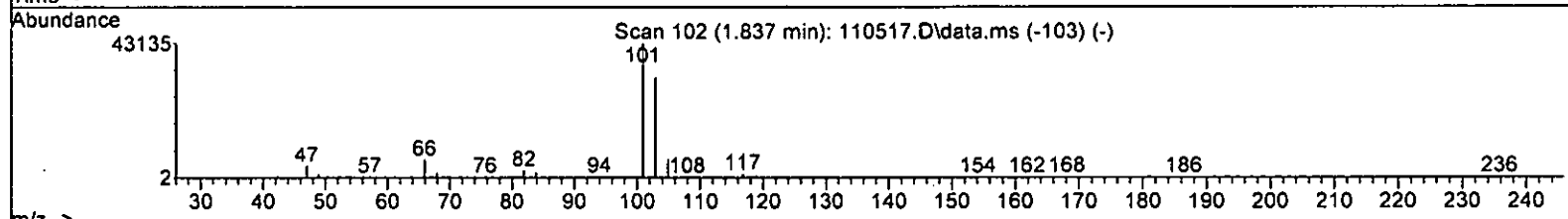
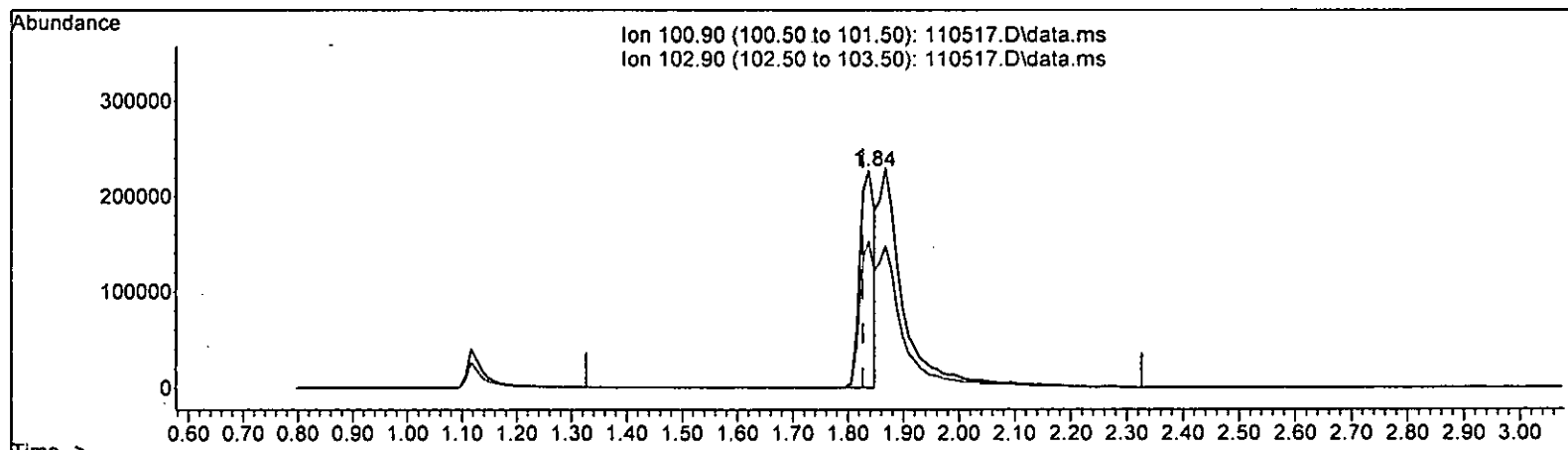
(#) = Out of Range

SPCC's out = 3 CCC's out = 0

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110517.D
 Acq On : 05 Nov 2022 03:49 pm
 Operator : VM
 Sample : 100 ppb 8260 ICAL 67-177S
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:31 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110517.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.837min (+ 0.010) 35.758 ppb

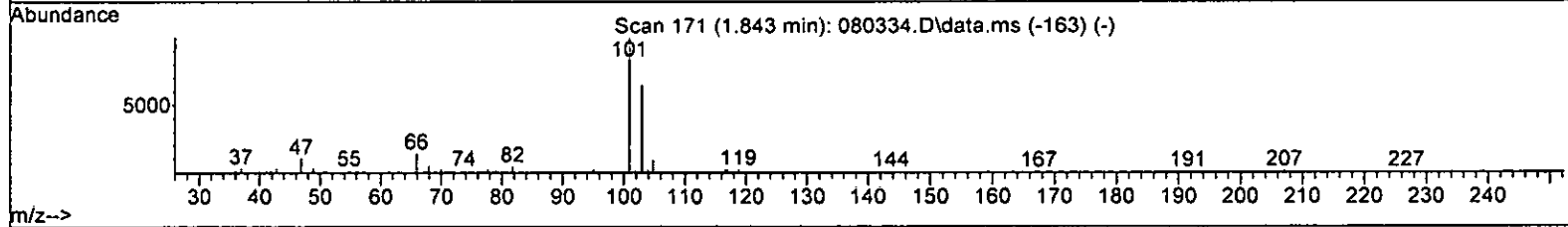
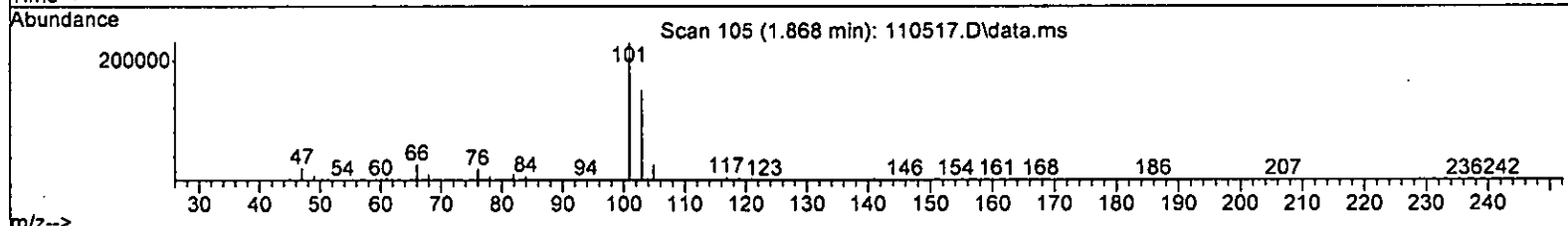
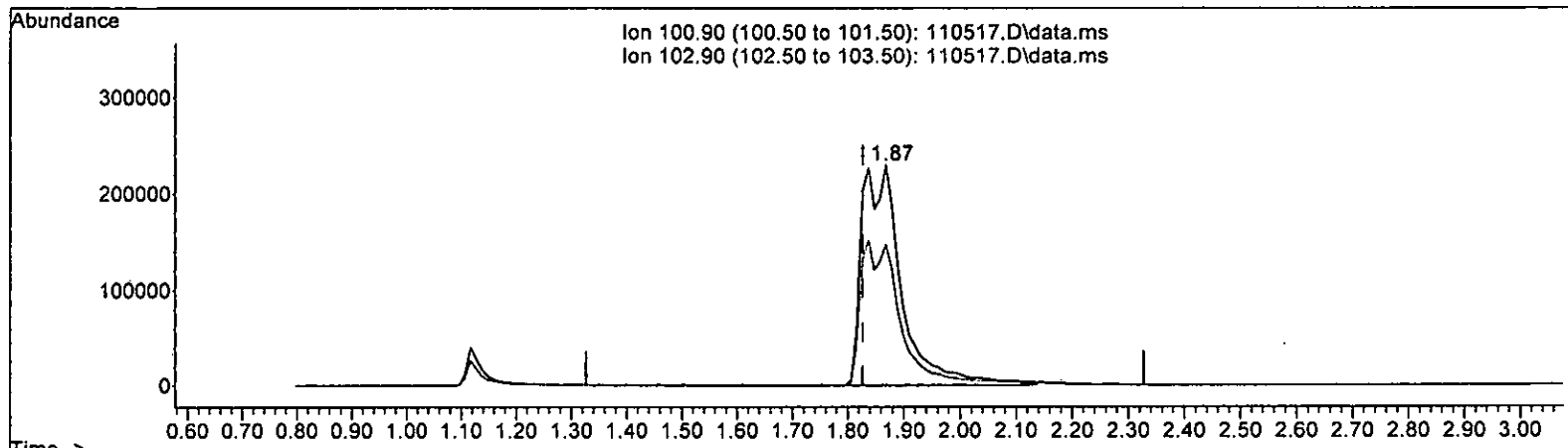
response 422448

Ion	Exp%	Act%
100.90	100.00	100.00
102.90	65.30	67.17
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110517.D
 Acq On : 05 Nov 2022 03:49 pm
 Operator : VM
 Sample : 100 ppb 8260 ICAL 67-177S
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:31 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110517.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.868min (+ 0.041) 100.168 ppb m

response 1183404

Ion	Exp%	Act%
100.90	100.00	100.00
102.90	65.30	64.39
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110517.D
 Acq On : 05 Nov 2022 03:49 pm
 Operator : VM
 Sample : 100 ppb 8260 ICAL 67-177S
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:31 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	4.75	96	105192	10.000	ppb	0.00
39) Chlorobenzene-d5	7.40	117	89610	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	53646	10.000	ppb	# 0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.17	113	33932	10.059	ppb	0.00
Spiked Amount	10.000	Range 50 - 150	Recovery	=	100.60%	
30) 1,2-Dichloroethane-d4	4.45	102	6377	9.755	ppb	0.00
Spiked Amount	10.000	Range 84 - 120	Recovery	=	97.50%	
35) Toluene-d8	6.10	98	103154	10.282	ppb	0.00
Spiked Amount	10.000	Range 73 - 128	Recovery	=	102.80%	
57) 4-Bromofluorobenzene	8.51	95	35439	9.587	ppb	0.00
Spiked Amount	10.000	Range 57 - 146	Recovery	=	95.90%	
Target Compounds						
						Qvalue
2) Ethanol	2.33	45	1809	No Calib		
4) Dichlorodifluoromethane	1.12	85	860744	102.278	ppb	99
5) Chloromethane	1.26	50	514764	100.244	ppb	94
6] Vinyl chloride	1.34	62	502810	93.776	ppb	92
7) Bromomethane	1.59	94	428185	94.218	ppb	99
8] Chloroethane	1.65	64	236636	98.373	ppb	98
9) Trichlorofluoromethane	1.87	101	1183404m	100.168	ppb	
10) 2-Propanol	2.33	45	1809	No Calib	#	
11) Acetone	2.33	58	141862	487.278	ppb	89
12] 1,1-Dichloroethene	2.27	96	278841	93.041	ppb	82
13) Hexane	3.16	57	334108	98.249	ppb	99
14) Methylene chloride	2.69	84	284355	99.445	ppb	98
15) t-Butyl alcohol (TBA)	2.82	59	128300	508.164	ppb	89
16] Methyl t-butyl ether (...)	2.93	73	703749	100.484	ppb	99
17] trans-1,2-Dichloroethene	2.92	96	309906	92.509	ppb	89
18) Diisopropyl ether (DIPE)	3.35	45	699074	95.242	ppb	98
19] 1,1-Dichloroethane	3.28	63	474578	97.358	ppb	93
20) Ethyl t-butyl ether (E...)	3.66	87	274496	101.295	ppb	95
21) 2,2-Dichloropropane	3.77	77	278976	99.759	ppb	98
22] cis-1,2-Dichloroethene	3.77	96	329614	94.059	ppb	93
23) Chloroform	4.04	83	543954	96.005	ppb	98
24) 2-Butanone (MEK)	3.79	43	670030	497.204	ppb	97
25) t-Amyl methyl ether (T...)	4.61	73	611205	107.515	ppb	95
26] 1,2-Dichloroethane (EDC)	4.53	62	413759	98.390	ppb	97
27] 1,1,1-Trichloroethane	4.19	97	527092	103.996	ppb	96
28) 1,1-Dichloropropene	4.33	75	384929	99.233	ppb	98
29) Carbon tetrachloride	4.33	117	524354	102.752	ppb	99
31] Benzene	4.50	78	1068708	90.846	ppb	96
32] Trichloroethene	5.05	95	353871	91.783	ppb	87
33) 1,2-Dichloropropane	5.24	63	247385	97.604	ppb	97
34) Bromodichloromethane	5.48	83	414881	102.016	ppb	93
36) Dibromomethane	5.35	93	212727	92.148	ppb	# 82

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110517.D
 Acq On : 05 Nov 2022 03:49 pm
 Operator : VM
 Sample : 100 ppb 8260 ICAL 67-177S
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS13

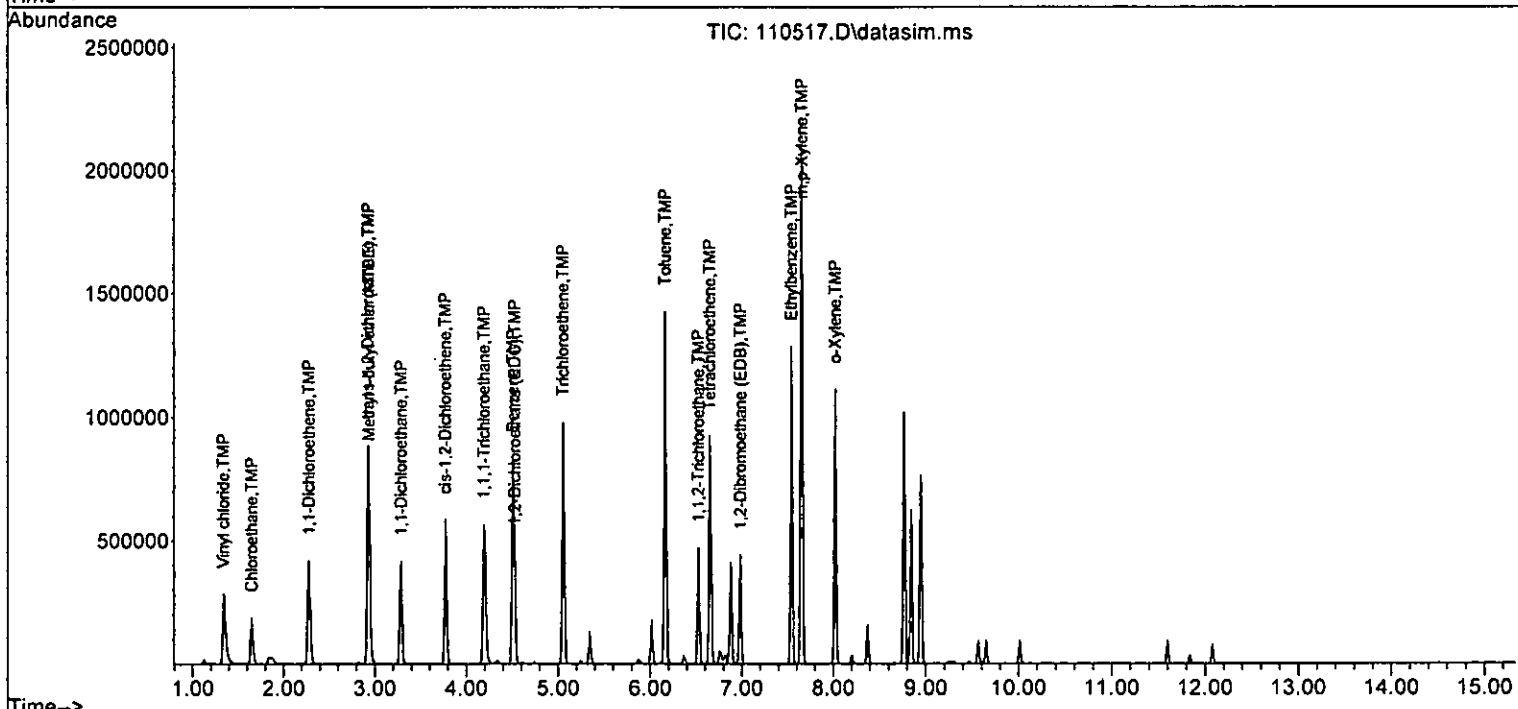
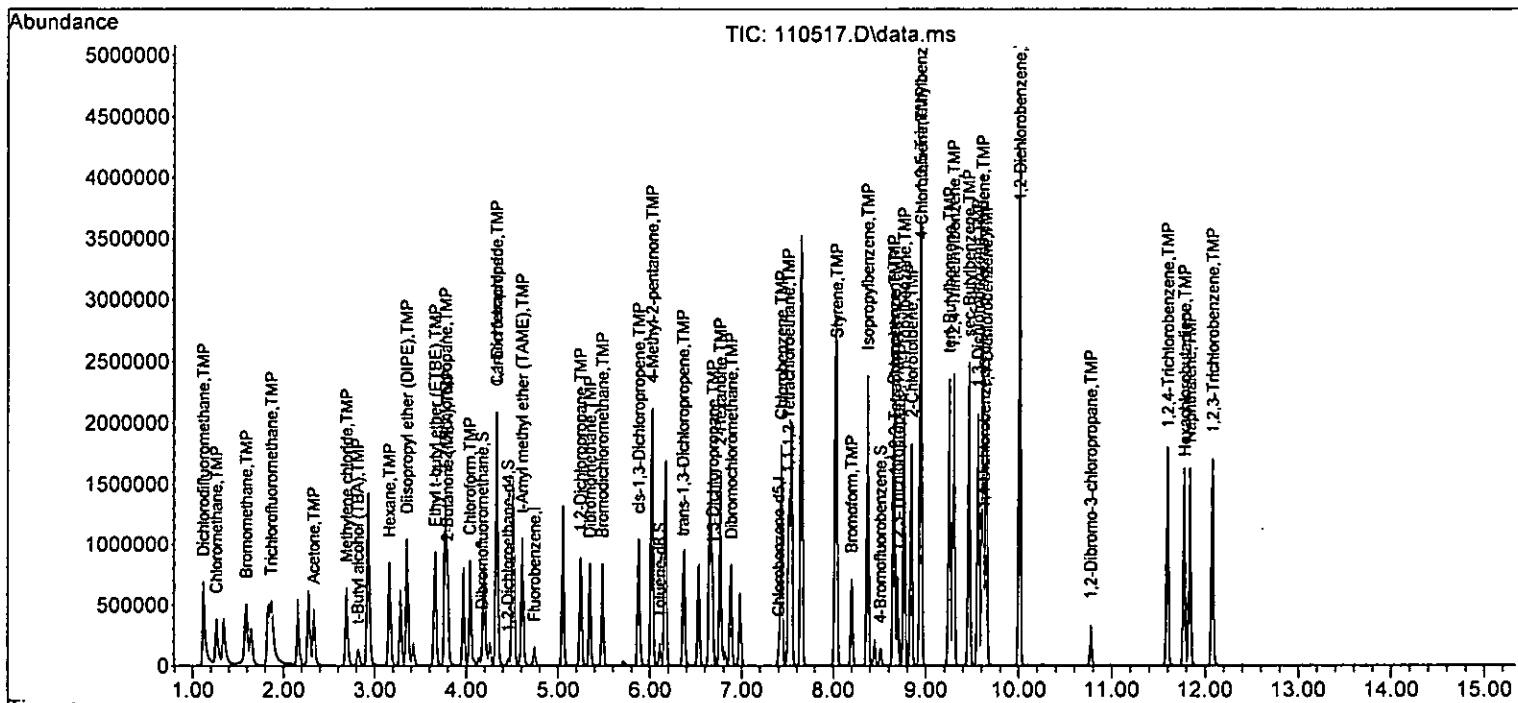
Quant Time: Nov 07 15:17:31 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	6.02	85	233727	523.731	ppb	92
38) cis-1,3-Dichloropropene	5.88	75	414829	109.515	ppb	93
40] Toluene	6.16	92	714832	99.536	ppb	96
41) trans-1,3-Dichloropropene	6.36	75	362461	102.439	ppb	90
42] 1,1,2-Trichloroethane	6.53	83	226873	99.549	ppb	94
43) 2-Hexanone	6.76	43	839889	494.459	ppb	96
44) 1,3-Dichloropropane	6.68	76	383337	93.563	ppb	100
45] Tetrachloroethene	6.65	164	362286	99.678	ppb	97
46) Dibromochloromethane	6.88	129	417420	101.492	ppb	100
47] 1,2-Dibromoethane (EDB)	6.98	107	312463	96.985	ppb	99
48) Chlorobenzene	7.43	112	877400	98.605	ppb	96
49] Ethylbenzene	7.54	91	1307177	93.694	ppb	94
50) 1,1,1,2-Tetrachloroethane	7.51	131	368821	106.474	ppb	97
51] m,p-Xylene	7.65	106	1043566	190.347	ppb	86
52] o-Xylene	8.02	106	515865	97.451	ppb	86
53) Styrene	8.03	104	814604	102.456	ppb	98
54) Isopropylbenzene	8.37	105	1338012	104.021	ppb	93
55) Bromoform	8.20	173	289069	107.884	ppb	98
58) n-Propylbenzene	8.77	91	1405896	97.074	ppb	89
59) Bromobenzene	8.65	156	448216	99.767	ppb #	79
60) 1,3,5-Trimethylbenzene	8.94	105	1079379	102.257	ppb	90
61) 1,1,2,2-Tetrachloroethane	8.66	83	300453	98.329	ppb	98
62) 1,2,3-Trichloropropane	8.70	75	232114	88.989	ppb	93
63) 2-Chlorotoluene	8.84	91	814498	93.910	ppb	86
64) 4-Chlorotoluene	8.95	91	971587	94.725	ppb	85
65) tert-Butylbenzene	9.25	119	1090813	104.174	ppb	91
66) 1,2,4-Trimethylbenzene	9.30	105	1124498	105.000	ppb	92
67) sec-Butylbenzene	9.46	105	1456640	103.486	ppb	92
68) p-Isopropyltoluene	9.61	119	1391289	108.654	ppb	96
69) 1,3-Dichlorobenzene	9.56	146	811824	98.940	ppb	97
70) 1,4-Dichlorobenzene	9.65	146	821584	97.921	ppb	96
71) 1,2-Dichlorobenzene	10.01	146	788041	100.988	ppb	97
72) 1,2-Dibromo-3-chloropr...	10.77	75	59276	102.399	ppb	92
73) 1,2,4-Trichlorobenzene	11.60	180	560478	107.651	ppb	97
74) Hexachlorobutadiene	11.78	225	317726	98.756	ppb	98
75) Naphthalene	11.83	128	1163987	102.651	ppb	99
76) 1,2,3-Trichlorobenzene	12.08	180	506400	111.587	ppb	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110517.D
 Acq On : 05 Nov 2022 03:49 pm
 Operator : VM
 Sample : 100 ppb 8260 ICAL 67-177S
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:31 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110517.D
 Acq On : 05 Nov 2022 03:49 pm
 Operator : VM
 Sample : 100 ppb 8260 ICAL 67-1775
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:31 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2 TMP	Ethanol	-1.000	0.000	0.0	0	0.00
3 S	Dibromofluoromethane	10.000	10.059	-0.6	100	0.00
4 TMP	Dichlorodifluoromethane	100.000	102.278	-2.3	100	0.00
5 TMP	Chloromethane	100.000	100.244	-0.2	100	0.00
6 TMP	Vinyl chloride	100.000	93.776	6.2	100	0.00
7 TMP	Bromomethane	100.000	94.218	5.8	100	0.01
8 TMP	Chloroethane	100.000	98.373	1.6	100	0.00
9 TMP	Trichlorofluoromethane	100.000	100.168	-0.2	100	0.04
10 TMP	2-Propanol	-1.000	0.000	0.0	0	0.00
11 TMP	Acetone	500.000	487.278	2.5	100	0.00
12 TMP	1,1-Dichloroethene	100.000	93.041	7.0	100	0.00
13 TMP	Hexane	100.000	98.249	1.8	100	0.00
14 TMP	Methylene chloride	100.000	99.445	0.6	100	0.00
15 TMP	t-Butyl alcohol (TBA)	500.000	508.164	-1.6	100	0.00
16 TMP	Methyl t-butyl ether (MTBE)	100.000	100.484	-0.5	100	0.00
17 TMP	trans-1,2-Dichloroethene	100.000	92.509	7.5	100	0.00
18 TMP	Diisopropyl ether (DIPE)	100.000	95.242	4.8	100	0.00
19 TMP	1,1-Dichloroethane	100.000	97.358	2.6	100	0.00
20 TMP	Ethyl t-butyl ether (ETBE)	100.000	101.295	-1.3	100	0.00
21 TMP	2,2-Dichloropropane	100.000	99.759	0.2	100	0.00
22 TMP	cis-1,2-Dichloroethene	100.000	94.059	5.9	100	0.00
23 TMP	Chloroform	100.000	96.005	4.0	100	0.00
24 TMP	2-Butanone (MEK)	500.000	497.204	0.6	100	0.00
25 TMP	t-Amyl methyl ether (TAME)	100.000	107.515	-7.5	100	0.00
26 TMP	1,2-Dichloroethane (EDC)	100.000	98.390	1.6	100	0.00
27 TMP	1,1,1-Trichloroethane	100.000	103.996	-4.0	100	0.00
28 TMP	1,1-Dichloropropene	100.000	99.233	0.8	100	0.00
29 TMP	Carbon tetrachloride	100.000	102.752	-2.8	100	0.00
30 S	1,2-Dichloroethane-d4	10.000	9.755	2.4	100	0.00
31 TMP	Benzene	100.000	90.846	9.2	100	0.00
32 TMP	Trichloroethene	100.000	91.783	8.2	100	0.00
33 TMP	1,2-Dichloropropane	100.000	97.604	2.4	100	0.00
34 TMP	Bromodichloromethane	100.000	102.016	-2.0	100	0.00
35 S	Toluene-d8	10.000	10.282	-2.8	100	0.00
36 TMP	Dibromomethane	100.000	92.148	7.9	100	0.00
37 TMP	4-Methyl-2-pentanone	500.000	523.731	-4.7	100	0.00
38 TMP	cis-1,3-Dichloropropene	100.000	109.515	-9.5	100	0.00
39 I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40 TMP	Toluene	100.000	99.536	0.5	100	0.00
41 TMP	trans-1,3-Dichloropropene	100.000	102.439	-2.4	100	0.00
42 TMP	1,1,2-Trichloroethane	100.000	99.549	0.5	100	0.00
43 TMP	2-Hexanone	500.000	494.459	1.1	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110517.D
 Acq On : 05 Nov 2022 03:49 pm
 Operator : VM
 Sample : 100 ppb 8260 ICAL 67-177S
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:31 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	100.000	93.563	6.4	100	0.00
45 TMP Tetrachloroethene	100.000	99.678	0.3	100	0.00
46 TMP Dibromochloromethane	100.000	101.492	-1.5	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	100.000	96.985	3.0	100	0.00
48 TMP Chlorobenzene	100.000	98.605	1.4	100	0.00
49 TMP Ethylbenzene	100.000	93.694	6.3	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	100.000	106.474	-6.5	100	0.00
51 TMP m,p-Xylene	200.000	190.347	4.8	100	0.00
52 TMP o-Xylene	100.000	97.451	2.5	100	0.00
53 TMP Styrene	100.000	102.456	-2.5	100	0.00
54 TMP Isopropylbenzene	100.000	104.021	-4.0	100	0.00
55 TMP Bromoform	100.000	107.884	-7.9	100	0.00
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	10.000	9.587	4.1	100	0.00
58 TMP n-Propylbenzene	100.000	97.074	2.9	100	0.00
59 TMP Bromobenzene	100.000	99.767	0.2	100	0.00
60 TMP 1,3,5-Trimethylbenzene	100.000	102.257	-2.3	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	100.000	98.329	1.7	100	0.00
62 TMP 1,2,3-Trichloropropane	100.000	88.989	11.0	100	0.00
63 TMP 2-Chlorotoluene	100.000	93.910	6.1	100	0.00
64 TMP 4-Chlorotoluene	100.000	94.725	5.3	100	0.00
65 TMP tert-Butylbenzene	100.000	104.174	-4.2	100	0.00
66 TMP 1,2,4-Trimethylbenzene	100.000	105.000	-5.0	100	0.00
67 TMP sec-Butylbenzene	100.000	103.486	-3.5	100	0.00
68 TMP p-Isopropyltoluene	100.000	108.654	-8.7	100	0.00
69 TMP 1,3-Dichlorobenzene	100.000	98.940	1.1	100	0.00
70 TMP 1,4-Dichlorobenzene	100.000	97.921	2.1	100	0.00
71 TMP 1,2-Dichlorobenzene	100.000	100.988	-1.0	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	100.000	102.399	-2.4	100	0.00
73 TMP 1,2,4-Trichlorobenzene	100.000	107.651	-7.7	100	0.00
74 TMP Hexachlorobutadiene	100.000	98.756	1.2	100	0.00
75 TMP Naphthalene	100.000	102.651	-2.7	100	0.00
76 TMP 1,2,3-Trichlorobenzene	100.000	111.587	-11.6	100	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110517.D
 Acq On : 05 Nov 2022 03:49 pm
 Operator : VM
 Sample : 100 ppb 8260 ICAL 67-1775
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:31 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I Fluorobenzene	1.000	1.000	0.0	100	0.00
2 TMP Ethanol	0.000	0.000#	0.0	0#	0.00
3 S Dibromofluoromethane	0.321	0.323	-0.6	100	0.00
4 TMP Dichlorodifluoromethane	0.800	0.818	-2.2	100	0.00
5 TMP Chloromethane	0.488	0.489	-0.2	100	0.00
6 TMP Vinyl chloride	0.510	0.478	6.3	100	0.00
7 TMP Bromomethane	0.432	0.407	5.8	100	0.01
8 TMP Chloroethane	0.229	0.225	1.7	100	0.00
9 TMP Trichlorofluoromethane	1.123	1.125	-0.2	100	0.04
10 TMP 2-Propanol	0.000	0.000	0.0	0#	0.00
11 TMP Acetone	0.029	0.027	6.9	100	0.00
12 TMP 1,1-Dichloroethene	0.285	0.265	7.0	100	0.00
13 TMP Hexane	0.323	0.318	1.5	100	0.00
14 TMP Methylene chloride	0.289	0.270	6.6	100	0.00
15 TMP t-Butyl alcohol (TBA)	0.024	0.024#	0.0	100	0.00
16 TMP Methyl t-butyl ether (MTBE)	0.666	0.669	-0.5	100	0.00
17 TMP trans-1,2-Dichloroethene	0.318	0.295	7.2	100	0.00
18 TMP Diisopropyl ether (DIPE)	0.698	0.665	4.7	100	0.00
19 TMP 1,1-Dichloroethane	0.463	0.451	2.6	100	0.00
20 TMP Ethyl t-butyl ether (ETBE)	0.258	0.261	-1.2	100	0.00
21 TMP 2,2-Dichloropropane	0.258	0.265	-2.7	100	0.00
22 TMP cis-1,2-Dichloroethene	0.333	0.313	6.0	100	0.00
23 TMP Chloroform	0.539	0.517	4.1	100	0.00
24 TMP 2-Butanone (MEK)	0.132	0.127	3.8	100	0.00
25 TMP t-Amyl methyl ether (TAME)	0.540	0.581	-7.6	100	0.00
26 TMP 1,2-Dichloroethane (EDC)	0.465	0.393	15.5	100	0.00
27 TMP 1,1,1-Trichloroethane	0.482	0.501	-3.9	100	0.00
28 TMP 1,1-Dichloropropene	0.370	0.366	1.1	100	0.00
29 TMP Carbon tetrachloride	0.485	0.498	-2.7	100	0.00
30 S 1,2-Dichloroethane-d4	0.062	0.061	1.6	100	0.00
31 TMP Benzene	1.118	1.016	9.1	100	0.00
32 TMP Trichloroethene	0.367	0.336	8.4	100	0.00
33 TMP 1,2-Dichloropropane	0.241	0.235	2.5	100	0.00
34 TMP Bromodichloromethane	0.387	0.394	-1.8	100	0.00
35 S Toluene-d8	0.954	0.981	-2.8	100	0.00
36 TMP Dibromomethane	0.219	0.202	7.8	100	0.00
37 TMP 4-Methyl-2-pentanone	0.042	0.044	-4.8	100	0.00
38 TMP cis-1,3-Dichloropropene	0.360	0.394	-9.4	100	0.00
39 I Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40 TMP Toluene	0.907	0.798	12.0	100	0.00
41 TMP trans-1,3-Dichloropropene	0.366	0.404	-10.4	100	0.00
42 TMP 1,1,2-Trichloroethane	0.285	0.253	11.2	100	0.00
43 TMP 2-Hexanone	0.190	0.187	1.6	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110517.D
 Acq On : 05 Nov 2022 03:49 pm
 Operator : VM
 Sample : 100 ppb 8260 ICAL 67-1775
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:31 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.457	0.428	6.3	100	0.00
45 TMP Tetrachloroethene	0.460	0.404	12.2	100	0.00
46 TMP Dibromochloromethane	0.451	0.466	-3.3	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	0.360	0.349	3.1	100	0.00
48 TMP Chlorobenzene	0.993	0.979	1.4	100	0.00
49 TMP Ethylbenzene	1.557	1.459	6.3	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.387	0.412	-6.5	100	0.00
51 TMP m,p-Xylene	0.612	0.582	4.9	100	0.00
52 TMP o-Xylene	0.591	0.576	2.5	100	0.00
53 TMP Styrene	0.887	0.909	-2.5	100	0.00
54 TMP Isopropylbenzene	1.435	1.493	-4.0	100	0.00
55 TMP Bromoform	0.299	0.323	-8.0	100	0.00
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	0.689	0.661	4.1	100	0.00
58 TMP n-Propylbenzene	2.700	2.621	2.9	100	0.00
59 TMP Bromobenzene	0.837	0.836	0.1	100	0.00
60 TMP 1,3,5-Trimethylbenzene	1.968	2.012	-2.2	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.626	0.560	10.5	100	0.00
62 TMP 1,2,3-Trichloropropane	0.486	0.433#	10.9	100	0.00
63 TMP 2-Chlorotoluene	1.617	1.518	6.1	100	0.00
64 TMP 4-Chlorotoluene	1.912	1.811	5.3	100	0.00
65 TMP tert-Butylbenzene	1.952	2.033	-4.1	100	0.00
66 TMP 1,2,4-Trimethylbenzene	1.996	2.096	-5.0	100	0.00
67 TMP sec-Butylbenzene	2.624	2.715	-3.5	100	0.00
68 TMP p-Isopropyltoluene	2.387	2.593	-8.6	100	0.00
69 TMP 1,3-Dichlorobenzene	1.530	1.513	1.1	100	0.00
70 TMP 1,4-Dichlorobenzene	1.564	1.531	2.1	100	0.00
71 TMP 1,2-Dichlorobenzene	1.455	1.469	-1.0	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	0.108	0.110	-1.9	100	0.00
73 TMP 1,2,4-Trichlorobenzene	0.971	1.045	-7.6	100	0.00
74 TMP Hexachlorobutadiene	0.600	0.592	1.3	100	0.00
75 TMP Naphthalene	1.833	2.170	-18.4	100	0.00
76 TMP 1,2,3-Trichlorobenzene	0.846	0.944	-11.6	100	0.00

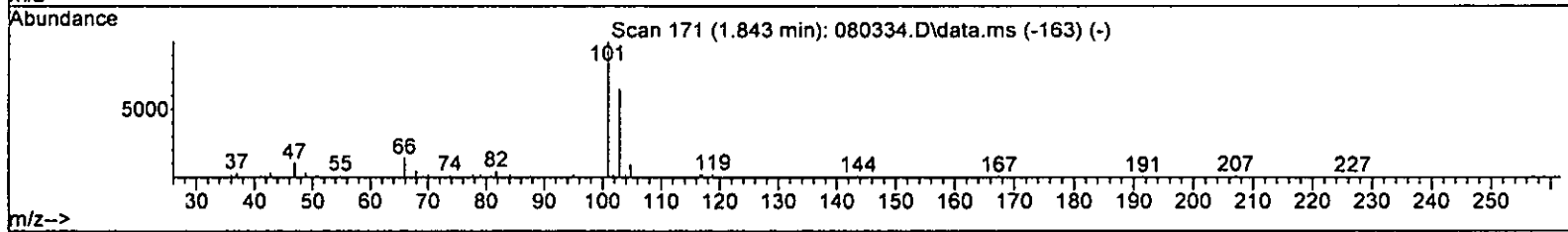
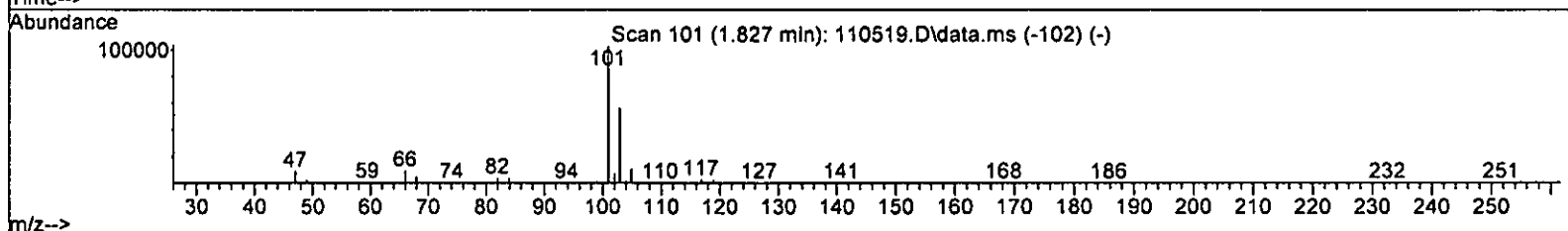
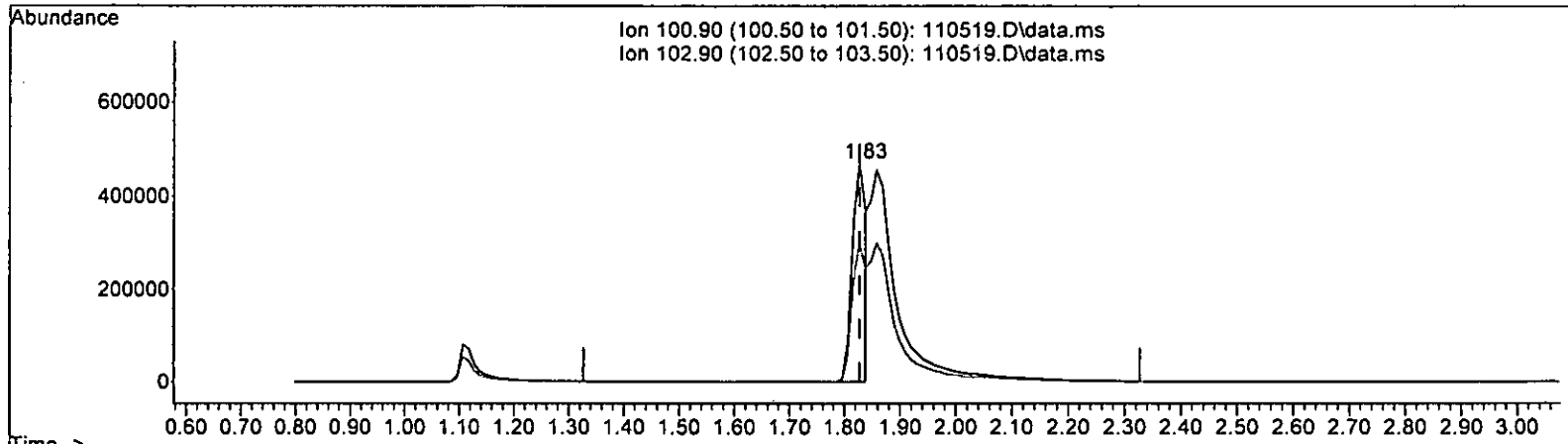
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SPCC's out = 3 CCC's out = 0

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110519.D
 Acq On : 05 Nov 2022 04:35 pm
 Operator : VM
 Sample : 200 ppb 8260 ICAL 67-177U
 Misc : soil/water
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:35 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110519.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.827min (-0.000) 67.111 ppb

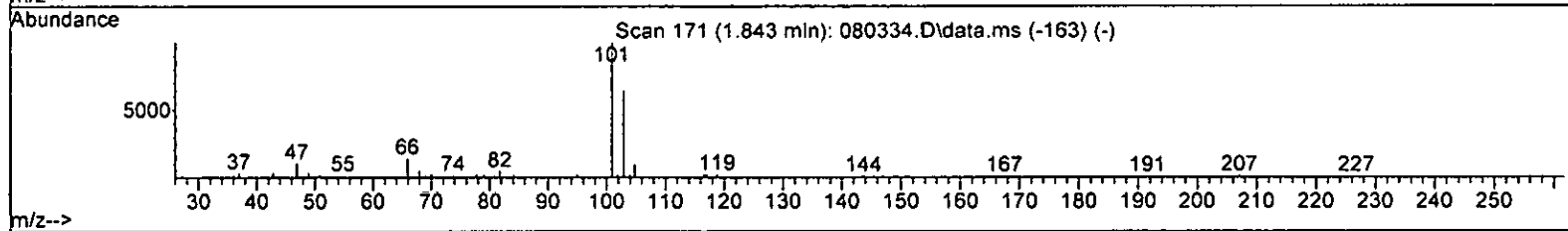
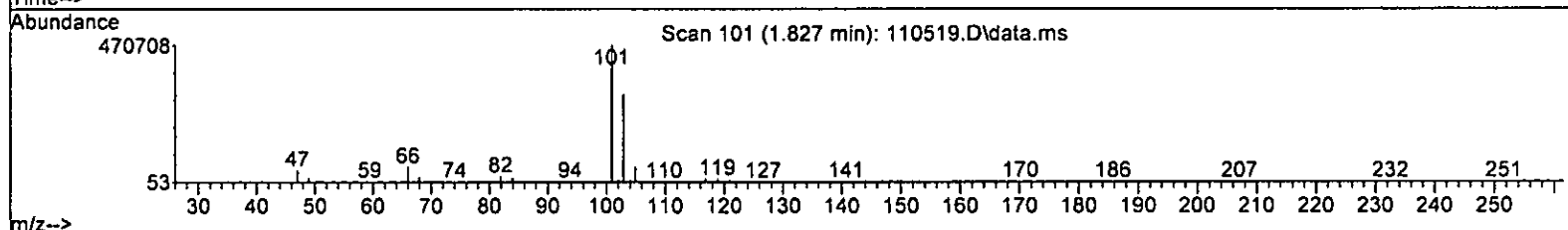
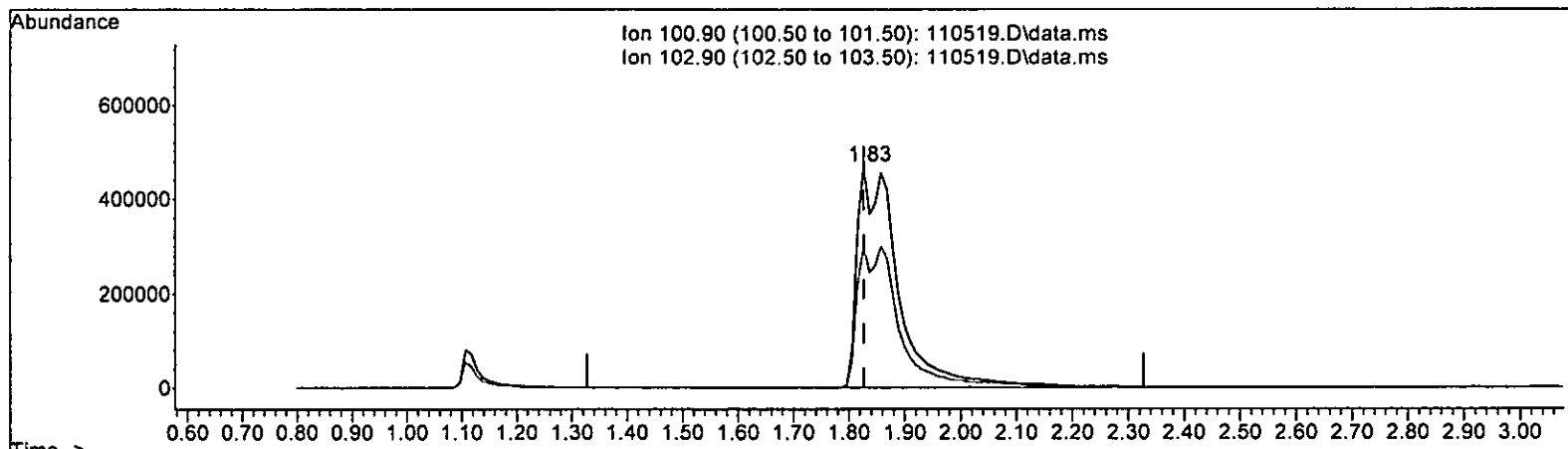
response 793121

Ion	Exp%	Act%
100.90	100.00	100.00
102.90	65.30	63.86
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110519.D
 Acq On : 05 Nov 2022 04:35 pm
 Operator : VM
 Sample : 200 ppb 8260 ICAL 67-177U
 Misc : soil/water
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:35 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110519.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.827min (-0.000) 217.013 ppb m

response 2564676

Ion	Exp%	Act%
100.90	100.00	100.00
102.90	65.30	63.87
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110519.D
 Acq On : 05 Nov 2022 04:35 pm
 Operator : VM
 Sample : 200 ppb 8260 ICAL 67-177U
 Misc : soil/water
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:35 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	4.75	96	105227	10.000	ppb	0.00
39) Chlorobenzene-d5	7.40	117	91763	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	54540	10.000	ppb	# 0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.17	113	34428	10.202	ppb	0.00
Spiked Amount	10.000	Range	50 - 150	Recovery	=	102.00%
30) 1,2-Dichloroethane-d4	4.45	102	6708	10.258	ppb	0.00
Spiked Amount	10.000	Range	84 - 120	Recovery	=	102.60%
35) Toluene-d8	6.11	98	102678	10.231	ppb	0.00
Spiked Amount	10.000	Range	73 - 128	Recovery	=	102.30%
57) 4-Bromofluorobenzene	8.51	95	35402	9.420	ppb	0.00
Spiked Amount	10.000	Range	57 - 146	Recovery	=	94.20%
Target Compounds						
						Qvalue
2) Ethanol	2.32	45	3275	No Calib		
4) Dichlorodifluoromethane	1.11	85	1824000	216.665	ppb	99
5) Chloromethane	1.25	50	1057643	205.895	ppb	95
6] Vinyl chloride	1.34	62	1025726	191.237	ppb	100
7) Bromomethane	1.58	94	886205	194.935	ppb	97
8] Chloroethane	1.64	64	494308	205.424	ppb	98
9) Trichlorofluoromethane	1.83	101	2564676m	217.013	ppb	
10] 2-Propanol	2.32	45	3275	No Calib	#	
11) Acetone	2.32	58	314218	1003.972	ppb	93
12] 1,1-Dichloroethene	2.27	96	565382	188.589	ppb	93
13) Hexane	3.16	57	725646	213.314	ppb	98
14) Methylene chloride	2.68	84	572042	200.216	ppb	96
15) t-Butyl alcohol (TBA)	2.82	59	283799	1123.683	ppb	92
16] Methyl t-butyl ether (...)	2.93	73	1451911	207.241	ppb	97
17] trans-1,2-Dichloroethene	2.91	96	630767	188.225	ppb	81
18) Diisopropyl ether (DIPE)	3.35	45	1431889	195.017	ppb	99
19] 1,1-Dichloroethane	3.27	63	949604	194.742	ppb	98
20) Ethyl t-butyl ether (E...)	3.66	87	642901	237.165	ppb	94
21) 2,2-Dichloropropane	3.76	77	618335	199.561	ppb	100
22] cis-1,2-Dichloroethene	3.77	96	667605	190.445	ppb	97
23) Chloroform	4.04	83	1128316	199.076	ppb	98
24) 2-Butanone (MEK)	3.79	43	1385193	999.839	ppb	98
25) t-Amyl methyl ether (T...)	4.61	73	1293539	227.466	ppb	94
26] 1,2-Dichloroethane (EDC)	4.53	62	831200	200.661	ppb	99
27] 1,1,1-Trichloroethane	4.19	97	1106308	218.203	ppb	98
28) 1,1-Dichloropropene	4.33	75	795751	200.176	ppb	95
29) Carbon tetrachloride	4.33	117	1126513	220.676	ppb	100
31] Benzene	4.50	78	2128648	180.887	ppb	98
32] Trichloroethene	5.05	95	728836	188.974	ppb	# 76
33) 1,2-Dichloropropane	5.24	63	497249	196.121	ppb	97
34) Bromodichloromethane	5.48	83	873574	214.733	ppb	93
36) Dibromomethane	5.35	93	442590	191.655	ppb	# 78

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110519.D
 Acq On : 05 Nov 2022 04:35 pm
 Operator : VM
 Sample : 200 ppb 8260 ICAL 67-177U
 Misc : soil/water
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS13

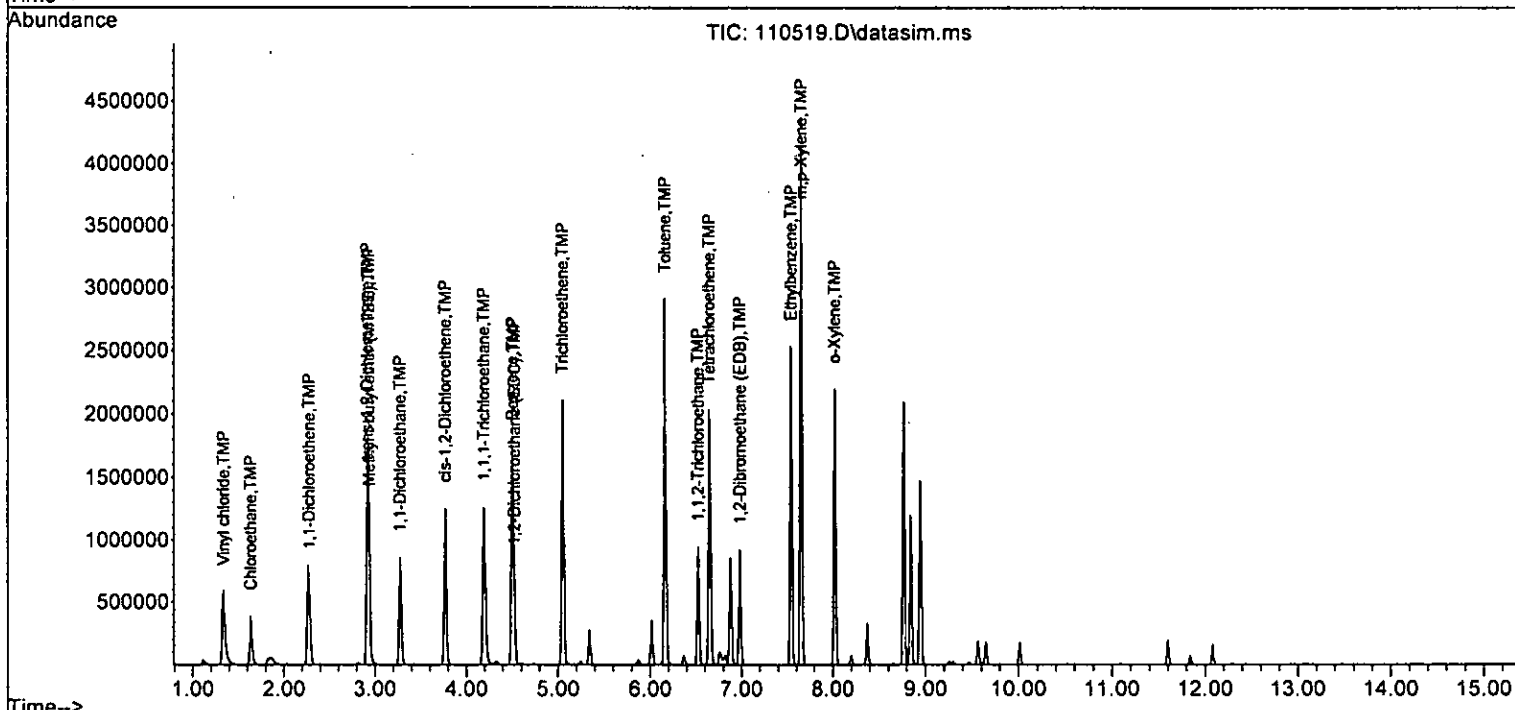
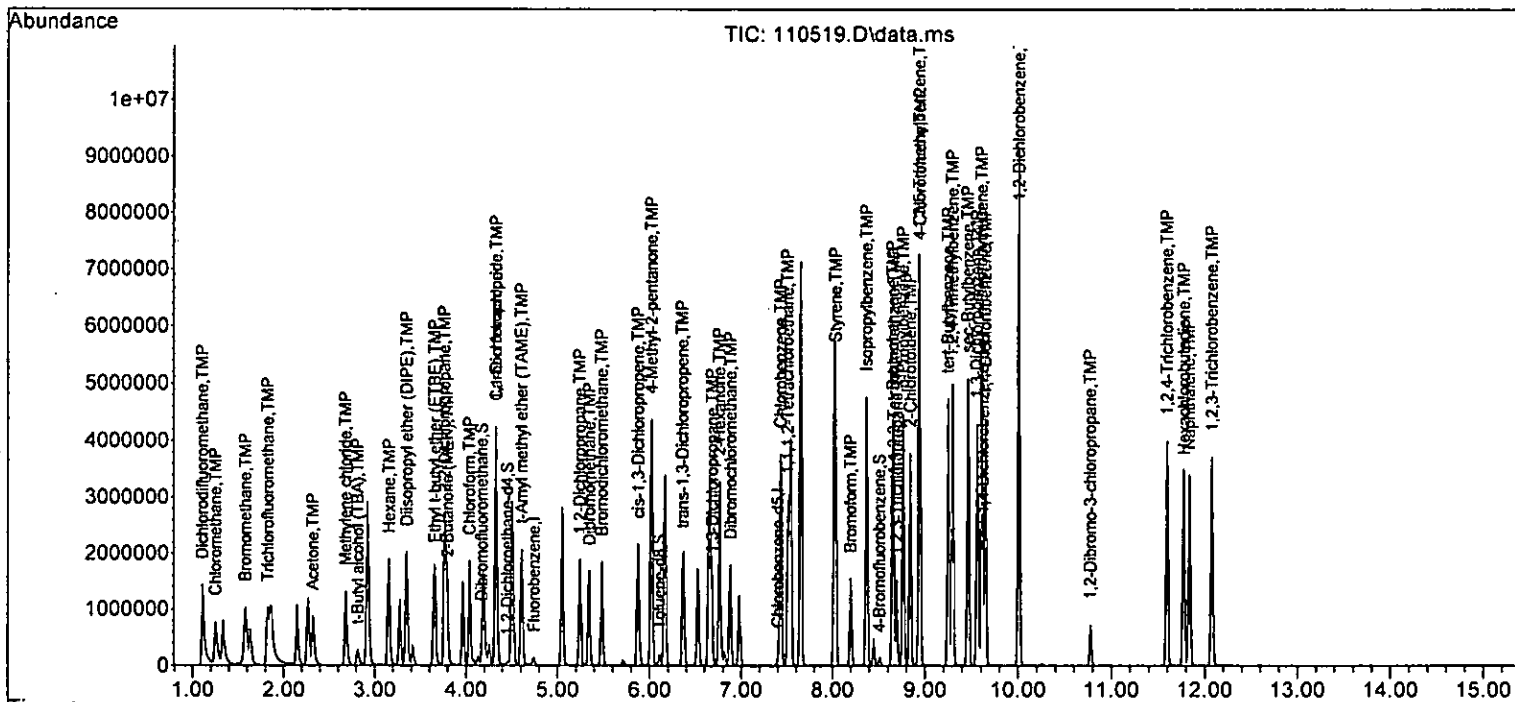
Quant Time: Nov 07 15:17:35 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	6.02	85	489946	1097.496	ppb	89
38) cis-1,3-Dichloropropene	5.88	75	902066	238.067	ppb	93
40] Toluene	6.16	92	1474185	200.169	ppb	93
41) trans-1,3-Dichloropropene	6.36	75	801572	198.879	ppb	90
42] 1,1,2-Trichloroethane	6.53	83	458701	200.192	ppb	90
43) 2-Hexanone	6.76	43	1734702	997.291	ppb	96
44) 1,3-Dichloropropane	6.68	76	776790	185.147	ppb	100
45] Tetrachloroethene	6.65	164	768364	200.175	ppb	96
46) Dibromochloromethane	6.88	129	897602	199.273	ppb	99
47] 1,2-Dibromoethane (EDB)	6.98	107	647622	196.298	ppb	98
48) Chlorobenzene	7.43	112	1871497	205.390	ppb	94
49] Ethylbenzene	7.54	91	2610526	182.724	ppb	92
50) 1,1,1,2-Tetrachloroethane	7.51	131	790558	222.870	ppb	97
51] m,p-Xylene	7.65	106	2141377	381.424	ppb	85
52] o-Xylene	8.02	106	1063136	196.124	ppb	85
53) Styrene	8.03	104	1702407	209.095	ppb	96
54) Isopropylbenzene	8.37	105	2776875	210.818	ppb	92
55) Bromoform	8.20	173	639607	233.107	ppb	98
58) n-Propylbenzene	8.77	91	2864984	194.579	ppb	86
59) Bromobenzene	8.65	156	958351	209.820	ppb #	77
60) 1,3,5-Trimethylbenzene	8.94	105	2216380	206.530	ppb	90
61) 1,1,2,2-Tetrachloroethane	8.66	83	612270	200.875	ppb	98
62) 1,2,3-Trichloropropane	8.70	75	464753	175.258	ppb	92
63) 2-Chlorotoluene	8.84	91	1648488	186.951	ppb	83
64) 4-Chlorotoluene	8.95	91	1951298	187.124	ppb	83
65) tert-Butylbenzene	9.25	119	2281827	214.344	ppb	90
66) 1,2,4-Trimethylbenzene	9.30	105	2347191	215.576	ppb	92
67) sec-Butylbenzene	9.46	105	3063699	214.091	ppb	92
68) p-Isopropyltoluene	9.61	119	2925975	224.761	ppb	95
69) 1,3-Dichlorobenzene	9.56	146	1701121	203.924	ppb	97
70) 1,4-Dichlorobenzene	9.65	146	1727324	202.499	ppb	96
71) 1,2-Dichlorobenzene	10.01	146	1654133	208.504	ppb	96
72) 1,2-Dibromo-3-chloropr...	10.77	75	130205	221.242	ppb	86
73) 1,2,4-Trichlorobenzene	11.60	180	1238341	233.950	ppb	97
74) Hexachlorobutadiene	11.78	225	703163	214.976	ppb	97
75) Naphthalene	11.83	128	2565831	198.845	ppb	99
76) 1,2,3-Trichlorobenzene	12.08	180	1109101	240.388	ppb	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110519.D
 Acq On : 05 Nov 2022 04:35 pm
 Operator : VM
 Sample : 200 ppb 8260 ICAL 67-177U
 Misc : soil/water
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:35 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110519.D
 Acq On : 05 Nov 2022 04:35 pm
 Operator : VM
 Sample : 200 ppb 8260 ICAL 67-177U
 Misc : soil/water
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:35 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2 TMP	Ethanol	-1.000	0.000	0.0	0	-0.01
3 S	Dibromofluoromethane	10.000	10.202	-2.0	100	0.00
4 TMP	Dichlorodifluoromethane	200.000	216.665	-8.3	100	-0.01
5 TMP	Chloromethane	200.000	205.895	-2.9	100	-0.01
6 TMP	Vinyl chloride	200.000	191.237	4.4	100	0.00
7 TMP	Bromomethane	200.000	194.935	2.5	100	0.00
8 TMP	Chloroethane	200.000	205.424	-2.7	100	-0.01
9 TMP	Trichlorofluoromethane	200.000	217.013	-8.5	103	0.00
10 TMP	2-Propanol	-1.000	0.000	0.0	0	-0.01
11 TMP	Acetone	1000.000	1003.972	-0.4	100	-0.01
12 TMP	1,1-Dichloroethene	200.000	188.589	5.7	100	0.00
13 TMP	Hexane	200.000	213.314	-6.7	100	0.00
14 TMP	Methylene chloride	200.000	200.216	-0.1	100	0.00
15 TMP	t-Butyl alcohol (TBA)	1000.000	1123.683	-12.4	100	0.00
16 TMP	Methyl t-butyl ether (MTBE)	200.000	207.241	-3.6	100	0.00
17 TMP	trans-1,2-Dichloroethene	200.000	188.225	5.9	100	-0.01
18 TMP	Diisopropyl ether (DIPE)	200.000	195.017	2.5	100	0.00
19 TMP	1,1-Dichloroethane	200.000	194.742	2.6	100	0.00
20 TMP	Ethyl t-butyl ether (ETBE)	200.000	237.165	-18.6	100	0.00
21 TMP	2,2-Dichloropropane	200.000	199.561	0.2	100	-0.01
22 TMP	cis-1,2-Dichloroethene	200.000	190.445	4.8	100	0.00
23 TMP	Chloroform	200.000	199.076	0.5	100	0.00
24 TMP	2-Butanone (MEK)	1000.000	999.839	0.0	100	0.00
25 TMP	t-Amyl methyl ether (TAME)	200.000	227.466	-13.7	100	0.00
26 TMP	1,2-Dichloroethane (EDC)	200.000	200.661	-0.3	100	0.00
27 TMP	1,1,1-Trichloroethane	200.000	218.203	-9.1	100	0.00
28 TMP	1,1-Dichloropropene	200.000	200.176	-0.1	100	0.00
29 TMP	Carbon tetrachloride	200.000	220.676	-10.3	100	0.00
30 S	1,2-Dichloroethane-d4	10.000	10.258	-2.6	100	0.00
31 TMP	Benzene	200.000	180.887	9.6	100	0.00
32 TMP	Trichloroethene	200.000	188.974	5.5	100	0.00
33 TMP	1,2-Dichloropropane	200.000	196.121	1.9	100	0.00
34 TMP	Bromodichloromethane	200.000	214.733	-7.4	100	0.00
35 S	Toluene-d8	10.000	10.231	-2.3	100	0.00
36 TMP	Dibromomethane	200.000	191.655	4.2	100	0.00
37 TMP	4-Methyl-2-pentanone	1000.000	1097.496	-9.7	100	0.00
38 TMP	cis-1,3-Dichloropropene	200.000	238.067	-19.0	100	0.00
39 I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40 TMP	Toluene	200.000	200.169	-0.1	100	0.00
41 TMP	trans-1,3-Dichloropropene	200.000	198.879	0.6	100	0.00
42 TMP	1,1,2-Trichloroethane	200.000	200.192	-0.1	100	0.00
43 TMP	2-Hexanone	1000.000	997.291	0.3	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110519.D
 Acq On : 05 Nov 2022 04:35 pm
 Operator : VM
 Sample : 200 ppb 8260 ICAL 67-177U
 Misc : soil/water
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:35 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	200.000	185.147	7.4	100	0.00
45 TMP Tetrachloroethene	200.000	200.175	-0.1	100	0.00
46 TMP Dibromochloromethane	200.000	199.273	0.4	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	200.000	196.298	1.9	100	0.00
48 TMP Chlorobenzene	200.000	205.390	-2.7	100	0.00
49 TMP Ethylbenzene	200.000	182.724	8.6	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	200.000	222.870	-11.4	100	0.00
51 TMP m,p-Xylene	400.000	381.424	4.6	100	0.00
52 TMP o-Xylene	200.000	196.124	1.9	100	0.00
53 TMP Styrene	200.000	209.095	-4.5	100	0.00
54 TMP Isopropylbenzene	200.000	210.818	-5.4	100	0.00
55 TMP Bromoform	200.000	233.107	-16.6	100	0.00
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	10.000	9.420	5.8	100	0.00
58 TMP n-Propylbenzene	200.000	194.579	2.7	100	0.00
59 TMP Bromobenzene	200.000	209.820	-4.9	100	0.00
60 TMP 1,3,5-Trimethylbenzene	200.000	206.530	-3.3	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	200.000	200.875	-0.4	100	0.00
62 TMP 1,2,3-Trichloropropane	200.000	175.258	12.4	100	0.00
63 TMP 2-Chlorotoluene	200.000	186.951	6.5	100	0.00
64 TMP 4-Chlorotoluene	200.000	187.124	6.4	100	0.00
65 TMP tert-Butylbenzene	200.000	214.344	-7.2	100	0.00
66 TMP 1,2,4-Trimethylbenzene	200.000	215.576	-7.8	100	0.00
67 TMP sec-Butylbenzene	200.000	214.091	-7.0	100	0.00
68 TMP p-Isopropyltoluene	200.000	224.761	-12.4	100	0.00
69 TMP 1,3-Dichlorobenzene	200.000	203.924	-2.0	100	0.00
70 TMP 1,4-Dichlorobenzene	200.000	202.499	-1.2	100	0.00
71 TMP 1,2-Dichlorobenzene	200.000	208.504	-4.3	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	200.000	221.242	-10.6	100	0.00
73 TMP 1,2,4-Trichlorobenzene	200.000	233.950	-17.0	100	0.00
74 TMP Hexachlorobutadiene	200.000	214.976	-7.5	100	0.00
75 TMP Naphthalene	200.000	198.845	0.6	100	0.00
76 TMP 1,2,3-Trichlorobenzene	200.000	240.388	-20.2#	100	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110519.D
 Acq On : 05 Nov 2022 04:35 pm
 Operator : VM
 Sample : 200 ppb 8260 ICAL 67-177U
 Misc : soil/water
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:35 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2 TMP	Ethanol	0.000	0.000#	0.0	0#	-0.01
3 S	Dibromofluoromethane	0.321	0.327	-1.9	100	0.00
4 TMP	Dichlorodifluoromethane	0.800	0.867	-8.4	100	-0.01
5 TMP	Chloromethane	0.488	0.503	-3.1	100	-0.01
6 TMP	Vinyl chloride	0.510	0.487	4.5	100	0.00
7 TMP	Bromomethane	0.432	0.421	2.5	100	0.00
8 TMP	Chloroethane	0.229	0.235	-2.6	100	-0.01
9 TMP	Trichlorofluoromethane	1.123	1.219	-8.5	103	0.00
10 TMP	2-Propanol	0.000	0.000	0.0	0#	-0.01
11 TMP	Acetone	0.029	0.030	-3.4	100	-0.01
12 TMP	1,1-Dichloroethene	0.285	0.269	5.6	100	0.00
13 TMP	Hexane	0.323	0.345	-6.8	100	0.00
14 TMP	Methylene chloride	0.289	0.272	5.9	100	0.00
15 TMP	t-Butyl alcohol (TBA)	0.024	0.027#	-12.5	100	0.00
16 TMP	Methyl t-butyl ether (MTBE)	0.666	0.690	-3.6	100	0.00
17 TMP	trans-1,2-Dichloroethene	0.318	0.300	5.7	100	-0.01
18 TMP	Diisopropyl ether (DIPE)	0.698	0.680	2.6	100	0.00
19 TMP	1,1-Dichloroethane	0.463	0.451	2.6	100	0.00
20 TMP	Ethyl t-butyl ether (ETBE)	0.258	0.305	-18.2	100	0.00
21 TMP	2,2-Dichloropropane	0.258	0.294	-14.0	100	-0.01
22 TMP	cis-1,2-Dichloroethene	0.333	0.317	4.8	100	0.00
23 TMP	Chloroform	0.539	0.536	0.6	100	0.00
24 TMP	2-Butanone (MEK)	0.132	0.132	0.0	100	0.00
25 TMP	t-Amyl methyl ether (TAME)	0.540	0.615	-13.9	100	0.00
26 TMP	1,2-Dichloroethane (EDC)	0.465	0.395	15.1	100	0.00
27 TMP	1,1,1-Trichloroethane	0.482	0.526	-9.1	100	0.00
28 TMP	1,1-Dichloropropene	0.370	0.378	-2.2	100	0.00
29 TMP	Carbon tetrachloride	0.485	0.535	-10.3	100	0.00
30 S	1,2-Dichloroethane-d4	0.062	0.064	-3.2	100	0.00
31 TMP	Benzene	1.118	1.011	9.6	100	0.00
32 TMP	Trichloroethene	0.367	0.346	5.7	100	0.00
33 TMP	1,2-Dichloropropane	0.241	0.236	2.1	100	0.00
34 TMP	Bromodichloromethane	0.387	0.415	-7.2	100	0.00
35 S	Toluene-d8	0.954	0.976	-2.3	100	0.00
36 TMP	Dibromomethane	0.219	0.210	4.1	100	0.00
37 TMP	4-Methyl-2-pentanone	0.042	0.047	-11.9	100	0.00
38 TMP	cis-1,3-Dichloropropene	0.360	0.429	-19.2	100	0.00
39 I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40 TMP	Toluene	0.907	0.803	11.5	100	0.00
41 TMP	trans-1,3-Dichloropropene	0.366	0.437	-19.4	100	0.00
42 TMP	1,1,2-Trichloroethane	0.285	0.250	12.3	100	0.00
43 TMP	2-Hexanone	0.190	0.189	0.5	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110519.D
 Acq On : 05 Nov 2022 04:35 pm
 Operator : VM
 Sample : 200 ppb 8260 ICAL 67-177U
 Misc : soil/water
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:35 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.457	0.423	7.4	100	0.00
45 TMP Tetrachloroethene	0.460	0.419	8.9	100	0.00
46 TMP Dibromochloromethane	0.451	0.489	-8.4	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	0.360	0.353	1.9	100	0.00
48 TMP Chlorobenzene	0.993	1.020	-2.7	100	0.00
49 TMP Ethylbenzene	1.557	1.422	8.7	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.387	0.431	-11.4	100	0.00
51 TMP m,p-Xylene	0.612	0.583	4.7	100	0.00
52 TMP o-Xylene	0.591	0.579	2.0	100	0.00
53 TMP Styrene	0.887	0.928	-4.6	100	0.00
54 TMP Isopropylbenzene	1.435	1.513	-5.4	100	0.00
55 TMP Bromoform	0.299	0.349	-16.7	100	0.00
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	0.689	0.649	5.8	100	0.00
58 TMP n-Propylbenzene	2.700	2.626	2.7	100	0.00
59 TMP Bromobenzene	0.837	0.879	-5.0	100	0.00
60 TMP 1,3,5-Trimethylbenzene	1.968	2.032	-3.3	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.626	0.561	10.4	100	0.00
62 TMP 1,2,3-Trichloropropane	0.486	0.426#	12.3	100	0.00
63 TMP 2-Chlorotoluene	1.617	1.511	6.6	100	0.00
64 TMP 4-Chlorotoluene	1.912	1.789	6.4	100	0.00
65 TMP tert-Butylbenzene	1.952	2.092	-7.2	100	0.00
66 TMP 1,2,4-Trimethylbenzene	1.996	2.152	-7.8	100	0.00
67 TMP sec-Butylbenzene	2.624	2.809	-7.1	100	0.00
68 TMP p-Isopropyltoluene	2.387	2.682	-12.4	100	0.00
69 TMP 1,3-Dichlorobenzene	1.530	1.560	-2.0	100	0.00
70 TMP 1,4-Dichlorobenzene	1.564	1.584	-1.3	100	0.00
71 TMP 1,2-Dichlorobenzene	1.455	1.516	-4.2	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	0.108	0.119	-10.2	100	0.00
73 TMP 1,2,4-Trichlorobenzene	0.971	1.135	-16.9	100	0.00
74 TMP Hexachlorobutadiene	0.600	0.645	-7.5	100	0.00
75 TMP Naphthalene	1.833	2.352	-28.3#	100	0.00
76 TMP 1,2,3-Trichlorobenzene	0.846	1.017	-20.2#	100	0.00

(#) = Out of Range

SPCC's out = 3 CCC's out = 0

Data Path : D:\Proc_GCMS13\11-07-22\
 Data File : 110706.D
 Acq On : 07 Nov 2022 10:34 am
 Operator : LM
 Sample : 10 ppb 8260 SCV 67-155
 Misc : soil/water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:49:10 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	4.73	96	107809	10.000	ppb	-0.01
39) Chlorobenzene-d5	7.40	117	88712	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	52143	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.17	113	35026	10.131	ppb	0.00
Spiked Amount	10.000	Range 50 - 150	Recovery	=	101.30%	
30) 1,2-Dichloroethane-d4	4.45	102	6899	10.297	ppb	0.00
Spiked Amount	10.000	Range 84 - 120	Recovery	=	103.00%	
35) Toluene-d8	6.11	98	104241	10.138	ppb	0.00
Spiked Amount	10.000	Range 73 - 128	Recovery	=	101.40%	
57) 4-Bromofluorobenzene	8.51	95	35177	9.791	ppb	0.00
Spiked Amount	10.000	Range 57 - 146	Recovery	=	97.90%	
Target Compounds						
						Qvalue
2) Ethanol	2.32	45	404	No Calib		
4) Dichlorodifluoromethane	1.11	85	69459	8.053	ppb	97
5) Chloromethane	1.25	50	49461	9.398	ppb	96
6] Vinyl chloride	1.34	62	50437	9.178	ppb	98
7) Bromomethane	1.57	94	48907	10.500	ppb	93
8] Chloroethane	1.65	64	24020	9.743	ppb	95
9) Trichlorofluoromethane	1.83	101	126435	10.442	ppb	95
10) 2-Propanol	2.32	45	404	No Calib	#	
11) Acetone	2.32	58	18598	65.558	ppb	89
12] 1,1-Dichloroethene	2.26	96	32255	10.501	ppb	83
13) Hexane	3.16	57	37617	10.793	ppb	96
14) Methylene chloride	2.68	84	35346	11.050	ppb	95
15) t-Butyl alcohol (TBA)	2.82	59	14861	57.432	ppb	97
16] Methyl t-butyl ether (...)	2.92	73	79509	11.077	ppb	96
17] trans-1,2-Dichloroethene	2.91	96	34006	9.905	ppb	83
18) Diisopropyl ether (DIPE)	3.34	45	73609	9.785	ppb	98
19] 1,1-Dichloroethane	3.27	63	51794	10.367	ppb	96
20) Ethyl t-butyl ether (E...)	3.65	87	31003	11.163	ppb	95
21) 2,2-Dichloropropane	3.76	77	30099	11.573	ppb	94
22] cis-1,2-Dichloroethene	3.77	96	34784	9.685	ppb	96
23) Chloroform	4.04	83	57168	9.845	ppb	97
24) 2-Butanone (MEK)	3.78	43	85005	62.847	ppb	97
25) t-Amyl methyl ether (T...)	4.61	73	66102	11.346	ppb	93
26] 1,2-Dichloroethane (EDC)	4.52	62	45561	10.401	ppb	93
27] 1,1,1-Trichloroethane	4.19	97	56350	10.848	ppb	96
28) 1,1-Dichloropropene	4.32	75	40674	10.438	ppb	98
29) Carbon tetrachloride	4.32	117	52239	9.988	ppb	99
31] Benzene	4.50	78	115853	9.609	ppb	99
32] Trichloroethene	5.04	95	37065	9.380	ppb	95
33) 1,2-Dichloropropane	5.24	63	26126	10.058	ppb	97
34) Bromodichloromethane	5.48	83	41239	9.894	ppb	90
36) Dibromomethane	5.34	93	22396	9.466	ppb	87

Data Path : D:\Proc_GCMS13\11-07-22\
 Data File : 110706.D
 Acq On : 07 Nov 2022 10:34 am
 Operator : LM
 Sample : 10 ppb 8260 SCV 67-155
 Misc : soil/water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

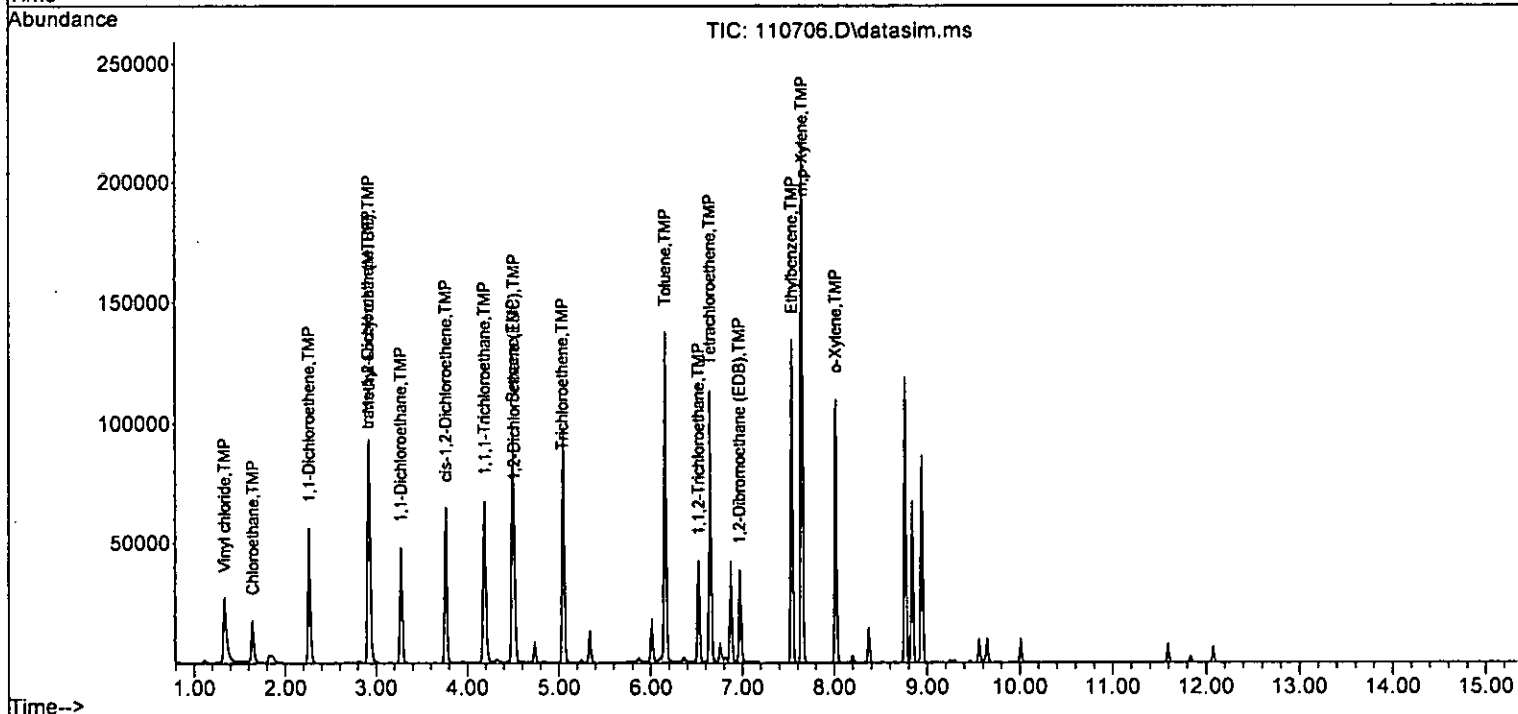
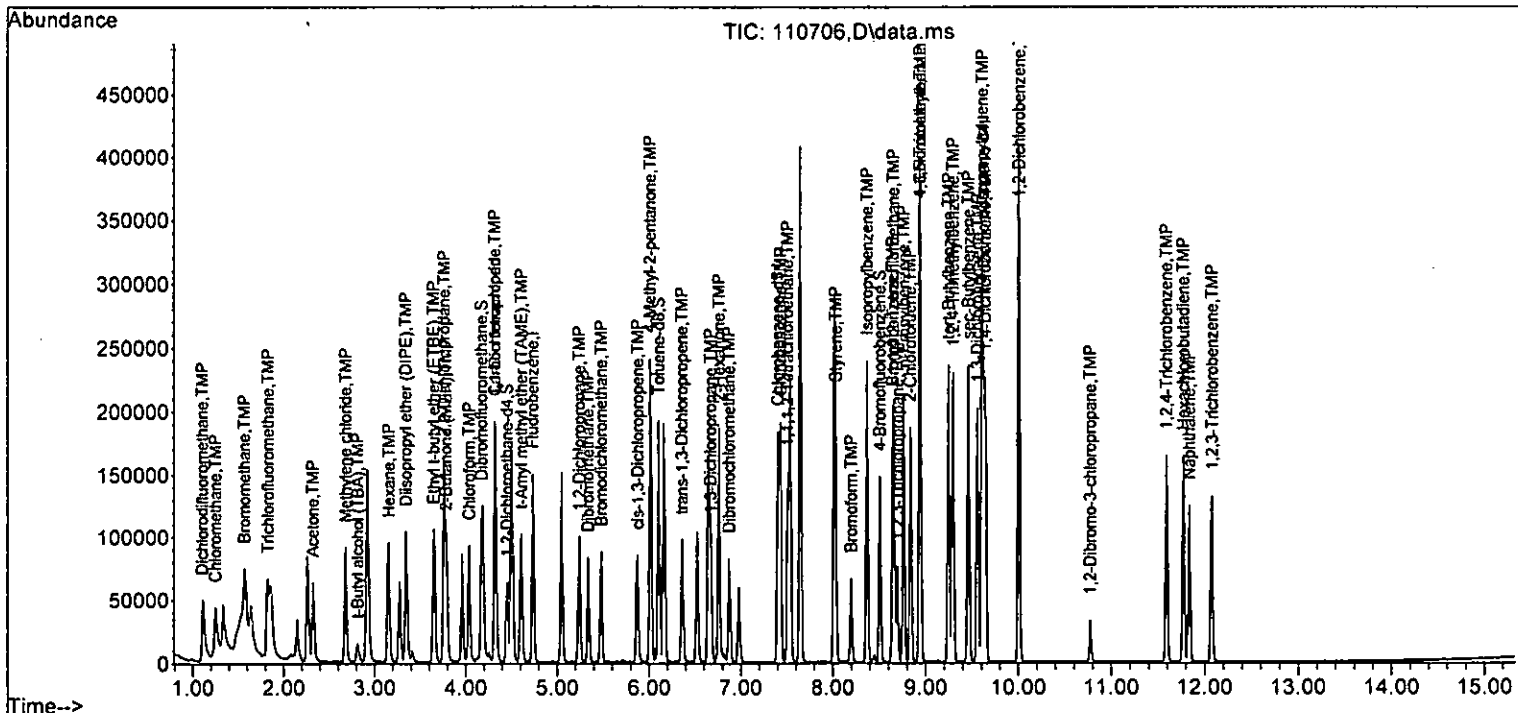
Quant Time: Nov 07 15:49:10 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	6.01	85	24794	54.209	ppb	92
38) cis-1,3-Dichloropropene	5.88	75	41041	10.572	ppb	92
40] Toluene	6.16	92	73801	10.379	ppb	94
41) trans-1,3-Dichloropropene	6.36	75	35738	11.416	ppb	91
42] 1,1,2-Trichloroethane	6.53	83	23480	10.230	ppb	84
43) 2-Hexanone	6.76	43	107316	63.819	ppb	97
44) 1,3-Dichloropropane	6.67	76	39527	9.745	ppb	99
45] Tetrachloroethene	6.65	164	37989	10.841	ppb	93
46) Dibromochloromethane	6.87	129	39620	10.380	ppb	98
47] 1,2-Dibromoethane (EDB)	6.97	107	32152	10.081	ppb	92
48) Chlorobenzene	7.43	112	88017	9.992	ppb	95
49] Ethylbenzene	7.54	91	138053	9.995	ppb	91
50) 1,1,1,2-Tetrachloroethane	7.51	131	34581	10.084	ppb	95
51] m,p-Xylene	7.65	106	109130	20.107	ppb	85
52] o-Xylene	8.02	106	53561	10.221	ppb	84
53) Styrene	8.03	104	80834	10.270	ppb	97
54) Isopropylbenzene	8.37	105	130719	10.265	ppb	95
55) Bromoform	8.20	173	25888	9.759	ppb	98
58) n-Propylbenzene	8.77	91	147169	10.455	ppb	90
59) Bromobenzene	8.65	156	44091	10.097	ppb	86
60) 1,3,5-Trimethylbenzene	8.94	105	108127	10.539	ppb	92
61) 1,1,2,2-Tetrachloroethane	8.65	83	34157	11.235	ppb	97
62) 1,2,3-Trichloropropane	8.70	75	25355	10.001	ppb	94
63) 2-Chlorotoluene	8.84	91	86164	10.221	ppb	92
64) 4-Chlorotoluene	8.94	91	102138	10.245	ppb	96
65) tert-Butylbenzene	9.25	119	102868	10.107	ppb	93
66) 1,2,4-Trimethylbenzene	9.30	105	111968	10.756	ppb	94
67) sec-Butylbenzene	9.46	105	140170	10.245	ppb	93
68) p-Isopropyltoluene	9.61	119	131454	10.562	ppb	95
69) 1,3-Dichlorobenzene	9.56	146	79493	9.967	ppb	97
70) 1,4-Dichlorobenzene	9.64	146	81416	9.983	ppb	98
71) 1,2-Dichlorobenzene	10.01	146	76374	10.070	ppb	96
72) 1,2-Dibromo-3-chloropr...	10.77	75	5936	10.550	ppb	91
73) 1,2,4-Trichlorobenzene	11.59	180	47850	9.456	ppb	93
74) Hexachlorobutadiene	11.77	225	29539	9.446	ppb	98
75) Naphthalene	11.83	128	87948	9.094	ppb	98
76) 1,2,3-Trichlorobenzene	12.08	180	39153	8.876	ppb	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS13\11-07-22\
 Data File : 110706.D
 Acq On : 07 Nov 2022 10:34 am
 Operator : LM
 Sample : 10 ppb 8260 SCV 67-155
 Misc : soil/water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:49:10 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-07-22\
 Data File : 110706.D
 Acq On : 07 Nov 2022 10:34 am
 Operator : LM
 Sample : 10 ppb 8260 SCV 67-155
 Misc : soil/water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:49:10 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	10.000	10.000	0.0	103	-0.01
2 TMP	Ethanol	-1.000	0.000	0.0	0	-0.01
3 S	Dibromofluoromethane	10.000	10.131	-1.3	105	0.00
4 TMP	Dichlorodifluoromethane	10.000	8.053	19.5	84	-0.01
5 TMP	Chloromethane	10.000	9.398	6.0	94	-0.01
6 TMP	Vinyl chloride	10.000	9.178	8.2	97	0.00
7 TMP	Bromomethane	10.000	10.500	-5.0	96	-0.01
8 TMP	Chloroethane	10.000	9.743	2.6	97	0.00
9 TMP	Trichlorofluoromethane	10.000	10.442	-4.4	111	0.00
10 TMP	2-Propanol	-1.000	0.000	0.0	0	-0.01
11 TMP	Acetone	50.000	65.558	-31.1#	124	-0.01
12 TMP	1,1-Dichloroethene	10.000	10.501	-5.0	110	-0.01
13 TMP	Hexane	10.000	10.793	-7.9	110	0.00
14 TMP	Methylene chloride	10.000	11.050	-10.5	112	0.00
15 TMP	t-Butyl alcohol (TBA)	50.000	57.432	-14.9	117	0.00
16 TMP	Methyl t-butyl ether (MTBE)	10.000	11.077	-10.8	113	-0.01
17 TMP	trans-1,2-Dichloroethene	10.000	9.905	1.0	104	-0.01
18 TMP	Diisopropyl ether (DIPE)	10.000	9.785	2.1	105	-0.01
19 TMP	1,1-Dichloroethane	10.000	10.367	-3.7	105	0.00
20 TMP	Ethyl t-butyl ether (ETBE)	10.000	11.163	-11.6	120	-0.01
21 TMP	2,2-Dichloropropane	10.000	11.573	-15.7	127	-0.01
22 TMP	cis-1,2-Dichloroethene	10.000	9.685	3.1	99	0.00
23 TMP	Chloroform	10.000	9.845	1.5	103	0.00
24 TMP	2-Butanone (MEK)	50.000	62.847	-25.7#	124	-0.01
25 TMP	t-Amyl methyl ether (TAME)	10.000	11.346	-13.5	118	0.00
26 TMP	1,2-Dichloroethane (EDC)	10.000	10.401	-4.0	103	-0.01
27 TMP	1,1,1-Trichloroethane	10.000	10.848	-8.5	114	0.00
28 TMP	1,1-Dichloropropene	10.000	10.438	-4.4	106	-0.01
29 TMP	Carbon tetrachloride	10.000	9.988	0.1	107	-0.01
30 S	1,2-Dichloroethane-d4	10.000	10.297	-3.0	101	0.00
31 TMP	Benzene	10.000	9.609	3.9	101	0.00
32 TMP	Trichloroethene	10.000	9.380	6.2	100	-0.01
33 TMP	1,2-Dichloropropane	10.000	10.058	-0.6	106	0.00
34 TMP	Bromodichloromethane	10.000	9.894	1.1	100	0.00
35 S	Toluene-d8	10.000	10.138	-1.4	103	0.00
36 TMP	Dibromomethane	10.000	9.466	5.3	99	-0.01
37 TMP	4-Methyl-2-pentanone	50.000	54.209	-8.4	110	-0.01
38 TMP	cis-1,3-Dichloropropene	10.000	10.572	-5.7	119	0.00
39 I	Chlorobenzene-d5	10.000	10.000	0.0	102	0.00
40 TMP	Toluene	10.000	10.379	-3.8	102	0.00
41 TMP	trans-1,3-Dichloropropene	10.000	11.416	-14.2	124	0.00
42 TMP	1,1,2-Trichloroethane	10.000	10.230	-2.3	101	0.00
43 TMP	2-Hexanone	50.000	63.819	-27.6#	129	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-07-22\
 Data File : 110706.D
 Acq On : 07 Nov 2022 10:34 am
 Operator : LM
 Sample : 10 ppb 8260 SCV 67-155
 Misc : soil/water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:49:10 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	10.000	9.745	2.6	99	-0.01
45 TMP Tetrachloroethene	10.000	10.841	-8.4	106	0.00
46 TMP Dibromochloromethane	10.000	10.380	-3.8	108	-0.01
47 TMP 1,2-Dibromoethane (EDB)	10.000	10.081	-0.8	105	-0.01
48 TMP Chlorobenzene	10.000	9.992	0.1	105	0.00
49 TMP Ethylbenzene	10.000	9.995	0.1	104	0.00
50 TMP 1,1,1,2-Tetrachloroethane	10.000	10.084	-0.8	108	0.00
51 TMP m,p-Xylene	20.000	20.107	-0.5	105	0.00
52 TMP o-Xylene	10.000	10.221	-2.2	107	0.00
53 TMP Styrene	10.000	10.270	-2.7	104	0.00
54 TMP Isopropylbenzene	10.000	10.265	-2.7	104	0.00
55 TMP Bromoform	10.000	9.759	2.4	103	0.00
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	102	0.00
57 S 4-Bromofluorobenzene	10.000	9.791	2.1	100	0.00
58 TMP n-Propylbenzene	10.000	10.455	-4.6	103	0.00
59 TMP Bromobenzene	10.000	10.097	-1.0	104	0.00
60 TMP 1,3,5-Trimethylbenzene	10.000	10.539	-5.4	107	0.00
61 TMP 1,1,2,2-Tetrachloroethane	10.000	11.235	-12.3	107	0.00
62 TMP 1,2,3-Trichloropropane	10.000	10.001	-0.0	104	0.00
63 TMP 2-Chlorotoluene	10.000	10.221	-2.2	102	0.00
64 TMP 4-Chlorotoluene	10.000	10.245	-2.4	105	0.00
65 TMP tert-Butylbenzene	10.000	10.107	-1.1	106	0.00
66 TMP 1,2,4-Trimethylbenzene	10.000	10.756	-7.6	109	0.00
67 TMP sec-Butylbenzene	10.000	10.245	-2.4	104	0.00
68 TMP p-Isopropyltoluene	10.000	10.562	-5.6	108	0.00
69 TMP 1,3-Dichlorobenzene	10.000	9.967	0.3	103	0.00
70 TMP 1,4-Dichlorobenzene	10.000	9.983	0.2	104	0.00
71 TMP 1,2-Dichlorobenzene	10.000	10.070	-0.7	102	0.00
72 TMP 1,2-Dibromo-3-chloropropane	10.000	10.550	-5.5	111	0.00
73 TMP 1,2,4-Trichlorobenzene	10.000	9.456	5.4	102	0.00
74 TMP Hexachlorobutadiene	10.000	9.446	5.5	100	0.00
75 TMP Naphthalene	10.000	9.094	9.1	100	0.00
76 TMP 1,2,3-Trichlorobenzene	10.000	8.876	11.2	95	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-07-22\
 Data File : 110706.D
 Acq On : 07 Nov 2022 10:34 am
 Operator : LM
 Sample : 10 ppb 8260 SCV 67-155
 Misc : soil/water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:49:10 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I Fluorobenzene	1.000	1.000	0.0	103	-0.01
2 TMP Ethanol	0.000	0.000#	0.0	0#	-0.01
3 S Dibromofluoromethane	0.321	0.325	-1.2	105	0.00
4 TMP Dichlorodifluoromethane	0.800	0.644	19.5	84	-0.01
5 TMP Chloromethane	0.488	0.459	5.9	94	-0.01
6 TMP Vinyl chloride	0.510	0.468	8.2	97	0.00
7 TMP Bromomethane	0.432	0.454	-5.1	96	-0.01
8 TMP Chloroethane	0.229	0.223	2.6	97	0.00
9 TMP Trichlorofluoromethane	1.123	1.173	-4.5	111	0.00
10 TMP 2-Propanol	0.000	0.000	0.0	0#	-0.01
11 TMP Acetone	0.029	0.035	-20.7#	124	-0.01
12 TMP 1,1-Dichloroethene	0.285	0.299	-4.9	110	-0.01
13 TMP Hexane	0.323	0.349	-8.0	110	0.00
14 TMP Methylene chloride	0.289	0.328	-13.5	112	0.00
15 TMP t-Butyl alcohol (TBA)	0.024	0.028#	-16.7	117	0.00
16 TMP Methyl t-butyl ether (MTBE)	0.666	0.737	-10.7	113	-0.01
17 TMP trans-1,2-Dichloroethene	0.318	0.315	0.9	104	-0.01
18 TMP Diisopropyl ether (DIPE)	0.698	0.683	2.1	105	-0.01
19 TMP 1,1-Dichloroethane	0.463	0.480	-3.7	105	0.00
20 TMP Ethyl t-butyl ether (ETBE)	0.258	0.288	-11.6	120	-0.01
21 TMP 2,2-Dichloropropane	0.258	0.279	-8.1	127	-0.01
22 TMP cis-1,2-Dichloroethene	0.333	0.323	3.0	99	0.00
23 TMP Chloroform	0.539	0.530	1.7	103	0.00
24 TMP 2-Butanone (MEK)	0.132	0.158	-19.7	124	-0.01
25 TMP t-Amyl methyl ether (TAME)	0.540	0.613	-13.5	118	0.00
26 TMP 1,2-Dichloroethane (EDC)	0.465	0.423	9.0	103	-0.01
27 TMP 1,1,1-Trichloroethane	0.482	0.523	-8.5	114	0.00
28 TMP 1,1-Dichloropropene	0.370	0.377	-1.9	106	-0.01
29 TMP Carbon tetrachloride	0.485	0.485	0.0	107	-0.01
30 S 1,2-Dichloroethane-d4	0.062	0.064	-3.2	101	0.00
31 TMP Benzene	1.118	1.075	3.8	101	0.00
32 TMP Trichloroethene	0.367	0.344	6.3	100	-0.01
33 TMP 1,2-Dichloropropane	0.241	0.242	-0.4	106	0.00
34 TMP Bromodichloromethane	0.387	0.383	1.0	100	0.00
35 S Toluene-d8	0.954	0.967	-1.4	103	0.00
36 TMP Dibromomethane	0.219	0.208	5.0	99	-0.01
37 TMP 4-Methyl-2-pentanone	0.042	0.046	-9.5	110	-0.01
38 TMP cis-1,3-Dichloropropene	0.360	0.381	-5.8	119	0.00
39 I Chlorobenzene-d5	1.000	1.000	0.0	102	0.00
40 TMP Toluene	0.907	0.832	8.3	102	0.00
41 TMP trans-1,3-Dichloropropene	0.366	0.403	-10.1	124	0.00
42 TMP 1,1,2-Trichloroethane	0.285	0.265	7.0	101	0.00
43 TMP 2-Hexanone	0.190	0.242	-27.4#	129	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-07-22\
 Data File : 110706.D
 Acq On : 07 Nov 2022 10:34 am
 Operator : LM
 Sample : 10 ppb 8260 SCV 67-155
 Misc : soil/water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:49:10 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.457	0.446	2.4	99	-0.01
45 TMP Tetrachloroethene	0.460	0.428	7.0	106	0.00
46 TMP Dibromochloromethane	0.451	0.447	0.9	108	-0.01
47 TMP 1,2-Dibromoethane (EDB)	0.360	0.362	-0.6	105	-0.01
48 TMP Chlorobenzene	0.993	0.992	0.1	105	0.00
49 TMP Ethylbenzene	1.557	1.556	0.1	104	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.387	0.390	-0.8	108	0.00
51 TMP m,p-Xylene	0.612	0.615	-0.5	105	0.00
52 TMP o-Xylene	0.591	0.604	-2.2	107	0.00
53 TMP Styrene	0.887	0.911	-2.7	104	0.00
54 TMP Isopropylbenzene	1.435	1.474	-2.7	104	0.00
55 TMP Bromoform	0.299	0.292	2.3	103	0.00
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	102	0.00
57 S 4-Bromofluorobenzene	0.689	0.675	2.0	100	0.00
58 TMP n-Propylbenzene	2.700	2.822	-4.5	103	0.00
59 TMP Bromobenzene	0.837	0.846	-1.1	104	0.00
60 TMP 1,3,5-Trimethylbenzene	1.968	2.074	-5.4	107	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.626	0.655	-4.6	107	0.00
62 TMP 1,2,3-Trichloropropane	0.486	0.486#	0.0	104	0.00
63 TMP 2-Chlorotoluene	1.617	1.652	-2.2	102	0.00
64 TMP 4-Chlorotoluene	1.912	1.959	-2.5	105	0.00
65 TMP tert-Butylbenzene	1.952	1.973	-1.1	106	0.00
66 TMP 1,2,4-Trimethylbenzene	1.996	2.147	-7.6	109	0.00
67 TMP sec-Butylbenzene	2.624	2.688	-2.4	104	0.00
68 TMP p-Isopropyltoluene	2.387	2.521	-5.6	108	0.00
69 TMP 1,3-Dichlorobenzene	1.530	1.525	0.3	103	0.00
70 TMP 1,4-Dichlorobenzene	1.564	1.561	0.2	104	0.00
71 TMP 1,2-Dichlorobenzene	1.455	1.465	-0.7	102	0.00
72 TMP 1,2-Dibromo-3-chloropropane	0.108	0.114	-5.6	111	0.00
73 TMP 1,2,4-Trichlorobenzene	0.971	0.918	5.5	102	0.00
74 TMP Hexachlorobutadiene	0.600	0.566	5.7	100	0.00
75 TMP Naphthalene	1.833	1.687	8.0	100	0.00
76 TMP 1,2,3-Trichlorobenzene	0.846	0.751	11.2	95	0.00

(#) = Out of Range

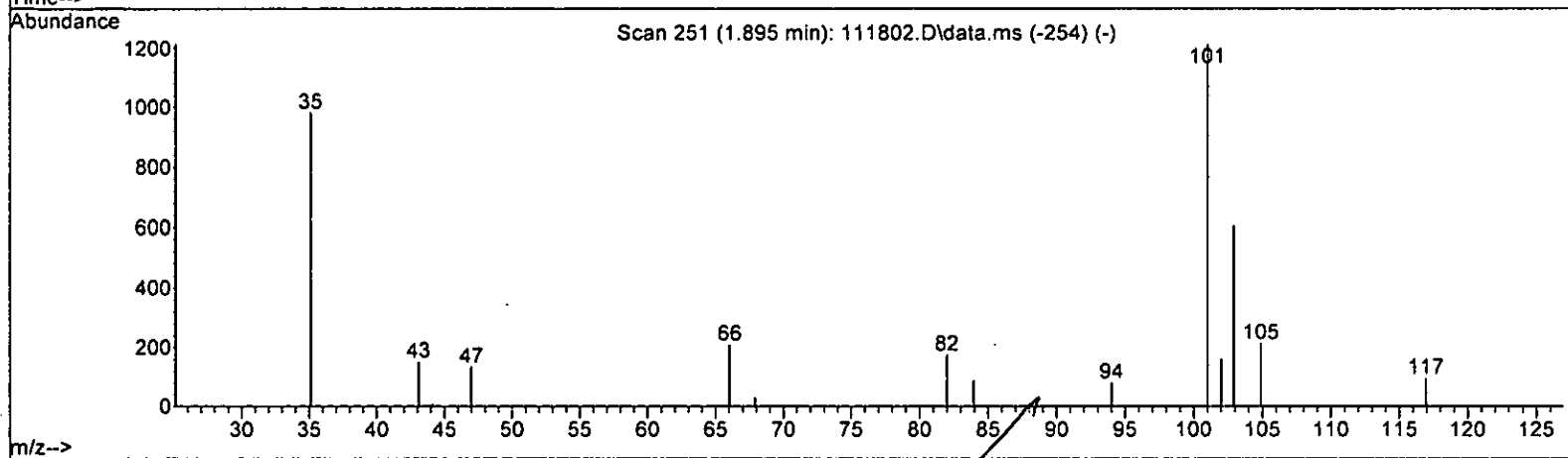
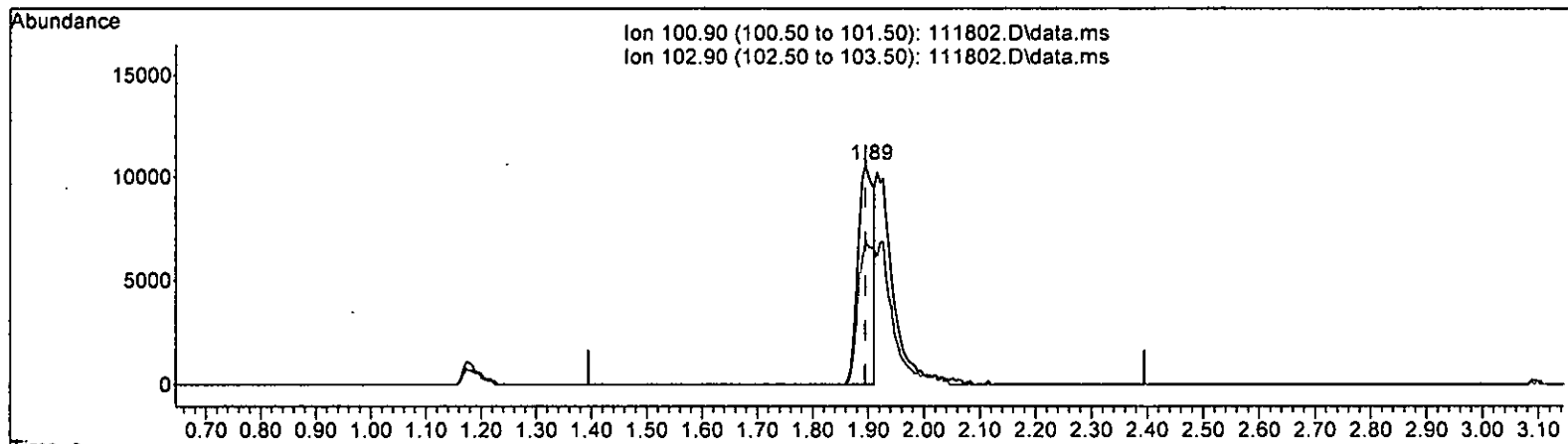
SPCC's out = 3 CCC's out = 0

EPA 8260D
CCV Summaries

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS4\11-18-22\
 Data File : 111802.D
 Acq On : 18 Nov 2022 5:48 am
 Operator : lm
 Sample : 10 ppb 8260 CCV 67-150N
 Misc : soil/water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 18 07:07:40 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



TIC: 111802.D\data.ms

M 11-18-22

(9) Trichlorofluoromethane (TMP)

1.895min (-0.000) 6.001 ppb

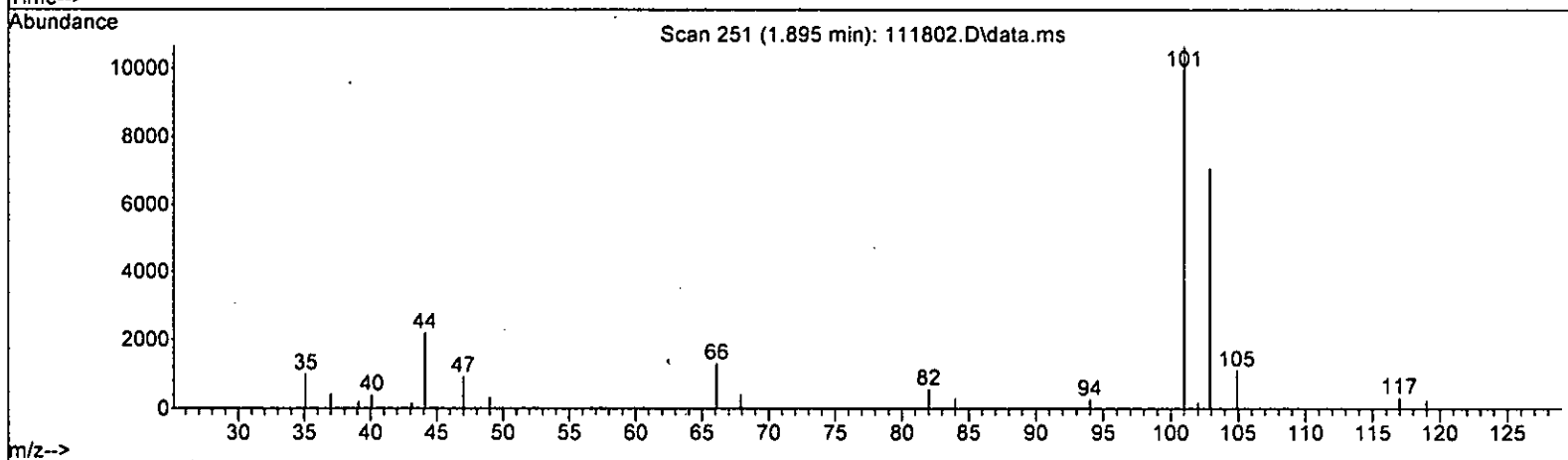
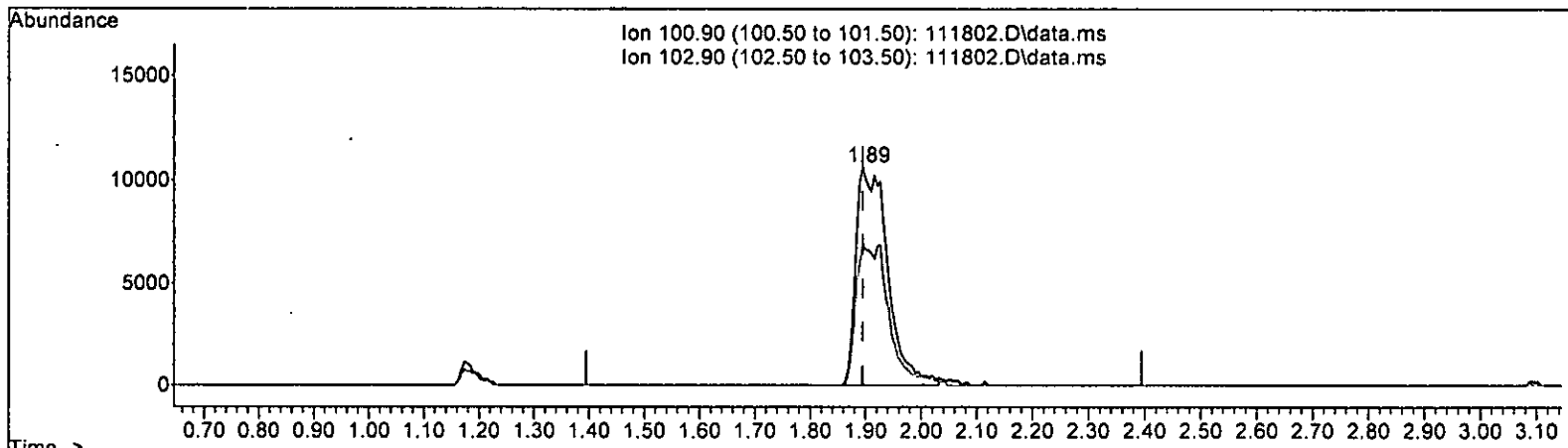
response 20530

Ion	Exp%	Act%
100.90	100.00	100.00
102.90	61.00	66.34
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS4\11-18-22\
 Data File : 111802.D
 Acq On : 18 Nov 2022 5:48 am
 Operator : lm
 Sample : 10 ppb 8260 CCV 67-150N
 Misc : soil/water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 18 07:07:40 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



TIC: 111802.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.895min (-0.000) 12.285 ppb m

response 42030

Ion	Exp%	Act%
100.90	100.00	100.00
102.90	61.00	66.34
0.00	0.00	0.00
0.00	0.00	0.00

lm 11.18.22

Data Path : Y:\Proc_GCMS4\11-18-22\
 Data File : 111802.D
 Acq On : 18 Nov 2022 5:48 am
 Operator : lm
 Sample : 10 ppb 8260 CCV 67-150N
 Misc : soil/water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 18 07:07:40 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) Fluorobenzene	4.78	96	60907	10.000	ppb	0.00	
39) Chlorobenzene-d5	7.43	117	57095	10.000	ppb	0.00	
56) 1,4-Dichlorobenzene-d4	9.65	152	37994	10.000	ppb	0.00	
System Monitoring Compounds							
3) Dibromofluoromethane	4.21	113	17516	10.461	ppb	0.00	
Spiked Amount	10.000	Range 0 - 1000	Recovery =	104.60%			
30) 1,2-Dichloroethane-d4	4.49	102	3706	9.583	ppb	0.00	
Spiked Amount	10.000	Range 90 - 109	Recovery =	95.80%			
35) Toluene-d8	6.14	98	64807	10.622	ppb	0.00	
Spiked Amount	10.000	Range 89 - 112	Recovery =	106.20%			
57) 4-Bromofluorobenzene	8.54	95	26586	9.978	ppb	0.00	
Spiked Amount	10.000	Range 84 - 115	Recovery =	99.80%			
Target Compounds							
2) Ethanol	0.00		0	N.D.			Qvalue
4) Dichlorodifluoromethane	1.18	85	24705	9.902	ppb	96	
5) Chloromethane	1.31	50	24648	10.656	ppb	98	
6) Vinyl chloride	1.40	62	24960	11.375	ppb	99	
7) Bromomethane	1.64	94	20411	20.004	ppb	96	
8) Chloroethane	1.71	64	13640	11.853	ppb	96	
9) Trichlorofluoromethane	1.89	101	42030m	12.285	ppb		
10) 2-Propanol	2.98	45	2900	No Calib			
11) Acetone	2.38	58	17176	105.157	ppb	99	
12) 1,1-Dichloroethene	2.32	96	21705	10.690	ppb	85	
13) Hexane	3.20	57	23091	10.879	ppb	96	
14) Methylene chloride	2.73	84	23810	10.881	ppb	89	
15) t-Butyl alcohol (TBA)	2.86	59	16527	52.961	ppb	91	
16) Methyl t-butyl ether (...)	2.98	73	62315	10.532	ppb	98	
17) trans-1,2-Dichloroethene	2.97	96	22543	10.489	ppb	# 79	
18) Diisopropyl ether (DIPE)	3.40	45	54758	10.118	ppb	95	
19) 1,1-Dichloroethane	3.32	63	34268	10.501	ppb	98	
20) Ethyl t-butyl ether (E...)	3.70	87	26913	10.397	ppb	87	
21) 2,2-Dichloropropane	3.81	77	25405	12.117	ppb	91	
22) cis-1,2-Dichloroethene	3.80	96	24793	10.656	ppb	# 80	
23) Chloroform	4.08	83	38747	10.958	ppb	99	
24) 2-Butanone (MEK)	3.83	43	63457	55.984	ppb	91	
25) t-Amyl methyl ether (T...)	4.65	73	60466	10.302	ppb	97	
26) 1,2-Dichloroethane (EDC)	4.55	62	28590	10.713	ppb	97	
27) 1,1,1-Trichloroethane	4.23	97	34823	10.739	ppb	94	
28) 1,1-Dichloropropene	4.37	75	29531	10.820	ppb	87	
29) Carbon tetrachloride	4.37	117	32801	11.237	ppb	99	
31) Benzene	4.54	78	83700	10.689	ppb	95	
32) Trichloroethene	5.09	95	24272	10.687	ppb	# 75	
33) 1,2-Dichloropropane	5.27	63	19286	11.133	ppb	98	
34) Bromodichloromethane	5.51	83	27574	10.488	ppb	94	
36) Dibromomethane	5.37	93	14928	11.361	ppb	82	

Data Path : Y:\Proc_GCMS4\11-18-22\
 Data File : 111802.D
 Acq On : 18 Nov 2022 5:48 am
 Operator : lm
 Sample : 10 ppb 8260 CCV 67-150N
 Misc : soil/water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS4

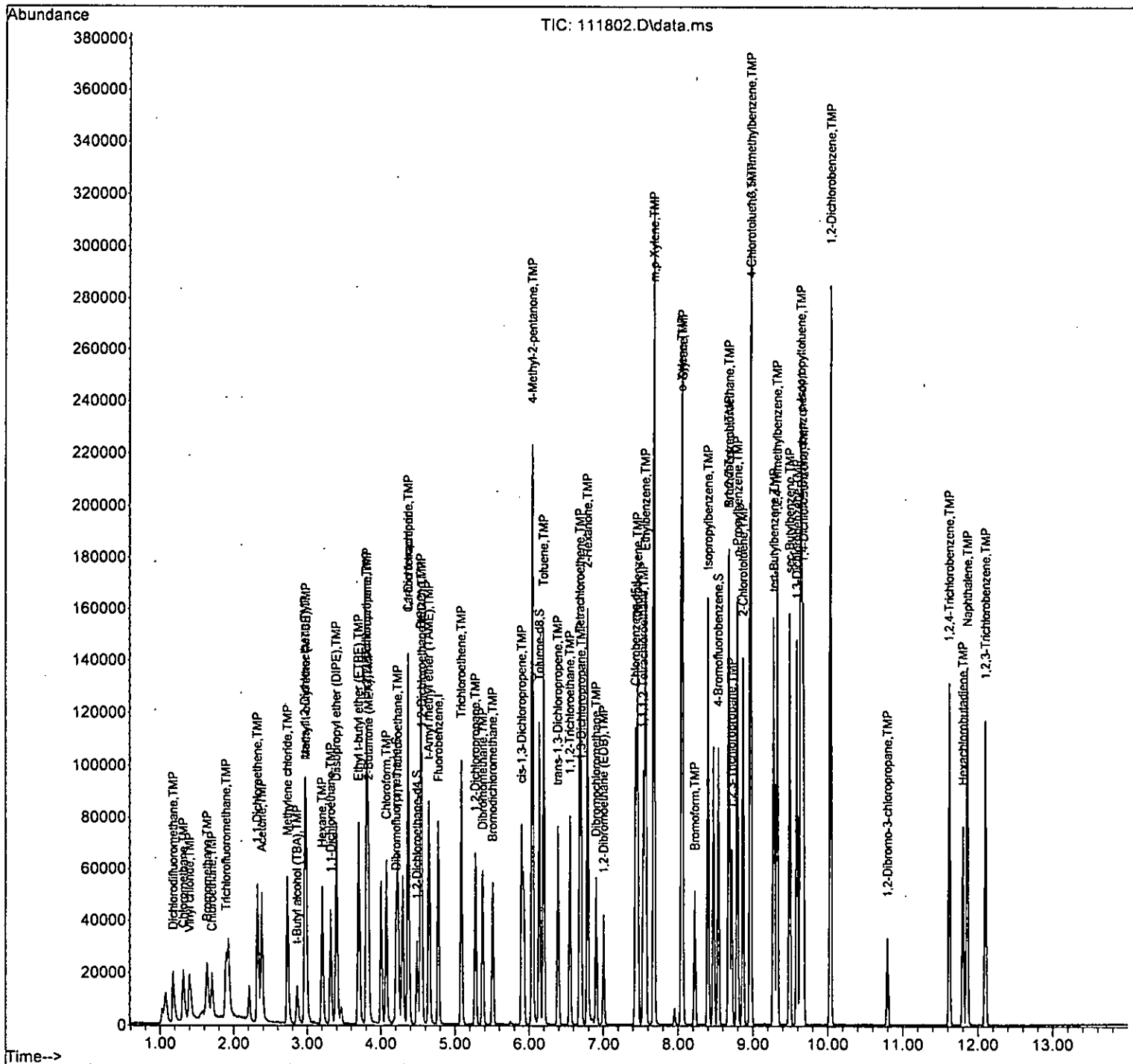
Quant Time: Nov 18 07:07:40 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	6.04	85	25125	53.648	ppb #	74
38) cis-1,3-Dichloropropene	5.90	75	32883	10.708	ppb	90
40) Toluene	6.19	92	53168	9.623	ppb	97
41) trans-1,3-Dichloropropene	6.39	75	30436	9.642	ppb	92
42) 1,1,2-Trichloroethane	6.55	83	16557	9.894	ppb	92
43) 2-Hexanone	6.79	43	82511	45.100	ppb	96
44) 1,3-Dichloropropane	6.70	76	30875	9.653	ppb	99
45) Tetrachloroethene	6.69	164	25415	10.332	ppb	98
46) Dibromochloromethane	6.90	129	25827	10.715	ppb	98
47) 1,2-Dibromoethane (EDB)	7.00	107	22156	9.745	ppb	99
48) Chlorobenzene	7.46	112	65526	9.996	ppb	86
49) Ethylbenzene	7.56	91	101709	9.654	ppb	93
50) 1,1,1,2-Tetrachloroethane	7.54	131	23890	9.833	ppb	95
51) m,p-Xylene	7.67	106	84341	19.803	ppb	89
52) o-Xylene	8.05	106	41268	9.752	ppb	84
53) Styrene	8.06	104	68480	9.534	ppb	90
54) Isopropylbenzene	8.40	105	99852	9.312	ppb	92
55) Bromoform	8.22	173	21839	11.156	ppb	96
58) n-Propylbenzene	8.79	91	113510	9.439	ppb	90
59) Bromobenzene	8.68	156	34269	9.849	ppb #	77
60) 1,3,5-Trimethylbenzene	8.97	105	85486	9.631	ppb	85
61) 1,1,2,2-Tetrachloroethane	8.68	83	29239	9.547	ppb	95
62) 1,2,3-Trichloropropane	8.72	75	22991	9.912	ppb	98
63) 2-Chlorotoluene	8.87	91	67901	9.458	ppb	87
64) 4-Chlorotoluene	8.97	91	80281	9.378	ppb	83
65) tert-Butylbenzene	9.28	119	75605	9.649	ppb	83
66) 1,2,4-Trimethylbenzene	9.32	105	88867	9.613	ppb	93
67) sec-Butylbenzene	9.49	105	101848	9.681	ppb	95
68) p-Isopropyltoluene	9.64	119	92753	9.666	ppb	92
69) 1,3-Dichlorobenzene	9.59	146	61213	9.920	ppb	94
70) 1,4-Dichlorobenzene	9.67	146	60418	9.492	ppb	94
71) 1,2-Dichlorobenzene	10.03	146	58748	9.695	ppb	92
72) 1,2-Dibromo-3-chloropr...	10.80	75	6242	9.831	ppb #	57
73) 1,2,4-Trichlorobenzene	11.62	180	42942	9.416	ppb	95
74) Hexachlorobutadiene	11.80	225	16641	9.466	ppb	99
75) Naphthalene	11.86	128	103084	9.176	ppb	99
76) 1,2,3-Trichlorobenzene	12.10	180	39100	9.059	ppb	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS4\11-18-22\
Data File : 111802.D
Acq On : 18 Nov 2022 5:48 am
Operator : lm
Sample : 10 ppb 8260 CCV 67-150N
Misc : soil/water
ALS Vial : 2 Sample Multiplier: 1
InstName : GCMS4

Quant Time: Nov 18 07:07:40 2022
Quant Method : Y:\Methods\Inst4\VB110822ms4.M
Quant Title : 8260 Purge & Trap Volatiles
QLast Update : Tue Nov 08 16:47:05 2022
Response via : Initial Calibration
DataAcq Meth:8260VM1.M



Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS4\11-18-22\
 Data File : 111802.D
 Acq On : 18 Nov 2022 5:48 am
 Operator : lm
 Sample : 10 ppb 8260 CCV 67-150N
 Misc : soil/water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 18 07:07:40 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I Fluorobenzene	10.000	10.000	0.0	71	0.00
2 TMP Ethanol	-1.000	0.000	0.0	0	-1.07#
3 S Dibromofluoromethane	10.000	10.461	-4.6	72	0.00
4 TMP Dichlorodifluoromethane	10.000	9.902	1.0	64	0.00
5 TMP Chloromethane	10.000	10.656	-6.6	71	0.00
6 TMP Vinyl chloride	10.000	11.375	-13.8	74	0.00
7 TMP Bromomethane	10.000	20.004	-100.0#	136	0.02
8 TMP Chloroethane	10.000	11.853	-18.5	83	0.01
9 TMP Trichlorofluoromethane	10.000	12.285	-22.9#	85	0.00
10 TMP 2-Propanol	-1.000	0.000	0.0	0	0.00
11 TMP Acetone	50.000	105.157	-110.3#	120	0.00
12 TMP 1,1-Dichloroethene	10.000	10.690	-6.9	78	0.00
13 TMP Hexane	10.000	10.879	-8.8	78	0.00
14 TMP Methylene chloride	10.000	10.881	-8.8	74	0.00
15 TMP t-Butyl alcohol (TBA)	50.000	52.961	-5.9	74	0.00
16 TMP Methyl t-butyl ether (MTBE)	10.000	10.532	-5.3	73	0.00
17 TMP trans-1,2-Dichloroethene	10.000	10.489	-4.9	75	0.00
18 TMP Diisopropyl ether (DIPE)	10.000	10.118	-1.2	73	0.00
19 TMP 1,1-Dichloroethane	10.000	10.501	-5.0	74	0.00
20 TMP Ethyl t-butyl ether (ETBE)	10.000	10.397	-4.0	73	0.00
21 TMP 2,2-Dichloropropane	10.000	12.117	-21.2#	82	0.00
22 TMP cis-1,2-Dichloroethene	10.000	10.656	-6.6	78	0.00
23 TMP Chloroform	10.000	10.958	-9.6	76	0.00
24 TMP 2-Butanone (MEK)	50.000	55.984	-12.0	85	0.00
25 TMP t-Amyl methyl ether (TAME)	10.000	10.302	-3.0	72	0.00
26 TMP 1,2-Dichloroethane (EDC)	10.000	10.713	-7.1	77	0.00
27 TMP 1,1,1-Trichloroethane	10.000	10.739	-7.4	76	0.00
28 TMP 1,1-Dichloropropene	10.000	10.820	-8.2	78	0.00
29 TMP Carbon tetrachloride	10.000	11.237	-12.4	81	0.00
30 S 1,2-Dichloroethane-d4	10.000	9.583	4.2	67	0.00
31 TMP Benzene	10.000	10.689	-6.9	77	0.00
32 TMP Trichloroethene	10.000	10.687	-6.9	79	0.00
33 TMP 1,2-Dichloropropane	10.000	11.133	-11.3	78	0.00
34 TMP Bromodichloromethane	10.000	10.488	-4.9	76	0.00
35 S Toluene-d8	10.000	10.622	-6.2	75	0.00
36 TMP Dibromomethane	10.000	11.361	-13.6	79	0.00
37 TMP 4-Methyl-2-pentanone	50.000	53.648	-7.3	77	0.00
38 TMP cis-1,3-Dichloropropene	10.000	10.708	-7.1	76	0.00
39 I Chlorobenzene-d5	10.000	10.000	0.0	78	0.00
40 TMP Toluene	10.000	9.623	3.8	77	0.00
41 TMP trans-1,3-Dichloropropene	10.000	9.642	3.6	76	0.00
42 TMP 1,1,2-Trichloroethane	10.000	9.894	1.1	79	0.00
43 TMP 2-Hexanone	50.000	45.100	9.8	72	0.00

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS4\11-18-22\
 Data File : 111802.D
 Acq On : 18 Nov 2022 5:48 am
 Operator : lm
 Sample : 10 ppb 8260 CCV 67-150N
 Misc : soil/water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 18 07:07:40 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	10.000	9.653	3.5	77	0.00
45 TMP Tetrachloroethene	10.000	10.332	-3.3	83	0.00
46 TMP Dibromochloromethane	10.000	10.715	-7.1	83	0.00
47 TMP 1,2-Dibromoethane (EDB)	10.000	9.745	2.6	77	0.00
48 TMP Chlorobenzene	10.000	9.996	0.0	79	0.00
49 TMP Ethylbenzene	10.000	9.654	3.5	77	0.00
50 TMP 1,1,1,2-Tetrachloroethane	10.000	9.833	1.7	77	0.00
51 TMP m,p-Xylene	20.000	19.803	1.0	79	0.00
52 TMP o-Xylene	10.000	9.752	2.5	78	0.00
53 TMP Styrene	10.000	9.534	4.7	74	0.00
54 TMP Isopropylbenzene	10.000	9.312	6.9	74	0.00
55 TMP Bromoform	10.000	11.156	-11.6	83	0.00
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	78	0.00
57 S 4-Bromofluorobenzene	10.000	9.978	0.2	78	0.00
58 TMP n-Propylbenzene	10.000	9.439	5.6	76	0.00
59 TMP Bromobenzene	10.000	9.849	1.5	77	0.00
60 TMP 1,3,5-Trimethylbenzene	10.000	9.631	3.7	78	0.00
61 TMP 1,1,2,2-Tetrachloroethane	10.000	9.547	4.5	74	0.00
62 TMP 1,2,3-Trichloropropane	10.000	9.912	0.9	76	0.00
63 TMP 2-Chlorotoluene	10.000	9.458	5.4	76	0.00
64 TMP 4-Chlorotoluene	10.000	9.378	6.2	75	0.00
65 TMP tert-Butylbenzene	10.000	9.649	3.5	77	0.00
66 TMP 1,2,4-Trimethylbenzene	10.000	9.613	3.9	78	0.00
67 TMP sec-Butylbenzene	10.000	9.681	3.2	78	0.00
68 TMP p-Isopropyltoluene	10.000	9.666	3.3	78	0.00
69 TMP 1,3-Dichlorobenzene	10.000	9.920	0.8	78	0.00
70 TMP 1,4-Dichlorobenzene	10.000	9.492	5.1	76	0.00
71 TMP 1,2-Dichlorobenzene	10.000	9.695	3.0	77	0.00
72 TMP 1,2-Dibromo-3-chloropropane	10.000	9.831	1.7	76	0.00
73 TMP 1,2,4-Trichlorobenzene	10.000	9.416	5.8	75	0.00
74 TMP Hexachlorobutadiene	10.000	9.466	5.3	78	0.00
75 TMP Naphthalene	10.000	9.176	8.2	72	0.00
76 TMP 1,2,3-Trichlorobenzene	10.000	9.059	9.4	71	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS4\11-18-22\
 Data File : 111802.D
 Acq On : 18 Nov 2022 5:48 am
 Operator : lm
 Sample : 10 ppb 8260 CCV 67-150N
 Misc : soil/water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 18 07:07:40 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I Fluorobenzene	1.000	1.000	0.0	71	0.00
2 TMP Ethanol	0.000	0.000#	0.0	0#	-1.07#
3 S Dibromofluoromethane	0.275	0.288	-4.7	72	0.00
4 TMP Dichlorodifluoromethane	0.410	0.406	1.0	64	0.00
5 TMP Chloromethane	0.380	0.405	-6.6	71	0.00
6 TMP Vinyl chloride	0.360	0.410	-13.9	74	0.00
7 TMP Bromomethane	0.168	0.335	-99.4#	136	0.02
8 TMP Chloroethane	0.189	0.224	-18.5	83	0.01
9 TMP Trichlorofluoromethane	0.562	0.690	-22.8#	85	0.00
10 TMP 2-Propanol	0.000	0.000	0.0	0#	0.00
11 TMP Acetone	0.037	0.056	-51.4#	120	0.00
12 TMP 1,1-Dichloroethene	0.333	0.356	-6.9	78	0.00
13 TMP Hexane	0.348	0.379	-8.9	78	0.00
14 TMP Methylene chloride	0.369	0.391	-6.0	74	0.00
15 TMP t-Butyl alcohol (TBA)	0.051	0.054	-5.9	74	0.00
16 TMP Methyl t-butyl ether (MTBE)	0.971	1.023	-5.4	73	0.00
17 TMP trans-1,2-Dichloroethene	0.353	0.370	-4.8	75	0.00
18 TMP Diisopropyl ether (DIPE)	0.889	0.899	-1.1	73	0.00
19 TMP 1,1-Dichloroethane	0.536	0.563	-5.0	74	0.00
20 TMP Ethyl t-butyl ether (ETBE)	0.425	0.442	-4.0	73	0.00
21 TMP 2,2-Dichloropropane	0.352	0.417	-18.5	82	0.00
22 TMP cis-1,2-Dichloroethene	0.382	0.407	-6.5	78	0.00
23 TMP Chloroform	0.583	0.636	-9.1	76	0.00
24 TMP 2-Butanone (MEK)	0.186	0.208	-11.8	85	0.00
25 TMP t-Amyl methyl ether (TAME)	0.964	0.993	-3.0	72	0.00
26 TMP 1,2-Dichloroethane (EDC)	0.438	0.469	-7.1	77	0.00
27 TMP 1,1,1-Trichloroethane	0.532	0.572	-7.5	76	0.00
28 TMP 1,1-Dichloropropene	0.448	0.485	-8.3	78	0.00
29 TMP Carbon tetrachloride	0.479	0.539	-12.5	81	0.00
30 S 1,2-Dichloroethane-d4	0.063	0.061	3.2	67	0.00
31 TMP Benzene	1.286	1.374	-6.8	77	0.00
32 TMP Trichloroethene	0.373	0.399	-7.0	79	0.00
33 TMP 1,2-Dichloropropane	0.284	0.317	-11.6	78	0.00
34 TMP Bromodichloromethane	0.432	0.453	-4.9	76	0.00
35 S Toluene-d8	1.002	1.064	-6.2	75	0.00
36 TMP Dibromomethane	0.216	0.245	-13.4	79	0.00
37 TMP 4-Methyl-2-pentanone	0.077	0.083	-7.8	77	0.00
38 TMP cis-1,3-Dichloropropene	0.504	0.540	-7.1	76	0.00
39 I Chlorobenzene-d5	1.000	1.000	0.0	78	0.00
40 TMP Toluene	0.968	0.931	3.8	77	0.00
41 TMP trans-1,3-Dichloropropene	0.553	0.533	3.6	76	0.00
42 TMP 1,1,2-Trichloroethane	0.293	0.290	1.0	79	0.00
43 TMP 2-Hexanone	0.320	0.289	9.7	72	0.00

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS4\11-18-22\
 Data File : 111802.D
 Acq On : 18 Nov 2022 5:48 am
 Operator : lm
 Sample : 10 ppb 8260 CCV 67-150N
 Misc : soil/water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 18 07:07:40 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.560	0.541	3.4	77	0.00
45 TMP Tetrachloroethene	0.431	0.445	-3.2	83	0.00
46 TMP Dibromochloromethane	0.429	0.452	-5.4	83	0.00
47 TMP 1,2-Dibromoethane (EDB)	0.398	0.388	2.5	77	0.00
48 TMP Chlorobenzene	1.148	1.148	0.0	79	0.00
49 TMP Ethylbenzene	1.845	1.781	3.5	77	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.426	0.418	1.9	77	0.00
51 TMP m,p-Xylene	0.746	0.739	0.9	79	0.00
52 TMP o-Xylene	0.741	0.723	2.4	78	0.00
53 TMP Styrene	1.258	1.199	4.7	74	0.00
54 TMP Isopropylbenzene	1.878	1.749	6.9	74	0.00
55 TMP Bromoform	0.362	0.383	-5.8	83	0.00
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	78	0.00
57 S 4-Bromofluorobenzene	0.701	0.700	0.1	78	0.00
58 TMP n-Propylbenzene	3.165	2.988	5.6	76	0.00
59 TMP Bromobenzene	0.916	0.902	1.5	77	0.00
60 TMP 1,3,5-Trimethylbenzene	2.336	2.250	3.7	78	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.806	0.770	4.5	74	0.00
62 TMP 1,2,3-Trichloropropane	0.610	0.605	0.8	76	0.00
63 TMP 2-Chlorotoluene	1.890	1.787	5.4	76	0.00
64 TMP 4-Chlorotoluene	2.253	2.113	6.2	75	0.00
65 TMP tert-Butylbenzene	2.062	1.990	3.5	77	0.00
66 TMP 1,2,4-Trimethylbenzene	2.433	2.339	3.9	78	0.00
67 TMP sec-Butylbenzene	2.769	2.681	3.2	78	0.00
68 TMP p-Isopropyltoluene	2.526	2.441	3.4	78	0.00
69 TMP 1,3-Dichlorobenzene	1.624	1.611	0.8	78	0.00
70 TMP 1,4-Dichlorobenzene	1.675	1.590	5.1	76	0.00
71 TMP 1,2-Dichlorobenzene	1.595	1.546	3.1	77	0.00
72 TMP 1,2-Dibromo-3-chloropropane	0.167	0.164	1.8	76	0.00
73 TMP 1,2,4-Trichlorobenzene	1.200	1.130	5.8	75	0.00
74 TMP Hexachlorobutadiene	0.463	0.438	5.4	78	0.00
75 TMP Naphthalene	2.957	2.713	8.3	72	0.00
76 TMP 1,2,3-Trichlorobenzene	1.136	1.029	9.4	71	0.00

(#) = Out of Range

SPCC's out = 1 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS4\11-18-22\
 Data File : 111810.D
 Acq On : 18 Nov 2022 5:45 pm
 Operator : lm
 Sample : 10 ppb 8260 CCV 67-192N
 Misc : soil/water
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 22 09:07:50 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I Fluorobenzene	10.000	10.000	0.0	67	0.00
2 TMP Ethanol	-1.000	0.000	0.0	24	0.02
3 S Dibromofluoromethane	10.000	10.137	-1.4	67	0.00
4 TMP Dichlorodifluoromethane	10.000	12.303	-23.0#	76	0.00
5 TMP Chloromethane	10.000	12.443	-24.4#	79	0.00
6 TMP Vinyl chloride	10.000	12.893	-28.9#	80	0.00
7 TMP Bromomethane	10.000	11.616	-16.2	75	0.00
8 TMP Chloroethane	10.000	12.511	-25.1#	83	0.00
9 TMP Trichlorofluoromethane	10.000	14.094	-40.9#	93	0.00
10 TMP 2-Propanol	-1.000	0.000	0.0	0	0.00
11 TMP Acetone	50.000	108.631	-117.3#	118	0.00
12 TMP 1,1-Dichloroethene	10.000	11.267	-12.7	78	0.00
13 TMP Hexane	10.000	12.539	-25.4#	86	0.00
14 TMP Methylene chloride	10.000	12.881	-28.8#	81	0.00
15 TMP t-Butyl alcohol (TBA)	50.000	63.128	-26.3#	84	0.00
16 TMP Methyl t-butyl ether (MTBE)	10.000	11.544	-15.4	76	0.00
17 TMP trans-1,2-Dichloroethene	10.000	11.153	-11.5	76	0.00
18 TMP Diisopropyl ether (DIPE)	10.000	11.273	-12.7	77	0.00
19 TMP 1,1-Dichloroethane	10.000	11.563	-15.6	78	0.00
20 TMP Ethyl t-butyl ether (ETBE)	10.000	11.388	-13.9	76	0.00
21 TMP 2,2-Dichloropropane	10.000	13.078	-30.8#	84	0.00
22 TMP cis-1,2-Dichloroethene	10.000	11.444	-14.4	79	0.00
23 TMP Chloroform	10.000	11.821	-18.2	78	0.00
24 TMP 2-Butanone (MEK)	50.000	59.681	-19.4	86	0.00
25 TMP t-Amyl methyl ether (TAME)	10.000	11.281	-12.8	75	0.00
26 TMP 1,2-Dichloroethane (EDC)	10.000	11.745	-17.4	80	0.00
27 TMP 1,1,1-Trichloroethane	10.000	11.633	-16.3	78	0.00
28 TMP 1,1-Dichloropropene	10.000	11.859	-18.6	82	0.00
29 TMP Carbon tetrachloride	10.000	12.091	-20.9#	83	0.00
30 S 1,2-Dichloroethane-d4	10.000	9.910	0.9	66	0.00
31 TMP Benzene	10.000	11.928	-19.3	82	0.00
32 TMP Trichloroethene	10.000	11.474	-14.7	81	0.00
33 TMP 1,2-Dichloropropane	10.000	12.183	-21.8#	81	0.00
34 TMP Bromodichloromethane	10.000	11.666	-16.7	81	0.00
35 S Toluene-d8	10.000	10.793	-7.9	72	0.00
36 TMP Dibromomethane	10.000	12.312	-23.1#	82	0.00
37 TMP 4-Methyl-2-pentanone	50.000	58.415	-16.8	80	0.00
38 TMP cis-1,3-Dichloropropene	10.000	11.934	-19.3	80	0.00
39 I Chlorobenzene-d5	10.000	10.000	0.0	76	0.00
40 TMP Toluene	10.000	10.667	-6.7	83	0.00
41 TMP trans-1,3-Dichloropropene	10.000	10.698	-7.0	82	0.00
42 TMP 1,1,2-Trichloroethane	10.000	10.880	-8.8	84	0.00
43 TMP 2-Hexanone	50.000	47.276	5.4	72	0.00

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS4\11-18-22\
 Data File : 111810.D
 Acq On : 18 Nov 2022 5:45 pm
 Operator : lm
 Sample : 10 ppb 8260 CCV 67-192N
 Misc : soil/water
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 22 09:07:50 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	10.000	10.630	-6.3	82	0.00
45 TMP Tetrachloroethene	10.000	11.121	-11.2	87	0.00
46 TMP Dibromochloromethane	10.000	11.207	-12.1	84	0.00
47 TMP 1,2-Dibromoethane (EDB)	10.000	10.833	-8.3	82	0.00
48 TMP Chlorobenzene	10.000	10.954	-9.5	83	0.00
49 TMP Ethylbenzene	10.000	10.611	-6.1	82	0.00
50 TMP 1,1,1,2-Tetrachloroethane	10.000	10.376	-3.8	79	0.00
51 TMP m,p-Xylene	20.000	21.491	-7.5	83	0.00
52 TMP o-Xylene	10.000	10.666	-6.7	82	0.00
53 TMP Styrene	10.000	10.356	-3.6	78	0.00
54 TMP Isopropylbenzene	10.000	10.034	-0.3	77	0.00
55 TMP Bromoform	10.000	11.831	-18.3	85	0.00
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	76	0.00
57 S 4-Bromofluorobenzene	10.000	9.941	0.6	75	0.00
58 TMP n-Propylbenzene	10.000	10.362	-3.6	80	0.00
59 TMP Bromobenzene	10.000	10.674	-6.7	80	0.00
60 TMP 1,3,5-Trimethylbenzene	10.000	10.274	-2.7	80	0.00
61 TMP 1,1,2,2-Tetrachloroethane	10.000	10.380	-3.8	78	0.00
62 TMP 1,2,3-Trichloropropane	10.000	10.525	-5.3	78	0.00
63 TMP 2-Chlorotoluene	10.000	10.358	-3.6	80	0.00
64 TMP 4-Chlorotoluene	10.000	10.229	-2.3	79	0.00
65 TMP tert-Butylbenzene	10.000	10.415	-4.1	80	0.00
66 TMP 1,2,4-Trimethylbenzene	10.000	10.289	-2.9	80	0.00
67 TMP sec-Butylbenzene	10.000	10.307	-3.1	80	0.00
68 TMP p-Isopropyltoluene	10.000	10.357	-3.6	81	0.00
69 TMP 1,3-Dichlorobenzene	10.000	10.663	-6.6	81	0.00
70 TMP 1,4-Dichlorobenzene	10.000	10.198	-2.0	79	0.00
71 TMP 1,2-Dichlorobenzene	10.000	10.192	-1.9	78	0.00
72 TMP 1,2-Dibromo-3-chloropropane	10.000	10.448	-4.5	78	0.00
73 TMP 1,2,4-Trichlorobenzene	10.000	10.500	-5.0	81	0.00
74 TMP Hexachlorobutadiene	10.000	11.075	-10.7	88	0.00
75 TMP Naphthalene	10.000	10.113	-1.1	77	0.00
76 TMP 1,2,3-Trichlorobenzene	10.000	10.459	-4.6	79	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS4\11-18-22\
 Data File : 111810.D
 Acq On : 18 Nov 2022 5:45 pm
 Operator : lm
 Sample : 10 ppb 8260 CCV 67-192N
 Misc : soil/water
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 22 09:07:50 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I Fluorobenzene	1.000	1.000	0.0	67	0.00
2 TMP Ethanol	0.000	0.000#	0.0	24#	0.02
3 S Dibromofluoromethane	0.275	0.279	-1.5	67	0.00
4 TMP Dichlorodifluoromethane	0.410	0.504	-22.9#	76	0.00
5 TMP Chloromethane	0.380	0.473	-24.5#	79	0.00
6 TMP Vinyl chloride	0.360	0.465	-29.2#	80	0.00
7 TMP Bromomethane	0.168	0.195	-16.1	75	0.00
8 TMP Chloroethane	0.189	0.236	-24.9#	83	0.00
9 TMP Trichlorofluoromethane	0.562	0.792	-40.9#	93	0.00
10 TMP 2-Propanol	0.000	0.000	0.0	0#	0.00
11 TMP Acetone	0.037	0.058	-56.8#	118	0.00
12 TMP 1,1-Dichloroethene	0.333	0.376	-12.9	78	0.00
13 TMP Hexane	0.348	0.437	-25.6#	86	0.00
14 TMP Methylene chloride	0.369	0.454	-23.0#	81	0.00
15 TMP t-Butyl alcohol (TBA)	0.051	0.065	-27.5#	84	0.00
16 TMP Methyl t-butyl ether (MTBE)	0.971	1.121	-15.4	76	0.00
17 TMP trans-1,2-Dichloroethene	0.353	0.394	-11.6	76	0.00
18 TMP Diisopropyl ether (DIPE)	0.889	1.002	-12.7	77	0.00
19 TMP 1,1-Dichloroethane	0.536	0.619	-15.5	78	0.00
20 TMP Ethyl t-butyl ether (ETBE)	0.425	0.484	-13.9	76	0.00
21 TMP 2,2-Dichloropropane	0.352	0.450	-27.8#	84	0.00
22 TMP cis-1,2-Dichloroethene	0.382	0.437	-14.4	79	0.00
23 TMP Chloroform	0.583	0.686	-17.7	78	0.00
24 TMP 2-Butanone (MEK)	0.186	0.222	-19.4	86	0.00
25 TMP t-Amyl methyl ether (TAME)	0.964	1.087	-12.8	75	0.00
26 TMP 1,2-Dichloroethane (EDC)	0.438	0.515	-17.6	80	0.00
27 TMP 1,1,1-Trichloroethane	0.532	0.619	-16.4	78	0.00
28 TMP 1,1-Dichloropropene	0.448	0.531	-18.5	82	0.00
29 TMP Carbon tetrachloride	0.479	0.579	-20.9#	83	0.00
30 S 1,2-Dichloroethane-d4	0.063	0.063	0.0	66	0.00
31 TMP Benzene	1.286	1.533	-19.2	82	0.00
32 TMP Trichloroethene	0.373	0.428	-14.7	81	0.00
33 TMP 1,2-Dichloropropane	0.284	0.347	-22.2#	81	0.00
34 TMP Bromodichloromethane	0.432	0.504	-16.7	81	0.00
35 S Toluene-d8	1.002	1.081	-7.9	72	0.00
36 TMP Dibromomethane	0.216	0.266	-23.1#	82	0.00
37 TMP 4-Methyl-2-pentanone	0.077	0.090	-16.9	80	0.00
38 TMP cis-1,3-Dichloropropene	0.504	0.602	-19.4	80	0.00
39 I Chlorobenzene-d5	1.000	1.000	0.0	76	0.00
40 TMP Toluene	0.968	1.032	-6.6	83	0.00
41 TMP trans-1,3-Dichloropropene	0.553	0.591	-6.9	82	0.00
42 TMP 1,1,2-Trichloroethane	0.293	0.319	-8.9	84	0.00
43 TMP 2-Hexanone	0.320	0.303	5.3	72	0.00

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS4\11-18-22\
 Data File : 111810.D
 Acq On : 18 Nov 2022 5:45 pm
 Operator : lm
 Sample : 10 ppb 8260 CCV 67-192N
 Misc : soil/water
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 22 09:07:50 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.560	0.596	-6.4	82	0.00
45 TMP Tetrachloroethene	0.431	0.479	-11.1	87	0.00
46 TMP Dibromochloromethane	0.429	0.473	-10.3	84	0.00
47 TMP 1,2-Dibromoethane (EDB)	0.398	0.431	-8.3	82	0.00
48 TMP Chlorobenzene	1.148	1.258	-9.6	83	0.00
49 TMP Ethylbenzene	1.845	1.958	-6.1	82	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.426	0.442	-3.8	79	0.00
51 TMP m,p-Xylene	0.746	0.802	-7.5	83	0.00
52 TMP o-Xylene	0.741	0.791	-6.7	82	0.00
53 TMP Styrene	1.258	1.303	-3.6	78	0.00
54 TMP Isopropylbenzene	1.878	1.884	-0.3	77	0.00
55 TMP Bromoform	0.362	0.406	-12.2	85	0.00
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	76	0.00
57 S 4-Bromofluorobenzene	0.701	0.697	0.6	75	0.00
58 TMP n-Propylbenzene	3.165	3.280	-3.6	80	0.00
59 TMP Bromobenzene	0.916	0.978	-6.8	80	0.00
60 TMP 1,3,5-Trimethylbenzene	2.336	2.400	-2.7	80	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.806	0.837	-3.8	78	0.00
62 TMP 1,2,3-Trichloropropane	0.610	0.642	-5.2	78	0.00
63 TMP 2-Chlorotoluene	1.890	1.957	-3.5	80	0.00
64 TMP 4-Chlorotoluene	2.253	2.305	-2.3	79	0.00
65 TMP tert-Butylbenzene	2.062	2.148	-4.2	80	0.00
66 TMP 1,2,4-Trimethylbenzene	2.433	2.503	-2.9	80	0.00
67 TMP sec-Butylbenzene	2.769	2.854	-3.1	80	0.00
68 TMP p-Isopropyltoluene	2.526	2.616	-3.6	81	0.00
69 TMP 1,3-Dichlorobenzene	1.624	1.732	-6.7	81	0.00
70 TMP 1,4-Dichlorobenzene	1.675	1.709	-2.0	79	0.00
71 TMP 1,2-Dichlorobenzene	1.595	1.626	-1.9	78	0.00
72 TMP 1,2-Dibromo-3-chloropropane	0.167	0.175	-4.8	78	0.00
73 TMP 1,2,4-Trichlorobenzene	1.200	1.260	-5.0	81	0.00
74 TMP Hexachlorobutadiene	0.463	0.512	-10.6	88	0.00
75 TMP Naphthalene	2.957	2.990	-1.1	77	0.00
76 TMP 1,2,3-Trichlorobenzene	1.136	1.188	-4.6	79	0.00

(#) = Out of Range

SPCC's out = 1 CCC's out = 0

Data Path : Y:\Proc_GCMS4\11-18-22\
 Data File : 111810.D
 Acq On : 18 Nov 2022 5:45 pm
 Operator : lm
 Sample : 10 ppb 8260 CCV 67-192N
 Misc : soil/water
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 22 09:07:50 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	4.77	96	57896	10.000	ppb	0.00
39) Chlorobenzene-d5	7.43	117	55214	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.65	152	36746	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.21	113	16134	10.137	ppb	0.00
Spiked Amount	10.000	Range	0 - 1000	Recovery	=	101.40%
30) 1,2-Dichloroethane-d4	4.49	102	3643	9.910	ppb	0.00
Spiked Amount	10.000	Range	90 - 109	Recovery	=	99.10%
35) Toluene-d8	6.14	98	62595	10.793	ppb	0.00
Spiked Amount	10.000	Range	89 - 112	Recovery	=	107.90%
57) 4-Bromofluorobenzene	8.54	95	25618	9.941	ppb	0.00
Spiked Amount	10.000	Range	84 - 115	Recovery	=	99.40%
Target Compounds						
2) Ethanol	1.08	45	880	No Calib	#	
4) Dichlorodifluoromethane	1.18	85	29176	12.303	ppb	100
5) Chloromethane	1.32	50	27360	12.443	ppb	100
6) Vinyl chloride	1.40	62	26894	12.893	ppb	98
7) Bromomethane	1.63	94	11266	11.616	ppb	98
8) Chloroethane	1.70	64	13686	12.511	ppb	97
9) Trichlorofluoromethane	1.89	101	45834m	14.094	ppb	
10) 2-Propanol	2.98	45	3073	No Calib		
11) Acetone	2.39	58	16903	108.631	ppb	# 84
12) 1,1-Dichloroethene	2.32	96	21746	11.267	ppb	# 78
13) Hexane	3.20	57	25299	12.539	ppb	95
14) Methylene chloride	2.73	84	26256	12.881	ppb	87
15) t-Butyl alcohol (TBA)	2.87	59	18726	63.128	ppb	98
16) Methyl t-butyl ether (...)	2.99	73	64928	11.544	ppb	98
17) trans-1,2-Dichloroethene	2.97	96	22786	11.153	ppb	84
18) Diisopropyl ether (DIPE)	3.40	45	57992	11.273	ppb	95
19) 1,1-Dichloroethane	3.32	63	35866	11.563	ppb	98
20) Ethyl t-butyl ether (E...)	3.70	87	28019	11.388	ppb	85
21) 2,2-Dichloropropane	3.81	77	26027	13.078	ppb	94
22) cis-1,2-Dichloroethene	3.80	96	25310	11.444	ppb	# 82
23) Chloroform	4.08	83	39729	11.821	ppb	99
24) 2-Butanone (MEK)	3.83	43	64303	59.681	ppb	94
25) t-Amyl methyl ether (T...)	4.65	73	62938	11.281	ppb	99
26) 1,2-Dichloroethane (EDC)	4.55	62	29794	11.745	ppb	95
27) 1,1,1-Trichloroethane	4.23	97	35857	11.633	ppb	93
28) 1,1-Dichloropropene	4.36	75	30767	11.859	ppb	90
29) Carbon tetrachloride	4.37	117	33550	12.091	ppb	97
31) Benzene	4.54	78	88779	11.928	ppb	95
32) Trichloroethene	5.09	95	24770	11.474	ppb	# 76
33) 1,2-Dichloropropane	5.27	63	20062	12.183	ppb	99
34) Bromodichloromethane	5.51	83	29156	11.666	ppb	97
36) Dibromomethane	5.37	93	15378	12.312	ppb	89

Data Path : Y:\Proc_GCMS4\11-18-22\
 Data File : 111810.D
 Acq On : 18 Nov 2022 5:45 pm
 Operator : lm
 Sample : 10 ppb 8260 CCV.67-192N
 Misc : soil/water
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 22 09:07:50 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

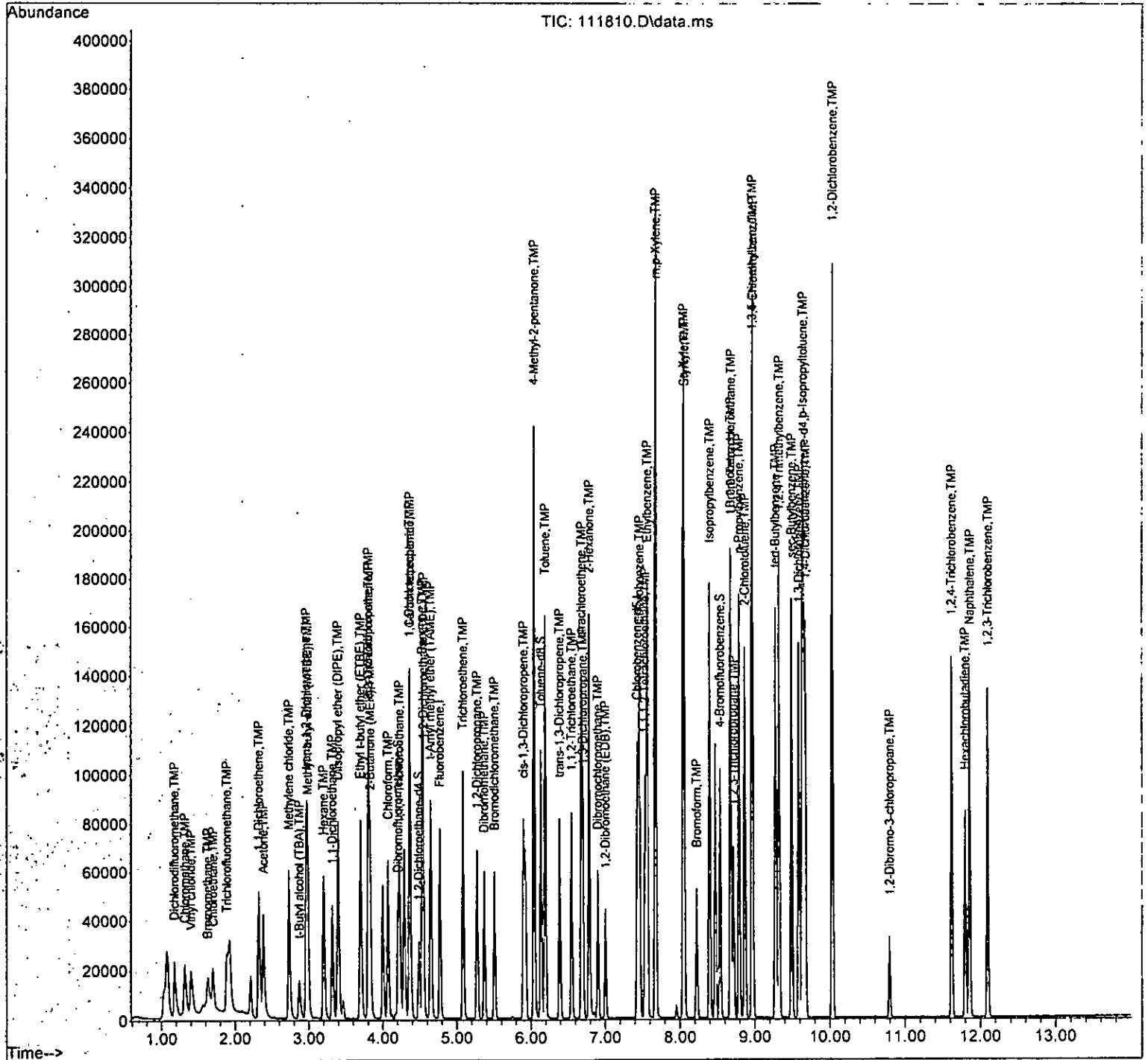
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	6.04	85	26005	58.415	ppb	# 79
38) cis-1,3-Dichloropropene	5.90	75	34838	11.934	ppb	90
40) Toluene	6.19	92	56996	10.667	ppb	98
41) trans-1,3-Dichloropropene	6.39	75	32656	10.698	ppb	92
42) 1,1,2-Trichloroethane	6.55	83	17606	10.880	ppb	92
43) 2-Hexanone	6.79	43	83642	47.276	ppb	98
44) 1,3-Dichloropropane	6.70	76	32881	10.630	ppb	98
45) Tetrachloroethene	6.68	164	26454	11.121	ppb	96
46) Dibromochloromethane	6.90	129	26138	11.207	ppb	99
47) 1,2-Dibromoethane (EDB)	7.00	107	23817	10.833	ppb	100
48) Chlorobenzene	7.46	112	69436	10.954	ppb	89
49) Ethylbenzene	7.56	91	108105	10.611	ppb	93
50) 1,1,1,2-Tetrachloroethane	7.54	131	24381	10.376	ppb	96
51) m,p-Xylene	7.67	106	88512	21.491	ppb	88
52) o-Xylene	8.05	106	43650	10.666	ppb	88
53) Styrene	8.06	104	71932	10.356	ppb	89
54) Isopropylbenzene	8.40	105	104044	10.034	ppb	94
55) Bromoform	8.22	173	22422	11.831	ppb	96
58) n-Propylbenzene	8.79	91	120522	10.362	ppb	94
59) Bromobenzene	8.67	156	35921	10.674	ppb	# 84
60) 1,3,5-Trimethylbenzene	8.96	105	88201	10.274	ppb	89
61) 1,1,2,2-Tetrachloroethane	8.68	83	30746	10.380	ppb	94
62) 1,2,3-Trichloropropane	8.72	75	23609	10.525	ppb	99
63) 2-Chlorotoluene	8.87	91	71917	10.358	ppb	84
64) 4-Chlorotoluene	8.97	91	84689	10.229	ppb	85
65) tert-Butylbenzene	9.27	119	78928	10.415	ppb	85
66) 1,2,4-Trimethylbenzene	9.32	105	91985	10.289	ppb	90
67) sec-Butylbenzene	9.49	105	104873	10.307	ppb	92
68) p-Isopropyltoluene	9.64	119	96116	10.357	ppb	92
69) 1,3-Dichlorobenzene	9.59	146	63634	10.663	ppb	92
70) 1,4-Dichlorobenzene	9.67	146	62784	10.198	ppb	95
71) 1,2-Dichlorobenzene	10.03	146	59733	10.192	ppb	95
72) 1,2-Dibromo-3-chloropr...	10.80	75	6416	10.448	ppb	# 63
73) 1,2,4-Trichlorobenzene	11.62	180	46312	10.500	ppb	96
74) Hexachlorobutadiene	11.80	225	18829	11.075	ppb	98
75) Naphthalene	11.86	128	109876	10.113	ppb	99
76) 1,2,3-Trichlorobenzene	12.10	180	43660	10.459	ppb	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS4\11-18-22\
 Data File : 111810.D
 Acq On : 18 Nov 2022 5:45 pm
 Operator : lm
 Sample : 10 ppb 8260 CCV 67-192N
 Misc : soil/water
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS4

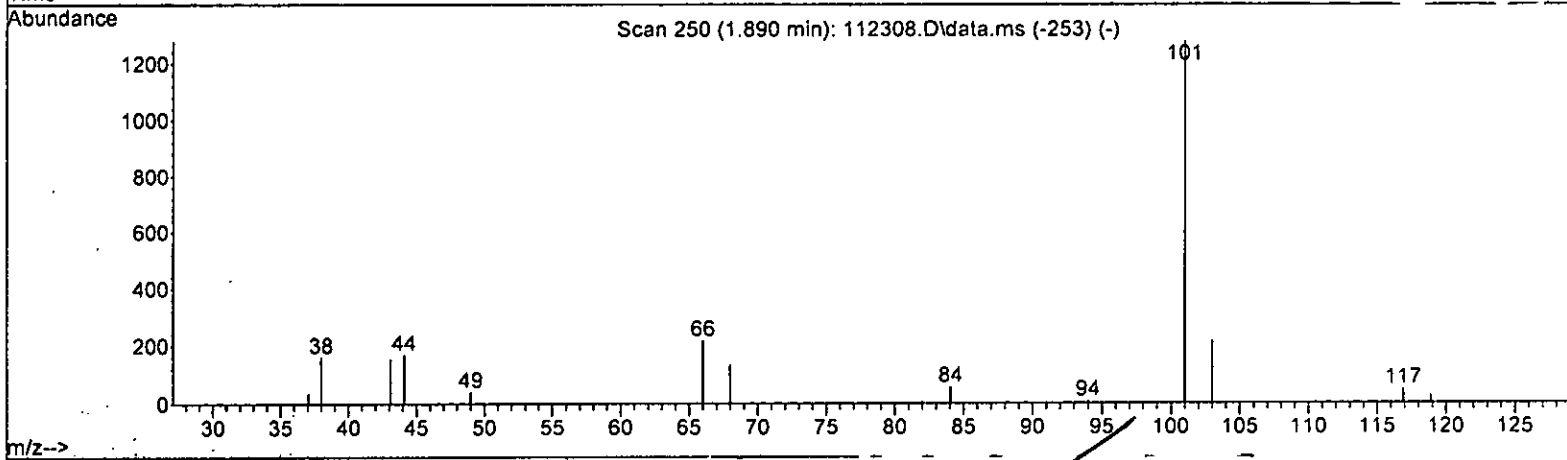
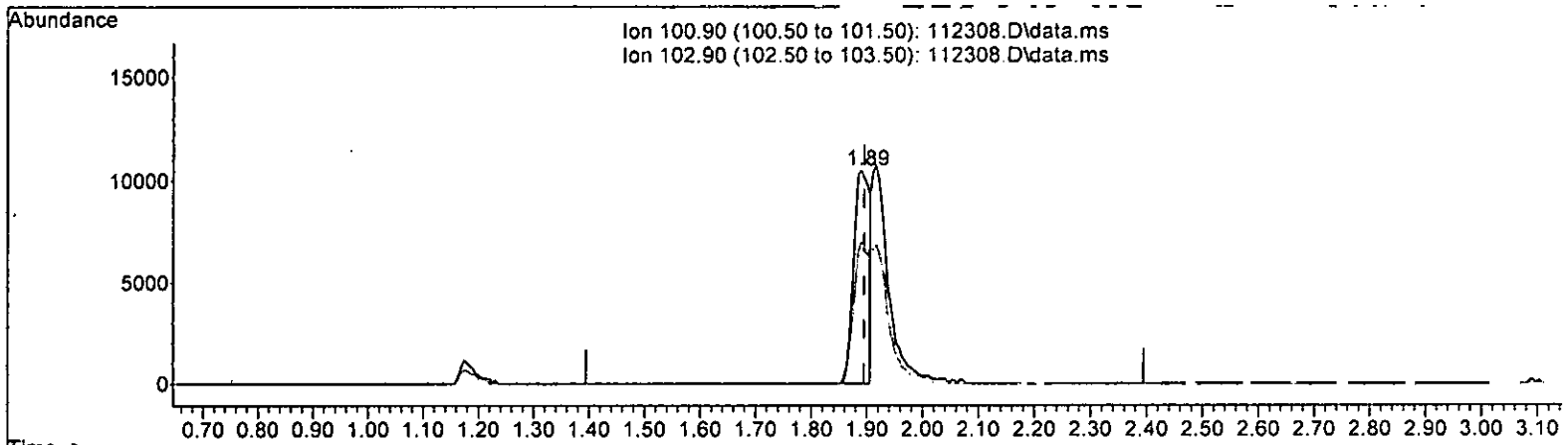
Quant Time: Nov 22 09:07:50 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS4\11-23-22\
 Data File : 112308.D
 Acq On : 23 Nov 2022 4:15 pm
 Operator : lm
 Sample : 10 ppb 8260 CCV 68-4N
 Misc : soil/water
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 28 13:18:28 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



TIC: 112308.D\data.ms

m 11.28.22

(9) Trichlorofluoromethane (TMP)

1.890min (-0.005) 6.545 ppb

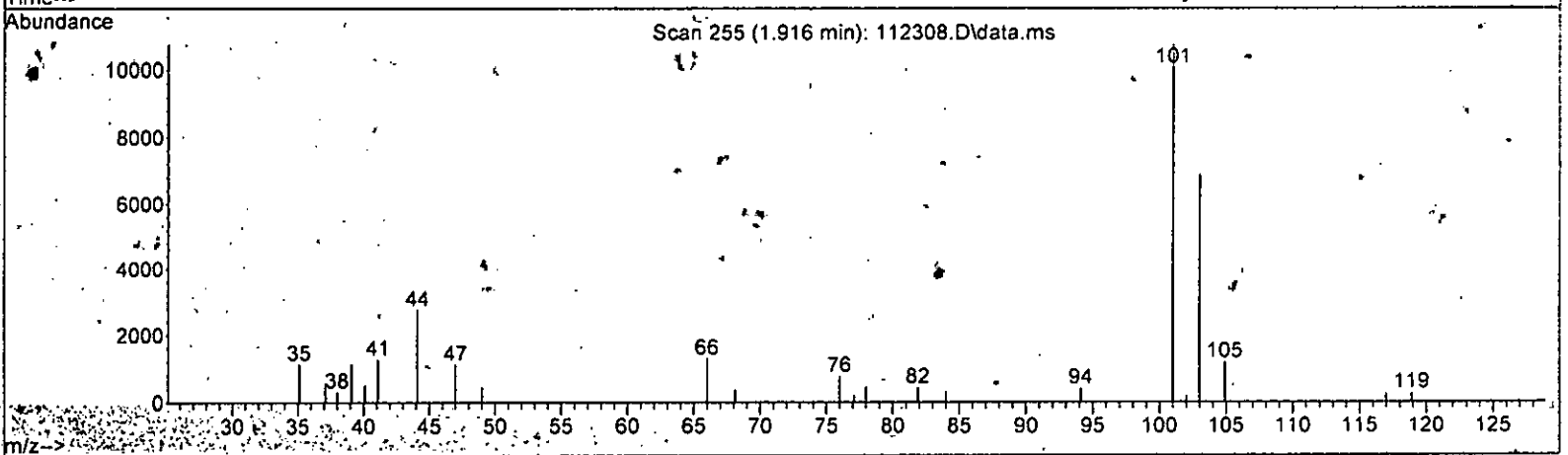
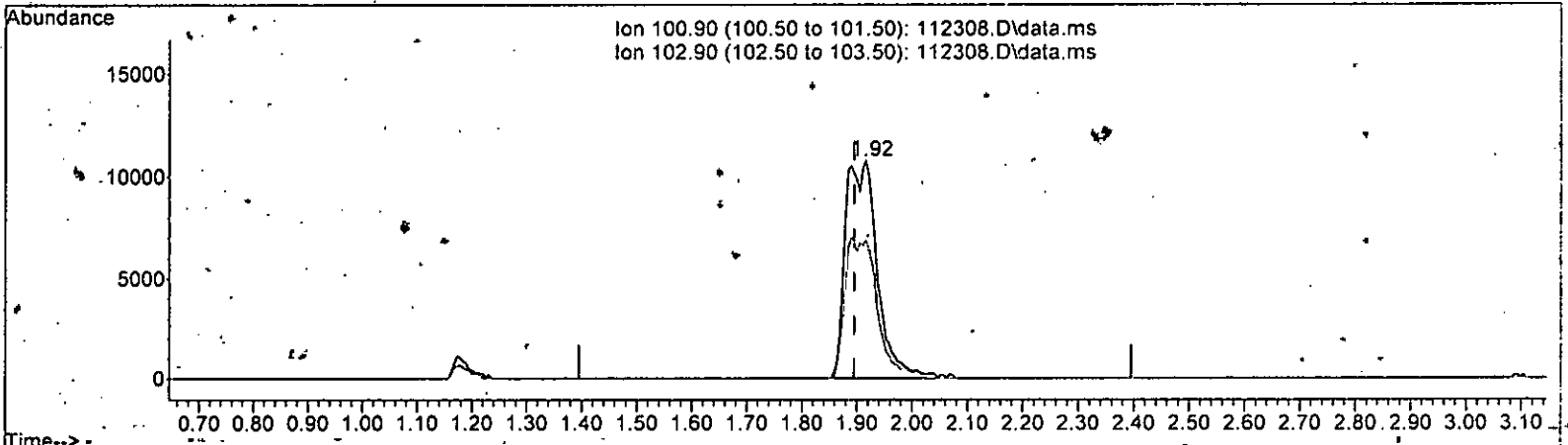
response 20703

Ion	Exp%	Act%
100.90	100.00	100.00
102.90	61.00	66.28
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS4\11-23-22\
 Data File : 112308.D
 Acq On : 23 Nov 2022 4:15 pm
 Operator : lm
 Sample : 10 ppb 8260 CCV 68-4N
 Misc : soil/water
 ALS Vial : 8 - Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 28 13:18:28 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



TIC: 112308.D\data.ms

MS 11.28.22

(9) Trichlorofluoromethane (TMP)		
1.916min (+ 0.021)	13.599	ppb m
response	43014	
Ion	Exp%	Act%
100.90	100.00	100.00
102.90	61.00	63.62
0.00	0.00	0.00
0.00	0.00	0.00

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS4\11-23-22\
 Data File : 112308.D
 Acq On : 23 Nov 2022 4:15 pm
 Operator : lm
 Sample : 10 ppb 8260 CCV 68-4N
 Misc : soil/water
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 28 13:18:28 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I Fluorobenzene	10.000	10.000	0.0	65	0.00
2 TMP Ethanol	-1.000	0.000	0.0	76	0.01
3 S Dibromofluoromethane	10.000	10.792	-7.9	69	0.00
4 TMP Dichlorodifluoromethane	10.000	10.837	-8.4	65	0.00
5 TMP Chloromethane	10.000	11.530	-15.3	71	0.00
6 TMP Vinyl chloride	10.000	12.293	-22.9#	74	0.00
7 TMP Bromomethane	10.000	11.518	-15.2	72	0.00
8 TMP Chloroethane	10.000	12.831	-28.3#	83	0.00
9 TMP Trichlorofluoromethane	10.000	13.599	-36.0#	87	0.02
10 TMP 2-Propanol	-1.000	0.000	0.0	0	0.00
11 TMP Acetone	50.000	105.517	-111.0#	112	0.00
12 TMP 1,1-Dichloroethene	10.000	11.802	-18.0	79	0.00
13 TMP Hexane	10.000	12.660	-26.6#	84	0.00
14 TMP Methylene chloride	10.000	12.670	-26.7#	78	0.00
15 TMP t-Butyl alcohol (TBA)	50.000	62.606	-25.2#	81	0.00
16 TMP Methyl t-butyl ether (MTBE)	10.000	11.796	-18.0	76	0.00
17 TMP trans-1,2-Dichloroethene	10.000	11.549	-15.5	77	0.00
18 TMP Diisopropyl ether (DIPE)	10.000	11.434	-14.3	76	0.00
19 TMP 1,1-Dichloroethane	10.000	11.973	-19.7	78	0.00
20 TMP Ethyl t-butyl ether (ETBE)	10.000	11.633	-16.3	75	0.00
21 TMP 2,2-Dichloropropane	10.000	13.648	-36.5#	86	0.00
22 TMP cis-1,2-Dichloroethene	10.000	11.878	-18.8	80	0.00
23 TMP Chloroform	10.000	11.956	-19.6	77	0.00
24 TMP 2-Butanone (MEK)	50.000	56.063	-12.1	79	0.00
25 TMP t-Amyl methyl ether (TAME)	10.000	11.553	-15.5	75	0.00
26 TMP 1,2-Dichloroethane (EDC)	10.000	12.028	-20.3#	79	0.00
27 TMP 1,1,1-Trichloroethane	10.000	11.717	-17.2	77	0.00
28 TMP 1,1-Dichloropropene	10.000	12.075	-20.7#	81	0.00
29 TMP Carbon tetrachloride	10.000	12.197	-22.0#	81	0.00
30 S 1,2-Dichloroethane-d4	10.000	9.881	1.2	64	0.00
31 TMP Benzene	10.000	12.178	-21.8#	81	0.00
32 TMP Trichloroethene	10.000	11.906	-19.1	81	0.00
33 TMP 1,2-Dichloropropane	10.000	12.793	-27.9#	82	0.00
34 TMP Bromodichloromethane	10.000	11.789	-17.9	79	0.00
35 S Toluene-d8	10.000	11.525	-15.3	75	0.00
36 TMP Dibromomethane	10.000	12.427	-24.3#	80	0.00
37 TMP 4-Methyl-2-pentanone	50.000	58.111	-16.2	78	0.00
38 TMP cis-1,3-Dichloropropene	10.000	12.195	-22.0#	80	0.00
39 I Chlorobenzene-d5	10.000	10.000	0.0	81	0.00
40 TMP Toluene	10.000	9.748	2.5	82	0.00
41 TMP trans-1,3-Dichloropropene	10.000	9.911	0.9	82	0.00
42 TMP 1,1,2-Trichloroethane	10.000	10.066	-0.7	84	0.00
43 TMP 2-Hexanone	50.000	40.843	18.3	67	0.00

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS4\11-23-22\
 Data File : 112308.D
 Acq On : 23 Nov 2022 4:15 pm
 Operator : lm
 Sample : 10 ppb 8260 CCV 68-4N
 Misc : soil/water
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 28 13:18:28 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	10.000	9.655	3.5	80	0.00
45 TMP Tetrachloroethene	10.000	10.035	-0.4	84	0.00
46 TMP Dibromochloromethane	10.000	10.374	-3.7	84	0.00
47 TMP 1,2-Dibromoethane (EDB)	10.000	10.162	-1.6	83	0.00
48 TMP Chlorobenzene	10.000	9.968	0.3	81	0.00
49 TMP Ethylbenzene	10.000	9.631	3.7	80	0.00
50 TMP 1,1,1,2-Tetrachloroethane	10.000	9.570	4.3	78	0.00
51 TMP m,p-Xylene	20.000	19.504	2.5	81	0.00
52 TMP o-Xylene	10.000	9.795	2.1	81	0.00
53 TMP Styrene	10.000	9.331	6.7	76	0.00
54 TMP Isopropylbenzene	10.000	9.173	8.3	76	0.00
55 TMP Bromoform	10.000	10.918	-9.2	85	0.00
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	83	0.00
57 S 4-Bromofluorobenzene	10.000	10.051	-0.5	83	0.00
58 TMP n-Propylbenzene	10.000	9.137	8.6	78	0.00
59 TMP Bromobenzene	10.000	9.585	4.1	79	0.00
60 TMP 1,3,5-Trimethylbenzene	10.000	9.268	7.3	79	0.00
61 TMP 1,1,2,2-Tetrachloroethane	10.000	9.341	6.6	77	0.00
62 TMP 1,2,3-Trichloropropane	10.000	9.138	8.6	74	0.00
63 TMP 2-Chlorotoluene	10.000	9.255	7.4	78	0.00
64 TMP 4-Chlorotoluene	10.000	9.034	9.7	77	0.00
65 TMP tert-Butylbenzene	10.000	9.340	6.6	79	0.00
66 TMP 1,2,4-Trimethylbenzene	10.000	9.285	7.1	80	0.00
67 TMP sec-Butylbenzene	10.000	9.264	7.4	79	0.00
68 TMP p-Isopropyltoluene	10.000	9.189	8.1	78	0.00
69 TMP 1,3-Dichlorobenzene	10.000	9.259	7.4	77	0.00
70 TMP 1,4-Dichlorobenzene	10.000	9.071	9.3	77	0.00
71 TMP 1,2-Dichlorobenzene	10.000	9.268	7.3	78	0.00
72 TMP 1,2-Dibromo-3-chloropropane	10.000	8.724	12.8	72	0.00
73 TMP 1,2,4-Trichlorobenzene	10.000	9.177	8.2	78	0.00
74 TMP Hexachlorobutadiene	10.000	10.180	-1.8	89	0.00
75 TMP Naphthalene	10.000	8.235	17.7	68	0.00
76 TMP 1,2,3-Trichlorobenzene	10.000	8.653	13.5	72	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS4\11-23-22\
 Data File : 112308.D
 Acq On : 23 Nov 2022 4:15 pm
 Operator : lm
 Sample : 10 ppb 8260 CCV 68-4N
 Misc : soil/water
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 28 13:18:28 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I Fluorobenzene	1.000	1.000	0.0	65	0.00
2 TMP Ethanol	0.000	0.000#	0.0	76	0.01
3 S Dibromofluoromethane	0.275	0.297	-8.0	69	0.00
4 TMP Dichlorodifluoromethane	0.410	0.444	-8.3	65	0.00
5 TMP Chloromethane	0.380	0.438	-15.3	71	0.00
6 TMP Vinyl chloride	0.360	0.443	-23.1#	74	0.00
7 TMP Bromomethane	0.168	0.193	-14.9	72	0.00
8 TMP Chloroethane	0.189	0.242	-28.0#	83	0.00
9 TMP Trichlorofluoromethane	0.562	0.764	-35.9#	87	0.02
10 TMP 2-Propanol	0.000	0.000	0.0	0#	0.00
11 TMP Acetone	0.037	0.057	-54.1#	112	0.00
12 TMP 1,1-Dichloroethene	0.333	0.393	-18.0	79	0.00
13 TMP Hexane	0.348	0.441	-26.7#	84	0.00
14 TMP Methylene chloride	0.369	0.447	-21.1#	78	0.00
15 TMP t-Butyl alcohol (TBA)	0.051	0.064	-25.5#	81	0.00
16 TMP Methyl t-butyl ether (MTBE)	0.971	1.146	-18.0	76	0.00
17 TMP trans-1,2-Dichloroethene	0.353	0.408	-15.6	77	0.00
18 TMP Diisopropyl ether (DIPE)	0.889	1.016	-14.3	76	0.00
19 TMP 1,1-Dichloroethane	0.536	0.641	-19.6	78	0.00
20 TMP Ethyl t-butyl ether (ETBE)	0.425	0.494	-16.2	75	0.00
21 TMP 2,2-Dichloropropane	0.352	0.469	-33.2#	86	0.00
22 TMP cis-1,2-Dichloroethene	0.382	0.454	-18.8	80	0.00
23 TMP Chloroform	0.583	0.694	-19.0	77	0.00
24 TMP 2-Butanone (MEK)	0.186	0.209	-12.4	79	0.00
25 TMP t-Butyl methyl ether (TAME)	0.964	1.113	-15.5	75	0.00
26 TMP 1,2-Dichloroethane (EDC)	0.438	0.527	-20.3#	79	0.00
27 TMP 1,1,1-Trichloroethane	0.532	0.624	-17.3	77	0.00
28 TMP 1,1-Dichloropropene	0.448	0.541	-20.8#	81	0.00
29 TMP Carbon tetrachloride	0.479	0.585	-22.1#	81	0.00
30 S 1,2-Dichloroethane-d4	0.063	0.063	0.0	64	0.00
31 TMP Benzene	1.286	1.566	-21.8#	81	0.00
32 TMP Trichloroethene	0.373	0.444	-19.0	81	0.00
33 TMP 1,2-Dichloropropane	0.284	0.364	-28.2#	82	0.00
34 TMP Bromodichloromethane	0.432	0.509	-17.8	79	0.00
35 S Toluene-d8	1.002	1.155	-15.3	75	0.00
36 TMP Dibromomethane	0.216	0.268	-24.1#	80	0.00
37 TMP 4-Methyl-2-pentanone	0.077	0.089	-15.6	78	0.00
38 TMP cis-1,3-Dichloropropene	0.504	0.615	-22.0#	80	0.00
39 I Chlorobenzene-d5	1.000	1.000	0.0	81	0.00
40 TMP Toluene	0.968	0.943	2.6	82	0.00
41 TMP trans-1,3-Dichloropropene	0.553	0.548	0.9	82	0.00
42 TMP 1,1,2-Trichloroethane	0.293	0.295	-0.7	84	0.00
43 TMP 2-Hexanone	0.320	0.262	18.1	67	0.00

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS4\11-23-22\
 Data File : 112308.D
 Acq On : 23 Nov 2022 4:15 pm
 Operator : lm
 Sample : 10 ppb 8260 CCV 68-4N
 Misc : soil/water
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 28 13:18:28 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.560	0.541	3.4	80	0.00
45 TMP Tetrachloroethene	0.431	0.432	-0.2	84	0.00
46 TMP Dibromochloromethane	0.429	0.438	-2.1	84	0.00
47 TMP 1,2-Dibromoethane (EDB)	0.398	0.405	-1.8	83	0.00
48 TMP Chlorobenzene	1.148	1.144	0.3	81	0.00
49 TMP Ethylbenzene	1.845	1.777	3.7	80	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.426	0.407	4.5	78	0.00
51 TMP m,p-Xylene	0.746	0.727	2.5	81	0.00
52 TMP o-Xylene	0.741	0.726	2.0	81	0.00
53 TMP Styrene	1.258	1.174	6.7	76	0.00
54 TMP Isopropylbenzene	1.878	1.723	8.3	76	0.00
55 TMP Bromoform	0.362	0.374	-3.3	85	0.00
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	83	0.00
57 S 4-Bromofluorobenzene	0.701	0.705	-0.6	83	0.00
58 TMP n-Propylbenzene	3.165	2.892	8.6	78	0.00
59 TMP Bromobenzene	0.916	0.878	4.1	79	0.00
60 TMP 1,3,5-Trimethylbenzene	2.336	2.165	7.3	79	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.806	0.753	6.6	77	0.00
62 TMP 1,2,3-Trichloropropane	0.610	0.558	8.5	74	0.00
63 TMP 2-Chlorotoluene	1.890	1.749	7.5	78	0.00
64 TMP 4-Chlorotoluene	2.253	2.035	9.7	77	0.00
65 TMP tert-Butylbenzene	2.062	1.926	6.6	79	0.00
66 TMP 1,2,4-Trimethylbenzene	2.433	2.259	7.2	80	0.00
67 TMP sec-Butylbenzene	2.769	2.565	7.4	79	0.00
68 TMP p-Isopropyltoluene	2.526	2.321	8.1	78	0.00
69 TMP 1,3-Dichlorobenzene	1.624	1.504	7.4	77	0.00
70 TMP 1,4-Dichlorobenzene	1.675	1.520	9.3	77	0.00
71 TMP 1,2-Dichlorobenzene	1.595	1.478	7.3	78	0.00
72 TMP 1,2-Dibromo-3-chloropropane	0.167	0.146	12.6	72	0.00
73 TMP 1,2,4-Trichlorobenzene	1.200	1.102	8.2	78	0.00
74 TMP Hexachlorobutadiene	0.463	0.471	-1.7	89	0.00
75 TMP Naphthalene	2.957	2.435	17.7	68	0.00
76 TMP 1,2,3-Trichlorobenzene	1.136	0.983	13.5	72	0.00

(#) = Out of Range SPCC's out = 1 CCC's out = 0

Data Path : Y:\Proc_GCMS4\11-23-22\
 Data File : 112308.D
 Acq On : 23 Nov 2022 4:15 pm
 Operator : lm
 Sample : 10 ppb 8260 CCV 68-4N
 Misc : soil/water
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 28 13:18:28 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	4.77	96	56312	10.000	ppb	0.00
39) Chlorobenzene-d5	7.43	117	59282	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.65	152	40281	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.21	113	16707	10.792	ppb	0.00
Spiked Amount	10.000	Range	0 - 1000	Recovery	=	107.90%
30) 1,2-Dichloroethane-d4	4.49	102	3533	9.881	ppb	0.00
Spiked Amount	10.000	Range	90 - 109	Recovery	=	98.80%
35) Toluene-d8	6.14	98	65013	11.525	ppb	0.00
Spiked Amount	10.000	Range	89 - 112	Recovery	=	115.20%#
57) 4-Bromofluorobenzene	8.54	95	28392	10.051	ppb	0.00
Spiked Amount	10.000	Range	84 - 115	Recovery	=	100.50%
Target Compounds						
						Qvalue
2) Ethanol	1.08	45	2803	No Calib		
4) Dichlorodifluoromethane	1.18	85	24997	10.837	ppb	91
5) Chloromethane	1.31	50	24658	11.530	ppb	95
6) Vinyl chloride	1.40	62	24940	12.293	ppb	99
7) Bromomethane	1.63	94	10866	11.518	ppb	95
8) Chloroethane	1.70	64	13652	12.831	ppb	100
9) Trichlorofluoromethane	1.92	101	43014m	13.599	ppb	
10) 2-Propanol	2.98	45	2935	No Calib		
11) Acetone	2.39	58	15938	105.517	ppb	87
12) 1,1-Dichloroethene	2.32	96	22156	11.802	ppb	# 79
13) Hexane	3.20	57	24844	12.660	ppb	91
14) Methylene chloride	2.73	84	25166	12.670	ppb	88
15) t-Butyl alcohol (TBA)	2.87	59	18063	62.606	ppb	97
16) Methyl t-butyl ether (...)	2.98	73	64530	11.796	ppb	97
17) trans-1,2-Dichloroethene	2.97	96	22949	11.549	ppb	# 81
18) Diisopropyl ether (DIPE)	3.40	45	57210	11.434	ppb	89
19) 1,1-Dichloroethane	3.32	63	36123	11.973	ppb	98
20) Ethyl t-butyl ether (E...)	3.70	87	27840	11.633	ppb	# 84
21) 2,2-Dichloropropane	3.81	77	26396	13.648	ppb	97
22) cis-1,2-Dichloroethene	3.80	96	25551	11.878	ppb	# 79
23) Chloroform	4.07	83	39084	11.956	ppb	99
24) 2-Butanone (MEK)	3.83	43	58753	56.063	ppb	94
25) t-Amyl methyl ether (T...)	4.65	73	62691	11.553	ppb	99
26) 1,2-Dichloroethane (EDC)	4.55	62	29679	12.028	ppb	97
27) 1,1,1-Trichloroethane	4.23	97	35126	11.717	ppb	93
28) 1,1-Dichloropropene	4.36	75	30470	12.075	ppb	91
29) Carbon tetrachloride	4.37	117	32917	12.197	ppb	91
31) Benzene	4.54	78	88161	12.178	ppb	95
32) Trichloroethene	5.09	95	24999	11.906	ppb	# 78
33) 1,2-Dichloropropane	5.27	63	20489	12.793	ppb	96
34) Bromodichloromethane	5.51	83	28657	11.789	ppb	95
36) Dibromomethane	5.37	93	15097	12.427	ppb	87

Data Path : Y:\Proc_GCMS4\11-23-22\
 Data File : 112308.D
 Acq On : 23 Nov 2022 4:15 pm
 Operator : lm
 Sample : 10 ppb 8260 CCV 68-4N
 Misc : soil/water
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS4

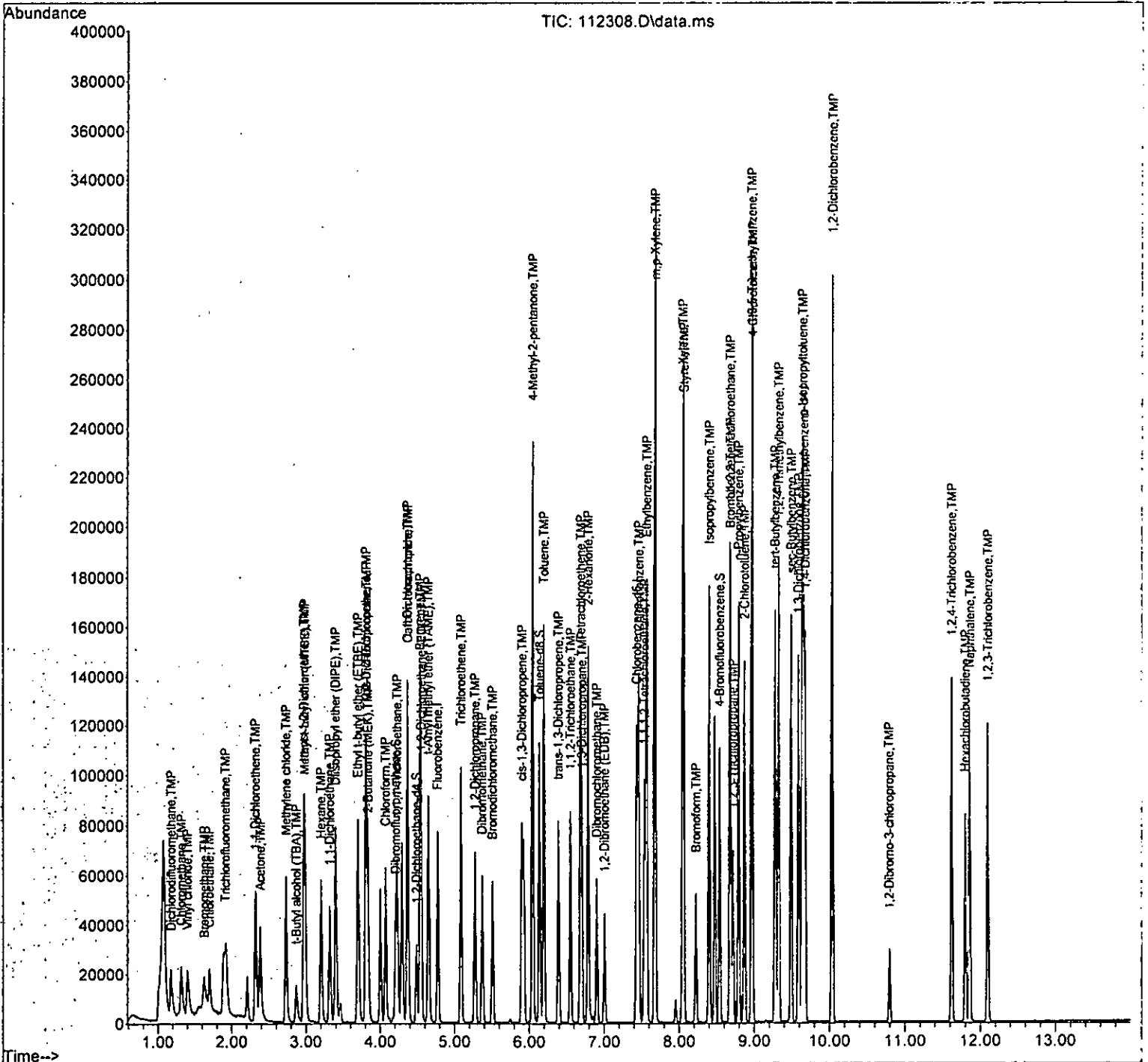
Quant Time: Nov 28 13:18:28 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
37) 4-Methyl-2-pentanone	6.04	85	25162	58.111	ppb	#	77
38) cis-1,3-Dichloropropene	5.90	75	34626	12.195	ppb		90
40) Toluene	6.19	92	55921	9.748	ppb		98
41) trans-1,3-Dichloropropene	6.39	75	32485	9.911	ppb		90
42) 1,1,2-Trichloroethane	6.55	83	17490	10.066	ppb		91
43) 2-Hexanone	6.79	43	77585	40.843	ppb		97
44) 1,3-Dichloropropane	6.70	76	32063	9.655	ppb		99
45) Tetrachloroethene	6.69	164	25630	10.035	ppb		97
46) Dibromochloromethane	6.90	129	25953	10.374	ppb		97
47) 1,2-Dibromoethane (E08)	7.00	107	23989	10.162	ppb		95
48) Chlorobenzene	7.46	112	67841	9.968	ppb		88
49) Ethylbenzene	7.56	91	105349	9.631	ppb		94
50) 1,1,1,2-Tetrachloroethane	7.54	131	24142	9.570	ppb		96
51) m,p-Xylene	7.67	106	86249	19.504	ppb		92
52) o-Xylene	8.05	106	43039	9.795	ppb		84
53) Styrene	8.06	104	69584	9.331	ppb		88
54) Isopropylbenzene	8.40	105	102130	9.173	ppb		94
55) Bromoform	8.22	173	22183	10.918	ppb		98
58) n-Propylbenzene	8.79	91	116491	9.137	ppb		91
59) Bromobenzene	8.68	156	35360	9.585	ppb	#	75
60) 1,3,5-Trimethylbenzene	8.96	105	87216	9.268	ppb		89
61) 1,1,2,2-Tetrachloroethane	8.67	83	30331	9.341	ppb		98
62) 1,2,3-Trichloropropane	8.72	75	22470	9.138	ppb		97
63) 2-Chlorotoluene	8.87	91	70441	9.255	ppb		88
64) 4-Chlorotoluene	8.97	91	81989	9.034	ppb		80
65) tert-Butylbenzene	9.27	119	77590	9.340	ppb		86
66) 1,2,4-Trimethylbenzene	9.32	105	90997	9.285	ppb		91
67) sec-Butylbenzene	9.49	105	103325	9.264	ppb		94
68) p-Isopropyltoluene	9.64	119	93479	9.189	ppb		91
69) 1,3-Dichlorobenzene	9.58	146	60572	9.259	ppb		95
70) 1,4-Dichlorobenzene	9.67	146	61212	9.071	ppb		94
71) 1,2-Dichlorobenzene	10.03	146	59542	9.268	ppb		91
72) 1,2-Dibromo-3-chloropr...	10.79	75	5873	8.724	ppb		78
73) 1,2,4-Trichlorobenzene	11.62	180	44372	9.177	ppb		99
74) Hexachlorobutadiene	11.80	225	18972	10.180	ppb		98
75) Naphthalene	11.86	128	98085	8.235	ppb		99
76) 1,2,3-Trichlorobenzene	12.10	180	39594	8.653	ppb		97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS4\11-23-22\
 Data File : 112308.D
 Acq On : 23 Nov 2022 4:15 pm
 Operator : lm
 Sample : 10 ppb 8260 CCV 68-4N
 Misc : soil/water
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS4

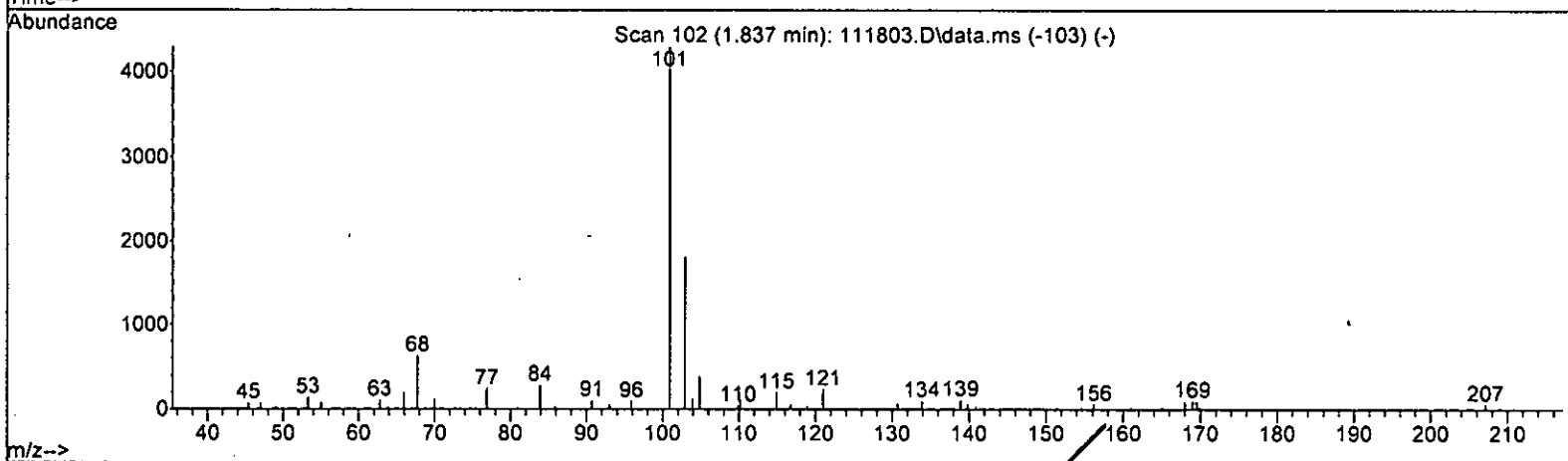
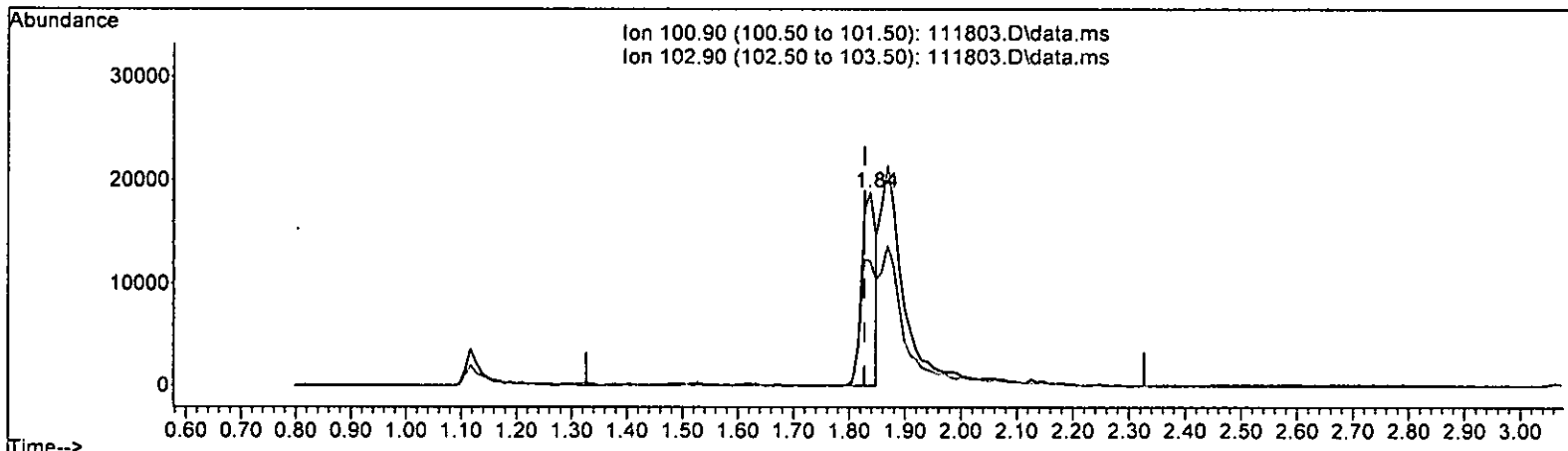
Quant Time: Nov 28 13:18:28 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111803.D
 Acq On : 18 Nov 2022 06:14 am
 Operator : LM
 Sample : 10 ppb 8260 CCV 67-86N
 Misc : soil/water
 ALS Vial : 1 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 18 08:13:50 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 111803.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.837min (+ 0.010) 3.160 ppb

response 34241

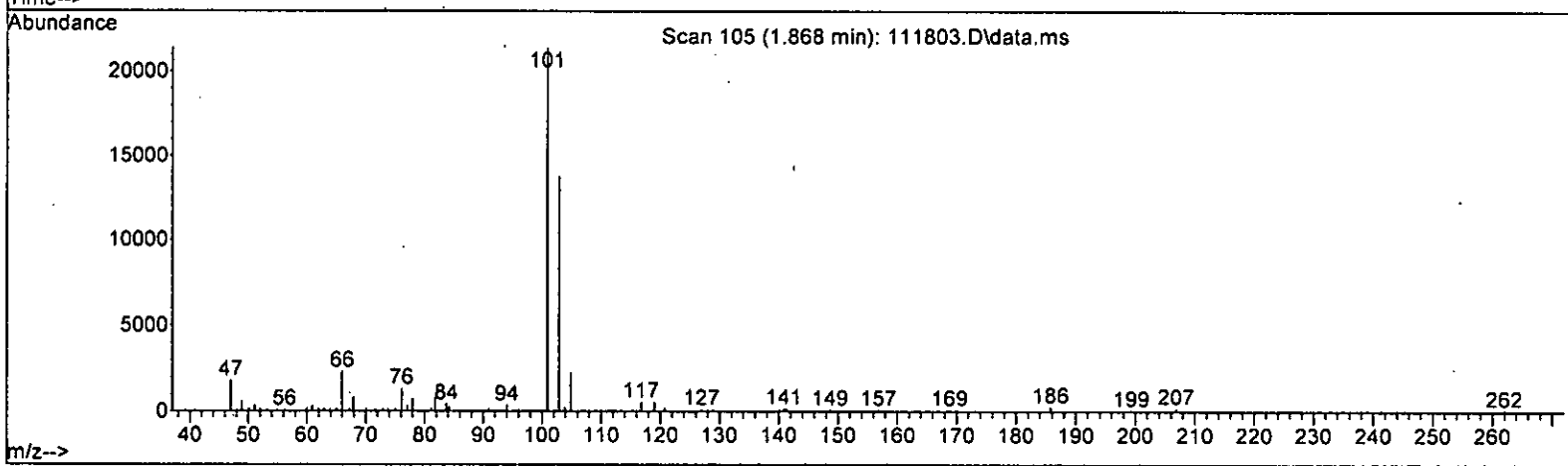
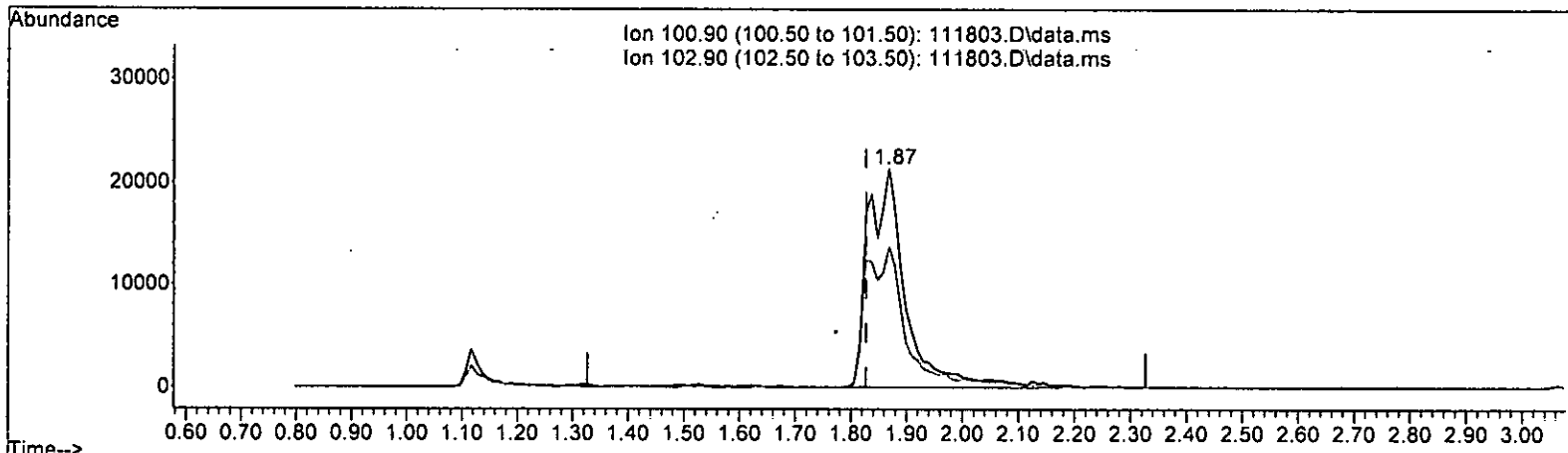
Ion	Exp%	Act%
100.90	100.00	100.00
102.90	65.30	64.80
0.00	0.00	0.00
0.00	0.00	0.00

m 11.21.22

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111803.D
 Acq On : 18 Nov 2022 06:14 am
 Operator : LM
 Sample : 10 ppb 8260 CCV 67-86N
 Misc : soil/water
 ALS Vial : 1 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 18 08:13:50 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 111803.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.868min (+ 0.041) 9.622 ppb m

response 104269

Ion	Exp%	Act%
100.90	100.00	100.00
102.90	65.30	64.16
0.00	0.00	0.00
0.00	0.00	0.00

M 11.21.22

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111803.D
 Acq On : 18 Nov 2022 06:14 am
 Operator : LM
 Sample : 10 ppb 8260 CCV 67-86N
 Misc : soil/water
 ALS Vial : 1 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 18 08:13:50 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 Qlast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) Fluorobenzene	4.75	96	96488	10.000	ppb	0.00	
39) Chlorobenzene-d5	7.40	117	88501	10.000	ppb	0.00	
56) 1,4-Dichlorobenzene-d4	9.62	152	52821	10.000	ppb	0.00	
System Monitoring Compounds							
3) Dibromofluoromethane	4.17	113	32996	10.664	ppb	0.00	
Spiked Amount	10.000	Range 50 - 150	Recovery	=	106.60%		
30) 1,2-Dichloroethane-d4	4.45	102	6330	10.556	ppb	0.00	
Spiked Amount	10.000	Range 84 - 120	Recovery	=	105.60%		
35) Toluene-d8	6.11	98	92317	10.032	ppb	0.00	
Spiked Amount	10.000	Range 73 - 128	Recovery	=	100.30%		
57) 4-Bromofluorobenzene	8.51	95	34430	9.460	ppb	0.00	
Spiked Amount	10.000	Range 57 - 146	Recovery	=	94.60%		
Target Compounds							
2) Ethanol	2.32	45	421	No Calib			Qvalue
4) Dichlorodifluoromethane	1.12	85	65085	8.431	ppb	97	
5) Chloromethane	1.26	50	38042	8.077	ppb	93	
6] Vinyl chloride	1.34	62	42223	8.585	ppb	95	
7) Bromomethane	1.60	94	48490	11.632	ppb	94	
8] Chloroethane	1.65	64	22232	10.076	ppb	100	
9) Trichlorofluoromethane	1.87	101	104269m	9.622	ppb		
10) 2-Propanol	2.32	45	421	No Calib	#		
11) Acetone	2.33	58	13381	52.609	ppb	98	
12] 1,1-Dichloroethene	2.27	96	25846	9.402	ppb	93	
13) Hexane	3.16	57	26759	8.579	ppb	93	
14) Methylene chloride	2.69	84	26459	9.045	ppb	95	
15) t-Butyl alcohol (TBA)	2.82	59	11602	50.098	ppb	90	
16] Methyl t-butyl ether (...)	2.93	73	69117	10.759	ppb	99	
17] trans-1,2-Dichloroethene	2.92	96	28654	9.325	ppb	99	
18) Diisopropyl ether (DIPE)	3.35	45	57953	8.608	ppb	100	
19] 1,1-Dichloroethane	3.27	63	39785	8.898	ppb	98	
20) Ethyl t-butyl ether (E...)	3.66	87	30040	12.085	ppb	87	
21) 2,2-Dichloropropane	3.77	77	32228	13.816	ppb	97	
22] cis-1,2-Dichloroethene	3.77	96	30834	9.593	ppb	97	
23) Chloroform	4.04	83	48560	9.344	ppb	97	
24) 2-Butanone (MEK)	3.79	43	58201	48.058	ppb	99	
25) t-Amyl methyl ether (T...)	4.61	73	60861	11.672	ppb	92	
26] 1,2-Dichloroethane (EDC)	4.53	62	37116	9.462	ppb	99	
27] 1,1,1-Trichloroethane	4.19	97	50732	10.912	ppb	98	
28) 1,1-Dichloropropene	4.33	75	33584	9.631	ppb	92	
29) Carbon tetrachloride	4.33	117	52066	11.123	ppb	99	
31] Benzene	4.50	78	91664	8.495	ppb	98	
32] Trichloroethene	5.05	95	32183	9.100	ppb	# 71	
33) 1,2-Dichloropropane	5.24	63	20562	8.844	ppb	95	
34) Bromodichloromethane	5.48	83	36035	9.660	ppb	97	
36) Dibromomethane	5.35	93	19024	8.984	ppb	# 69	

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111803.D
 Acq On : 18 Nov 2022 06:14 am
 Operator : LM
 Sample : 10 ppb 8260 CCV 67-86N
 Misc : soil/water
 ALS Vial : 1 Sample Multiplier: 1
 InstName : GCMS13

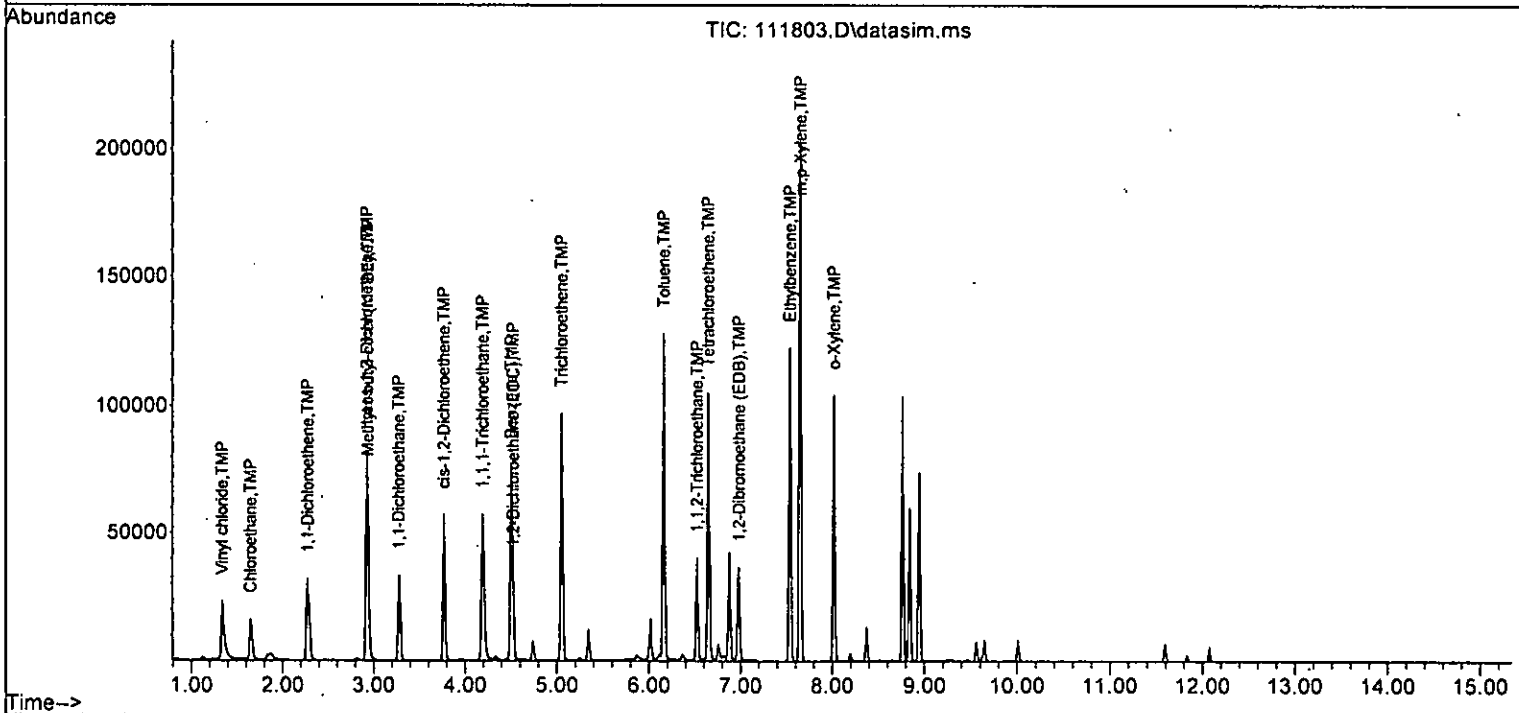
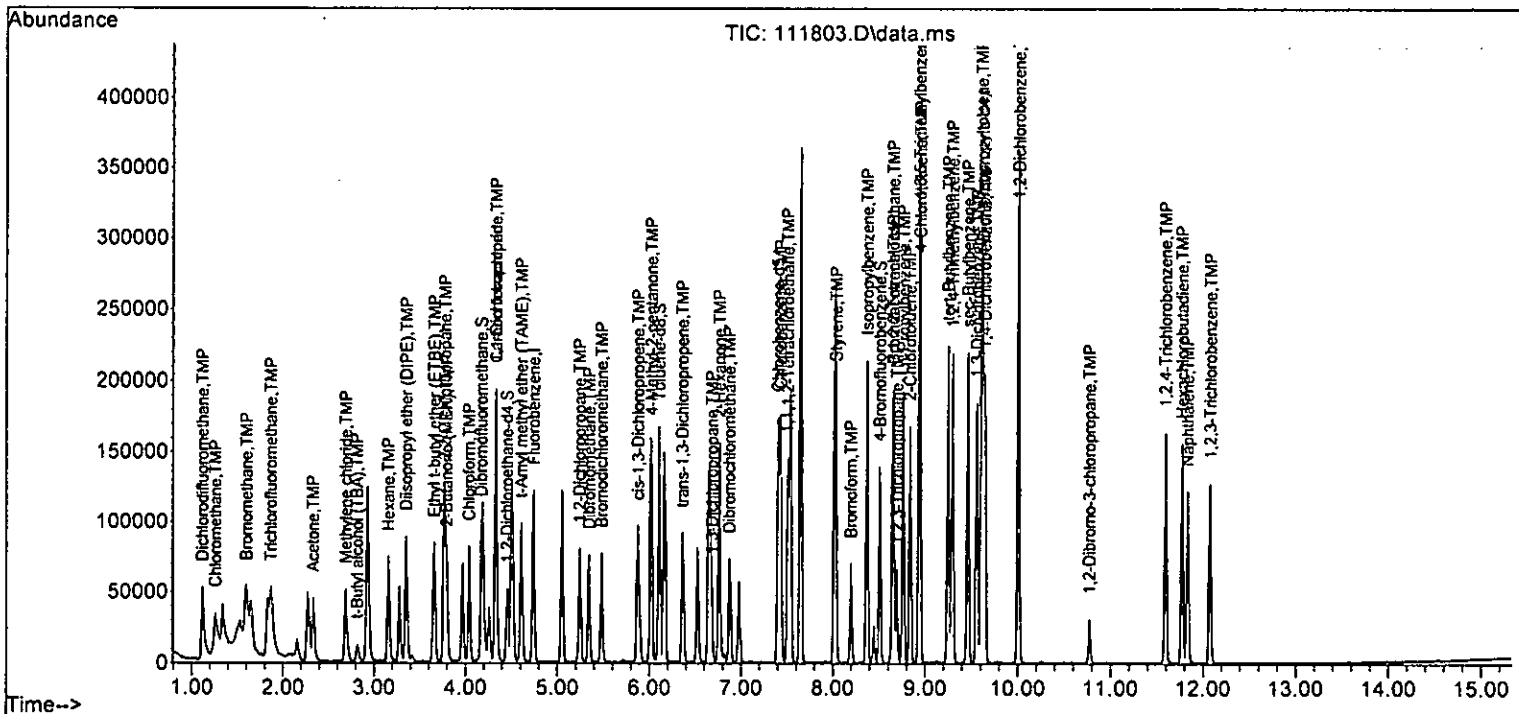
Quant Time: Nov 18 08:13:50 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	6.02	85	22020	53.793	ppb	# 79
38) cis-1,3-Dichloropropene	5.88	75	38232	11.004	ppb	90
40] Toluene	6.16	92	64272	9.058	ppb	94
41) trans-1,3-Dichloropropene	6.36	75	35452	11.353	ppb	88
42] 1,1,2-Trichloroethane	6.53	83	19103	8.337	ppb	83
43) 2-Hexanone	6.76	43	83932	50.032	ppb	95
44) 1,3-Dichloropropane	6.68	76	32695	8.080	ppb	97
45] Tetrachloroethene	6.65	164	37158	10.630	ppb	94
46) Dibromochloromethane	6.87	129	40897	10.738	ppb	98
47] 1,2-Dibromoethane (EDB)	6.98	107	30210	9.494	ppb	96
48) Chlorobenzene	7.43	112	84162	9.577	ppb	91
49] Ethylbenzene	7.54	91	120919	8.776	ppb	89
50) 1,1,1,2-Tetrachloroethane	7.51	131	37029	10.824	ppb	97
51] m,p-Xylene	7.65	106	102198	18.875	ppb	# 80
52] o-Xylene	8.02	106	50497	9.659	ppb	# 78
53) Styrene	8.03	104	75786	9.651	ppb	95
54) Isopropylbenzene	8.37	105	121699	9.580	ppb	92
55) Bromoform	8.20	173	28634	10.820	ppb	98
58) n-Propylbenzene	8.77	91	128876	9.038	ppb	82
59) Bromobenzene	8.65	156	43555	9.846	ppb	# 73
60) 1,3,5-Trimethylbenzene	8.94	105	101070	9.725	ppb	87
61) 1,1,2,2-Tetrachloroethane	8.65	83	27576	8.930	ppb	96
62) 1,2,3-Trichloropropane	8.70	75	19792	7.706	ppb	91
63) 2-Chlorotoluene	8.84	91	76430	8.950	ppb	82
64) 4-Chlorotoluene	8.95	91	90121	8.924	ppb	79
65) tert-Butylbenzene	9.25	119	105349	10.218	ppb	86
66) 1,2,4-Trimethylbenzene	9.30	105	107183	10.164	ppb	88
67) sec-Butylbenzene	9.46	105	131857	9.514	ppb	89
68) p-Isopropyltoluene	9.61	119	129117	10.241	ppb	95
69) 1,3-Dichlorobenzene	9.56	146	78168	9.675	ppb	93
70) 1,4-Dichlorobenzene	9.64	146	76809	9.298	ppb	98
71) 1,2-Dichlorobenzene	10.01	146	74017	9.633	ppb	96
72) 1,2-Dibromo-3-chloropr...	10.77	75	5152	9.039	ppb	79
73) 1,2,4-Trichlorobenzene	11.59	180	49800	9.715	ppb	98
74) Hexachlorobutadiene	11.77	225	29994	9.468	ppb	97
75) Naphthalene	11.83	128	94572	9.642	ppb	98
76) 1,2,3-Trichlorobenzene	12.08	180	40716	9.112	ppb	93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111803.D
 Acq On : 18 Nov 2022 06:14 am
 Operator : LM
 Sample : 10 ppb 8260 CCV 67-86N
 Misc : soil/water
 ALS Vial : 1 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 18 08:13:50 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111829.D
 Acq On : 18 Nov 2022 06:31 pm
 Operator : LM
 Sample : 10 ppb 8260 CCV 67-192N
 Misc : soil/water
 ALS Vial : 24 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 18 18:52:26 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I Fluorobenzene	10.000	10.000	0.0	90	-0.01
2 TMP Ethanol	-1.000	0.000	0.0	0	0.00
3 S Dibromofluoromethane	10.000	10.389	-3.9	94	0.00
4 TMP Dichlorodifluoromethane	10.000	9.828	1.7	90	-0.01
5 TMP Chloromethane	10.000	8.491	15.1	74	-0.01
6 TMP Vinyl chloride	10.000	8.856	11.4	81	-0.01
7 TMP Bromomethane	10.000	12.719	-27.2#	101	-0.01
8 TMP Chloroethane	10.000	9.937	0.6	87	-0.01
9 TMP Trichlorofluoromethane	10.000	9.612	3.9	89	0.03
10 TMP 2-Propanol	-1.000	0.000	0.0	0	0.00
11 TMP Acetone	50.000	56.005	-12.0	93	-0.01
12 TMP 1,1-Dichloroethene	10.000	9.730	2.7	89	-0.01
13 TMP Hexane	10.000	9.737	2.6	87	-0.01
14 TMP Methylene chloride	10.000	9.734	2.7	87	0.00
15 TMP t-Butyl alcohol (TBA)	50.000	58.149	-16.3	104	0.00
16 TMP Methyl t-butyl ether (MTBE)	10.000	10.986	-9.9	98	-0.01
17 TMP trans-1,2-Dichloroethene	10.000	9.618	3.8	88	-0.01
18 TMP Diisopropyl ether (DIPE)	10.000	8.928	10.7	83	-0.01
19 TMP 1,1-Dichloroethane	10.000	9.590	4.1	84	0.00
20 TMP Ethyl t-butyl ether (ETBE)	10.000	12.160	-21.6#	114	-0.01
21 TMP 2,2-Dichloropropane	10.000	16.358	-63.6#	158	-0.01
22 TMP cis-1,2-Dichloroethene	10.000	10.156	-1.6	91	-0.01
23 TMP Chloroform	10.000	9.593	4.1	88	0.00
24 TMP 2-Butanone (MEK)	50.000	52.722	-5.4	91	-0.01
25 TMP t-Amyl methyl ether (TAME)	10.000	11.731	-17.3	106	0.00
26 TMP 1,2-Dichloroethane (EDC)	10.000	9.953	0.5	86	-0.01
27 TMP 1,1,1-Trichloroethane	10.000	11.174	-11.7	102	0.00
28 TMP 1,1-Dichloropropene	10.000	9.981	0.2	89	-0.01
29 TMP Carbon tetrachloride	10.000	11.334	-13.3	106	-0.01
30 S 1,2-Dichloroethane-d4	10.000	9.411	5.9	81	0.00
31 TMP Benzene	10.000	8.868	11.3	82	0.00
32 TMP Trichloroethene	10.000	9.385	6.2	87	-0.01
33 TMP 1,2-Dichloropropane	10.000	8.750	12.5	81	0.00
34 TMP Bromodichloromethane	10.000	9.787	2.1	86	0.00
35 S Toluene-d8	10.000	10.306	-3.1	91	0.00
36 TMP Dibromomethane	10.000	9.308	6.9	85	-0.01
37 TMP 4-Methyl-2-pentanone	50.000	56.166	-12.3	99	-0.01
38 TMP cis-1,3-Dichloropropene	10.000	10.819	-8.2	106	-0.01
39 I Chlorobenzene-d5	10.000	10.000	0.0	101	0.00
40 TMP Toluene	10.000	9.139	8.6	89	0.00
41 TMP trans-1,3-Dichloropropene	10.000	10.985	-9.8	118	0.00
42 TMP 1,1,2-Trichloroethane	10.000	8.465	15.4	83	0.00
43 TMP 2-Hexanone	50.000	51.322	-2.6	103	0.00

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111829.D
 Acq On : 18 Nov 2022 06:31 pm
 Operator : LM
 Sample : 10 ppb 8260 CCV 67-192N
 Misc : soil/water
 ALS Vial : 24 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 18 18:52:26 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	10.000	8.515	14.8	86	-0.01
45 TMP Tetrachloroethene	10.000	10.740	-7.4	104	0.00
46 TMP Dibromochloromethane	10.000	10.434	-4.3	108	-0.01
47 TMP 1,2-Dibromoethane (EDB)	10.000	9.527	4.7	98	-0.01
48 TMP Chlorobenzene	10.000	9.624	3.8	100	0.00
49 TMP Ethylbenzene	10.000	8.921	10.8	92	0.00
50 TMP 1,1,1,2-Tetrachloroethane	10.000	10.392	-3.9	110	0.00
51 TMP m,p-Xylene	20.000	19.082	4.6	98	0.00
52 TMP o-Xylene	10.000	9.785	2.1	101	0.00
53 TMP Styrene	10.000	9.694	3.1	97	0.00
54 TMP Isopropylbenzene	10.000	9.754	2.5	98	0.00
55 TMP Bromoform	10.000	10.425	-4.3	109	0.00
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	99	0.00
57 S 4-Bromofluorobenzene	10.000	9.656	3.4	95	0.00
58 TMP n-Propylbenzene	10.000	9.654	3.5	92	0.00
59 TMP Bromobenzene	10.000	10.505	-5.1	105	0.00
60 TMP 1,3,5-Trimethylbenzene	10.000	10.450	-4.5	103	0.00
61 TMP 1,1,2,2-Tetrachloroethane	10.000	9.528	4.7	88	0.00
62 TMP 1,2,3-Trichloropropane	10.000	8.263	17.4	84	0.00
63 TMP 2-Chlorotoluene	10.000	9.627	3.7	93	0.00
64 TMP 4-Chlorotoluene	10.000	9.435	5.6	94	0.00
65 TMP tert-Butylbenzene	10.000	10.719	-7.2	109	0.00
66 TMP 1,2,4-Trimethylbenzene	10.000	10.813	-8.1	106	0.00
67 TMP sec-Butylbenzene	10.000	10.323	-3.2	101	0.00
68 TMP p-Isopropyltoluene	10.000	11.074	-10.7	109	0.00
69 TMP 1,3-Dichlorobenzene	10.000	10.283	-2.8	103	0.00
70 TMP 1,4-Dichlorobenzene	10.000	9.980	0.2	101	0.00
71 TMP 1,2-Dichlorobenzene	10.000	10.301	-3.0	101	0.00
72 TMP 1,2-Dibromo-3-chloropropane	10.000	9.890	1.1	101	0.00
73 TMP 1,2,4-Trichlorobenzene	10.000	10.928	-9.3	114	0.00
74 TMP Hexachlorobutadiene	10.000	10.837	-8.4	111	0.00
75 TMP Naphthalene	10.000	10.583	-5.8	113	0.00
76 TMP 1,2,3-Trichlorobenzene	10.000	10.558	-5.6	109	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111829.D
 Acq On : 18 Nov 2022 06:31 pm
 Operator : LM
 Sample : 10 ppb 8260 CCV 67-192N
 Misc : soil/water
 ALS Vial : 24 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 18 18:52:26 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I Fluorobenzene	1.000	1.000	0.0	90	-0.01
2 TMP Ethanol	0.000	0.000#	0.0	0#	0.00
3 S Dibromofluoromethane	0.321	0.333	-3.7	94	0.00
4 TMP Dichlorodifluoromethane	0.800	0.786	1.8	90	-0.01
5 TMP Chloromethane	0.488	0.414	15.2	74	-0.01
6 TMP Vinyl chloride	0.510	0.451	11.6	81	-0.01
7 TMP Bromomethane	0.432	0.550	-27.3#	101	-0.01
8 TMP Chloroethane	0.229	0.227	0.9	87	-0.01
9 TMP Trichlorofluoromethane	1.123	1.080	3.8	89	0.03
10 TMP 2-Propanol	0.000	0.000	0.0	0#	0.00
11 TMP Acetone	0.029	0.030	-3.4	93	-0.01
12 TMP 1,1-Dichloroethene	0.285	0.277	2.8	89	-0.01
13 TMP Hexane	0.323	0.315	2.5	87	-0.01
14 TMP Methylene chloride	0.289	0.293	-1.4	87	0.00
15 TMP t-Butyl alcohol (TBA)	0.024	0.028#	-16.7	104	0.00
16 TMP Methyl t-butyl ether (MTBE)	0.666	0.731	-9.8	98	-0.01
17 TMP trans-1,2-Dichloroethene	0.318	0.306	3.8	88	-0.01
18 TMP Diisopropyl ether (DIPE)	0.698	0.623	10.7	83	-0.01
19 TMP 1,1-Dichloroethane	0.463	0.444	4.1	84	0.00
20 TMP Ethyl t-butyl ether (ETBE)	0.258	0.313	-21.3#	114	-0.01
21 TMP 2,2-Dichloropropane	0.258	0.396	-53.5#	158#	-0.01
22 TMP cis-1,2-Dichloroethene	0.333	0.338	-1.5	91	-0.01
23 TMP Chloroform	0.539	0.517	4.1	88	0.00
24 TMP 2-Butanone (MEK)	0.132	0.132	0.0	91	-0.01
25 TMP t-Amyl methyl ether (TAME)	0.540	0.634	-17.4	106	0.00
26 TMP 1,2-Dichloroethane (EDC)	0.465	0.405	12.9	86	-0.01
27 TMP 1,1,1-Trichloroethane	0.482	0.538	-11.6	102	0.00
28 TMP 1,1-Dichloropropene	0.370	0.361	2.4	89	-0.01
29 TMP Carbon tetrachloride	0.485	0.550	-13.4	106	-0.01
30 S 1,2-Dichloroethane-d4	0.062	0.058	6.5	81	0.00
31 TMP Benzene	1.118	0.992	11.3	82	0.00
32 TMP Trichloroethene	0.367	0.344	6.3	87	-0.01
33 TMP 1,2-Dichloropropane	0.241	0.211	12.4	81	0.00
34 TMP Bromodichloromethane	0.387	0.378	2.3	86	0.00
35 S Toluene-d8	0.954	0.983	-3.0	91	0.00
36 TMP Dibromomethane	0.219	0.204	6.8	85	-0.01
37 TMP 4-Methyl-2-pentanone	0.042	0.048	-14.3	99	-0.01
38 TMP cis-1,3-Dichloropropene	0.360	0.390	-8.3	106	-0.01
39 I Chlorobenzene-d5	1.000	1.000	0.0	101	0.00
40 TMP Toluene	0.907	0.733	19.2	89	0.00
41 TMP trans-1,3-Dichloropropene	0.366	0.387	-5.7	118	0.00
42 TMP 1,1,2-Trichloroethane	0.285	0.219	23.2#	83	0.00
43 TMP 2-Hexanone	0.190	0.195	-2.6	103	0.00

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111829.D
 Acq On : 18 Nov 2022 06:31 pm
 Operator : LM
 Sample : 10 ppb 8260 CCV 67-192N
 Misc : soil/water
 ALS Vial : 24 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 18 18:52:26 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 Qlast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.457	0.389	14.9	86	-0.01
45 TMP Tetrachloroethene	0.460	0.424	7.8	104	0.00
46 TMP Dibromochloromethane	0.451	0.449	0.4	108	-0.01
47 TMP 1,2-Dibromoethane (EDB)	0.360	0.343	4.7	98	-0.01
48 TMP Chlorobenzene	0.993	0.956	3.7	100	0.00
49 TMP Ethylbenzene	1.557	1.389	10.8	92	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.387	0.402	-3.9	110	0.00
51 TMP m,p-Xylene	0.612	0.584	4.6	98	0.00
52 TMP o-Xylene	0.591	0.578	2.2	101	0.00
53 TMP Styrene	0.887	0.860	3.0	97	0.00
54 TMP Isopropylbenzene	1.435	1.400	2.4	98	0.00
55 TMP Bromoform	0.299	0.312	-4.3	109	0.00
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	99	0.00
57 S 4-Bromofluorobenzene	0.689	0.665	3.5	95	0.00
58 TMP n-Propylbenzene	2.700	2.606	3.5	92	0.00
59 TMP Bromobenzene	0.837	0.880	-5.1	105	0.00
60 TMP 1,3,5-Trimethylbenzene	1.968	2.056	-4.5	103	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.626	0.557	11.0	88	0.00
62 TMP 1,2,3-Trichloropropane	0.486	0.402#	17.3	84	0.00
63 TMP 2-Chlorotoluene	1.617	1.556	3.8	93	0.00
64 TMP 4-Chlorotoluene	1.912	1.804	5.6	94	0.00
65 TMP tert-Butylbenzene	1.952	2.092	-7.2	109	0.00
66 TMP 1,2,4-Trimethylbenzene	1.996	2.159	-8.2	106	0.00
67 TMP sec-Butylbenzene	2.624	2.708	-3.2	101	0.00
68 TMP p-Isopropyltoluene	2.387	2.643	-10.7	109	0.00
69 TMP 1,3-Dichlorobenzene	1.530	1.573	-2.8	103	0.00
70 TMP 1,4-Dichlorobenzene	1.564	1.561	0.2	101	0.00
71 TMP 1,2-Dichlorobenzene	1.455	1.498	-3.0	101	0.00
72 TMP 1,2-Dibromo-3-chloropropane	0.108	0.107	0.9	101	0.00
73 TMP 1,2,4-Trichlorobenzene	0.971	1.061	-9.3	114	0.00
74 TMP Hexachlorobutadiene	0.600	0.650	-8.3	111	0.00
75 TMP Naphthalene	1.833	1.969	-7.4	113	0.00
76 TMP 1,2,3-Trichlorobenzene	0.846	0.893	-5.6	109	0.00

(#) = Out of Range

SPCC's out = 3 CCC's out = 0

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111829.D
 Acq On : 18 Nov 2022 06:31 pm
 Operator : LM
 Sample : 10 ppb 8260 CCV 67-192N
 Misc : soil/water
 ALS Vial : 24 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 18 18:52:26 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 Qlast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.73	96	94077	10.000	ppb	-0.01
39) Chlorobenzene-d5	7.40	117	87816	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	50565	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.17	113	31344	10.389	ppb	0.00
Spiked Amount	10.000	Range 50 - 150	Recovery	=	103.90%	
30) 1,2-Dichloroethane-d4	4.45	102	5502	9.411	ppb	0.00
Spiked Amount	10.000	Range 84 - 120	Recovery	=	94.10%	
35) Toluene-d8	6.11	98	92473	10.306	ppb	0.00
Spiked Amount	10.000	Range 73 - 128	Recovery	=	103.10%	
57) 4-Bromofluorobenzene	8.51	95	33644	9.656	ppb	0.00
Spiked Amount	10.000	Range 57 - 146	Recovery	=	96.60%	
Target Compounds						
2) Ethanol	2.33	45	316	No Calib		
4) Dichlorodifluoromethane	1.11	85	73969	9.828	ppb	98
5) Chloromethane	1.25	50	38994	8.491	ppb	96
6] Vinyl chloride	1.33	62	42467	8.856	ppb	97
7) Bromomethane	1.57	94	51697	12.719	ppb	97
8] Chloroethane	1.64	64	21377	9.937	ppb	94
9) Trichlorofluoromethane	1.86	101	101558	9.612	ppb	99
10) 2-Propanol	2.33	45	316	No Calib	#	
11) Acetone	2.32	58	13880	56.005	ppb	97
12] 1,1-Dichloroethene	2.26	96	26078	9.730	ppb	97
13) Hexane	3.15	57	29613	9.737	ppb	96
14) Methylene chloride	2.68	84	27532	9.734	ppb	95
15) t-Butyl alcohol (TBA)	2.82	59	13130	58.149	ppb	91
16] Methyl t-butyl ether (...)	2.92	73	68811	10.986	ppb	100
17] trans-1,2-Dichloroethene	2.91	96	28817	9.618	ppb	97
18) Diisopropyl ether (DIPE)	3.34	45	58604	8.928	ppb	99
19] 1,1-Dichloroethane	3.27	63	41808	9.590	ppb	92
20) Ethyl t-butyl ether (E...)	3.65	87	29470	12.160	ppb	88
21) 2,2-Dichloropropane	3.76	77	37299	16.358	ppb	99
22] cis-1,2-Dichloroethene	3.76	96	31829	10.156	ppb	95
23) Chloroform	4.04	83	48612	9.593	ppb	99
24) 2-Butanone (MEK)	3.78	43	62240	52.722	ppb	100
25) t-Amyl methyl ether (T...)	4.61	73	59641	11.731	ppb	90
26] 1,2-Dichloroethane (EDC)	4.52	62	38057	9.953	ppb	95
27] 1,1,1-Trichloroethane	4.19	97	50652	11.174	ppb	92
28) 1,1-Dichloropropene	4.32	75	33938	9.981	ppb	93
29) Carbon tetrachloride	4.32	117	51728	11.334	ppb	95
31] Benzene	4.50	78	93301	8.868	ppb	97
32] Trichloroethene	5.04	95	32360	9.385	ppb	91
33) 1,2-Dichloropropane	5.24	63	19834	8.750	ppb	92
34) Bromodichloromethane	5.48	83	35596	9.787	ppb	88
36) Dibromomethane	5.34	93	19217	9.308	ppb	# 80

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111829.D
 Acq On : 18 Nov 2022 06:31 pm
 Operator : LM
 Sample : 10 ppb 8260 CCV 67-192N
 Misc : soil/water
 ALS Vial : 24 Sample Multiplier: 1
 InstName : GCMS13

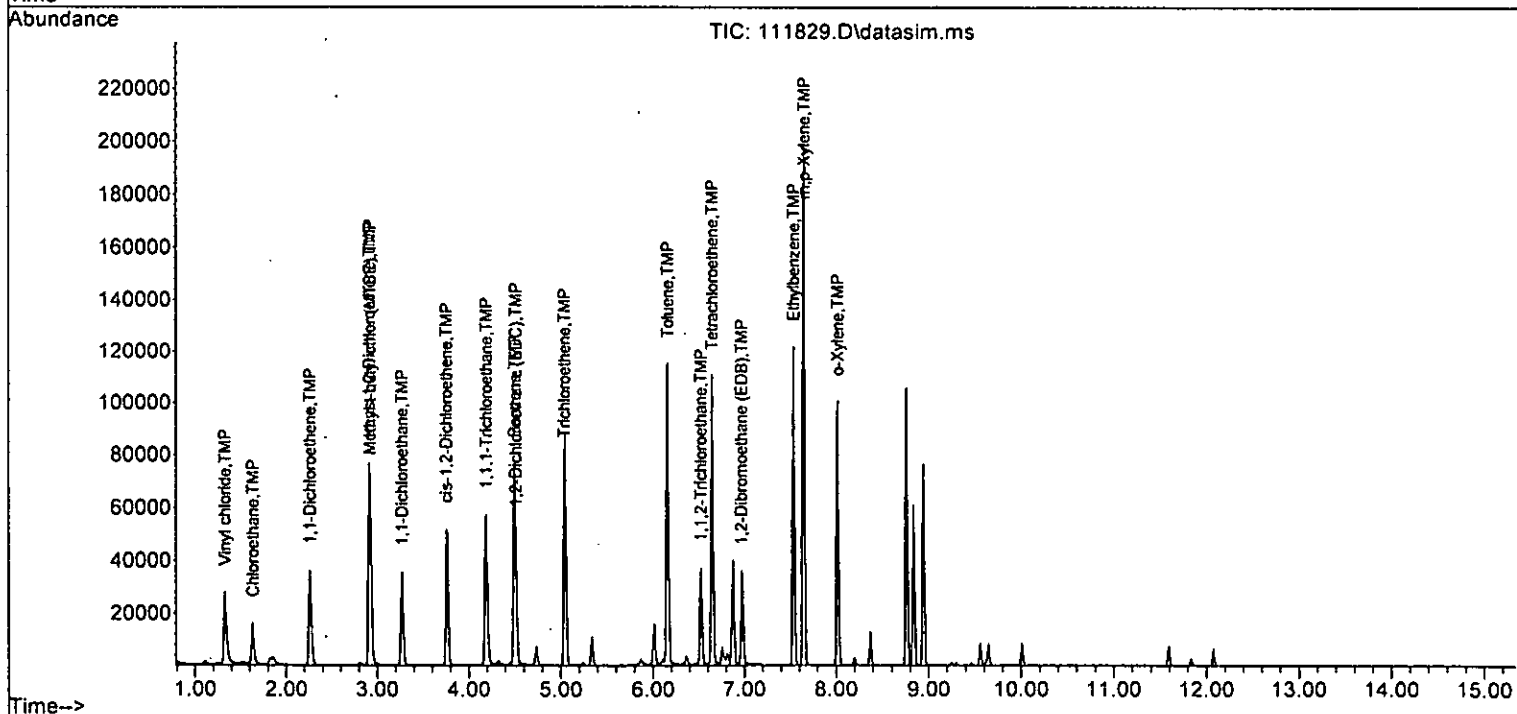
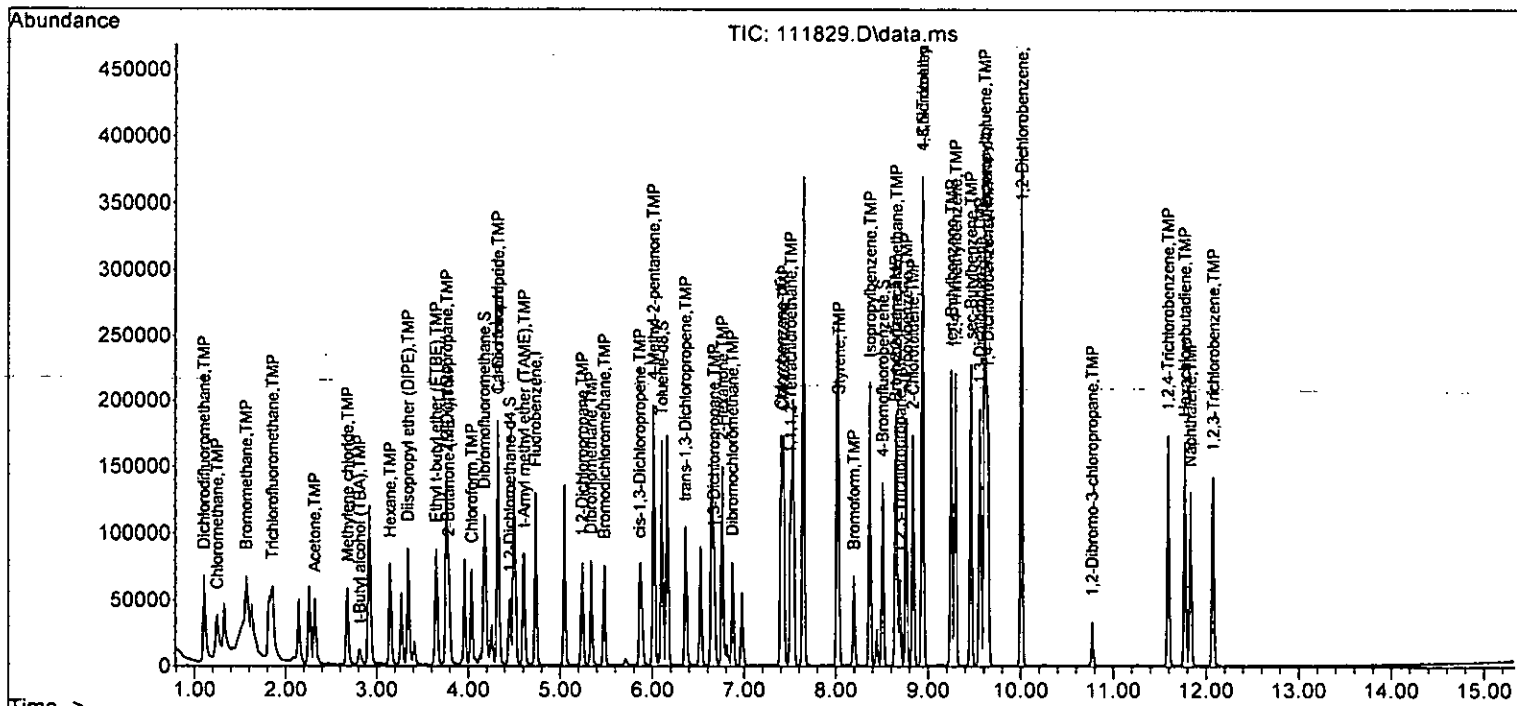
Quant Time: Nov 18 18:52:26 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	6.01	85	22417	56.166	ppb	89
38) cis-1,3-Dichloropropene	5.86	75	36652	10.819	ppb	82
40] Toluene	6.16	92	64342	9.139	ppb	93
41) trans-1,3-Dichloropropene	6.36	75	34020	10.985	ppb	91
42] 1,1,2-Trichloroethane	6.53	83	19244	8.465	ppb #	78
43) 2-Hexanone	6.76	43	85430	51.322	ppb	96
44) 1,3-Dichloropropane	6.67	76	34188	8.515	ppb	100
45] Tetrachloroethene	6.65	164	37255	10.740	ppb	92
46) Dibromochloromethane	6.87	129	39423	10.434	ppb	100
47] 1,2-Dibromoethane (EDB)	6.97	107	30080	9.527	ppb	94
48) Chlorobenzene	7.43	112	83919	9.624	ppb	92
49] Ethylbenzene	7.54	91	121968	8.921	ppb	88
50) 1,1,1,2-Tetrachloroethane	7.51	131	35277	10.392	ppb	94
51] m,p-Xylene	7.65	106	102521	19.082	ppb #	79
52] o-Xylene	8.02	106	50761	9.785	ppb #	78
53) Styrene	8.03	104	75532	9.694	ppb	93
54) Isopropylbenzene	8.37	105	122950	9.754	ppb	92
55) Bromoform	8.20	173	27373	10.425	ppb	95
58) n-Propylbenzene	8.77	91	131784	9.654	ppb	84
59) Bromobenzene	8.65	156	44483	10.505	ppb #	80
60) 1,3,5-Trimethylbenzene	8.94	105	103966	10.450	ppb	92
61) 1,1,2,2-Tetrachloroethane	8.65	83	28142	9.528	ppb	96
62) 1,2,3-Trichloropropane	8.70	75	20314	8.263	ppb	86
63) 2-Chlorotoluene	8.84	91	78701	9.627	ppb	86
64) 4-Chlorotoluene	8.94	91	91216	9.435	ppb	89
65) tert-Butylbenzene	9.25	119	105795	10.719	ppb	88
66) 1,2,4-Trimethylbenzene	9.30	105	109148	10.813	ppb	91
67) sec-Butylbenzene	9.46	105	136952	10.323	ppb	93
68) p-Isopropyltoluene	9.61	119	133660	11.074	ppb	95
69) 1,3-Dichlorobenzene	9.56	146	79529	10.283	ppb	94
70) 1,4-Dichlorobenzene	9.64	146	78922	9.980	ppb	94
71) 1,2-Dichlorobenzene	10.01	146	75765	10.301	ppb	96
72) 1,2-Dibromo-3-chloropr...	10.77	75	5396	9.890	ppb	80
73) 1,2,4-Trichlorobenzene	11.59	180	53630	10.928	ppb	97
74) Hexachlorobutadiene	11.77	225	32862	10.837	ppb	97
75) Naphthalene	11.83	128	99579	10.583	ppb	99
76) 1,2,3-Trichlorobenzene	12.08	180	45163	10.558	ppb	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111829.D
 Acq On : 18 Nov 2022 06:31 pm
 Operator : LM
 Sample : 10 ppb 8260 CCV 67-192N
 Misc : soil/water
 ALS Vial : 24 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 18 18:52:26 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

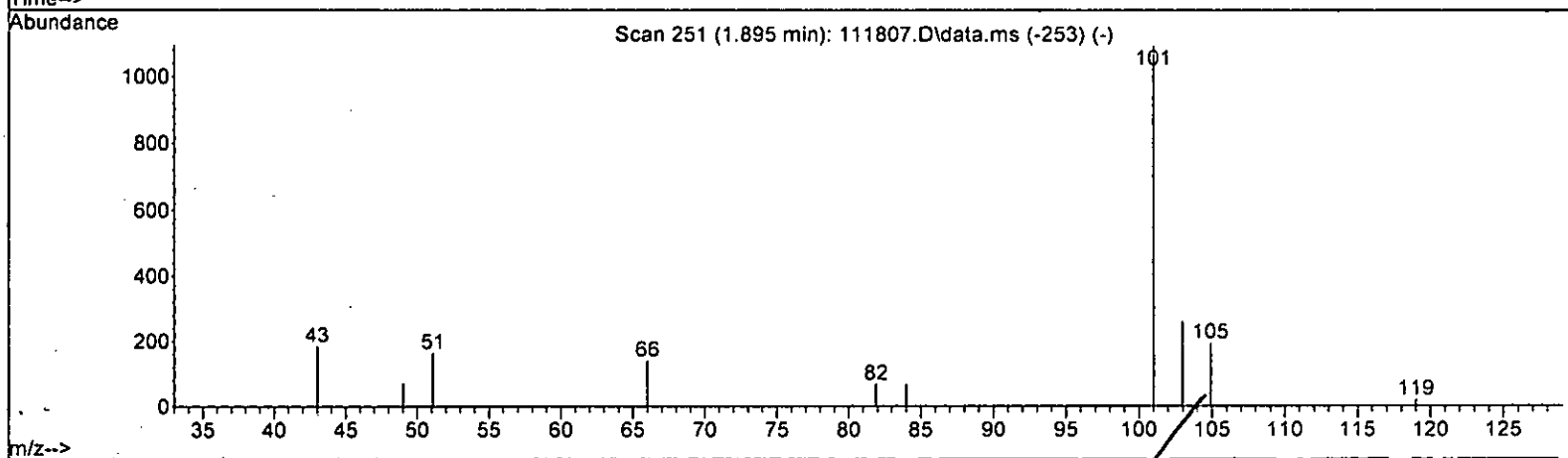
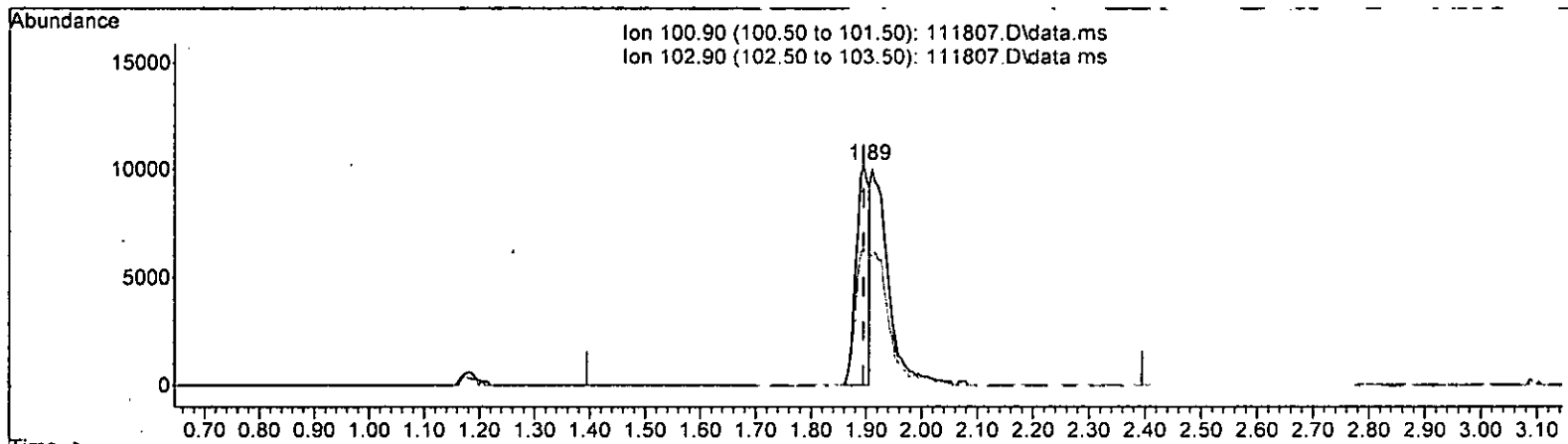


EPA 8260D
Quality Assurance Data

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS4\11-18-22\
 Data File : 111807.D
 Acq On : 18 Nov 2022 1:09 pm
 Operator : lm
 Sample : 02-2753 lcs
 Misc : soil
 ALS Vial : 7 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 18 15:47:43 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



TIC: 111807.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.895min (-0.000) 5.140 ppb

response 16867

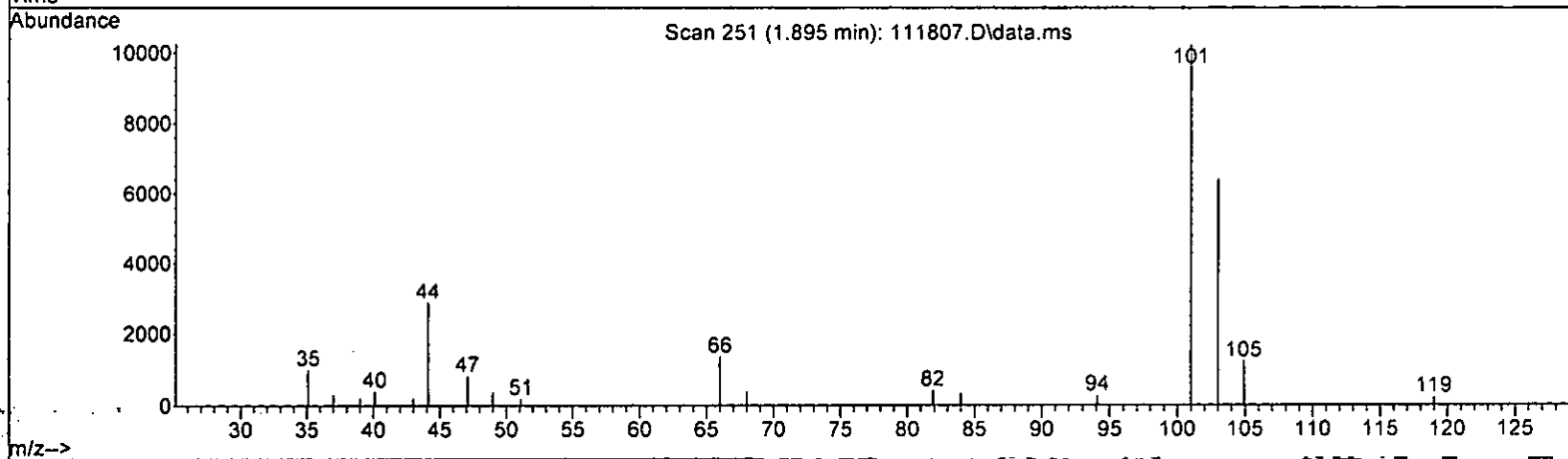
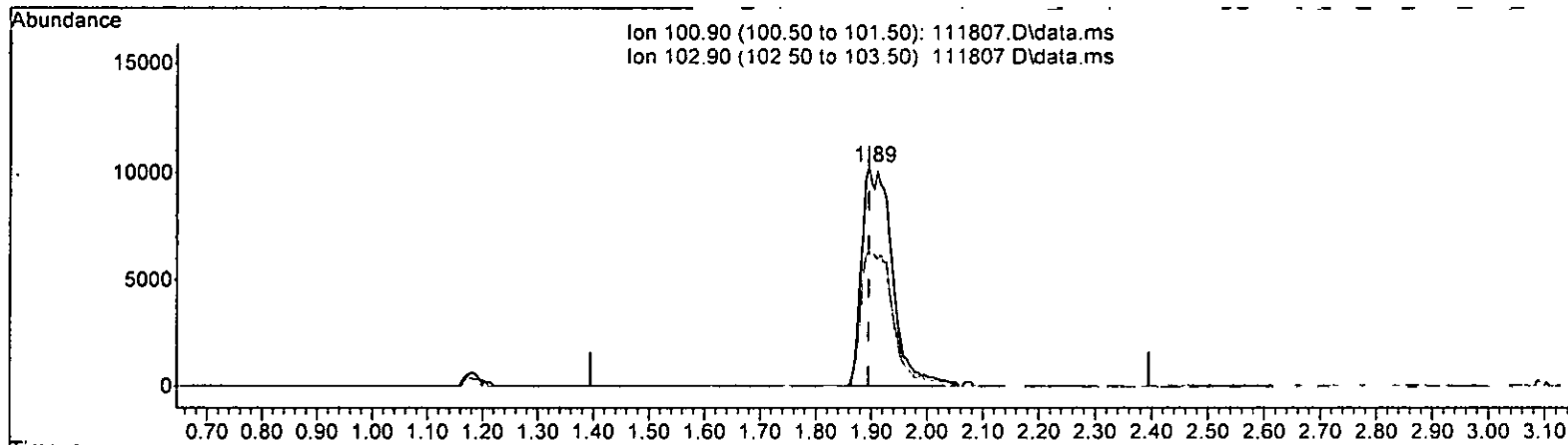
Ion	Exp%	Act%
100.90	100.00	100.00
102.90	61.00	62.60
0.00	0.00	0.00
0.00	0.00	0.00

lm 11.22.22

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS4\11-18-22\
 Data File : 111807.D
 Acq On : 18 Nov 2022 1:09 pm
 Operator : lm
 Sample : 02-2753 lcs
 Misc : soil
 ALS Vial : 7 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 18 15:47:43 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



TIC: 111807.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.895min (-0.000) 11.808 ppb m

response 38750

Ion	Exp%	Act%
100.90	100.00	100.00
102.90	61.00	62.60
0.00	0.00	0.00
0.00	0.00	0.00

lm 11.22.22

Data Path : Y:\Proc_GCMS4\11-18-22\
 Data File : 111807.D
 Acq On : 18 Nov 2022 1:09 pm
 Operator : lm
 Sample : 02-2753 lcs
 Misc : soil
 ALS Vial : 7 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 18 15:47:43 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	4.78	96	58427	10.000	ppb	0.00	
39) Chlorobenzene-d5	7.43	117	54899	10.000	ppb	0.00	
56) 1,4-Dichlorobenzene-d4	9.65	152	36699	10.000	ppb	0.00	
System Monitoring Compounds							
3) Dibromofluoromethane	4.21	113	16833	10.480	ppb	0.00	
Spiked Amount	10.000	Range	0 - 1000	Recovery	=	104.80%	
30) 1,2-Dichloroethane-d4	4.49	102	3628	9.780	ppb	0.00	
Spiked Amount	10.000	Range	90 - 109	Recovery	=	97.80%	
35) Toluene-d8	6.14	98	62845	10.737	ppb	0.00	
Spiked Amount	10.000	Range	89 - 112	Recovery	=	107.40%	
57) 4-Bromofluorobenzene	8.54	95	25487	9.903	ppb	0.00	
Spiked Amount	10.000	Range	84 - 115	Recovery	=	99.00%	
Target Compounds							
							Qvalue
2) Ethanol	1.07	45	541	No Calib	#		
4) Dichlorodifluoromethane	1.18	85	13653	5.705	ppb		96
5) Chloromethane	1.31	50	19253	8.677	ppb		98
6) Vinyl chloride	1.40	62	19820	9.416	ppb		98
7) Bromomethane	1.64	94	16574	16.933	ppb		93
8) Chloroethane	1.71	64	12987	11.764	ppb		100
9) Trichlorofluoromethane	1.89	101	38750m	11.808	ppb		
10) 2-Propanol	2.98	45	2929	No Calib			
11) Acetone	2.38	58	17372	110.496	ppb		96
12) 1,1-Dichloroethene	2.32	96	20819	10.688	ppb		84
13) Hexane	3.21	57	22125	10.866	ppb		95
14) Methylene chloride	2.73	84	22932	10.931	ppb		86
15) t-Butyl alcohol (TBA)	2.87	59	16016	53.502	ppb		95
16) Methyl t-butyl ether (...)	2.98	73	62773	11.060	ppb		99
17) trans-1,2-Dichloroethene	2.97	96	22271	10.802	ppb	#	81
18) Diisopropyl ether (DIPE)	3.40	45	56390	10.862	ppb		94
19) 1,1-Dichloroethane	3.32	63	35019	11.187	ppb		97
20) Ethyl t-butyl ether (E...)	3.70	87	27512	11.080	ppb	#	80
21) 2,2-Dichloropropane	3.81	77	26125	13.007	ppb		93
22) cis-1,2-Dichloroethene	3.80	96	25210	11.296	ppb	#	82
23) Chloroform	4.08	83	38898	11.468	ppb		96
24) 2-Butanone (MEK)	3.83	43	64722	59.524	ppb		95
25) t-Amyl methyl ether (T...)	4.65	73	61707	10.960	ppb		97
26) 1,2-Dichloroethane (EDC)	4.55	62	28967	11.315	ppb		95
27) 1,1,1-Trichloroethane	4.23	97	34612	11.127	ppb		93
28) 1,1-Dichloropropene	4.37	75	29709	11.347	ppb		91
29) Carbon tetrachloride	4.37	117	32944	11.765	ppb		95
31) Benzene	4.54	78	85347	11.362	ppb		92
32) Trichloroethene	5.09	95	24368	11.185	ppb	#	77
33) 1,2-Dichloropropane	5.27	63	19723	11.869	ppb		97
34) Bromodichloromethane	5.51	83	27917	11.069	ppb		97
36) Dibromomethane	5.37	93	14704	11.666	ppb	#	79

Data Path : Y:\Proc_GCMS4\11-18-22\
 Data File : 111807.D
 Acq On : 18 Nov 2022 1:09 pm
 Operator : lm
 Sample : 02-2753 lcs
 Misc : soil
 ALS Vial : 7 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 18 15:47:43 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

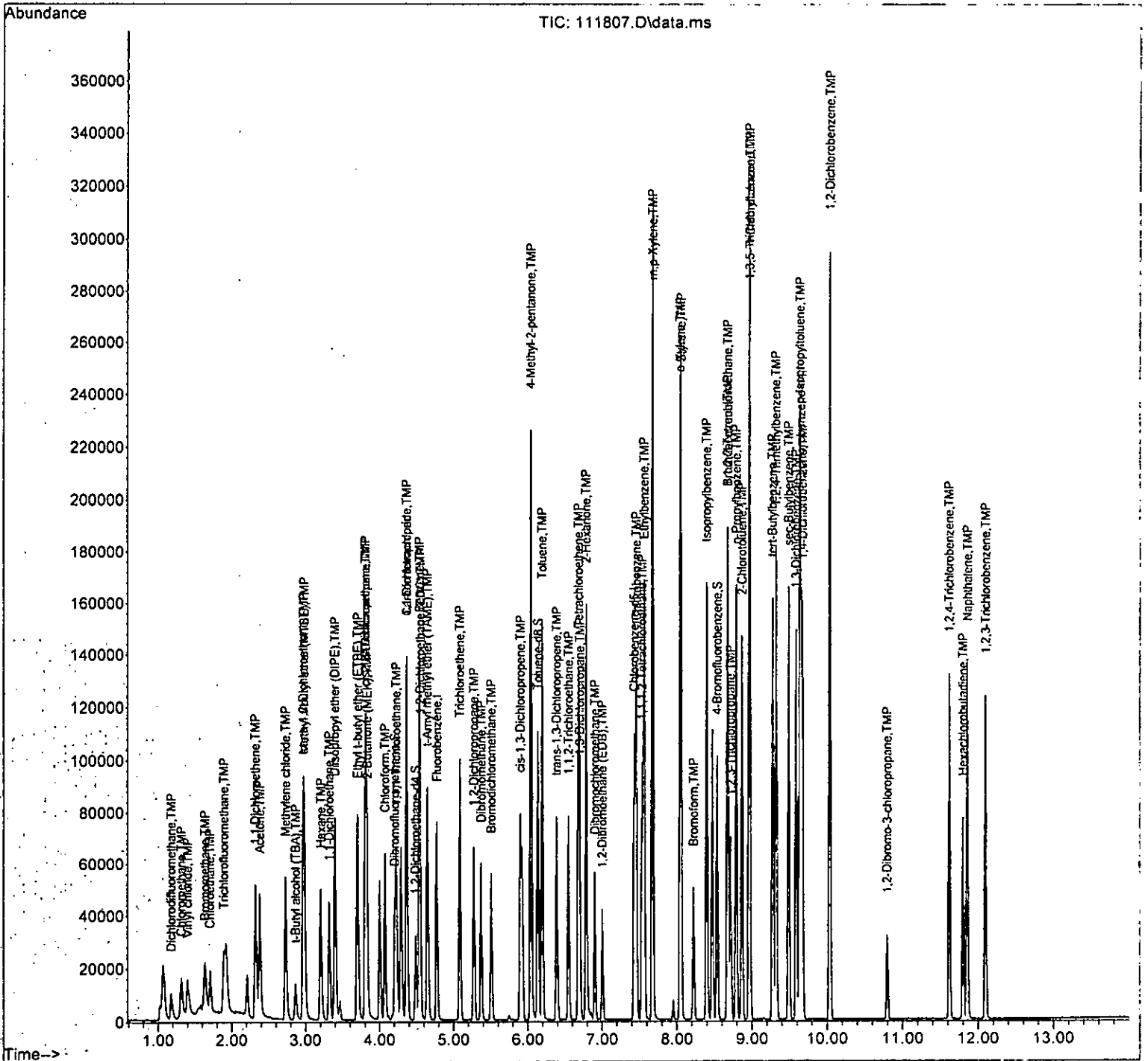
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	6.04	85	24967	55.574	ppb #	79
38) cis-1,3-Dichloropropene	5.90	75	32908	11.171	ppb	90
40) Toluene	6.19	92	53613	10.092	ppb	99
41) trans-1,3-Dichloropropene	6.39	75	30785	10.142	ppb	93
42) 1,1,2-Trichloroethane	6.55	83	16636	10.339	ppb	91
43) 2-Hexanone	6.79	43	81298	46.215	ppb	97
44) 1,3-Dichloropropane	6.70	76	30870	10.038	ppb	97
45) Tetrachloroethene	6.69	164	25358	10.721	ppb	95
46) Dibromochloromethane	6.91	129	25271	10.901	ppb	97
47) 1,2-Dibromoethane (EDB)	7.00	107	22434	10.262	ppb	96
48) Chlorobenzene	7.46	112	64291	10.200	ppb	88
49) Ethylbenzene	7.56	91	102543	10.123	ppb	95
50) 1,1,1,2-Tetrachloroethane	7.54	131	24210	10.363	ppb	97
51) m,p-Xylene	7.67	106	83787	20.460	ppb	91
52) o-Xylene	8.05	106	42277	10.390	ppb	83
53) Styrene	8.06	104	68147	9.867	ppb	88
54) Isopropylbenzene	8.40	105	101239	9.819	ppb	95
55) Bromoform	8.22	173	21860	11.605	ppb	95
58) n-Propylbenzene	8.79	91	114898	9.891	ppb	90
59) Bromobenzene	8.68	156	33902	10.087	ppb #	78
60) 1,3,5-Trimethylbenzene	8.97	105	87799	10.240	ppb	89
61) 1,1,2,2-Tetrachloroethane	8.68	83	30342	10.257	ppb	96
62) 1,2,3-Trichloropropane	8.72	75	23046	10.287	ppb	96
63) 2-Chlorotoluene	8.87	91	69180	9.976	ppb	88
64) 4-Chlorotoluene	8.97	91	81916	9.907	ppb	83
65) tert-Butylbenzene	9.27	119	76444	10.100	ppb	86
66) 1,2,4-Trimethylbenzene	9.32	105	90065	10.087	ppb	93
67) sec-Butylbenzene	9.49	105	103609	10.196	ppb	94
68) p-Isopropyltoluene	9.64	119	94343	10.179	ppb	92
69) 1,3-Dichlorobenzene	9.59	146	61943	10.393	ppb	95
70) 1,4-Dichlorobenzene	9.67	146	61146	9.945	ppb	97
71) 1,2-Dichlorobenzene	10.03	146	59297	10.131	ppb	92
72) 1,2-Dibromo-3-chloropr...	10.80	75	6126	9.988	ppb #	50
73) 1,2,4-Trichlorobenzene	11.62	180	42470	9.641	ppb	99
74) Hexachlorobutadiene	11.80	225	16880	9.941	ppb	96
75) Naphthalene	11.86	128	103814	9.567	ppb	99
76) 1,2,3-Trichlorobenzene	12.10	180	40076	9.613	ppb	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS4\11-18-22\
 Data File : 111807.D
 Acq On : 18 Nov 2022 1:09 pm
 Operator : lm
 Sample : 02-2753 lcs
 Misc : soil
 ALS Vial : 7 Sample Multiplier: 1
 InstName : GCMS4

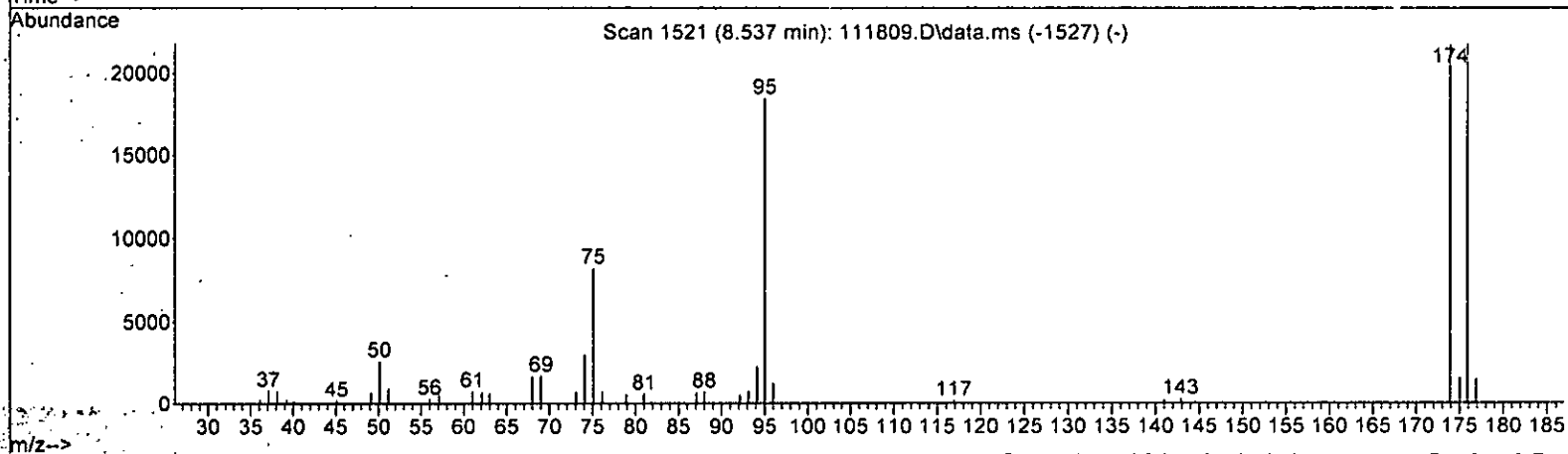
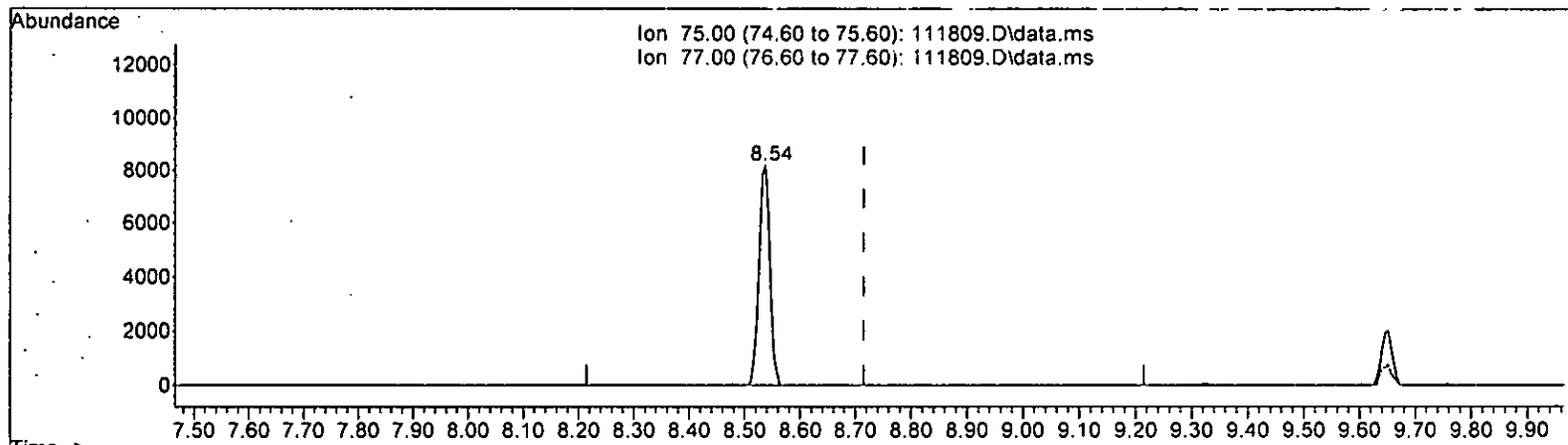
Quant Time: Nov 18 15:47:43 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS4\11-18-22\
 Data File : 111809.D
 Acq On : 18 Nov 2022 4:33 pm
 Operator : lm
 Sample : 02-2753 mb
 Misc : soil
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 22 09:07:47 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



TIC: 111809.D\data.ms

(62) 1,2,3-Trichloropropane (TMP)

8.537min (-0.178) 5.032 ppb

response	11200
Ion	Exp% Act%
75.00	100.00 100.00
77.00	32.90 0.00#
0.00	0.00 0.00
0.00	0.00 0.00

Data Path : Y:\Proc_GCMS4\11-18-22\
 Data File : 111809.D
 Acq On : 18 Nov 2022 4:33 pm
 Operator : lm
 Sample : 02-2753 mb
 Misc : soil
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 22 09:07:47 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

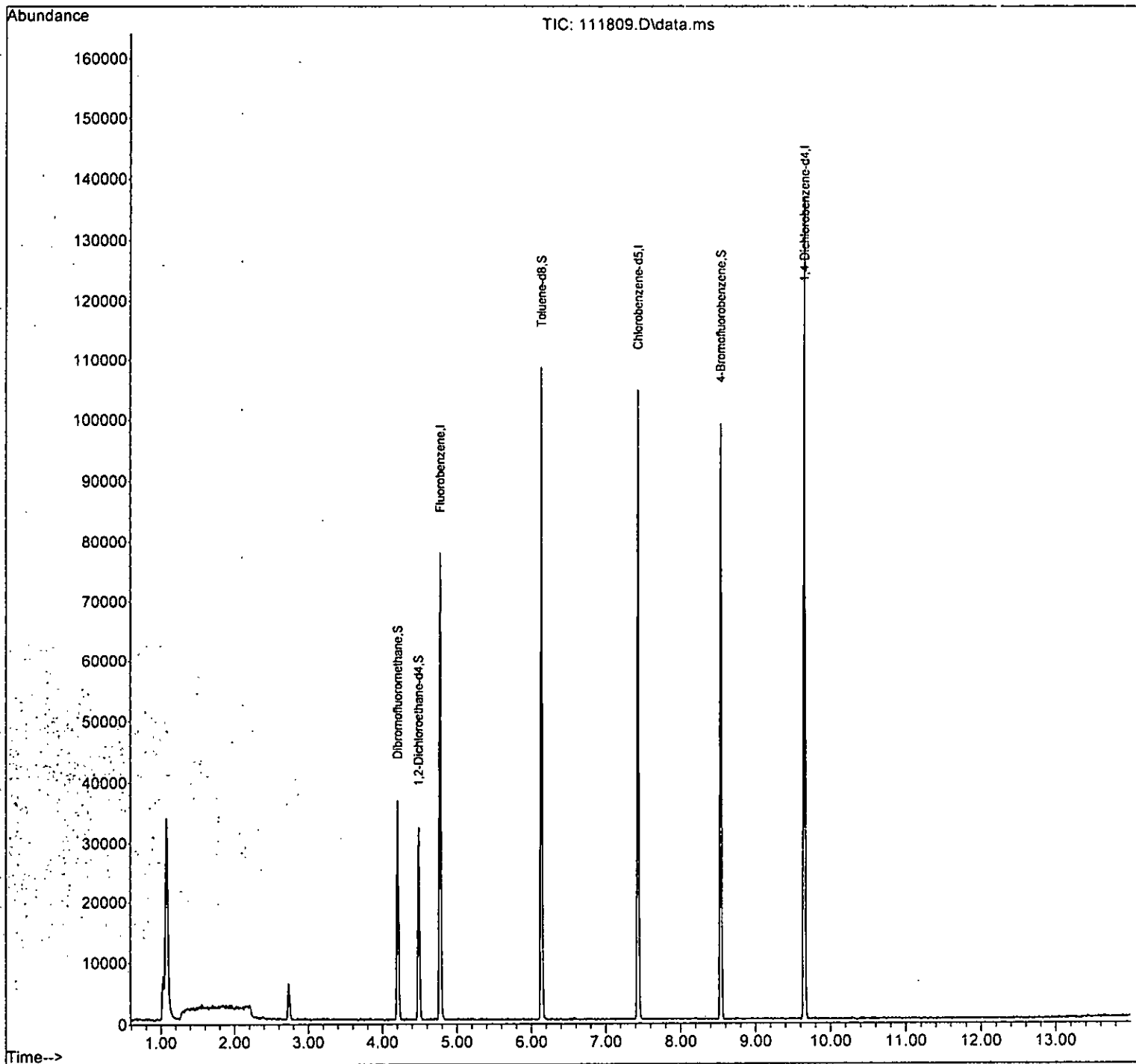
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	4.78	96	58544	10.000	ppb	0.00
39) Chlorobenzene-d5	7.43	117	53335	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.65	152	36463	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.21	113	16917	10.512	ppb	0.00
Spiked Amount	10.000	Range	0 - 1000	Recovery	=	105.10%
30) 1,2-Dichloroethane-d4	4.49	102	3656	9.836	ppb	0.00
Spiked Amount	10.000	Range	90 - 109	Recovery	=	98.40%
35) Toluene-d8	6.14	98	61137	10.425	ppb	0.00
Spiked Amount	10.000	Range	89 - 112	Recovery	=	104.20%
57) 4-Bromofluorobenzene	8.54	95	24904	9.739	ppb	0.00
Spiked Amount	10.000	Range	84 - 115	Recovery	=	97.40%
Target Compounds						
14) Methylene chloride	2.73	84	2761	Below Cal		Qvalue 81

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS4\11-18-22\
 Data File : 111809.D
 Acq On : 18 Nov 2022 4:33 pm
 Operator : lm
 Sample : 02-2753 mb
 Misc : soil
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 22 09:07:47 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



Data Path : Y:\Proc_GCMS4\11-18-22\
 Data File : 111809.D
 Acq On : 18 Nov 2022 4:33 pm
 Operator : lm
 Sample : 02-2753 mb
 Misc : soil
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 22 09:07:47 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	4.78	96	58544	10.000	ppb	0.00
39) Chlorobenzene-d5	7.43	117	53335	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.65	152	36463	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.21	113	16917	10.512	ppb	0.00
Spiked Amount	10.000	Range	0 - 1000	Recovery	=	105.10%
30) 1,2-Dichloroethane-d4	4.49	102	3656	9.836	ppb	0.00
Spiked Amount	10.000	Range	90 - 109	Recovery	=	98.40%
35) Toluene-d8	6.14	98	61137	10.425	ppb	0.00
Spiked Amount	10.000	Range	89 - 112	Recovery	=	104.20%
57) 4-Bromofluorobenzene	8.54	95	24904	9.739	ppb	0.00
Spiked Amount	10.000	Range	84 - 115	Recovery	=	97.40%
Target Compounds						
2) Ethanol	1.08	45	809	No Calib	#	Qvalue
4) Dichlorodifluoromethane	0.00		0	N.D.		
5) Chloromethane	0.00		0	N.D.		
6) Vinyl chloride	0.00		0	N.D.		
7) Bromomethane	1.63	94	251	N.D.		
8) Chloroethane	0.00		0	N.D.		
9) Trichlorofluoromethane	0.00		0	N.D.		
10) 2-Propanol	0.00		0	N.D.		
11) Acetone	0.00		0	N.D.		
12) 1,1-Dichloroethene	0.00		0	N.D.		
13) Hexane	0.00		0	N.D.		
14) Methylene chloride	2.73	84	2761	Below Cal		81
15) t-Butyl alcohol (TBA)	0.00		0	N.D.		
16) Methyl t-butyl ether (...)	0.00		0	N.D.		
17) trans-1,2-Dichloroethene	0.00		0	N.D.		
18) Diisopropyl ether (DIPE)	0.00		0	N.D.		
19) 1,1-Dichloroethane	0.00		0	N.D.		
20) Ethyl t-butyl ether (E...)	0.00		0	N.D.		
21) 2,2-Dichloropropane	0.00		0	N.D.		
22) cis-1,2-Dichloroethene	0.00		0	N.D.		
23) Chloroform	0.00		0	N.D.		
24) 2-Butanone (MEK)	0.00		0	N.D.		
25) t-Amyl methyl ether (T...)	0.00		0	N.D.		
26) 1,2-Dichloroethane (EDC)	0.00		0	N.D.		
27) 1,1,1-Trichloroethane	0.00		0	N.D.		
28) 1,1-Dichloropropene	0.00		0	N.D.		
29) Carbon tetrachloride	0.00		0	N.D.		
31) Benzene	0.00		0	N.D.		
32) Trichloroethene	0.00		0	N.D.		
33) 1,2-Dichloropropane	0.00		0	N.D.		
34) Bromodichloromethane	0.00		0	N.D.		
36) Dibromomethane	0.00		0	N.D.		

Data Path : Y:\Proc_GCMS4\11-18-22\
 Data File : 111809.D
 Acq On : 18 Nov 2022 4:33 pm
 Operator : lm
 Sample : 02-2753 mb
 Misc : soil
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS4

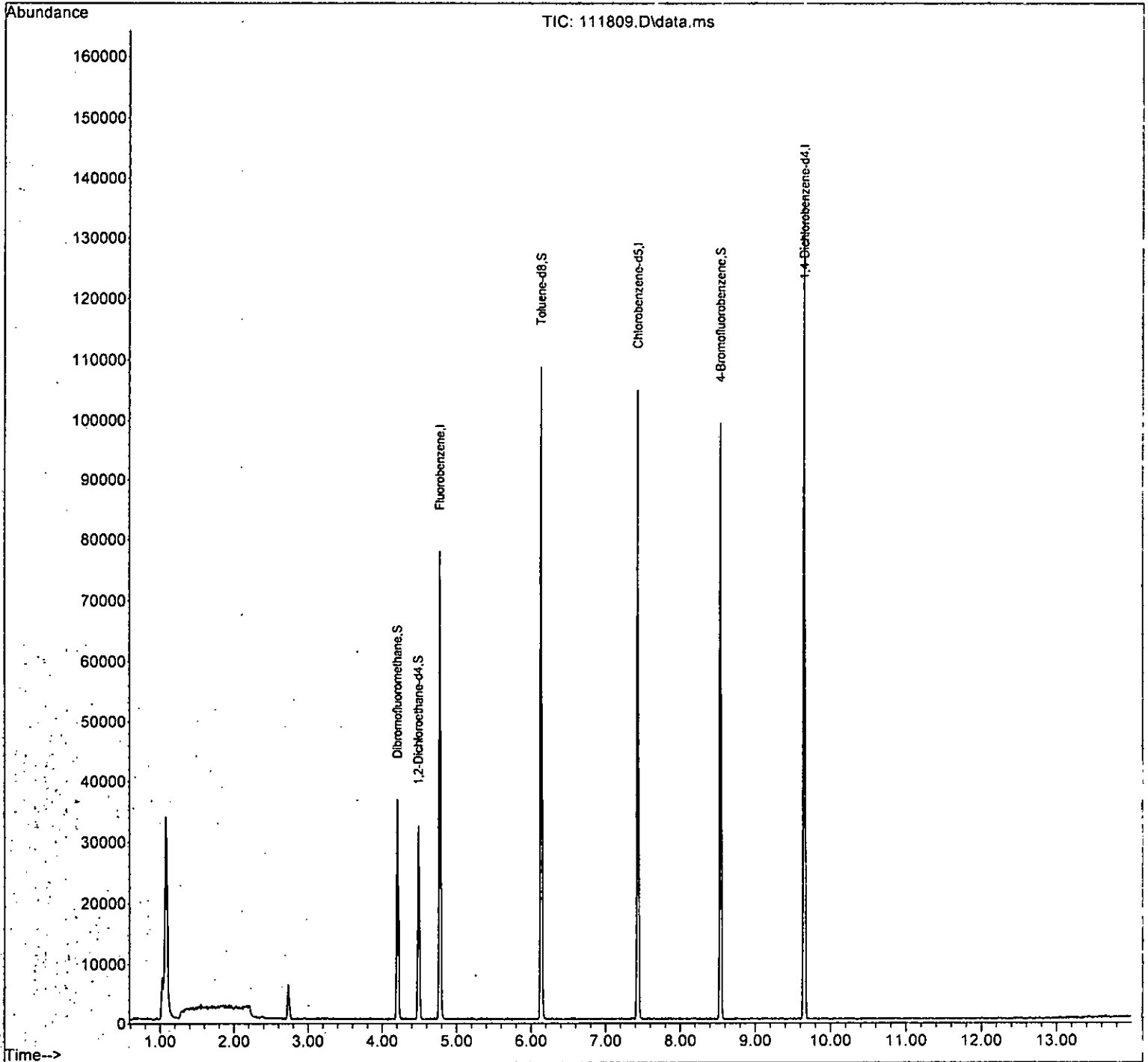
Quant Time: Nov 22 09:07:47 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.00		0		N.D.	
38) cis-1,3-Dichloropropene	0.00		0		N.D.	
40) Toluene	0.00		0		N.D.	
41) trans-1,3-Dichloropropene	0.00		0		N.D.	
42) 1,1,2-Trichloroethane	0.00		0		N.D.	
43) 2-Hexanone	0.00		0		N.D.	
44) 1,3-Dichloropropane	0.00		0		N.D.	
45) Tetrachloroethene	0.00		0		N.D.	
46) Dibromochloromethane	0.00		0		N.D.	
47) 1,2-Dibromoethane (EDB)	0.00		0		N.D.	
48) Chlorobenzene	0.00		0		N.D.	
49) Ethylbenzene	0.00		0		N.D.	
50) 1,1,1,2-Tetrachloroethane	0.00		0		N.D.	
51) m,p-Xylene	0.00		0		N.D.	
52) o-Xylene	0.00		0		N.D.	
53) Styrene	0.00		0		N.D.	
54) Isopropylbenzene	0.00		0		N.D.	
55) Bromoform	0.00		0		N.D.	
58) n-Propylbenzene	0.00		0		N.D.	
59) Bromobenzene	0.00		0		N.D.	
60) 1,3,5-Trimethylbenzene	0.00		0		N.D.	
61) 1,1,2,2-Tetrachloroethane	0.00		0		N.D.	
62) 1,2,3-Trichloropropane	0.00		0		N.D.	d
63) 2-Chlorotoluene	0.00		0		N.D.	
64) 4-Chlorotoluene	0.00		0		N.D.	
65) tert-Butylbenzene	0.00		0		N.D.	
66) 1,2,4-Trimethylbenzene	0.00		0		N.D.	
67) sec-Butylbenzene	0.00		0		N.D.	
68) p-Isopropyltoluene	0.00		0		N.D.	
69) 1,3-Dichlorobenzene	0.00		0		N.D.	
70) 1,4-Dichlorobenzene	0.00		0		N.D.	
71) 1,2-Dichlorobenzene	0.00		0		N.D.	
72) 1,2-Dibromo-3-chloropr...	0.00		0		N.D.	
73) 1,2,4-Trichlorobenzene	0.00		0		N.D.	
74) Hexachlorobutadiene	0.00		0		N.D.	
75) Naphthalene	0.00		0		N.D.	
76) 1,2,3-Trichlorobenzene	0.00		0		N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS4\11-18-22\
 Data File : 111809.D
 Acq On : 18 Nov 2022 4:33 pm
 Operator : lm
 Sample : 02-2753 mb
 Misc : soil
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS4

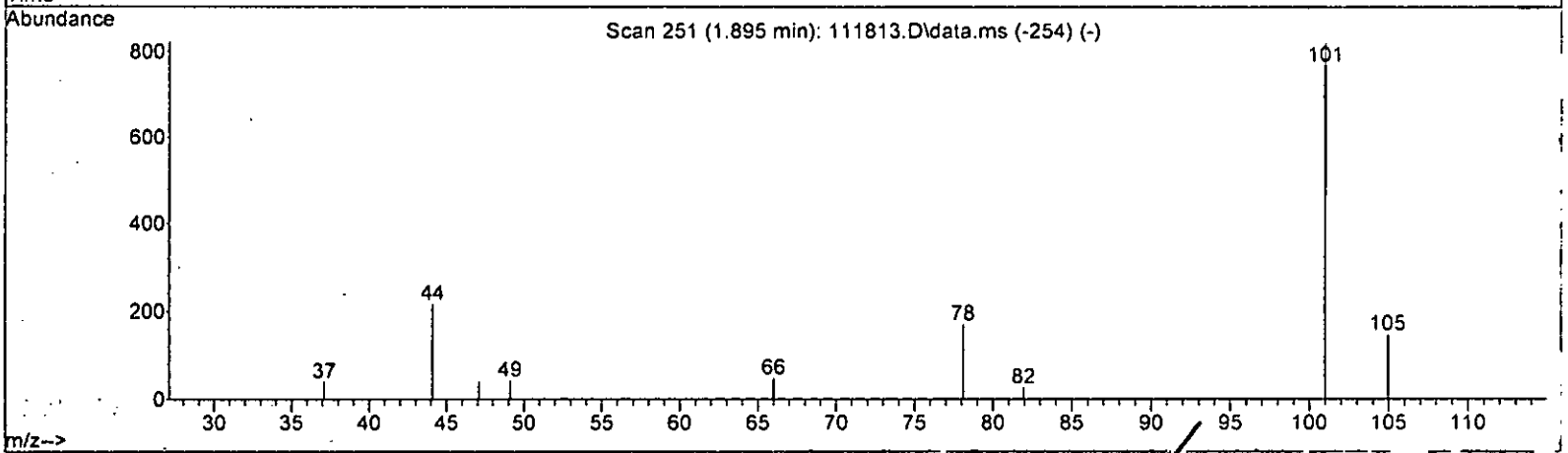
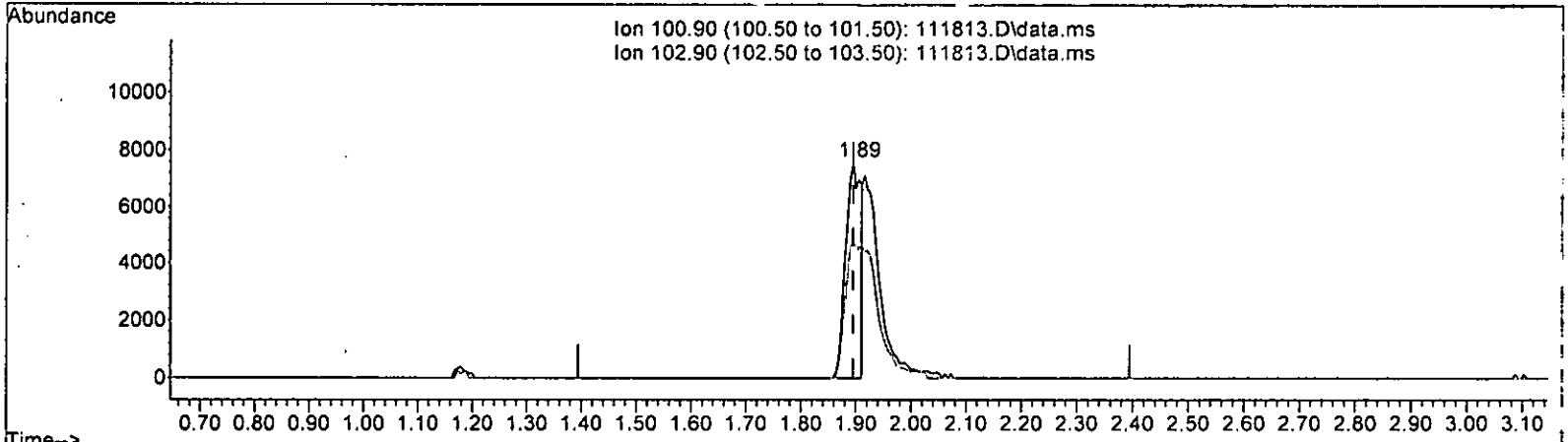
Quant Time: Nov 22 09:07:47 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS4\11-18-22\
 Data File : 111813.D
 Acq On : 18 Nov 2022 7:59 pm
 Operator : lm
 Sample : 211237-01 ms
 Misc : soil
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 22 09:07:59 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



TIC: 111813.D\data.ms

lm 11.22.22

(9) Trichlorofluoromethane (TMP)

1.895min (-0.000) 4.129 ppb

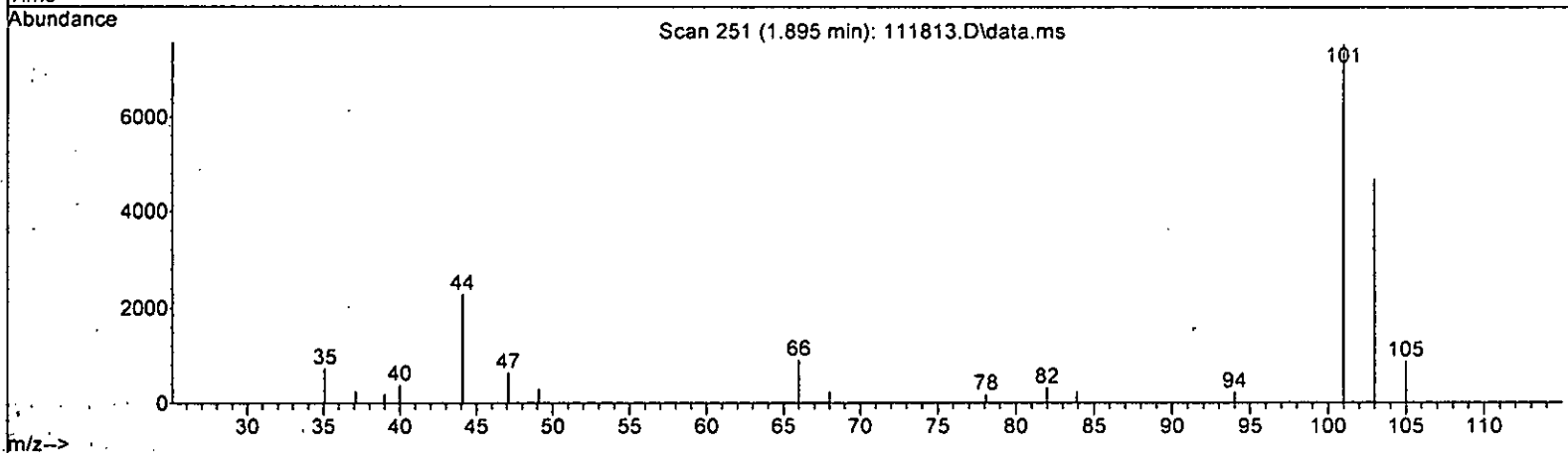
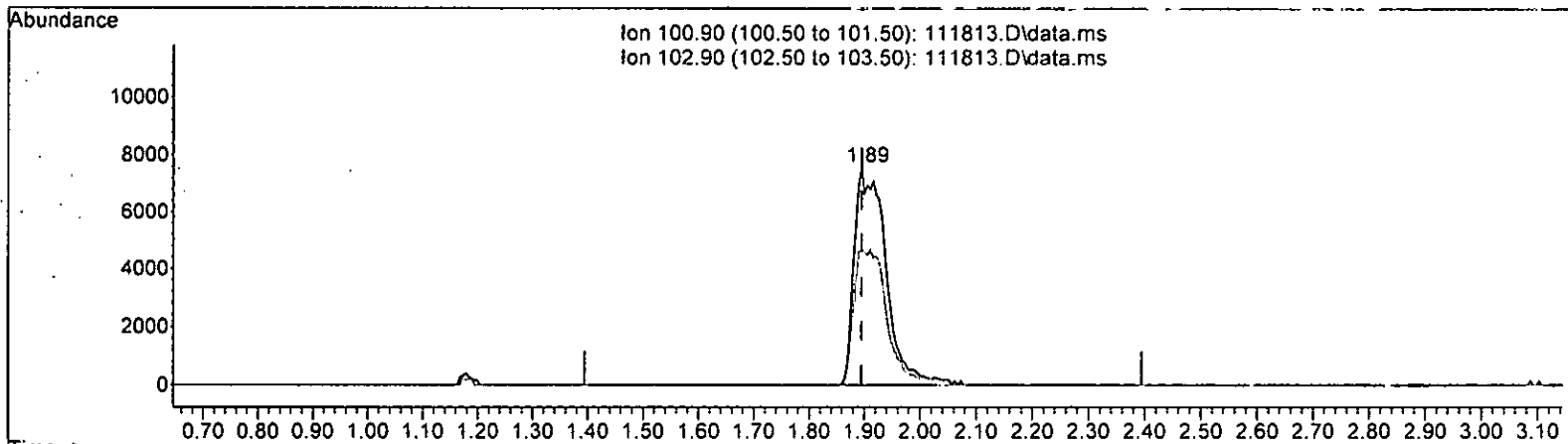
response 14587

Ion	Exp%	Act%
100.90	100.00	100.00
102.90	61.00	61.67
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS4\11-18-22\
 Data File : 111813.D
 Acq On : 18 Nov 2022 7:59 pm
 Operator : lm
 Sample : 211237-01 ms
 Misc : soil
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 22 09:07:59 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 Qlast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



TIC: 111813.D\data.ms

lm 11/22.22

(9) Trichlorofluoromethane (TMP)

1.895min (-0.000) 8.327 ppb m

response 29420

Ion	Exp%	Act%
100.90	100.00	100.00
102.90	61.00	61.67
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Y:\Proc_GCMS4\11-18-22\
 Data File : 111813.D
 Acq On : 18 Nov 2022 7:59 pm
 Operator : lm
 Sample : 211237-01 ms
 Misc : soil
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 22 09:07:59 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.77	96	62898	10.000	ppb	0.00
39) Chlorobenzene-d5	7.43	117	59930	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.65	152	38633	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.21	113	17832	10.313	ppb	0.00
Spiked Amount	10.000	Range	0 - 1000	Recovery	=	103.10%
30) 1,2-Dichloroethane-d4	4.49	102	3938	9.861	ppb	0.00
Spiked Amount	10.000	Range	90 - 109	Recovery	=	98.60%
35) Toluene-d8	6.14	98	68368	10.851	ppb	0.00
Spiked Amount	10.000	Range	89 - 112	Recovery	=	108.50%
57) 4-Bromofluorobenzene	8.54	95	27972	10.324	ppb	0.00
Spiked Amount	10.000	Range	84 - 115	Recovery	=	103.20%
Target Compounds						
2) Ethanol	1.07	45	282	No Calib	#	
4) Dichlorodifluoromethane	1.18	85	7370	2.861	ppb	99
5) Chloromethane	1.31	50	15984	6.691	ppb	97
6) Vinyl chloride	1.40	62	16095	7.103	ppb	96
7) Bromomethane	1.64	94	13039	12.375	ppb	89
8) Chloroethane	1.71	64	10611	8.929	ppb	95
9) Trichlorofluoromethane	1.89	101	29420m	8.327	ppb	
10) 2-Propanol	2.98	45	2886	No Calib		
11) Acetone	2.38	58	16107	95.970	ppb	88
12) 1,1-Dichloroethene	2.32	96	17781	8.480	ppb	# 81
13) Hexane	3.21	57	17480	7.975	ppb	92
14) Methylene chloride	2.73	84	23732	10.446	ppb	83
15) t-Butyl alcohol (TBA)	2.87	59	15504	48.110	ppb	98
16) Methyl t-butyl ether (...)	2.98	73	59630	9.759	ppb	98
17) trans-1,2-Dichloroethene	2.97	96	19699	8.876	ppb	82
18) Diisopropyl ether (DIPE)	3.40	45	53243	9.527	ppb	93
19) 1,1-Dichloroethane	3.32	63	31837	9.447	ppb	98
20) Ethyl t-butyl ether (E...)	3.70	87	25610	9.581	ppb	# 80
21) 2,2-Dichloropropane	3.81	77	22871	10.533	ppb	95
22) cis-1,2-Dichloroethene	3.80	96	23356	9.721	ppb	# 81
23) Chloroform	4.08	83	35945	9.843	ppb	98
24) 2-Butanone (MEK)	3.83	43	62039	53.000	ppb	94
25) t-Amyl methyl ether (T...)	4.65	73	58490	9.650	ppb	99
26) 1,2-Dichloroethane (EDC)	4.55	62	27567	10.003	ppb	99
27) 1,1,1-Trichloroethane	4.23	97	31454	9.393	ppb	94
28) 1,1-Dichloropropene	4.37	75	27303	9.687	ppb	87
29) Carbon tetrachloride	4.37	117	29322	9.727	ppb	93
31) Benzene	4.54	78	79544	9.837	ppb	93
32) Trichloroethene	5.09	95	22591	9.632	ppb	# 78
33) 1,2-Dichloropropane	5.27	63	18518	10.351	ppb	97
34) Bromodichloromethane	5.51	83	26623	9.805	ppb	97
36) Dibromomethane	5.37	93	13999	10.317	ppb	# 81

Data Path : Y:\Proc_GCMS4\11-18-22\
 Data File : 111813.D
 Acq On : 18 Nov 2022 7:59 pm
 Operator : lm
 Sample : 211237-01 ms
 Misc : soil
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 22 09:07:59 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 Qlast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

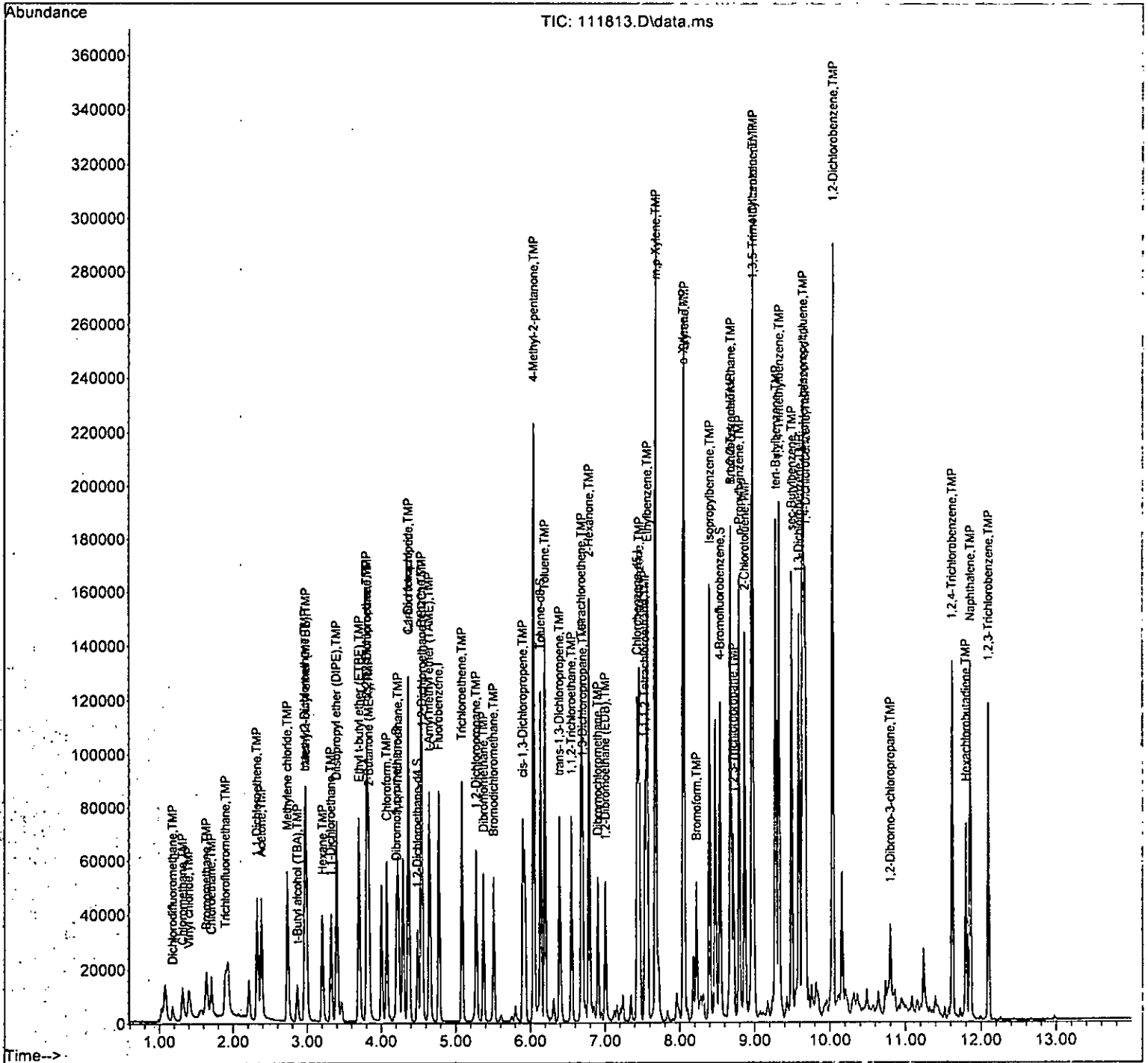
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	6.04	85	24202	50.041	ppb	# 82
38) cis-1,3-Dichloropropene	5.90	75	31208	9.841	ppb	91
40) Toluene	6.19	92	51958	8.959	ppb	99
41) trans-1,3-Dichloropropene	6.39	75	29035	8.763	ppb	97
42) 1,1,2-Trichloroethane	6.55	83	15971	9.093	ppb	92
43) 2-Hexanone	6.79	43	78989	41.133	ppb	96
44) 1,3-Dichloropropane	6.70	76	29997	8.935	ppb	100
45) Tetrachloroethene	6.69	164	23357	9.046	ppb	97
46) Dibromochloromethane	6.90	129	23582	9.336	ppb	99
47) 1,2-Dibromoethane (EDB)	7.00	107	22012	9.224	ppb	99
48) Chlorobenzene	7.46	112	60997	8.865	ppb	89
49) Ethylbenzene	7.56	91	98594	8.916	ppb	92
50) 1,1,1,2-Tetrachloroethane	7.54	131	22289	8.740	ppb	98
51) m,p-Xylene	7.67	106	79835	17.859	ppb	89
52) o-Xylene	8.05	106	40254	9.062	ppb	87
53) Styrene	8.06	104	64597	8.568	ppb	89
54) Isopropylbenzene	8.40	105	96743	8.596	ppb	92
55) Bromoform	8.22	173	20145	9.825	ppb	99
58) n-Propylbenzene	8.79	91	111825	9.145	ppb	90
59) Bromobenzene	8.68	156	32186	9.097	ppb	# 82
60) 1,3,5-Trimethylbenzene	8.97	105	83853	9.291	ppb	89
61) 1,1,2,2-Tetrachloroethane	8.68	83	29333	9.419	ppb	98
62) 1,2,3-Trichloropropane	8.72	75	21873	9.274	ppb	98
63) 2-Chlorotoluene	8.87	91	66726	9.141	ppb	89
64) 4-Chlorotoluene	8.97	91	79051	9.081	ppb	83
65) tert-Butylbenzene	9.28	119	72380	9.084	ppb	85
66) 1,2,4-Trimethylbenzene	9.32	105	87823	9.343	ppb	92
67) sec-Butylbenzene	9.49	105	98125	9.173	ppb	93
68) p-Isopropyltoluene	9.64	119	89904	9.214	ppb	91
69) 1,3-Dichlorobenzene	9.59	146	57467	9.159	ppb	96
70) 1,4-Dichlorobenzene	9.67	146	58652	9.062	ppb	94
71) 1,2-Dichlorobenzene	10.03	146	55819	9.059	ppb	92
72) 1,2-Dibromo-3-chloropr...	10.80	75	5719	8.858	ppb	# 54
73) 1,2,4-Trichlorobenzene	11.62	180	40756	8.789	ppb	98
74) Hexachlorobutadiene	11.80	225	15245	8.529	ppb	97
75) Naphthalene	11.86	128	100068	8.760	ppb	99
76) 1,2,3-Trichlorobenzene	12.10	180	37255	8.489	ppb	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS4\11-18-22\
 Data File : 111813.D
 Acq On : 18 Nov 2022 7:59 pm
 Operator : lm
 Sample : 211237-01 ms
 Misc : soil
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS4

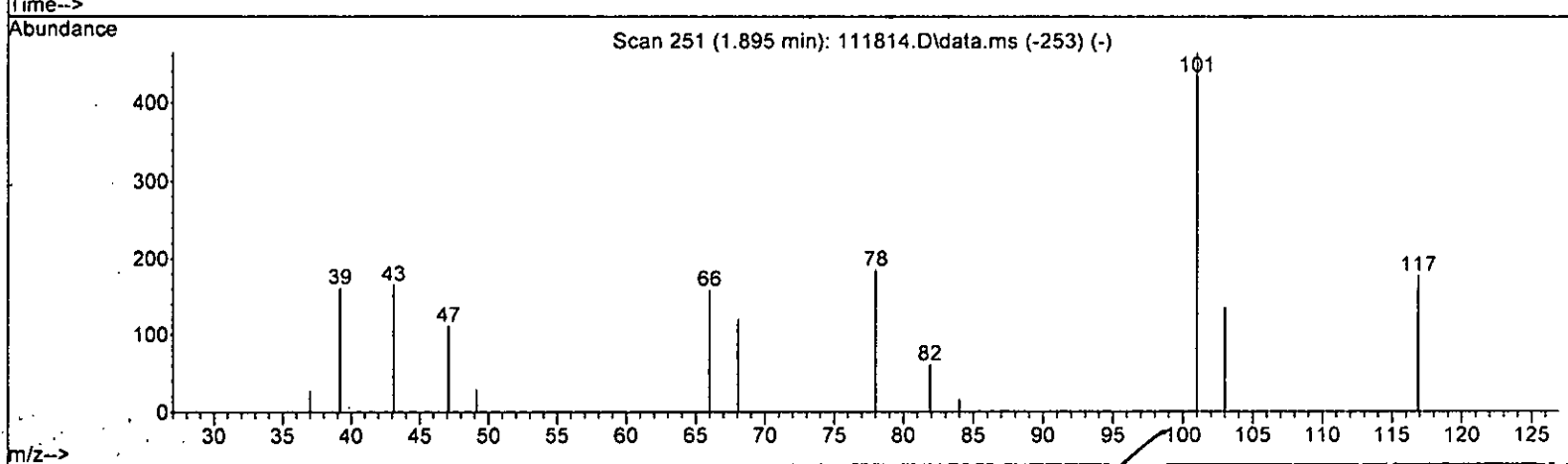
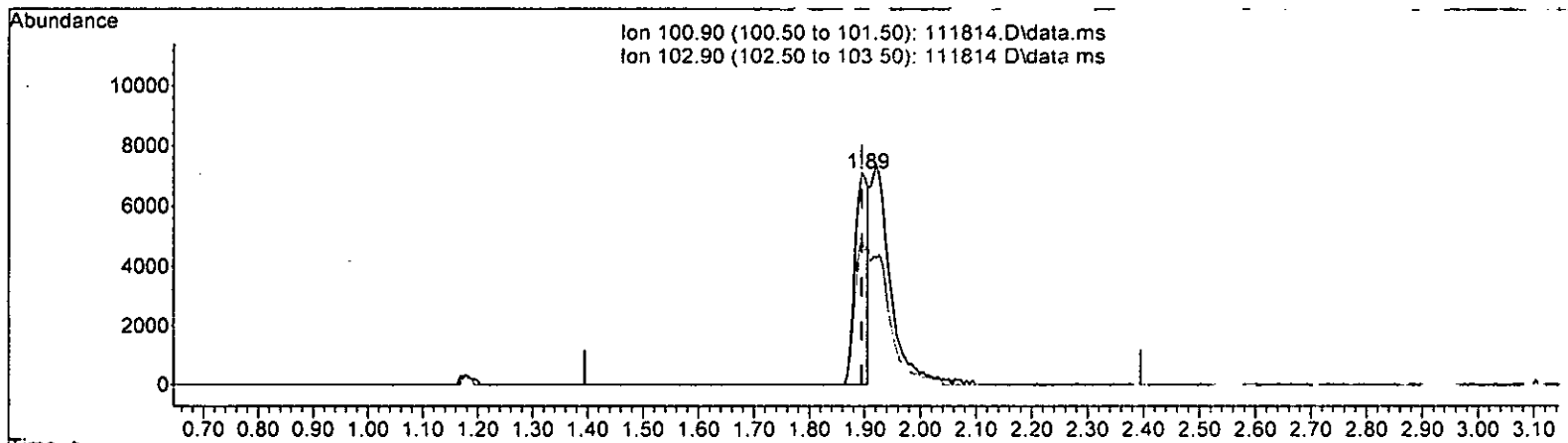
Quant Time: Nov 22 09:07:59 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS4\11-18-22\
 Data File : 111814.D
 Acq On : 18 Nov 2022 8:23 pm
 Operator : lm
 Sample : 211237-01 msd
 Misc : soil
 ALS Vial : 14 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 22 09:08:02 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



TIC: 111814.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.895min (-0.000) 3.411 ppb

response 11369

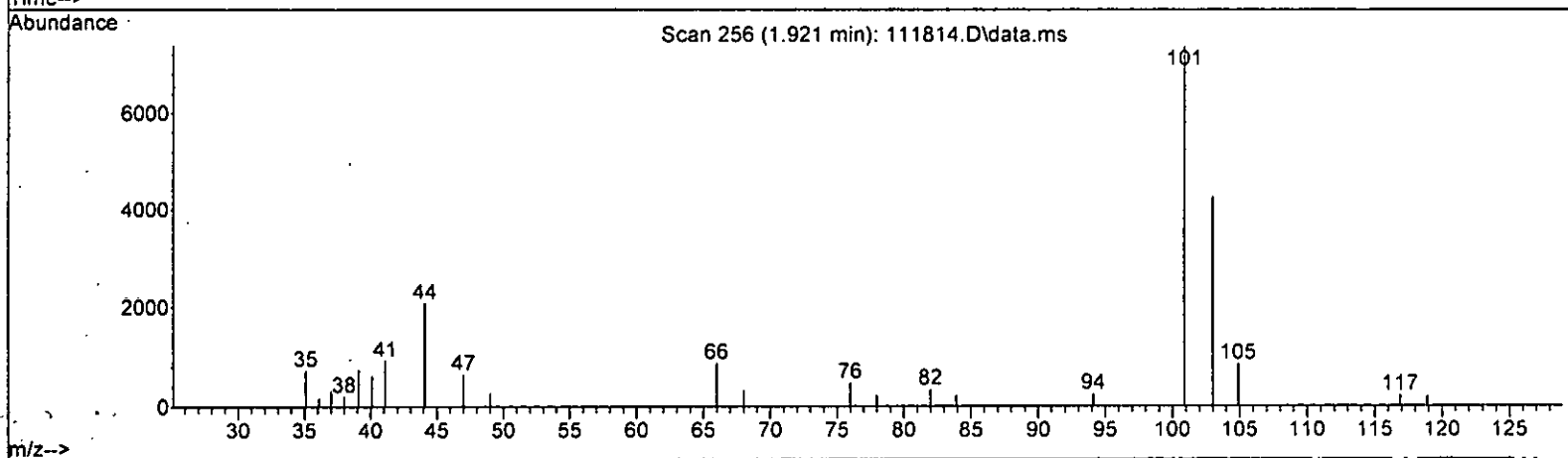
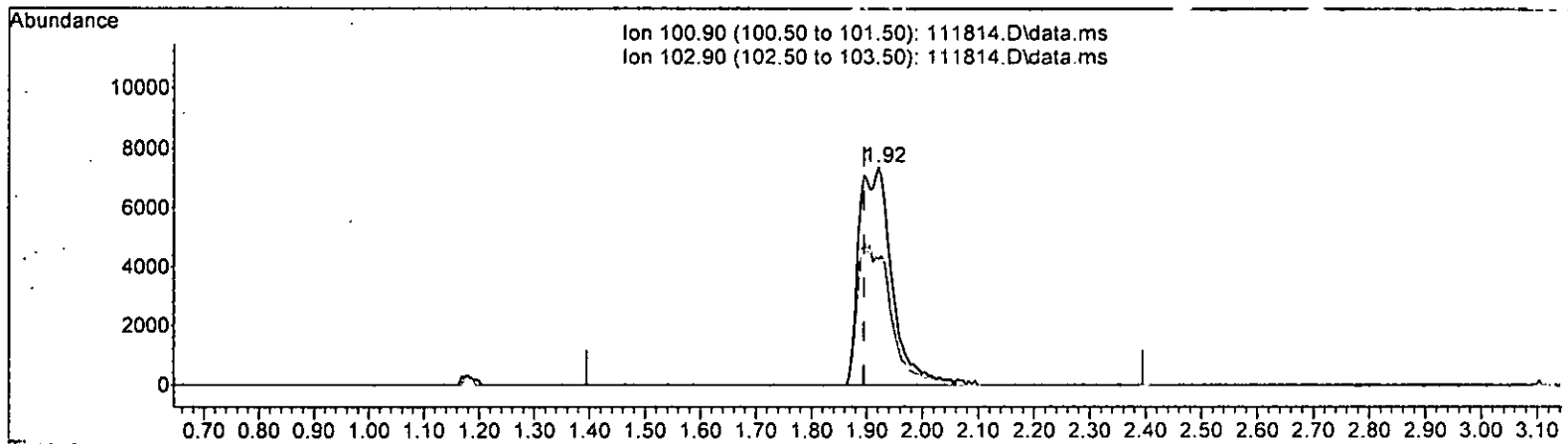
Ion	Exp%	Act%
100.90	100.00	100.00
102.90	61.00	68.87
0.00	0.00	0.00
0.00	0.00	0.00

lm 11.22.22

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS4\11-18-22\
 Data File : 111814.D
 Acq On : 18 Nov 2022 8:23 pm
 Operator : lm
 Sample : 211237-01 msd
 Misc : soil
 ALS Vial : 14 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 22 09:08:02 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



TIC: 111814.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.921min (+ 0.026) 9.048 ppb m

response 30160

Ion	Exp%	Act%
100.90	100.00	100.00
102.90	61.00	57.99
0.00	0.00	0.00
0.00	0.00	0.00

lm 11.22.22

Data Path : Y:\Proc_GCMS4\11-18-22\
 Data File : 111814.D
 Acq On : 18 Nov 2022 8:23 pm
 Operator : lm
 Sample : 211237-01 msd
 Misc : soil
 ALS Vial : 14 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 22 09:08:02 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	4.78	96	59344	10.000	ppb	0.00
39) Chlorobenzene-d5	7.43	117	55800	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.65	152	37323	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.21	113	17339	10.628	ppb	0.00
Spiked Amount	10.000	Range	0 - 1000	Recovery	=	106.30%
30) 1,2-Dichloroethane-d4	4.49	102	3628	9.629	ppb	0.00
Spiked Amount	10.000	Range	90 - 109	Recovery	=	96.30%
35) Toluene-d8	6.14	98	63784	10.729	ppb	0.00
Spiked Amount	10.000	Range	89 - 112	Recovery	=	107.30%
57) 4-Bromofluorobenzene	8.54	95	25719	9.826	ppb	0.00
Spiked Amount	10.000	Range	84 - 115	Recovery	=	98.30%
Target Compounds						
2) Ethanol	1.08	45	232	No Calib	#	
4) Dichlorodifluoromethane	1.18	85	7799	3.208	ppb	98
5) Chloromethane	1.31	50	16117	7.151	ppb	98
6) Vinyl chloride	1.40	62	16174	7.565	ppb	96
7) Bromomethane	1.64	94	14398	14.483	ppb	100
8) Chloroethane	1.71	64	11116	9.914	ppb	93
9) Trichlorofluoromethane	1.92	101	30160m	9.048	ppb	
10) 2-Propanol	2.98	45	2700	No Calib		
11) Acetone	2.38	58	15209	96.043	ppb	91
12) 1,1-Dichloroethene	2.32	96	16837	8.510	ppb	82
13) Hexane	3.21	57	17209	8.321	ppb	98
14) Methylene chloride	2.73	84	23606	11.100	ppb	88
15) t-Butyl alcohol (TBA)	2.87	59	16455	54.119	ppb	95
16) Methyl t-butyl ether (...)	2.98	73	59485	10.318	ppb	96
17) trans-1,2-Dichloroethene	2.97	96	19614	9.366	ppb	84
18) Diisopropyl ether (DIPE)	3.40	45	51961	9.854	ppb	93
19) 1,1-Dichloroethane	3.32	63	31874	10.025	ppb	98
20) Ethyl t-butyl ether (E...)	3.70	87	25564	10.136	ppb	# 82
21) 2,2-Dichloropropane	3.81	77	22946	11.215	ppb	94
22) cis-1,2-Dichloroethene	3.81	96	22680	10.005	ppb	# 80
23) Chloroform	4.08	83	35800	10.391	ppb	99
24) 2-Butanone (MEK)	3.83	43	58463	52.937	ppb	96
25) t-Amyl methyl ether (T...)	4.65	73	57436	10.044	ppb	100
26) 1,2-Dichloroethane (EDC)	4.55	62	27279	10.491	ppb	94
27) 1,1,1-Trichloroethane	4.23	97	31332	9.917	ppb	91
28) 1,1-Dichloropropene	4.37	75	26599	10.002	ppb	91
29) Carbon tetrachloride	4.37	117	28817	10.132	ppb	93
31) Benzene	4.54	78	77831	10.202	ppb	95
32) Trichloroethene	5.09	95	22543	10.187	ppb	# 78
33) 1,2-Dichloropropane	5.27	63	18012	10.672	ppb	99
34) Bromodichloromethane	5.51	83	26125	10.198	ppb	99
36) Dibromomethane	5.37	93	13570	10.600	ppb	# 80

Data Path : Y:\Proc_GCMS4\11-18-22\
 Data File : 111814.D
 Acq On : 18 Nov 2022 8:23 pm
 Operator : lm
 Sample : 211237-01 msd
 Misc : soil
 ALS Vial : 14 Sample Multiplier: 1
 InstName : GCMS4

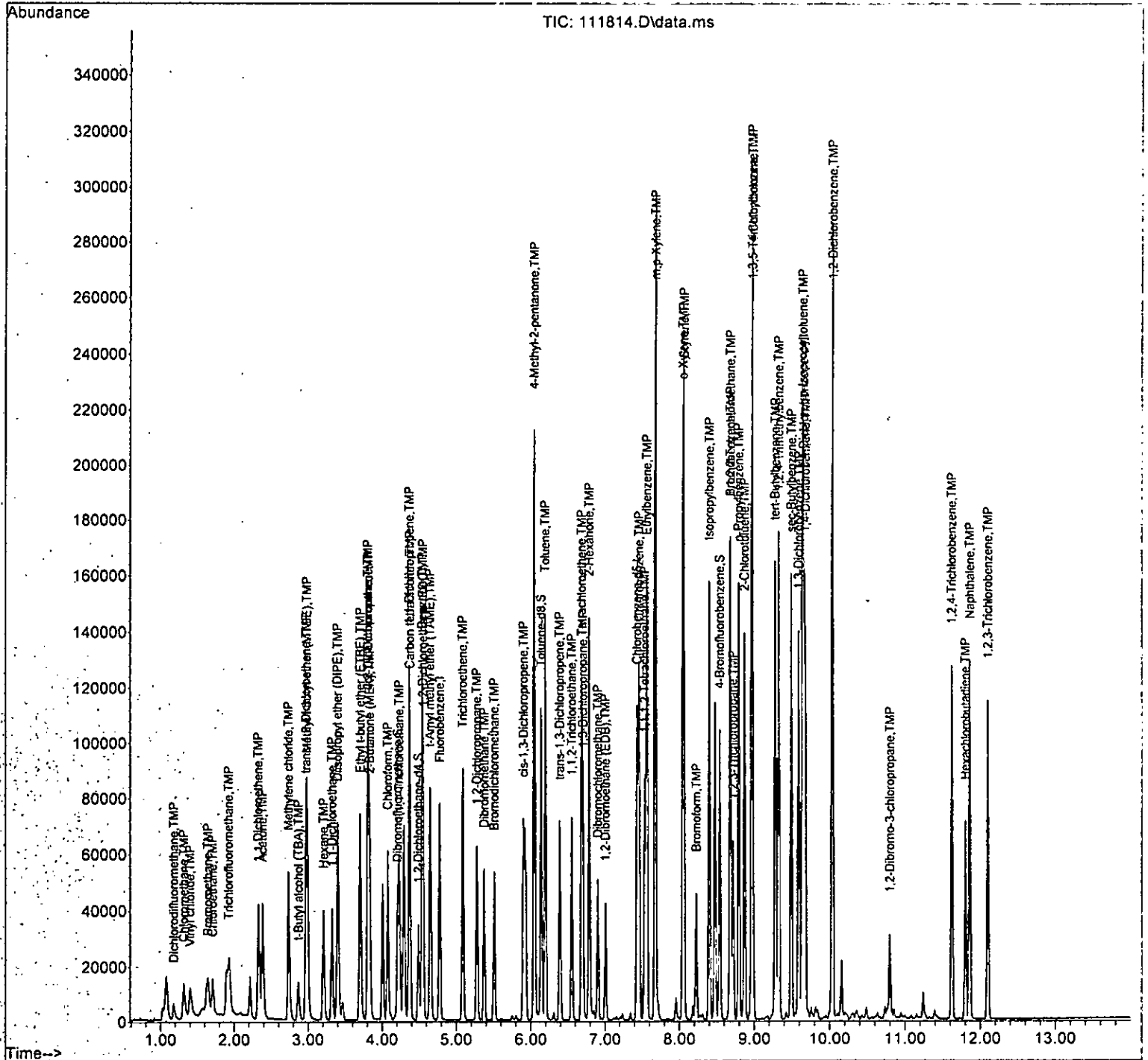
Quant Time: Nov 22 09:08:02 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 Qlast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	6.04	85	23081	50.582	ppb	# 82
38) cis-1,3-Dichloropropene	5.90	75	31046	10.376	ppb	93
40) Toluene	6.19	92	50252	9.306	ppb	100
41) trans-1,3-Dichloropropene	6.39	75	28184	9.136	ppb	98
42) 1,1,2-Trichloroethane	6.55	83	15666	9.579	ppb	93
43) 2-Hexanone	6.79	43	74112	41.450	ppb	97
44) 1,3-Dichloropropane	6.70	76	28765	9.202	ppb	100
45) Tetrachloroethene	6.69	164	23125	9.619	ppb	96
46) Dibromochloromethane	6.90	129	23081	9.809	ppb	97
47) 1,2-Dibromoethane (EDB)	7.00	107	21305	9.588	ppb	94
48) Chlorobenzene	7.46	112	60075	9.378	ppb	89
49) Ethylbenzene	7.56	91	96005	9.324	ppb	93
50) 1,1,1,2-Tetrachloroethane	7.54	131	22213	9.355	ppb	95
51) m,p-Xylene	7.67	106	77908	18.717	ppb	88
52) o-Xylene	8.05	106	39126	9.460	ppb	90
53) Styrene	8.06	104	63270	9.013	ppb	93
54) Isopropylbenzene	8.40	105	94625	9.030	ppb	92
55) Bromoform	8.22	173	19143	10.024	ppb	94
58) n-Propylbenzene	8.79	91	109847	9.298	ppb	93
59) Bromobenzene	8.68	156	31298	9.156	ppb	# 78
60) 1,3,5-Trimethylbenzene	8.97	105	82259	9.434	ppb	89
61) 1,1,2,2-Tetrachloroethane	8.68	83	27574	9.165	ppb	97
62) 1,2,3-Trichloropropane	8.72	75	21300	9.348	ppb	98
63) 2-Chlorotoluene	8.87	91	66079	9.370	ppb	88
64) 4-Chlorotoluene	8.97	91	77093	9.167	ppb	83
65) tert-Butylbenzene	9.27	119	72306	9.394	ppb	86
66) 1,2,4-Trimethylbenzene	9.32	105	84907	9.350	ppb	89
67) sec-Butylbenzene	9.49	105	97104	9.396	ppb	94
68) p-Isopropyltoluene	9.64	119	87917	9.327	ppb	91
69) 1,3-Dichlorobenzene	9.59	146	57771	9.531	ppb	95
70) 1,4-Dichlorobenzene	9.67	146	57448	9.187	ppb	97
71) 1,2-Dichlorobenzene	10.03	146	56168	9.436	ppb	90
72) 1,2-Dibromo-3-chloropr...	10.80	75	5551	8.900	ppb	# 62
73) 1,2,4-Trichlorobenzene	11.62	180	39764	8.876	ppb	98
74) Hexachlorobutadiene	11.80	225	15533	8.995	ppb	95
75) Naphthalene	11.86	128	98024	8.882	ppb	99
76) 1,2,3-Trichlorobenzene	12.10	180	36915	8.706	ppb	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS4\11-18-22\
 Data File : 111814.D
 Acq On : 18 Nov 2022 8:23 pm
 Operator : lm
 Sample : 211237-01 msd
 Misc : soil
 ALS Vial : 14 Sample Multiplier: 1
 InstName : GCMS4

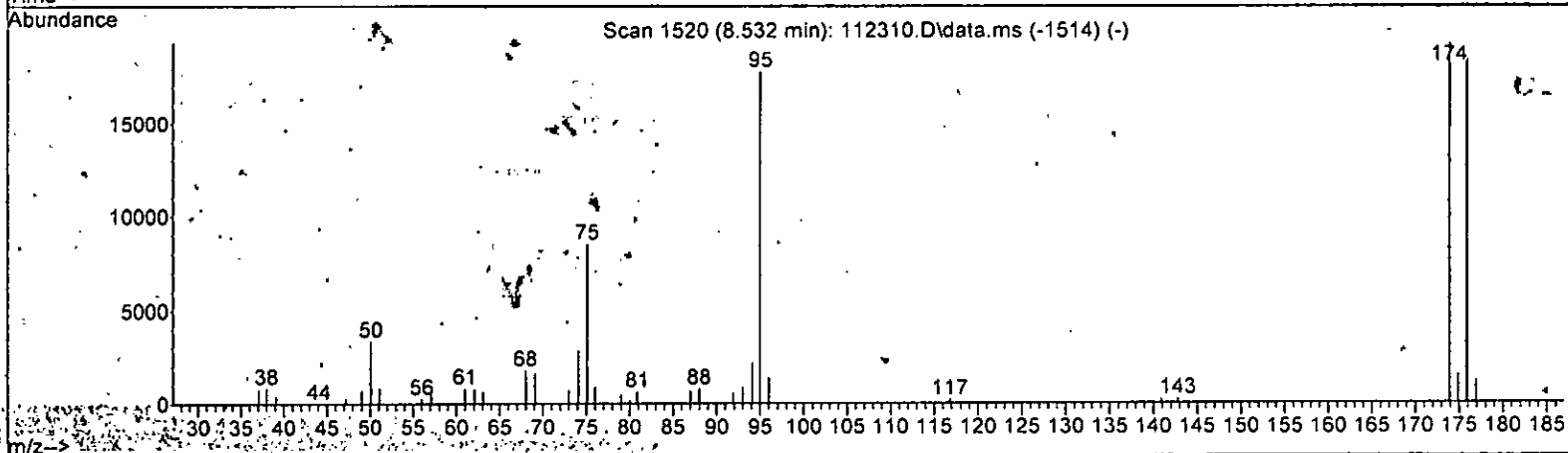
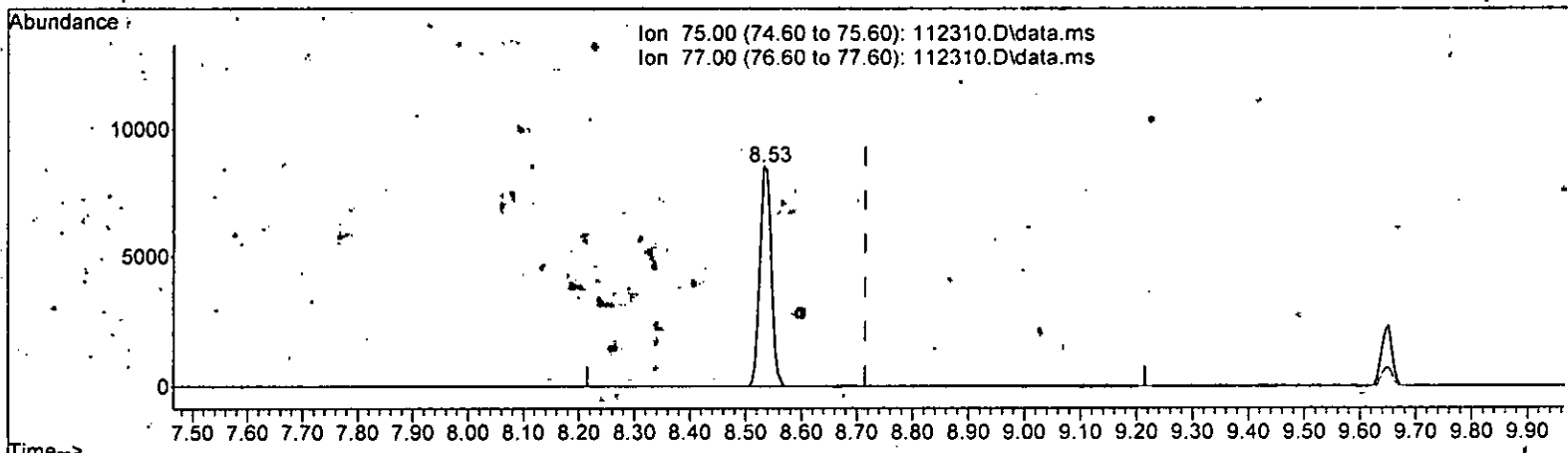
Quant Time: Nov 22 09:08:02 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS4\11-23-22\
 Data File : 112310.D
 Acq On : 23 Nov 2022 6:01 pm
 Operator : lm
 Sample : 211237-01
 Misc : soil
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 28 13:18:32 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth: 8260VM1.M



TIC: 112310.D\data.ms

(62) - 1,2,3-Trichloropropane (TMP)

8.532min (-0.183) 5.033 ppb

response 11897

Ion	Exp%	Act%
75.00	100.00	100.00
77.00	32.90	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS4\11-23-22\
 Data File : 112310.D
 Acq On : 23 Nov 2022 6:01 pm
 Operator : lm
 Sample : 211237-01
 Misc : soil
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 28 13:18:32 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

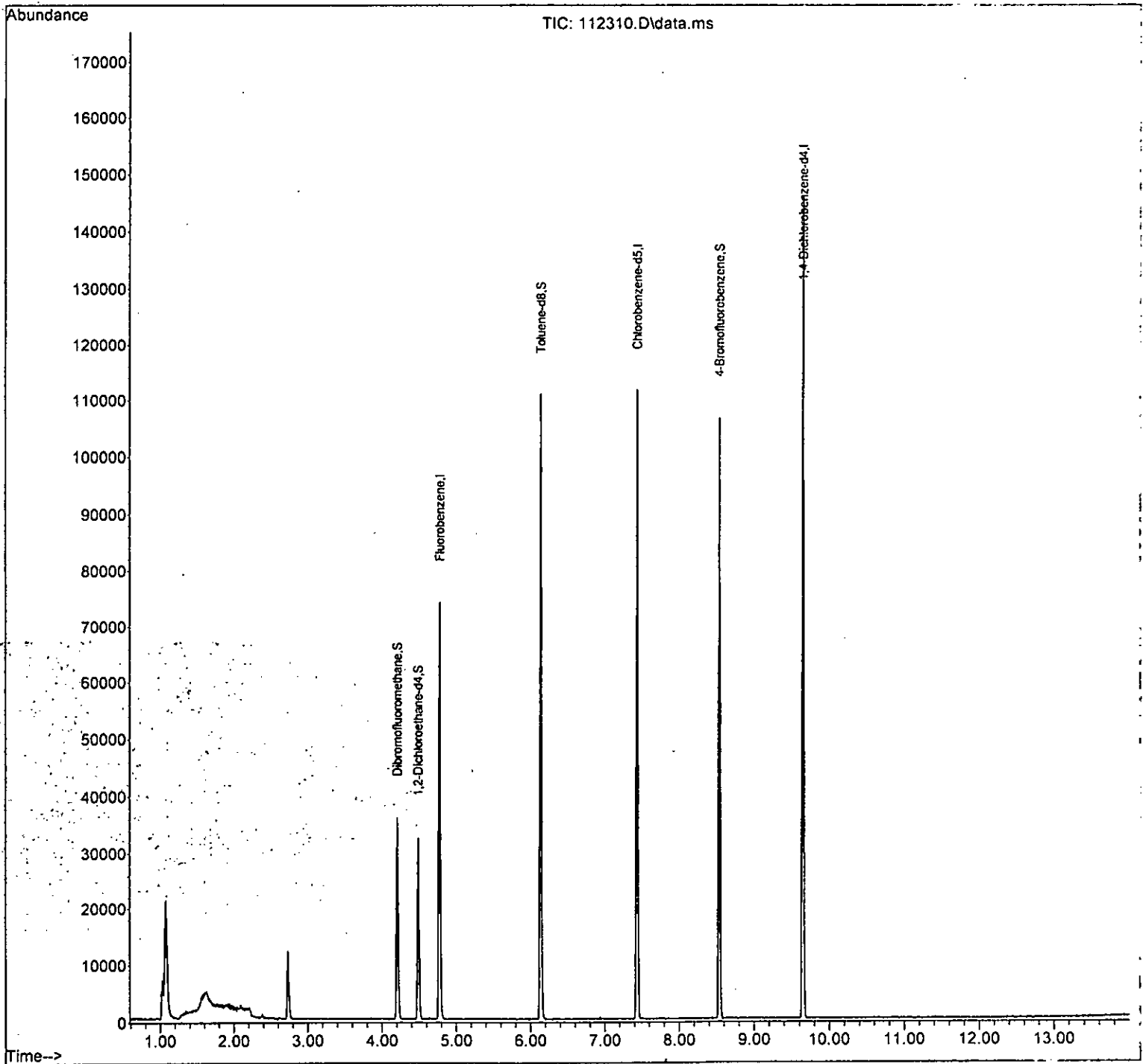
Internal Standards						
1) Fluorobenzene	4.78	96	56597	10.000	ppb	0.00
39) Chlorobenzene-d5	7.43	117	56382	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.65	152	38721	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.21	113	16436	10.564	ppb	0.00
Spiked Amount	10.000	Range	0 - 1000	Recovery	=	105.60%
30) 1,2-Dichloroethane-d4	4.49	102	3474	9.667	ppb	0.00
Spiked Amount	10.000	Range	90 - 109	Recovery	=	96.70%
35) Toluene-d8	6.14	98	62374	11.001	ppb	0.00
Spiked Amount	10.000	Range	89 - 112	Recovery	=	110.00%
57) 4-Bromofluorobenzene	8.54	95	26131	9.623	ppb	0.00
Spiked Amount	10.000	Range	84 - 115	Recovery	=	96.20%

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS4\11-23-22\
Data File : 112310.D
Acq On : 23 Nov 2022 6:01 pm
Operator : lm
Sample : 211237-01
Misc : soil
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS4

Quant Time: Nov 28 13:18:32 2022
Quant Method : Y:\Methods\Inst4\VB110822ms4.M
Quant Title : 8260 Purge & Trap Volatiles
QLast Update : Tue Nov 08 16:47:05 2022
Response via : Initial Calibration
DataAcq Meth:8260VM1.M



Data Path : Y:\Proc_GCMS4\11-23-22\
 Data File : 112310.D
 Acq On : 23 Nov 2022 6:01 pm
 Operator : lm
 Sample : 211237-01
 Misc : soil
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 28 13:18:32 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.78	96	56597	10.000	ppb	0.00
39) Chlorobenzene-d5	7.43	117	56382	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.65	152	38721	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.21	113	16436	10.564	ppb	0.00
Spiked Amount	10.000	Range	0 - 1000	Recovery	=	105.60%
30) 1,2-Dichloroethane-d4	4.49	102	3474	9.667	ppb	0.00
Spiked Amount	10.000	Range	90 - 109	Recovery	=	96.70%
35) Toluene-d8	6.14	98	62374	11.001	ppb	0.00
Spiked Amount	10.000	Range	89 - 112	Recovery	=	110.00%
57) 4-Bromofluorobenzene	8.54	95	26131	9.623	ppb	0.00
Spiked Amount	10.000	Range	84 - 115	Recovery	=	96.20%
Target Compounds						
2) Ethanol	1.06	45	200	No Calib	#	
4) Dichlorodifluoromethane	0.00		0	N.D.		
5) Chloromethane	0.00		0	N.D.		
6) Vinyl chloride	0.00		0	N.D.		
7) Bromomethane	1.63	94	198	N.D.		
8) Chloroethane	0.00		0	N.D.		
9) Trichlorofluoromethane	0.00		0	N.D.		
10) 2-Propanol	0.00		0	N.D.		
11) Acetone	0.00		0	N.D.		
12) 1,1-Dichloroethene	0.00		0	N.D.		
13) Hexane	0.00		0	N.D.		
14) Methylene chloride	2.73	84	4827	N.D.		
15) t-Butyl alcohol (TBA)	0.00		0	N.D.		
16) Methyl t-butyl ether (MTBE)	0.00		0	N.D.		
17) trans-1,2-Dichloroethene	0.00		0	N.D.		
18) Diisopropyl ether (DIPE)	0.00		0	N.D.		
19) 1,1-Dichloroethane	0.00		0	N.D.		
20) Ethyl t-butyl ether (ETBE)	0.00		0	N.D.		
21) 2,2-Dichloropropane	0.00		0	N.D.		
22) cis-1,2-Dichloroethene	0.00		0	N.D.		
23) Chloroform	0.00		0	N.D.		
24) 2-Butanone (MEK)	0.00		0	N.D.		
25) t-Amyl methyl ether (TAME)	0.00		0	N.D.		
26) 1,2-Dichloroethane (EDC)	0.00		0	N.D.		
27) 1,1,1-Trichloroethane	0.00		0	N.D.		
28) 1,1-Dichloropropene	0.00		0	N.D.		
29) Carbon tetrachloride	0.00		0	N.D.		
31) Benzene	0.00		0	N.D.		
32) Trichloroethene	0.00		0	N.D.		
33) 1,2-Dichloropropane	0.00		0	N.D.		
34) Bromodichloromethane	0.00		0	N.D.		
36) Dibromomethane	0.00		0	N.D.		

Data Path : Y:\Proc_GCMS4\11-23-22\
 Data File : 112310.D
 Acq On : 23 Nov 2022 6:01 pm
 Operator : lm
 Sample : 211237-01
 Misc : soil
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 28 13:18:32 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

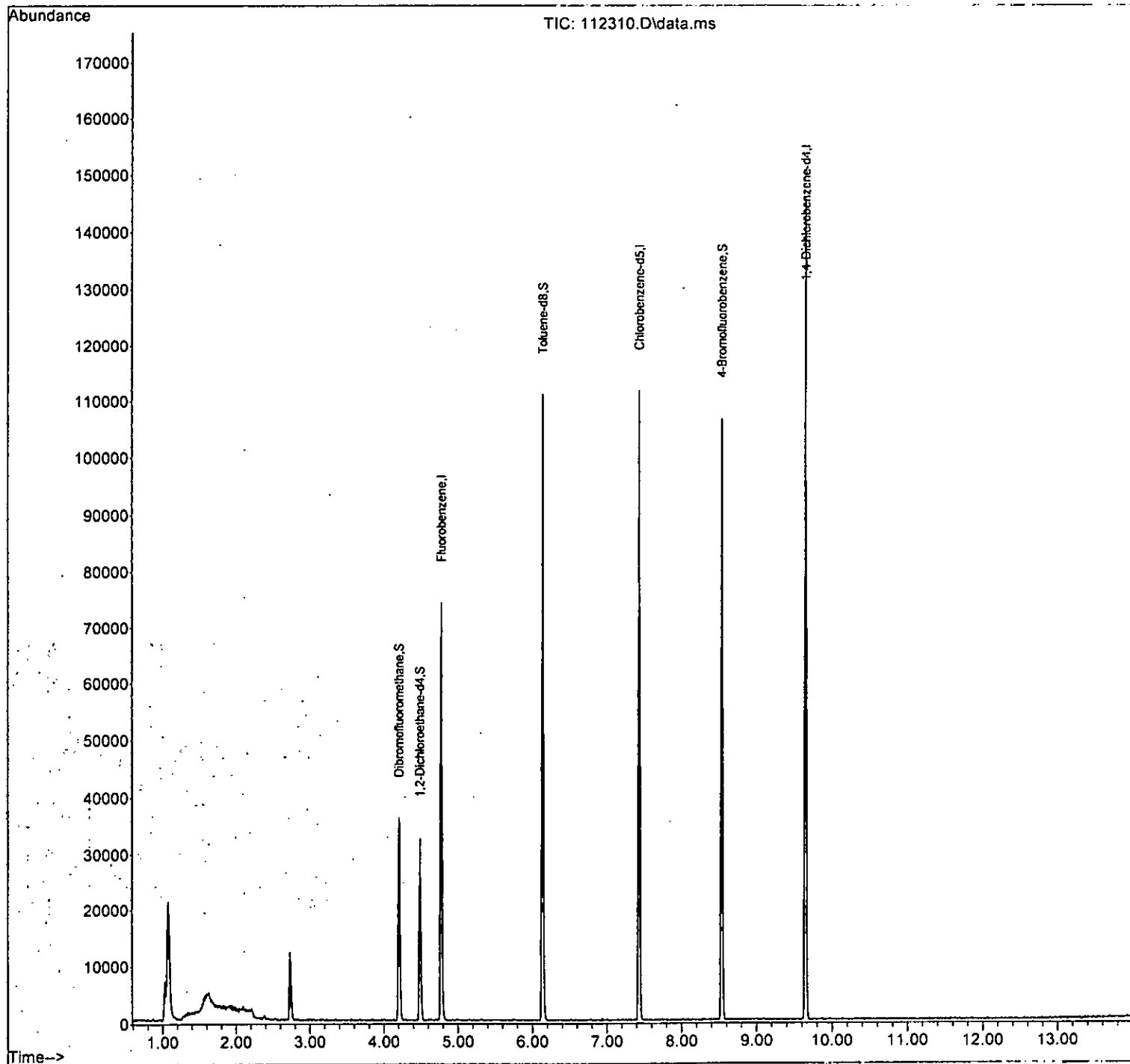
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.00		0		N.D.	
38) cis-1,3-Dichloropropene	0.00		0		N.D.	
40) Toluene	0.00		0		N.D.	
41) trans-1,3-Dichloropropene	0.00		0		N.D.	
42) 1,1,2-Trichloroethane	0.00		0		N.D.	
43) 2-Hexanone	0.00		0		N.D.	
44) 1,3-Dichloropropane	0.00		0		N.D.	
45) Tetrachloroethene	0.00		0		N.D.	
46) Dibromochloromethane	0.00		0		N.D.	
47) 1,2-Dibromoethane (EDB)	0.00		0		N.D.	
48) Chlorobenzene	0.00		0		N.D.	
49) Ethylbenzene	0.00		0		N.D.	
50) 1,1,1,2-Tetrachloroethane	0.00		0		N.D.	
51) m,p-Xylene	0.00		0		N.D.	
52) o-Xylene	0.00		0		N.D.	
53) Styrene	0.00		0		N.D.	
54) Isopropylbenzene	0.00		0		N.D.	
55) Bromoform	0.00		0		N.D.	
58) n-Propylbenzene	0.00		0		N.D.	
59) Bromobenzene	0.00		0		N.D.	
60) 1,3,5-Trimethylbenzene	0.00		0		N.D.	
61) 1,1,2,2-Tetrachloroethane	0.00		0		N.D.	
62) 1,2,3-Trichloropropane	0.00		0		N.D.	d
63) 2-Chlorotoluene	0.00		0		N.D.	
64) 4-Chlorotoluene	0.00		0		N.D.	
65) tert-Butylbenzene	0.00		0		N.D.	
66) 1,2,4-Trimethylbenzene	0.00		0		N.D.	
67) sec-Butylbenzene	0.00		0		N.D.	
68) p-Isopropyltoluene	0.00		0		N.D.	
69) 1,3-Dichlorobenzene	0.00		0		N.D.	
70) 1,4-Dichlorobenzene	0.00		0		N.D.	
71) 1,2-Dichlorobenzene	0.00		0		N.D.	
72) 1,2-Dibromo-3-chloropr	0.00		0		N.D.	
73) 1,2,4-Trichlorobenzene	0.00		0		N.D.	
74) Hexachlorobutadiene	0.00		0		N.D.	
75) Naphthalene	0.00		0		N.D.	
76) 1,2,3-Trichlorobenzene	0.00		0		N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS4\11-23-22\
Data File : 112310.D
Acq On : 23 Nov 2022 6:01 pm
Operator : lm
Sample : 211237-01
Misc : soil
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS4

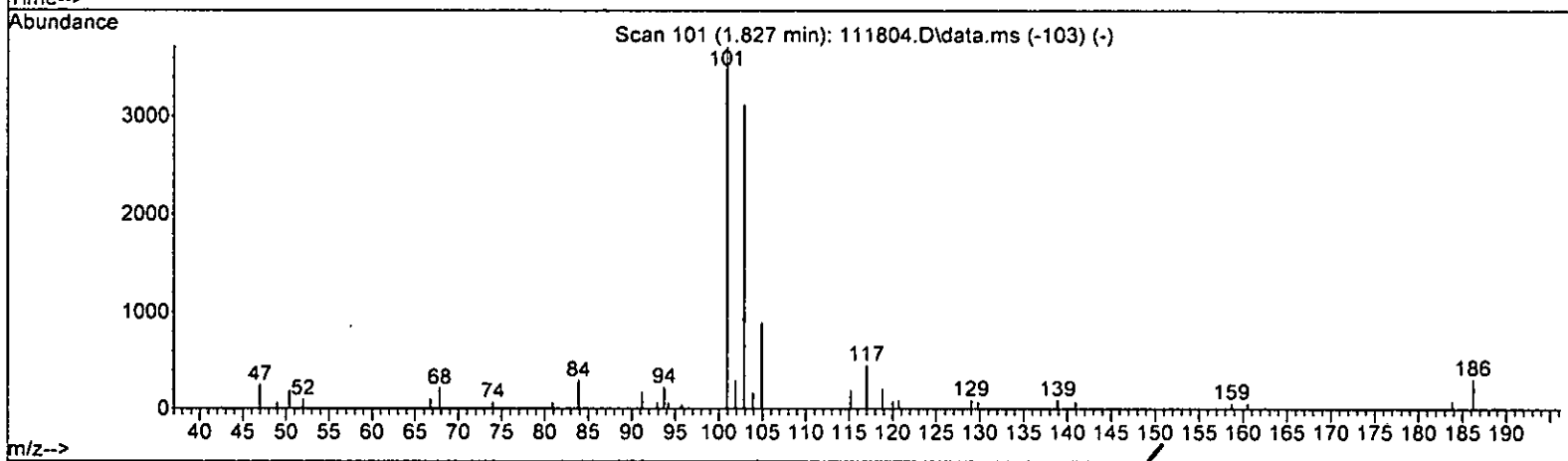
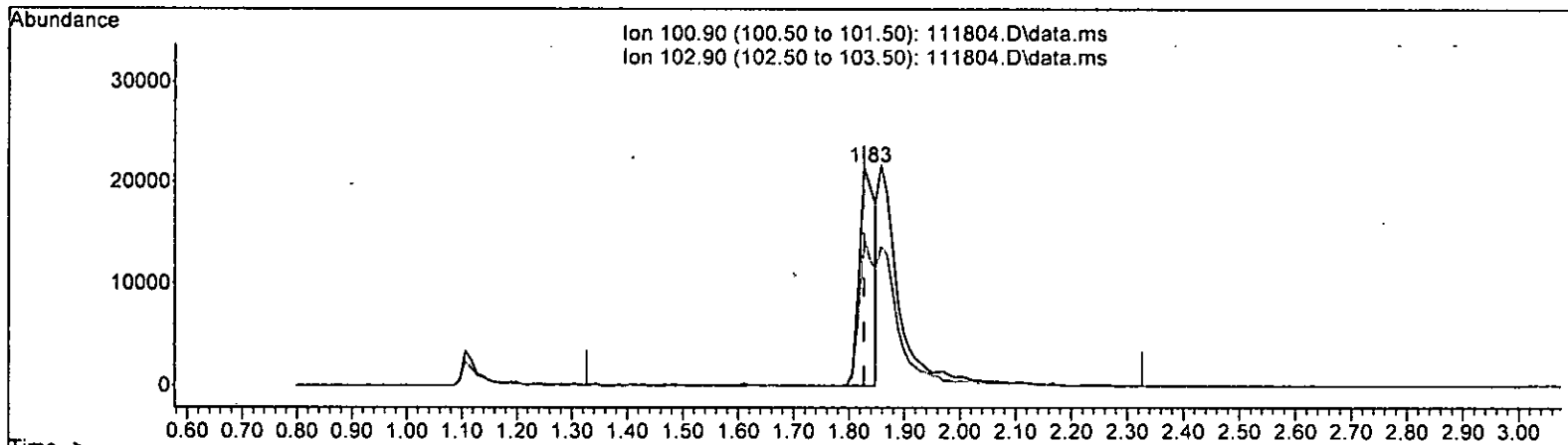
Quant Time: Nov 28 13:18:32 2022
Quant Method : Y:\Methods\Inst4\VB110822ms4.M
Quant Title : 8260 Purge & Trap Volatiles
QLast Update : Tue Nov 08 16:47:05 2022
Response via : Initial Calibration
DataAcq Meth:8260VM1.M



Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111804.D
 Acq On : 18 Nov 2022 06:37 am
 Operator : LM
 Sample : 02-2769 lcs
 Misc : water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:49:28 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



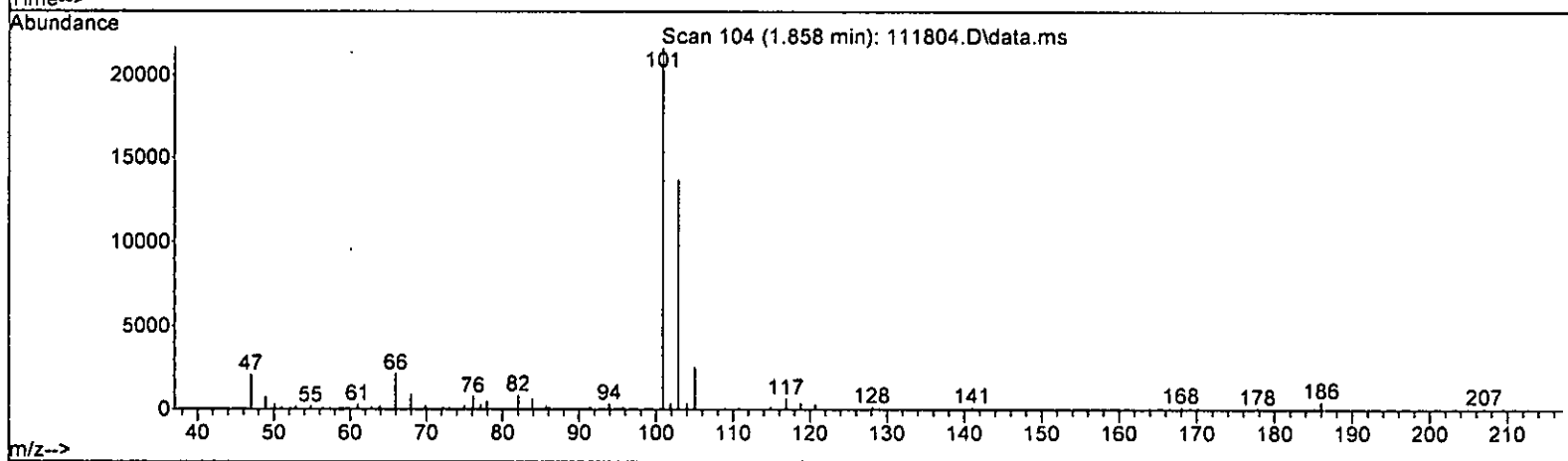
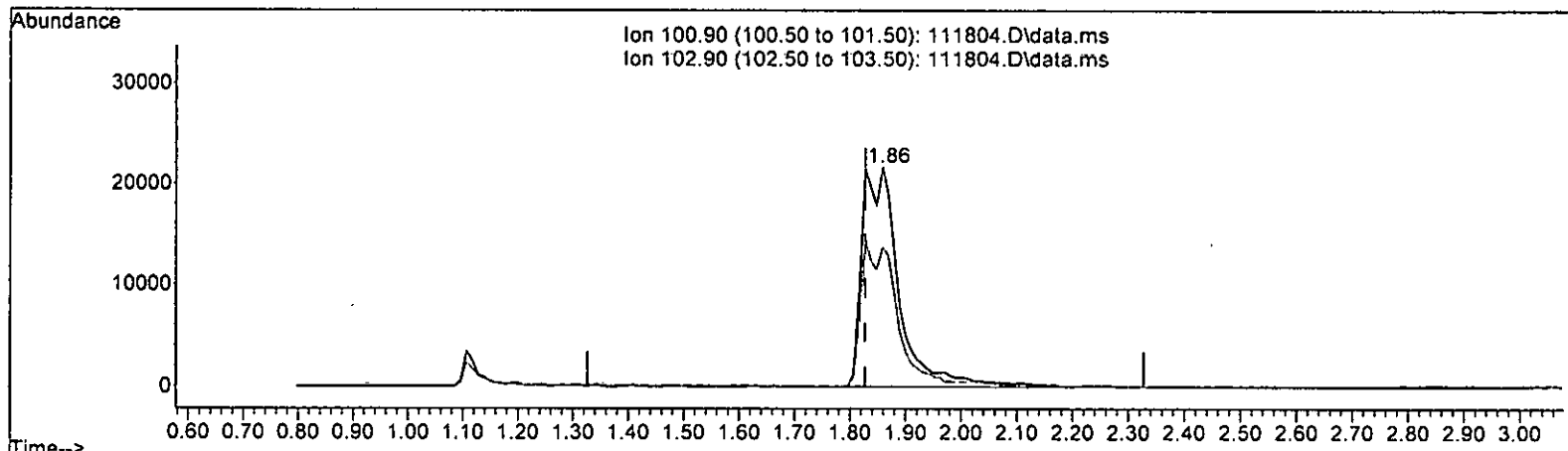
TIC: 111804.D\data.ms *m 11.21.22*

(9) Trichlorofluoromethane (TMP)			
1.827min (+ 0.000) 3.635 ppb			
response	43047		
Ion	Exp%	Act%	
100.90	100.00	100.00	
102.90	65.30	67.66	
0.00	0.00	0.00	
0.00	0.00	0.00	

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111804.D
 Acq On : 18 Nov 2022 06:37 am
 Operator : LM
 Sample : 02-2769 lcs
 Misc : water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:49:28 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 111804.D\data.ms

(9) Trichlorofluoromethane (TMP) *M 11.21.22*

1.858min (+ 0.031) 9.173 ppb m

response 108634

Ion	Exp%	Act%
100.90	100.00	100.00
102.90	65.30	63.09
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111804.D
 Acq On : 18 Nov 2022 06:37 am
 Operator : LM
 Sample : 02-2769 lcs
 Misc : water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:49:28 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) Fluorobenzene	4.73	96	105447	10.000	ppb	-0.01	
39) Chlorobenzene-d5	7.40	117	89670	10.000	ppb	0.00	
56) 1,4-Dichlorobenzene-d4	9.62	152	53179	10.000	ppb	0.00	
System Monitoring Compounds							
3) Dibromofluoromethane	4.18	113	32059	9.481	ppb	0.00	
Spiked Amount	10.000	Range 50 - 150	Recovery	=	94.80%		
30) 1,2-Dichloroethane-d4	4.45	102	5997	9.151	ppb	0.00	
Spiked Amount	10.000	Range 71 - 132	Recovery	=	91.50%		
35) Toluene-d8	6.11	98	94094	9.356	ppb	0.00	
Spiked Amount	10.000	Range 68 - 139	Recovery	=	93.60%		
57) 4-Bromofluorobenzene	8.51	95	34764	9.487	ppb	0.00	
Spiked Amount	10.000	Range 62 - 136	Recovery	=	94.90%		
Target Compounds							
2) Ethanol	2.33	45	326	No Calib			Qvalue
4) Dichlorodifluoromethane	1.11	85	63109	7.481	ppb	100	
5) Chloromethane	1.25	50	38331	7.446	ppb	98	
6] Vinyl chloride	1.33	62	40655	7.564	ppb	91	
7) Bromomethane	1.59	94	42996	9.438	ppb	100	
8] Chloroethane	1.65	64	21701	9.000	ppb	95	
9) Trichlorofluoromethane	1.86	101	108634m	9.173	ppb		
10) 2-Propanol	2.33	45	326	No Calib	#		
11) Acetone	2.32	58	8339	29.670	ppb	99	
12] 1,1-Dichloroethene	2.27	96	26071	8.678	ppb	99	
13) Hexane	3.16	57	26788	7.858	ppb	97	
14) Methylene chloride	2.68	84	27103	8.403	ppb	96	
15) t-Butyl alcohol (TBA)	2.81	59	13175	52.057	ppb	92	
16] Methyl t-butyl ether (...)	2.93	73	67939	9.677	ppb	96	
17] trans-1,2-Dichloroethene	2.92	96	27931	8.317	ppb	94	
18) Diisopropyl ether (DIPE)	3.35	45	56875	7.730	ppb	95	
19] 1,1-Dichloroethane	3.27	63	38889	7.959	ppb	98	
20) Ethyl t-butyl ether (E...)	3.65	87	28752	10.584	ppb	97	
21) 2,2-Dichloropropane	3.76	77	34710	13.619	ppb	98	
22] cis-1,2-Dichloroethene	3.77	96	31143	8.866	ppb	93	
23) Chloroform	4.04	83	45464	8.005	ppb	98	
24) 2-Butanone (MEK)	3.79	43	49375	37.272	ppb	99	
25) t-Amyl methyl ether (T...)	4.61	73	61006	10.705	ppb	90	
26] 1,2-Dichloroethane (EDC)	4.52	62	36813	8.583	ppb	93	
27] 1,1,1-Trichloroethane	4.19	97	50310	9.902	ppb	96	
28) 1,1-Dichloropropene	4.33	75	34115	8.952	ppb	90	
29) Carbon tetrachloride	4.33	117	53135	10.387	ppb	97	
31] Benzene	4.50	78	90258	7.654	ppb	100	
32] Trichloroethene	5.05	95	31497	8.150	ppb	# 64	
33) 1,2-Dichloropropane	5.24	63	19844	7.810	ppb	93	
34) Bromodichloromethane	5.48	83	35441	8.694	ppb	94	
36) Dibromomethane	5.34	93	19218	8.305	ppb	84	

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111804.D
 Acq On : 18 Nov 2022 06:37 am
 Operator : LM
 Sample : 02-2769 lcs
 Misc : water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS13

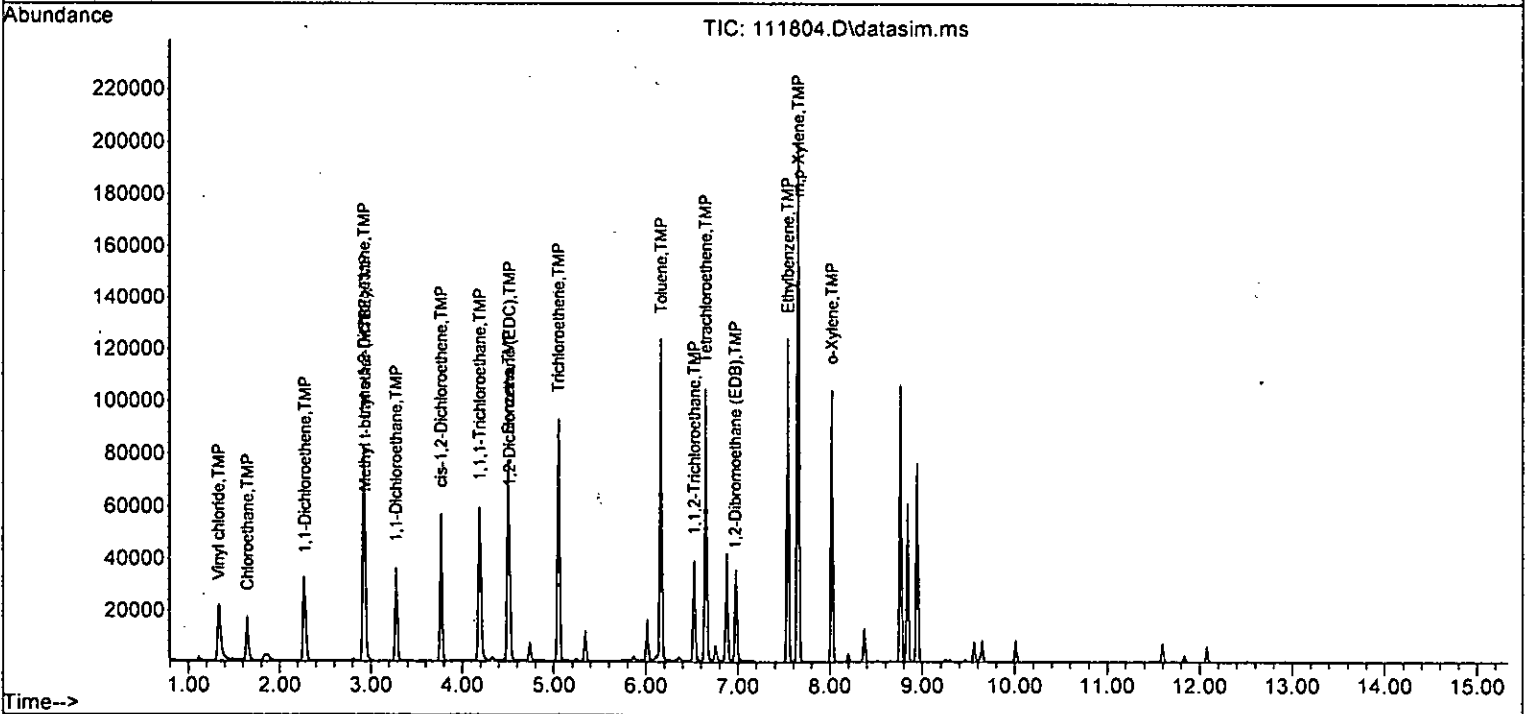
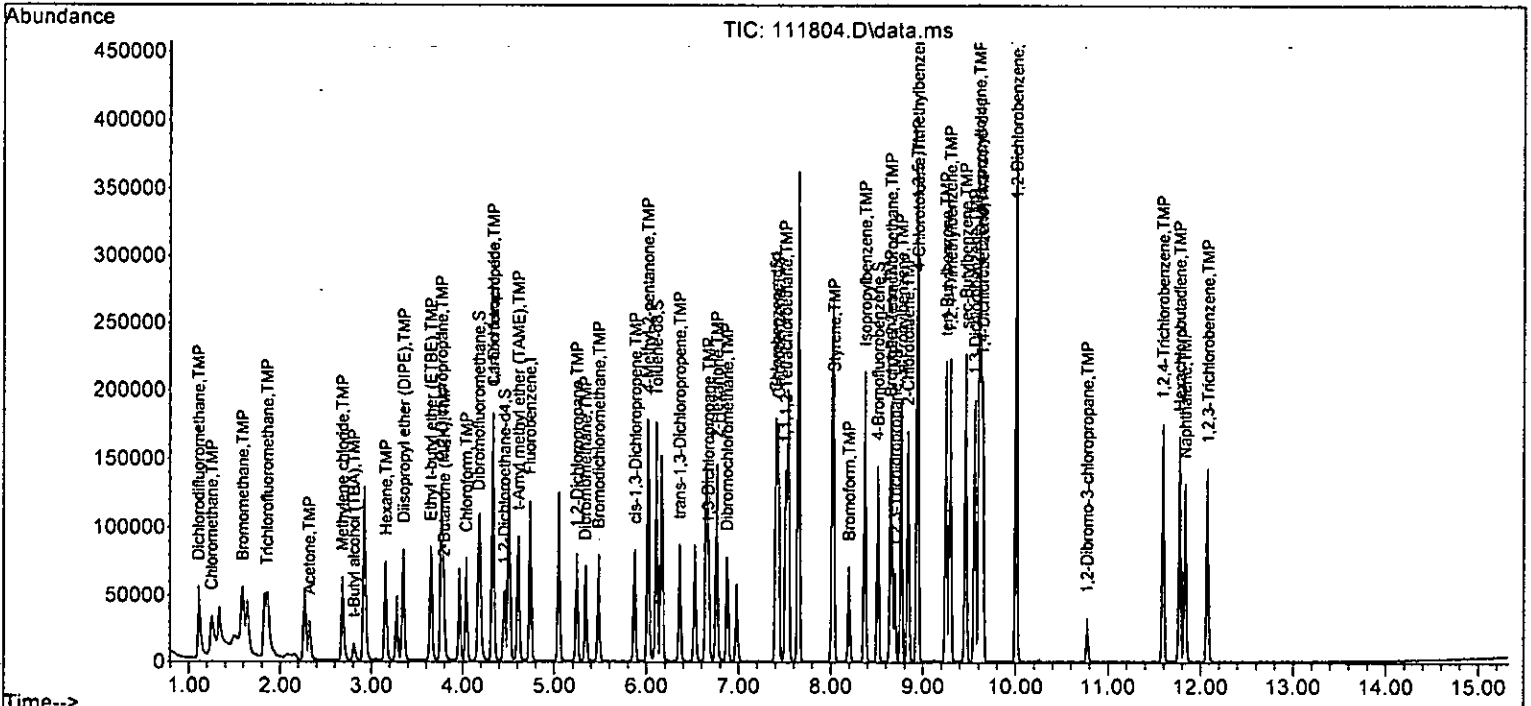
Quant Time: Nov 21 09:49:28 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	6.01	85	23027	51.474	ppb	94
38) cis-1,3-Dichloropropene	5.88	75	37031	9.753	ppb	92
40] Toluene	6.16	92	64127	8.920	ppb	94
41) trans-1,3-Dichloropropene	6.36	75	34468	10.900	ppb	93
42] 1,1,2-Trichloroethane	6.53	83	19435	8.372	ppb	81
43) 2-Hexanone	6.76	43	78509	46.189	ppb	96
44) 1,3-Dichloropropane	6.67	76	33180	8.093	ppb	98
45] Tetrachloroethene	6.65	164	36916	10.423	ppb	94
46) Dibromochloromethane	6.87	129	41981	10.879	ppb	93
47] 1,2-Dibromoethane (EDB)	6.97	107	30517	9.466	ppb	92
48) Chlorobenzene	7.43	112	83937	9.427	ppb	92
49] Ethylbenzene	7.54	91	121807	8.725	ppb	88
50) 1,1,1,2-Tetrachloroethane	7.51	131	37092	10.701	ppb	96
51] m,p-Xylene	7.65	106	103298	18.829	ppb #	79
52] o-Xylene	8.02	106	51013	9.630	ppb #	78
53) Styrene	8.03	104	76896	9.665	ppb	95
54) Isopropylbenzene	8.37	105	123051	9.560	ppb	93
55) Bromoform	8.20	173	28825	10.751	ppb	97
58) n-Propylbenzene	8.77	91	131113	9.133	ppb	82
59) Bromobenzene	8.65	156	44236	9.933	ppb #	82
60) 1,3,5-Trimethylbenzene	8.94	105	104362	9.974	ppb	89
61) 1,1,2,2-Tetrachloroethane	8.65	83	29245	9.413	ppb	95
62) 1,2,3-Trichloropropane	8.70	75	21057	8.144	ppb	88
63) 2-Chlorotoluene	8.84	91	78738	9.158	ppb	86
64) 4-Chlorotoluene	8.95	91	91769	9.026	ppb	80
65) tert-Butylbenzene	9.25	119	104237	10.042	ppb	88
66) 1,2,4-Trimethylbenzene	9.30	105	107534	10.129	ppb	87
67) sec-Butylbenzene	9.46	105	136649	9.793	ppb	93
68) p-Isopropyltoluene	9.61	119	133657	10.530	ppb	94
69) 1,3-Dichlorobenzene	9.56	146	81055	9.965	ppb	95
70) 1,4-Dichlorobenzene	9.64	146	80147	9.636	ppb	94
71) 1,2-Dichlorobenzene	10.01	146	76247	9.857	ppb	95
72) 1,2-Dibromo-3-chloropr...	10.77	75	5699	9.931	ppb #	74
73) 1,2,4-Trichlorobenzene	11.59	180	54021	10.467	ppb	99
74) Hexachlorobutadiene	11.77	225	32576	10.214	ppb	97
75) Naphthalene	11.83	128	102081	10.322	ppb	100
76) 1,2,3-Trichlorobenzene	12.08	180	44989	10.001	ppb	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111804.D
 Acq On : 18 Nov 2022 06:37 am
 Operator : LM
 Sample : 02-2769 lcs
 Misc : water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:49:28 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111805.D
 Acq On : 18 Nov 2022 07:00 am
 Operator : LM
 Sample : 02-2769 lcsd
 Misc : water
 ALS Vial : 3 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:49:32 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 Qlast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	4.73	96	94745	10.000	ppb	-0.01	
39) Chlorobenzene-d5	7.40	117	86932	10.000	ppb	0.00	
56) 1,4-Dichlorobenzene-d4	9.62	152	52583	10.000	ppb	0.00	
System Monitoring Compounds							
3) Dibromofluoromethane	4.17	113	31663	10.421	ppb	0.00	
Spiked Amount	10.000		Range 50 - 150	Recovery	=	104.20%	
30) 1,2-Dichloroethane-d4	4.45	102	5646	9.589	ppb	0.00	
Spiked Amount	10.000		Range 71 - 132	Recovery	=	95.90%	
35) Toluene-d8	6.11	98	91304	10.104	ppb	0.00	
Spiked Amount	10.000		Range 68 - 139	Recovery	=	101.00%	
57) 4-Bromofluorobenzene	8.51	95	33978	9.378	ppb	0.00	
Spiked Amount	10.000		Range 62 - 136	Recovery	=	93.80%	
Target Compounds							
2) Ethanol	2.33	45	331	No Calib			Qvalue
4) Dichlorodifluoromethane	1.11	85	63596	8.390	ppb		94
5) Chloromethane	1.25	50	36176	7.822	ppb		89
6] Vinyl chloride	1.33	62	40605	8.408	ppb		96
7) Bromomethane	1.58	94	45671	11.158	ppb		99
8] Chloroethane	1.64	64	21735	10.032	ppb		100
9) Trichlorofluoromethane	1.86	101	94619	8.892	ppb		97
10) 2-Propanol	2.33	45	331	No Calib			#
11) Acetone	2.32	58	8653	34.397	ppb		96
12] 1,1-Dichloroethene	2.26	96	24986	9.256	ppb		87
13) Hexane	3.16	57	26492	8.649	ppb		96
14) Methylene chloride	2.68	84	27104	9.488	ppb		97
15) t-Butyl alcohol (TBA)	2.81	59	13635	59.960	ppb		98
16] Methyl t-butyl ether (...)	2.92	73	68029	10.784	ppb		99
17] trans-1,2-Dichloroethene	2.91	96	27809	9.216	ppb		91
18) Diisopropyl ether (DIPE)	3.34	45	55881	8.453	ppb		98
19] 1,1-Dichloroethane	3.27	63	40432	9.209	ppb		95
20) Ethyl t-butyl ether (E...)	3.65	87	29220	11.972	ppb		95
21) 2,2-Dichloropropane	3.76	77	32554	14.207	ppb		96
22] cis-1,2-Dichloroethene	3.77	96	31020	9.828	ppb		90
23) Chloroform	4.04	83	46555	9.123	ppb		99
24) 2-Butanone (MEK)	3.78	43	48161	40.476	ppb		97
25) t-Amyl methyl ether (T...)	4.61	73	58826	11.489	ppb		90
26] 1,2-Dichloroethane (EDC)	4.52	62	36578	9.497	ppb		94
27] 1,1,1-Trichloroethane	4.19	97	49858	10.922	ppb		93
28) 1,1-Dichloropropene	4.33	75	32237	9.414	ppb		88
29) Carbon tetrachloride	4.33	117	51038	11.104	ppb		97
31] Benzene	4.50	78	90333	8.526	ppb		99
32] Trichloroethene	5.05	95	30790	8.866	ppb	#	59
33) 1,2-Dichloropropane	5.24	63	20236	8.864	ppb		96
34) Bromodichloromethane	5.48	83	35824	9.780	ppb		92
36) Dibromomethane	5.34	93	18504	8.899	ppb	#	73

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111805.D
 Acq On : 18 Nov 2022 07:00 am
 Operator : LM
 Sample : 02-2769 lcsd
 Misc : water
 ALS Vial : 3 Sample Multiplier: 1
 InstName : GCMS13

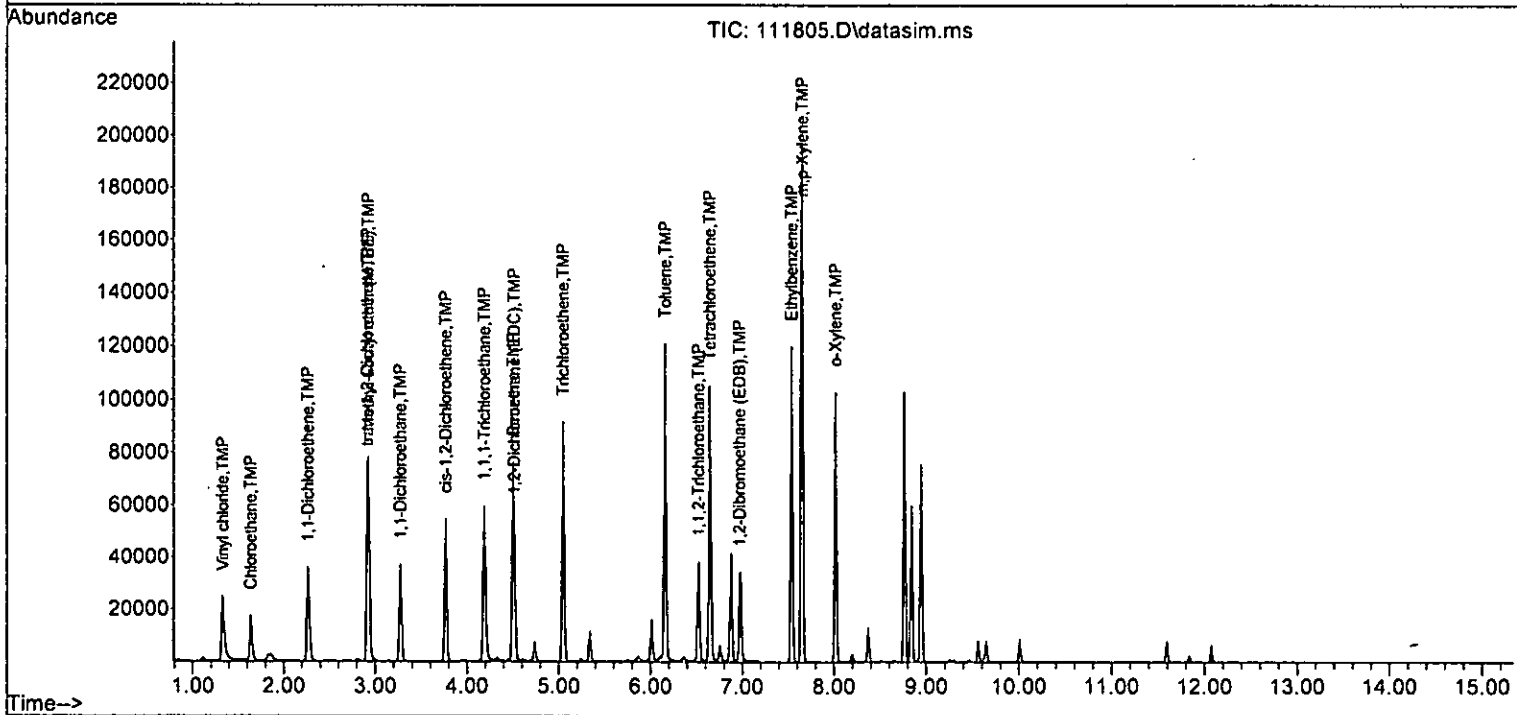
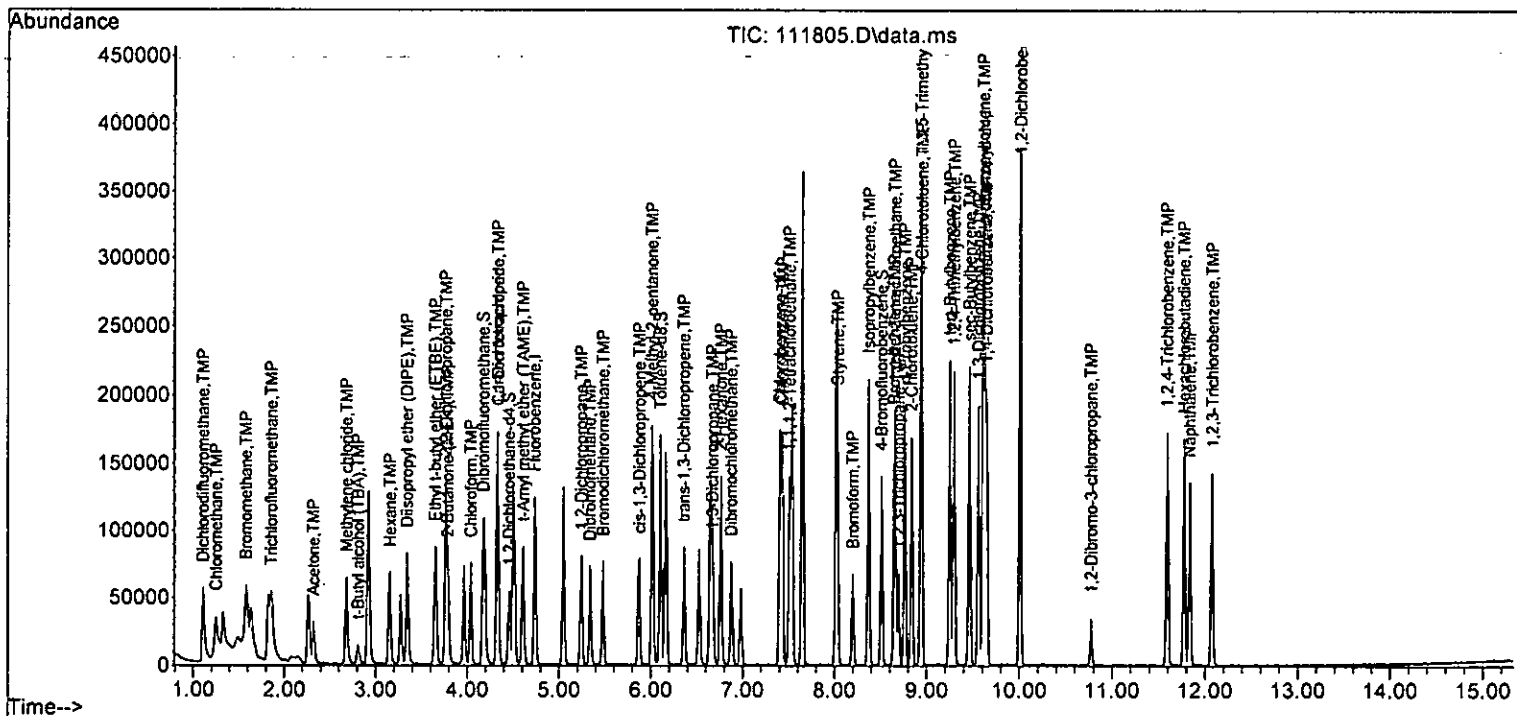
Quant Time: Nov 21 09:49:32 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	6.01	85	21677	53.929	ppb	93
38) cis-1,3-Dichloropropene	5.88	75	36931	10.825	ppb	92
40] Toluene	6.16	92	63480	9.108	ppb	92
41) trans-1,3-Dichloropropene	6.36	75	34117	11.126	ppb	92
42] 1,1,2-Trichloroethane	6.53	83	19133	8.502	ppb #	81
43) 2-Hexanone	6.76	43	76075	46.166	ppb	94
44) 1,3-Dichloropropane	6.67	76	31940	8.036	ppb	100
45] Tetrachloroethene	6.65	164	36534	10.640	ppb	93
46) Dibromochloromethane	6.87	129	40834	10.914	ppb	99
47] 1,2-Dibromoethane (EDB)	6.97	107	29910	9.570	ppb	93
48) Chlorobenzene	7.43	112	83664	9.692	ppb	91
49] Ethylbenzene	7.54	91	119449	8.825	ppb	89
50) 1,1,1,2-Tetrachloroethane	7.51	131	36695	10.920	ppb	95
51] m,p-Xylene	7.65	106	101089	19.007	ppb #	78
52] o-Xylene	8.02	106	50021	9.741	ppb #	78
53) Styrene	8.03	104	74585	9.670	ppb	94
54) Isopropylbenzene	8.37	105	120544	9.660	ppb	91
55) Bromoform	8.20	173	28355	10.908	ppb	99
58) n-Propylbenzene	8.77	91	127068	8.951	ppb	83
59) Bromobenzene	8.65	156	43809	9.948	ppb #	80
60) 1,3,5-Trimethylbenzene	8.94	105	102130	9.871	ppb	87
61) 1,1,2,2-Tetrachloroethane	8.65	83	28306	9.212	ppb	97
62) 1,2,3-Trichloropropane	8.70	75	20809	8.139	ppb	90
63) 2-Chlorotoluene	8.84	91	75789	8.915	ppb	85
64) 4-Chlorotoluene	8.95	91	89618	8.914	ppb	76
65) tert-Butylbenzene	9.25	119	103513	10.085	ppb	87
66) 1,2,4-Trimethylbenzene	9.30	105	106236	10.120	ppb	90
67) sec-Butylbenzene	9.46	105	133233	9.657	ppb	88
68) p-Isopropyltoluene	9.61	119	130452	10.394	ppb	94
69) 1,3-Dichlorobenzene	9.56	146	78822	9.801	ppb	94
70) 1,4-Dichlorobenzene	9.64	146	77575	9.433	ppb	97
71) 1,2-Dichlorobenzene	10.01	146	75862	9.918	ppb	96
72) 1,2-Dibromo-3-chloropr...	10.77	75	5900	10.398	ppb	83
73) 1,2,4-Trichlorobenzene	11.59	180	53352	10.455	ppb	98
74) Hexachlorobutadiene	11.77	225	31876	10.108	ppb	96
75) Naphthalene	11.83	128	104519	10.680	ppb	99
76) 1,2,3-Trichlorobenzene	12.08	180	46350	10.420	ppb	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111805.D
 Acq On : 18 Nov 2022 07:00 am
 Operator : LM
 Sample : 02-2769 lcsd
 Misc : water
 ALS Vial : 3 Sample Multiplier: 1
 InstName : GCMS13

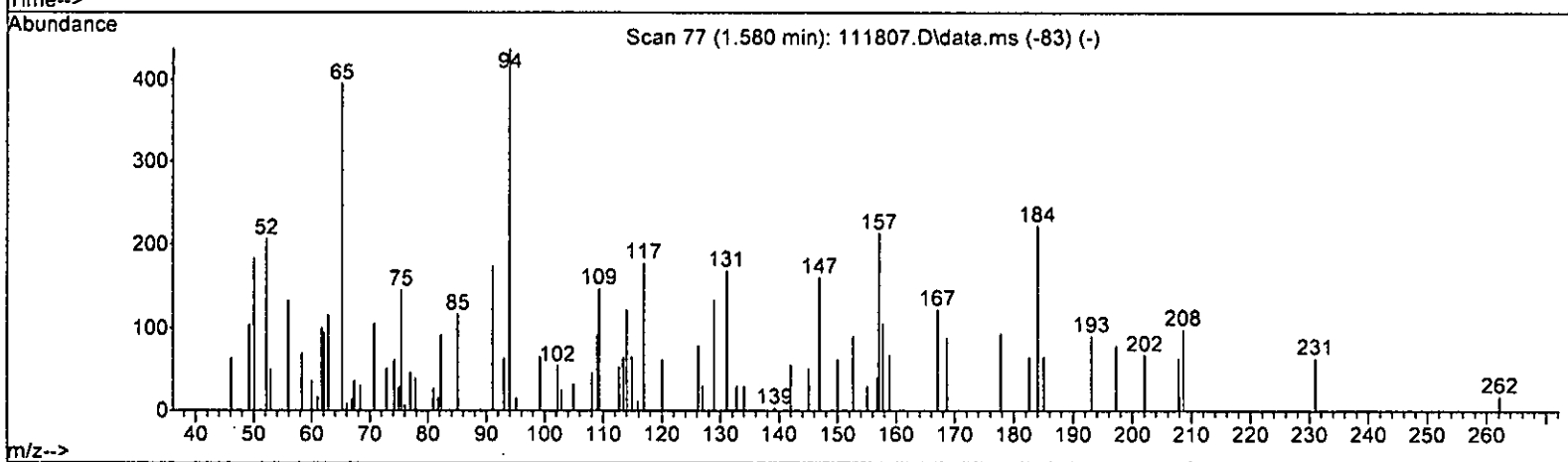
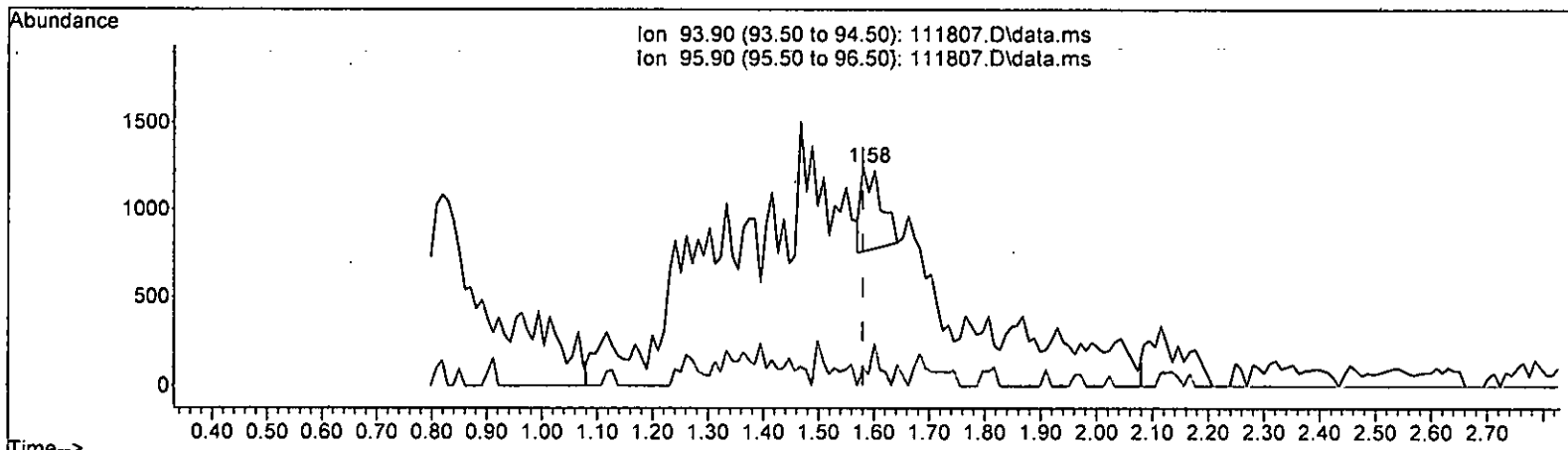
Quant Time: Nov 21 09:49:32 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111807.D
 Acq On : 18 Nov 2022 07:46 am
 Operator : LM
 Sample : 02-2769 mb
 Misc : water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:49:36 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



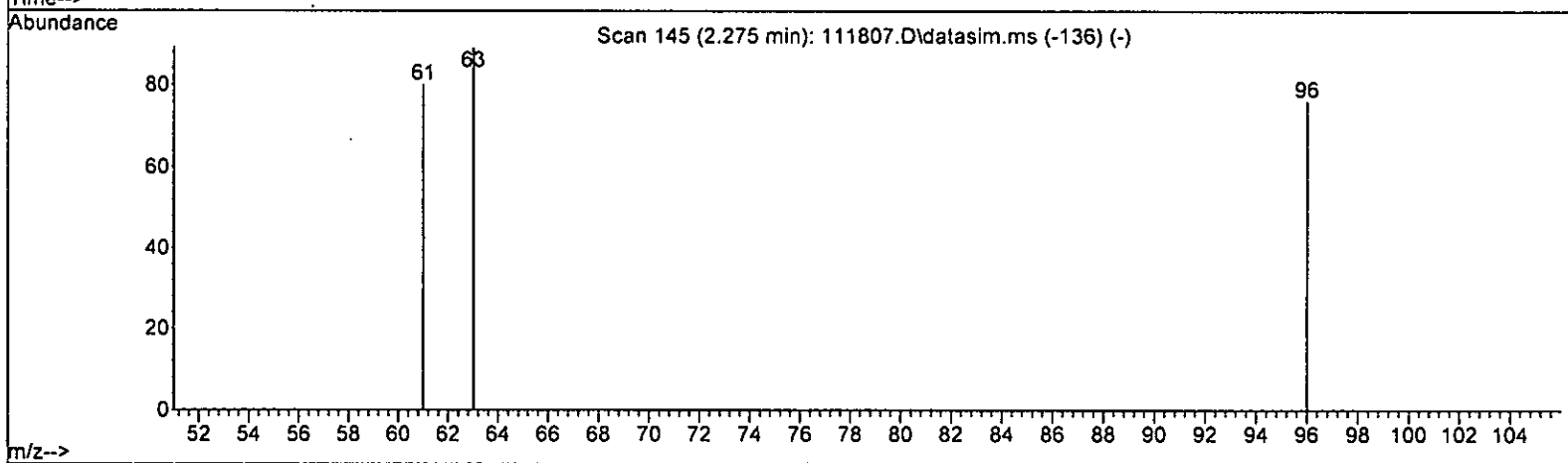
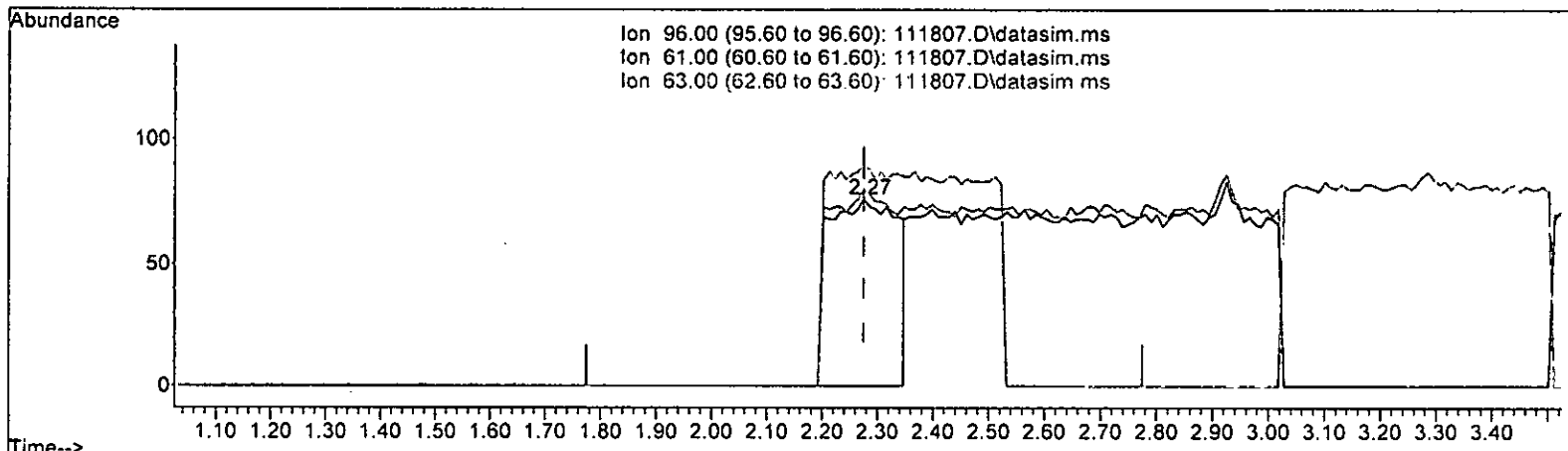
TIC: 111807.D\data.ms

(7) Bromomethane (TMP)		
1.580min (+ 0.000)	0.273 ppb	
response	1160	
Ion	Exp%	Act%
93.90	100.00	100.00
95.90	93.50	23.74#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111807.D
 Acq On : 18 Nov 2022 07:46 am
 Operator : LM
 Sample : 02-2769 mb
 Misc : water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:49:36 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 111807.D\data.ms

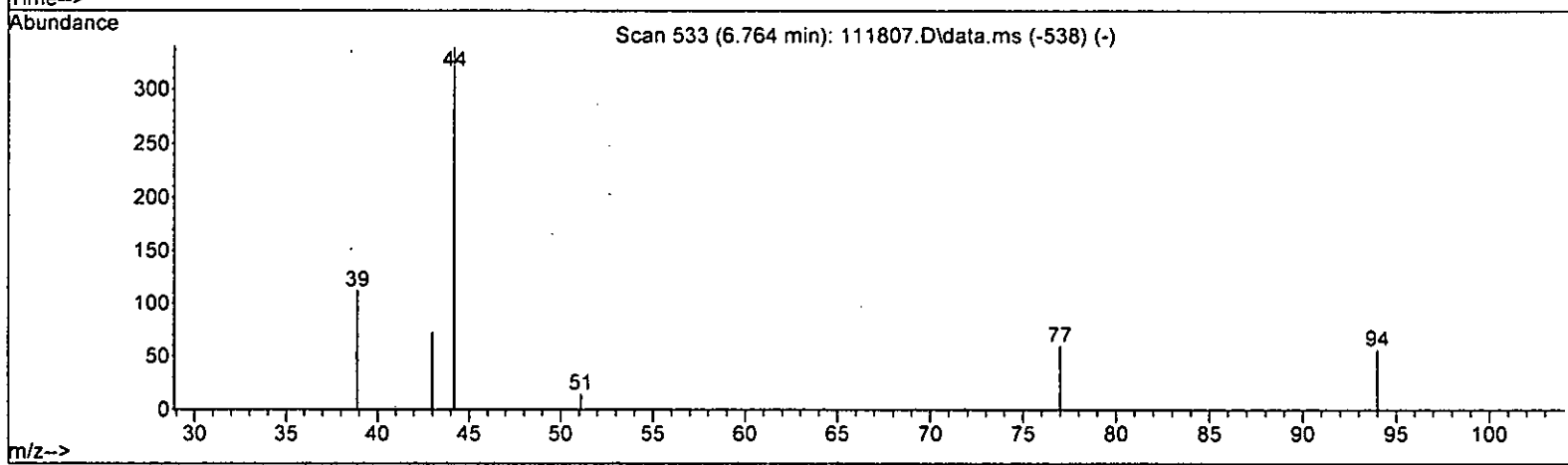
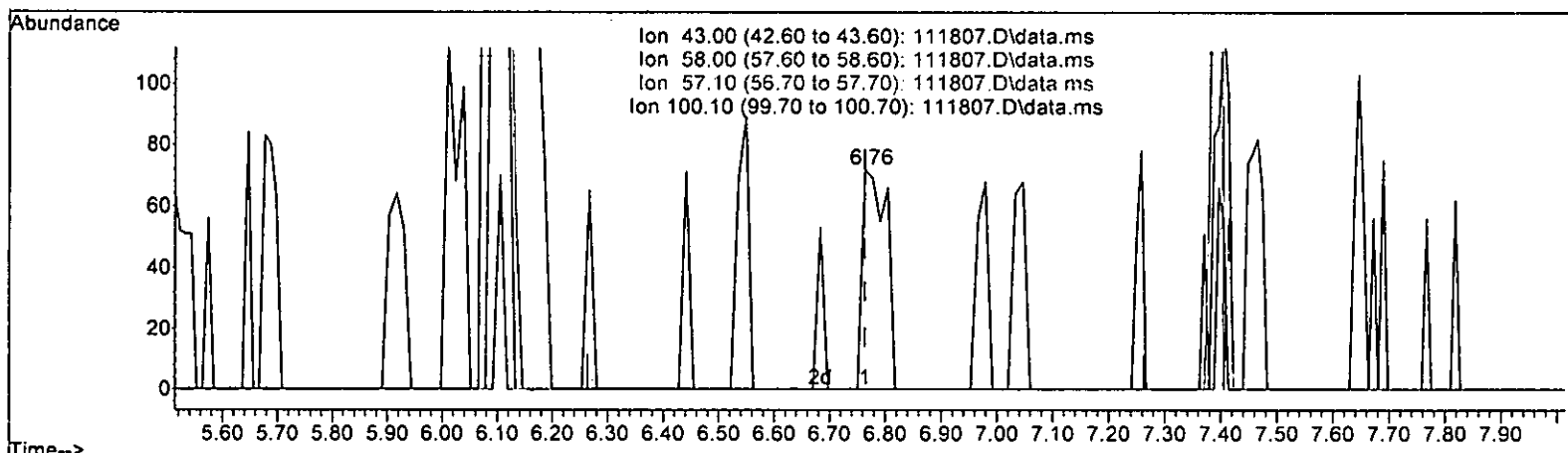
(12) 1,1-Dichloroethene (TMP)
 2.275min (-0.000) 0.233 ppb
 response 654

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	120.90	105.26
63.00	43.90	117.11#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111807.D
 Acq On : 18 Nov 2022 07:46 am
 Operator : LM
 Sample : 02-2769 mb
 Misc : water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:49:36 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 Qlast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 111807.D\data.ms

(43) 2-Hexanone (TMP)

6.764min (+ 0.000) 0.121 ppb

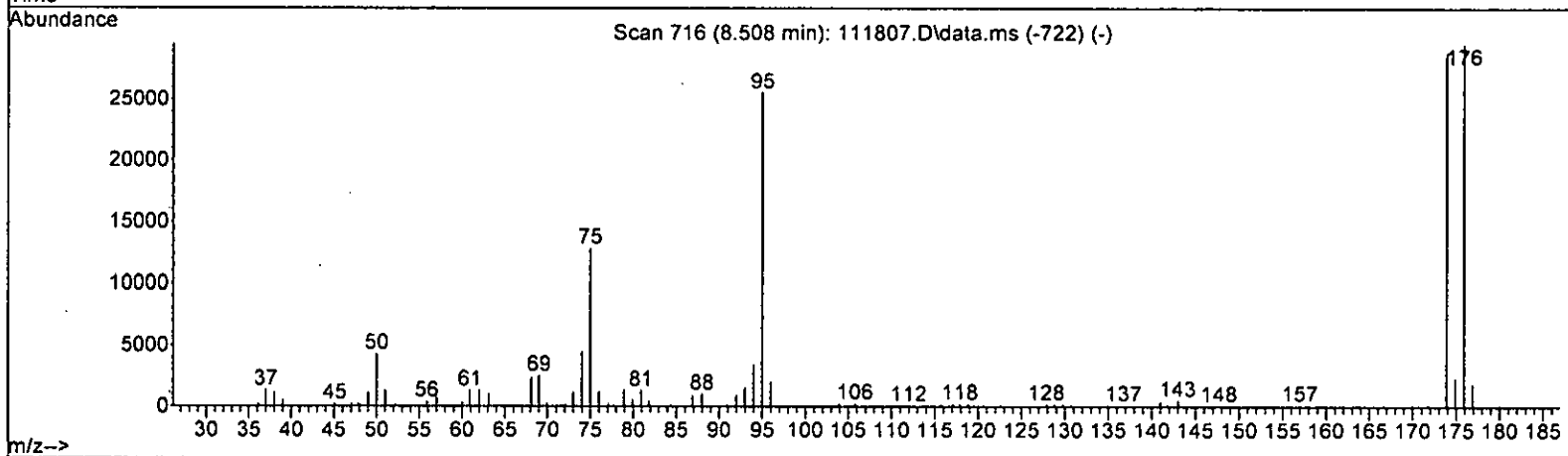
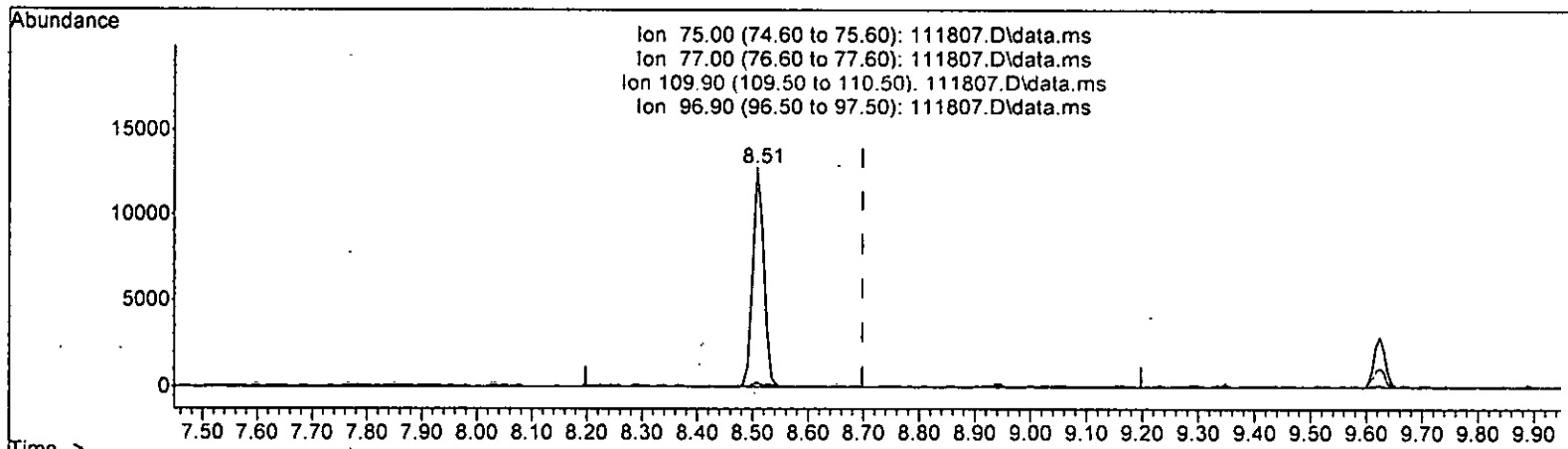
response 211

Ion	Exp%	Act%
43.00	100.00	100.00
58.00	51.50	0.00#
57.10	16.30	0.00
100.10	10.20	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111807.D
 Acq On : 18 Nov 2022 07:46 am
 Operator : LM
 Sample : 02-2769 mb
 Misc : water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:49:36 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 111807.D\data.ms

(62) 1,2,3-Trichloropropane (TMP)

8.508min (-0.190) 6.742 ppb

response	17424	
Ion	Exp%	Act%
75.00	100.00	100.00
77.00	34.00	1.96#
109.90	36.50	0.00#
96.90	22.60	0.00

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111807.D
 Acq On : 18 Nov 2022 07:46 am
 Operator : LM
 Sample : 02-2769 mb
 Misc : water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

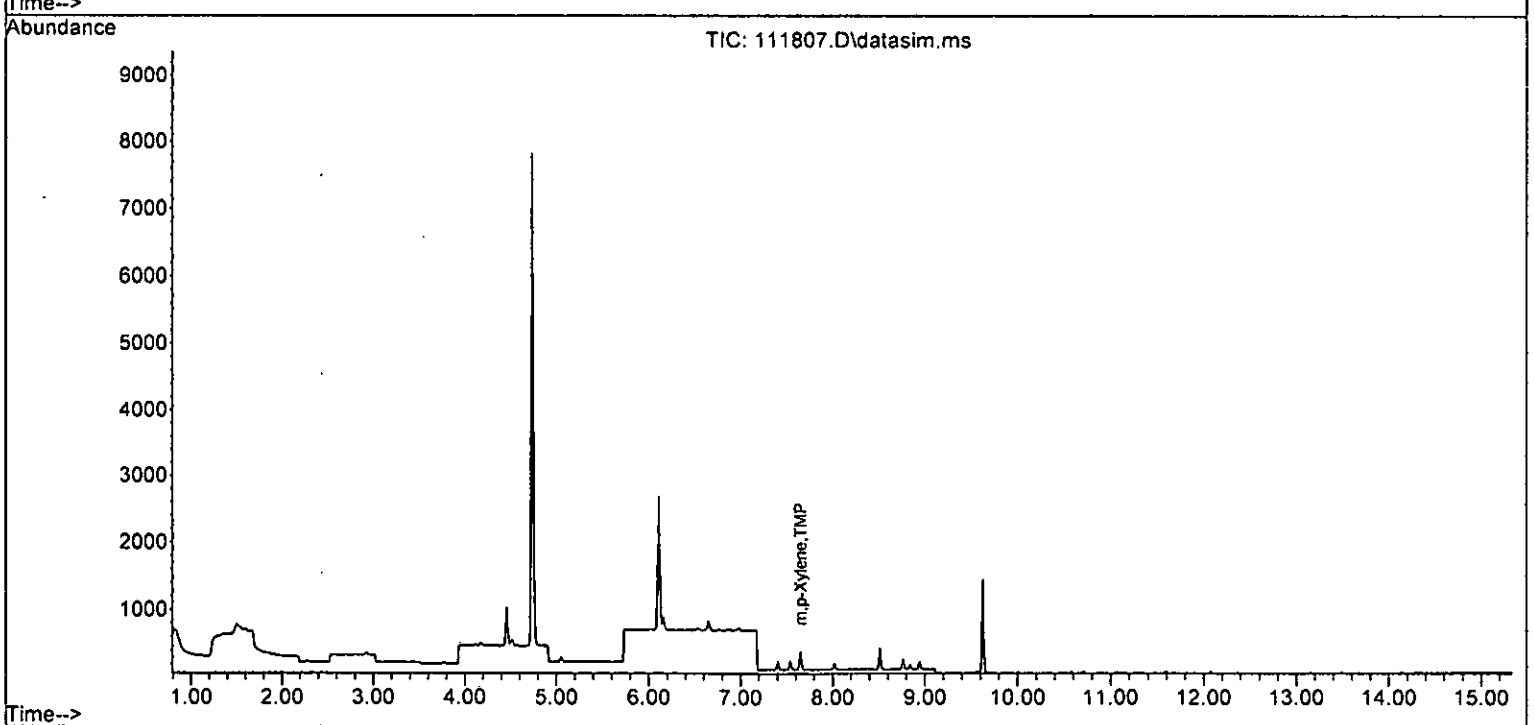
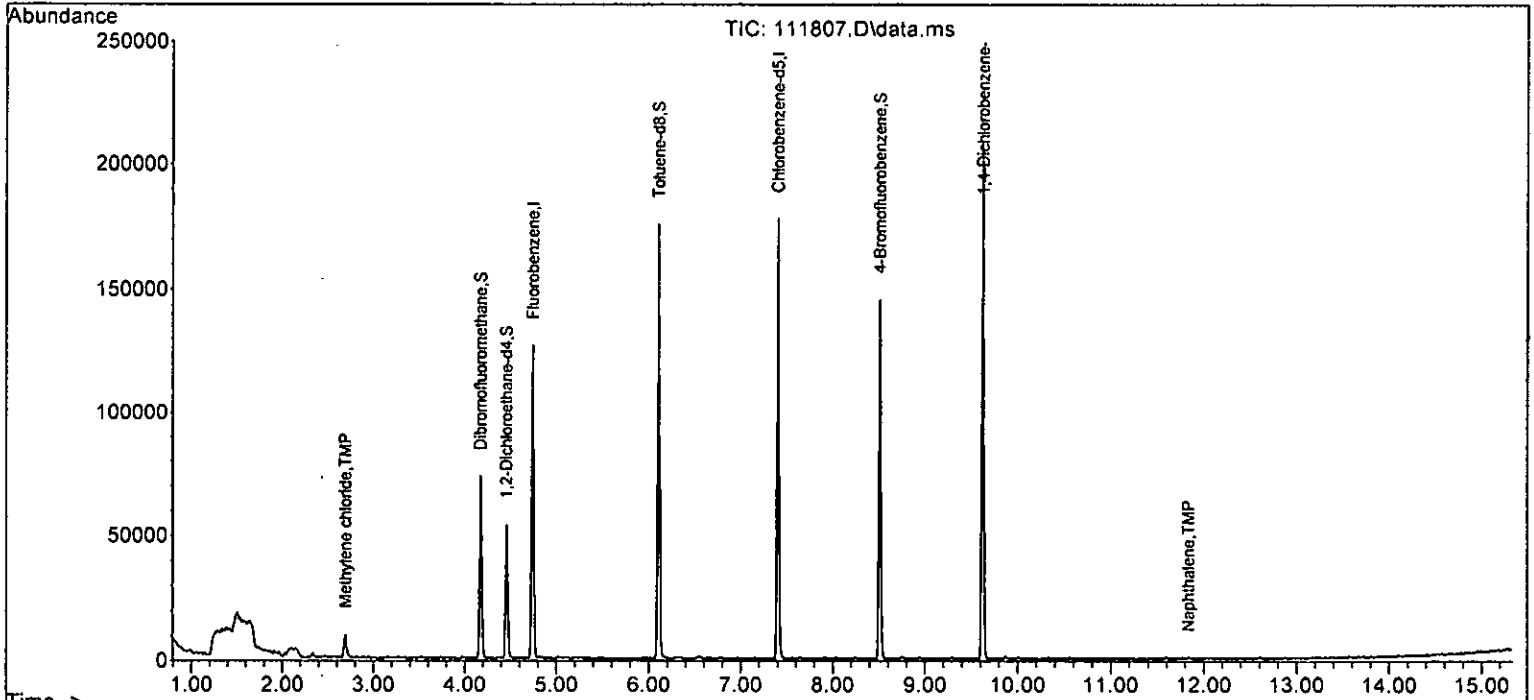
Quant Time: Nov 21 09:49:36 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

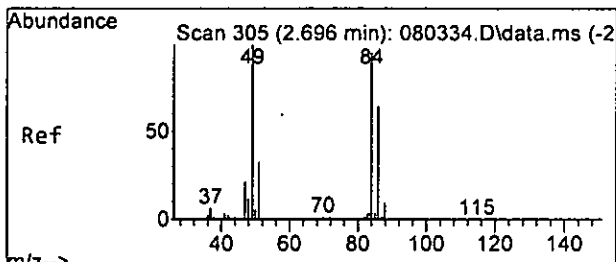
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.75	96	98432	10.000	ppb	0.00
39) Chlorobenzene-d5	7.41	117	91850	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	53151	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.18	113	34370	10.888	ppb	0.00
Spiked Amount	10.000	Range 50 - 150	Recovery =	108.90%		
30) 1,2-Dichloroethane-d4	4.45	102	5910	9.661	ppb	0.00
Spiked Amount	10.000	Range 71 - 132	Recovery =	96.60%		
35) Toluene-d8	6.11	98	95980	10.224	ppb	0.00
Spiked Amount	10.000	Range 68 - 139	Recovery =	102.20%		
57) 4-Bromofluorobenzene	8.51	95	36156	9.872	ppb	0.00
Spiked Amount	10.000	Range 62 - 136	Recovery =	98.70%		
Target Compounds						
14) Methylene chloride	2.69	84	4377	0.453	ppb	91
24) 2-Butanone (MEK)	3.80	43	129	Below Cal		55
26] 1,2-Dichloroethane (EDC)	4.53	62	88	Below Cal		80
40] Toluene	6.16	92	105	Below Cal		81
42] 1,1,2-Trichloroethane	6.53	83	30	Below Cal #		41
45] Tetrachloroethene	6.65	164	56	Below Cal		93
51] m,p-Xylene	7.65	106	138	0.025	ppb	83
75) Naphthalene	11.83	128	472	0.126	ppb	74

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111807.D
 Acq On : 18 Nov 2022 07:46 am
 Operator : LM
 Sample : 02-2769 mb .
 Misc : water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:49:36 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

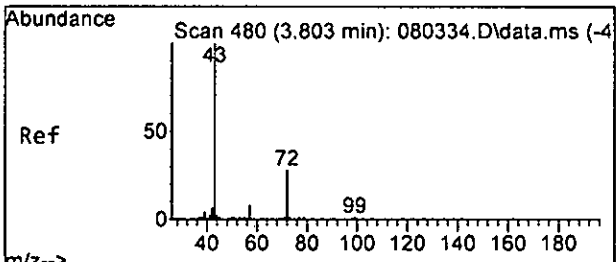
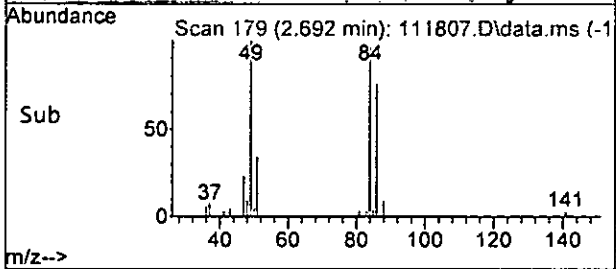
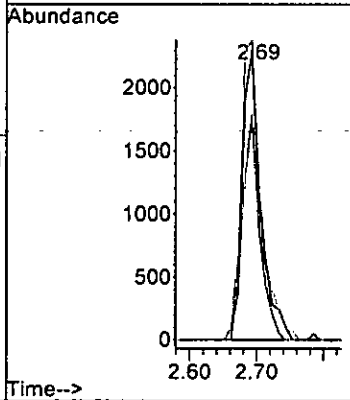
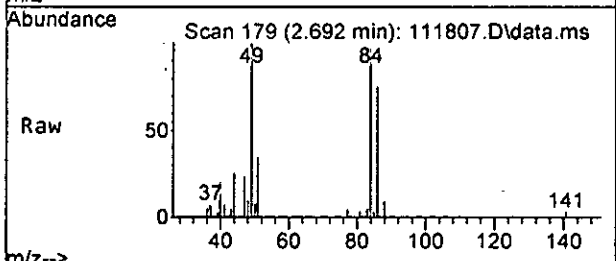




#14
 Methylene chloride
 Concen: 0.453 ppb
 RT: 2.69 min Scan# 179
 Delta R.T. 0.010 min
 Lab File: 111807.D
 Acq: 18 Nov 2022 07:46 am

Tgt Ion: 84 Resp: 4377

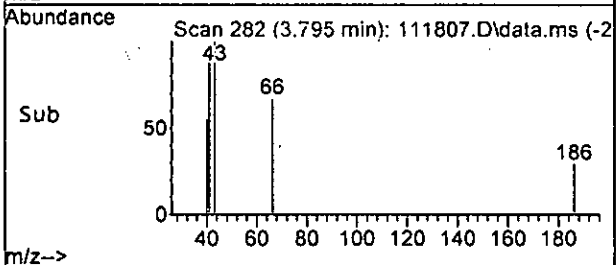
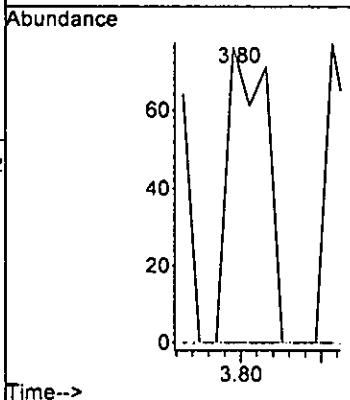
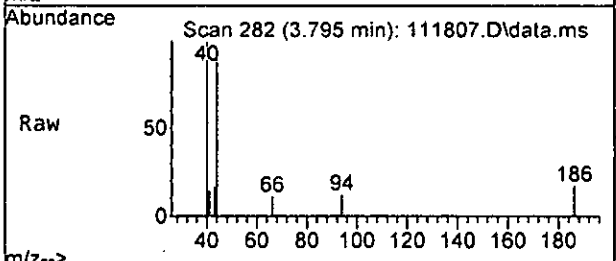
Ion	Ratio	Lower	Upper
84	100		
86	77.6	37.1	97.1
49	103.6	81.3	141.3

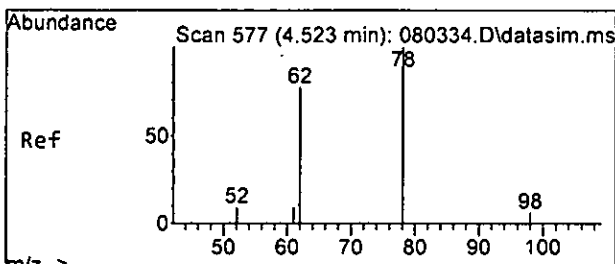


#24
 2-Butanone (MEK)
 Concen: Below Cal
 RT: 3.80 min Scan# 282
 Delta R.T. 0.000 min
 Lab File: 111807.D
 Acq: 18 Nov 2022 07:46 am

Tgt Ion: 43 Resp: 129

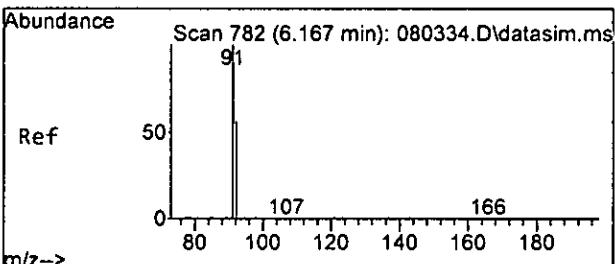
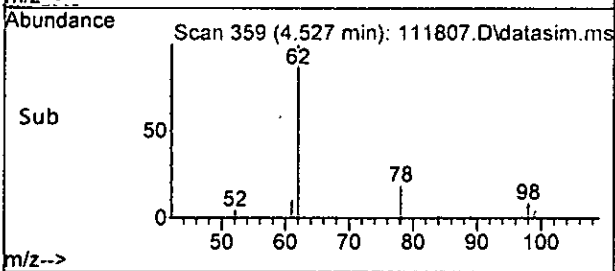
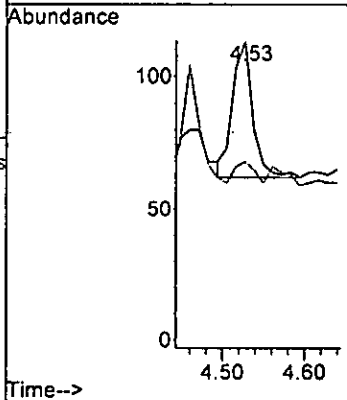
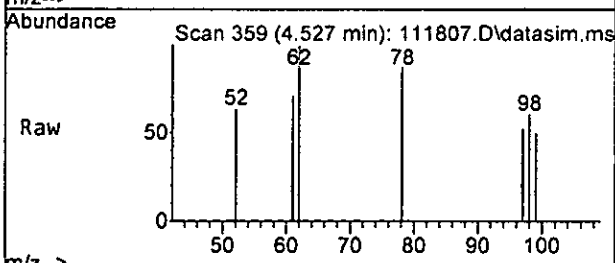
Ion	Ratio	Lower	Upper
43	100		
72	0.0	0.0	57.0
57	0.0	0.0	28.0





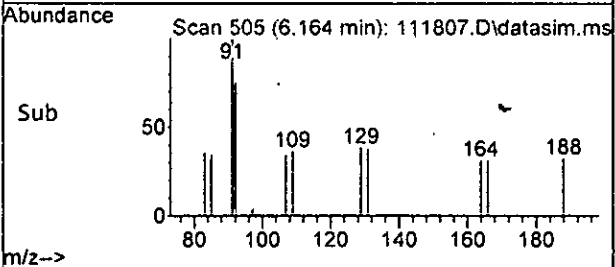
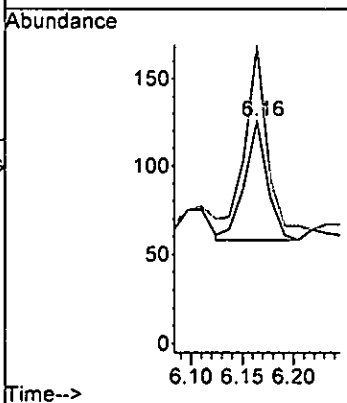
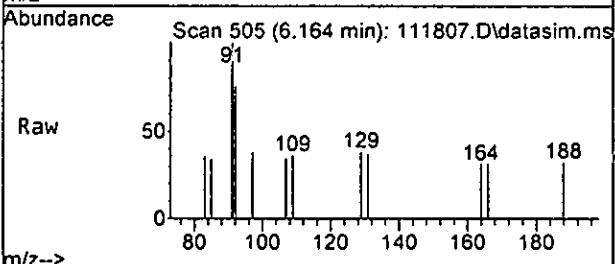
#26
 1,2-Dichloroethane (EDC)
 Concen: Below Cal
 RT: 4.53 min Scan# 359
 Delta R.T. 0.000 min
 Lab File: 111807.D
 Acq: 18 Nov 2022 07:46 am

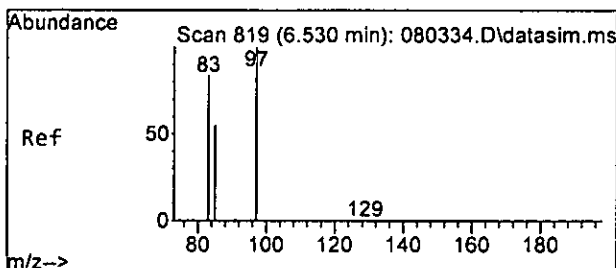
Tgt Ion: 62 Resp: 88
 Ion Ratio Lower Upper
 62 100
 98 17.6 0.0 40.1



#40
 Toluene
 Concen: Below Cal
 RT: 6.16 min Scan# 505
 Delta R.T. 0.000 min
 Lab File: 111807.D
 Acq: 18 Nov 2022 07:46 am

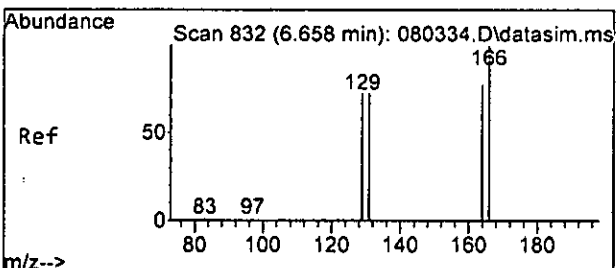
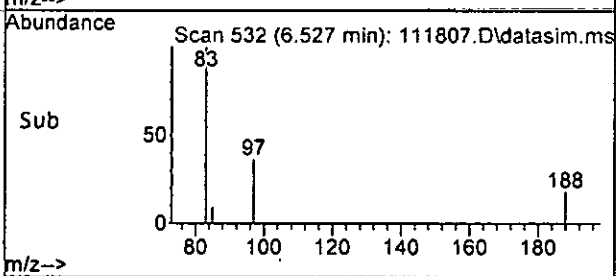
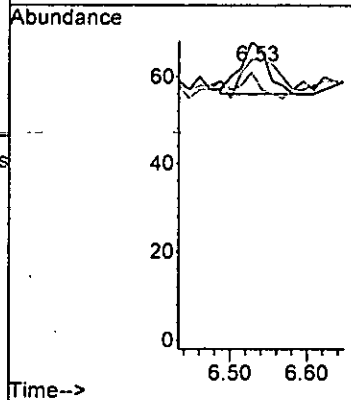
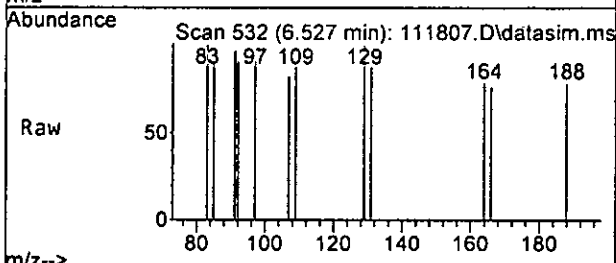
Tgt Ion: 92 Resp: 105
 Ion Ratio Lower Upper
 92 100
 91 151.5 148.5 208.5





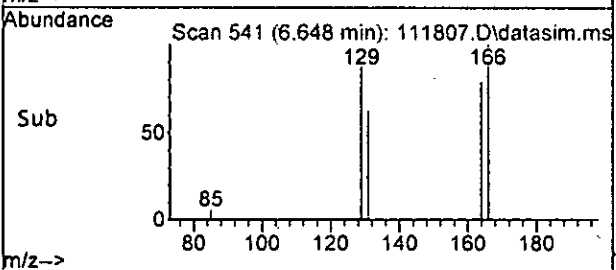
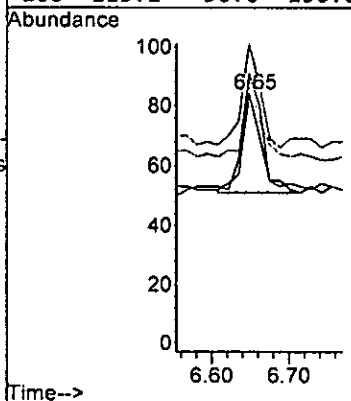
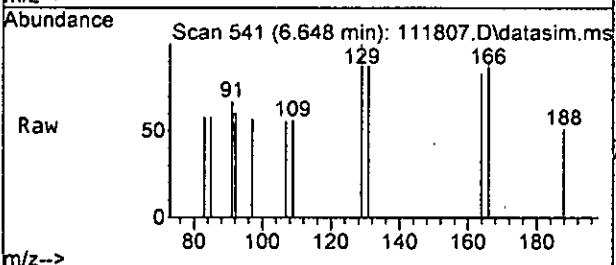
#42
 1,1,2-Trichloroethane
 Concen: Below Cal
 RT: 6.53 min Scan# 532
 Delta R.T. 0.000 min
 Lab File: 111807.D
 Acq: 18 Nov 2022 07:46 am

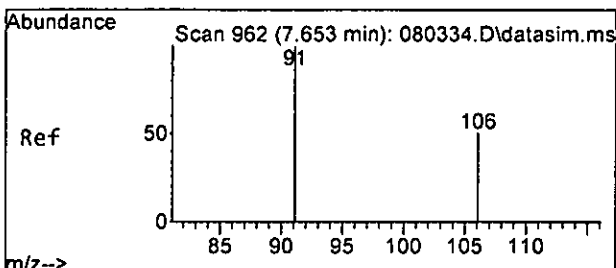
Tgt Ion:	83	97	85	Resp:	30
Ion Ratio	100	41.7	33.3	Lower	Upper
		88.0	35.3	148.0#	95.3#



#45
 Tetrachloroethene
 Concen: Below Cal
 RT: 6.65 min Scan# 541
 Delta R.T. 0.000 min
 Lab File: 111807.D
 Acq: 18 Nov 2022 07:46 am

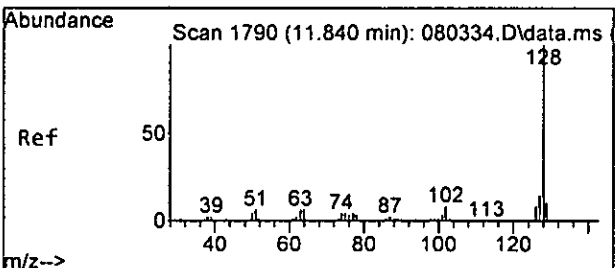
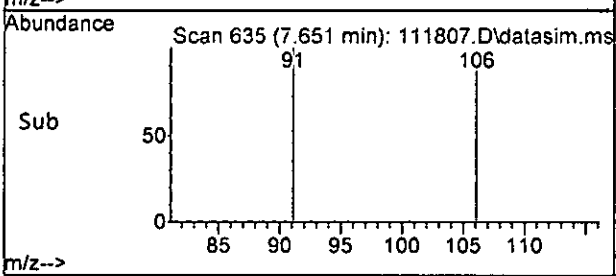
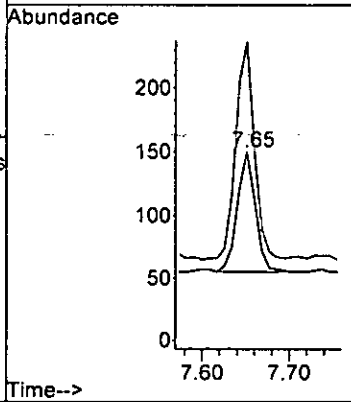
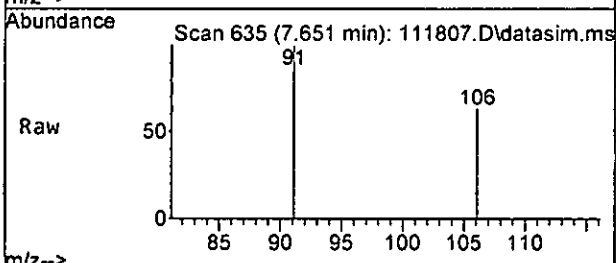
Tgt Ion:	164	129	131	166	Resp:	56
Ion Ratio	100	103.0	78.8	115.2	Lower	Upper
		72.1	64.8	90.0	132.1	124.8
				150.0		





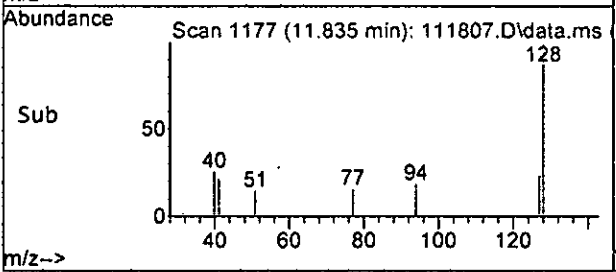
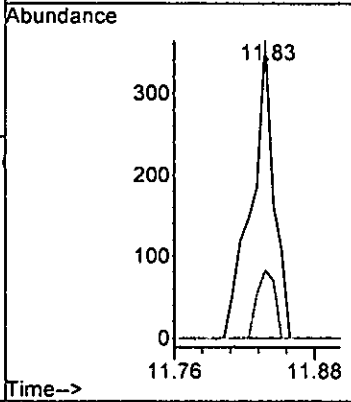
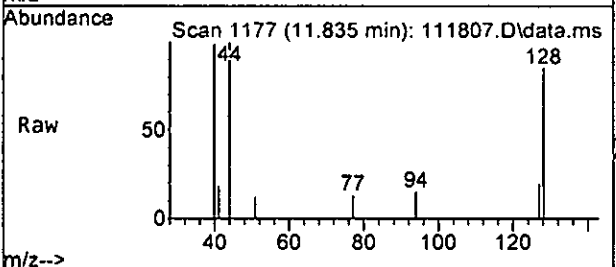
#51
 m,p-Xylene
 Concen: 0.025 ppb
 RT: 7.65 min Scan# 635
 Delta R.T. 0.000 min
 Lab File: 111807.D
 Acq: 18 Nov 2022 07:46 am

Tgt Ion:106 Resp: 138
 Ion Ratio Lower Upper
 106 100
 91 180.0 175.7 235.7



#75
 Naphthalene
 Concen: 0.126 ppb
 RT: 11.83 min Scan# 1177
 Delta R.T. -0.000 min
 Lab File: 111807.D
 Acq: 18 Nov 2022 07:46 am

Tgt Ion:128 Resp: 472
 Ion Ratio Lower Upper
 128 100
 129 0.0 0.0 40.8
 127 22.8 0.0 43.1



Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111807.D
 Acq On : 18 Nov 2022 07:46 am
 Operator : LM
 Sample : 02-2769 mb
 Misc : water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:49:36 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) Fluorobenzene	4.75	96	98432	10.000	ppb	0.00	
39) Chlorobenzene-d5	7.41	117	91850	10.000	ppb	0.00	
56) 1,4-Dichlorobenzene-d4	9.62	152	53151	10.000	ppb	0.00	
System Monitoring Compounds							
3) Dibromofluoromethane	4.18	113	34370	10.888	ppb	0.00	
Spiked Amount	10.000	Range 50 - 150	Recovery	=	108.90%		
30) 1,2-Dichloroethane-d4	4.45	102	5910	9.661	ppb	0.00	
Spiked Amount	10.000	Range 71 - 132	Recovery	=	96.60%		
35) Toluene-d8	6.11	98	95980	10.224	ppb	0.00	
Spiked Amount	10.000	Range 68 - 139	Recovery	=	102.20%		
57) 4-Bromofluorobenzene	8.51	95	36156	9.872	ppb	0.00	
Spiked Amount	10.000	Range 62 - 136	Recovery	=	98.70%		
Target Compounds							
							Qvalue
2) Ethanol	2.34	45	197	No Calib			
4) Dichlorodifluoromethane	0.00		0	N.D.			
5) Chloromethane	1.25	50	812	N.D.			
6) Vinyl chloride	0.00		0	N.D.			
7) Bromomethane	0.00		0	N.D. d			
8) Chloroethane	0.00		0	N.D.			
9) Trichlorofluoromethane	1.85	101	37	N.D.			
10) 2-Propanol	2.34	45	197	No Calib	#		
11) Acetone	2.33	58	465	N.D.			
12) 1,1-Dichloroethene	0.00		0	N.D. d			
13) Hexane	0.00		0	N.D.			
14) Methylene chloride	2.69	84	4377	0.453	ppb	91	
15) t-Butyl alcohol (TBA)	0.00		0	N.D.			
16) Methyl t-butyl ether (...)	0.00		0	N.D.			
17) trans-1,2-Dichloroethene	0.00		0	N.D.			
18) Diisopropyl ether (DIPE)	0.00		0	N.D.			
19) 1,1-Dichloroethane	0.00		0	N.D.			
20) Ethyl t-butyl ether (E...)	0.00		0	N.D.			
21) 2,2-Dichloropropane	3.83	77	170	N.D.			
22) cis-1,2-Dichloroethene	0.00		0	N.D.			
23) Chloroform	0.00		0	N.D.			
24) 2-Butanone (MEK)	3.80	43	129	Below Cal		55	
25) t-Amyl methyl ether (T...)	0.00		0	N.D.			
26] 1,2-Dichloroethane (EDC)	4.53	62	88	Below Cal		80	
27) 1,1,1-Trichloroethane	0.00		0	N.D.			
28) 1,1-Dichloropropene	0.00		0	N.D.			
29) Carbon tetrachloride	0.00		0	N.D.			
31) Benzene	4.50	78	68	N.D.			
32) Trichloroethene	5.05	95	29	N.D.			
33) 1,2-Dichloropropane	5.35	63	32	N.D.			
34) Bromodichloromethane	0.00		0	N.D.			
36) Dibromomethane	0.00		0	N.D.			

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111807.D
 Acq On : 18 Nov 2022 07:46 am
 Operator : LM
 Sample : 02-2769 mb
 Misc : water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

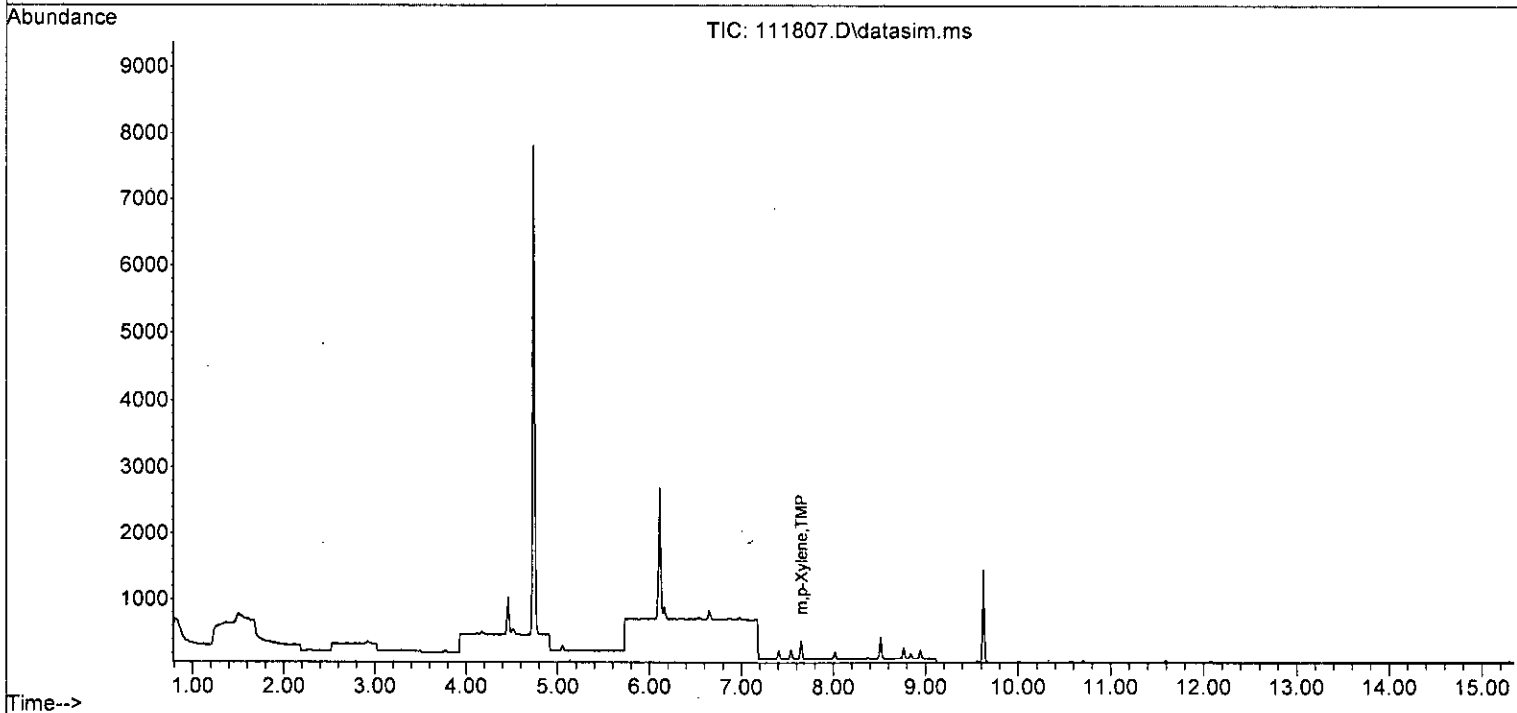
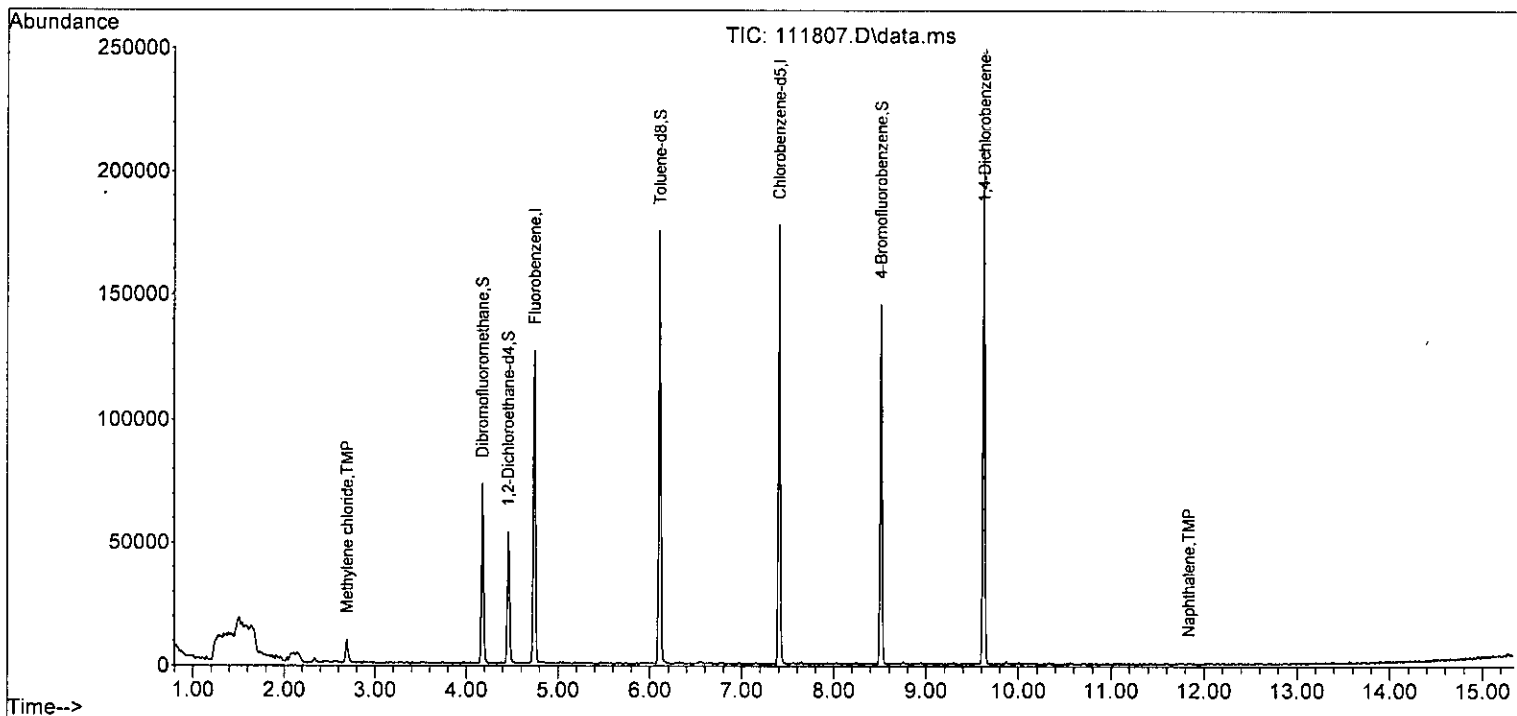
Quant Time: Nov 21 09:49:36 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.00		0		N.D.	
38) cis-1,3-Dichloropropene	0.00		0		N.D.	
40] Toluene	6.16	92	105	Below Cal		81
41) trans-1,3-Dichloropropene	6.36	75	58	N.D.		
42] 1,1,2-Trichloroethane	6.53	83	30	Below Cal	#	41
43) 2-Hexanone	0.00		0		N.D. d	
44) 1,3-Dichloropropane	6.83	76	56		N.D.	
45] Tetrachloroethene	6.65	164	56	Below Cal		93
46) Dibromochloromethane	0.00		0		N.D.	
47) 1,2-Dibromoethane (EDB)	6.98	107	29		N.D.	
48) Chlorobenzene	7.43	112	97		N.D.	
49) Ethylbenzene	7.54	91	141		N.D.	
50) 1,1,1,2-Tetrachloroethane	0.00		0		N.D.	
51] m,p-Xylene	7.65	106	138	0.025	ppb	83
52) o-Xylene	8.02	106	51		N.D.	
53) Styrene	8.03	104	91		N.D.	
54) Isopropylbenzene	8.37	105	170		N.D.	
55) Bromoform	0.00		0		N.D.	
58) n-Propylbenzene	8.77	91	254		N.D.	
59) Bromobenzene	8.65	156	33		N.D.	
60) 1,3,5-Trimethylbenzene	8.94	105	138		N.D.	
61) 1,1,2,2-Tetrachloroethane	0.00		0		N.D.	
62) 1,2,3-Trichloropropane	0.00		0		N.D. d	
63) 2-Chlorotoluene	8.77	91	254		N.D.	
64) 4-Chlorotoluene	8.95	91	129		N.D.	
65) tert-Butylbenzene	9.25	119	128		N.D.	
66) 1,2,4-Trimethylbenzene	9.30	105	297		N.D.	
67) sec-Butylbenzene	9.46	105	159		N.D.	
68) p-Isopropyltoluene	9.62	119	211		N.D.	
69) 1,3-Dichlorobenzene	9.64	146	247		N.D.	
70) 1,4-Dichlorobenzene	9.64	146	247		N.D.	
71) 1,2-Dichlorobenzene	10.01	146	106		N.D.	
72) 1,2-Dibromo-3-chloropr...	0.00		0		N.D.	
73) 1,2,4-Trichlorobenzene	11.59	180	203		N.D.	
74) Hexachlorobutadiene	11.78	225	111		N.D.	
75) Naphthalene	11.83	128	472	0.126	ppb	74
76) 1,2,3-Trichlorobenzene	12.08	180	127		N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111807.D
 Acq On : 18 Nov 2022 07:46 am
 Operator : LM
 Sample : 02-2769 mb
 Misc : water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:49:36 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

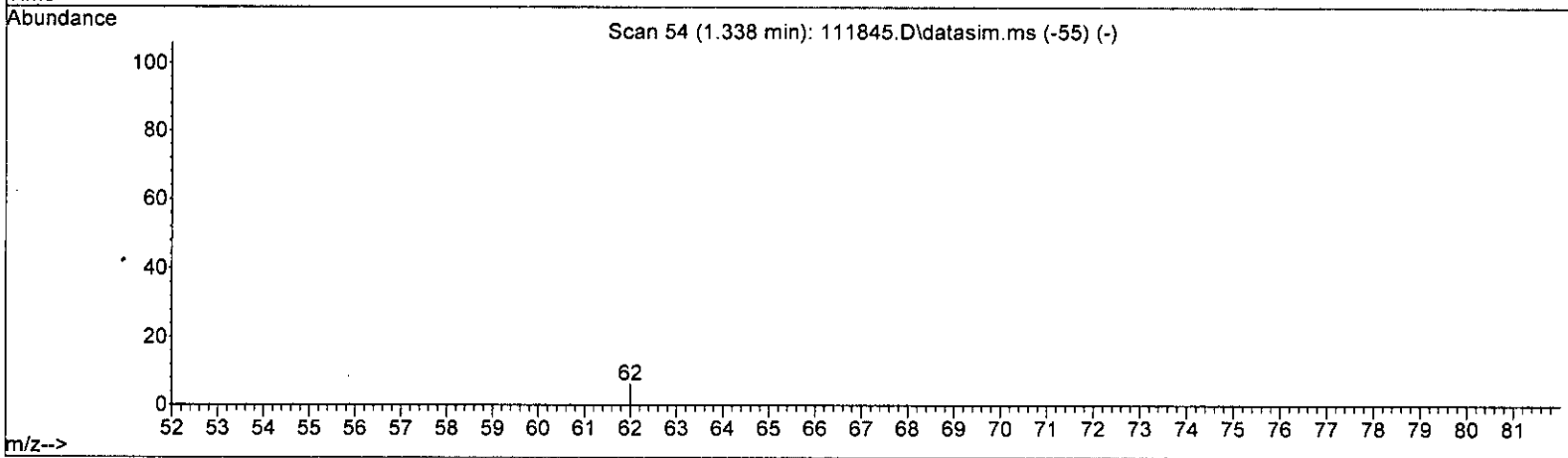
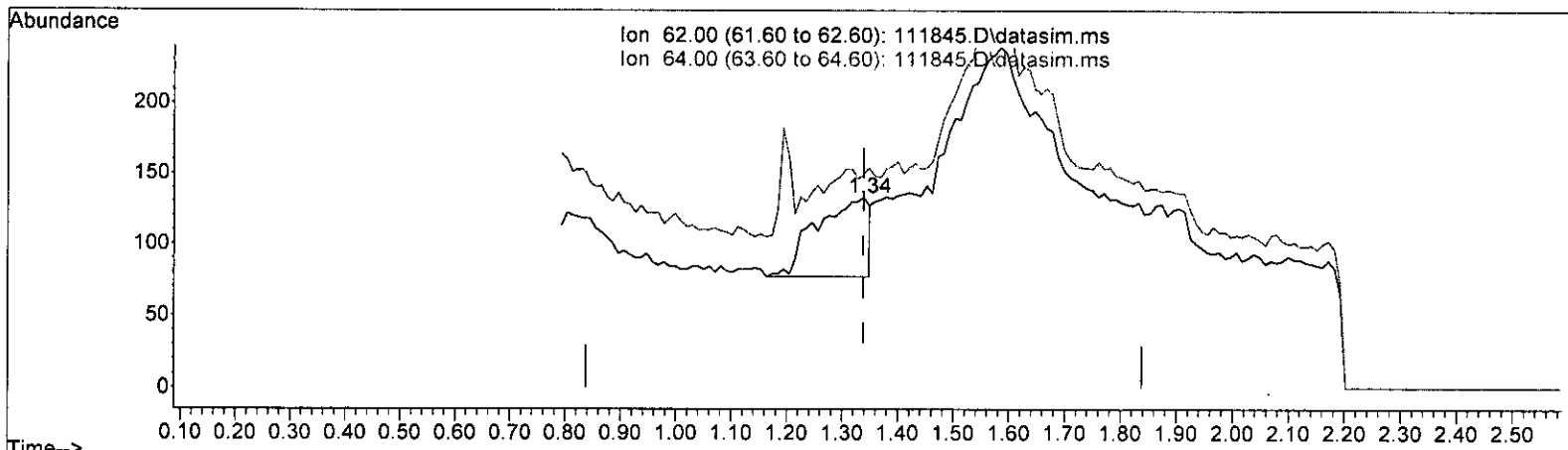


EPA 8260D
Sample Data

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111845.D
 Acq On : 19 Nov 2022 01:06 am
 Operator : LM
 Sample : 211237-01 1/0.25
 Misc : soil
 ALS Vial : 38 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:46:43 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 111845.D\data.ms

(6) Vinyl chloride (TMP)

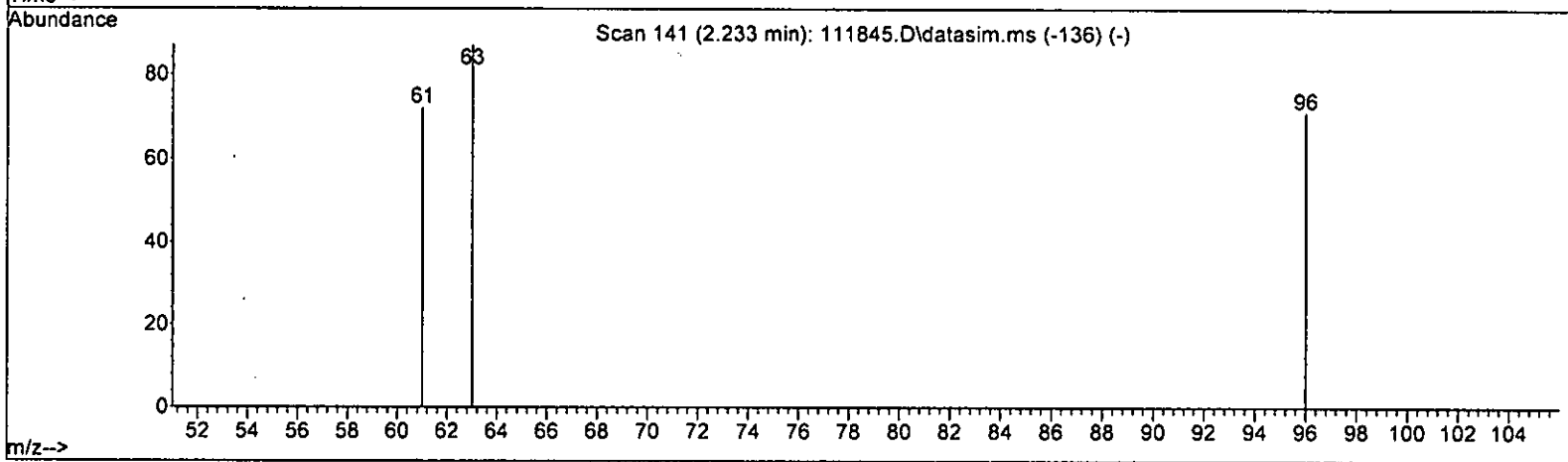
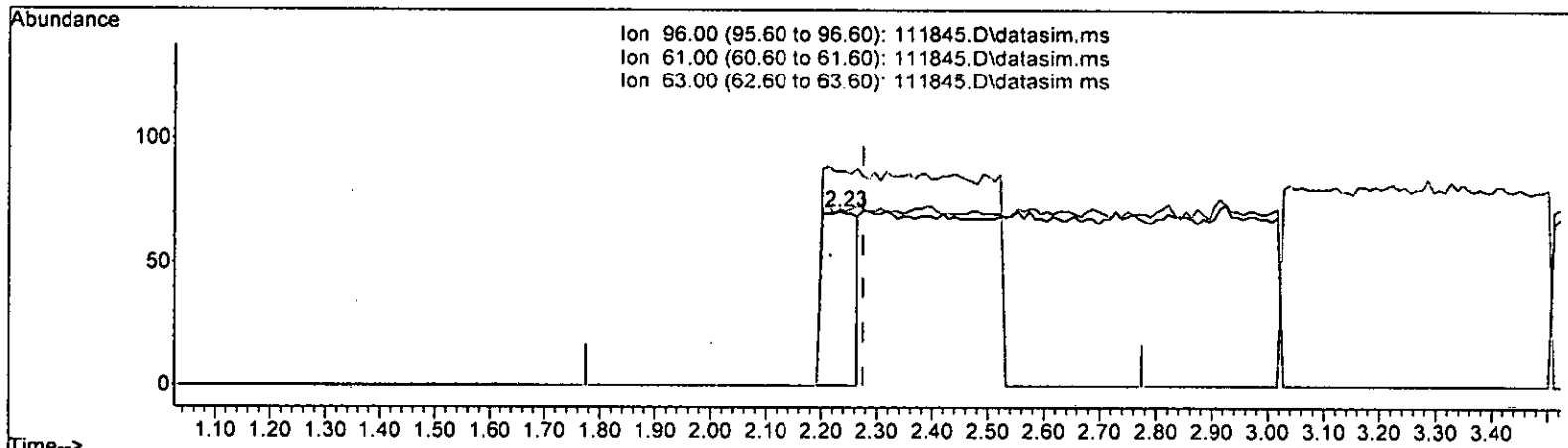
1.338min (-0.000) 0.070 ppb

response	365
Ion	Exp% Act%
62.00	100.00 100.00
64.00	34.40 78.57#
0.00	0.00 0.00
0.00	0.00 0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111845.D
 Acq On : 19 Nov 2022 01:06 am
 Operator : LM
 Sample : 211237-01 1/0.25
 Misc : soil
 ALS Vial : 38 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:46:43 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 111845.D\data.ms

(12) 1,1-Dichloroethene (TMP)

2.233min (-0.042) 0.103 ppb

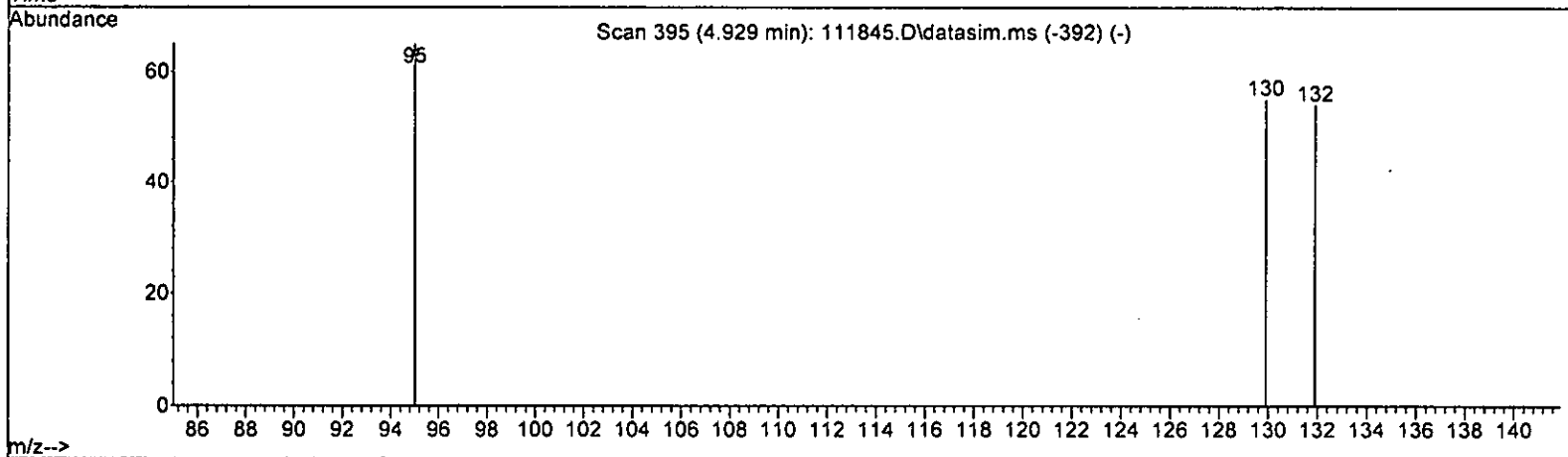
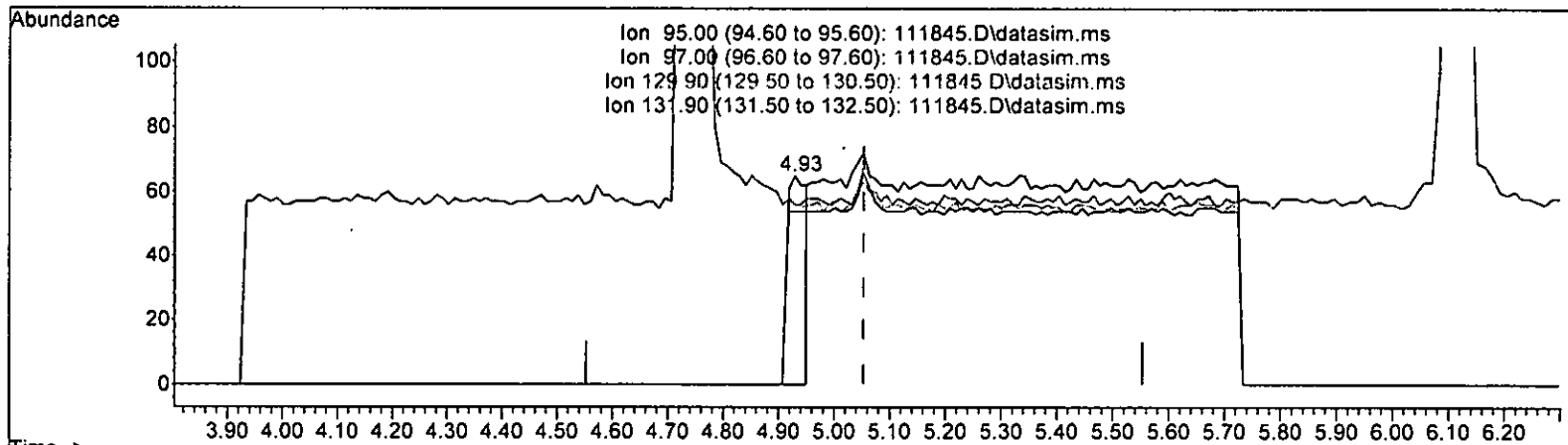
response 303

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	120.90	101.41
63.00	43.90	122.54#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111845.D
 Acq On : 19 Nov 2022 01:06 am
 Operator : LM
 Sample : 211237-01 1/0.25
 Misc : soil
 ALS Vial : 38 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:46:43 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 111845.D\data.ms

(32) Trichloroethene (TMP)

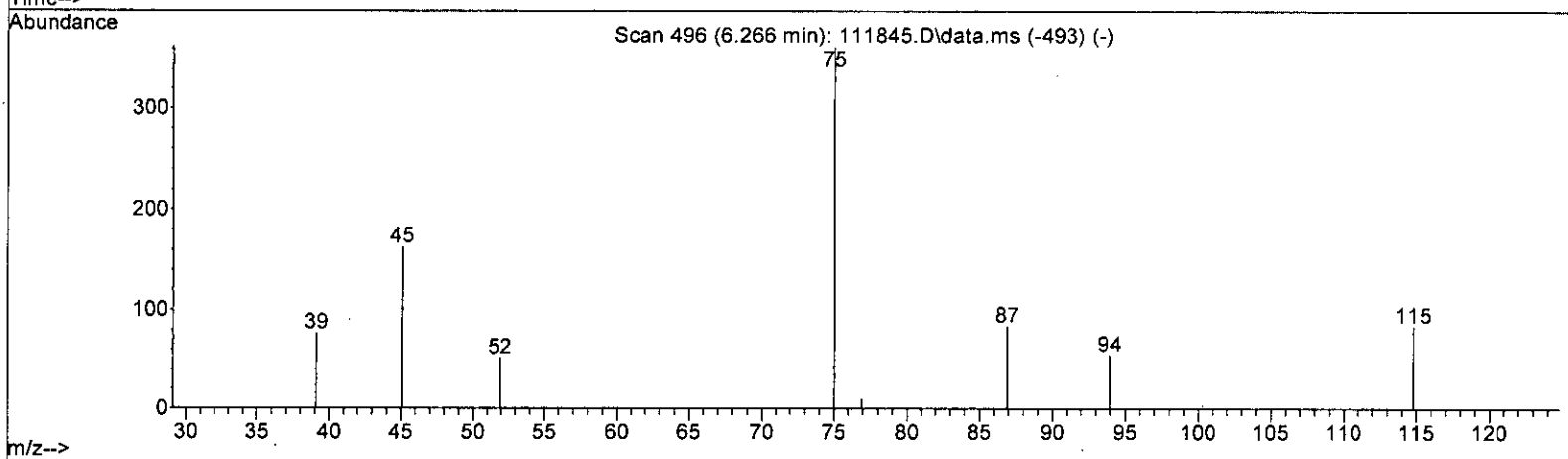
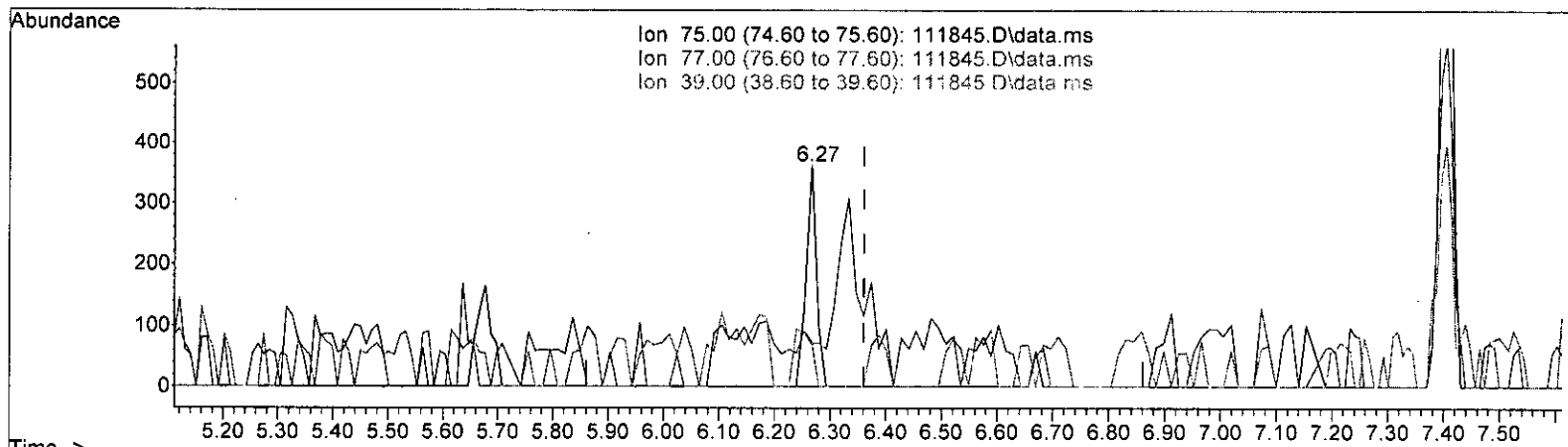
4.929min (-0.124) 0.042 ppb

response	160
Ion	Exp% Act%
95.00	100.00 100.00
97.00	64.60 0.00#
129.90	103.40 84.62
131.90	95.80 83.08

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111845.D
 Acq On : 19 Nov 2022 01:06 am
 Operator : LM
 Sample : 211237-01 1/0.25
 Misc : soil
 ALS Vial : 38 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:46:43 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 111845.D\data.ms

(41) trans-1,3-Dichloropropene (TMP)

6.266min (-0.095) 0.144 ppb

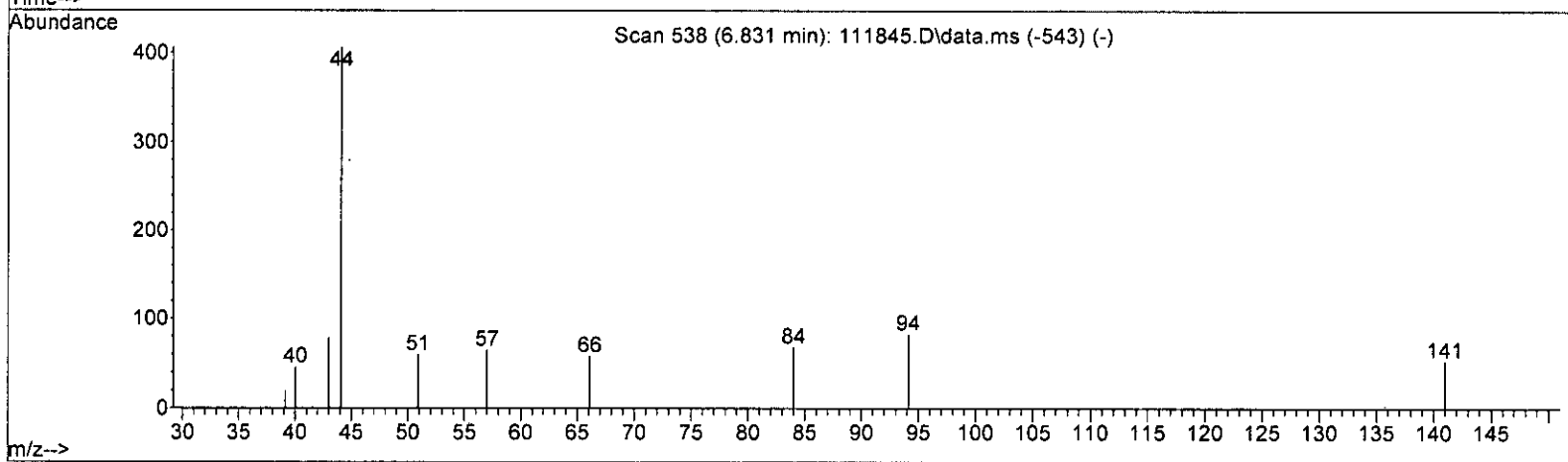
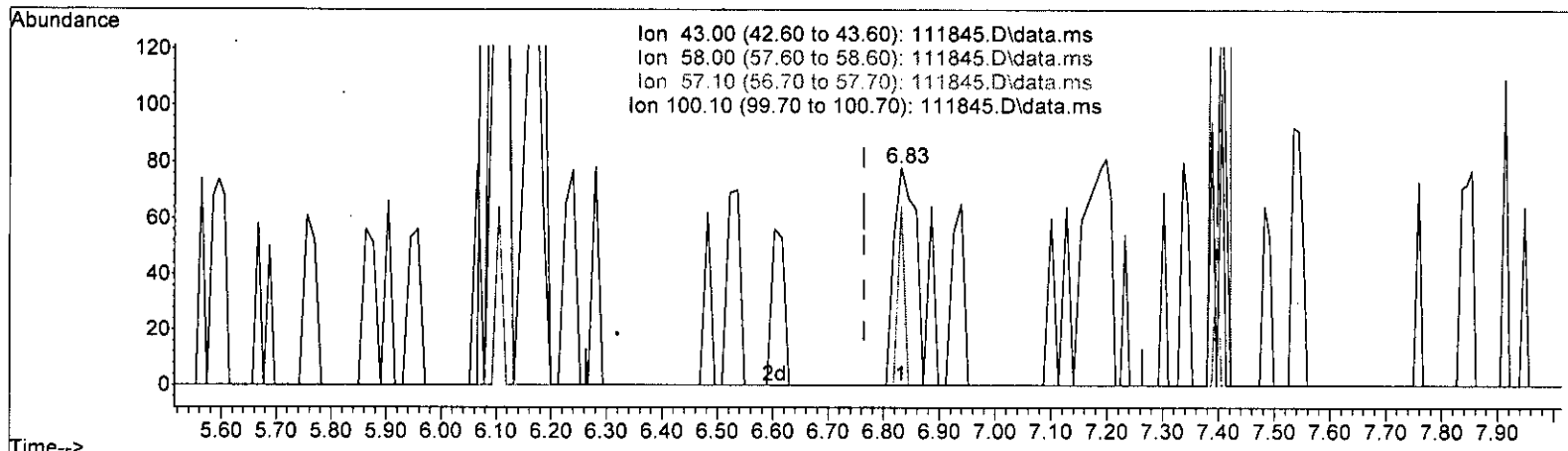
response 468

Ion	Exp%	Act%
75.00	100.00	100.00
77.00	32.60	2.49#
39.00	46.30	20.99
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111845.D
 Acq On : 19 Nov 2022 01:06 am
 Operator : LM
 Sample : 211237-01 1/0.25
 Misc : soil
 ALS Vial : 38 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:46:43 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



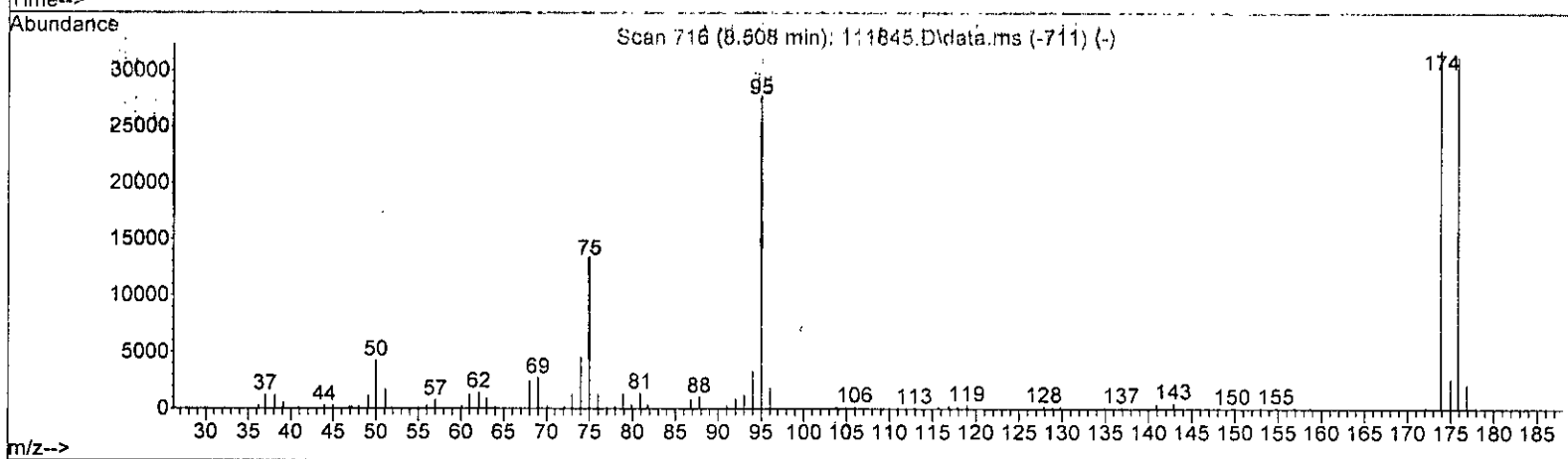
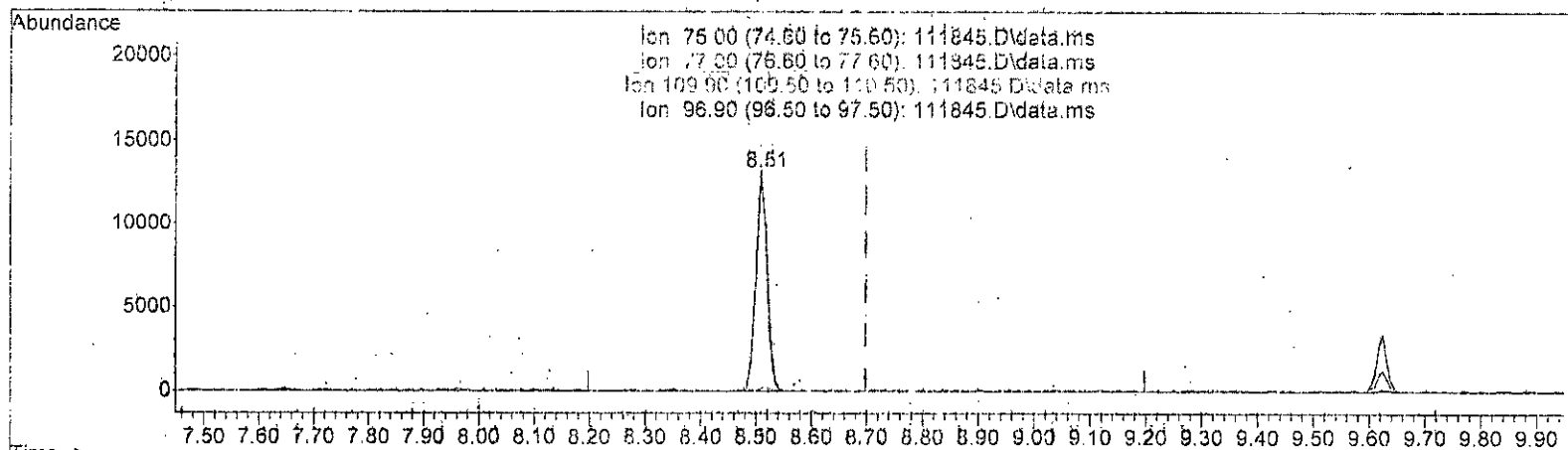
TIC: 111845.D\data.ms

(43) 2-Hexanone (TMP)		
6.831min (+ 0.067) 0.144 ppb		
response	262	
Ion	Exp%	Act%
43.00	100.00	100.00
58.00	51.50	0.00#
57.10	16.30	82.05#
100.10	10.20	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111845.D
 Acq On : 19 Nov 2022 01:06 am
 Operator : LM
 Sample : 211237-01 1/0.25
 Misc : soil
 ALS Vial : 38 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:46:43 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 111845.D\data.ms

(62) 1,2,3-Trichloropropane (TMP)

8.508min (-0.190) 6.541 ppb

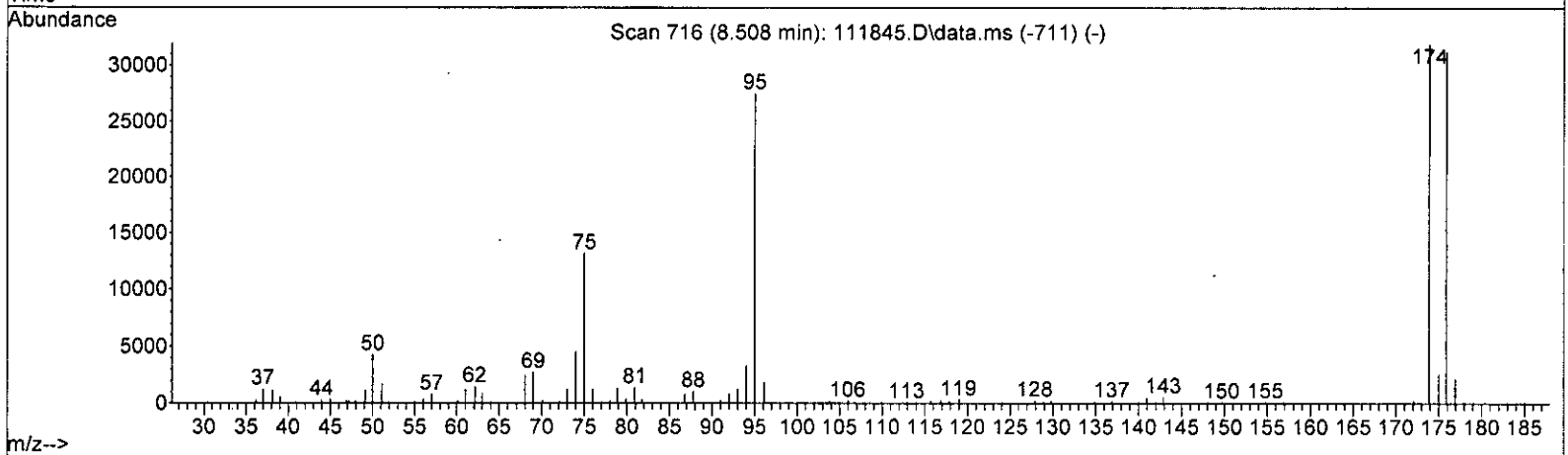
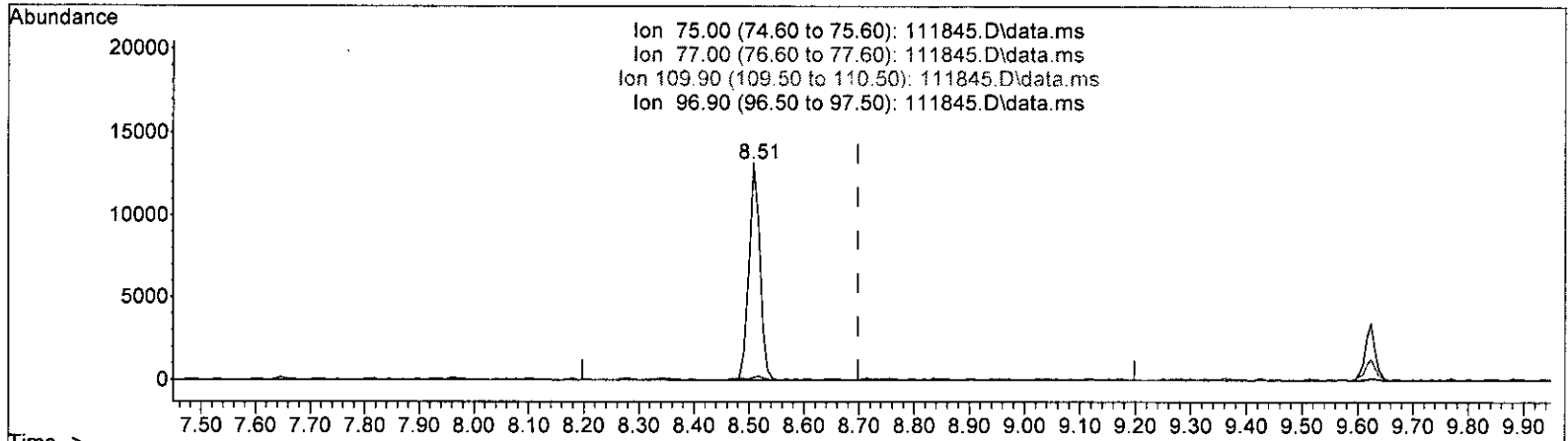
response 18058

Ion	Exp%	Act%
75.00	100.00	100.00
77.00	34.00	1.13#
109.90	36.50	0.00#
96.90	22.60	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111845.D
 Acq On : 19 Nov 2022 01:06 am
 Operator : LM
 Sample : 211237-01 1/0.25
 Misc : soil
 ALS Vial : 38 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:46:43 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 111845.D\data.ms

(62) 1,2,3-Trichloropropane (TMP)

8.508min (-0.190) 6.541 ppb

response	18058
Ion	Exp% Act%
75.00	100.00 100.00
77.00	34.00 1.13#
109.90	36.50 0.00#
96.90	22.60 0.00

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111845.D
 Acq On : 19 Nov 2022 01:06 am
 Operator : LM
 Sample : 211237-01 1/0.25
 Misc : soil
 ALS Vial : 38 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:46:43 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

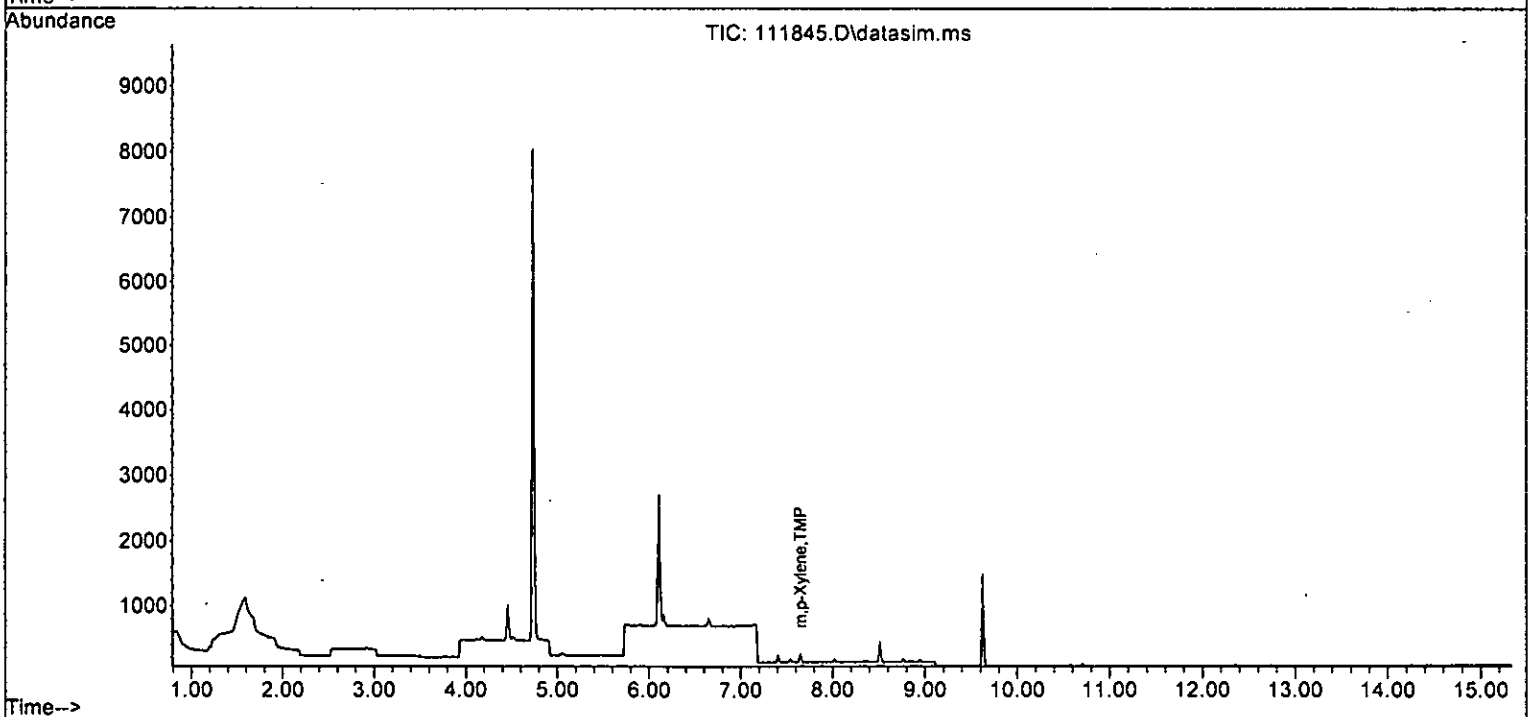
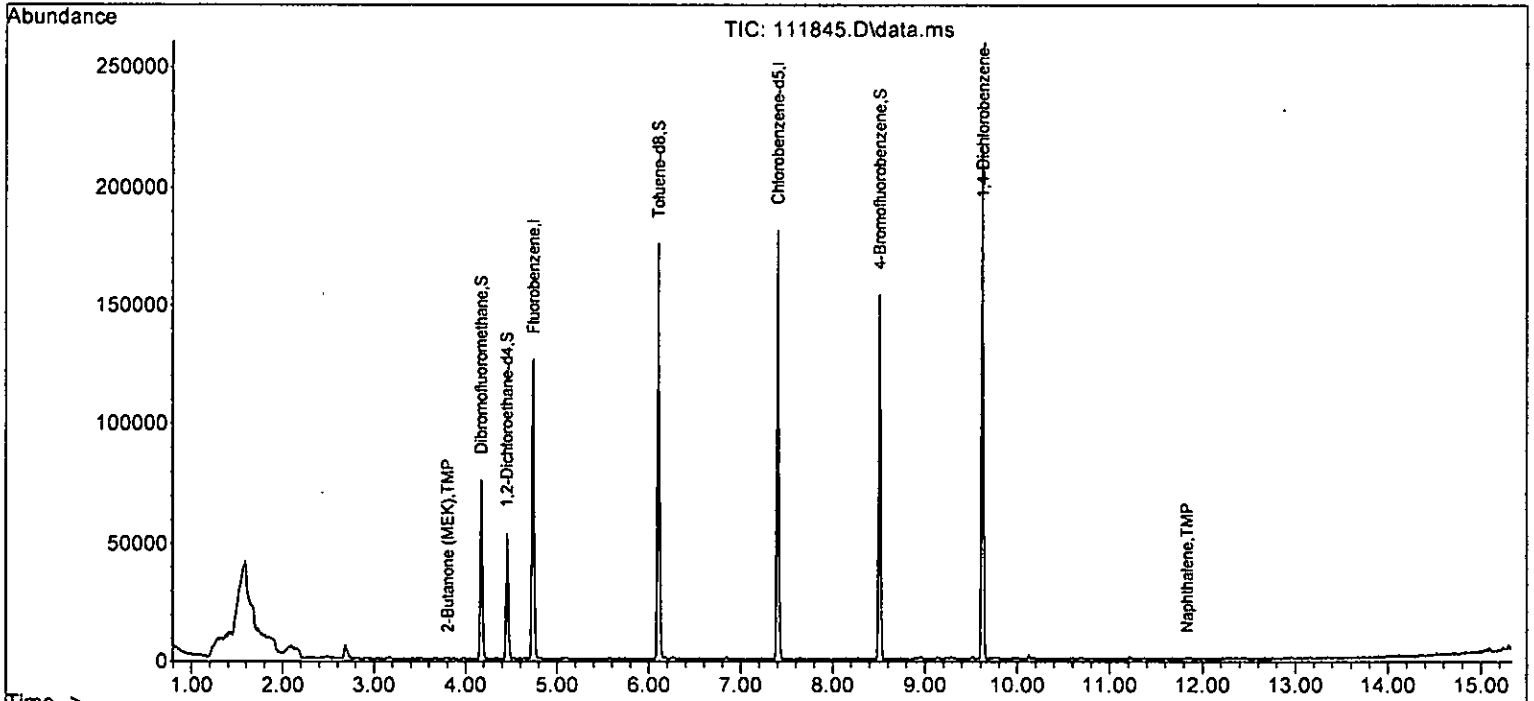
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

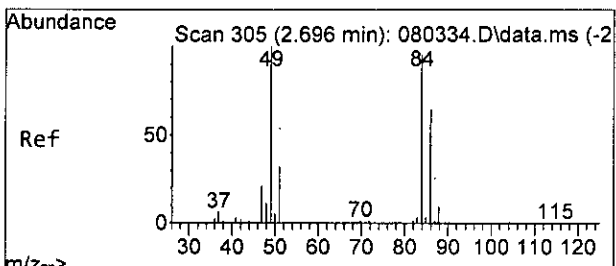
Internal Standards						
1) Fluorobenzene	4.75	96	102787	10.000	ppb	0.00
39) Chlorobenzene-d5	7.40	117	96113	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	56780	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.17	113	34184	10.371	ppb	0.00
Spiked Amount	10.000	Range	50 - 150	Recovery	=	103.70%
30) 1,2-Dichloroethane-d4	4.45	102	6264	9.806	ppb	0.00
Spiked Amount	10.000	Range	84 - 120	Recovery	=	98.10%
35) Toluene-d8	6.11	98	99005	10.099	ppb	0.00
Spiked Amount	10.000	Range	73 - 128	Recovery	=	101.00%
57) 4-Bromofluorobenzene	8.51	95	37319	9.539	ppb	0.00
Spiked Amount	10.000	Range	57 - 146	Recovery	=	95.40%
Target Compounds						
11) Acetone	2.34	58	128	Below Cal	#	6
14) Methylene chloride	2.68	84	3309	Below Cal		98
24) 2-Butanone (MEK)	3.81	43	554	0.173	ppb	50
26] 1,2-Dichloroethane (EDC)	4.53	62	77	Below Cal		96
40] Toluene	6.16	92	76	Below Cal		96
42] 1,1,2-Trichloroethane	6.53	83	23	Below Cal	#	45
45] Tetrachloroethene	6.65	164	43	Below Cal		98
51] m,p-Xylene	7.65	106	68	0.012	ppb	# 76
75) Naphthalene	11.83	128	116	0.089	ppb	69

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111845.D
 Acq On : 19 Nov 2022 01:06 am
 Operator : LM
 Sample : 211237-01 1/0.25
 Misc : soil
 ALS Vial : 38 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:46:43 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

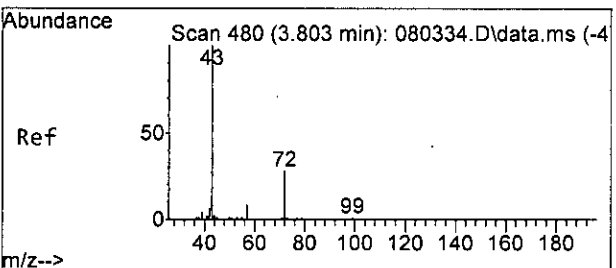
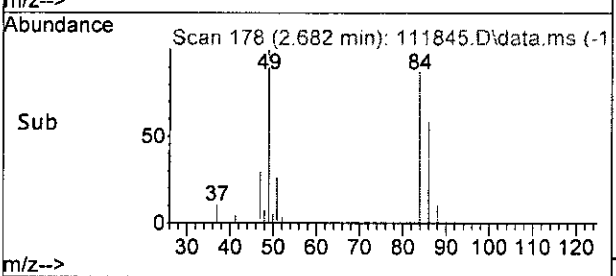
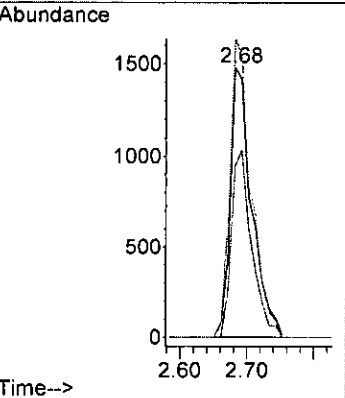
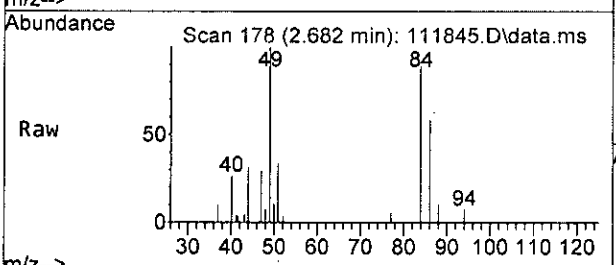




#14
 Methylene chloride
 Concen: Below Cal
 RT: 2.68 min Scan# 178
 Delta R.T. -0.000 min
 Lab File: 111845.D
 Acq: 19 Nov 2022 01:06 am

Tgt Ion: 84 Resp: 3309

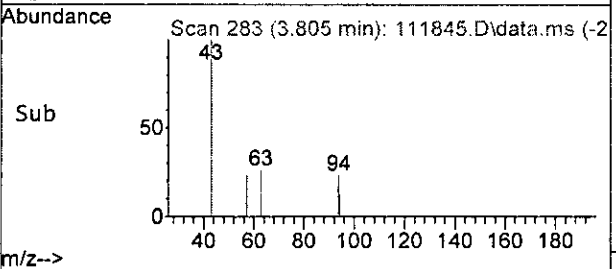
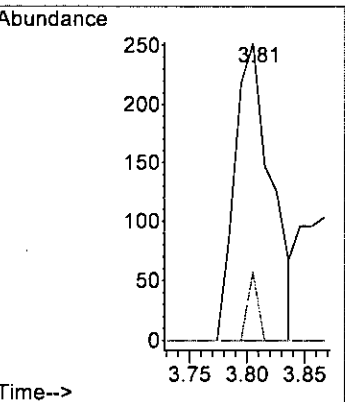
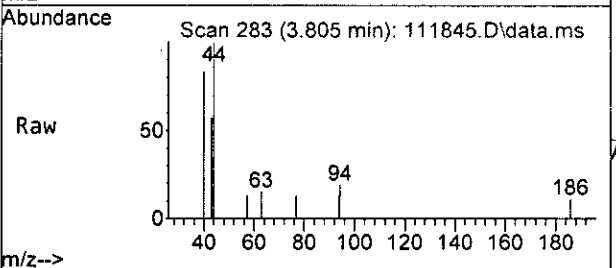
Ion	Ratio	Lower	Upper
84	100		
86	64.0	37.1	97.1
49	110.5	81.3	141.3

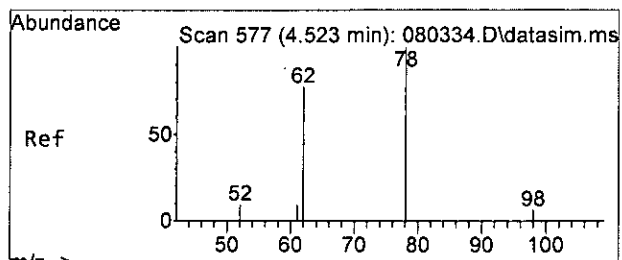


#24
 2-Butanone (MEK)
 Concen: 0.173 ppb
 RT: 3.81 min Scan# 283
 Delta R.T. 0.010 min
 Lab File: 111845.D
 Acq: 19 Nov 2022 01:06 am

Tgt Ion: 43 Resp: 554

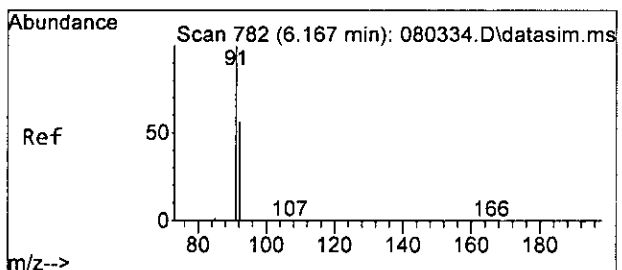
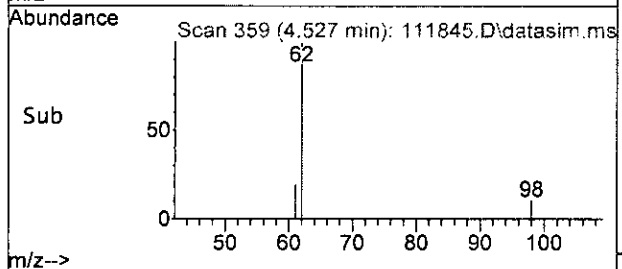
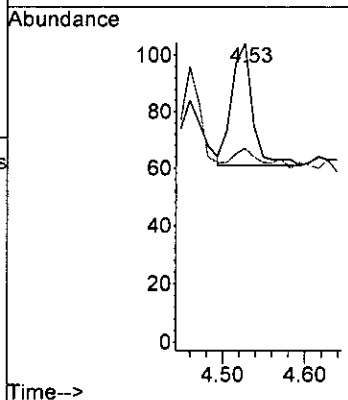
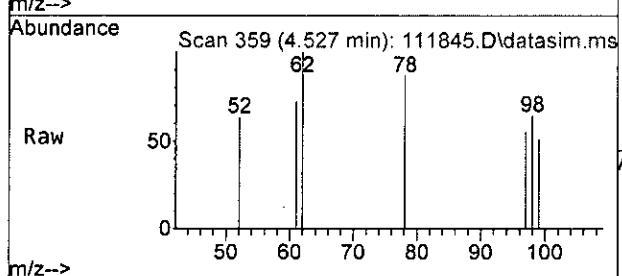
Ion	Ratio	Lower	Upper
43	100		
72	0.0	0.0	57.0
57	22.6	0.0	28.0





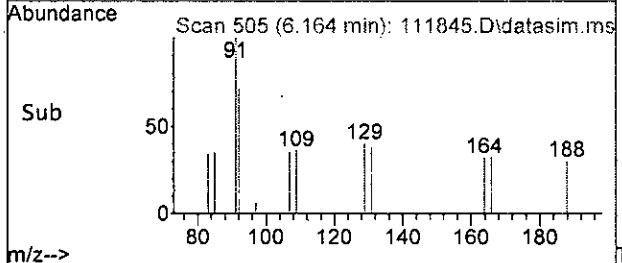
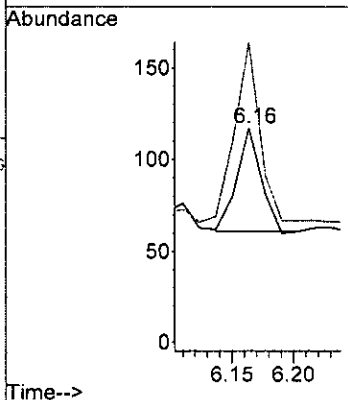
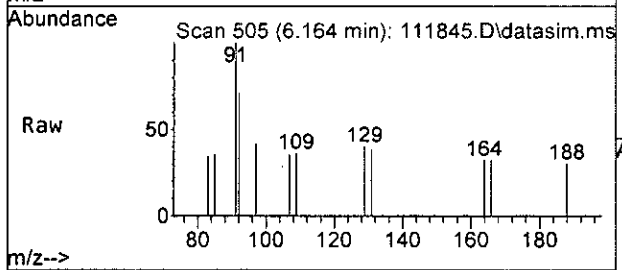
#26
 1,2-Dichloroethane (EDC)
 Concen: Below Cal
 RT: 4.53 min Scan# 359
 Delta R.T. -0.000 min
 Lab File: 111845.D
 Acq: 19 Nov 2022 01:06 am

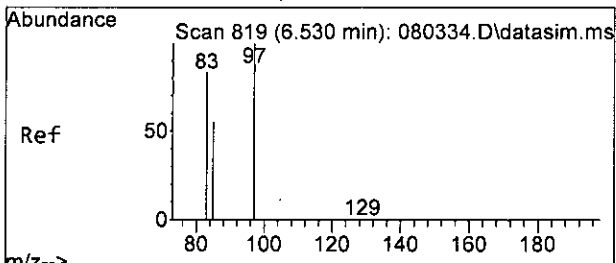
Tgt Ion: 62 Resp: 77
 Ion Ratio Lower Upper
 62 100
 98 11.6 0.0 40.1



#40
 Toluene
 Concen: Below Cal
 RT: 6.16 min Scan# 505
 Delta R.T. -0.000 min
 Lab File: 111845.D
 Acq: 19 Nov 2022 01:06 am

Tgt Ion: 92 Resp: 76
 Ion Ratio Lower Upper
 92 100
 91 173.2 148.5 208.5

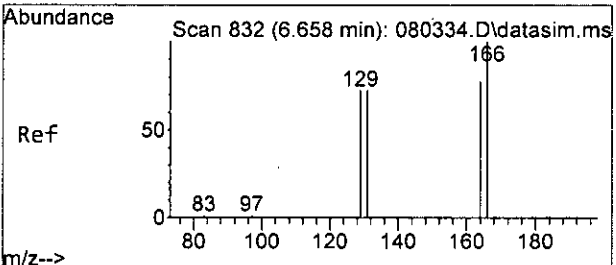
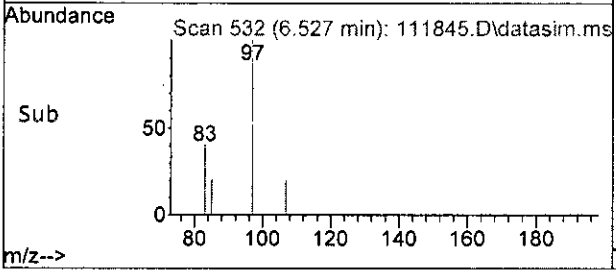
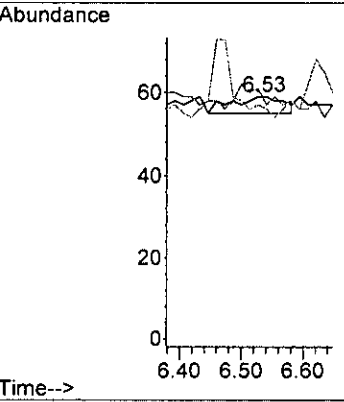
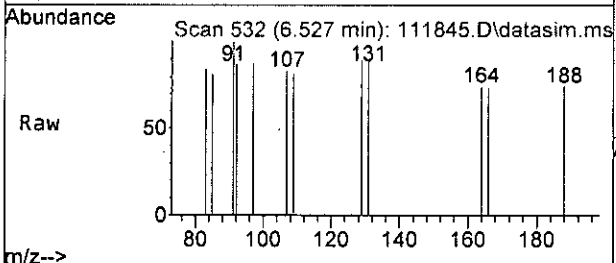




#42
 1,1,2-Trichloroethane
 Concen: Below Cal
 RT: 6.53 min Scan# 532
 Delta R.T. -0.000 min
 Lab File: 111845.D
 Acq: 19 Nov 2022 01:06 am

Tgt Ion: 83 Resp: 23

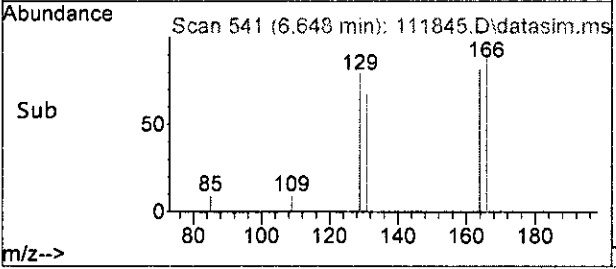
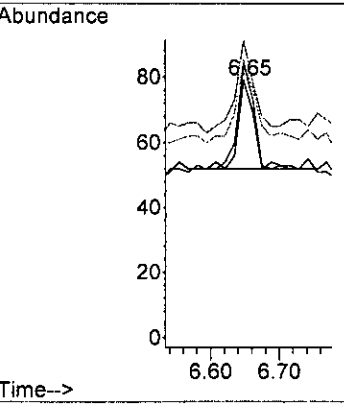
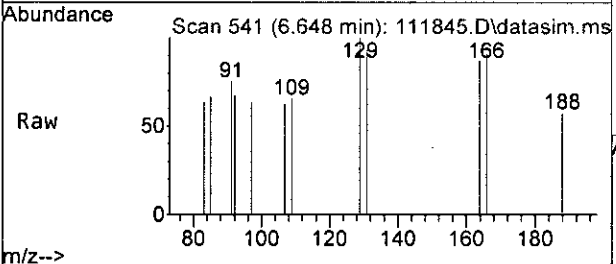
Ion	Ratio	Lower	Upper
83	100		
97	75.0	88.0	148.0#
85	0.0	35.3	95.3#

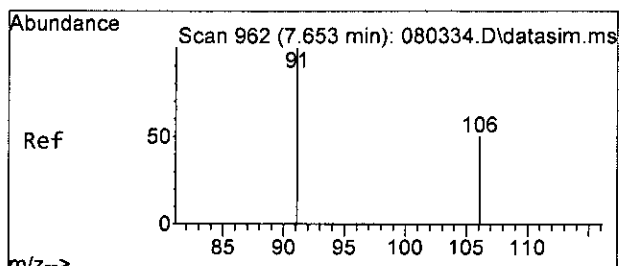


#45
 Tetrachloroethene
 Concen: Below Cal
 RT: 6.65 min Scan# 541
 Delta R.T. -0.000 min
 Lab File: 111845.D
 Acq: 19 Nov 2022 01:06 am

Tgt Ion: 164 Resp: 43

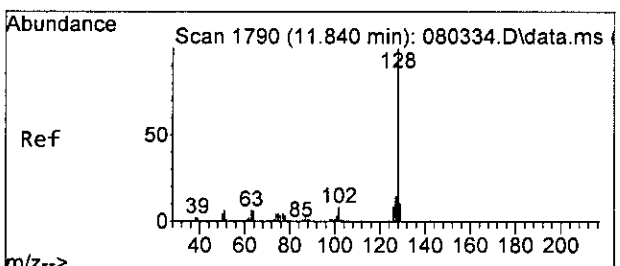
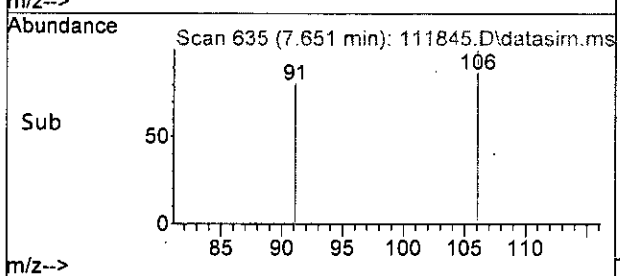
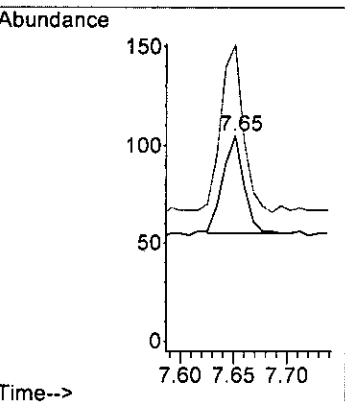
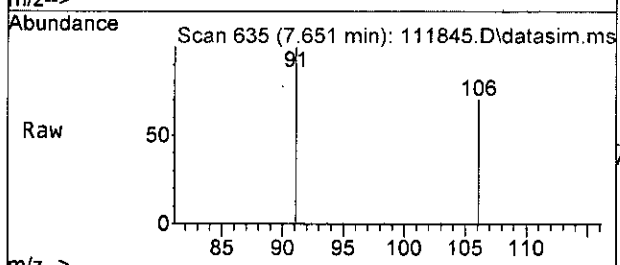
Ion	Ratio	Lower	Upper
164	100		
129	103.7	72.1	132.1
131	92.6	64.8	124.8
166	118.5	90.0	150.0





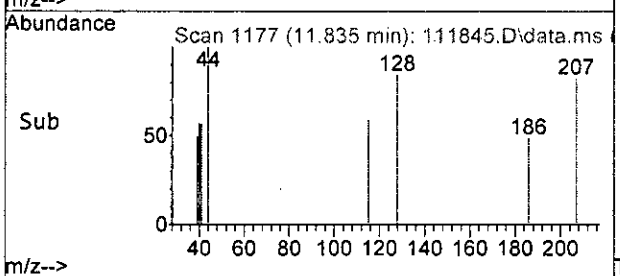
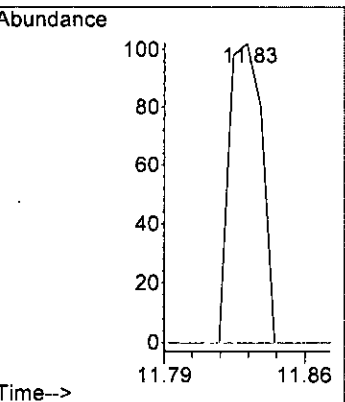
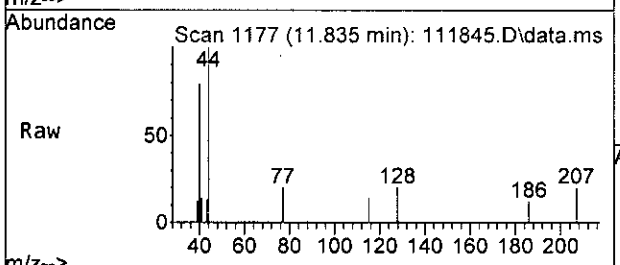
#51
 m,p-Xylene
 Concen: 0.012 ppb
 RT: 7.65 min Scan# 635
 Delta R.T. 0.000 min
 Lab File: 111845.D
 Acq: 19 Nov 2022 01:06 am

Tgt Ion: 106 Resp: 68
 Ion Ratio Lower Upper
 106 100
 91 168.0 175.7 235.7#



#75
 Naphthalene
 Concen: 0.089 ppb
 RT: 11.83 min Scan# 1177
 Delta R.T. -0.000 min
 Lab File: 111845.D
 Acq: 19 Nov 2022 01:06 am

Tgt Ion: 128 Resp: 116
 Ion Ratio Lower Upper
 128 100
 129 0.0 0.0 40.8
 127 0.0 0.0 43.1



Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111845.D
 Acq On : 19 Nov 2022 01:06 am
 Operator : LM
 Sample : 211237-01 1/0.25
 Misc : soil
 ALS Vial : 38 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:46:43 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	4.75	96	102787	10.000	ppb	0.00	
39) Chlorobenzene-d5	7.40	117	96113	10.000	ppb	0.00	
56) 1,4-Dichlorobenzene-d4	9.62	152	56780	10.000	ppb	0.00	
System Monitoring Compounds							
3) Dibromofluoromethane	4.17	113	34184	10.371	ppb	0.00	
Spiked Amount	10.000	Range	50 - 150	Recovery	=	103.70%	
30) 1,2-Dichloroethane-d4	4.45	102	6264	9.806	ppb	0.00	
Spiked Amount	10.000	Range	84 - 120	Recovery	=	98.10%	
35) Toluene-d8	6.11	98	99005	10.099	ppb	0.00	
Spiked Amount	10.000	Range	73 - 128	Recovery	=	101.00%	
57) 4-Bromofluorobenzene	8.51	95	37319	9.539	ppb	0.00	
Spiked Amount	10.000	Range	57 - 146	Recovery	=	95.40%	
Target Compounds							
2) Ethanol	2.31	45	246	No Calib			Qvalue
4) Dichlorodifluoromethane	0.00		0	N.D.			
5) Chloromethane	1.27	50	835	N.D.			
6) Vinyl chloride	0.00		0	N.D. d			
7) Bromomethane	0.00		0	N.D.			
8) Chloroethane	0.00		0	N.D.			
9) Trichlorofluoromethane	1.83	101	44	N.D.			
10) 2-Propanol	2.31	45	246	No Calib	#		
11) Acetone	2.34	58	128	Below Cal	#	6	
12) 1,1-Dichloroethene	0.00		0	N.D. d			
13) Hexane	3.16	57	165	N.D.			
14) Methylene chloride	2.68	84	3309	Below Cal		98	
15) t-Butyl alcohol (TBA)	0.00		0	N.D.			
16) Methyl t-butyl ether (...)	0.00		0	N.D.			
17) trans-1,2-Dichloroethene	0.00		0	N.D.			
18) Diisopropyl ether (DIPE)	0.00		0	N.D.			
19) 1,1-Dichloroethane	0.00		0	N.D.			
20) Ethyl t-butyl ether (E...)	0.00		0	N.D.			
21) 2,2-Dichloropropane	3.76	77	112	N.D.			
22) cis-1,2-Dichloroethene	0.00		0	N.D.			
23) Chloroform	0.00		0	N.D.			
24) 2-Butanone (MEK)	3.81	43	554	0.173	ppb	50	
25) t-Amyl methyl ether (T...)	0.00		0	N.D.			
26] 1,2-Dichloroethane (EDC)	4.53	62	77	Below Cal		96	
27) 1,1,1-Trichloroethane	0.00		0	N.D.			
28) 1,1-Dichloropropene	0.00		0	N.D.			
29) Carbon tetrachloride	0.00		0	N.D.			
31) Benzene	0.00		0	N.D.			
32) Trichloroethene	0.00		0	N.D. d			
33) 1,2-Dichloropropane	0.00		0	N.D.			
34) Bromodichloromethane	0.00		0	N.D.			
36) Dibromomethane	0.00		0	N.D.			

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111845.D
 Acq On : 19 Nov 2022 01:06 am
 Operator : LM
 Sample : 211237-01 1/0.25
 Misc : soil
 ALS Vial : 38 Sample Multiplier: 1
 InstName : GCMS13

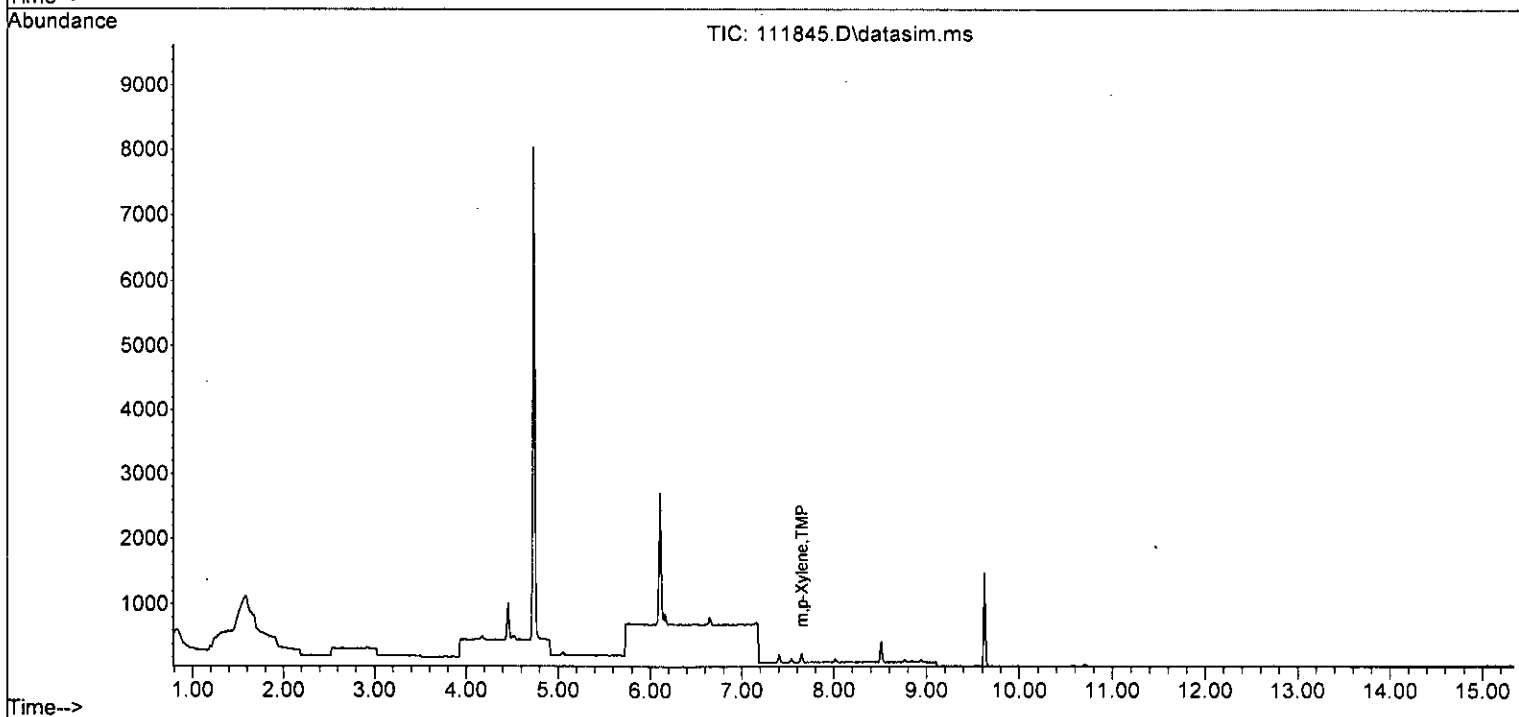
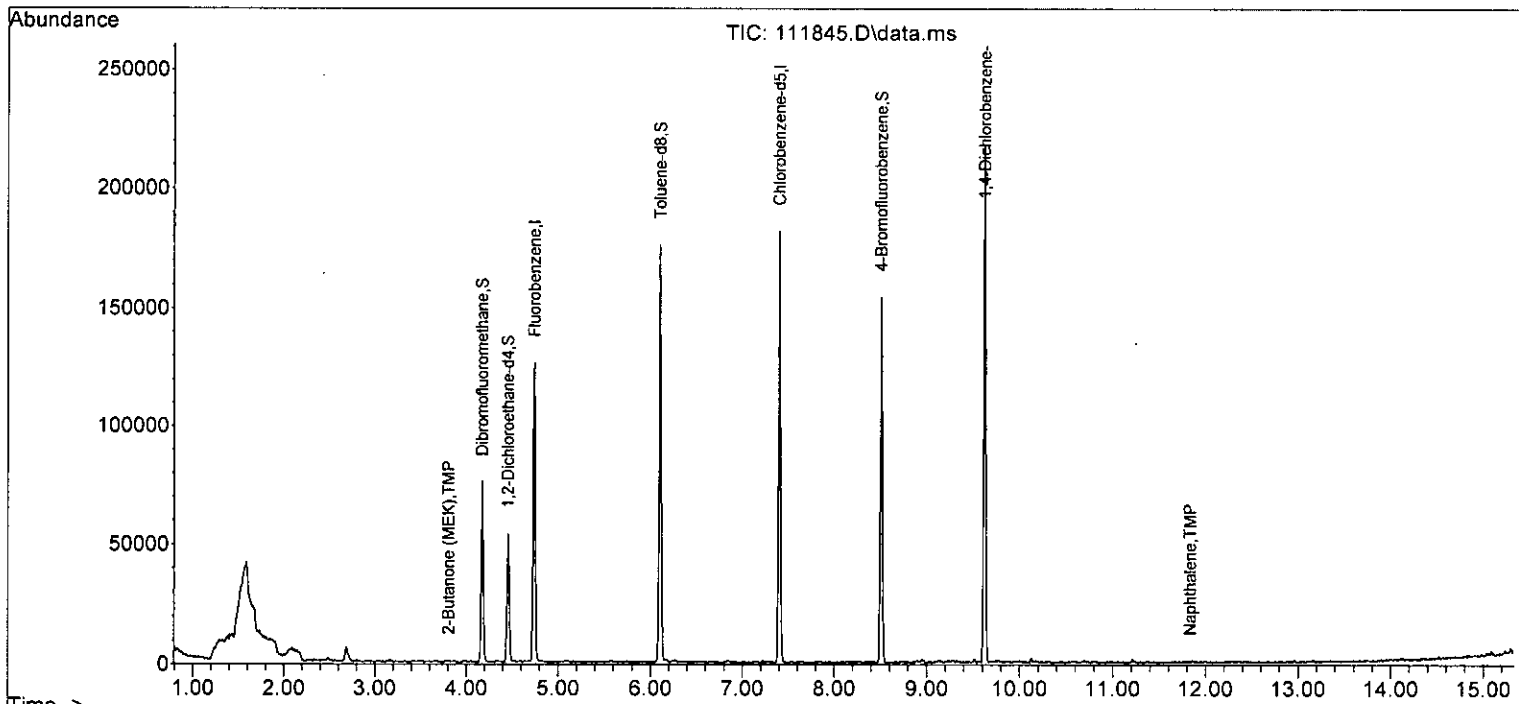
Quant Time: Nov 21 09:46:43 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.00		0		N.D.	
38) cis-1,3-Dichloropropene	0.00		0		N.D.	
40] Toluene	6.16	92	76		Below Cal	96
41) trans-1,3-Dichloropropene	0.00		0		N.D. d	
42] 1,1,2-Trichloroethane	6.53	83	23		Below Cal #	45
43) 2-Hexanone	0.00		0		N.D. d	
44) 1,3-Dichloropropane	0.00		0		N.D.	
45] Tetrachloroethene	6.65	164	43		Below Cal	98
46) Dibromochloromethane	0.00		0		N.D.	
47) 1,2-Dibromoethane (EDB)	0.00		0		N.D.	
48) Chlorobenzene	0.00		0		N.D.	
49) Ethylbenzene	7.54	91	58		N.D.	
50) 1,1,1,2-Tetrachloroethane	0.00		0		N.D.	
51] m,p-Xylene	7.65	106	68	0.012	ppb #	76
52) o-Xylene	8.02	106	23		N.D.	
53) Styrene	0.00		0		N.D.	
54) Isopropylbenzene	8.37	105	200		N.D.	
55) Bromoform	0.00		0		N.D.	
58) n-Propylbenzene	8.77	91	177		N.D.	
59) Bromobenzene	0.00		0		N.D.	
60) 1,3,5-Trimethylbenzene	8.94	105	190		N.D.	
61) 1,1,2,2-Tetrachloroethane	0.00		0		N.D.	
62) 1,2,3-Trichloropropane	0.00		0		N.D. d	
63) 2-Chlorotoluene	8.86	91	31		N.D.	
64) 4-Chlorotoluene	8.86	91	31		N.D.	
65) tert-Butylbenzene	0.00		0		N.D.	
66) 1,2,4-Trimethylbenzene	9.30	105	207		N.D.	
67) sec-Butylbenzene	9.46	105	52		N.D.	
68) p-Isopropyltoluene	9.60	119	71		N.D.	
69) 1,3-Dichlorobenzene	0.00		0		N.D.	
70) 1,4-Dichlorobenzene	0.00		0		N.D.	
71) 1,2-Dichlorobenzene	0.00		0		N.D.	
72) 1,2-Dibromo-3-chloropr...	0.00		0		N.D.	
73) 1,2,4-Trichlorobenzene	0.00		0		N.D.	
74) Hexachlorobutadiene	0.00		0		N.D.	
75) Naphthalene	11.83	128	116	0.089	ppb	69
76) 1,2,3-Trichlorobenzene	0.00		0		N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111845.D
 Acq On : 19 Nov 2022 01:06 am
 Operator : LM
 Sample : 211237-01 1/0.25
 Misc : soil
 ALS Vial : 38 Sample Multiplier: 1
 InstName : GCMS13

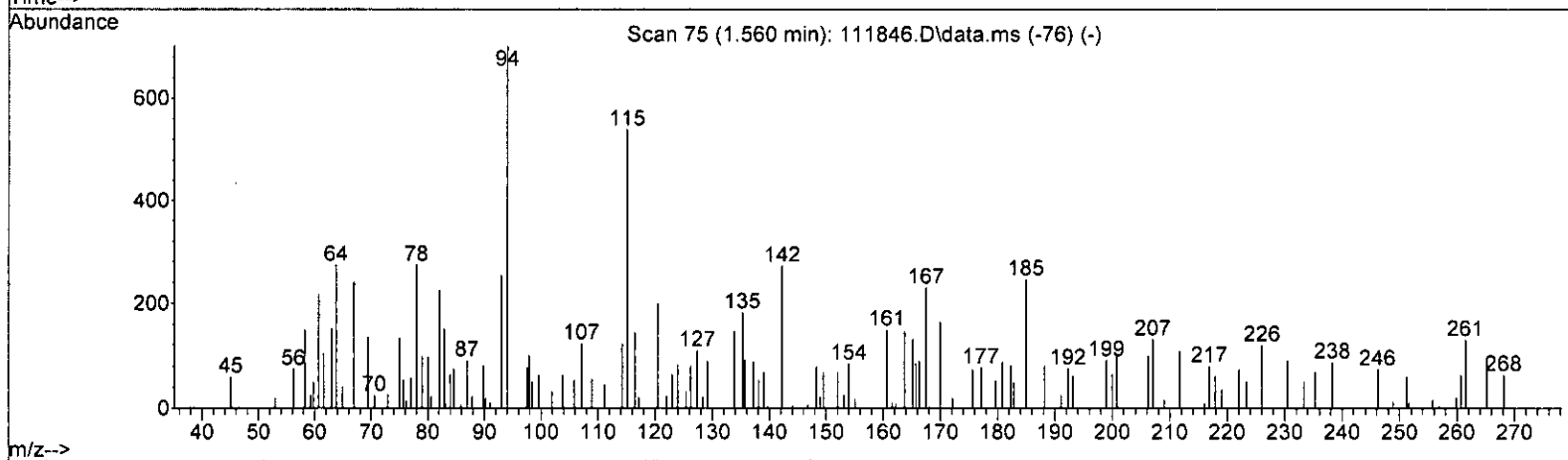
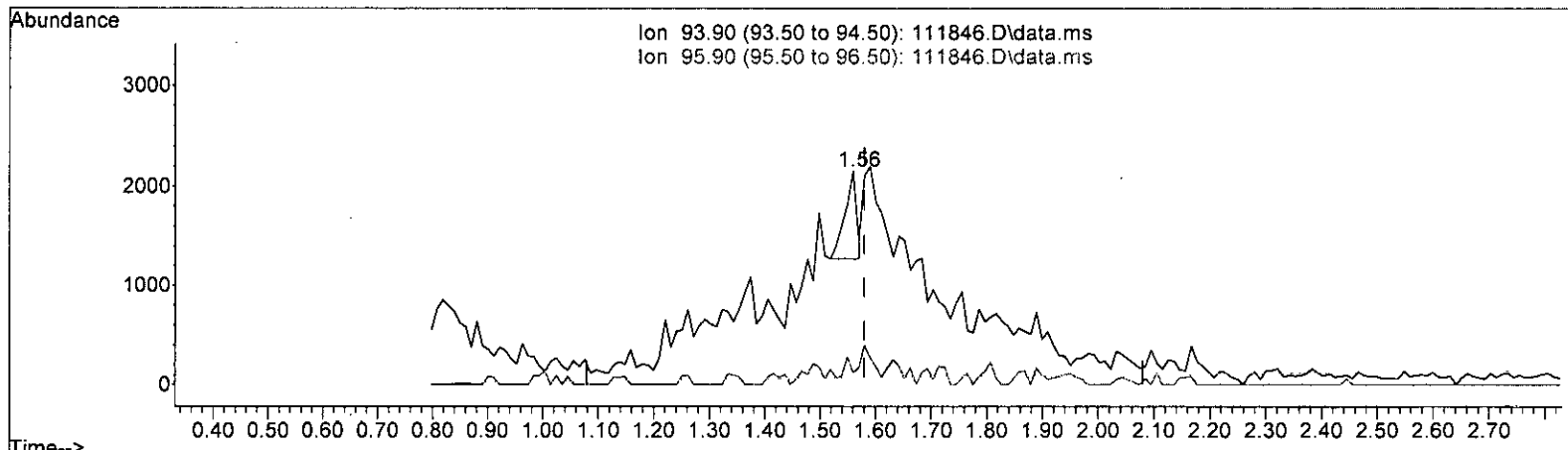
Quant Time: Nov 21 09:46:43 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111846.D
 Acq On : 19 Nov 2022 01:29 am
 Operator : LM
 Sample : 211237-02 1/0.25
 Misc : soil
 ALS Vial : 39 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:46:47 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



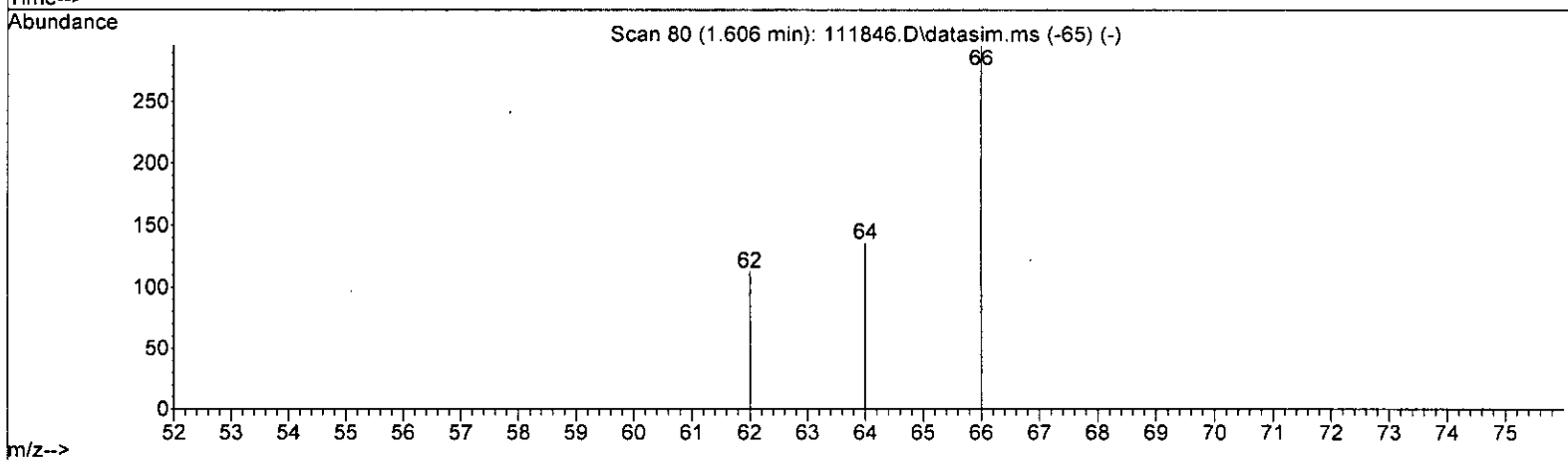
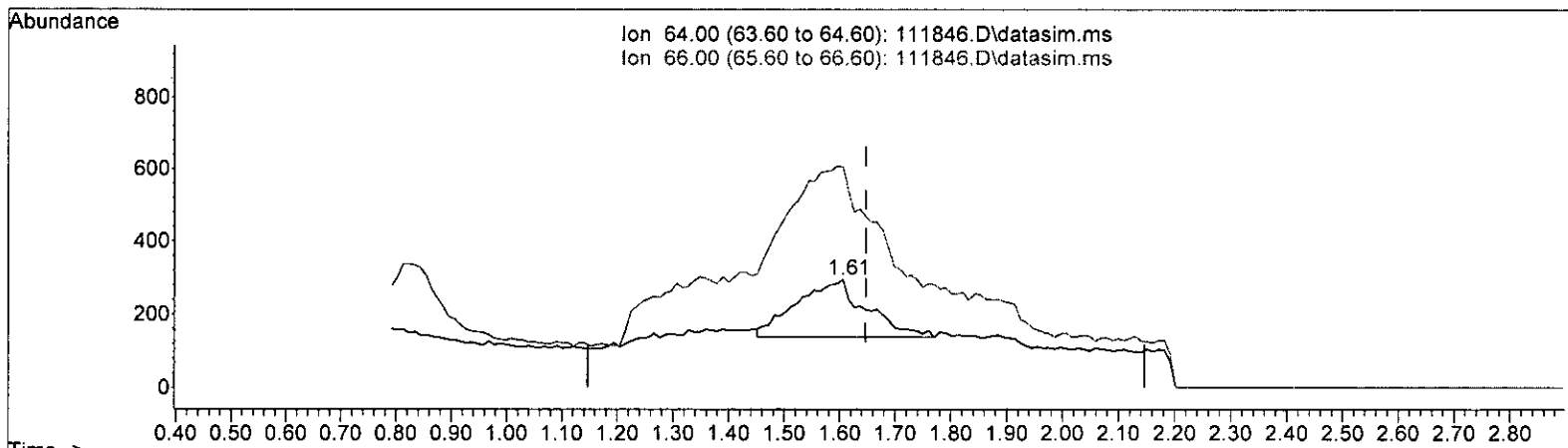
TIC: 111846.D\data.ms

(7) Bromomethane (TMP)		
response	Exp%	Act%
1.560min (-0.020) 0.291 ppb		
1279		
Ion	Exp%	Act%
93.90	100.00	100.00
95.90	93.50	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111846.D
 Acq On : 19 Nov 2022 01:29 am
 Operator : LM
 Sample : 211237-02 1/0.25
 Misc : soil
 ALS Vial : 39 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:46:47 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



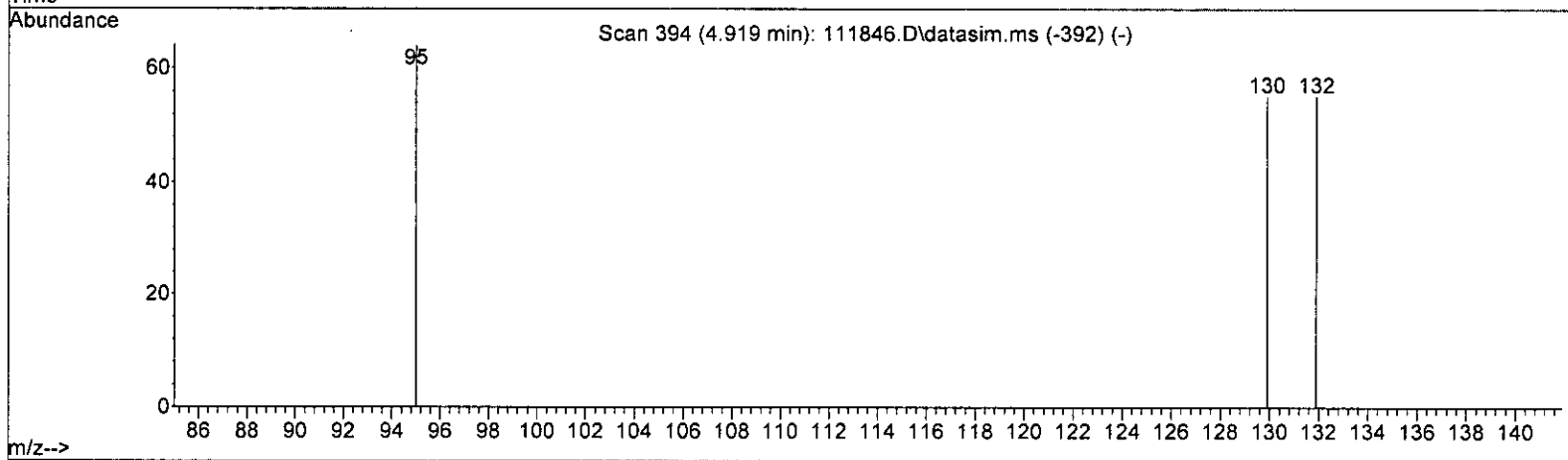
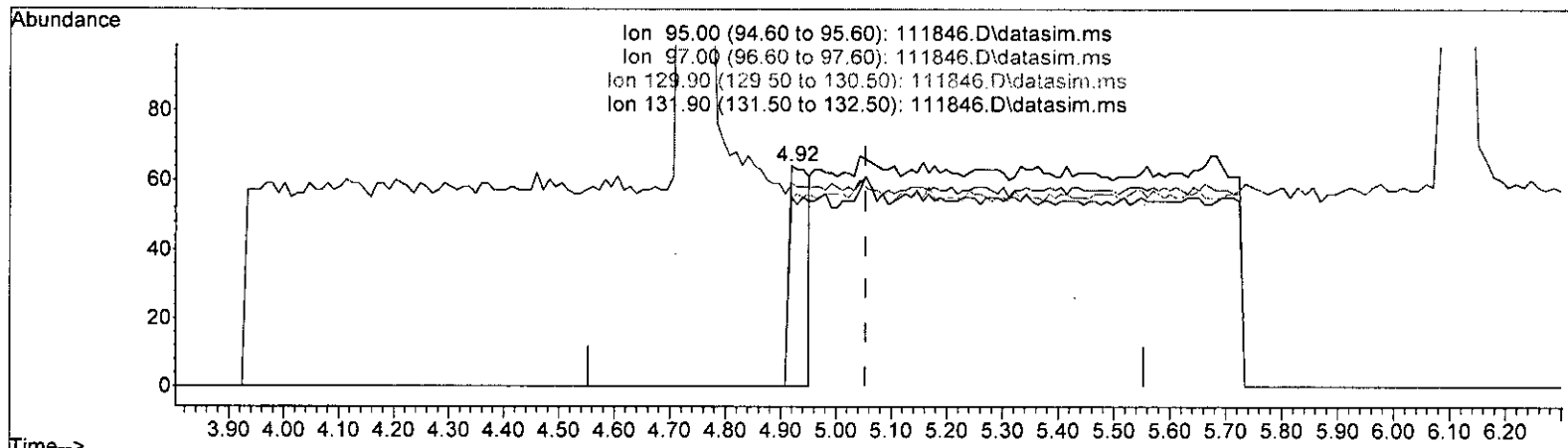
TIC: 111846.D\data.ms

(8) Chloroethane (TMP)			
1.606min	(-0.041)	0.583	ppb
response	1356		
Ion	Exp%	Act%	
64.00	100.00	100.00	
66.00	30.90	206.37#	
0.00	0.00	0.00	
0.00	0.00	0.00	

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111846.D
 Acq On : 19 Nov 2022 01:29 am
 Operator : LM
 Sample : 211237-02 1/0.25
 Misc : soil
 ALS Vial : 39 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:46:47 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 111846.D\data.ms

(32) Trichloroethene (TME)

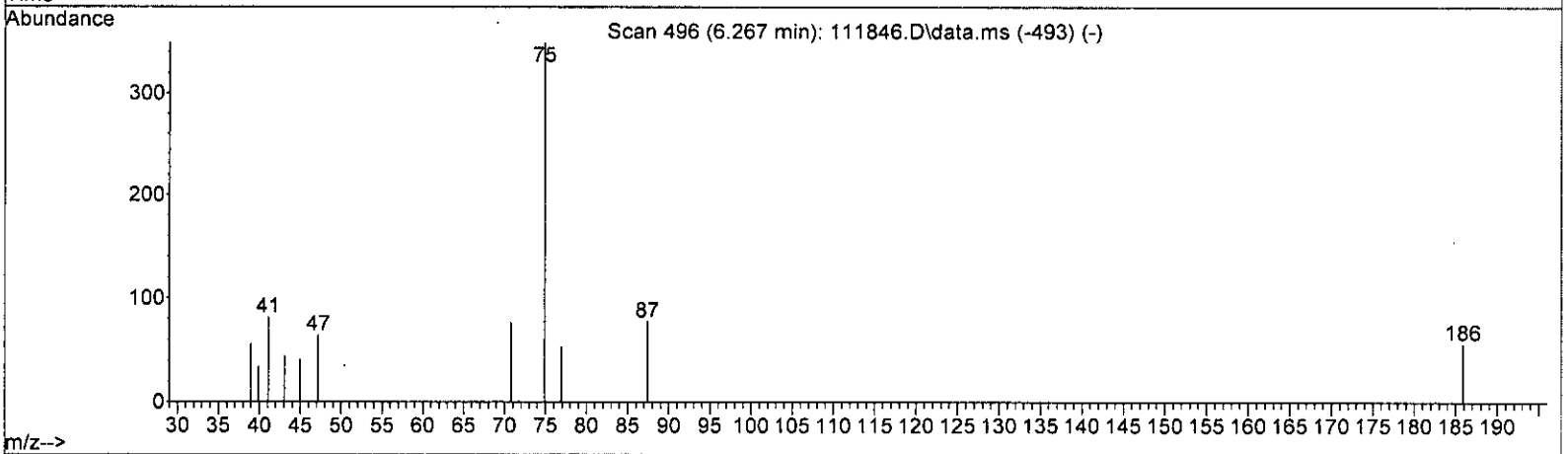
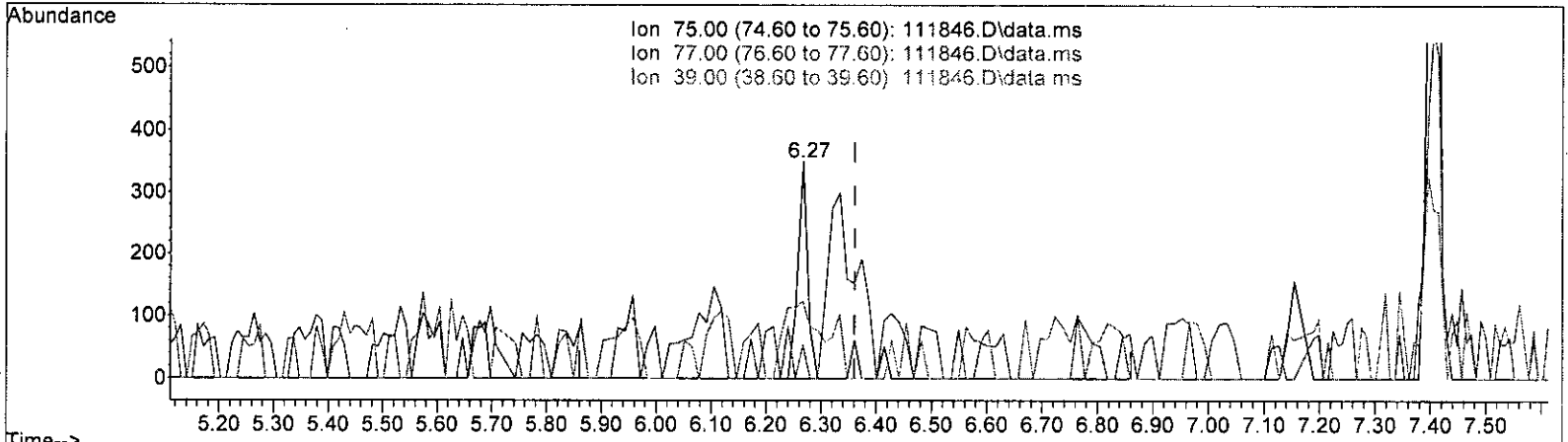
4.919min (-0.134) 0.043 ppb

response	161	
Ion	Exp%	Act%
95.00	100.00	100.00
97.00	64.60	1.56#
129.90	103.40	85.94
131.90	95.80	85.94

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111846.D
 Acq On : 19 Nov 2022 01:29 am
 Operator : LM
 Sample : 211237-02 1/0.25
 Misc : soil
 ALS Vial : 39 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:46:47 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 111846.D\data.ms

(41) trans-1,3-Dichloropropene (TMP)

6.267min (-0.094) 0.133 ppb

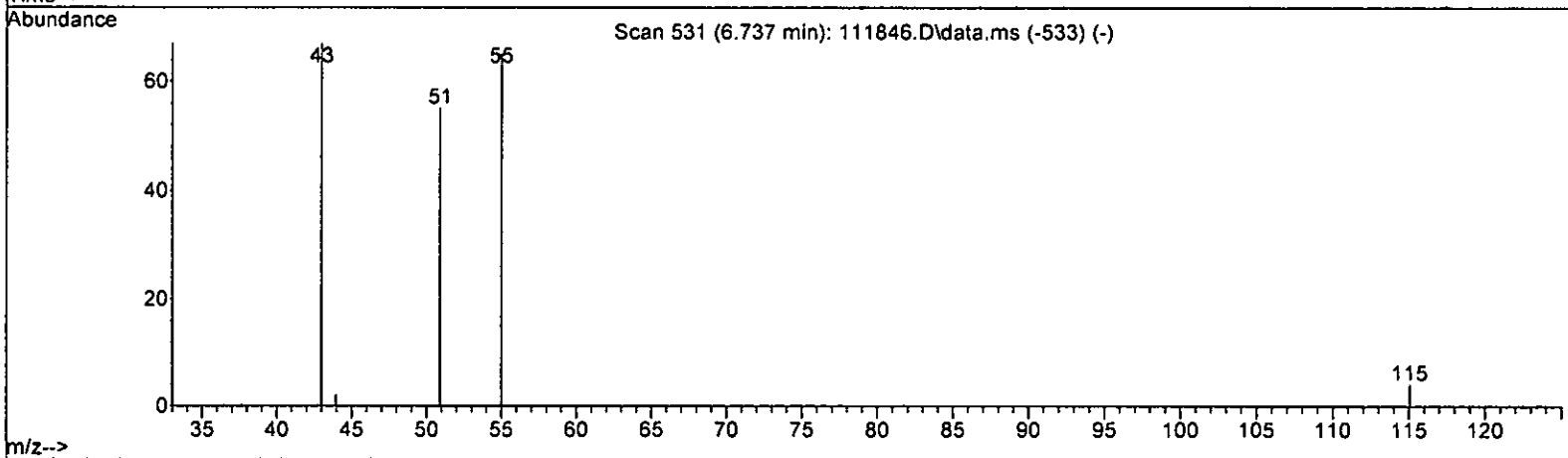
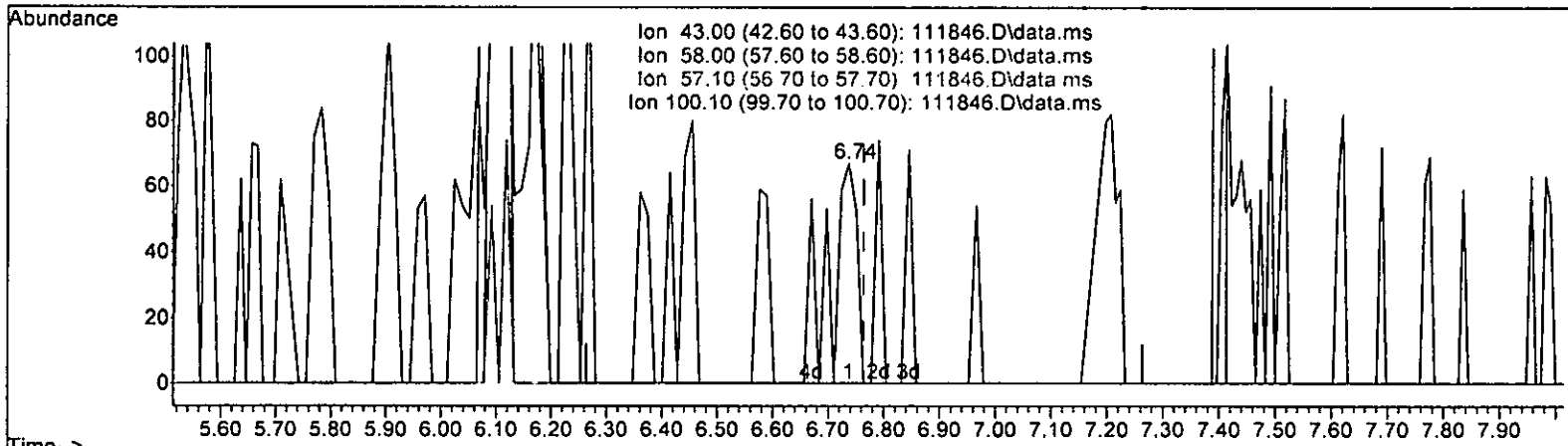
response 428

Ion	Exp%	Act%
75.00	100.00	100.00
77.00	32.60	15.19
39.00	46.30	18.62
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111846.D
 Acq On : 19 Nov 2022 01:29 am
 Operator : LM
 Sample : 211237-02 1/0.25
 Misc : soil
 ALS Vial : 39 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:46:47 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



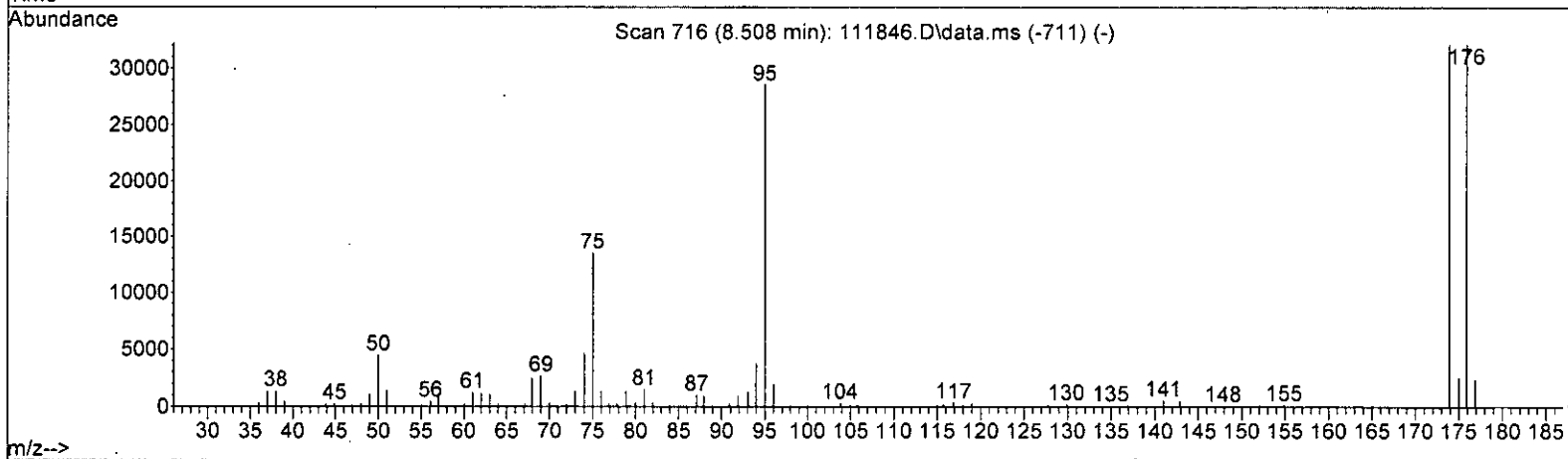
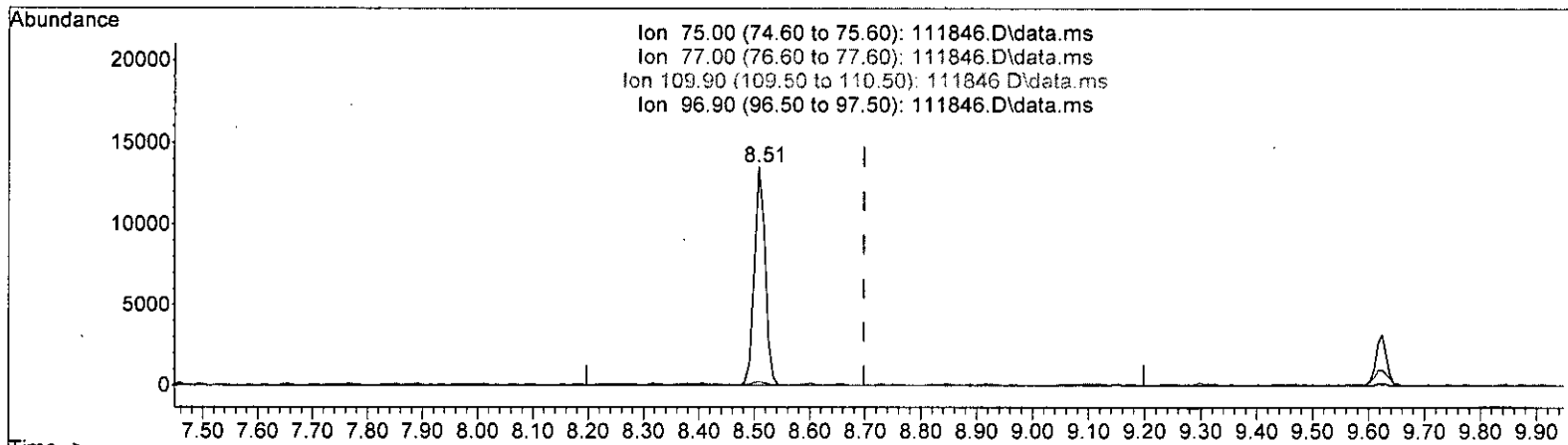
TIC: 111846.D\data.ms

(43) 2-Hexanone (TMP)		
6.737min (-0.027) 0.103 ppb		
response	186	
Ion	Exp%	Act%
43.00	100.00	100.00
58.00	51.50	0.00#
57.10	16.30	0.00
100.10	10.20	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111846.D
 Acq On : 19 Nov 2022 01:29 am
 Operator : LM
 Sample : 211237-02 1/0.25
 Misc : soil
 ALS Vial : 39 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:46:47 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 111846.D\data.ms

(62) 1,2,3-Trichloropropane (TMP)

8.508min (-0.190) 6.528 ppb

response	18247
Ion	Exp% Act%
75.00	100.00 100.00
77.00	34.00 1.77#
109.90	36.50 0.00#
96.90	22.60 0.00

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111846.D
 Acq On : 19 Nov 2022 01:29 am
 Operator : LM
 Sample : 211237-02 1/0.25
 Misc : soil
 ALS Vial : 39 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:46:47 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

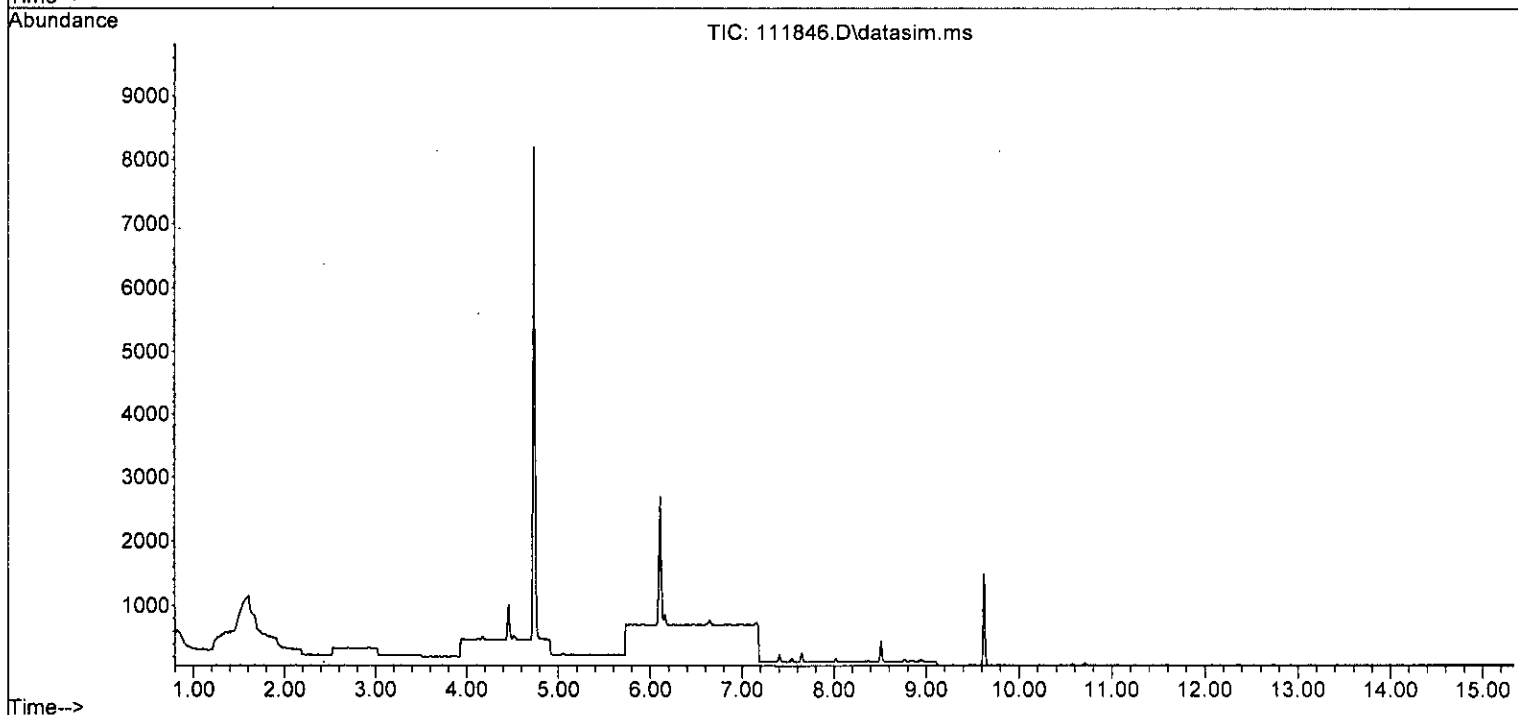
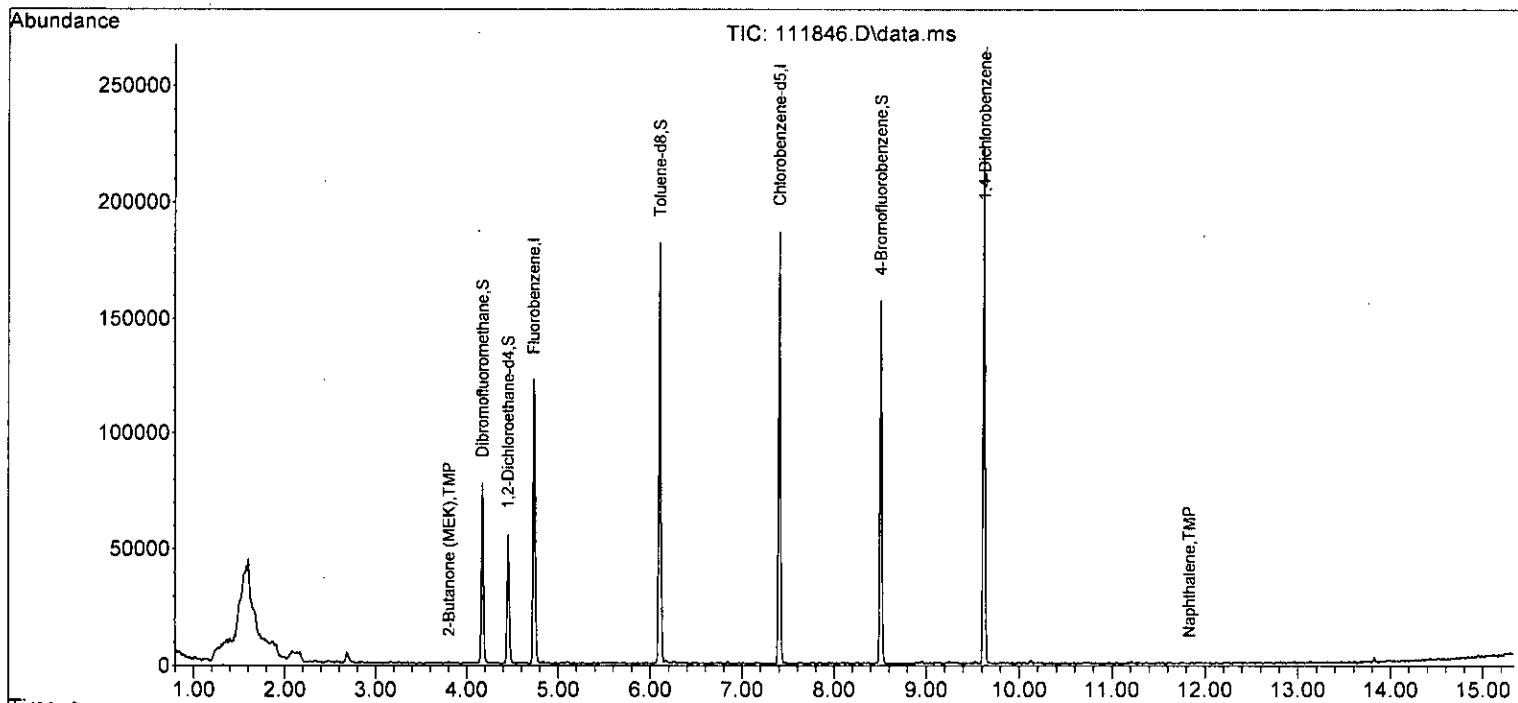
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

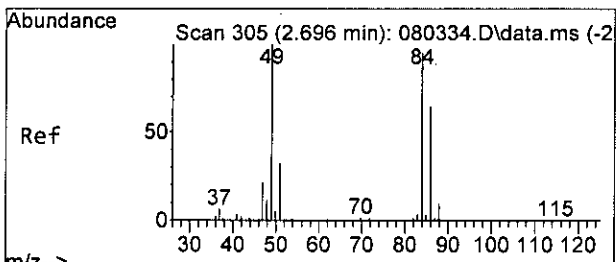
Internal Standards						
1) Fluorobenzene	4.73	96	101735	10.000	ppb	-0.01
39) Chlorobenzene-d5	7.41	117	95597	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	57487	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.18	113	34470	10.565	ppb	0.00
Spiked Amount	10.000	Range 50 - 150	Recovery	=	105.70%	
30) 1,2-Dichloroethane-d4	4.45	102	6538	10.341	ppb	0.00
Spiked Amount	10.000	Range 84 - 120	Recovery	=	103.40%	
35) Toluene-d8	6.11	98	99026	10.206	ppb	0.00
Spiked Amount	10.000	Range 73 - 128	Recovery	=	102.10%	
57) 4-Bromofluorobenzene	8.51	95	38980	9.841	ppb	0.00
Spiked Amount	10.000	Range 57 - 146	Recovery	=	98.40%	
Target Compounds						
11) Acetone	2.34	58	38	Below Cal	#	1
14) Methylene chloride	2.68	84	2604	Below Cal		83
24) 2-Butanone (MEK)	3.81	43	627	0.236	ppb	83
26] 1,2-Dichloroethane (EDC)	4.52	62	78	Below Cal		84
40] Toluene	6.16	92	81	Below Cal		89
45] Tetrachloroethene	6.65	164	30	Below Cal		86
75) Naphthalene	11.83	128	218	0.099	ppb	69

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS13\11-18-22\
Data File : 111846.D
Acq On : 19 Nov 2022 01:29 am
Operator : LM
Sample : 211237-02 1/0.25
Misc : soil
ALS Vial : 39 Sample Multiplier: 1
InstName : GCMS13

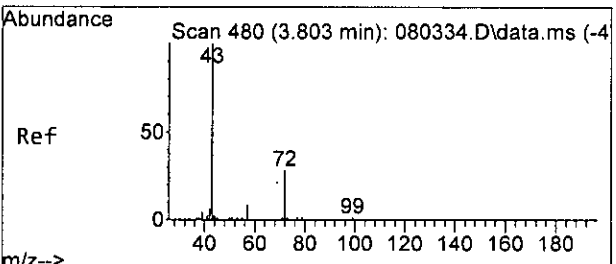
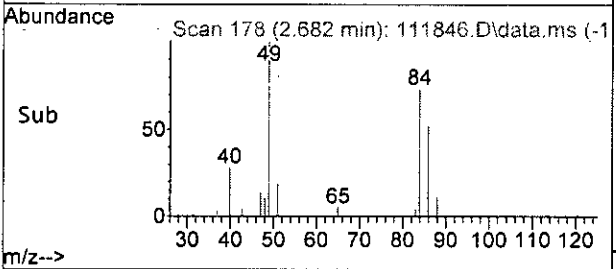
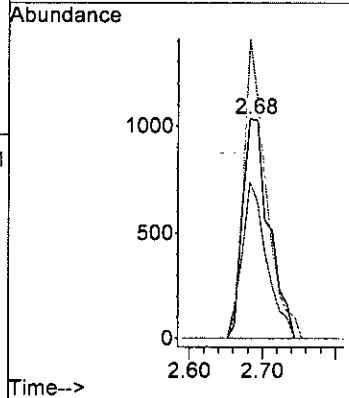
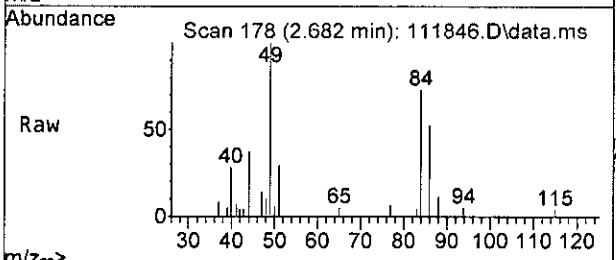
Quant Time: Nov 21 09:46:47 2022
Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
QLast Update : Mon Nov 07 15:16:10 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M





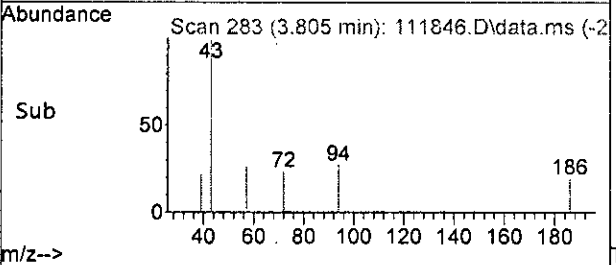
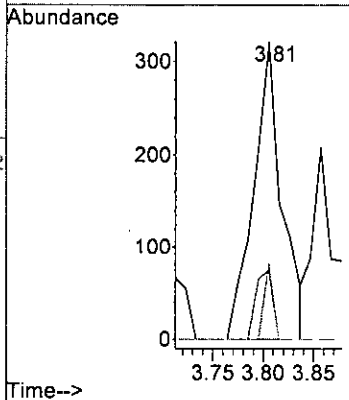
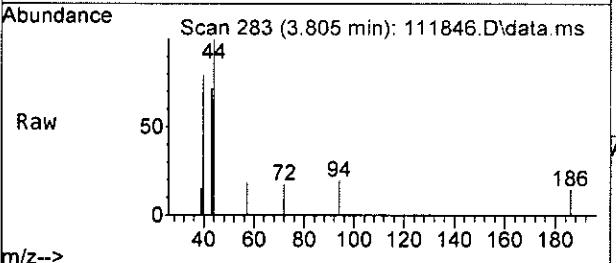
#14
 Methylene chloride
 Concen: Below Cal
 RT: 2.68 min Scan# 178
 Delta R.T. 0.000 min
 Lab File: 111846.D
 Acq: 19 Nov 2022 01:29 am

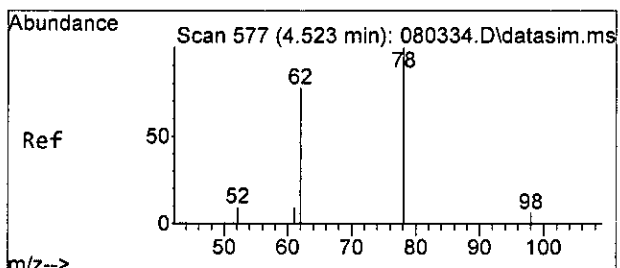
Tgt Ion: 84 Resp: 2604
 Ion Ratio Lower Upper
 84 100
 86 71.5 37.1 97.1
 49 136.3 81.3 141.3



#24
 2-Butanone (MEK)
 Concen: 0.236 ppb
 RT: 3.81 min Scan# 283
 Delta R.T. 0.010 min
 Lab File: 111846.D
 Acq: 19 Nov 2022 01:29 am

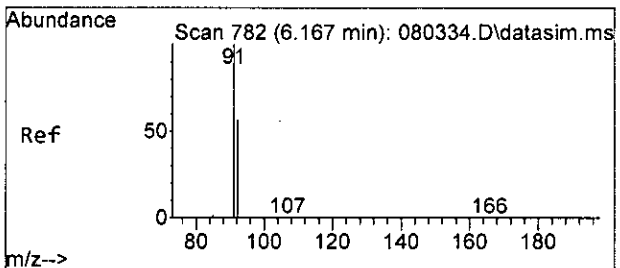
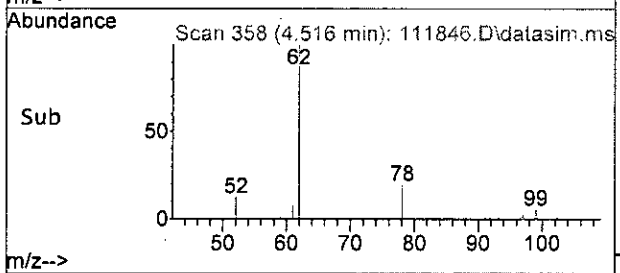
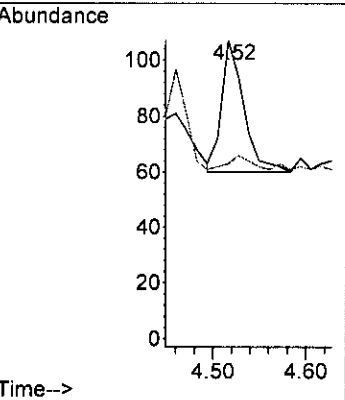
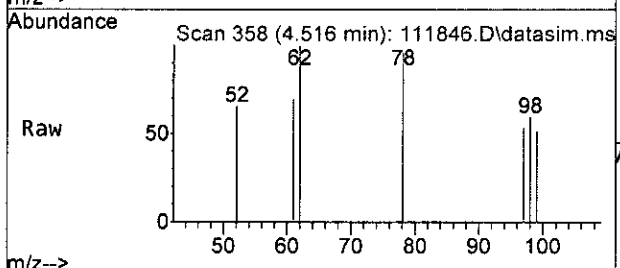
Tgt Ion: 43 Resp: 627
 Ion Ratio Lower Upper
 43 100
 72 23.4 0.0 57.0
 57 25.5 0.0 28.0





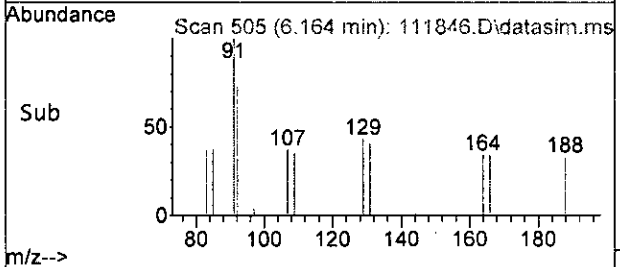
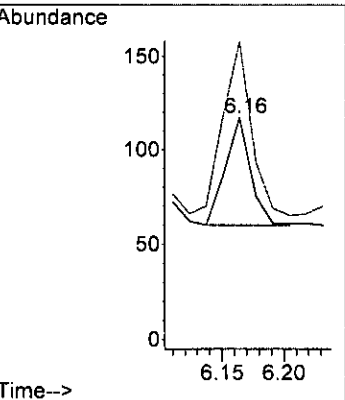
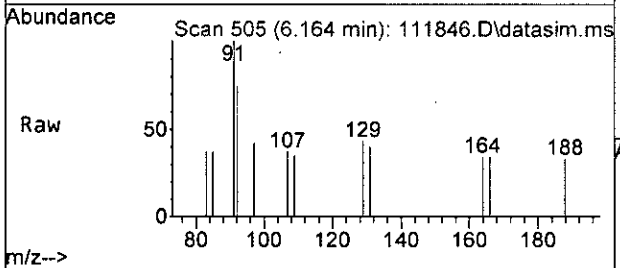
#26
 1,2-Dichloroethane (EDC)
 Concen: Below Cal
 RT: 4.52 min Scan# 358
 Delta R.T. -0.011 min
 Lab File: 111846.D
 Acq: 19 Nov 2022 01:29 am

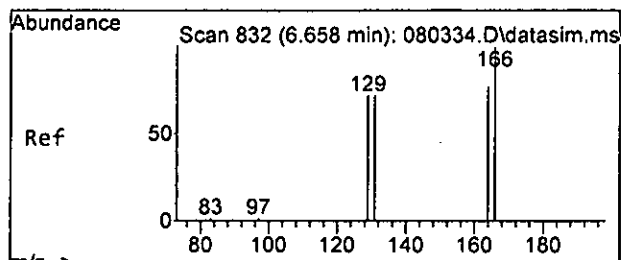
Tgt Ion: 62 Resp: 78
 Ion Ratio Lower Upper
 62 100
 98 4.3 0.0 40.1



#40
 Toluene
 Concen: Below Cal
 RT: 6.16 min Scan# 505
 Delta R.T. 0.000 min
 Lab File: 111846.D
 Acq: 19 Nov 2022 01:29 am

Tgt Ion: 92 Resp: 81
 Ion Ratio Lower Upper
 92 100
 91 163.2 148.5 208.5

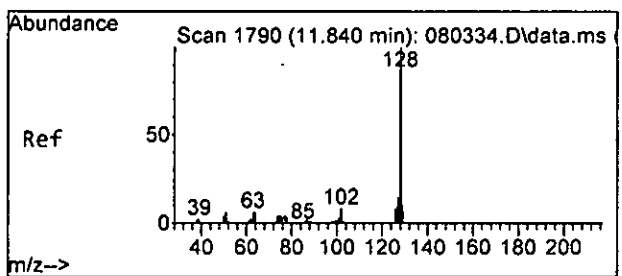
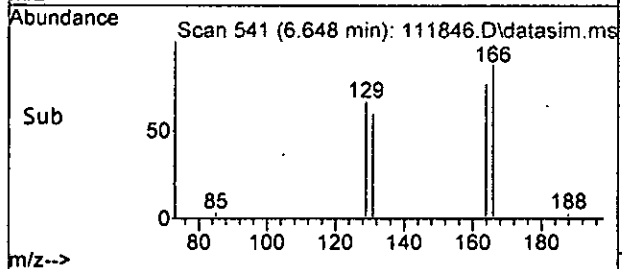
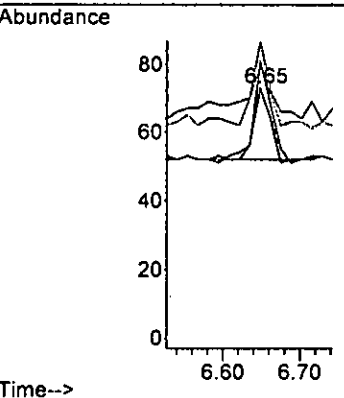
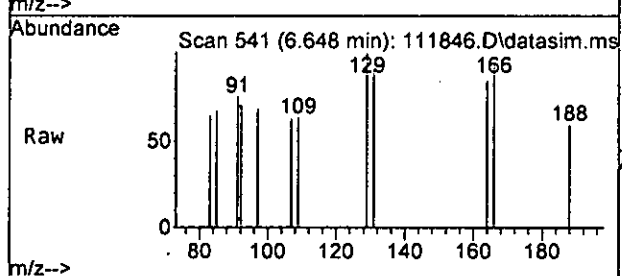




#45
 Tetrachloroethene
 Concen: Below Cal
 RT: 6.65 min Scan# 541
 Delta R.T. 0.000 min
 Lab File: 111846.D
 Acq: 19 Nov 2022 01:29 am

Tgt Ion:164 Resp: 30

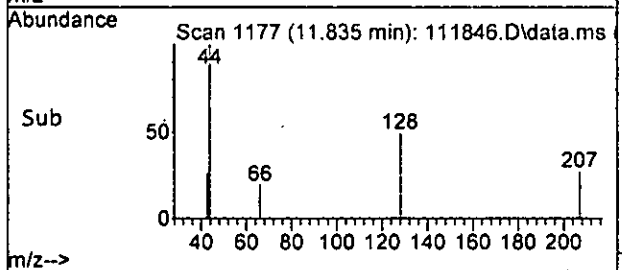
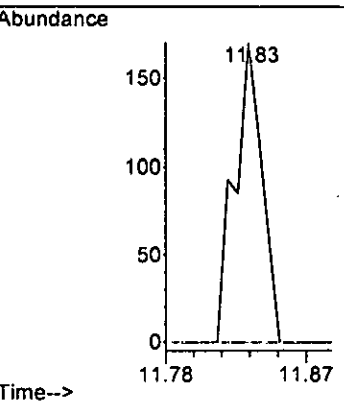
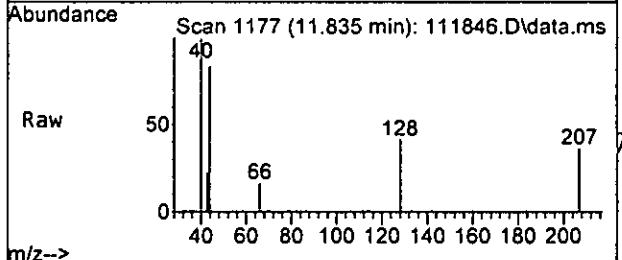
Ion	Ratio	Lower	Upper
164	100		
129	100.0	72.1	132.1
131	76.2	64.8	124.8
166	142.9	90.0	150.0



#75
 Naphthalene
 Concen: 0.099 ppb
 RT: 11.83 min Scan# 1177
 Delta R.T. -0.000 min
 Lab File: 111846.D
 Acq: 19 Nov 2022 01:29 am

Tgt Ion:128 Resp: 218

Ion	Ratio	Lower	Upper
128	100		
129	0.0	0.0	40.8
127	0.0	0.0	43.1



Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111846.D
 Acq On : 19 Nov 2022 01:29 am
 Operator : LM
 Sample : 211237-02 1/0.25
 Misc : soil
 ALS Vial : 39 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:46:47 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 Qlast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	4.73	96	101735	10.000	ppb	-0.01
39) Chlorobenzene-d5	7.41	117	95597	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	57487	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.18	113	34470	10.565	ppb	0.00
Spiked Amount	10.000	Range 50 - 150	Recovery	=	105.70%	
30) 1,2-Dichloroethane-d4	4.45	102	6538	10.341	ppb	0.00
Spiked Amount	10.000	Range 84 - 120	Recovery	=	103.40%	
35) Toluene-d8	6.11	98	99026	10.206	ppb	0.00
Spiked Amount	10.000	Range 73 - 128	Recovery	=	102.10%	
57) 4-Bromofluorobenzene	8.51	95	38980	9.841	ppb	0.00
Spiked Amount	10.000	Range 57 - 146	Recovery	=	98.40%	
Target Compounds						
2) Ethanol	0.00		0		N.D.	Qvalue
4) Dichlorodifluoromethane	0.00		0		N.D.	
5) Chloromethane	1.26	50	348		N.D.	
6) Vinyl chloride	0.00		0		N.D.	
7) Bromomethane	0.00		0		N.D. d	
8) Chloroethane	0.00		0		N.D. d	
9) Trichlorofluoromethane	0.00		0		N.D.	
10) 2-Propanol	0.00		0		N.D.	
11) Acetone	2.34	58	38	Below Cal	#	1
12) 1,1-Dichloroethene	0.00		0		N.D.	
13) Hexane	3.16	57	114		N.D.	
14) Methylene chloride	2.68	84	2604	Below Cal		83
15) t-Butyl alcohol (TBA)	0.00		0		N.D.	
16) Methyl t-butyl ether (...)	0.00		0		N.D.	
17) trans-1,2-Dichloroethene	0.00		0		N.D.	
18) Diisopropyl ether (DIPE)	3.33	45	33		N.D.	
19) 1,1-Dichloroethane	0.00		0		N.D.	
20) Ethyl t-butyl ether (E...)	0.00		0		N.D.	
21) 2,2-Dichloropropane	3.75	77	276		N.D.	
22) cis-1,2-Dichloroethene	0.00		0		N.D.	
23) Chloroform	0.00		0		N.D.	
24) 2-Butanone (MEK)	3.81	43	627	0.236	ppb	83
25) t-Amyl methyl ether (T...)	0.00		0		N.D.	
26] 1,2-Dichloroethane (EDC)	4.52	62	78	Below Cal		84
27) 1,1,1-Trichloroethane	0.00		0		N.D.	
28) 1,1-Dichloropropene	0.00		0		N.D.	
29) Carbon tetrachloride	0.00		0		N.D.	
31) Benzene	0.00		0		N.D.	
32) Trichloroethene	0.00		0		N.D. d	
33) 1,2-Dichloropropane	0.00		0		N.D.	
34) Bromodichloromethane	0.00		0		N.D.	
36) Dibromomethane	0.00		0		N.D.	

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111846.D
 Acq On : 19 Nov 2022 01:29 am
 Operator : LM
 Sample : 211237-02 1/0.25
 Misc : soil
 ALS Vial : 39 Sample Multiplier: 1
 InstName : GCMS13

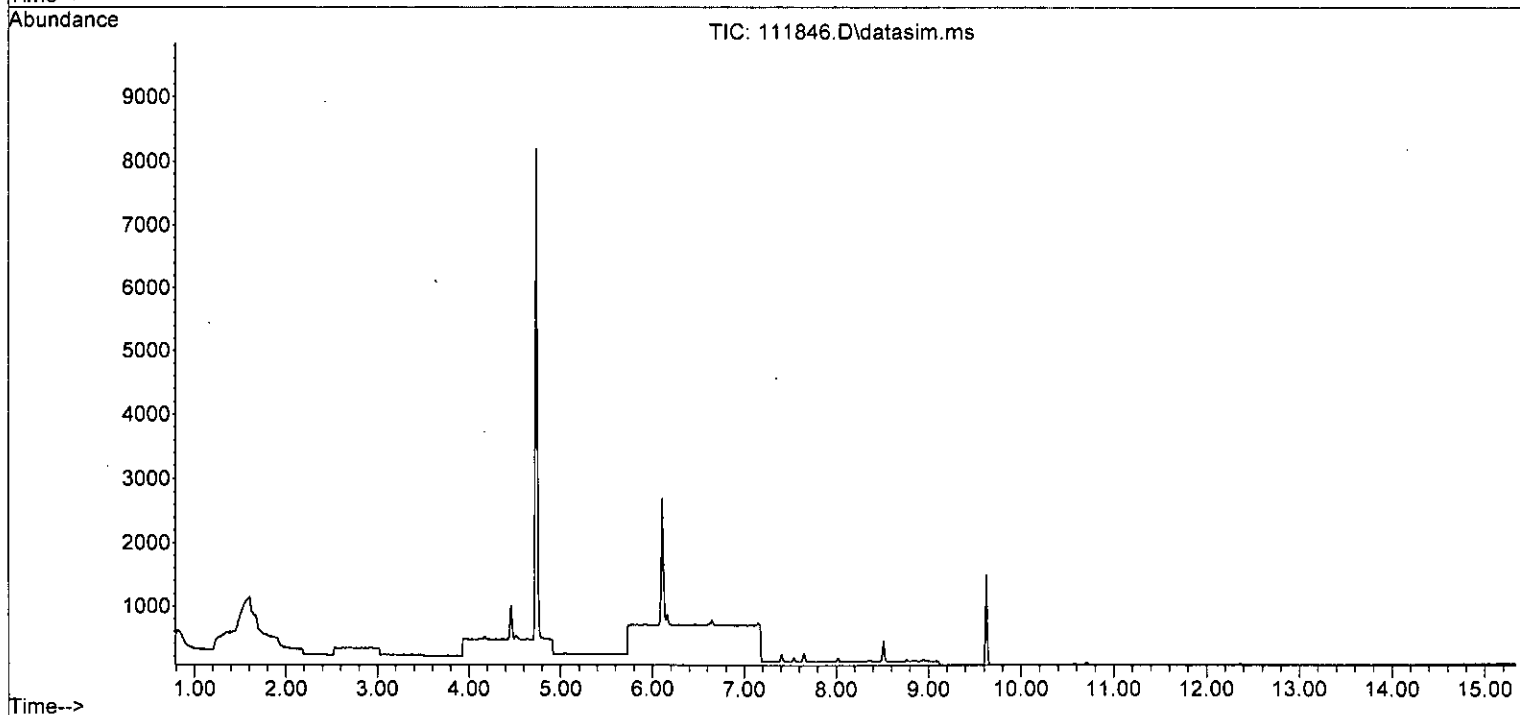
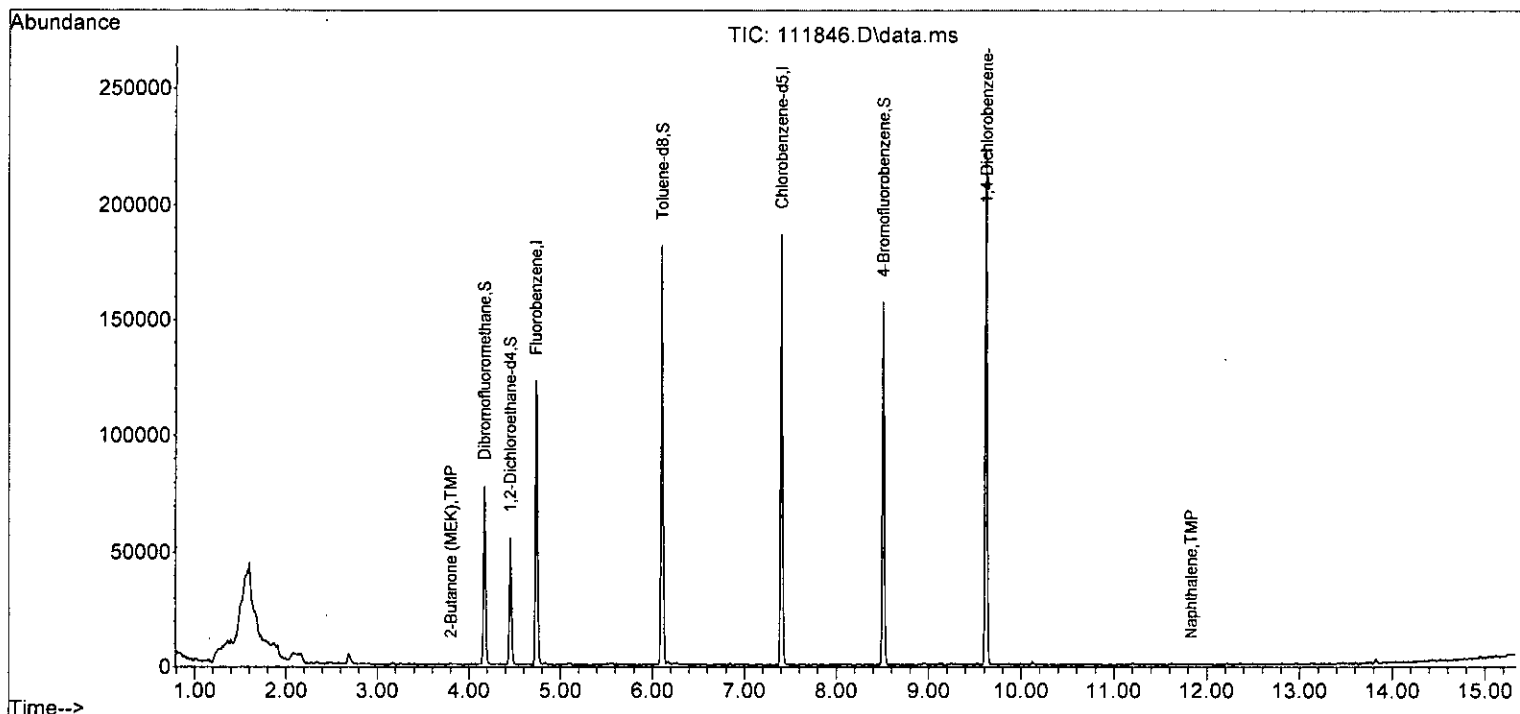
Quant Time: Nov 21 09:46:47 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.00		0		N.D.	
38) cis-1,3-Dichloropropene	0.00		0		N.D.	
40] Toluene	6.16	92	81	Below Cal		89
41) trans-1,3-Dichloropropene	0.00		0		N.D. d	
42) 1,1,2-Trichloroethane	0.00		0		N.D.	
43) 2-Hexanone	0.00		0		N.D. d	
44) 1,3-Dichloropropane	6.55	76	44		N.D.	
45] Tetrachloroethene	6.65	164	30	Below Cal		86
46) Dibromochloromethane	0.00		0		N.D.	
47) 1,2-Dibromoethane (EDB)	0.00		0		N.D.	
48) Chlorobenzene	0.00		0		N.D.	
49) Ethylbenzene	7.54	91	68		N.D.	
50) 1,1,1,2-Tetrachloroethane	0.00		0		N.D.	
51) m,p-Xylene	7.54	106	23		N.D.	
52) o-Xylene	8.02	106	31		N.D.	
53) Styrene	0.00		0		N.D.	
54) Isopropylbenzene	8.37	105	140		N.D.	
55) Bromoform	0.00		0		N.D.	
58) n-Propylbenzene	8.94	91	89		N.D.	
59) Bromobenzene	0.00		0		N.D.	
60) 1,3,5-Trimethylbenzene	8.94	105	181		N.D.	
61) 1,1,2,2-Tetrachloroethane	0.00		0		N.D.	
62) 1,2,3-Trichloropropane	0.00		0		N.D. d	
63) 2-Chlorotoluene	8.94	91	89		N.D.	
64) 4-Chlorotoluene	8.94	91	89		N.D.	
65) tert-Butylbenzene	9.29	119	22		N.D.	
66) 1,2,4-Trimethylbenzene	9.29	105	330		N.D.	
67) sec-Butylbenzene	9.46	105	33		N.D.	
68) p-Isopropyltoluene	9.61	119	83		N.D.	
69) 1,3-Dichlorobenzene	9.65	146	25		N.D.	
70) 1,4-Dichlorobenzene	9.65	146	25		N.D.	
71) 1,2-Dichlorobenzene	0.00		0		N.D.	
72) 1,2-Dibromo-3-chloropr...	0.00		0		N.D.	
73) 1,2,4-Trichlorobenzene	0.00		0		N.D.	
74) Hexachlorobutadiene	0.00		0		N.D.	
75) Naphthalene	11.83	128	218	0.099 ppb		69
76) 1,2,3-Trichlorobenzene	0.00		0		N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS13\11-18-22\
Data File : 111846.D
Acq On : 19 Nov 2022 01:29 am
Operator : LM
Sample : 211237-02 1/0.25
Misc : soil
ALS Vial : 39 Sample Multiplier: 1
InstName : GCMS13

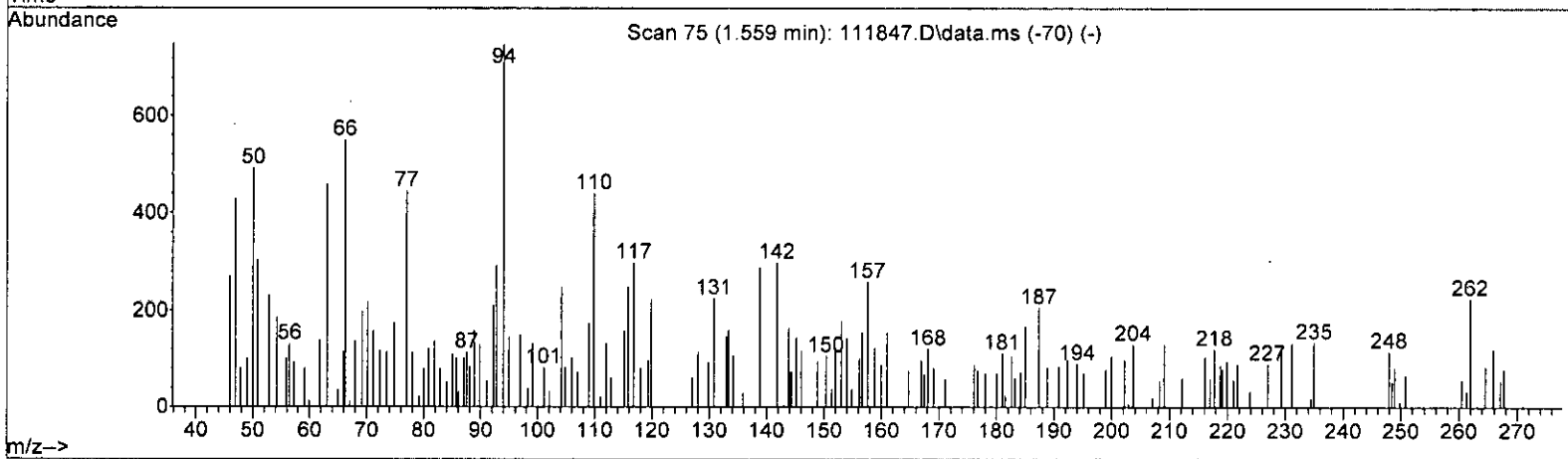
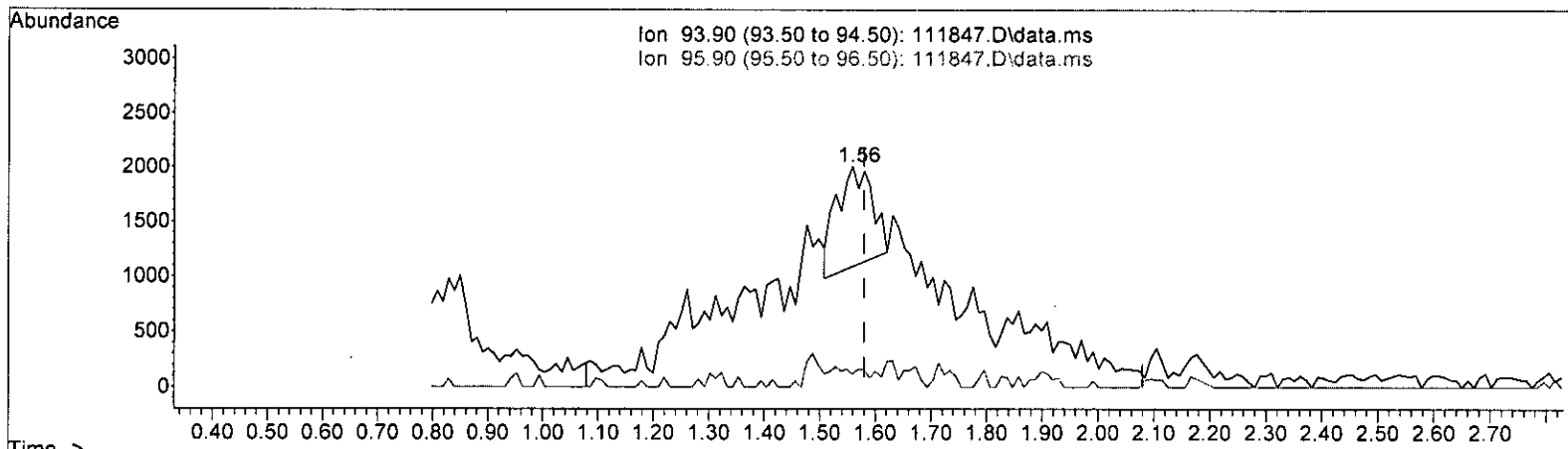
Quant Time: Nov 21 09:46:47 2022
Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
QLast Update : Mon Nov 07 15:16:10 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M



Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111847.D
 Acq On : 19 Nov 2022 01:52 am
 Operator : LM
 Sample : 211237-03 1/0.25
 Misc : soil
 ALS Vial : 40 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:46:51 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



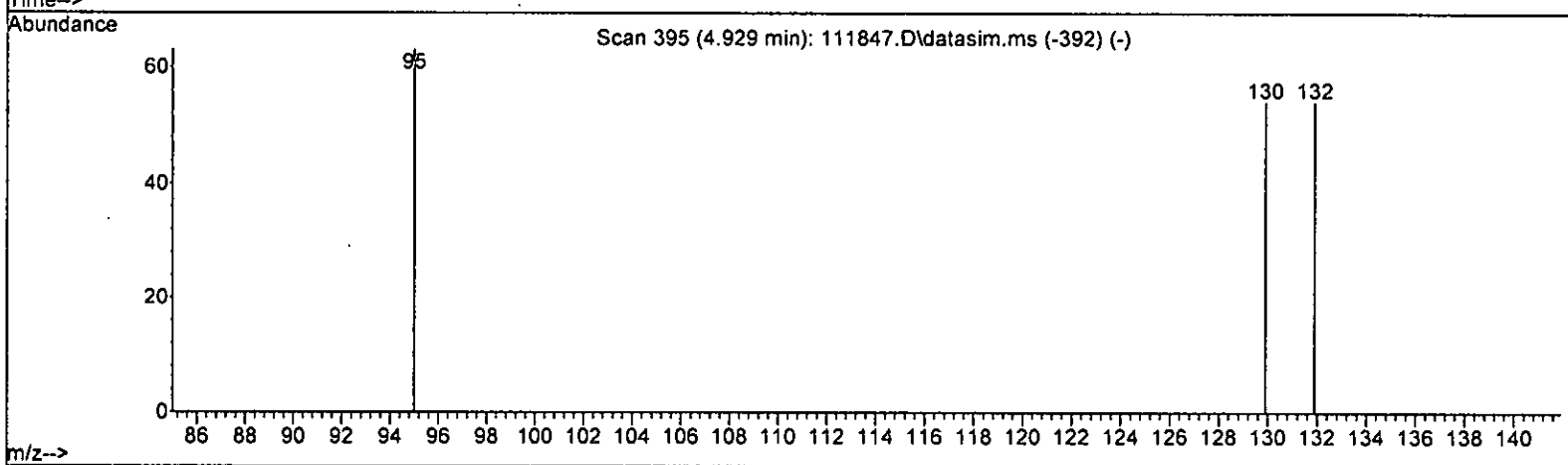
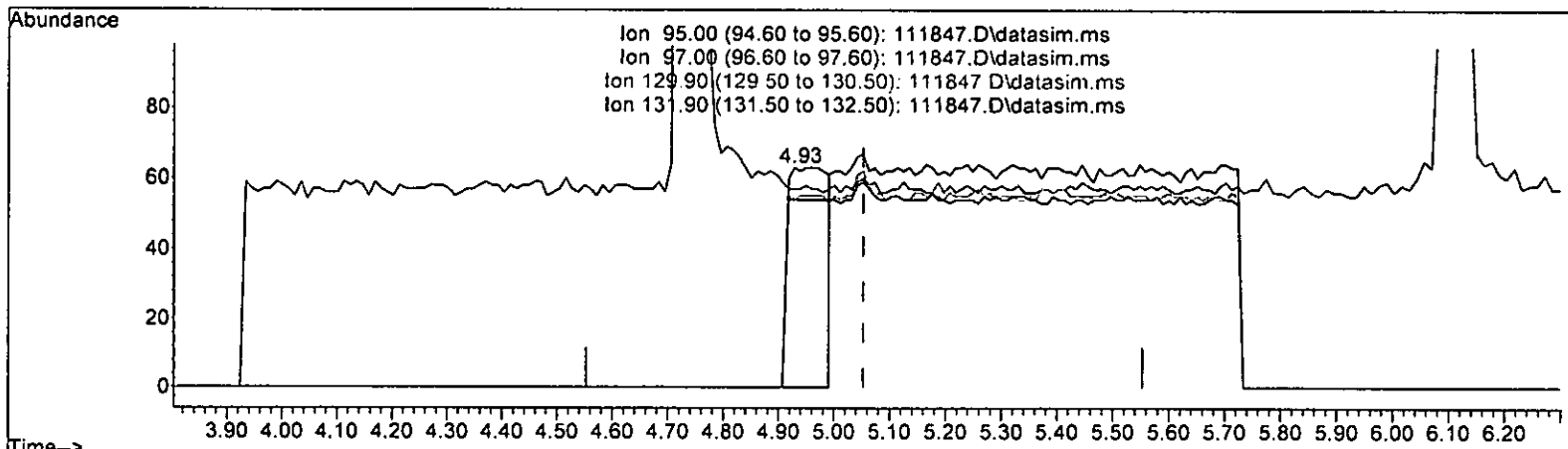
TIC: 111847.D\data.ms

(7) Bromomethane (TMP)		
1.559min (-0.021) 0.848 ppb		
response	4057	
Ion	Exp%	Act%
93.90	100.00	100.00
95.90	93.50	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111847.D
 Acq On : 19 Nov 2022 01:52 am
 Operator : LM
 Sample : 211237-03 1/0.25
 Misc : soil
 ALS Vial : 40 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:46:51 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 111847.D\data.ms

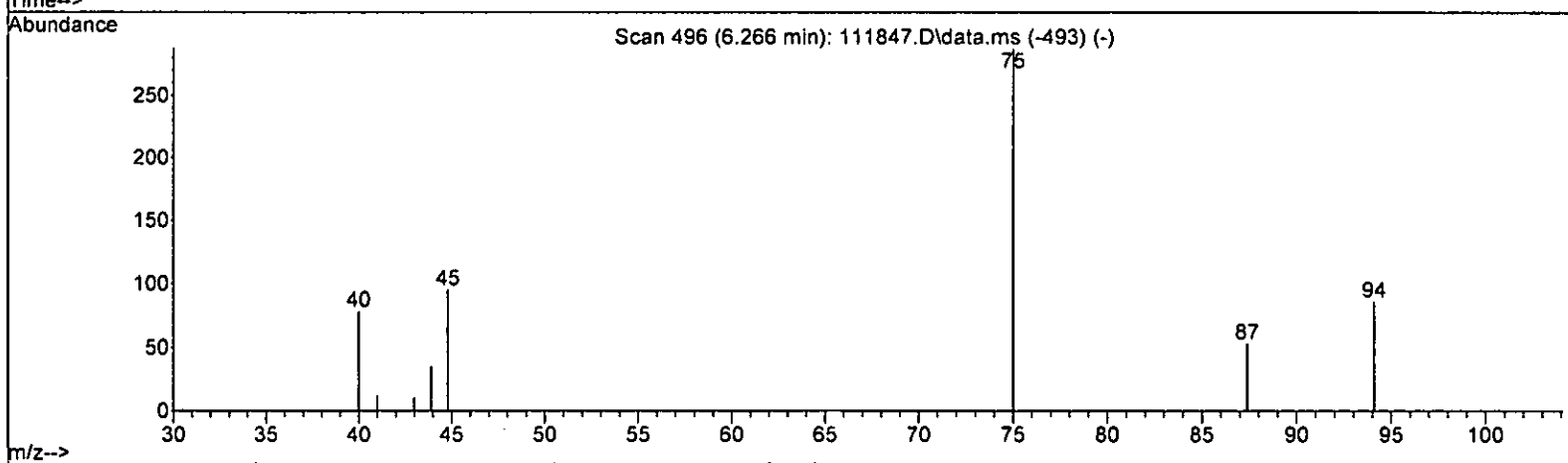
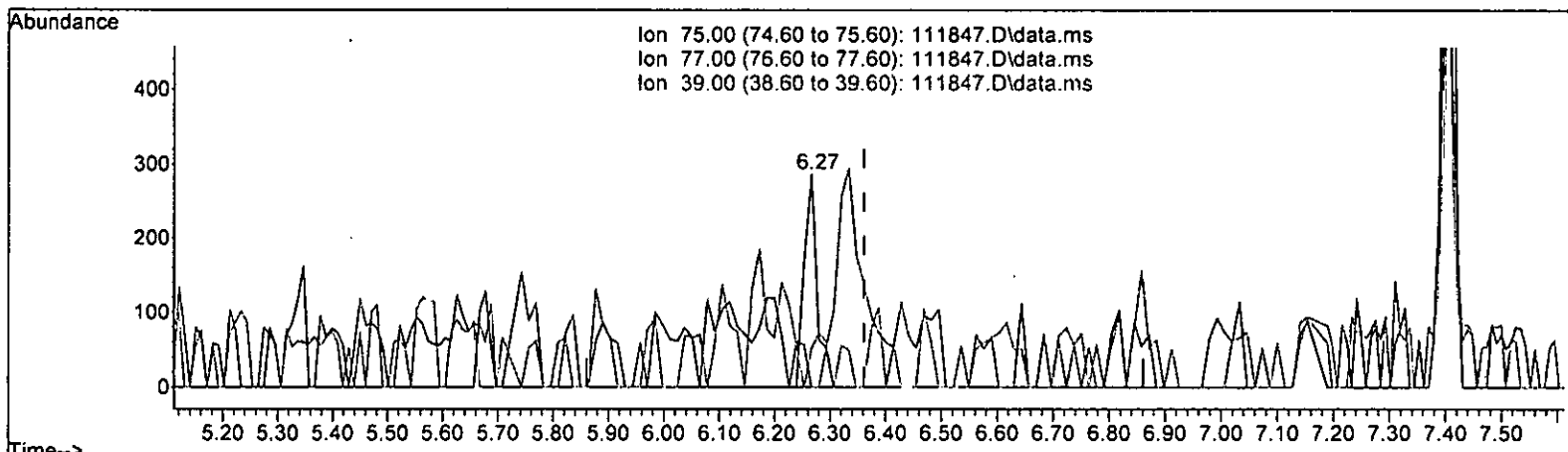
(32) Trichloroethene (TMP)
 4.929min (-0.124) 0.077 ppb
 response 313

Ion	Exp%	Act%
95.00	100.00	100.00
97.00	64.60	0.00#
129.90	103.40	85.71
131.90	95.80	85.71

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111847.D
 Acq On : 19 Nov 2022 01:52 am
 Operator : LM
 Sample : 211237-03 1/0.25
 Misc : soil
 ALS Vial : 40 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:46:51 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 Qlast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 111847.D\data.ms

(41) trans-1,3-Dichloropropene (TMP)

6.266min (-0.095) 0.154 ppb

response 463

Ion	Exp%	Act%
75.00	100.00	100.00
77.00	.32.60	0.00#
39.00	46.30	0.00#
0.00	0.00	0.00

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111847.D
 Acq On : 19 Nov 2022 01:52 am
 Operator : LM
 Sample : 211237-03 1/0.25
 Misc : soil
 ALS Vial : 40 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:46:51 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

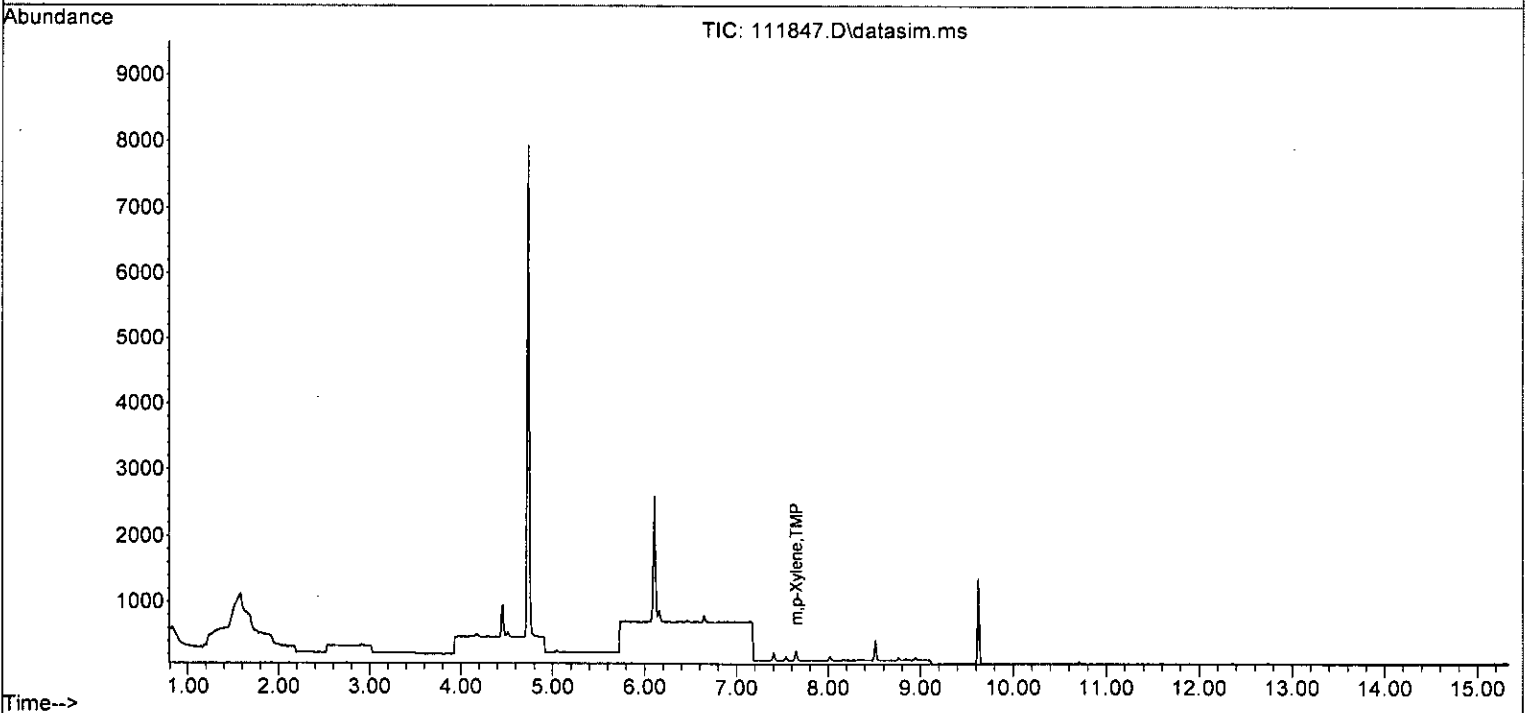
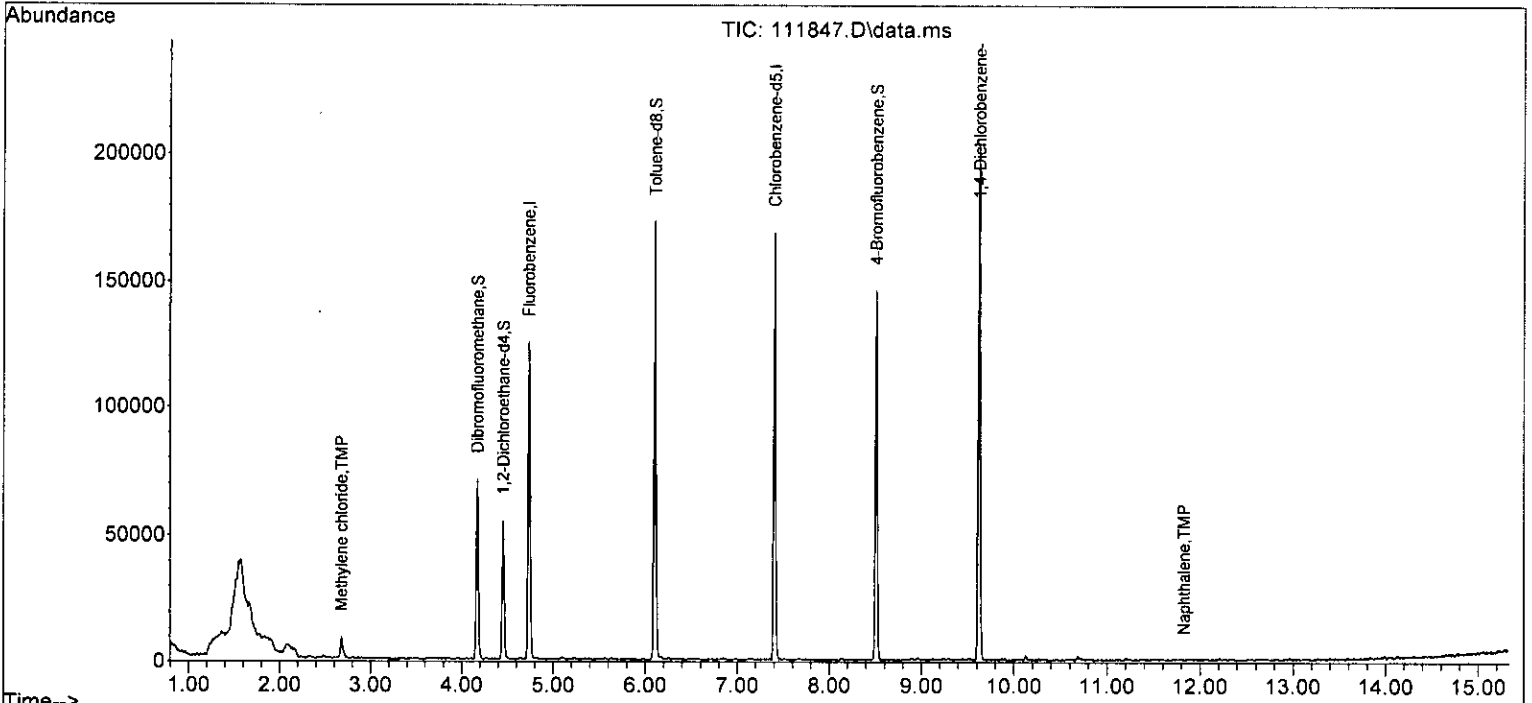
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

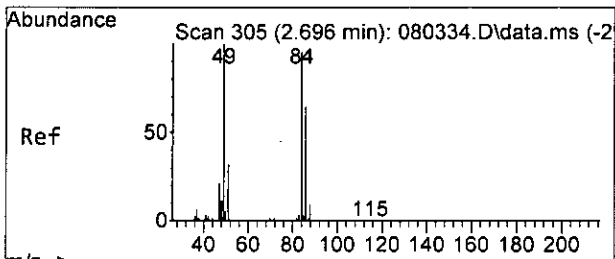
Internal Standards						
1) Fluorobenzene	4.73	96	110698	10.000	ppb	-0.01
39) Chlorobenzene-d5	7.40	117	88861	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	51740	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.17	113	32453	9.142	ppb	0.00
Spiked Amount	10.000	Range	50 - 150	Recovery	=	91.40%
30) 1,2-Dichloroethane-d4	4.45	102	6109	8.880	ppb	0.00
Spiked Amount	10.000	Range	84 - 120	Recovery	=	88.80%
35) Toluene-d8	6.11	98	95576	9.053	ppb	0.00
Spiked Amount	10.000	Range	73 - 128	Recovery	=	90.50%
57) 4-Bromofluorobenzene	8.51	95	34982	9.812	ppb	0.00
Spiked Amount	10.000	Range	57 - 146	Recovery	=	98.10%
Target Compounds						
11) Acetone	2.33	58	129	Below Cal	#	1
14) Methylene chloride	2.68	84	4059	0.161	ppb	92
26] 1,2-Dichloroethane (EDC)	4.52	62	72	Below Cal		99
40] Toluene	6.16	92	87	Below Cal		90
45] Tetrachloroethene	6.65	164	38	Below Cal		91
51] m,p-Xylene	7.65	106	82	0.015	ppb #	70
75) Naphthalene	11.83	128	192	0.098	ppb	69

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111847.D
 Acq On : 19 Nov 2022 01:52 am
 Operator : LM
 Sample : 211237-03 1/0.25
 Misc : soil
 ALS Vial : 40 Sample Multiplier: 1
 InstName : GCMS13

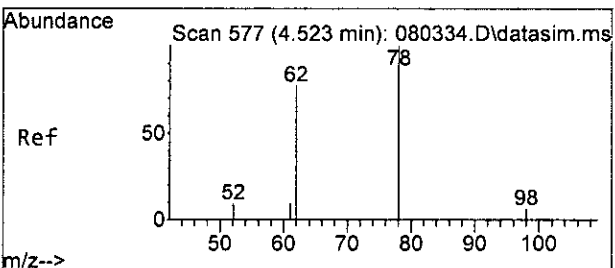
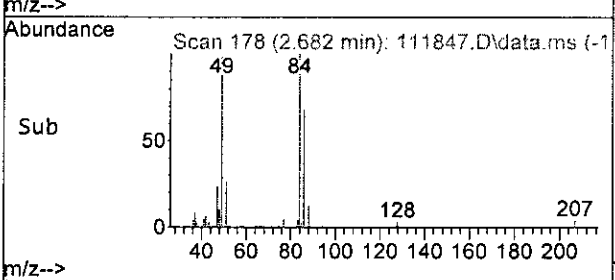
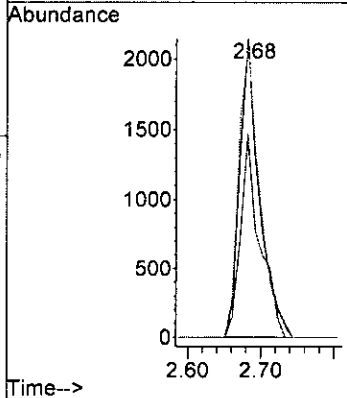
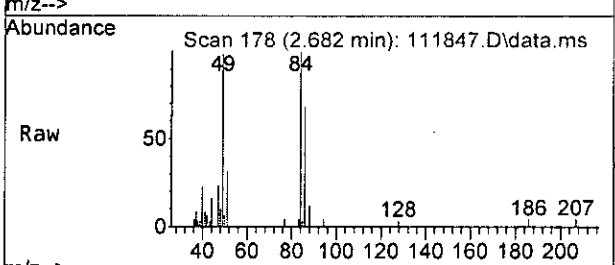
Quant Time: Nov 21 09:46:51 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M





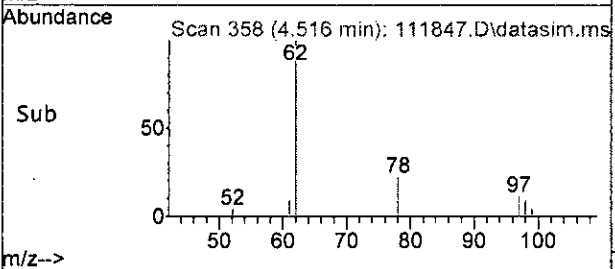
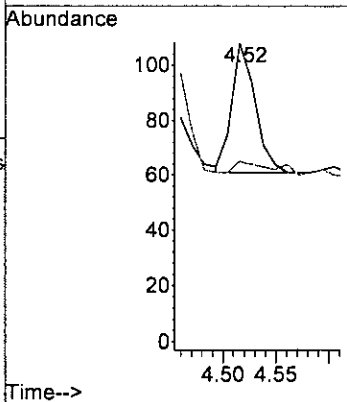
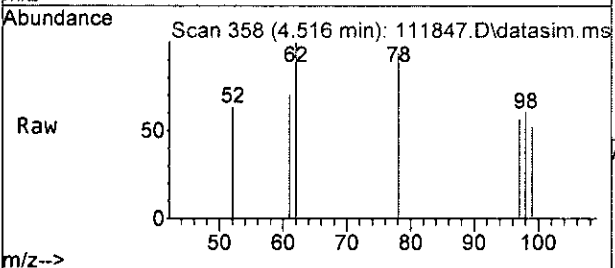
#14
 Methylene chloride
 Concen: 0.161 ppb
 RT: 2.68 min Scan# 178
 Delta R.T. -0.000 min
 Lab File: 111847.D
 Acq: 19 Nov 2022 01:52 am

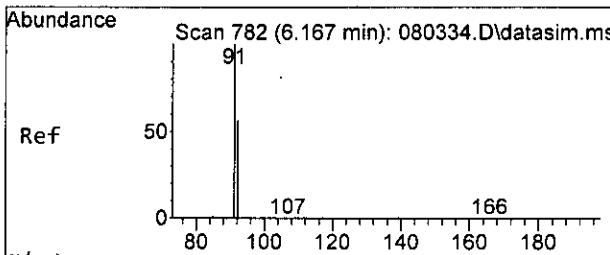
Tgt Ion	Resp	Lower	Upper
84	100		
86	68.5	37.1	97.1
49	98.2	81.3	141.3



#26
 1,2-Dichloroethane (EDC)
 Concen: Below Cal
 RT: 4.52 min Scan# 358
 Delta R.T. -0.011 min
 Lab File: 111847.D
 Acq: 19 Nov 2022 01:52 am

Tgt Ion	Resp	Lower	Upper
62	100		
98	10.6	0.0	40.1

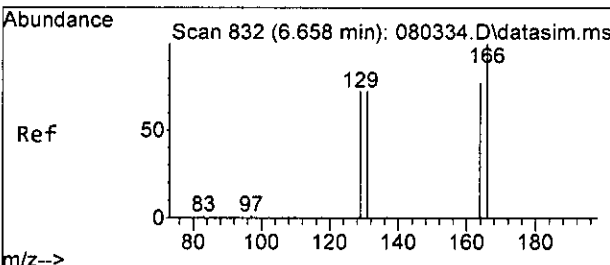
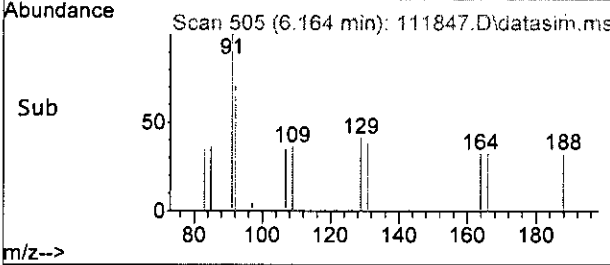
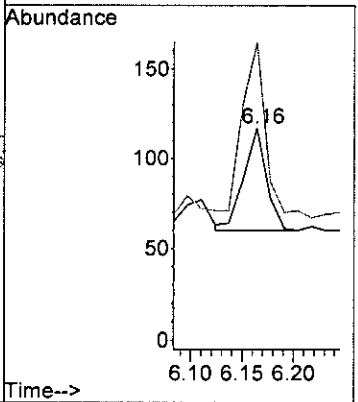
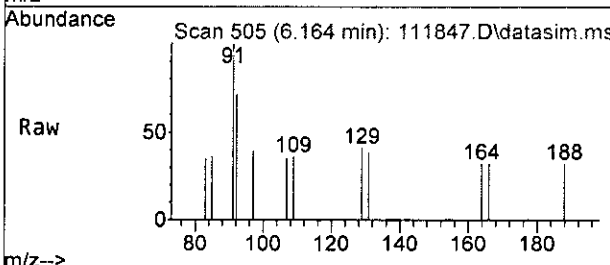




#40
 Toluene
 Concen: Below Cal
 RT: 6.16 min Scan# 505
 Delta R.T. -0.000 min
 Lab File: 111847.D
 Acq: 19 Nov 2022 01:52 am

Tgt Ion: 92 Resp: 87

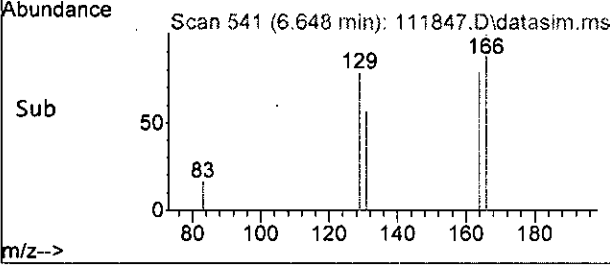
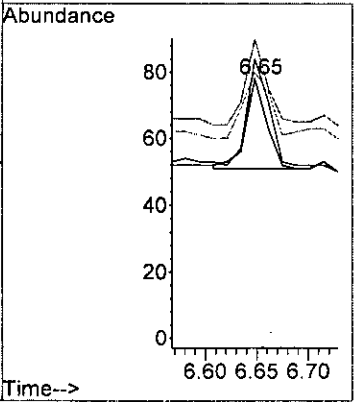
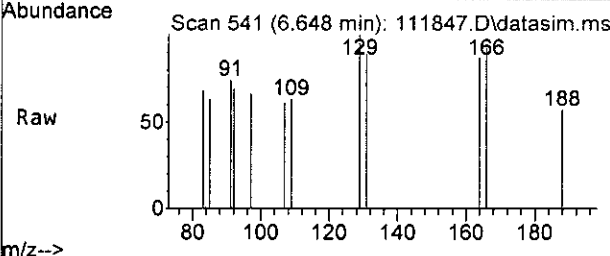
Ion	Ratio	Lower	Upper
92	100		
91	164.9	148.5	208.5

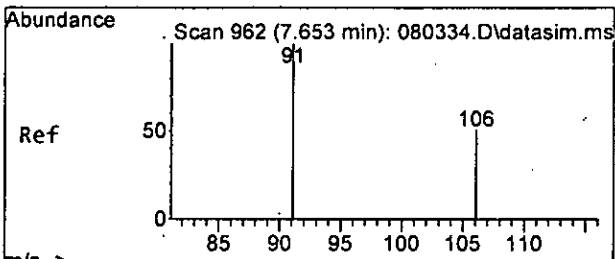


#45
 Tetrachloroethene
 Concen: Below Cal
 RT: 6.65 min Scan# 541
 Delta R.T. -0.000 min
 Lab File: 111847.D
 Acq: 19 Nov 2022 01:52 am

Tgt Ion: 164 Resp: 38

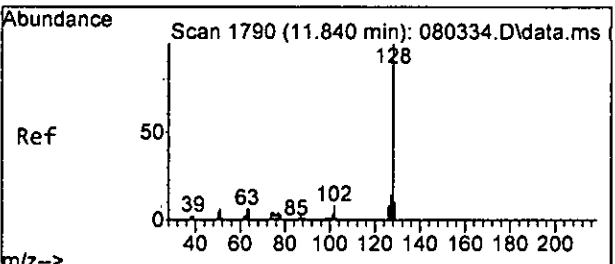
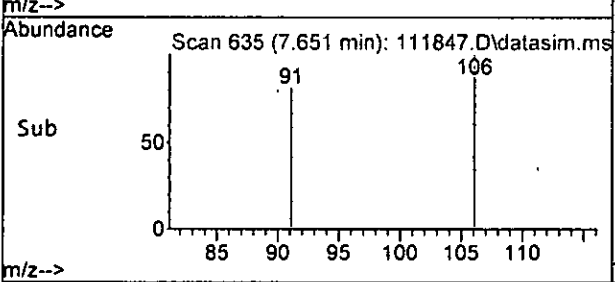
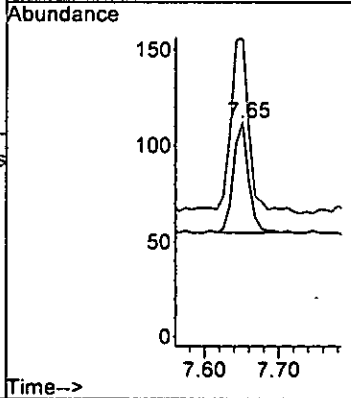
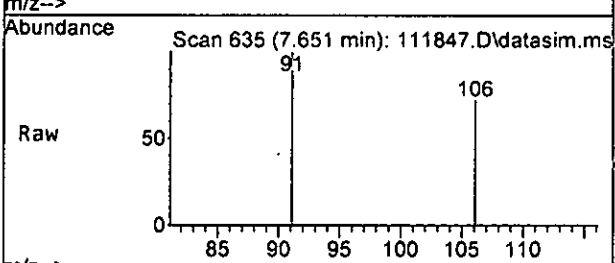
Ion	Ratio	Lower	Upper
164	100		
129	96.3	72.1	132.1
131	74.1	64.8	124.8
166	118.5	90.0	150.0





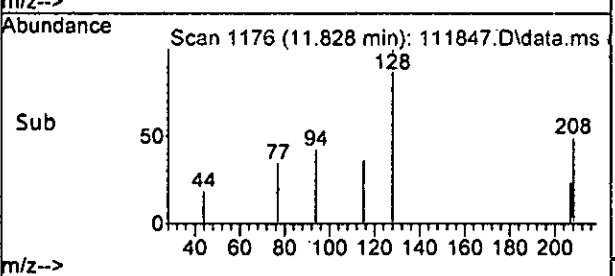
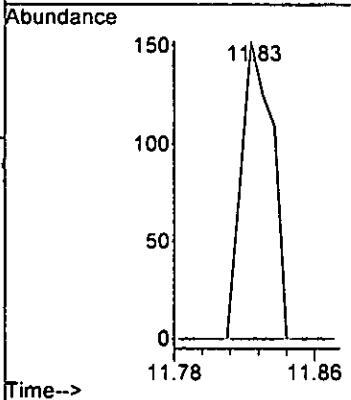
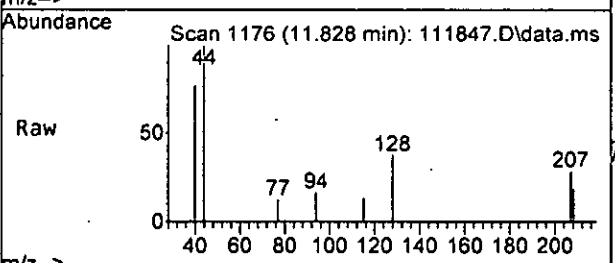
#51
 m,p-Xylene
 Concen: 0.015 ppb
 RT: 7.65 min Scan# 635
 Delta R.T. -0.000 min
 Lab File: 111847.D
 Acq: 19 Nov 2022 01:52 am

Tgt Ion: 106 Resp: 82
 Ion Ratio Lower Upper
 106 100
 91 159.6 175.7 235.7#



#75
 Naphthalene
 Concen: 0.098 ppb
 RT: 11.83 min Scan# 1176
 Delta R.T. -0.007 min
 Lab File: 111847.D
 Acq: 19 Nov 2022 01:52 am

Tgt Ion: 128 Resp: 192
 Ion Ratio Lower Upper
 128 100
 129 0.0 0.0 40.8
 127 0.0 0.0 43.1



Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111847.D
 Acq On : 19 Nov 2022 01:52 am
 Operator : LM
 Sample : 211237-03 1/0.25
 Misc : soil
 ALS Vial : 40 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:46:51 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	4.73	96	110698	10.000	ppb	-0.01	
39) Chlorobenzene-d5	7.40	117	88861	10.000	ppb	0.00	
56) 1,4-Dichlorobenzene-d4	9.62	152	51740	10.000	ppb	0.00	
System Monitoring Compounds							
3) Dibromofluoromethane	4.17	113	32453	9.142	ppb	0.00	
Spiked Amount	10.000	Range	50 - 150	Recovery	=	91.40%	
30) 1,2-Dichloroethane-d4	4.45	102	6109	8.880	ppb	0.00	
Spiked Amount	10.000	Range	84 - 120	Recovery	=	88.80%	
35) Toluene-d8	6.11	98	95576	9.053	ppb	0.00	
Spiked Amount	10.000	Range	73 - 128	Recovery	=	90.50%	
57) 4-Bromofluorobenzene	8.51	95	34982	9.812	ppb	0.00	
Spiked Amount	10.000	Range	57 - 146	Recovery	=	98.10%	
Target Compounds							
2) Ethanol	2.30	45	127	No Calib			Qvalue
4) Dichlorodifluoromethane	0.00		0	N.D.			
5) Chloromethane	1.26	50	402	N.D.			
6) Vinyl chloride	0.00		0	N.D.			
7) Bromomethane	0.00		0	N.D. d			
8) Chloroethane	0.00		0	N.D.			
9) Trichlorofluoromethane	1.79	101	58	N.D.			
10) 2-Propanol	2.30	45	127	No Calib	#		
11) Acetone	2.33	58	129	Below Cal	#	1	
12) 1,1-Dichloroethene	0.00		0	N.D.			
13) Hexane	3.15	57	32	N.D.			
14) Methylene chloride	2.68	84	4059	0.161	ppb	92	
15) t-Butyl alcohol (TBA)	0.00		0	N.D.			
16) Methyl t-butyl ether (...)	0.00		0	N.D.			
17) trans-1,2-Dichloroethene	0.00		0	N.D.			
18) Diisopropyl ether (DIPE)	0.00		0	N.D.			
19) 1,1-Dichloroethane	0.00		0	N.D.			
20) Ethyl t-butyl ether (E...)	0.00		0	N.D.			
21) 2,2-Dichloropropane	3.77	77	111	N.D.			
22) cis-1,2-Dichloroethene	0.00		0	N.D.			
23) Chloroform	0.00		0	N.D.			
24) 2-Butanone (MEK)	3.81	43	464	N.D.			
25) t-Amyl methyl ether (T...)	0.00		0	N.D.			
26] 1,2-Dichloroethane (EDC)	4.52	62	72	Below Cal		99	
27) 1,1,1-Trichloroethane	0.00		0	N.D.			
28) 1,1-Dichloropropene	0.00		0	N.D.			
29) Carbon tetrachloride	0.00		0	N.D.			
31) Benzene	0.00		0	N.D.			
32) Trichloroethene	0.00		0	N.D. d			
33) 1,2-Dichloropropane	0.00		0	N.D.			
34) Bromodichloromethane	0.00		0	N.D.			
36) Dibromomethane	0.00		0	N.D.			

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111847.D
 Acq On : 19 Nov 2022 01:52 am
 Operator : LM
 Sample : 211237-03 1/0.25
 Misc : soil
 ALS Vial : 40 Sample Multiplier: 1
 InstName : GCMS13

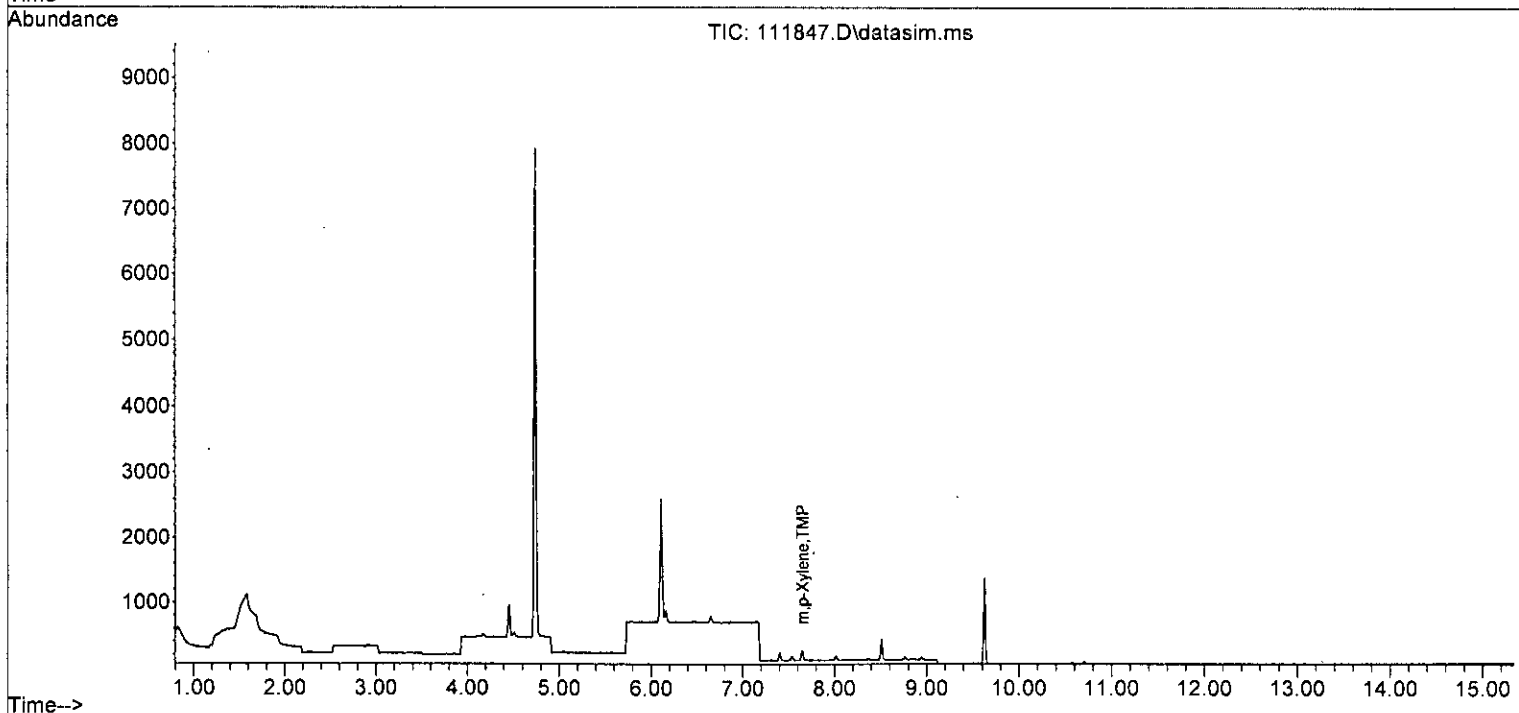
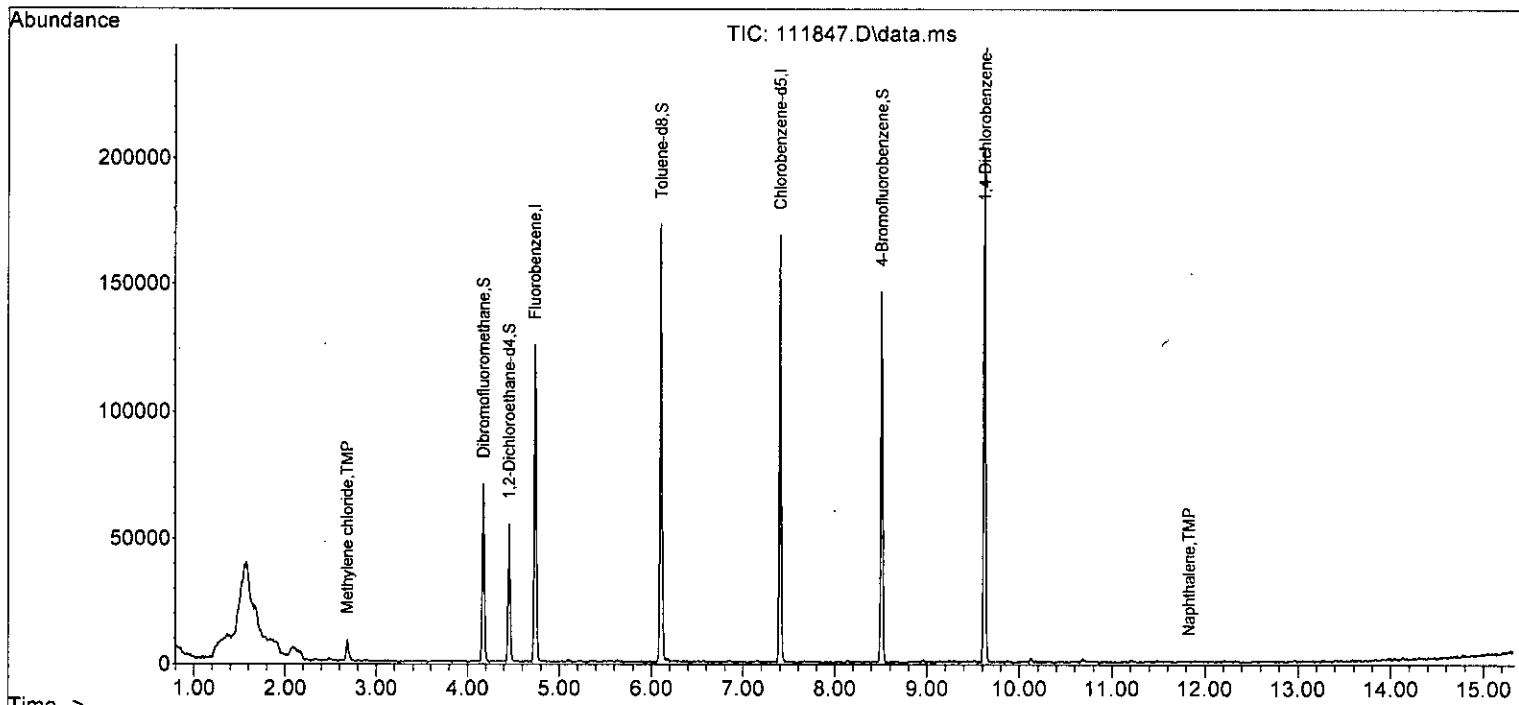
Quant Time: Nov 21 09:46:51 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.00		0		N.D.	
38) cis-1,3-Dichloropropene	0.00		0		N.D.	
40] Toluene	6.16	92	87	Below Cal		90
41) trans-1,3-Dichloropropene	0.00		0		N.D. d	
42) 1,1,2-Trichloroethane	0.00		0		N.D.	
43) 2-Hexanone	6.79	43	120		N.D.	
44) 1,3-Dichloropropane	0.00		0		N.D.	
45] Tetrachloroethene	6.65	164	38	Below Cal		91
46) Dibromochloromethane	0.00		0		N.D.	
47) 1,2-Dibromoethane (EDB)	0.00		0		N.D.	
48) Chlorobenzene	0.00		0		N.D.	
49) Ethylbenzene	7.54	91	66		N.D.	
50) 1,1,1,2-Tetrachloroethane	0.00		0		N.D.	
51] m,p-Xylene	7.65	106	82	0.015 ppb #		70
52) o-Xylene	8.02	106	31		N.D.	
53) Styrene	8.03	104	43		N.D.	
54) Isopropylbenzene	8.37	105	71		N.D.	
55) Bromoform	0.00		0		N.D.	
58) n-Propylbenzene	8.90	91	57		N.D.	
59) Bromobenzene	0.00		0		N.D.	
60) 1,3,5-Trimethylbenzene	8.87	105	27		N.D.	
61) 1,1,2,2-Tetrachloroethane	0.00		0		N.D.	
62) 1,2,3-Trichloropropane	8.89	75	27		N.D.	
63) 2-Chlorotoluene	8.90	91	57		N.D.	
64) 4-Chlorotoluene	8.94	91	33		N.D.	
65) tert-Butylbenzene	0.00		0		N.D.	
66) 1,2,4-Trimethylbenzene	9.30	105	244		N.D.	
67) sec-Butylbenzene	9.30	105	244		N.D.	
68) p-Isopropyltoluene	9.61	119	146		N.D.	
69) 1,3-Dichlorobenzene	0.00		0		N.D.	
70) 1,4-Dichlorobenzene	0.00		0		N.D.	
71) 1,2-Dichlorobenzene	0.00		0		N.D.	
72) 1,2-Dibromo-3-chloropr...	0.00		0		N.D.	
73) 1,2,4-Trichlorobenzene	0.00		0		N.D.	
74) Hexachlorobutadiene	0.00		0		N.D.	
75) Naphthalene	11.83	128	192	0.098 ppb		69
76) 1,2,3-Trichlorobenzene	0.00		0		N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS13\11-18-22\
Data File : 111847.D
Acq On : 19 Nov 2022 01:52 am
Operator : LM
Sample : 211237-03 1/0.25
Misc : soil
ALS Vial : 40 Sample Multiplier: 1
InstName : GCMS13

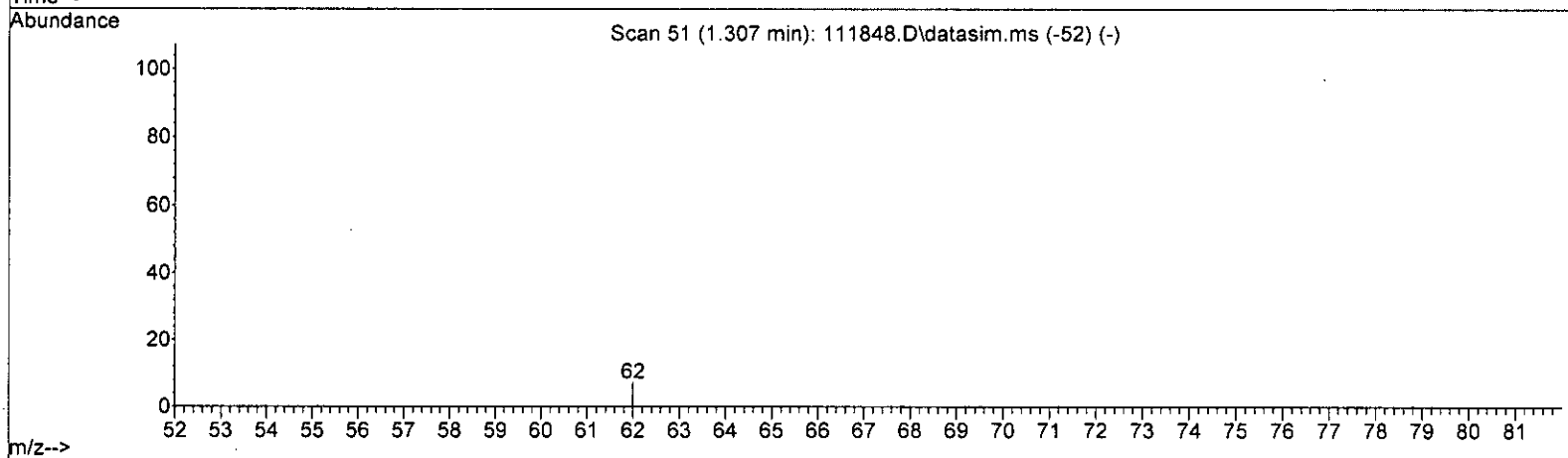
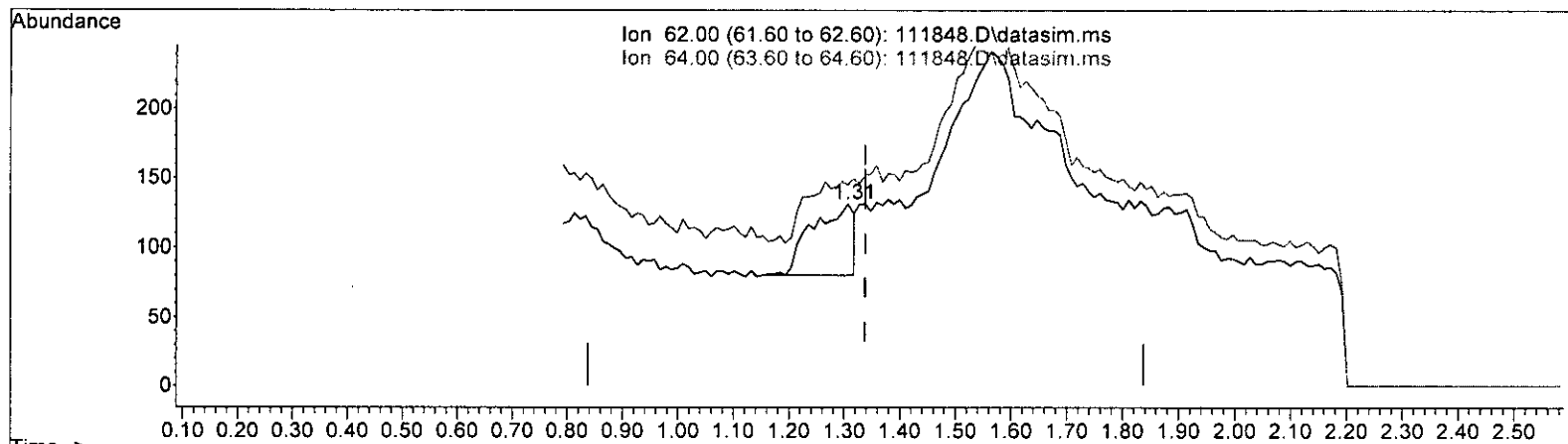
Quant Time: Nov 21 09:46:51 2022
Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
QLast Update : Mon Nov 07 15:16:10 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M



Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111848.D
 Acq On : 19 Nov 2022 02:15 am
 Operator : LM
 Sample : 211237-04 1/0.25
 Misc : soil
 ALS Vial : 41 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:46:55 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 111848.D\data.ms

(6) Vinyl chloride (TMP)

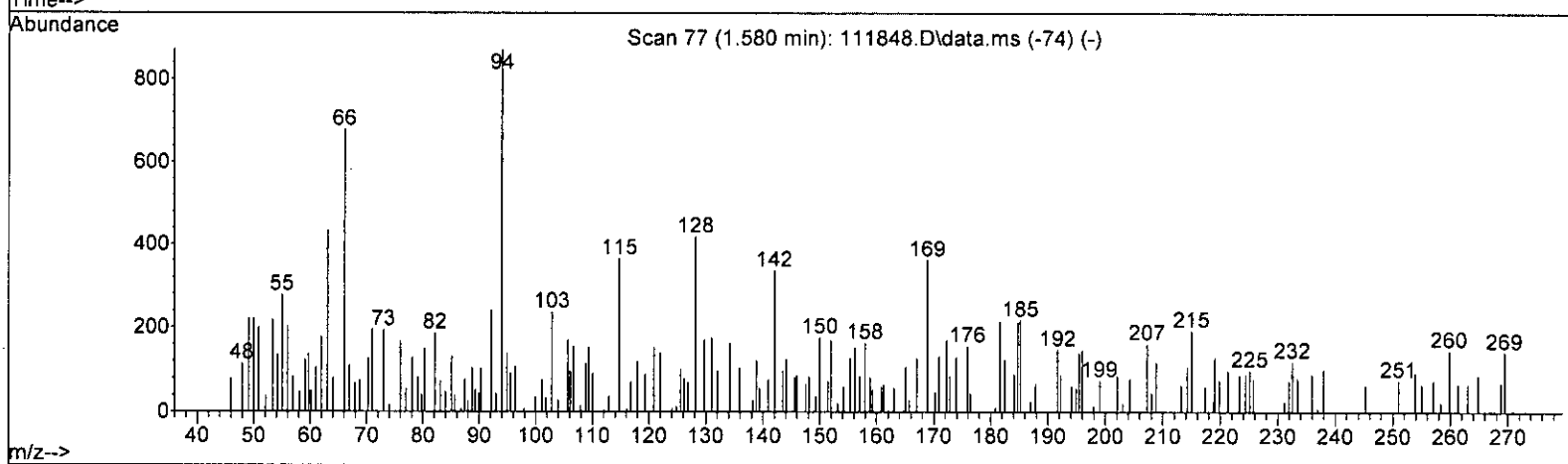
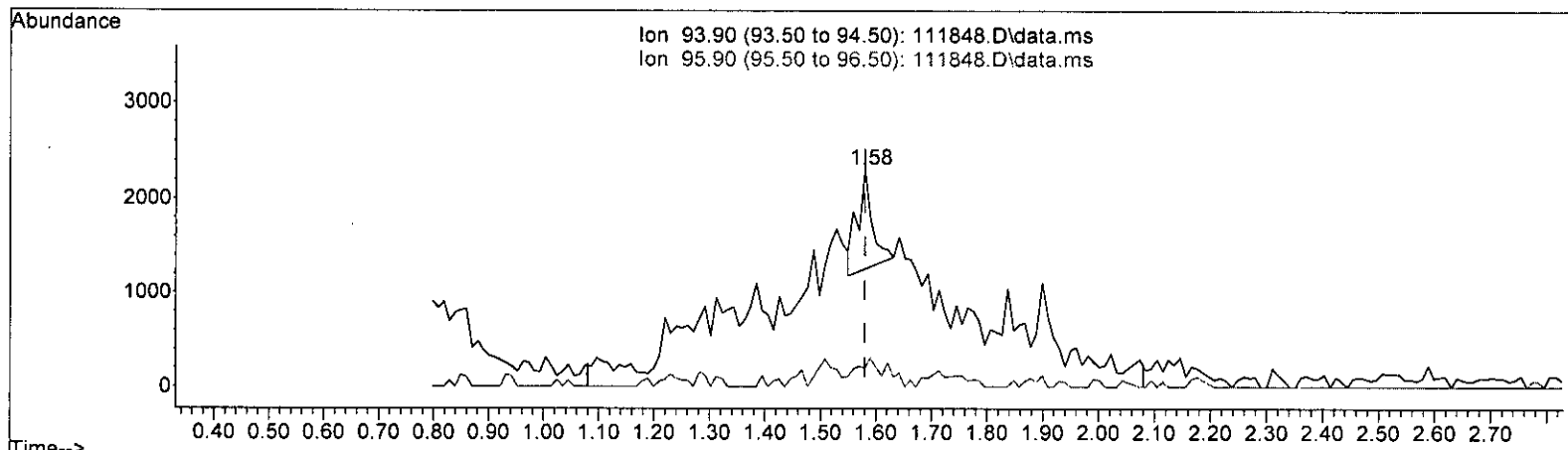
1.307min (-0.031) 0.050 ppb

response	264	
Ion	Exp%	Act%
62.00	100.00	100.00
64.00	34.40	72.55#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111848.D
 Acq On : 19 Nov 2022 02:15 am
 Operator : LM
 Sample : 211237-04 1/0.25
 Misc : soil
 ALS Vial : 41 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:46:55 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 111848.D\data.ms

(7) Bromomethane (TMP)

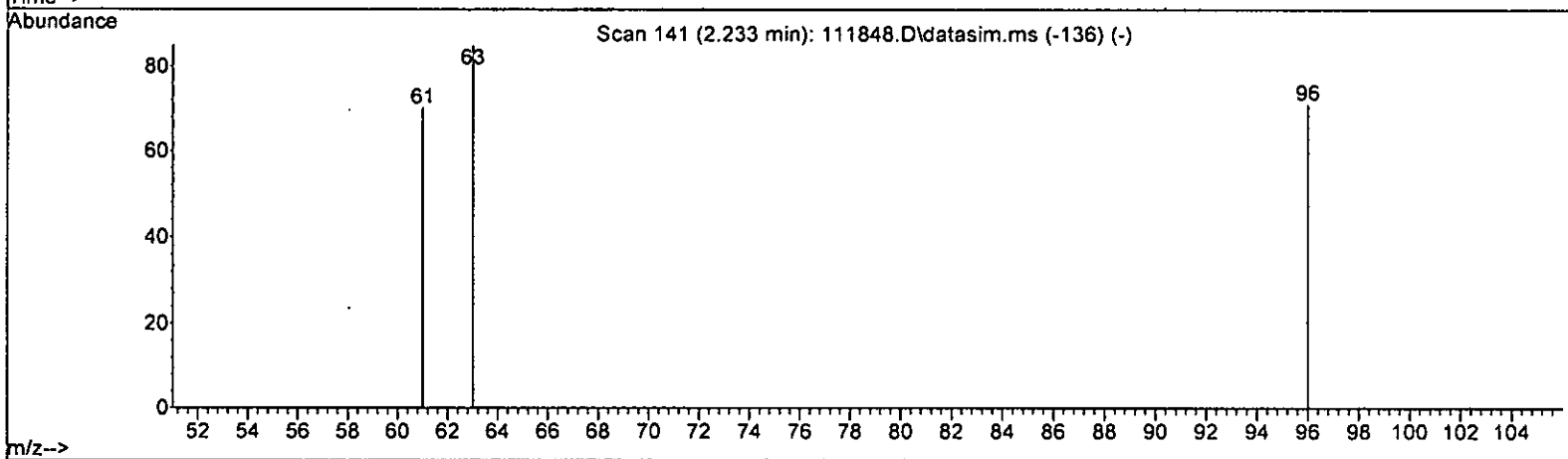
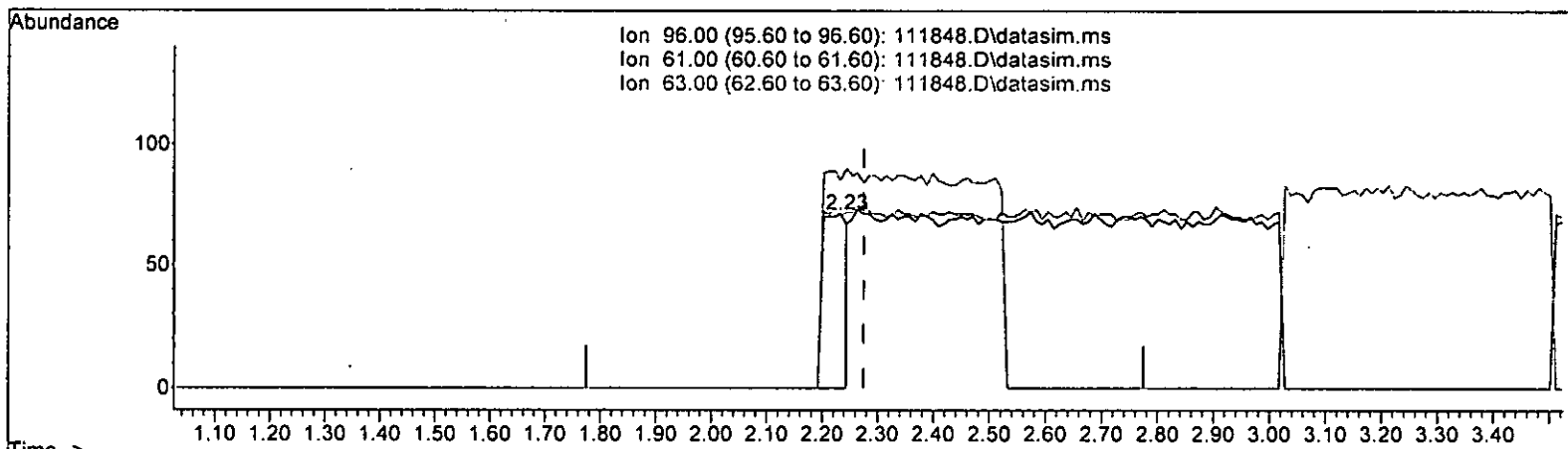
1.580min (-0.000) 0.448 ppb

response	1989
Ion	Exp% Act%
93.90	100.00 100.00
95.90	93.50 9.69#
0.00	0.00 0.00
0.00	0.00 0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111848.D
 Acq On : 19 Nov 2022 02:15 am
 Operator : LM
 Sample : 211237-04 1/0.25
 Misc : soil
 ALS Vial : 41 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:46:55 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth: VM080322.M



TIC: 111848.D\data.ms

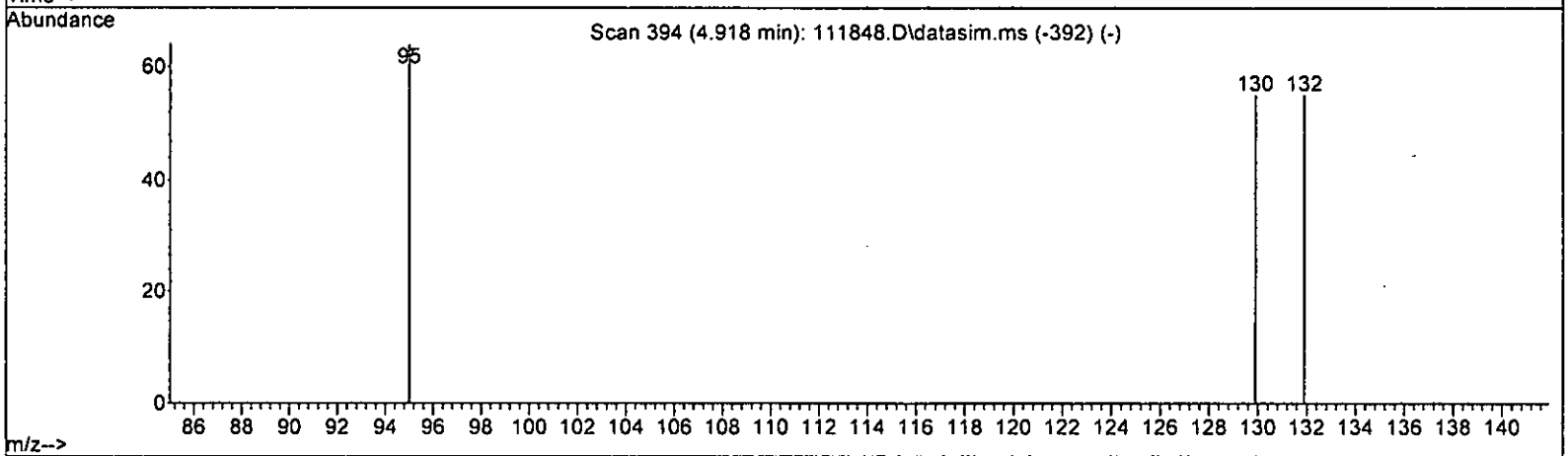
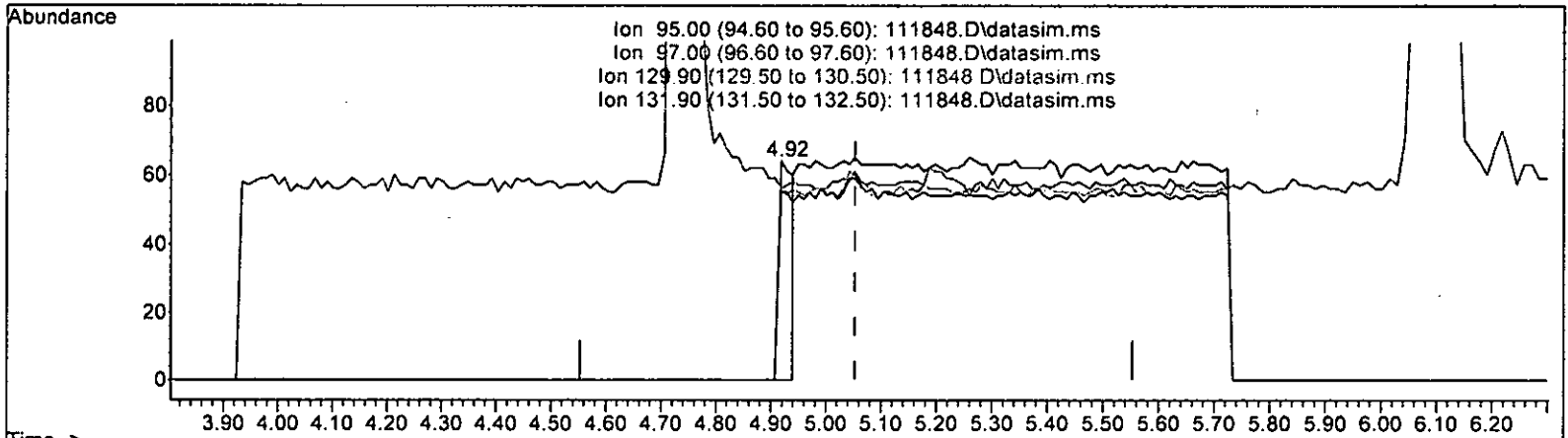
(12) 1,1-Dichloroethene (TMP)
 2.233min (-0.042) 0.074 ppb

response	215	
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	120.90	98.59
63.00	43.90	119.72#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111848.D
 Acq On : 19 Nov 2022 02:15 am
 Operator : LM
 Sample : 211237-04 1/0.25
 Misc : soil
 ALS Vial : 41 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:46:55 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 111848.D\data.ms

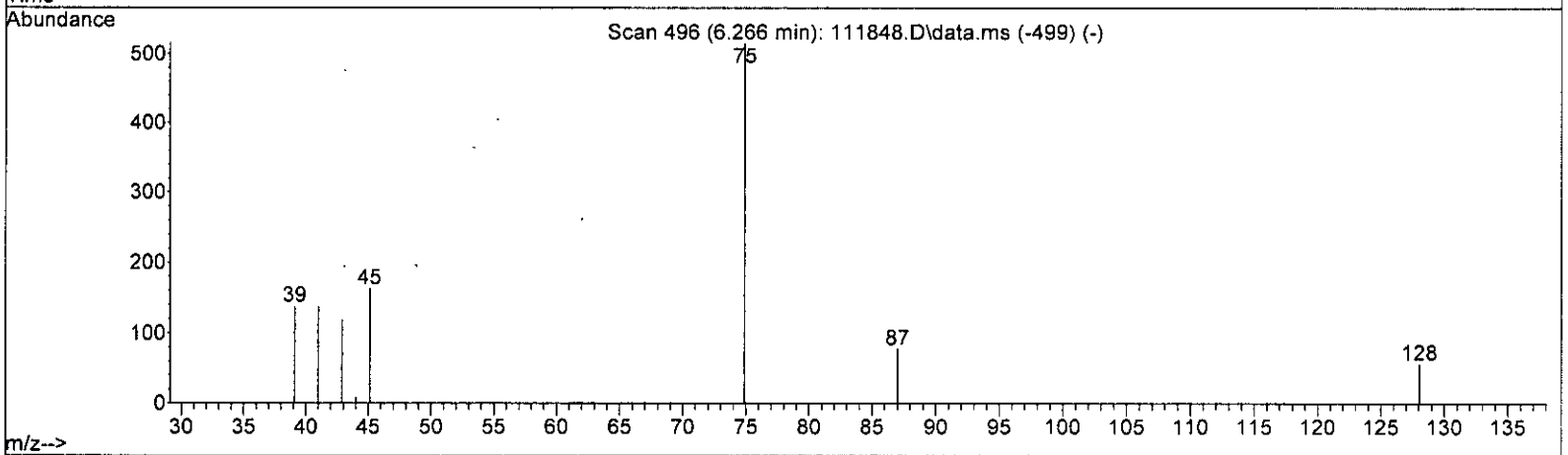
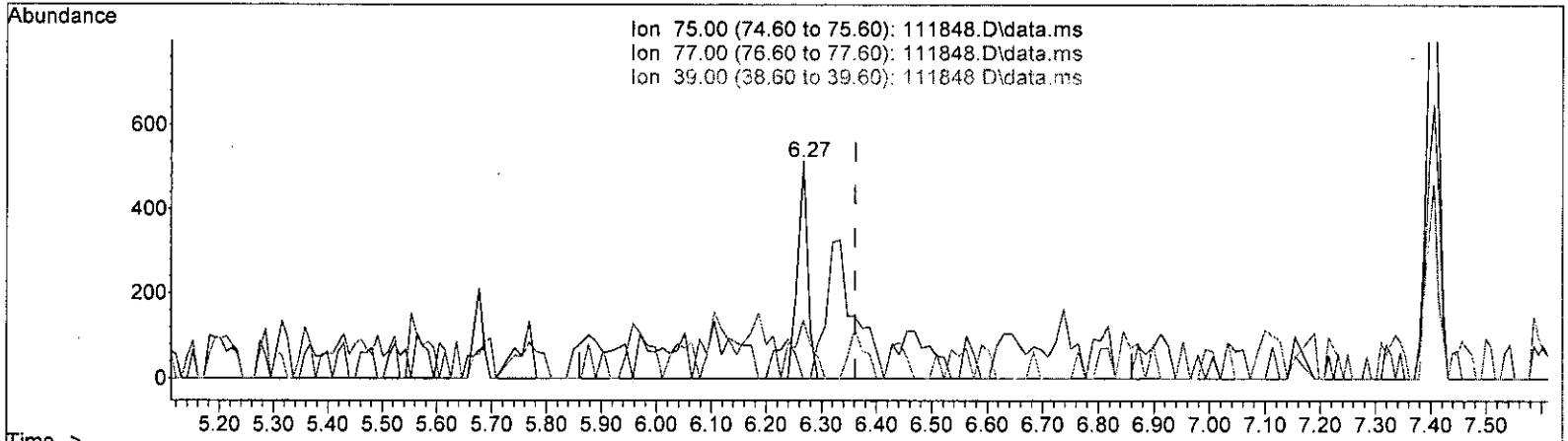
(32) Trichloroethene (TMP)
 4.918min (-0.135) 0.032 ppb

response	119	
Ion	Exp%	Act%
95.00	100.00	100.00
97.00	64.60	0.00#
129.90	103.40	85.94
131.90	95.80	85.94

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111848.D
 Acq On : 19 Nov 2022 02:15 am
 Operator : LM
 Sample : 211237-04 1/0.25
 Misc : soil
 ALS Vial : 41 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:46:55 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 111848.D\data.ms

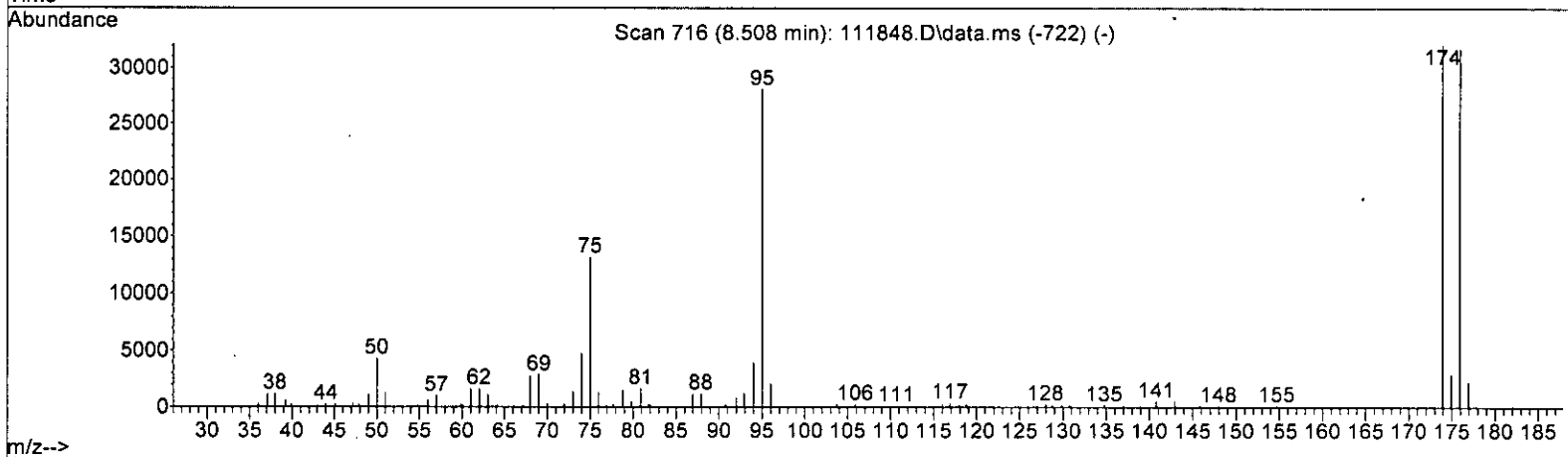
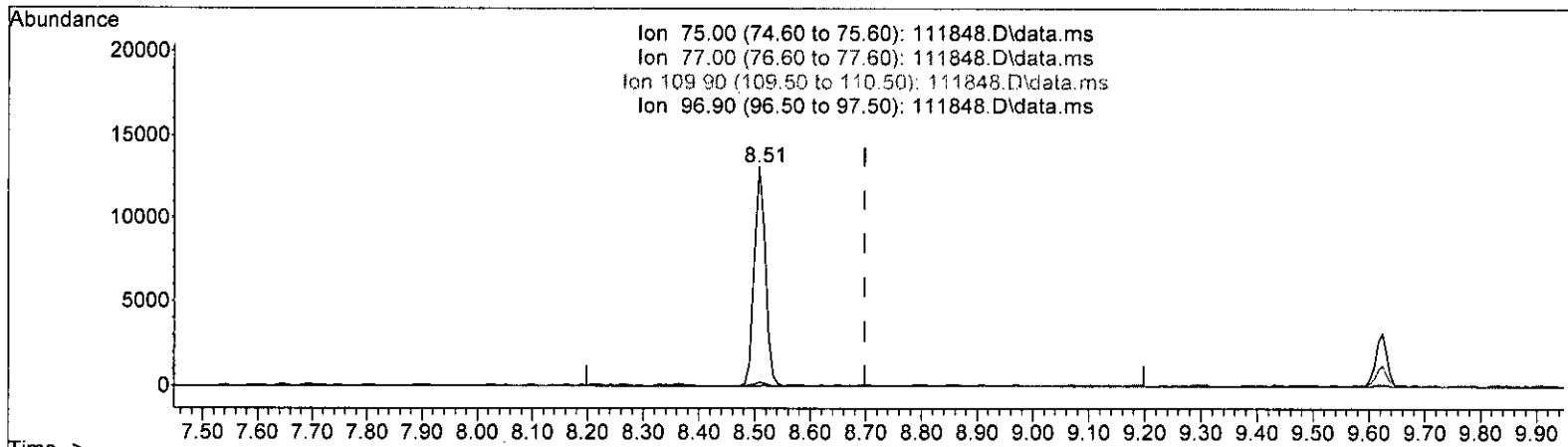
(41) trans-1,3-Dichloropropene (TMP)
 6.266min (-0.095) 0.202 ppb
 response 654

Ion	Exp%	Act%
75.00	100.00	100.00
77.00	32.60	0.00#
39.00	46.30	26.65
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111848.D
 Acq On : 19 Nov 2022 02:15 am
 Operator : LM
 Sample : 211237-04 1/0.25
 Misc : soil
 ALS Vial : 41 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:46:55 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 111848.D\data.ms

(62) 1,2,3-Trichloropropane (TMP)

8.508min (-0.190) 6.229 ppb

response	18141
Ion	Exp% Act%
75.00	100.00 100.00
77.00	34.00 1.50#
109.90	36.50 0.00#
96.90	22.60 0.00

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111848.D
 Acq On : 19 Nov 2022 02:15 am
 Operator : LM
 Sample : 211237-04 1/0.25
 Misc : soil
 ALS Vial : 41 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:46:55 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

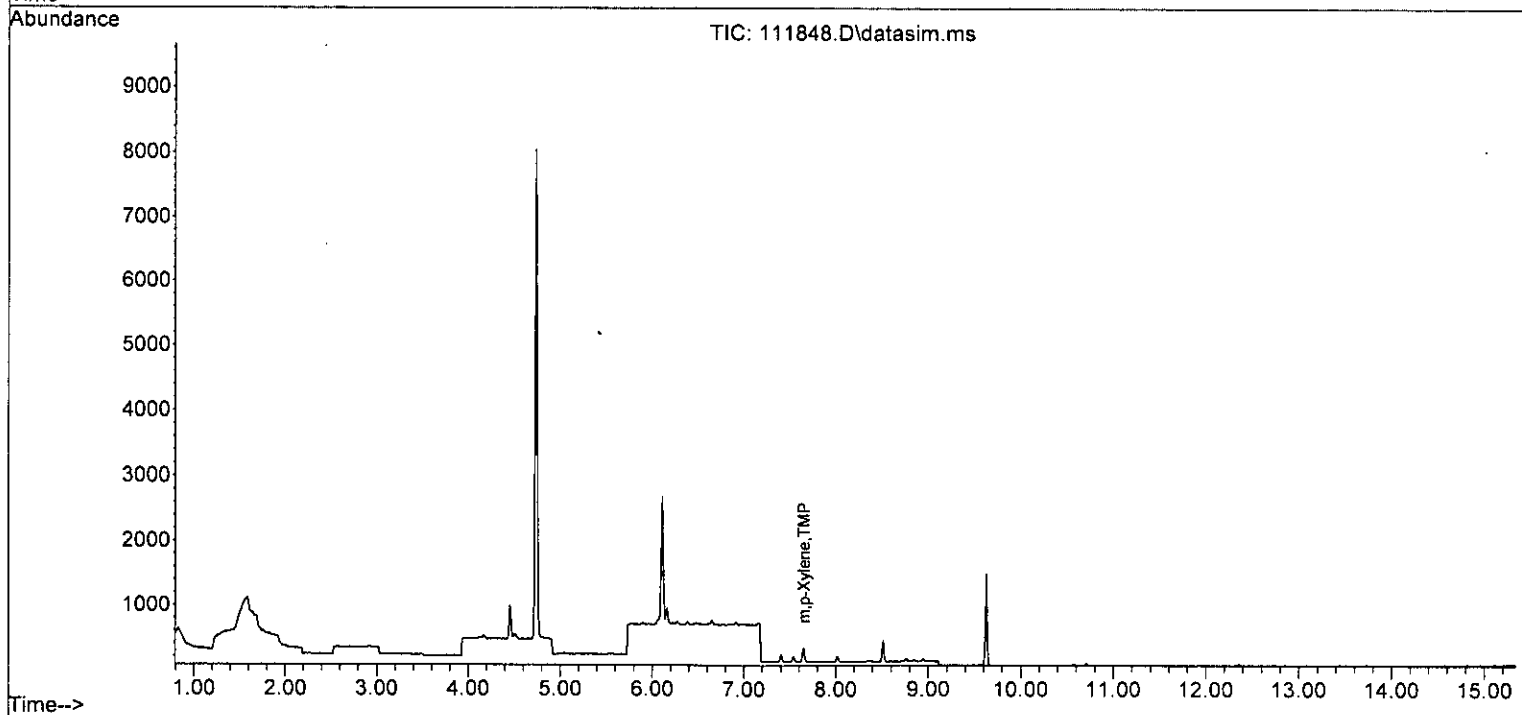
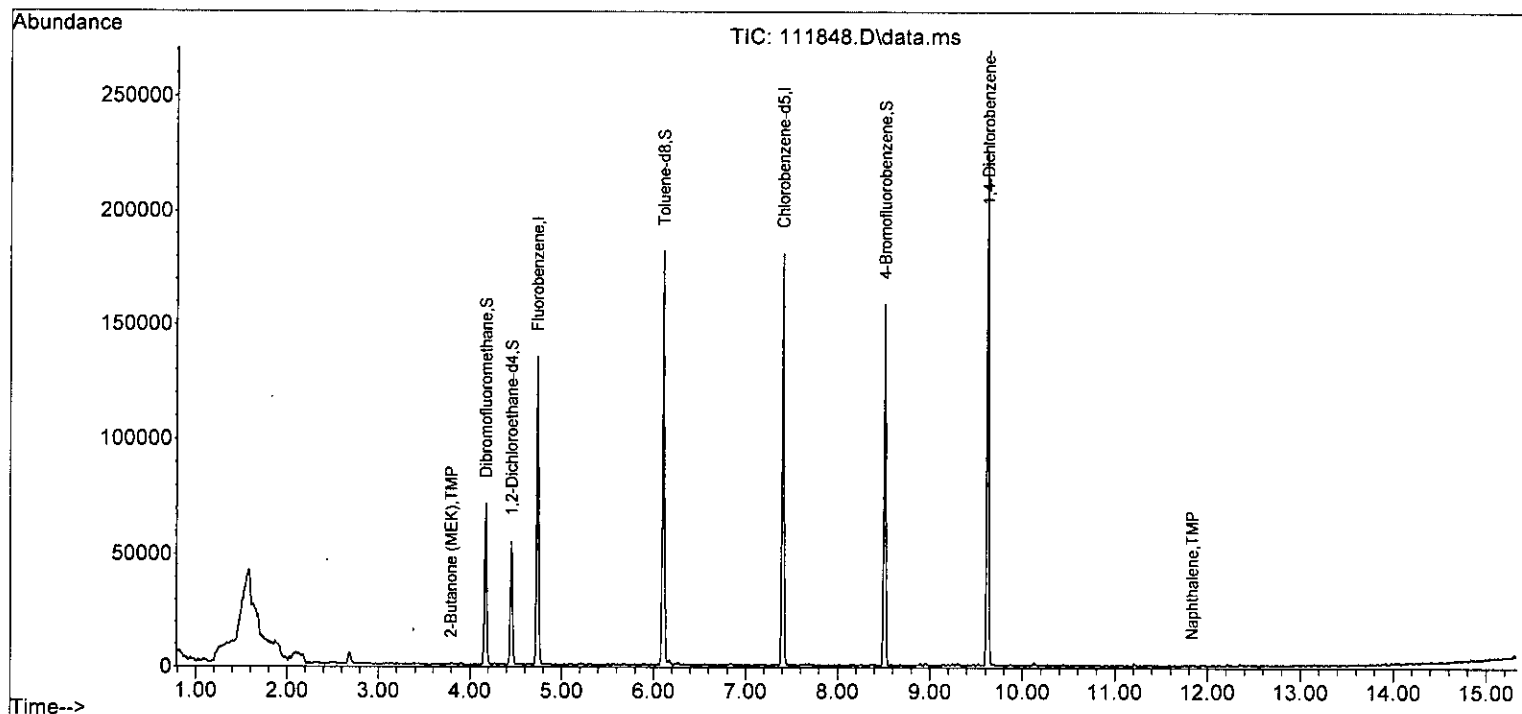
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

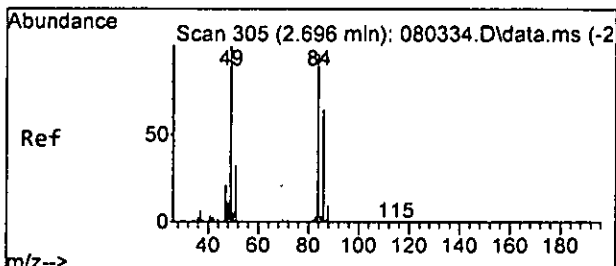
Internal Standards						
1) Fluorobenzene	4.73	96	102670	10.000	ppb	-0.01
39) Chlorobenzene-d5	7.40	117	94925	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	59899	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.17	113	33195	10.082	ppb	0.00
Spiked Amount	10.000	Range	50 - 150	Recovery	=	100.80%
30) 1,2-Dichloroethane-d4	4.45	102	6011	9.421	ppb	0.00
Spiked Amount	10.000	Range	84 - 120	Recovery	=	94.20%
35) Toluene-d8	6.11	98	99483	10.160	ppb	0.00
Spiked Amount	10.000	Range	73 - 128	Recovery	=	101.60%
57) 4-Bromofluorobenzene	8.51	95	38316	9.283	ppb	0.00
Spiked Amount	10.000	Range	57 - 146	Recovery	=	92.80%
Target Compounds						
14) Methylene chloride	2.68	84	2939	Below Cal		Qvalue 97
24) 2-Butanone (MEK)	3.79	43	750	0.327	ppb	55
26] 1,2-Dichloroethane (EDC)	4.52	62	71	Below Cal		87
45] Tetrachloroethene	6.65	164	37	Below Cal		93
46) Dibromochloromethane	6.93	129	57	Below Cal	#	11
51] m,p-Xylene	7.65	106	115	0.020	ppb #	76
75) Naphthalene	11.83	128	106	0.088	ppb	69

(#) = qualifier out of range (m) = manual integration (+) = signals summed

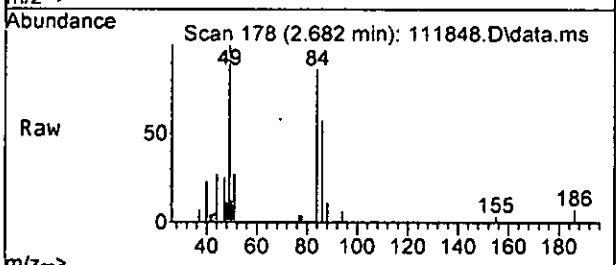
Data Path : Y:\Proc_GCMS13\11-18-22\
Data File : 111848.D
Acq On : 19 Nov 2022 02:15 am
Operator : LM
Sample : 211237-04 1/0.25
Misc : soil
ALS Vial : 41 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Nov 21 09:46:55 2022
Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
QLast Update : Mon Nov 07 15:16:10 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M

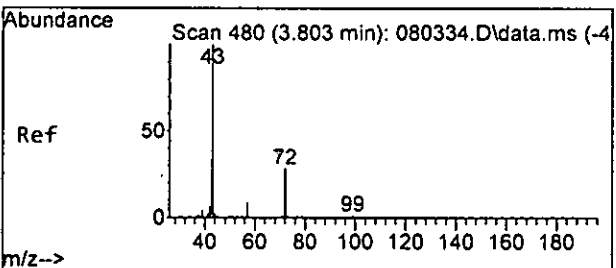
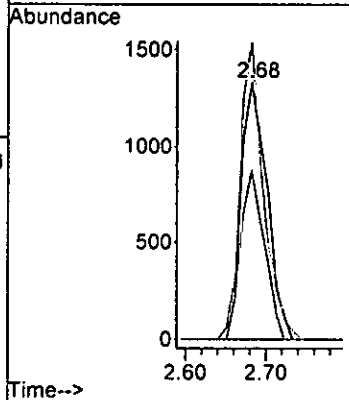
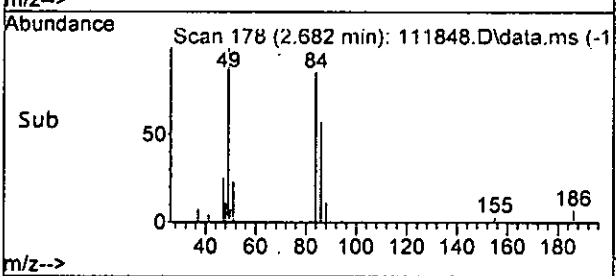




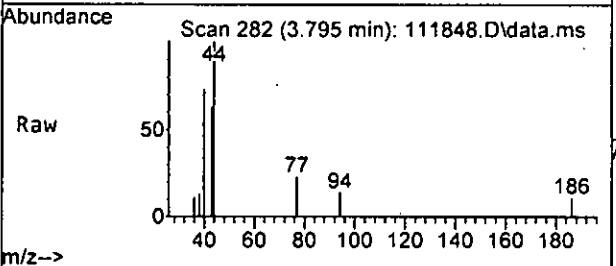
#14
 Methylene chloride
 Concen: Below Cal
 RT: 2.68 min Scan# 178
 Delta R.T. -0.000 min
 Lab File: 111848.D
 Acq: 19 Nov 2022 02:15 am



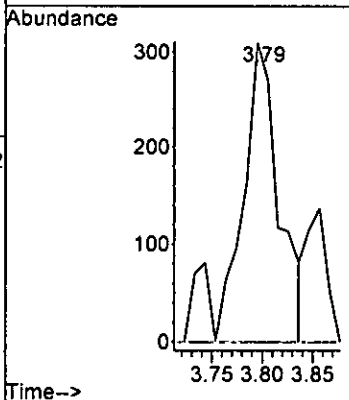
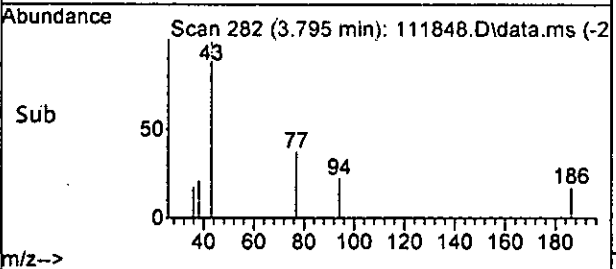
Tgt Ion: 84 Resp: 2939
 Ion Ratio Lower Upper
 84 100
 86 66.0 37.1 97.1
 49 115.7 81.3 141.3

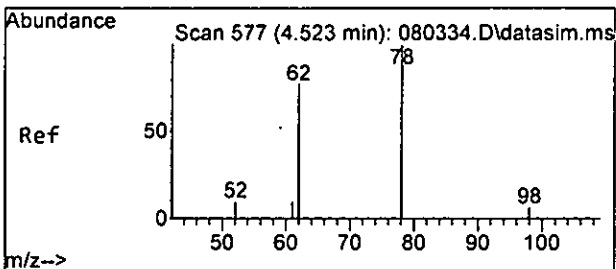


#24
 2-Butanone (MEK)
 Concen: 0.327 ppb
 RT: 3.79 min Scan# 282
 Delta R.T. -0.000 min
 Lab File: 111848.D
 Acq: 19 Nov 2022 02:15 am



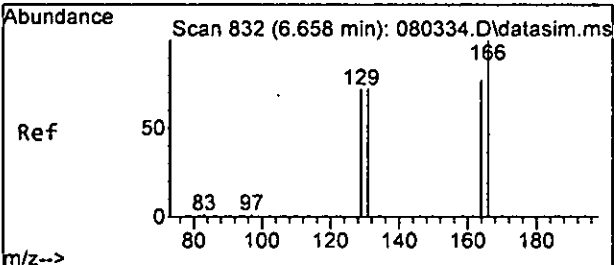
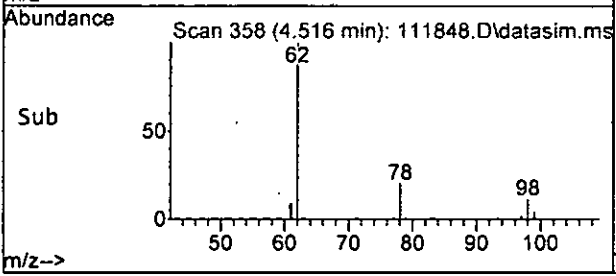
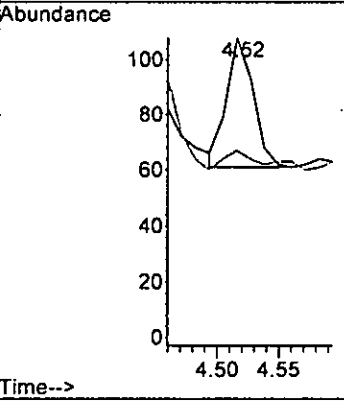
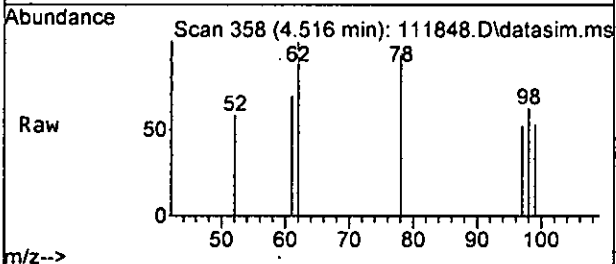
Tgt Ion: 43 Resp: 750
 Ion Ratio Lower Upper
 43 100
 72 0.0 0.0 57.0
 57 0.0 0.0 28.0





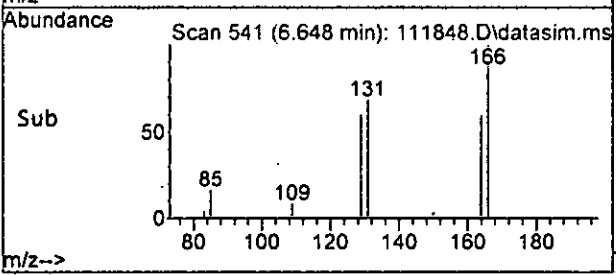
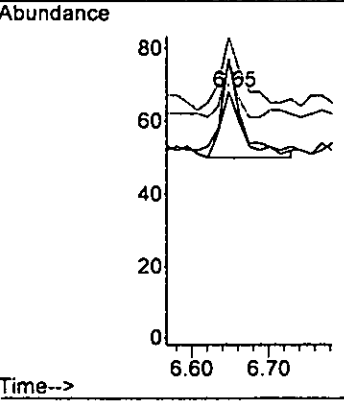
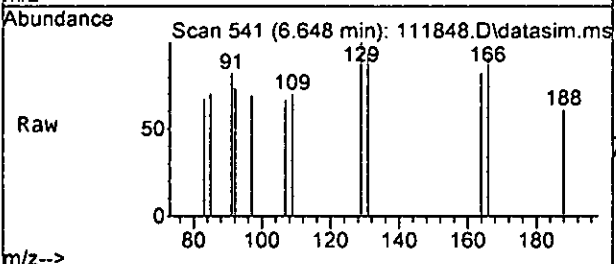
#26
 1,2-Dichloroethane (EDC)
 Concen: Below Cal
 RT: 4.52 min Scan# 358
 Delta R.T. -0.011 min
 Lab File: 111848.D
 Acq: 19 Nov 2022 02:15 am

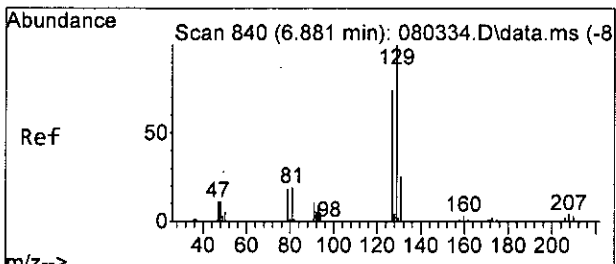
Tgt Ion: 62 Resp: 71
 Ion Ratio Lower Upper
 62 100
 98 14.9 0.0 40.1



#45
 Tetrachloroethene
 Concen: Below Cal
 RT: 6.65 min Scan# 541
 Delta R.T. -0.000 min
 Lab File: 111848.D
 Acq: 19 Nov 2022 02:15 am

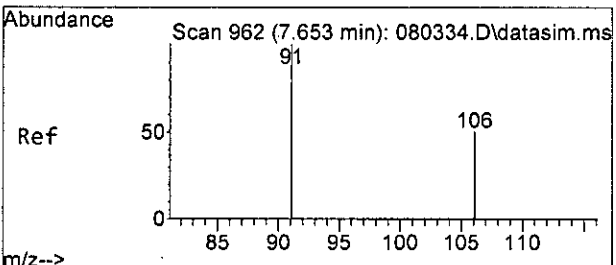
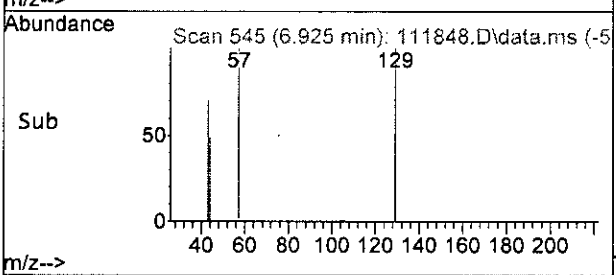
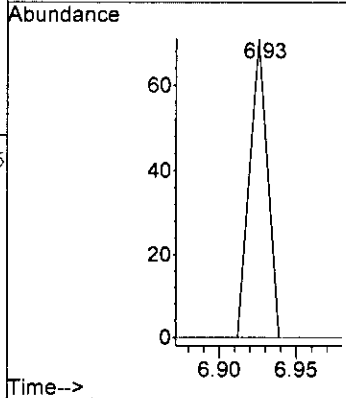
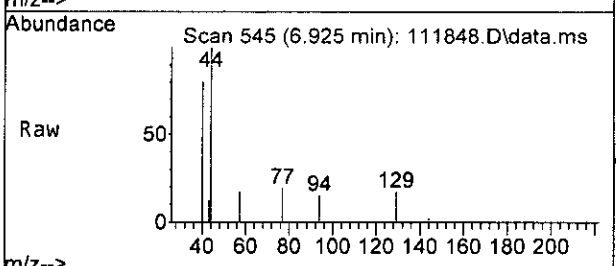
Tgt Ion: 164 Resp: 37
 Ion Ratio Lower Upper
 164 100
 129 100.0 72.1 132.1
 131 88.9 64.8 124.8
 166 133.3 90.0 150.0





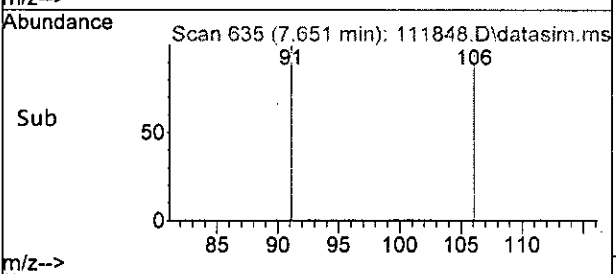
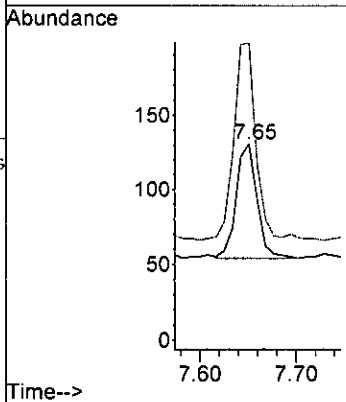
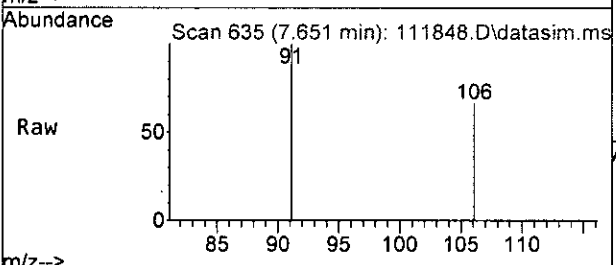
#46
 Dibromochloromethane
 Concen: Below Cal
 RT: 6.93 min Scan# 545
 Delta R.T. 0.040 min
 Lab File: 111848.D
 Acq: 19 Nov 2022 02:15 am

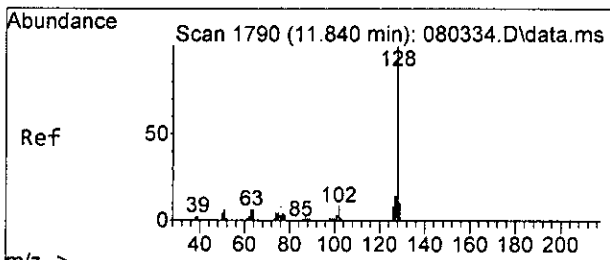
Tgt Ion:129 Resp: 57
 Ion Ratio Lower Upper
 129 100
 127 0.0 46.8 106.8#



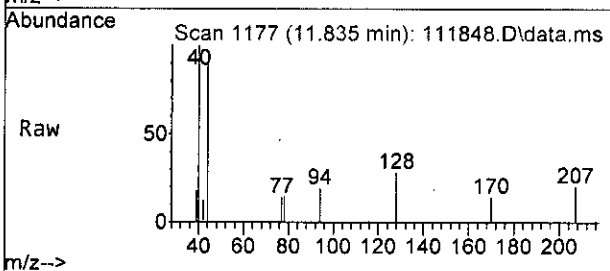
#51
 m,p-Xylene
 Concen: 0.020 ppb
 RT: 7.65 min Scan# 635
 Delta R.T. 0.000 min
 Lab File: 111848.D
 Acq: 19 Nov 2022 02:15 am

Tgt Ion:106 Resp: 115
 Ion Ratio Lower Upper
 106 100
 91 168.8 175.7 235.7#



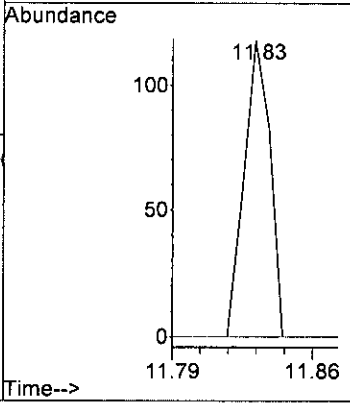
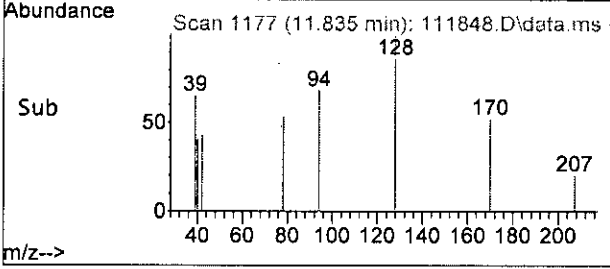


#75
 Naphthalene
 Concen: 0.088 ppb
 RT: 11.83 min Scan# 1177
 Delta R.T. -0.000 min
 Lab File: 111848.D
 Acq: 19 Nov 2022 02:15 am



Tgt Ion: 128 Resp: 106

Ion	Ratio	Lower	Upper
128	100		
129	0.0	0.0	40.8
127	0.0	0.0	43.1



Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111848.D
 Acq On : 19 Nov 2022 02:15 am
 Operator : LM
 Sample : 211237-04 1/0.25
 Misc : soil
 ALS Vial : 41 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:46:55 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	4.73	96	102670	10.000	ppb	-0.01	
39) Chlorobenzene-d5	7.40	117	94925	10.000	ppb	0.00	
56) 1,4-Dichlorobenzene-d4	9.62	152	59899	10.000	ppb	0.00	
System Monitoring Compounds							
3) Dibromofluoromethane	4.17	113	33195	10.082	ppb	0.00	
Spiked Amount	10.000	Range 50 - 150	Recovery	=	100.80%		
30) 1,2-Dichloroethane-d4	4.45	102	6011	9.421	ppb	0.00	
Spiked Amount	10.000	Range 84 - 120	Recovery	=	94.20%		
35) Toluene-d8	6.11	98	99483	10.160	ppb	0.00	
Spiked Amount	10.000	Range 73 - 128	Recovery	=	101.60%		
57) 4-Bromofluorobenzene	8.51	95	38316	9.283	ppb	0.00	
Spiked Amount	10.000	Range 57 - 146	Recovery	=	92.80%		
Target Compounds							
							Qvalue
2) Ethanol	2.34	45	71	No Calib			
4) Dichlorodifluoromethane	0.00		0	N.D.			
5) Chloromethane	1.24	50	420	N.D.			
6) Vinyl chloride	0.00		0	N.D. d			
7) Bromomethane	0.00		0	N.D. d			
8) Chloroethane	0.00		0	N.D.			
9) Trichlorofluoromethane	0.00		0	N.D.			
10) 2-Propanol	2.34	45	71	No Calib	#		
11) Acetone	0.00		0	N.D.			
12) 1,1-Dichloroethene	0.00		0	N.D. d			
13) Hexane	3.15	57	83	N.D.			
14) Methylene chloride	2.68	84	2939	Below Cal		97	
15) t-Butyl alcohol (TBA)	0.00		0	N.D.			
16) Methyl t-butyl ether (...)	0.00		0	N.D.			
17) trans-1,2-Dichloroethene	0.00		0	N.D.			
18) Diisopropyl ether (DIPE)	0.00		0	N.D.			
19) 1,1-Dichloroethane	0.00		0	N.D.			
20) Ethyl t-butyl ether (E...)	0.00		0	N.D.			
21) 2,2-Dichloropropane	3.79	77	298	N.D.			
22) cis-1,2-Dichloroethene	0.00		0	N.D.			
23) Chloroform	0.00		0	N.D.			
24) 2-Butanone (MEK)	3.79	43	750	0.327	ppb	55	
25) t-Amyl methyl ether (T...)	0.00		0	N.D.			
26] 1,2-Dichloroethane (EDC)	4.52	62	71	Below Cal		87	
27) 1,1,1-Trichloroethane	0.00		0	N.D.			
28) 1,1-Dichloropropene	0.00		0	N.D.			
29) Carbon tetrachloride	0.00		0	N.D.			
31) Benzene	4.50	78	72	N.D.			
32) Trichloroethene	0.00		0	N.D. d			
33) 1,2-Dichloropropane	5.19	63	82	N.D.			
34) Bromodichloromethane	0.00		0	N.D.			
36) Dibromomethane	0.00		0	N.D.			

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111848.D
 Acq On : 19 Nov 2022 02:15 am
 Operator : LM
 Sample : 211237-04 1/0.25
 Misc : soil
 ALS Vial : 41 Sample Multiplier: 1
 InstName : GCMS13

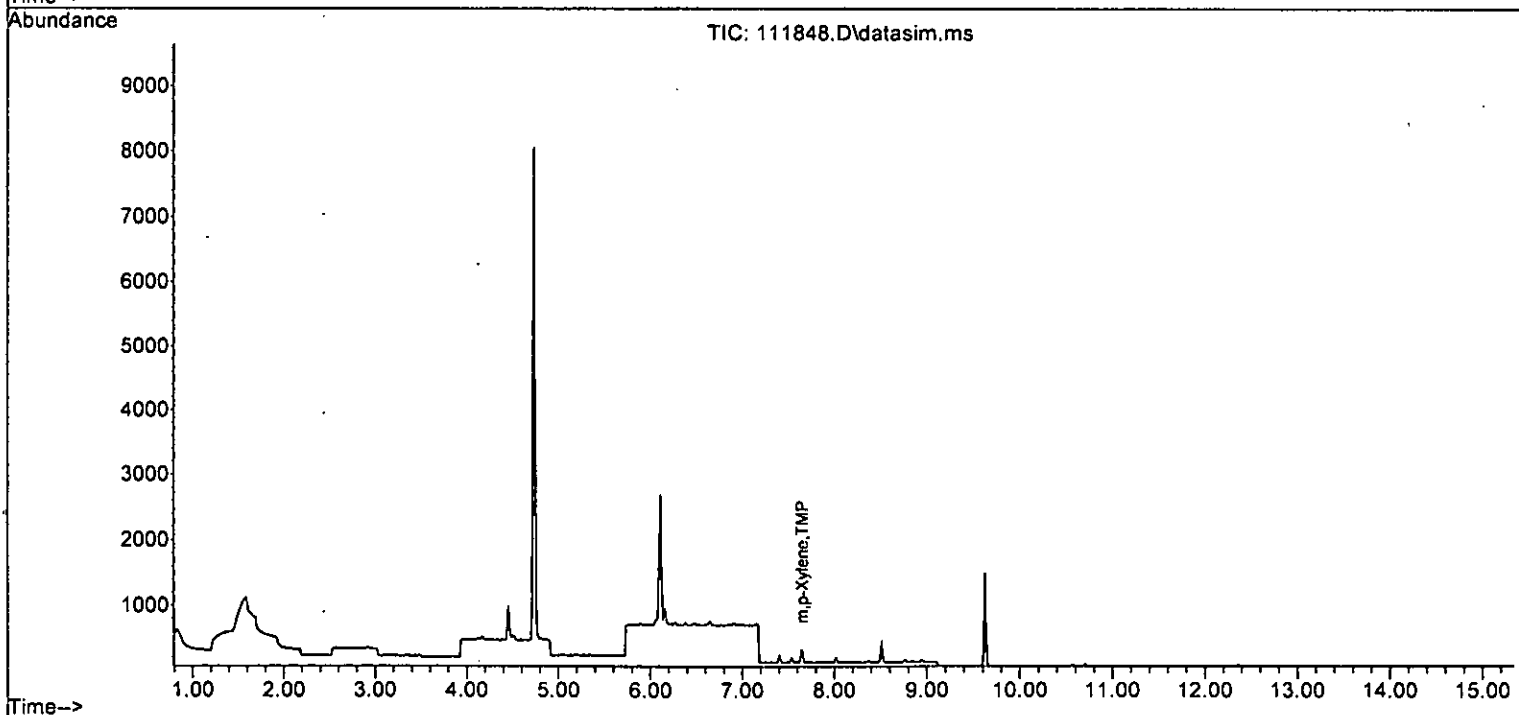
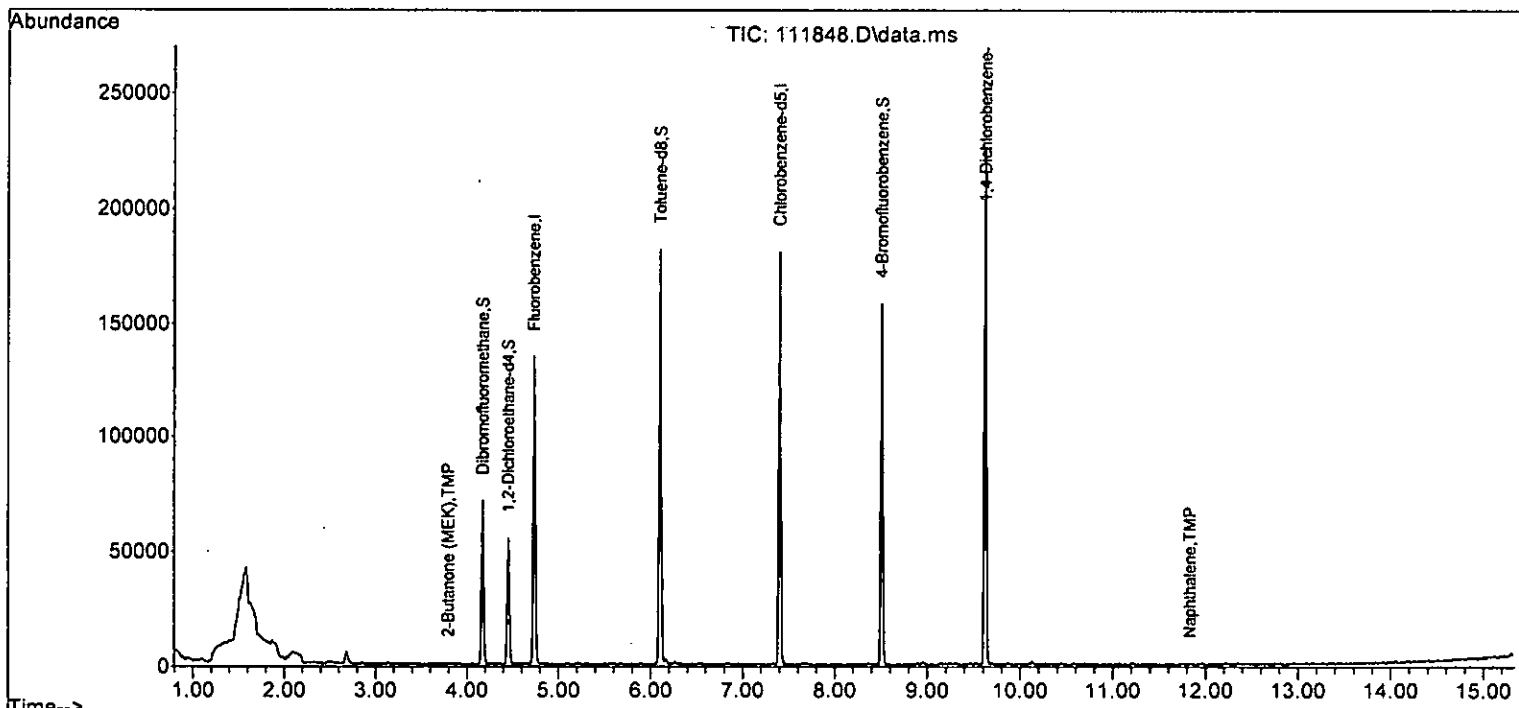
Quant Time: Nov 21 09:46:55 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.00		0		N.D.	
38) cis-1,3-Dichloropropene	0.00		0		N.D.	
40) Toluene	6.16	92	136		N.D.	
41) trans-1,3-Dichloropropene	0.00		0		N.D. d	
42) 1,1,2-Trichloroethane	0.00		0		N.D.	
43) 2-Hexanone	6.76	43	92		N.D.	
44) 1,3-Dichloropropane	0.00		0		N.D.	
45] Tetrachloroethene	6.65	164	37	Below Cal		93
46) Dibromochloromethane	6.93	129	57	Below Cal	#	11
47) 1,2-Dibromoethane (EDB)	0.00		0		N.D.	
48) Chlorobenzene	0.00		0		N.D.	
49) Ethylbenzene	7.54	91	95		N.D.	
50) 1,1,1,2-Tetrachloroethane	0.00		0		N.D.	
51] m,p-Xylene	7.65	106	115	0.020 ppb	#	76
52) o-Xylene	8.02	106	49		N.D.	
53) Styrene	0.00		0		N.D.	
54) Isopropylbenzene	8.37	105	125		N.D.	
55) Bromoform	0.00		0		N.D.	
58) n-Propylbenzene	8.76	91	112		N.D.	
59) Bromobenzene	0.00		0		N.D.	
60) 1,3,5-Trimethylbenzene	8.90	105	65		N.D.	
61) 1,1,2,2-Tetrachloroethane	0.00		0		N.D.	
62) 1,2,3-Trichloropropane	0.00		0		N.D. d	
63) 2-Chlorotoluene	8.84	91	34		N.D.	
64) 4-Chlorotoluene	8.84	91	34		N.D.	
65) tert-Butylbenzene	0.00		0		N.D.	
66) 1,2,4-Trimethylbenzene	9.30	105	304		N.D.	
67) sec-Butylbenzene	9.46	105	23		N.D.	
68) p-Isopropyltoluene	9.60	119	130		N.D.	
69) 1,3-Dichlorobenzene	0.00		0		N.D.	
70) 1,4-Dichlorobenzene	0.00		0		N.D.	
71) 1,2-Dichlorobenzene	10.01	146	21		N.D.	
72) 1,2-Dibromo-3-chloropr...	0.00		0		N.D.	
73) 1,2,4-Trichlorobenzene	0.00		0		N.D.	
74) Hexachlorobutadiene	0.00		0		N.D.	
75) Naphthalene	11.83	128	106	0.088 ppb		69
76) 1,2,3-Trichlorobenzene	0.00		0		N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111848.D
 Acq On : 19 Nov 2022 02:15 am
 Operator : LM
 Sample : 211237-04 1/0.25
 Misc : soil
 ALS Vial : 41 Sample Multiplier: 1
 InstName : GCMS13

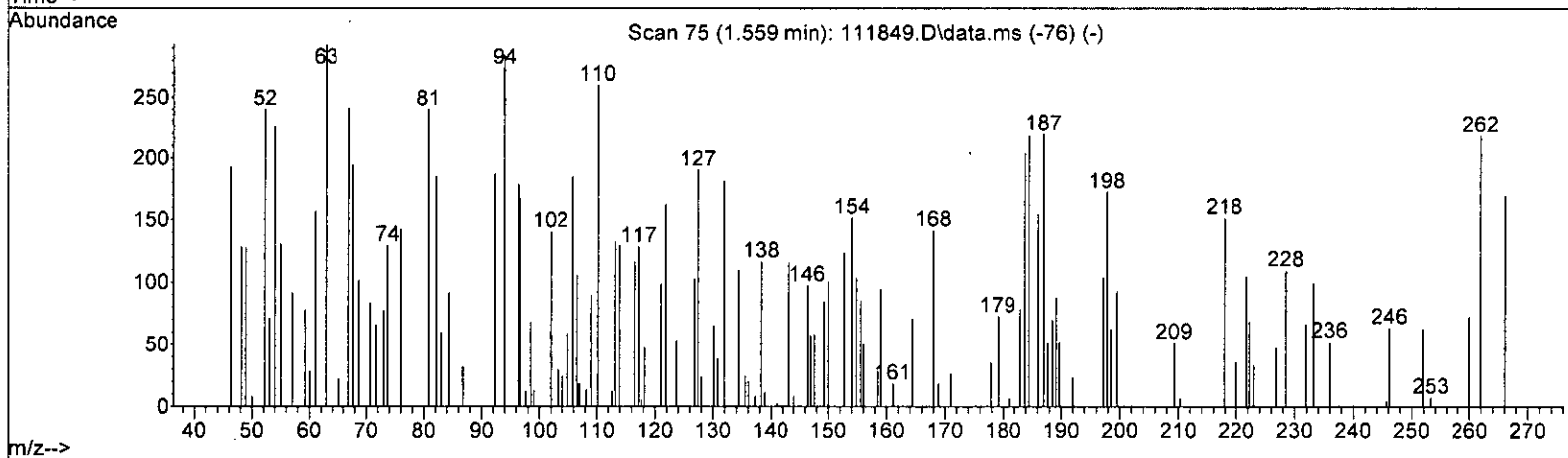
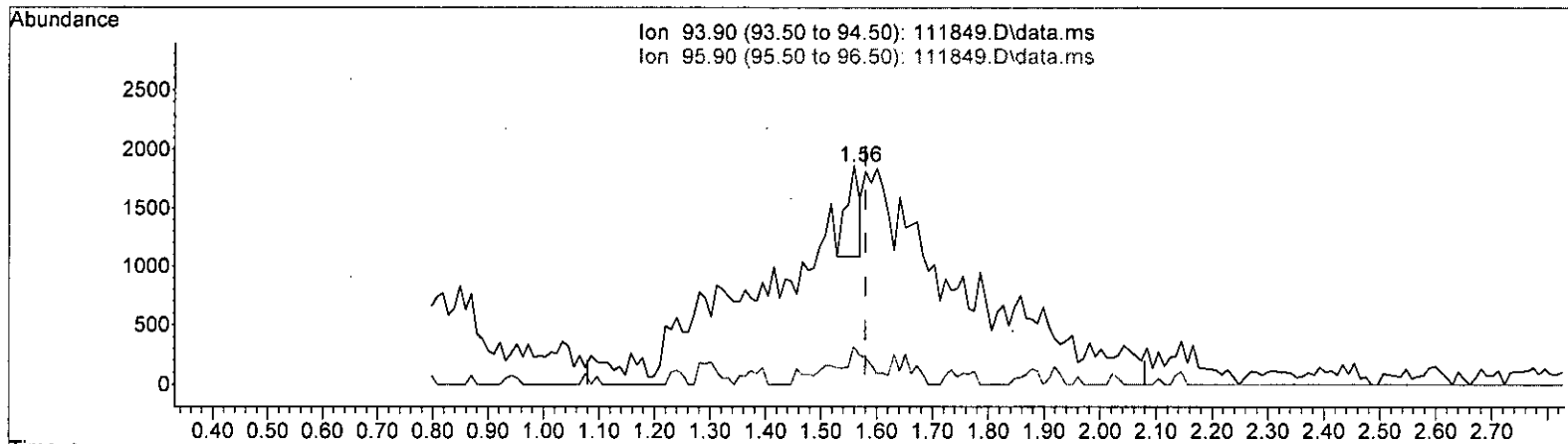
Quant Time: Nov 21 09:46:55 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111849.D
 Acq On : 19 Nov 2022 02:38 am
 Operator : LM
 Sample : 211237-05 1/0.25
 Misc : soil
 ALS Vial : 42 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:46:59 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



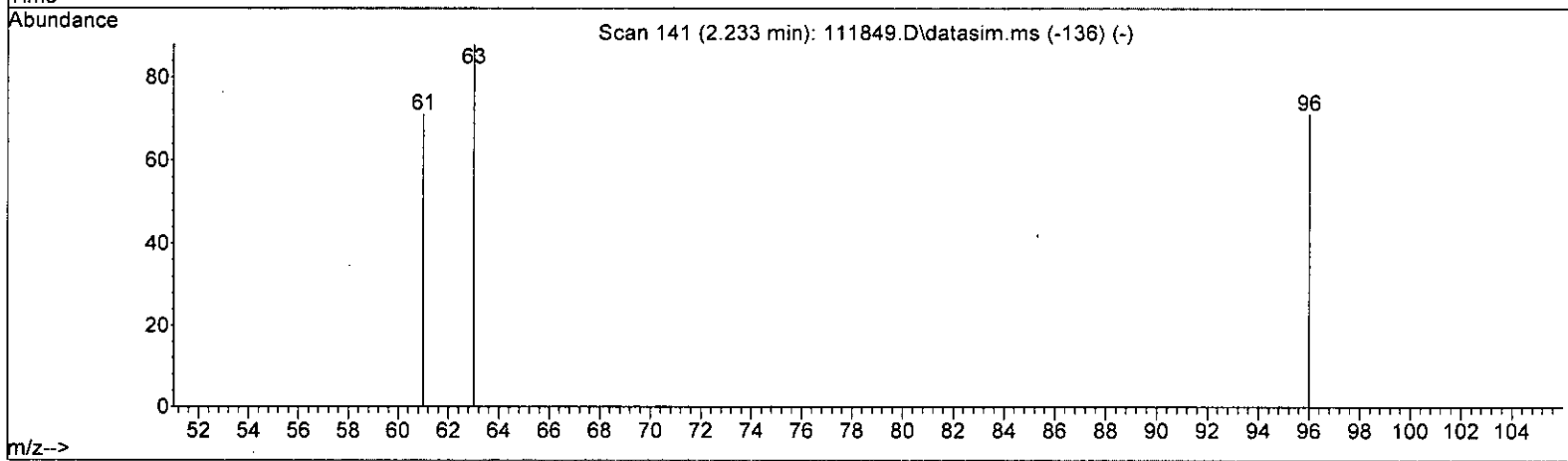
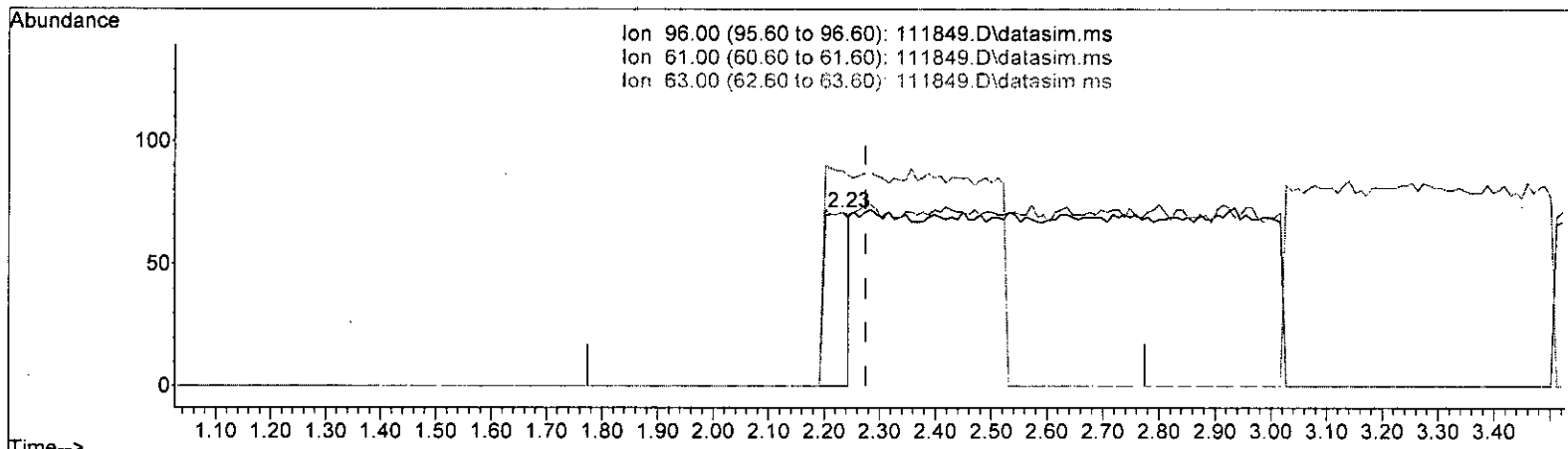
TIC: 111849.D\data.ms

(7) Bromomethane (TMP)		
1.559min (-0.021) 0.269 ppb.		
response	1313	
Ion	Exp%	Act%
93.90	100.00	100.00
95.90	93.50	23.11#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111849.D
 Acq On : 19 Nov 2022 02:38 am
 Operator : LM
 Sample : 211237-05 1/0.25
 Misc : soil
 ALS Vial : 42 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:46:59 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 111849.D\data.ms

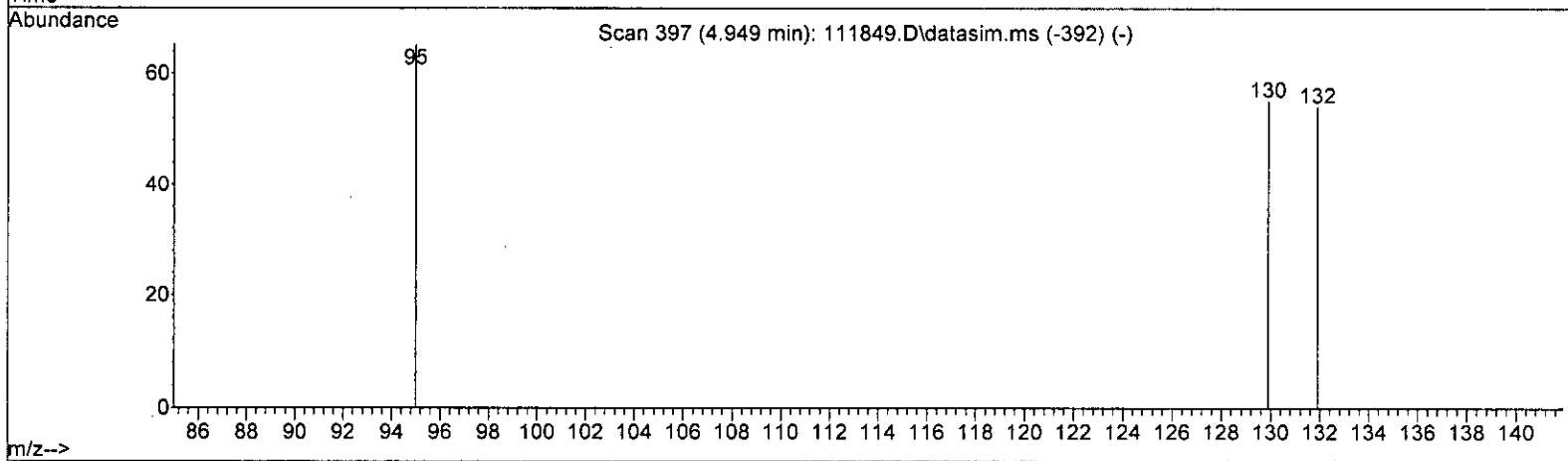
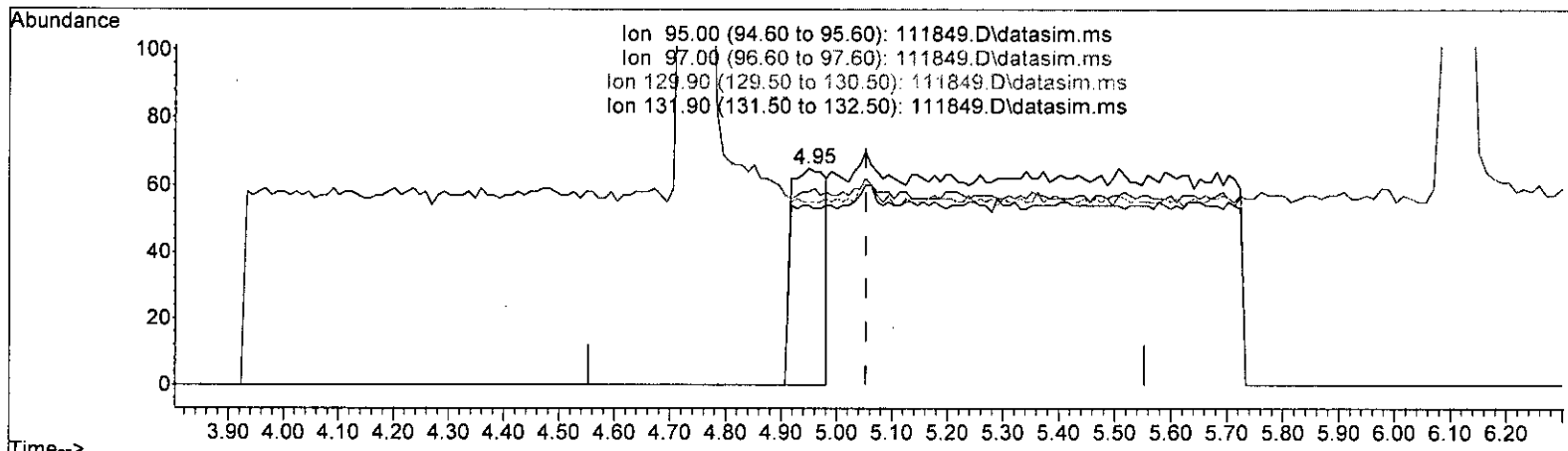
(12) 1,1-Dichloroethene (TMP)
 2.233min (-0.042) 0.067 ppb

response	216
Ion	Exp% Act%
96.00	100.00 100.00
61.00	120.90 100.00
63.00	43.90 123.94#
0.00	0.00 0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111849.D
 Acq On : 19 Nov 2022 02:38 am
 Operator : LM
 Sample : 211237-05 1/0.25
 Misc : soil
 ALS Vial : 42 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:46:59 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 111849.D\data.ms

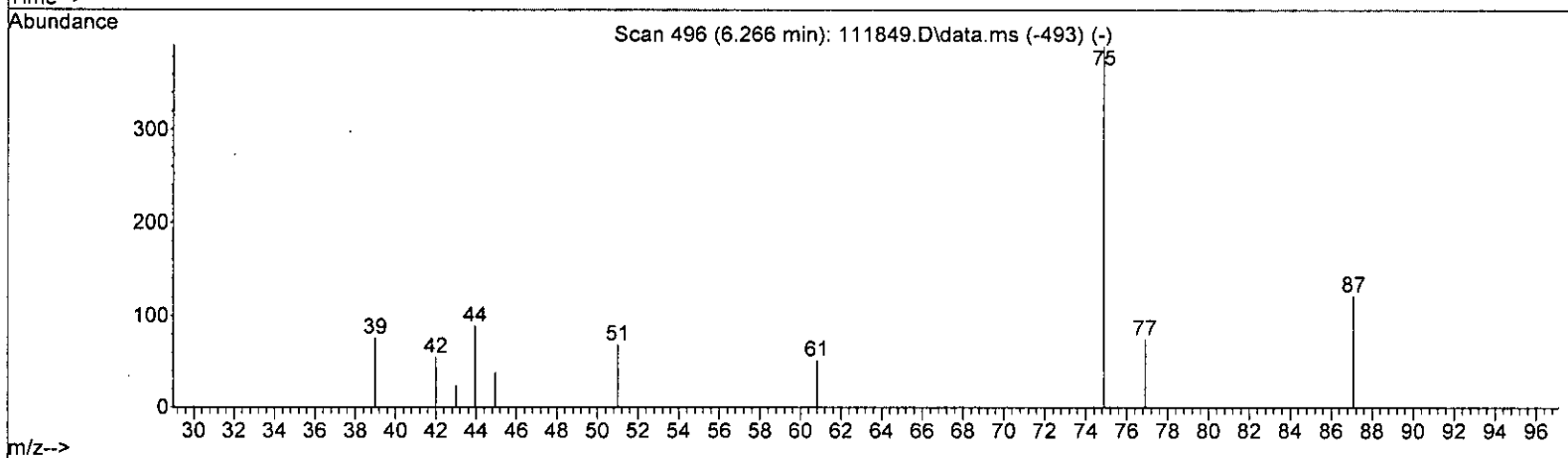
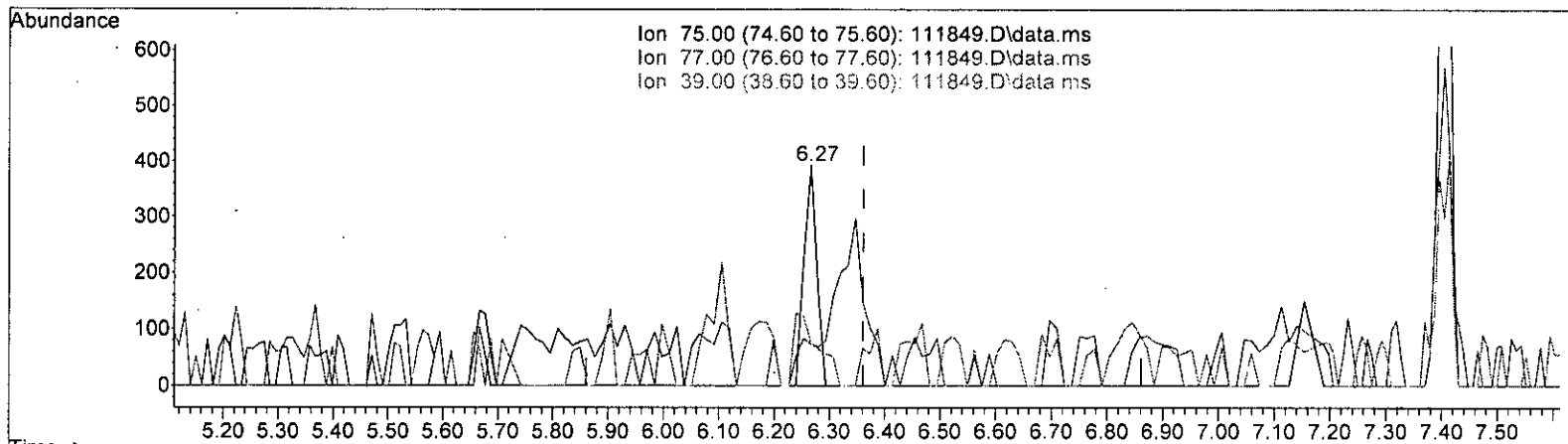
(32) Trichloroethene (TMP)
 4.949min (-0.104) 0.067 ppb
 response 279

Ion	Exp%	Act%
95.00	100.00	100.00
97.00	64.60	0.00#
129.90	103.40	84.62
131.90	95.80	83.08

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111849.D
 Acq On : 19 Nov 2022 02:38 am
 Operator : LM
 Sample : 211237-05 1/0.25
 Misc : soil
 ALS Vial : 42 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:46:59 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 111849.D\data.ms

(41) trans-1,3-Dichloropropene (TMP)

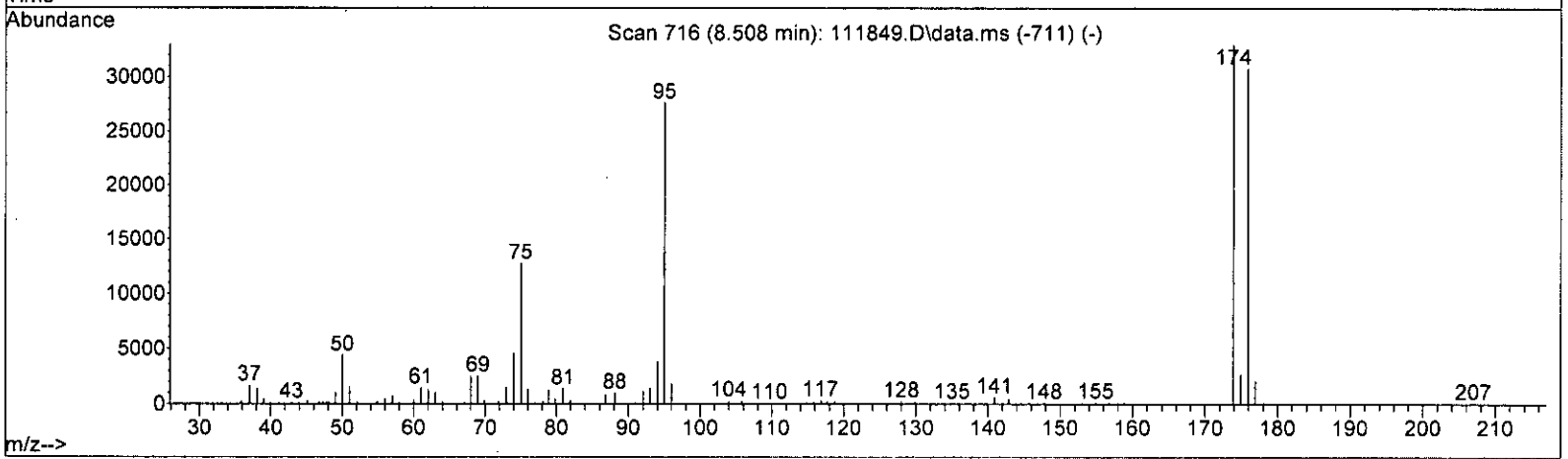
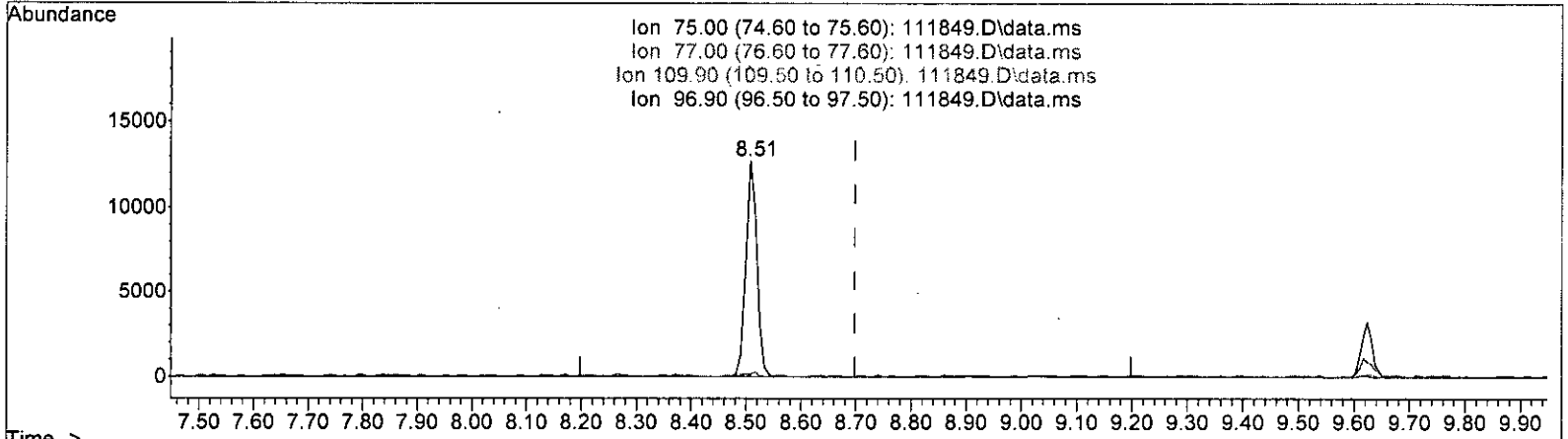
6.266min (-0.095) 0.190 ppb

response	620	
Ion	Exp%	Act%
75.00	100.00	100.00
77.00	32.60	18.88
39.00	46.30	19.13
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111849.D
 Acq On : 19 Nov 2022 02:38 am
 Operator : LM
 Sample : 211237-05 1/0.25
 Misc : soil
 ALS Vial : 42 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:46:59 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 111849.D\data.ms

(62) 1,2,3-Trichloropropane (TMP)		
8.508min (-0.190) 6.189 ppb		
response	17672	
Ion	Exp%	Act%
75.00	100.00	100.00
77.00	34.00	0.42#
109.90	36.50	0.45#
96.90	22.60	0.00

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111849.D
 Acq On : 19 Nov 2022 02:38 am
 Operator : LM
 Sample : 211237-05 1/0.25
 Misc : soil
 ALS Vial : 42 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:46:59 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

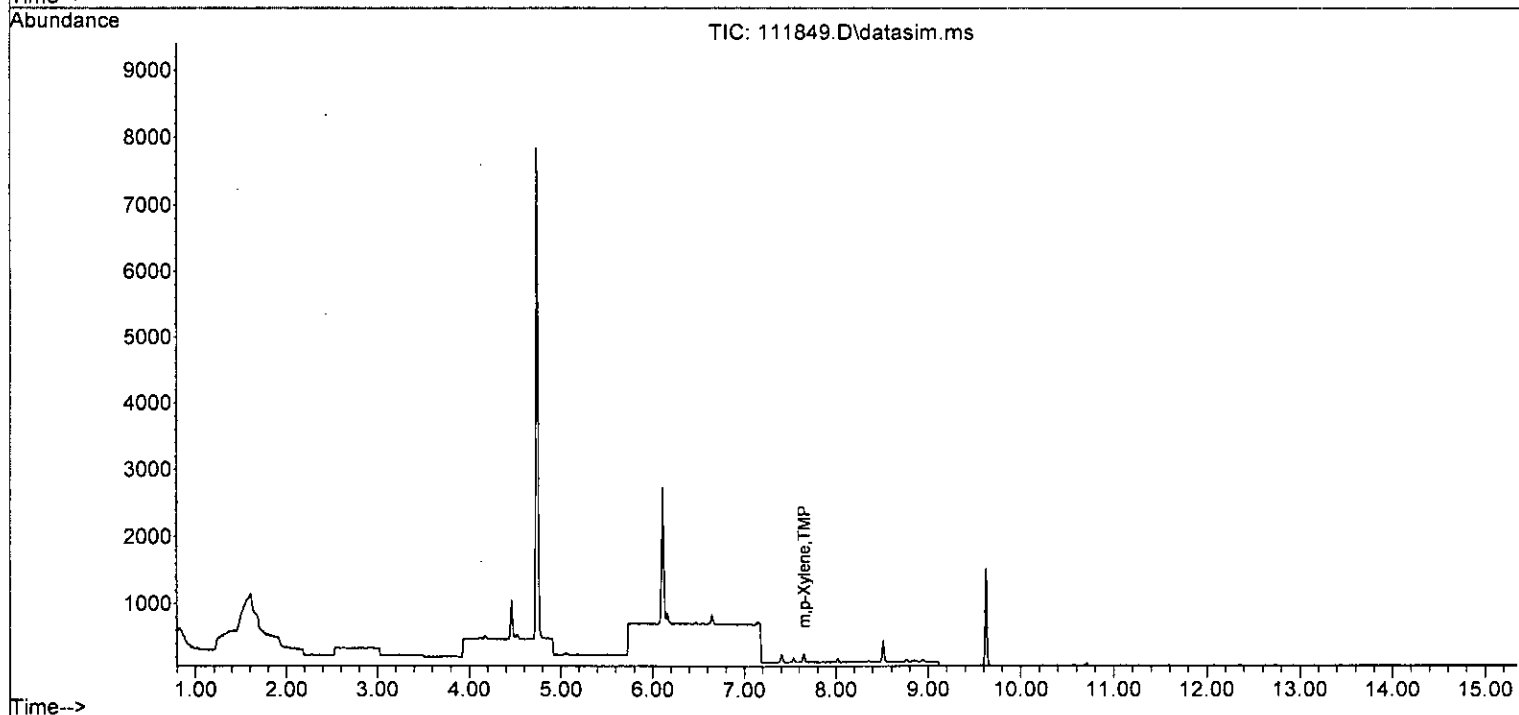
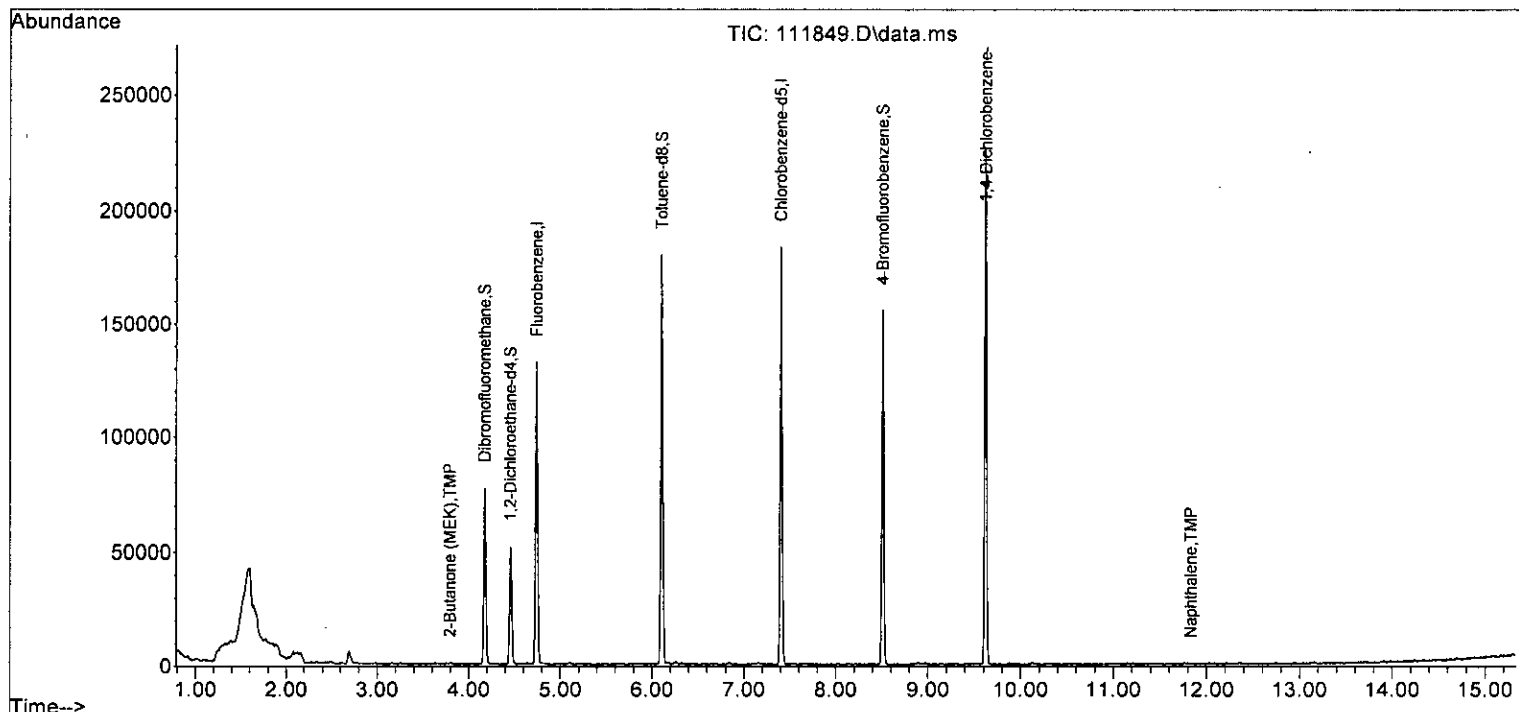
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

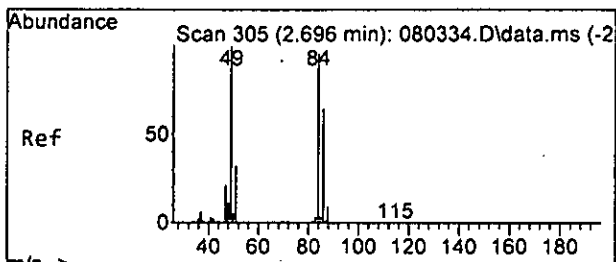
Internal Standards						
1) Fluorobenzene	4.75	96	112879	10.000	ppb	0.00
39) Chlorobenzene-d5	7.40	117	95887	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	58726	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.17	113	33598	9.281	ppb	0.00
Spiked Amount	10.000	Range 50 - 150	Recovery	=	92.80%	
30) 1,2-Dichloroethane-d4	4.45	102	6441	9.182	ppb	0.00
Spiked Amount	10.000	Range 84 - 120	Recovery	=	91.80%	
35) Toluene-d8	6.11	98	99009	9.197	ppb	0.00
Spiked Amount	10.000	Range 73 - 128	Recovery	=	92.00%	
57) 4-Bromofluorobenzene	8.51	95	38300	9.465	ppb	0.00
Spiked Amount	10.000	Range 57 - 146	Recovery	=	94.60%	
Target Compounds						
14) Methylene chloride	2.69	84	3029	Below Cal		Qvalue 90
24) 2-Butanone (MEK)	3.79	43	550	0.132	ppb	55
26] 1,2-Dichloroethane (EDC)	4.53	62	77	Below Cal		95
40] Toluene	6.16	92	84	Below Cal		91
45] Tetrachloroethene	6.65	164	56	Below Cal		94
51] m,p-Xylene	7.65	106	70	0.012	ppb #	77
75) Naphthalene	11.83	128	58	0.083	ppb	69

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS13\11-18-22\
Data File : 111849.D
Acq On : 19 Nov 2022 02:38 am
Operator : LM
Sample : 211237-05 1/0.25
Misc : soil
ALS Vial : 42 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Nov 21 09:46:59 2022
Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
QLast Update : Mon Nov 07 15:16:10 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M

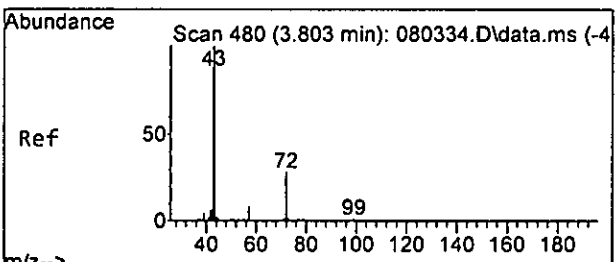
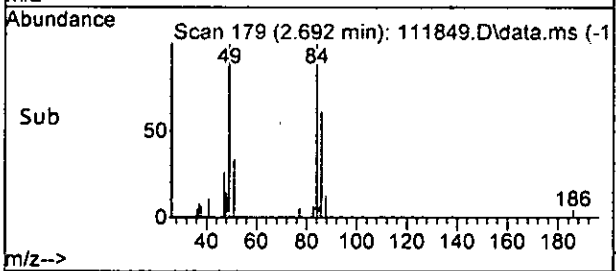
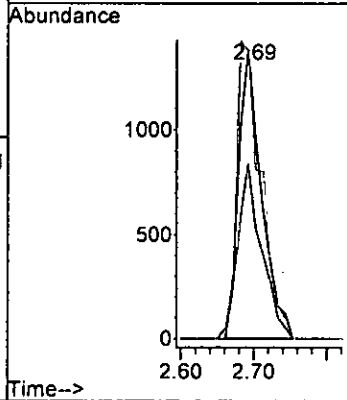
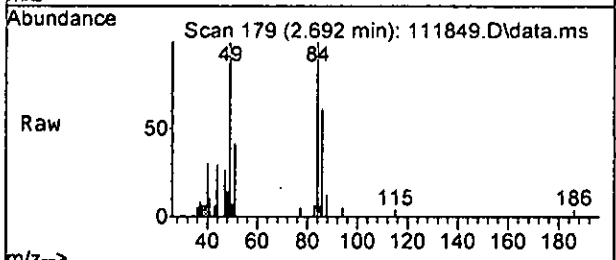




#14
 Methylene chloride
 Concen: Below Cal
 RT: 2.69 min Scan# 179
 Delta R.T. 0.010 min
 Lab File: 111849.D
 Acq: 19 Nov 2022 02:38 am

Tgt Ion: 84 Resp: 3029

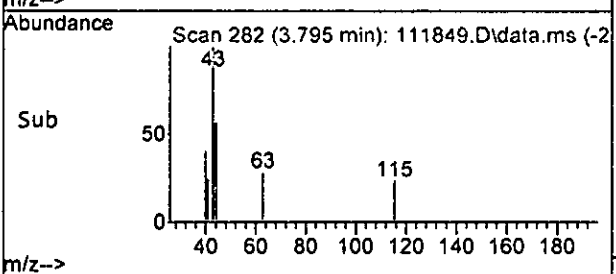
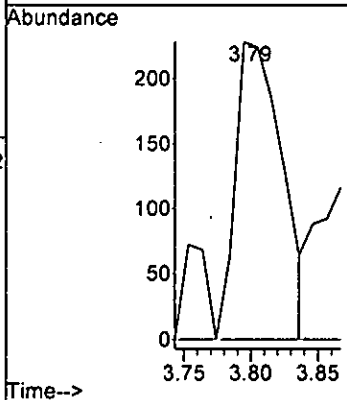
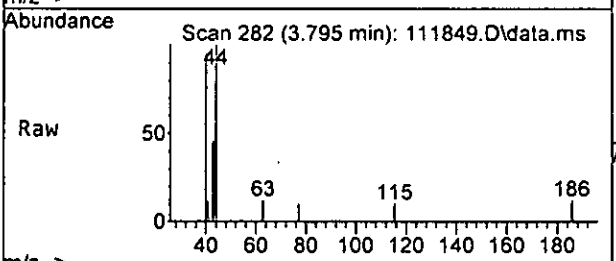
Ion	Ratio	Lower	Upper
84	100		
86	61.1	37.1	97.1
49	99.6	81.3	141.3

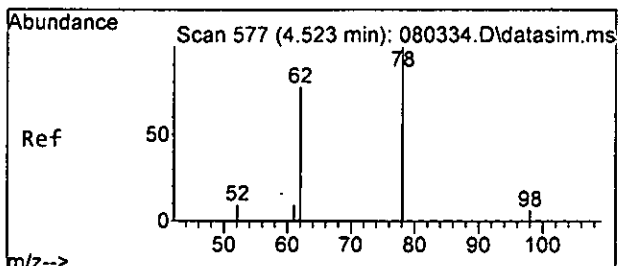


#24
 2-Butanone (MEK)
 Concen: 0.132 ppb
 RT: 3.79 min Scan# 282
 Delta R.T. -0.000 min
 Lab File: 111849.D
 Acq: 19 Nov 2022 02:38 am

Tgt Ion: 43 Resp: 550

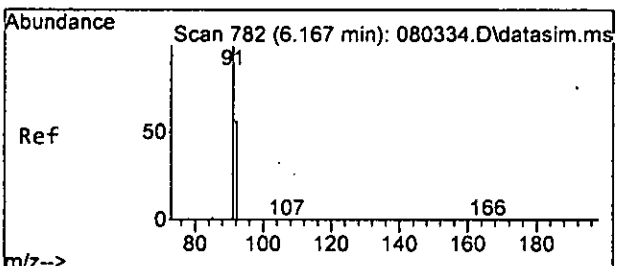
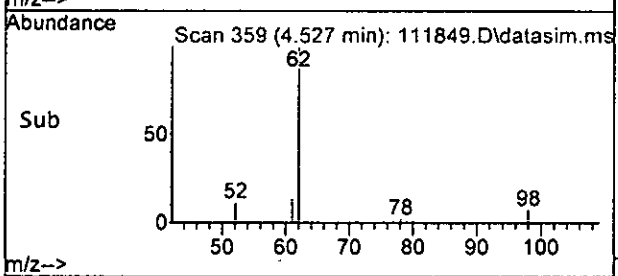
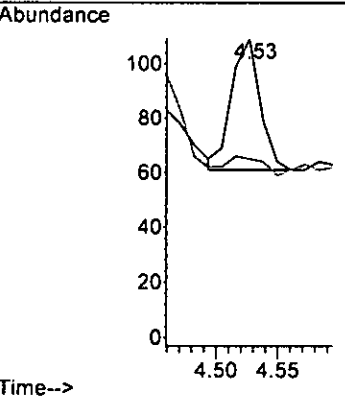
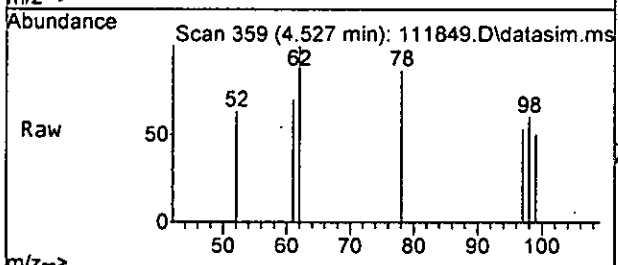
Ion	Ratio	Lower	Upper
43	100		
72	0.0	0.0	57.0
57	0.0	0.0	28.0





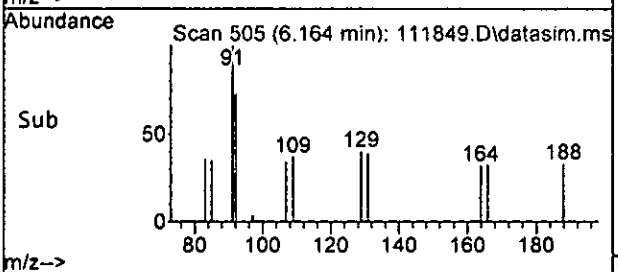
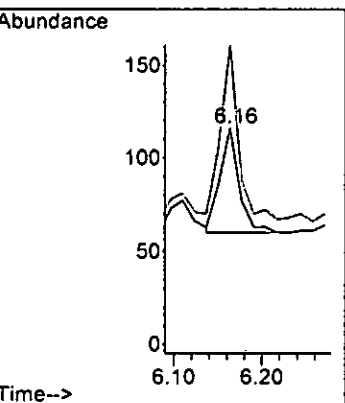
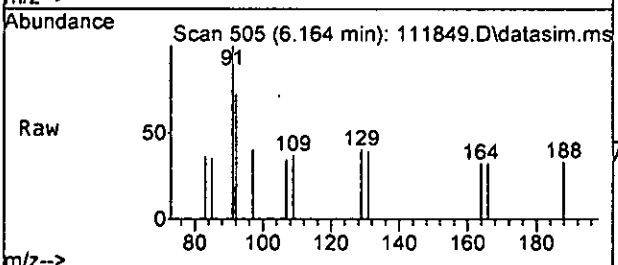
#26
 1,2-Dichloroethane (EDC)
 Concen: Below Cal
 RT: 4.53 min Scan# 359
 Delta R.T. -0.000 min
 Lab File: 111849.D
 Acq: 19 Nov 2022 02:38 am

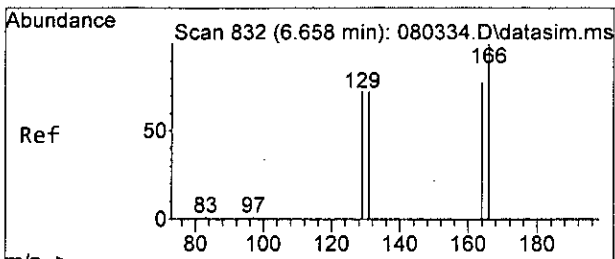
Tgt Ion: 62 Resp: 77
 Ion Ratio Lower Upper
 62 100
 98 8.3 0.0 40.1



#40
 Toluene
 Concen: Below Cal
 RT: 6.16 min Scan# 505
 Delta R.T. -0.000 min
 Lab File: 111849.D
 Acq: 19 Nov 2022 02:38 am

Tgt Ion: 92 Resp: 84
 Ion Ratio Lower Upper
 92 100
 91 166.1 148.5 208.5

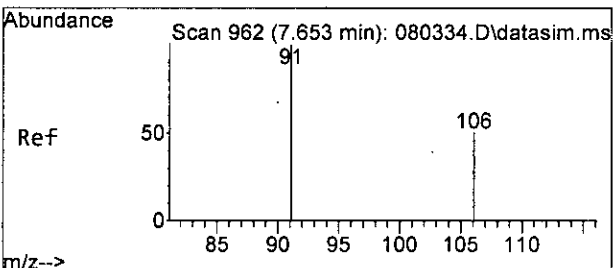
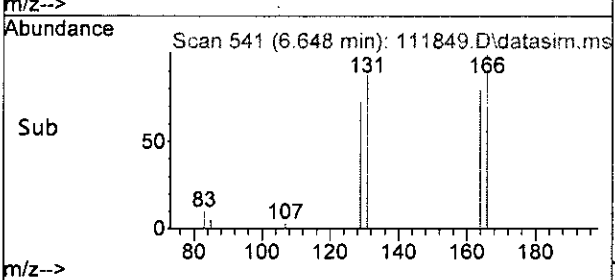
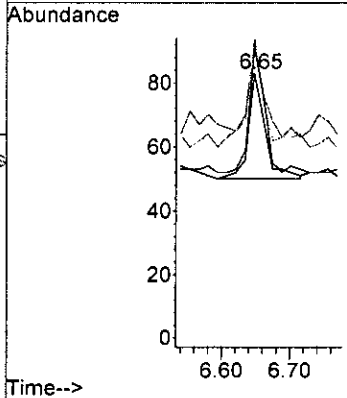
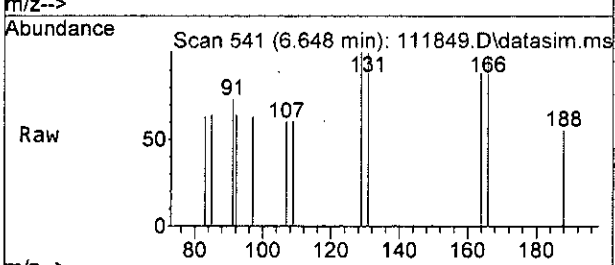




#45
 Tetrachloroethene
 Concen: Below Cal
 RT: 6.65 min Scan# 541
 Delta R.T. -0.000 min
 Lab File: 111849.D
 Acq: 19 Nov 2022 02:38 am

Tgt Ion: 164 Resp: 56

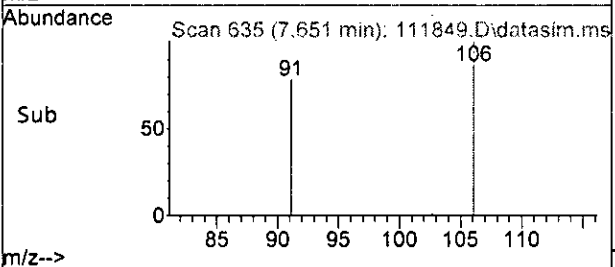
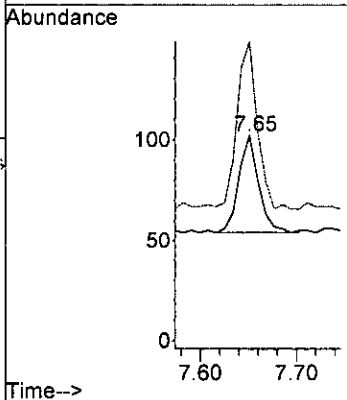
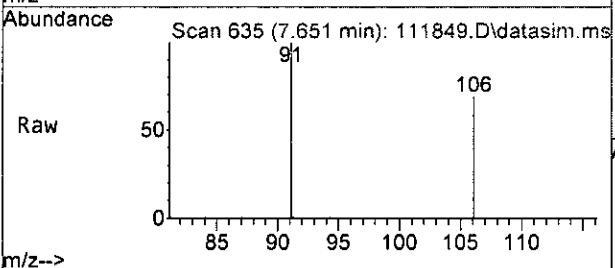
Ion	Ratio	Lower	Upper
164	100		
129	93.9	72.1	132.1
131	103.0	64.8	124.8
166	118.2	90.0	150.0

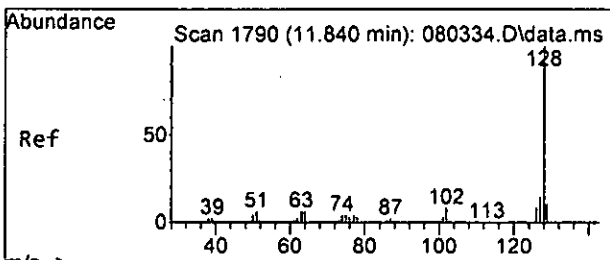


#51
 m,p-Xylene
 Concen: 0.012 ppb
 RT: 7.65 min Scan# 635
 Delta R.T. -0.000 min
 Lab File: 111849.D
 Acq: 19 Nov 2022 02:38 am

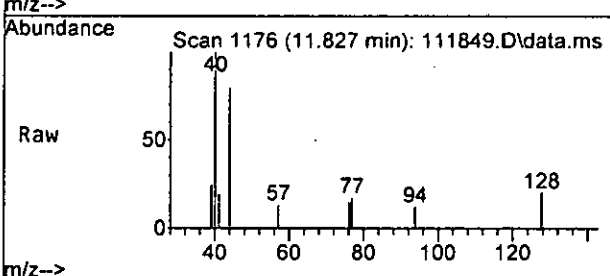
Tgt Ion: 106 Resp: 70

Ion	Ratio	Lower	Upper
106	100		
91	170.8	175.7	235.7#



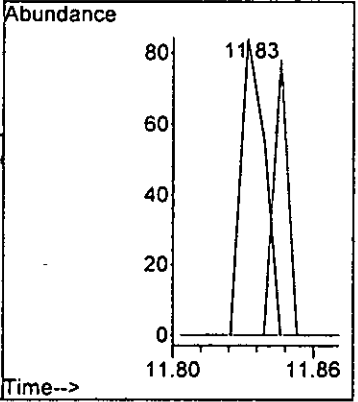
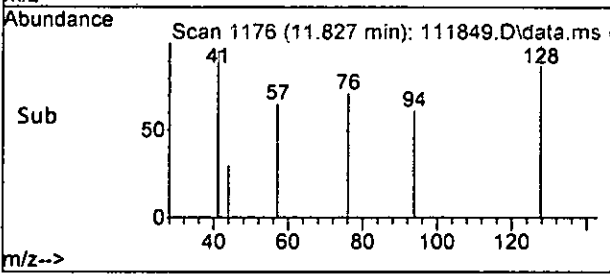


#75
 Naphthalene
 Concen: 0.083 ppb
 RT: 11.83 min Scan# 1176
 Delta R.T. -0.008 min
 Lab File: 111849.D
 Acq: 19 Nov 2022 02:38 am



Tgt Ion: 128 Resp: 58

Ion	Ratio	Lower	Upper
128	100		
129	0.0	0.0	40.8
127	0.0	0.0	43.1



Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111849.D
 Acq On : 19 Nov 2022 02:38 am
 Operator : LM
 Sample : 211237-05 1/0.25
 Misc : soil
 ALS Vial : 42 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:46:59 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	4.75	96	112879	10.000	ppb	0.00	
39) Chlorobenzene-d5	7.40	117	95887	10.000	ppb	0.00	
56) 1,4-Dichlorobenzene-d4	9.62	152	58726	10.000	ppb	0.00	
System Monitoring Compounds							
3) Dibromofluoromethane	4.17	113	33598	9.281	ppb	0.00	
Spiked Amount	10.000	Range 50 - 150	Recovery	=	92.80%		
30) 1,2-Dichloroethane-d4	4.45	102	6441	9.182	ppb	0.00	
Spiked Amount	10.000	Range 84 - 120	Recovery	=	91.80%		
35) Toluene-d8	6.11	98	99009	9.197	ppb	0.00	
Spiked Amount	10.000	Range 73 - 128	Recovery	=	92.00%		
57) 4-Bromofluorobenzene	8.51	95	38300	9.465	ppb	0.00	
Spiked Amount	10.000	Range 57 - 146	Recovery	=	94.60%		
Target Compounds							
							Qvalue
2) Ethanol	2.34	45	146	No Calib			
4) Dichlorodifluoromethane	0.00		0	N.D.			
5) Chloromethane	1.27	50	379	N.D.			
6) Vinyl chloride	1.35	62	37	N.D.			
7) Bromomethane	0.00		0	N.D. d			
8) Chloroethane	0.00		0	N.D.			
9) Trichlorofluoromethane	0.00		0	N.D.			
10) 2-Propanol	2.34	45	146	No Calib #			
11) Acetone	0.00		0	N.D.			
12) 1,1-Dichloroethene	0.00		0	N.D. d			
13) Hexane	3.16	57	67	N.D.			
14) Methylene chloride	2.69	84	3029	Below Cal		90	
15) t-Butyl alcohol (TBA)	0.00		0	N.D.			
16) Methyl t-butyl ether (...)	0.00		0	N.D.			
17) trans-1,2-Dichloroethene	0.00		0	N.D.			
18) Diisopropyl ether (DIPE)	0.00		0	N.D.			
19) 1,1-Dichloroethane	0.00		0	N.D.			
20) Ethyl t-butyl ether (E...)	0.00		0	N.D.			
21) 2,2-Dichloropropane	3.76	77	117	N.D.			
22) cis-1,2-Dichloroethene	0.00		0	N.D.			
23) Chloroform	0.00		0	N.D.			
24) 2-Butanone (MEK)	3.79	43	550	0.132 ppb		55	
25) t-Amyl methyl ether (T...)	0.00		0	N.D.			
26] 1,2-Dichloroethane (EDC)	4.53	62	77	Below Cal		95	
27) 1,1,1-Trichloroethane	0.00		0	N.D.			
28) 1,1-Dichloropropene	0.00		0	N.D.			
29) Carbon tetrachloride	0.00		0	N.D.			
31) Benzene	0.00		0	N.D.			
32) Trichloroethene	0.00		0	N.D. d			
33) 1,2-Dichloropropane	0.00		0	N.D.			
34) Bromodichloromethane	0.00		0	N.D.			
36) Dibromomethane	0.00		0	N.D.			

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111849.D
 Acq On : 19 Nov 2022 02:38 am
 Operator : LM
 Sample : 211237-05 1/0.25
 Misc : soil
 ALS Vial : 42 Sample Multiplier: 1
 InstName : GCMS13

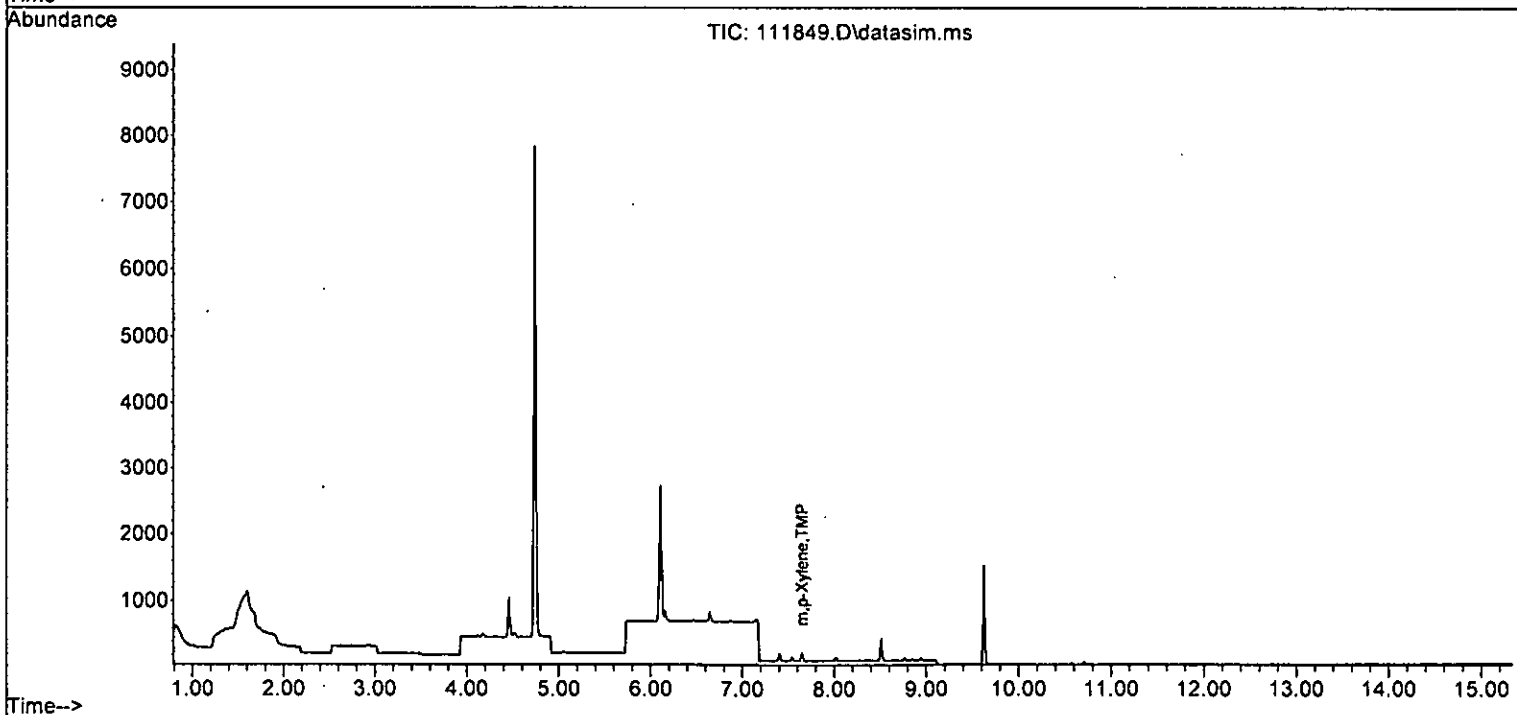
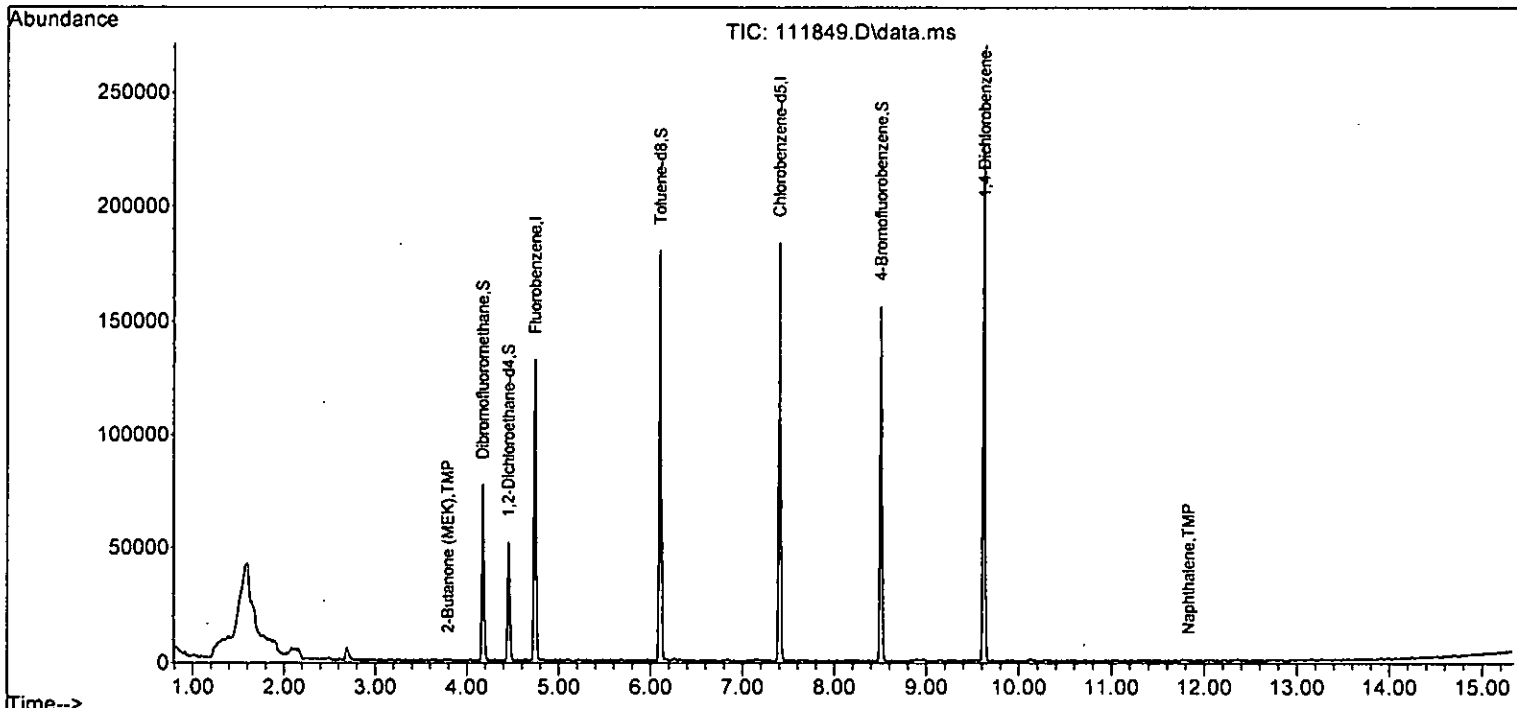
Quant Time: Nov 21 09:46:59 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.00		0		N.D.	
38) cis-1,3-Dichloropropene	0.00		0		N.D.	
40] Toluene	6.16	92	84	Below Cal		91
41) trans-1,3-Dichloropropene	0.00		0		N.D. d	
42) 1,1,2-Trichloroethane	0.00		0		N.D.	
43) 2-Hexanone	6.79	43	43		N.D.	
44) 1,3-Dichloropropane	0.00		0		N.D.	
45] Tetrachloroethene	6.65	164	56	Below Cal		94
46) Dibromochloromethane	0.00		0		N.D.	
47) 1,2-Dibromoethane (EDB)	0.00		0		N.D.	
48) Chlorobenzene	0.00		0		N.D.	
49) Ethylbenzene	7.54	91	76		N.D.	
50) 1,1,1,2-Tetrachloroethane	0.00		0		N.D.	
51] m,p-Xylene	7.65	106	70	0.012 ppb	#	77
52) o-Xylene	8.02	106	29		N.D.	
53) Styrene	8.03	104	118		N.D.	
54) Isopropylbenzene	8.37	105	77		N.D.	
55) Bromoform	0.00		0		N.D.	
58) n-Propylbenzene	8.76	91	66		N.D.	
59) Bromobenzene	0.00		0		N.D.	
60) 1,3,5-Trimethylbenzene	9.12	105	49		N.D.	
61) 1,1,2,2-Tetrachloroethane	0.00		0		N.D.	
62) 1,2,3-Trichloropropane	0.00		0		N.D. d	
63) 2-Chlorotoluene	8.76	91	66		N.D.	
64) 4-Chlorotoluene	8.93	91	31		N.D.	
65) tert-Butylbenzene	0.00		0		N.D.	
66) 1,2,4-Trimethylbenzene	9.30	105	147		N.D.	
67) sec-Butylbenzene	9.47	105	54		N.D.	
68) p-Isopropyltoluene	9.60	119	61		N.D.	
69) 1,3-Dichlorobenzene	0.00		0		N.D.	
70) 1,4-Dichlorobenzene	0.00		0		N.D.	
71) 1,2-Dichlorobenzene	0.00		0		N.D.	
72) 1,2-Dibromo-3-chloropr...	0.00		0		N.D.	
73) 1,2,4-Trichlorobenzene	0.00		0		N.D.	
74) Hexachlorobutadiene	0.00		0		N.D.	
75) Naphthalene	11.83	128	58	0.083 ppb		69
76) 1,2,3-Trichlorobenzene	0.00		0		N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS13\11-18-22\
Data File : 111849.D
Acq On : 19 Nov 2022 02:38 am
Operator : LM
Sample : 211237-05 1/0.25
Misc : soil
ALS Vial : 42 Sample Multiplier: 1
InstName : GCMS13

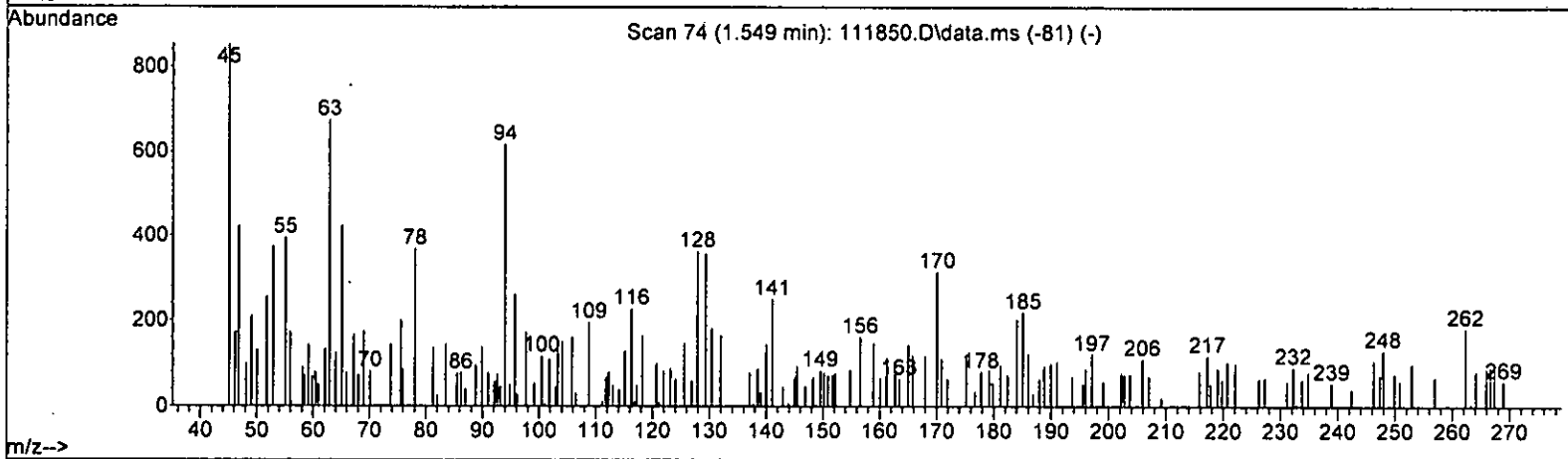
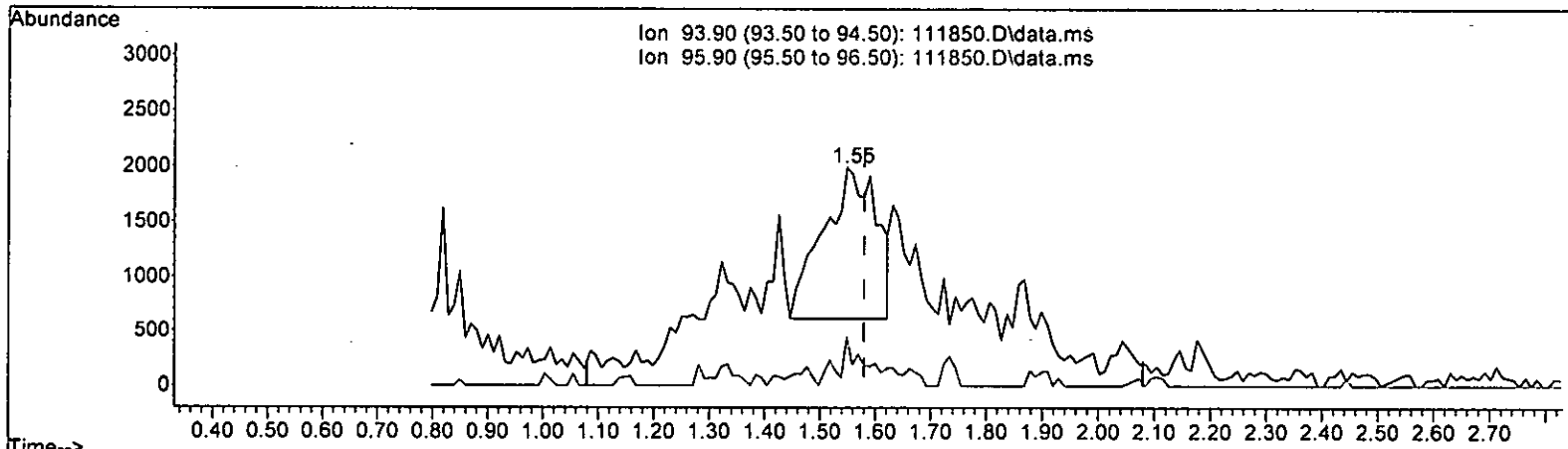
Quant Time: Nov 21 09:46:59 2022
Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
QLast Update : Mon Nov 07 15:16:10 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M



Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111850.D
 Acq On : 19 Nov 2022 03:02 am
 Operator : LM
 Sample : 211237-07 1/0.25
 Misc : soil
 ALS Vial : 43 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:47:03 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 111850.D\data.ms

(7) Bromomethane (TMP)

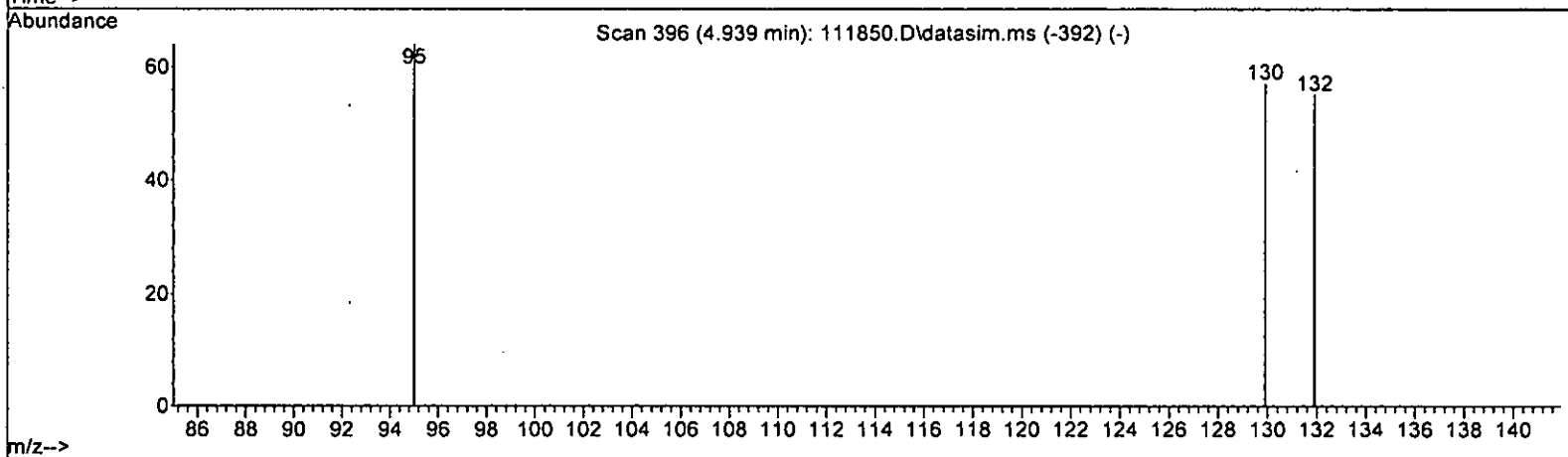
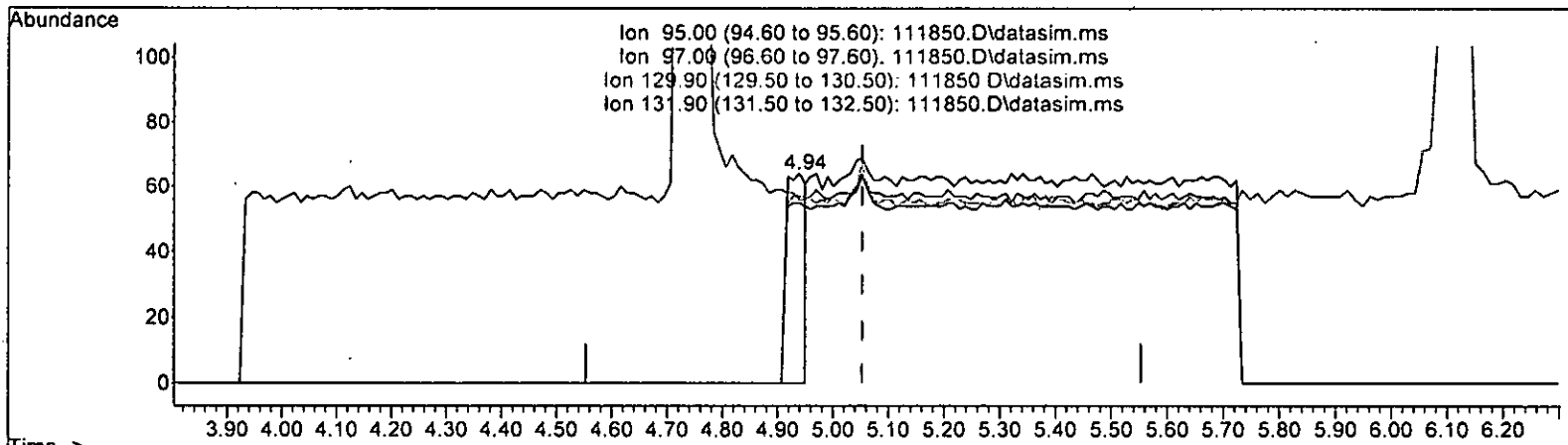
1.549min (-0.031) 2.097 ppb

response	9275
Ion	Exp% Act%
93.90	100.00 100.00
95.90	93.50 26.18#
0.00	0.00 0.00
0.00	0.00 0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111850.D
 Acq On : 19 Nov 2022 03:02 am
 Operator : LM
 Sample : 211237-07 1/0.25
 Misc : soil
 ALS Vial : 43 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:47:03 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 111850.D\data.ms

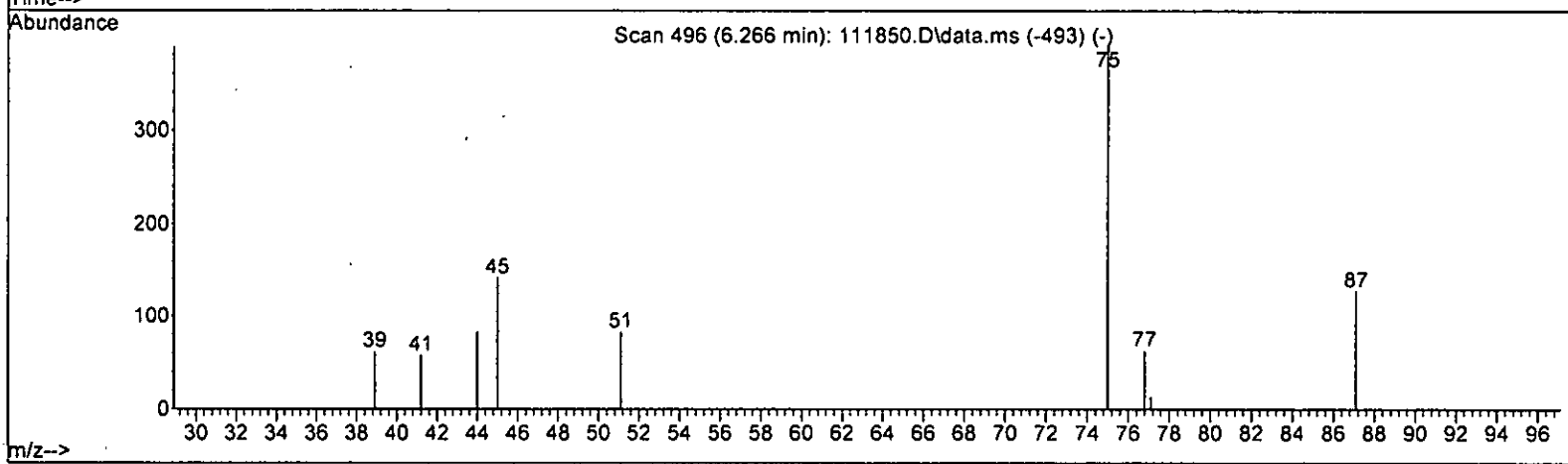
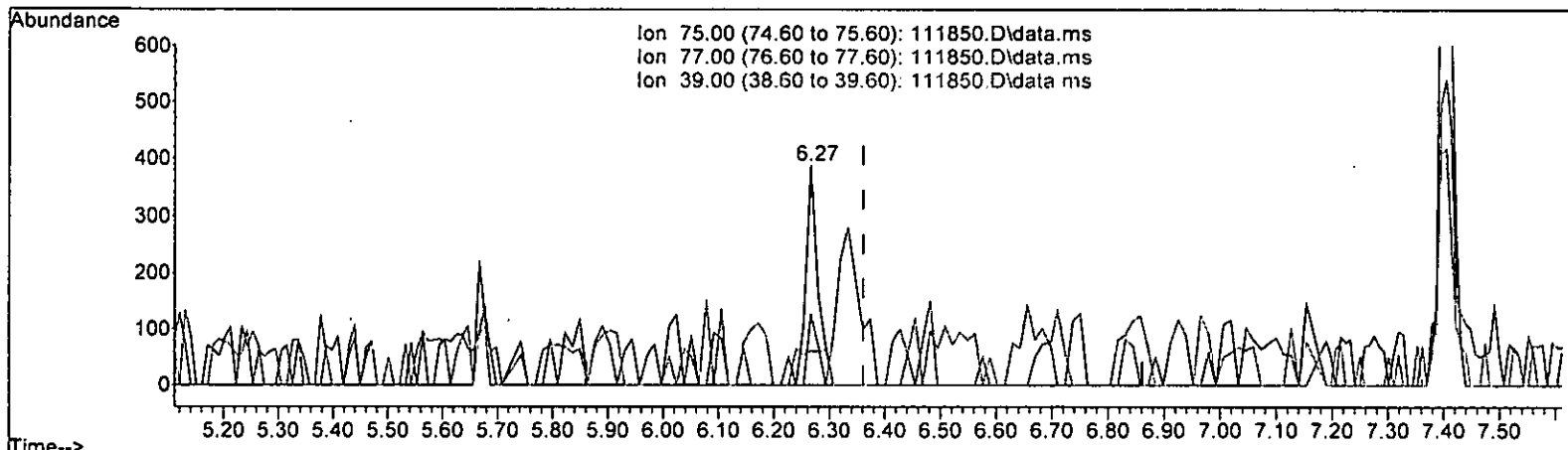
(32) Trichloroethene (TMP)
 4.939min (-0.114) 0.043 ppb
 response 160

Ion	Exp%	Act%
95.00	100.00	100.00
97.00	64.60	0.00#
129.90	103.40	89.06
131.90	95.80	85.94

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111850.D
 Acq On : 19 Nov 2022 03:02 am
 Operator : LM
 Sample : 211237-07 1/0.25
 Misc : soil
 ALS Vial : 43 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:47:03 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 111850.D\data.ms

(41) trans-1,3-Dichloropropene (TMP)

6.266min (-0.095) 0.177 ppb

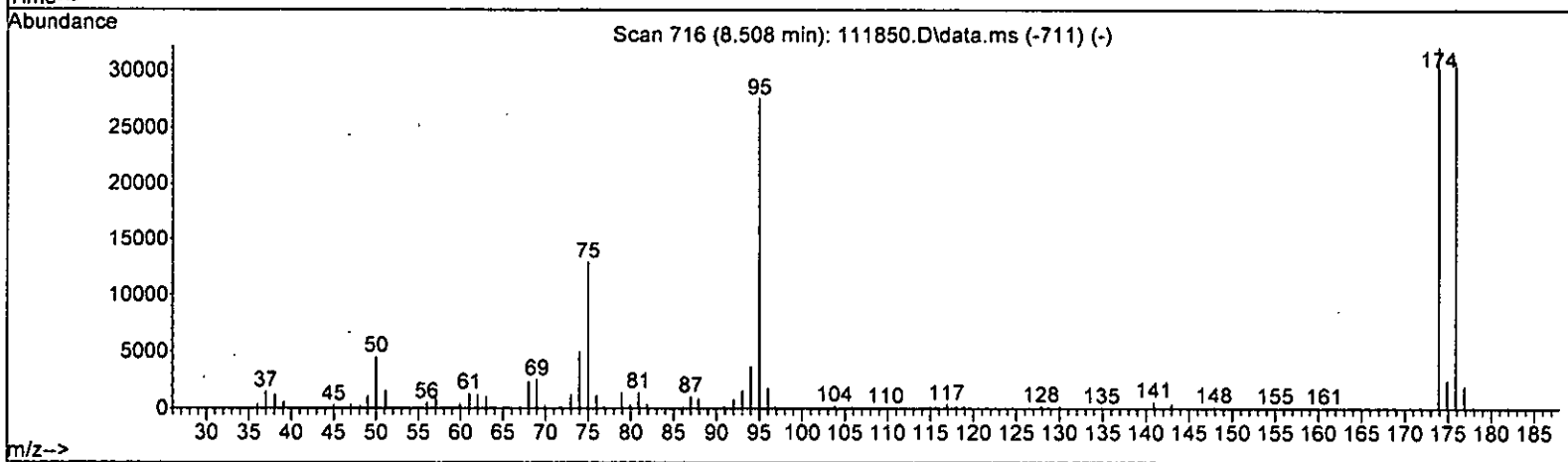
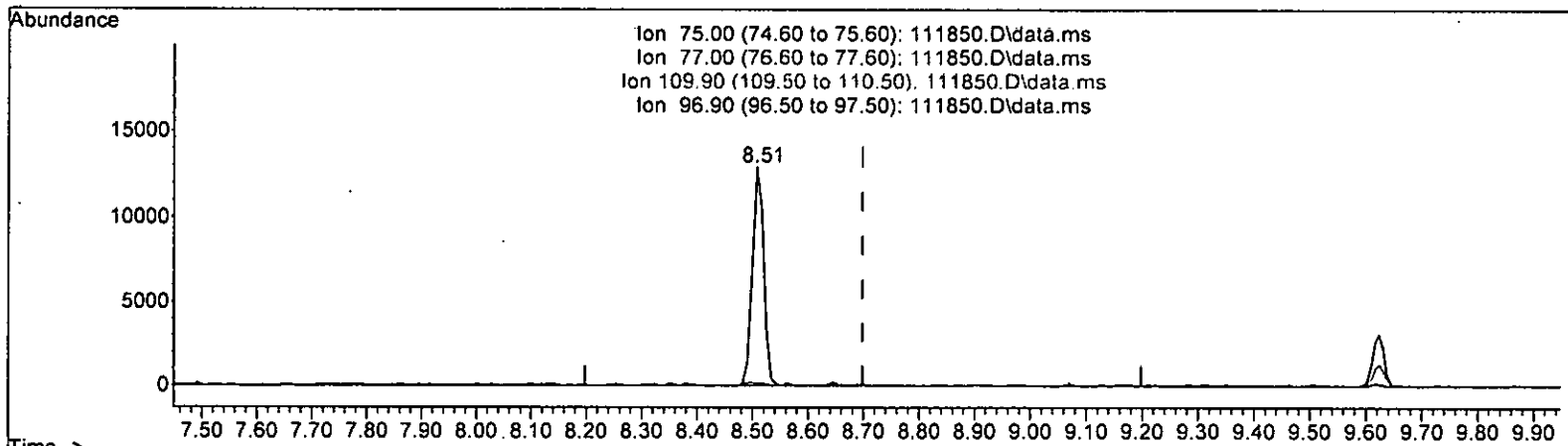
response 583

Ion	Exp%	Act%
75.00	100.00	100.00
77.00	32.60	19.33
39.00	46.30	15.72#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111850.D
 Acq On : 19 Nov 2022 03:02 am
 Operator : LM
 Sample : 211237-07 1/0.25
 Misc : soil
 ALS Vial : 43 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:47:03 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 Qlast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 111850.D\data.ms

(62) 1,2,3-Trichloropropane (TMP)			
8.508min (-0.190) 6.367 ppb			
response	18221		
Ion	Exp%	Act%	
75.00	100.00	100.00	
77.00	34.00	1.19#	
109.90	36.50	0.65#	
96.90	22.60	0.57	

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111850.D
 Acq On : 19 Nov 2022 03:02 am
 Operator : LM
 Sample : 211237-07 1/0.25
 Misc : soil
 ALS Vial : 43 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:47:03 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

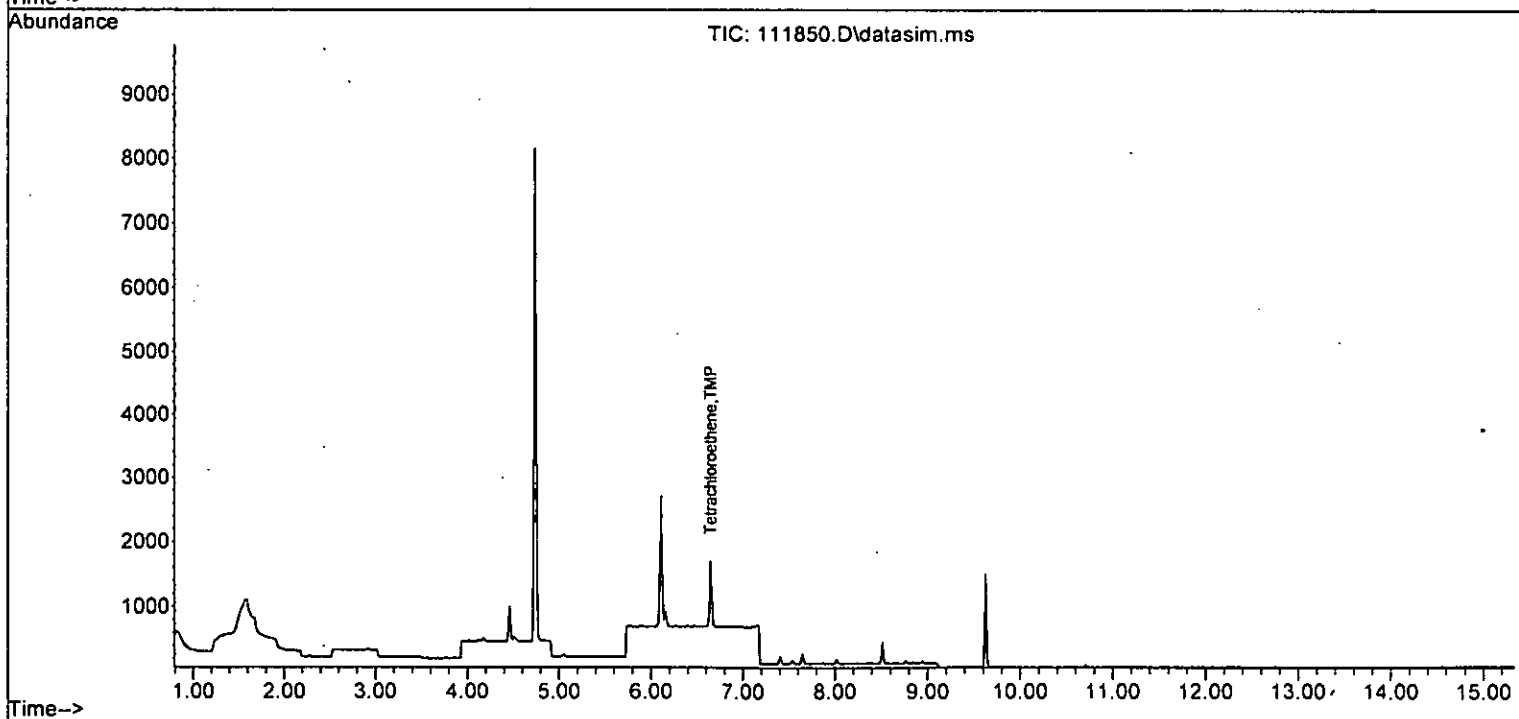
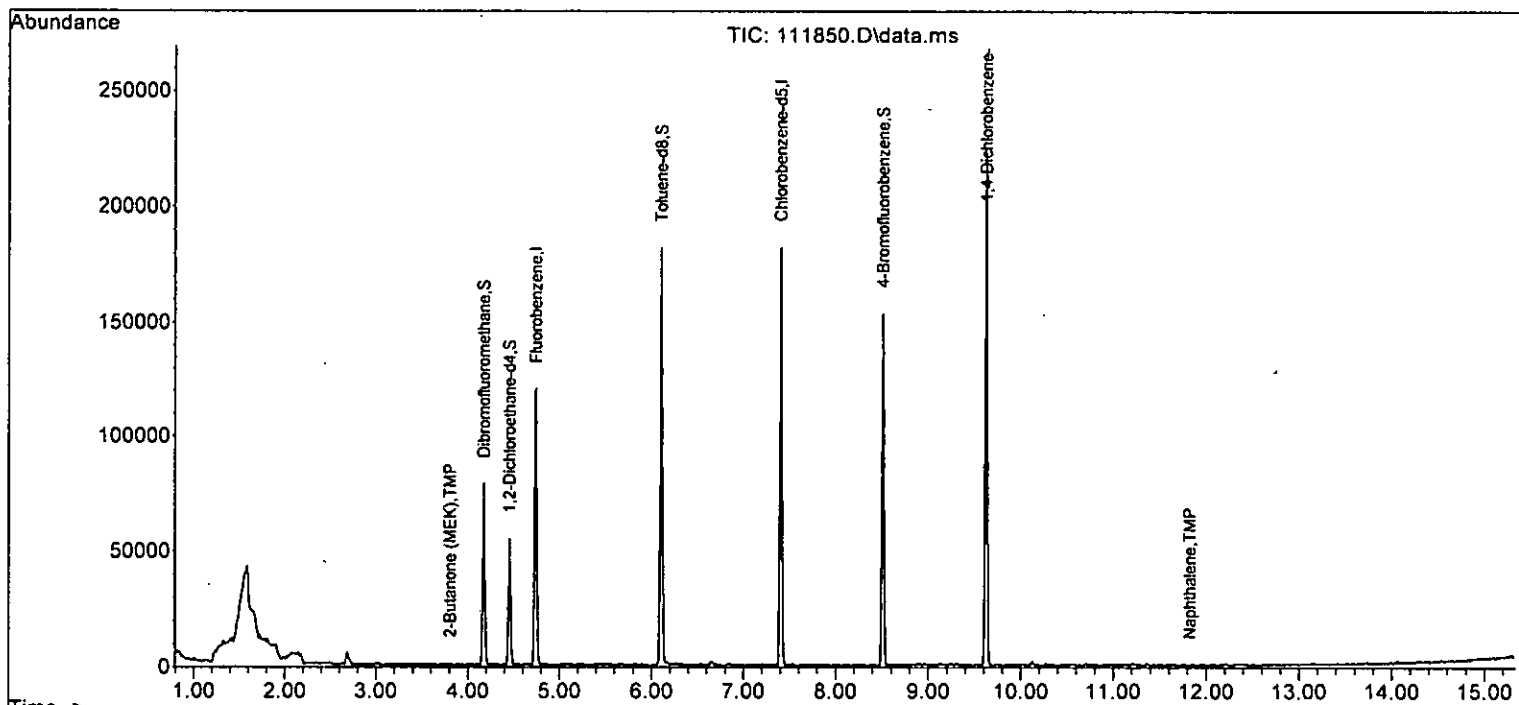
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

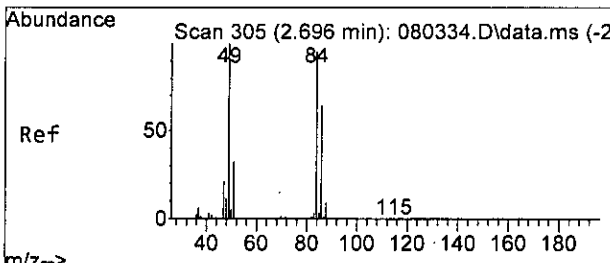
Internal Standards						
1) Fluorobenzene	4.75	96	102361	10.000	ppb	0.00
39) Chlorobenzene-d5	7.40	117	97130	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	58863	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.17	113	34702	10.572	ppb	0.00
Spiked Amount	10.000	Range 50 - 150	Recovery	=	105.70%	
30) 1,2-Dichloroethane-d4	4.45	102	6456	10.149	ppb	0.00
Spiked Amount	10.000	Range 84 - 120	Recovery	=	101.50%	
35) Toluene-d8	6.11	98	100844	10.330	ppb	0.00
Spiked Amount	10.000	Range 73 - 128	Recovery	=	103.30%	
57) 4-Bromofluorobenzene	8.51	95	38059	9.384	ppb	0.00
Spiked Amount	10.000	Range 57 - 146	Recovery	=	93.80%	
Target Compounds						
14) Methylene chloride	2.68	84	2972	Below Cal		Qvalue 95
24) 2-Butanone (MEK)	3.81	43	731	0.314	ppb	55
26] 1,2-Dichloroethane (EDC)	4.52	62	75	Below Cal		97
40] Toluene	6.16	92	107	Below Cal		99
42] 1,1,2-Trichloroethane	6.50	83	22	Below Cal	#	42
45] Tetrachloroethene	6.65	164	391	0.082	ppb	87
75) Naphthalene	11.82	128	50	0.083	ppb	69

(#) = qualifier out of range (m) = manual integration (+) = signals summed

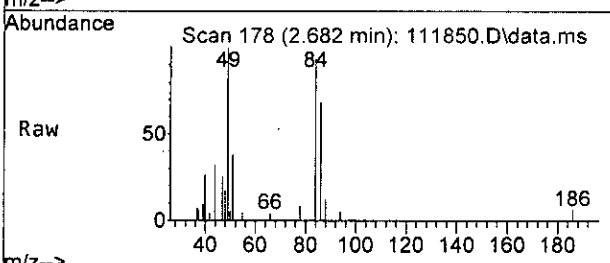
Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111850.D
 Acq On : 19 Nov 2022 03:02 am
 Operator : LM
 Sample : 211237-07 1/0.25
 Misc : soil
 ALS Vial : 43 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:47:03 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

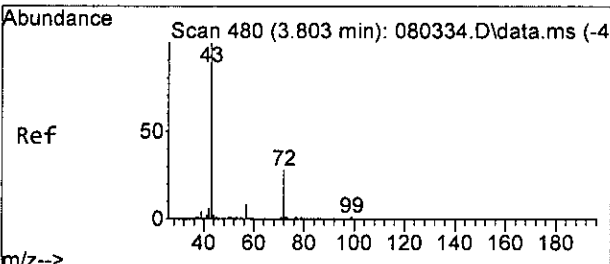
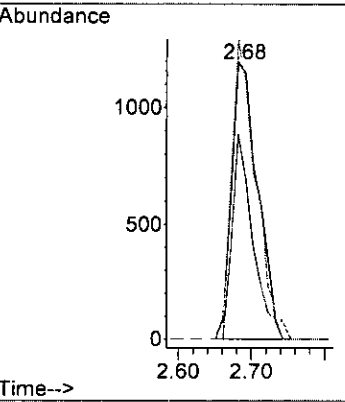
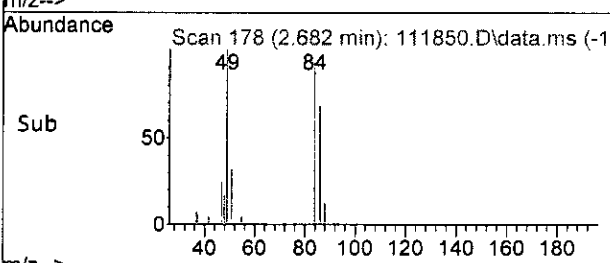




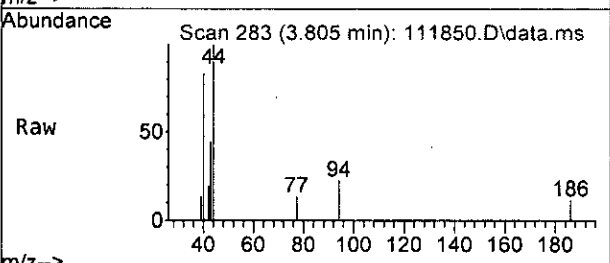
#14
 Methylene chloride
 Concen: Below Cal
 RT: 2.68 min Scan# 178
 Delta R.T. -0.000 min
 Lab File: 111850.D
 Acq: 19 Nov 2022 03:02 am



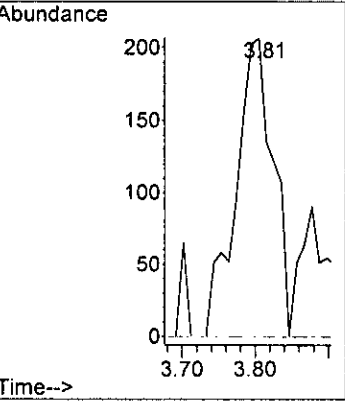
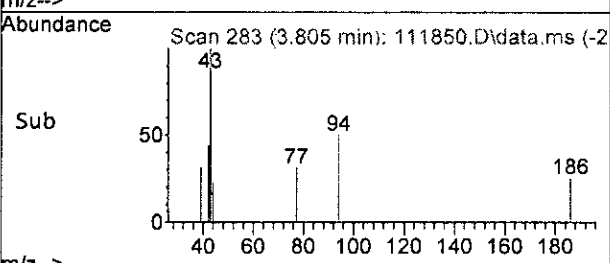
Tgt Ion: 84 Resp: 2972
 Ion Ratio Lower Upper
 84 100
 86 74.0 37.1 97.1
 49 108.0 81.3 141.3

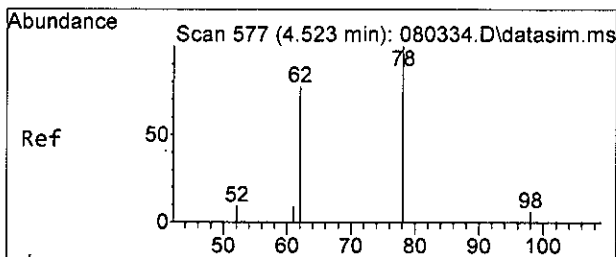


#24
 2-Butanone (MEK)
 Concen: 0.314 ppb
 RT: 3.81 min Scan# 283
 Delta R.T. 0.010 min
 Lab File: 111850.D
 Acq: 19 Nov 2022 03:02 am



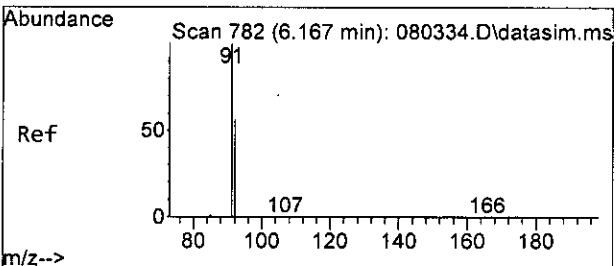
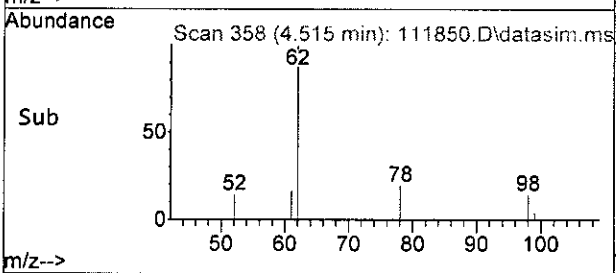
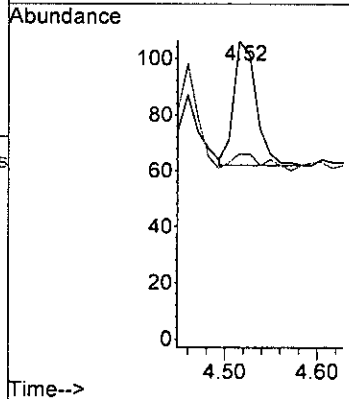
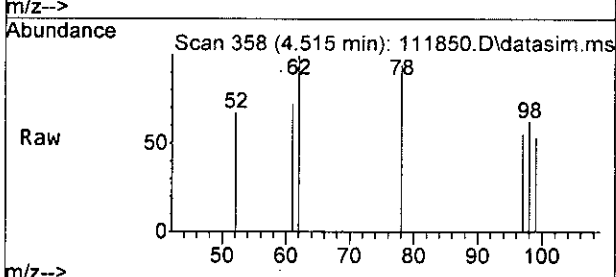
Tgt Ion: 43 Resp: 731
 Ion Ratio Lower Upper
 43 100
 72 0.0 0.0 57.0
 57 0.0 0.0 28.0





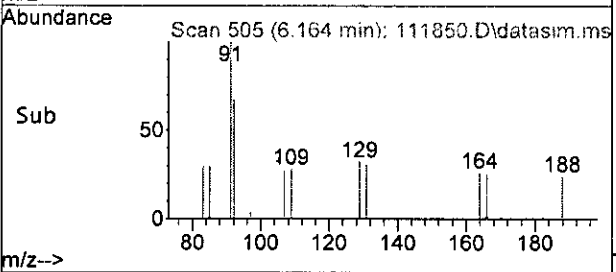
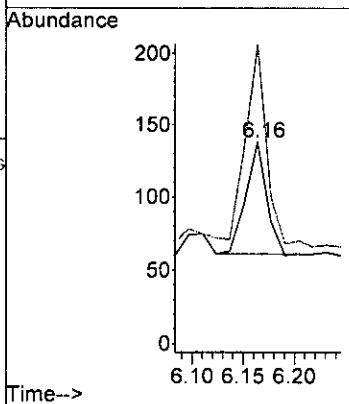
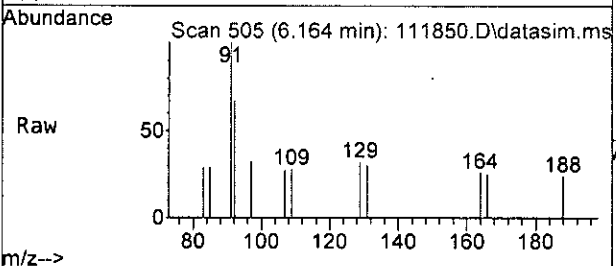
#26
 1,2-Dichloroethane (EDC)
 Concen: Below Cal
 RT: 4.52 min Scan# 358
 Delta R.T. -0.012 min
 Lab File: 111850.D
 Acq: 19 Nov 2022 03:02 am

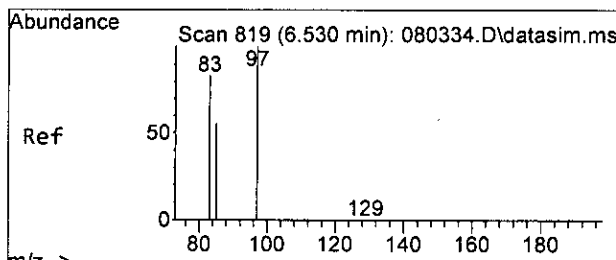
Tgt Ion: 62 Resp: 75
 Ion Ratio Lower Upper
 62 100
 98 11.4 0.0 40.1



#40
 Toluene
 Concen: Below Cal
 RT: 6.16 min Scan# 505
 Delta R.T. -0.000 min
 Lab File: 111850.D
 Acq: 19 Nov 2022 03:02 am

Tgt Ion: 92 Resp: 107
 Ion Ratio Lower Upper
 92 100
 91 176.6 148.5 208.5

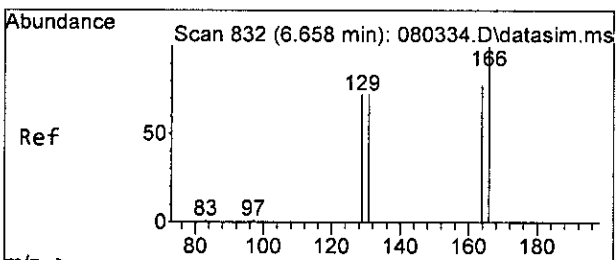
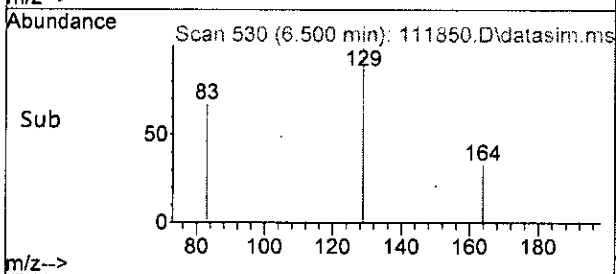
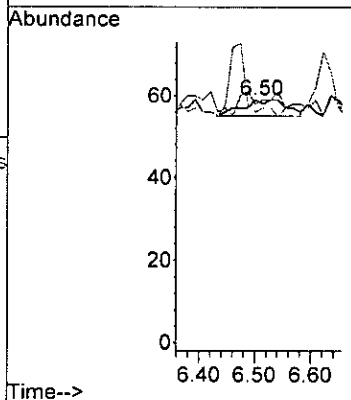
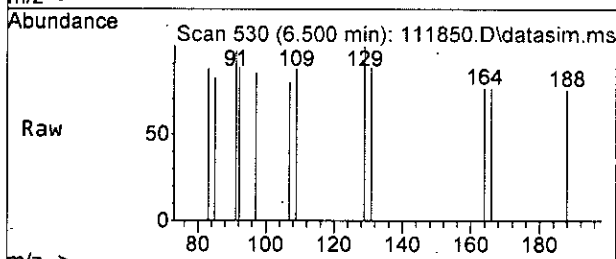




#42
 1,1,2-Trichloroethane
 Concen: Below Cal
 RT: 6.50 min Scan# 530
 Delta R.T. -0.027 min
 Lab File: 111850.D
 Acq: 19 Nov 2022 03:02 am

Tgt Ion: 83 Resp: 22

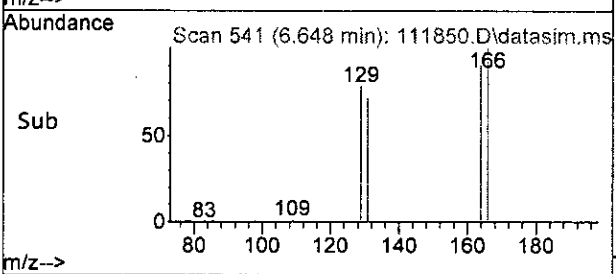
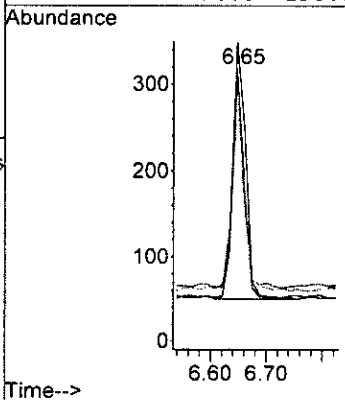
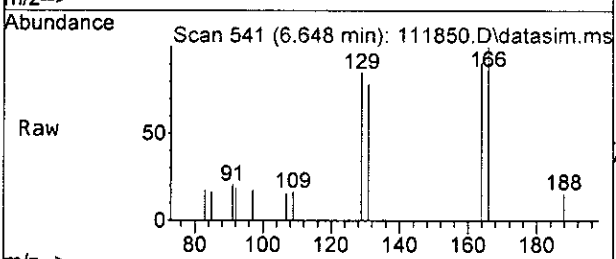
Ion	Ratio	Lower	Upper
83	100		
97	50.0	88.0	148.0#
85	25.0	35.3	95.3#

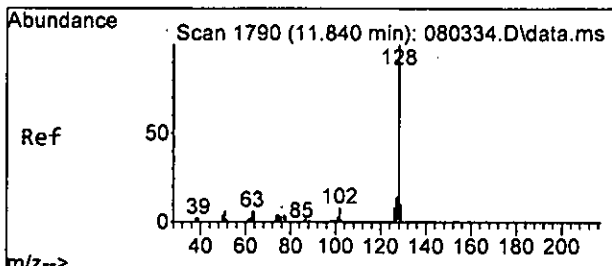


#45
 Tetrachloroethene
 Concen: 0.082 ppb
 RT: 6.65 min Scan# 541
 Delta R.T. -0.000 min
 Lab File: 111850.D
 Acq: 19 Nov 2022 03:02 am

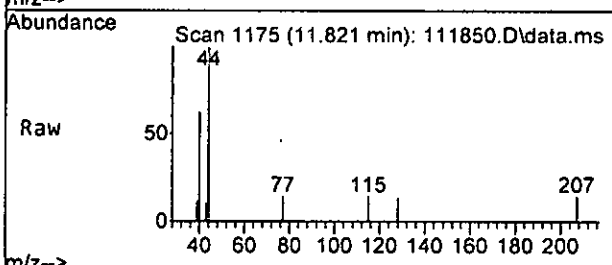
Tgt Ion: 164 Resp: 391

Ion	Ratio	Lower	Upper
164	100		
129	87.3	72.1	132.1
131	78.0	64.8	124.8
166	110.8	90.0	150.0



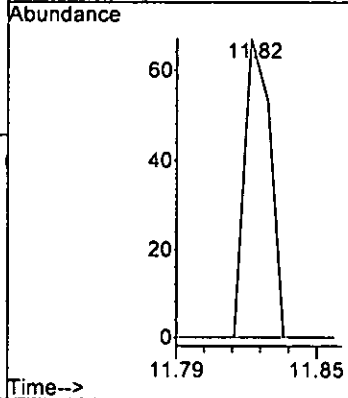
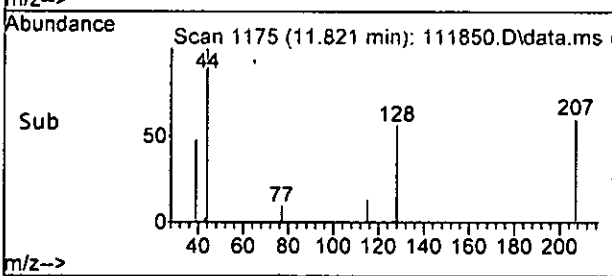


#75
 Naphthalene
 Concen: 0.083 ppb
 RT: 11.82 min Scan# 1175
 Delta R.T. -0.014 min
 Lab File: 111850.D
 Acq: 19 Nov 2022 03:02 am



Tgt Ion: 128 Resp: 50

Ion	Ratio	Lower	Upper
128	100		
129	0.0	0.0	40.8
127	0.0	0.0	43.1



Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111850.D
 Acq On : 19 Nov 2022 03:02 am
 Operator : LM
 Sample : 211237-07 1/0.25
 Misc : soil
 ALS Vial : 43 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:47:03 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	4.75	96	102361	10.000	ppb	0.00	
39) Chlorobenzene-d5	7.40	117	97130	10.000	ppb	0.00	
56) 1,4-Dichlorobenzene-d4	9.62	152	58863	10.000	ppb	0.00	
System Monitoring Compounds							
3) Dibromofluoromethane	4.17	113	34702	10.572	ppb	0.00	
Spiked Amount	10.000	Range	50 - 150	Recovery	=	105.70%	
30) 1,2-Dichloroethane-d4	4.45	102	6456	10.149	ppb	0.00	
Spiked Amount	10.000	Range	84 - 120	Recovery	=	101.50%	
35) Toluene-d8	6.11	98	100844	10.330	ppb	0.00	
Spiked Amount	10.000	Range	73 - 128	Recovery	=	103.30%	
57) 4-Bromofluorobenzene	8.51	95	38059	9.384	ppb	0.00	
Spiked Amount	10.000	Range	57 - 146	Recovery	=	93.80%	
Target Compounds							
							Qvalue
2) Ethanol	2.34	45	85	No Calib			
4) Dichlorodifluoromethane	0.00		0	N.D.			
5) Chloromethane	1.24	50	222	N.D.			
6) Vinyl chloride	0.00		0	N.D.			
7) Bromomethane	0.00		0	N.D. d			
8) Chloroethane	0.00		0	N.D.			
9) Trichlorofluoromethane	0.00		0	N.D.			
10) 2-Propanol	2.34	45	85	No Calib	#		
11) Acetone	0.00		0	N.D.			
12) 1,1-Dichloroethene	0.00		0	N.D.			
13) Hexane	3.16	57	137	N.D.			
14) Methylene chloride	2.68	84	2972	Below Cal		95	
15) t-Butyl alcohol (TBA)	0.00		0	N.D.			
16) Methyl t-butyl ether (...)	0.00		0	N.D.			
17) trans-1,2-Dichloroethene	0.00		0	N.D.			
18) Diisopropyl ether (DIPE)	0.00		0	N.D.			
19) 1,1-Dichloroethane	0.00		0	N.D.			
20) Ethyl t-butyl ether (E...)	0.00		0	N.D.			
21) 2,2-Dichloropropane	3.76	77	241	N.D.			
22) cis-1,2-Dichloroethene	0.00		0	N.D.			
23) Chloroform	0.00		0	N.D.			
24) 2-Butanone (MEK)	3.81	43	731	0.314	ppb	55	
25) t-Amyl methyl ether (T...)	0.00		0	N.D.			
26] 1,2-Dichloroethane (EDC)	4.52	62	75	Below Cal		97	
27) 1,1,1-Trichloroethane	0.00		0	N.D.			
28) 1,1-Dichloropropene	0.00		0	N.D.			
29) Carbon tetrachloride	0.00		0	N.D.			
31) Benzene	0.00		0	N.D.			
32) Trichloroethene	0.00		0	N.D. d			
33) 1,2-Dichloropropane	0.00		0	N.D.			
34) Bromodichloromethane	0.00		0	N.D.			
36) Dibromomethane	0.00		0	N.D.			

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111850.D
 Acq On : 19 Nov 2022 03:02 am
 Operator : LM
 Sample : 211237-07 1/0.25
 Misc : soil
 ALS Vial : 43 Sample Multiplier: 1
 InstName : GCMS13

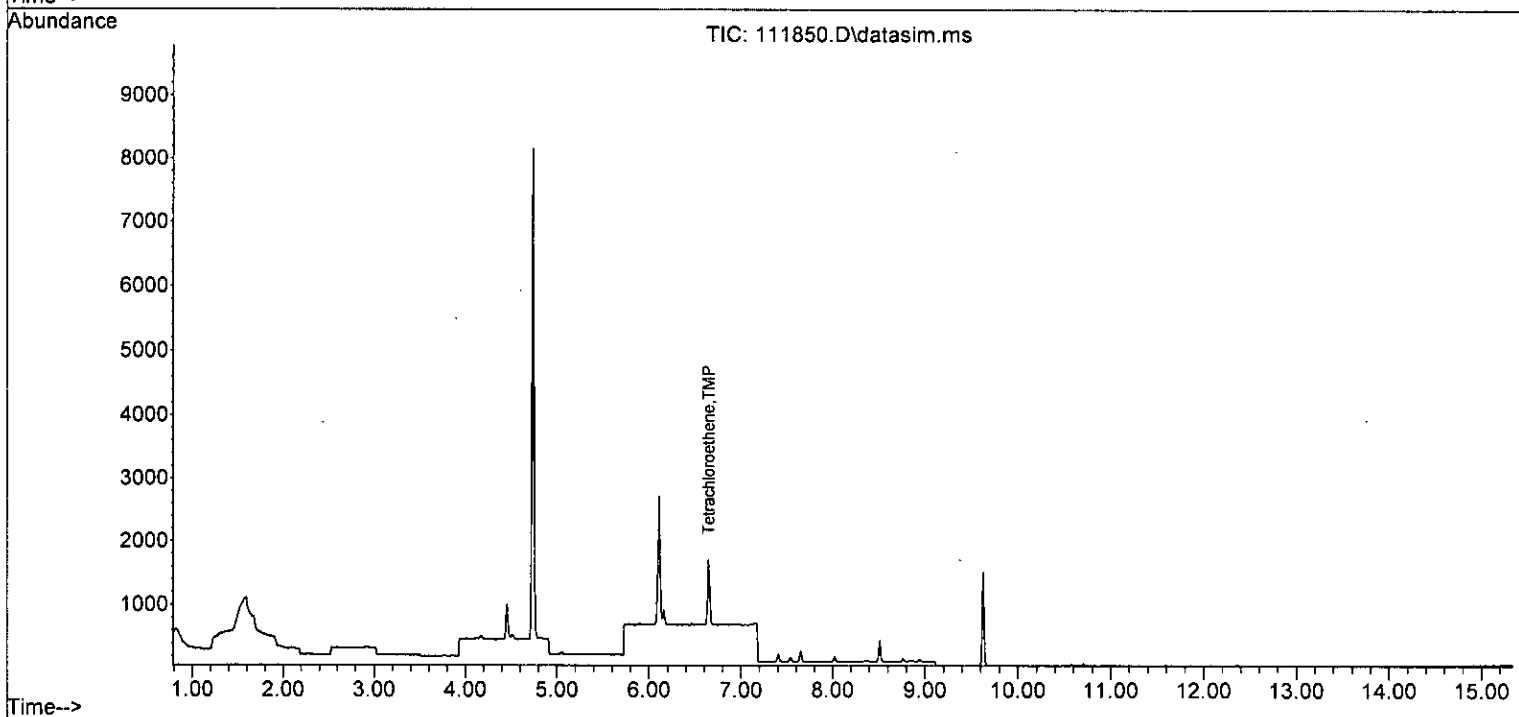
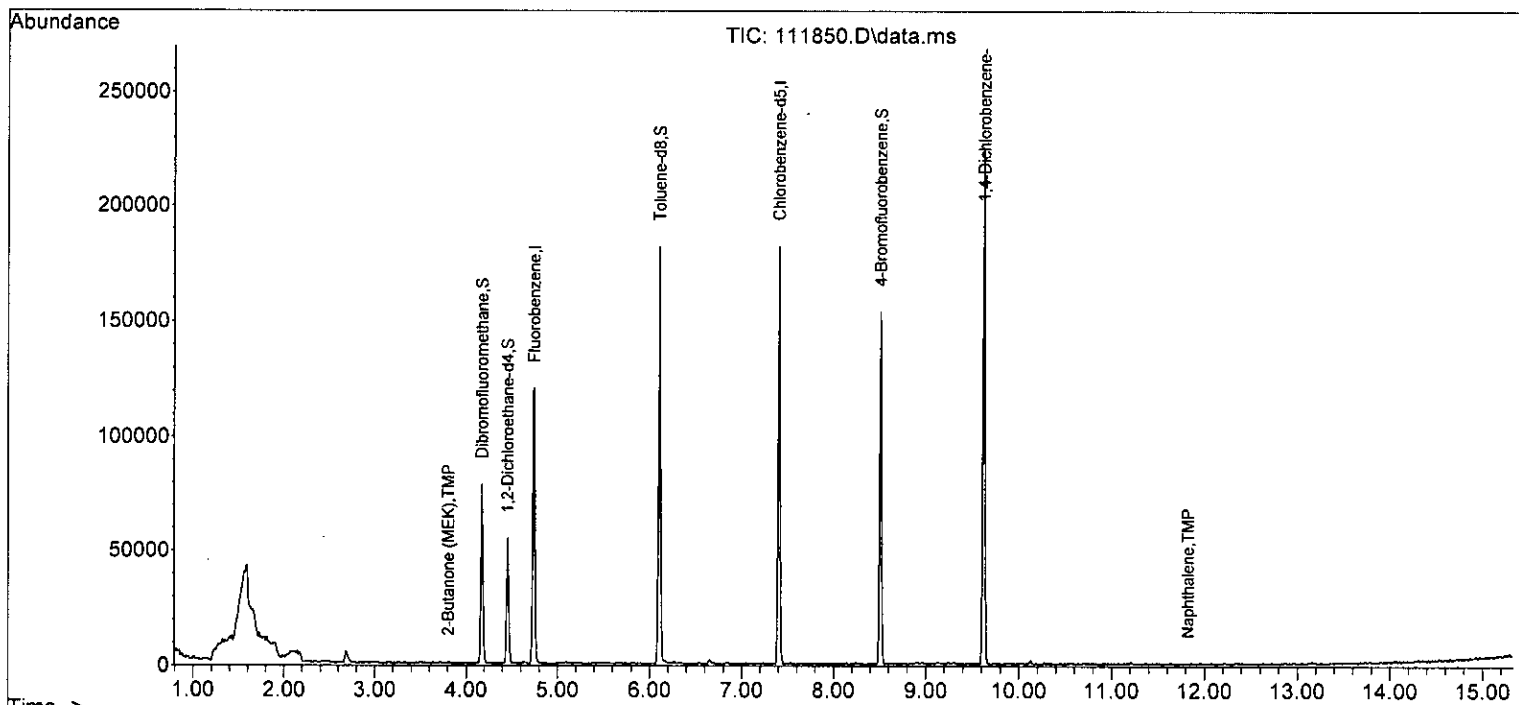
Quant Time: Nov 21 09:47:03 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.00		0		N.D.	
38) cis-1,3-Dichloropropene	0.00		0		N.D.	
40] Toluene	6.16	92	107	Below Cal		99
41) trans-1,3-Dichloropropene	0.00		0		N.D. d	
42] 1,1,2-Trichloroethane	6.50	83	22	Below Cal	#	42
43) 2-Hexanone	6.80	43	156		N.D.	
44) 1,3-Dichloropropane	0.00		0		N.D.	
45] Tetrachloroethene	6.65	164	391	0.082	ppb	87
46) Dibromochloromethane	0.00		0		N.D.	
47) 1,2-Dibromoethane (EDB)	0.00		0		N.D.	
48) Chlorobenzene	0.00		0		N.D.	
49) Ethylbenzene	7.54	91	66		N.D.	
50) 1,1,1,2-Tetrachloroethane	0.00		0		N.D.	
51) m,p-Xylene	7.54	106	25		N.D.	
52) o-Xylene	8.02	106	40		N.D.	
53) Styrene	0.00		0		N.D.	
54) Isopropylbenzene	8.37	105	85		N.D.	
55) Bromoform	0.00		0		N.D.	
58) n-Propylbenzene	0.00		0		N.D.	
59) Bromobenzene	0.00		0		N.D.	
60) 1,3,5-Trimethylbenzene	8.88	105	32		N.D.	
61) 1,1,2,2-Tetrachloroethane	0.00		0		N.D.	
62) 1,2,3-Trichloropropane	0.00		0		N.D. d	
63) 2-Chlorotoluene	0.00		0		N.D.	
64) 4-Chlorotoluene	0.00		0		N.D.	
65) tert-Butylbenzene	0.00		0		N.D.	
66) 1,2,4-Trimethylbenzene	9.30	105	222		N.D.	
67) sec-Butylbenzene	9.46	105	23		N.D.	
68) p-Isopropyltoluene	9.57	119	22		N.D.	
69) 1,3-Dichlorobenzene	0.00		0		N.D.	
70) 1,4-Dichlorobenzene	0.00		0		N.D.	
71) 1,2-Dichlorobenzene	0.00		0		N.D.	
72) 1,2-Dibromo-3-chloropr...	0.00		0		N.D.	
73) 1,2,4-Trichlorobenzene	11.60	180	25		N.D.	
74) Hexachlorobutadiene	0.00		0		N.D.	
75) Naphthalene	11.82	128	50	0.083	ppb	69
76) 1,2,3-Trichlorobenzene	0.00		0		N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111850.D
 Acq On : 19 Nov 2022 03:02 am
 Operator : LM
 Sample : 211237-07 1/0.25
 Misc : soil
 ALS Vial : 43 Sample Multiplier: 1
 InstName : GCMS13

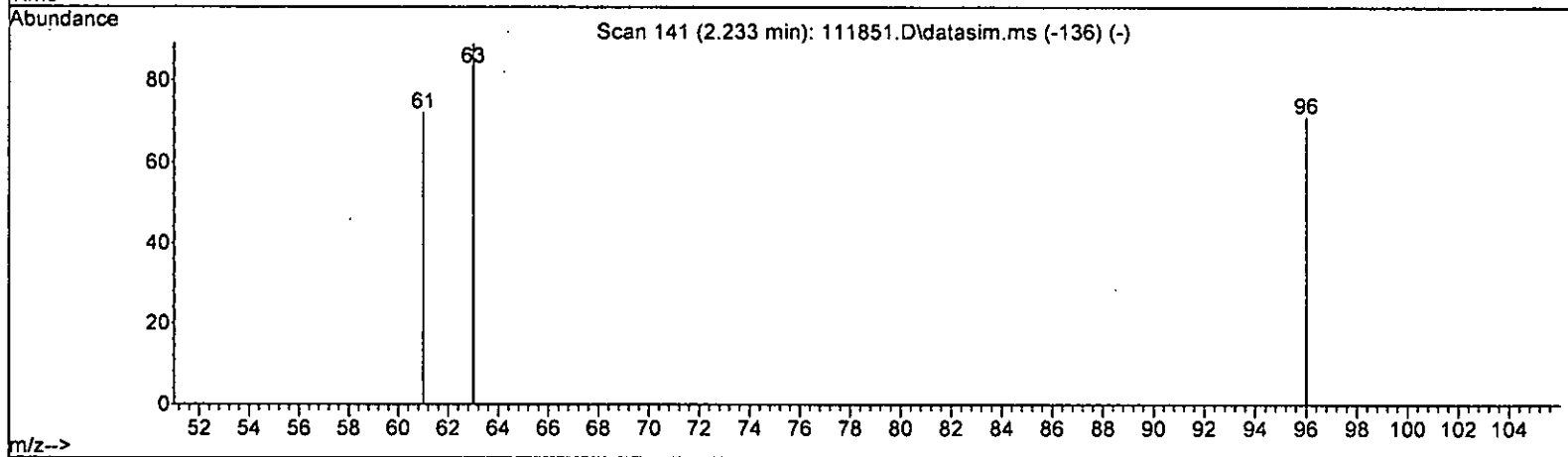
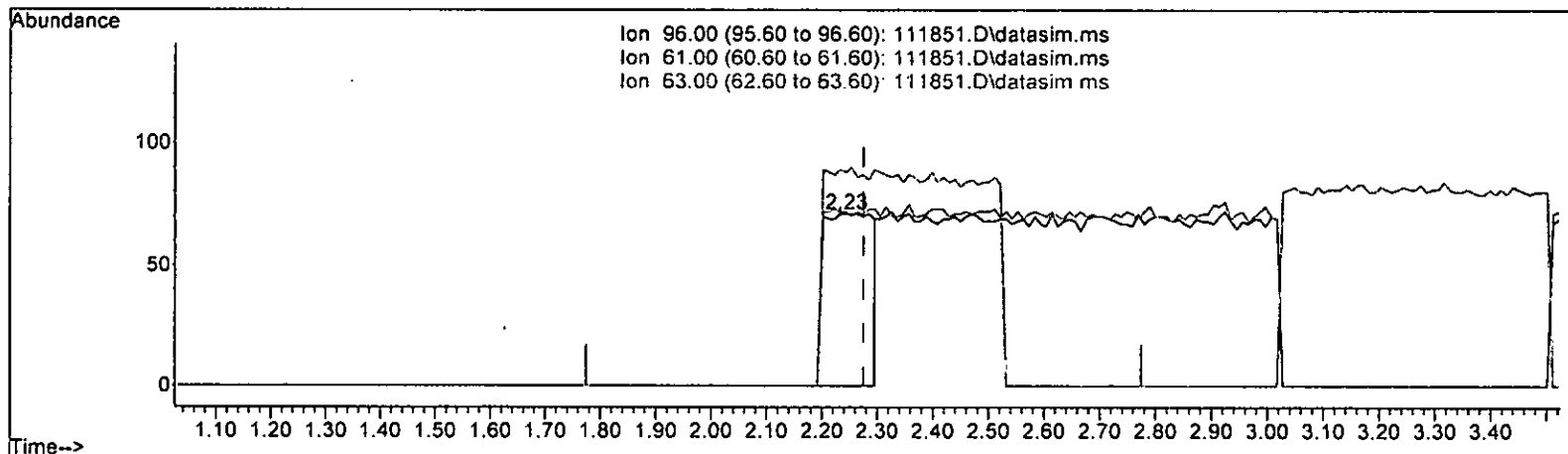
Quant Time: Nov 21 09:47:03 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111851.D
 Acq On : 19 Nov 2022 03:25 am
 Operator : LM
 Sample : 211237-08 1/0.25
 Misc : soil
 ALS Vial : 44 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:47:07 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 111851.D\data.ms

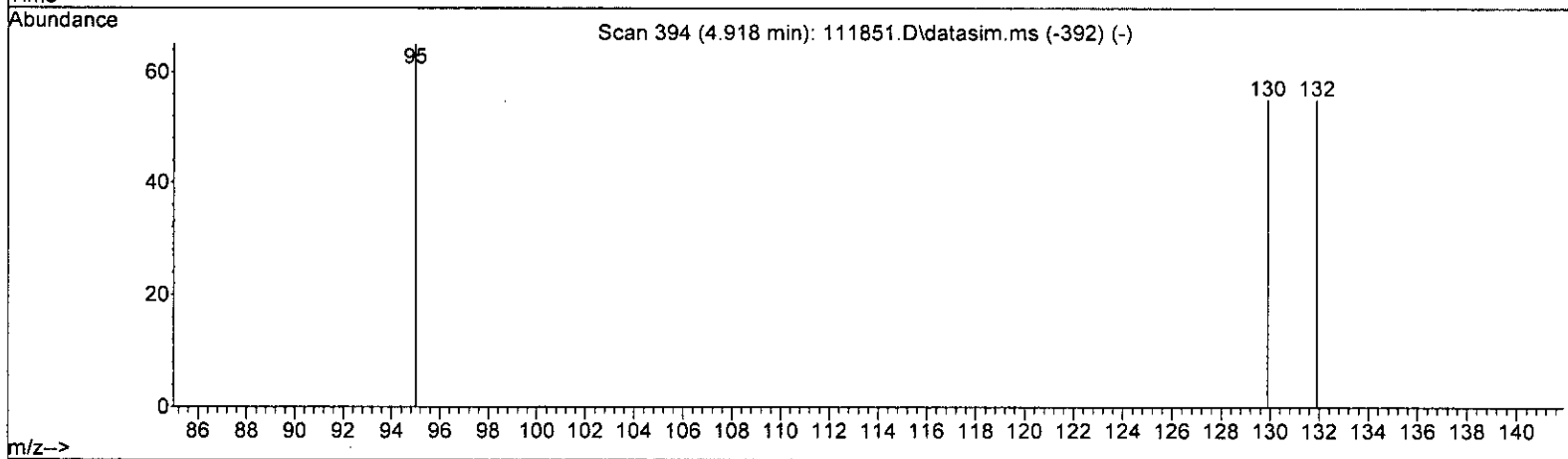
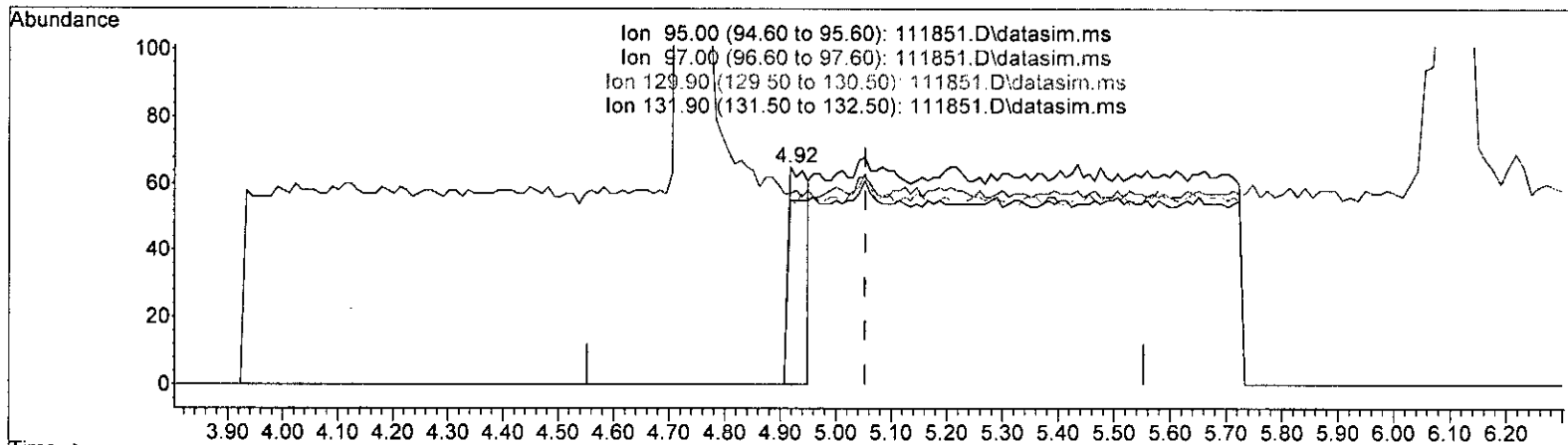
(12) 1,1-Dichloroethene (TMP)
 2.233min (-0.042) 0.137 ppb
 response 434

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	120.90	101.41
63.00	43.90	125.35#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111851.D
 Acq On : 19 Nov 2022 03:25 am
 Operator : LM
 Sample : 211237-08 1/0.25
 Misc : soil
 ALS Vial : 44 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:47:07 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



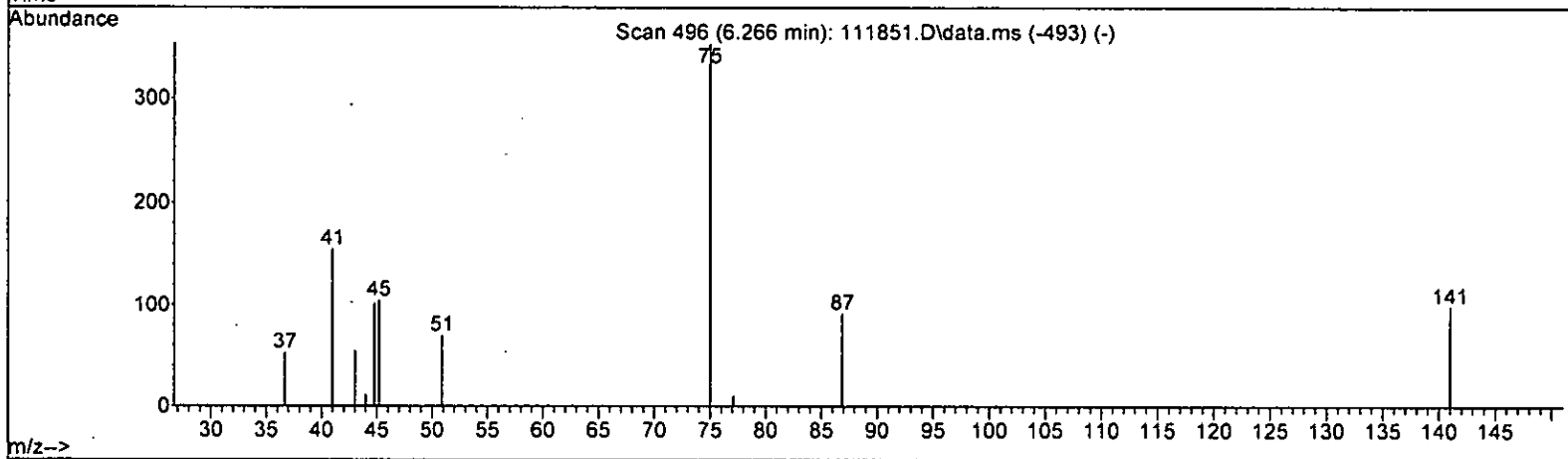
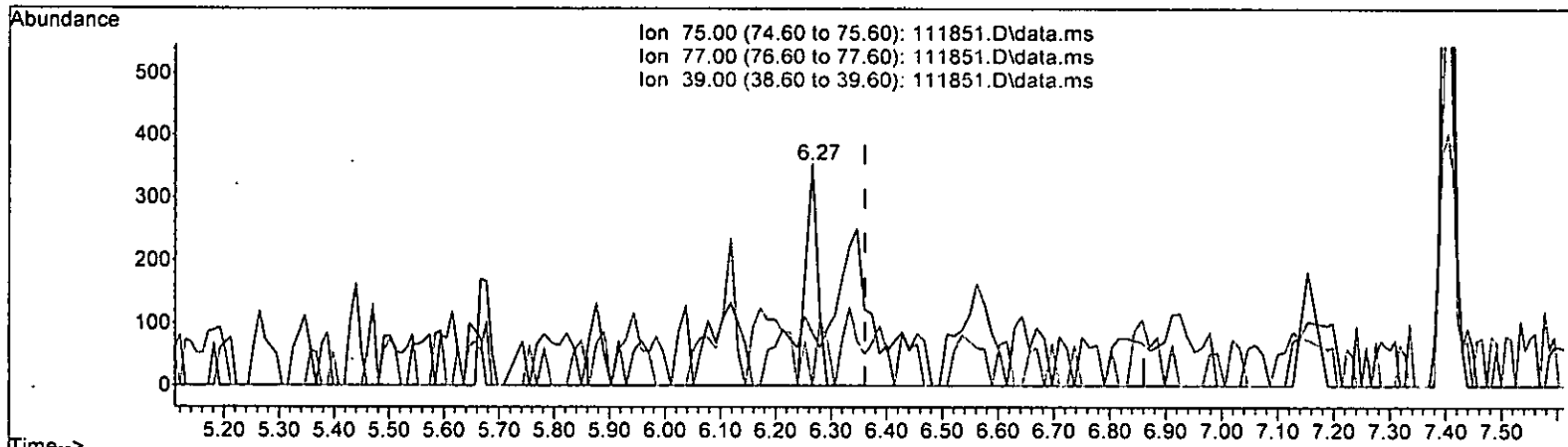
TIC: 111851.D\data.ms

(32) Trichloroethene (TMP)		
4.918min (-0.135) 0.040 ppb		
response	161	
Ion	Exp%	Act%
95.00	100.00	100.00
97.00	64.60	0.00#
129.90	103.40	84.62
131.90	95.80	84.62

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111851.D
 Acq On : 19 Nov 2022 03:25 am
 Operator : LM
 Sample : 211237-08 1/0.25
 Misc : soil
 ALS Vial : 44 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:47:07 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 111851.D\data.ms

(41) trans-1,3-Dichloropropene (TMP)
 6.266min (-0.095) 0.161 ppb
 response 515

Ion	Exp%	Act%
75.00	100.00	100.00
77.00	32.60	2.83
39.00	46.30	0.00#
0.00	0.00	0.00

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111851.D
 Acq On : 19 Nov 2022 03:25 am
 Operator : LM
 Sample : 211237-08 1/0.25
 Misc : soil
 ALS Vial : 44 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:47:07 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

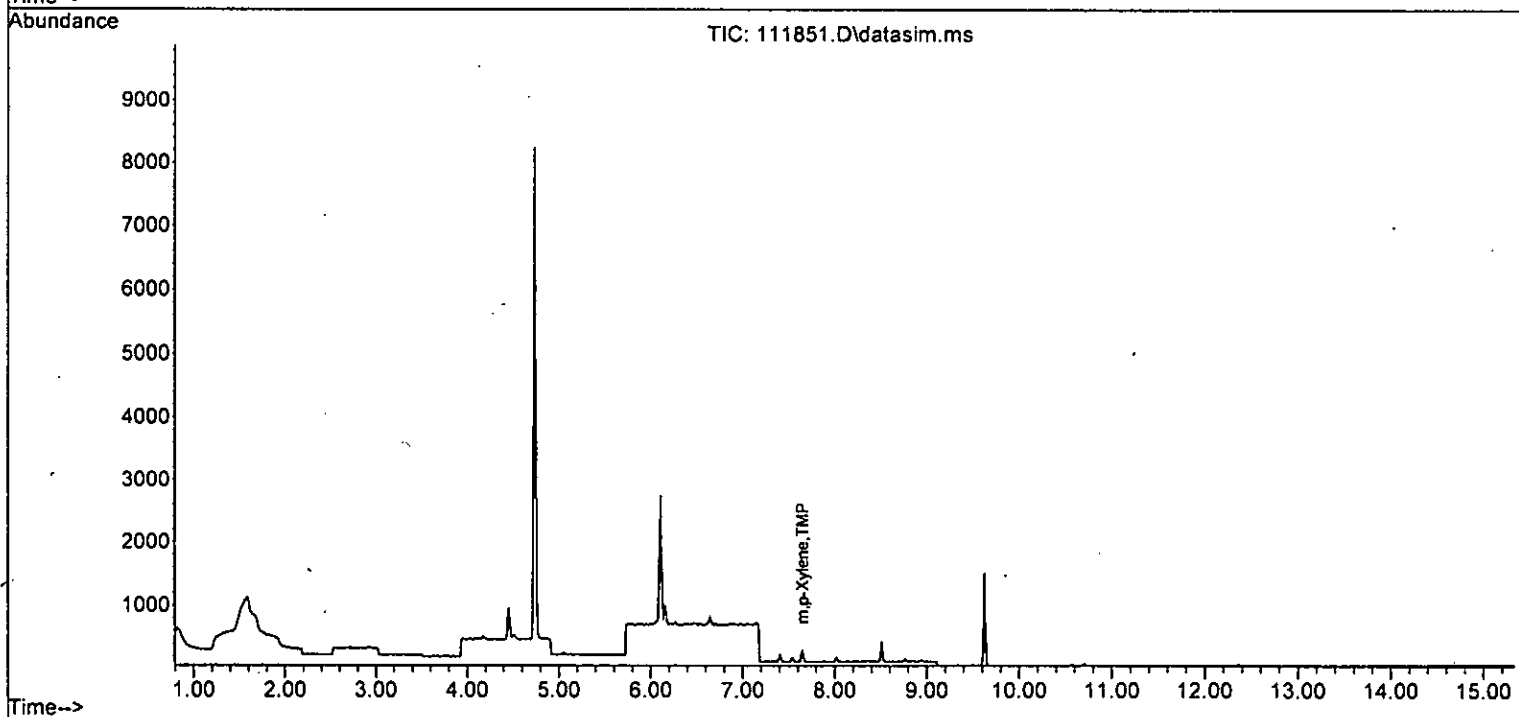
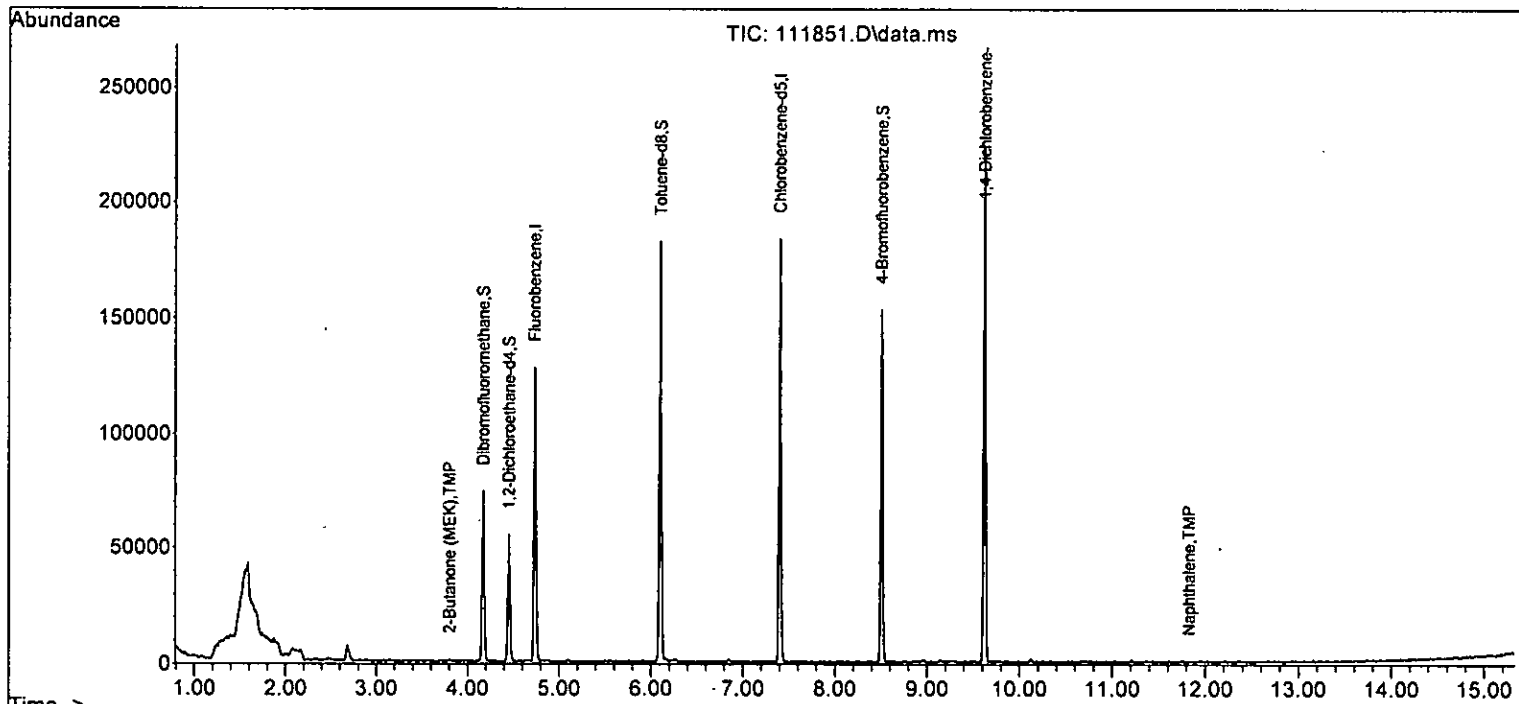
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

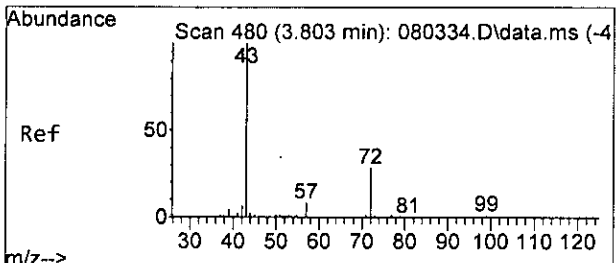
Internal Standards						
1) Fluorobenzene	4.73	96	111049	10.000	ppb	-0.01
39) Chlorobenzene-d5	7.40	117	94412	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	57236	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.17	113	33870	9.511	ppb	0.00
Spiked Amount	10.000	Range	50 - 150	Recovery	=	95.10%
30) 1,2-Dichloroethane-d4	4.45	102	6099	8.837	ppb	0.00
Spiked Amount	10.000	Range	84 - 120	Recovery	=	88.40%
35) Toluene-d8	6.10	98	98629	9.313	ppb	0.00
Spiked Amount	10.000	Range	73 - 128	Recovery	=	93.10%
57) 4-Bromofluorobenzene	8.51	95	38125	9.667	ppb	0.00
Spiked Amount	10.000	Range	57 - 146	Recovery	=	96.70%
Target Compounds						
11) Acetone	2.32	58	31	Below Cal	#	1
24) 2-Butanone (MEK)	3.80	43	517	0.114	ppb	81
26] 1,2-Dichloroethane (EDC)	4.52	62	73	Below Cal		97
42] 1,1,2-Trichloroethane	6.38	83	23	Below Cal	#	48
45] Tetrachloroethene	6.65	164	45	Below Cal		94
51] m,p-Xylene	7.65	106	104	0.018	ppb	# 80
75) Naphthalene	11.83	128	165	0.094	ppb	69

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS13\11-18-22\
Data File : 111851.D
Acq On : 19 Nov 2022 03:25 am
Operator : LM
Sample : 211237-08 1/0.25
Misc : soil
ALS Vial : 44 Sample Multiplier: 1
InstName : GCMS13

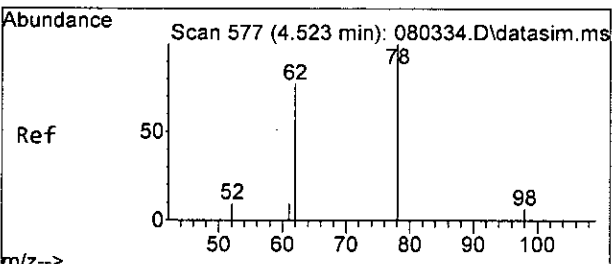
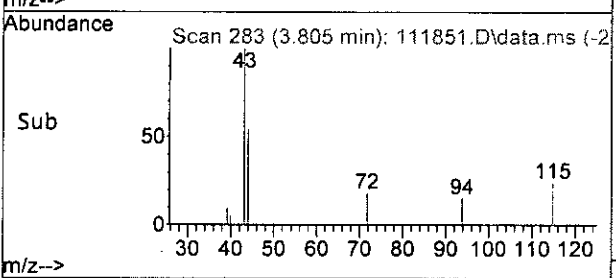
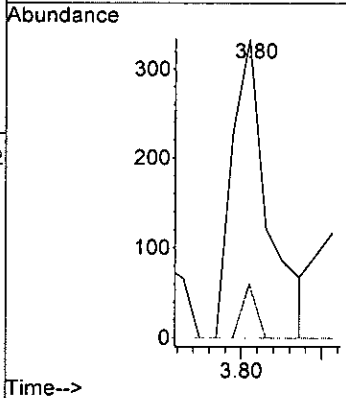
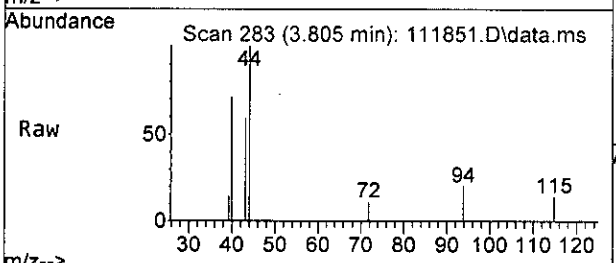
Quant Time: Nov 21 09:47:07 2022
Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
QLast Update : Mon Nov 07 15:16:10 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M





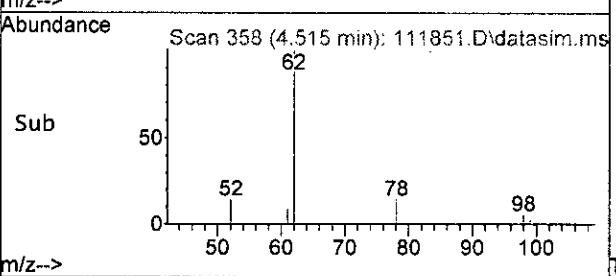
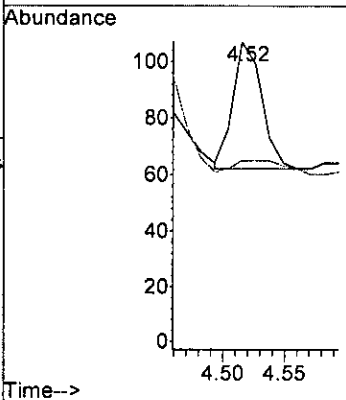
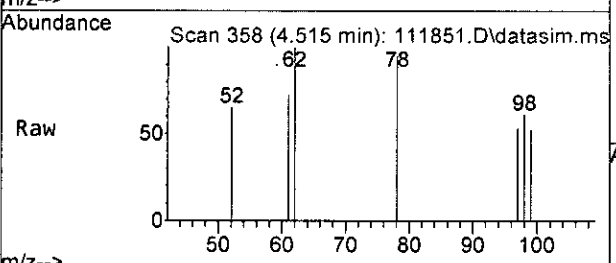
#24
 2-Butanone (MEK)
 Concen: 0.114 ppb
 RT: 3.80 min Scan# 283
 Delta R.T. 0.010 min
 Lab File: 111851.D
 Acq: 19 Nov 2022 03:25 am

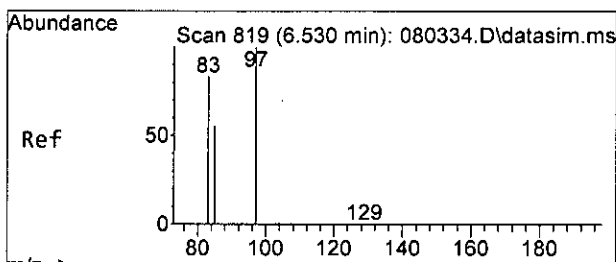
Tgt Ion	Resp	Lower	Upper
43	517		
43	100		
72	18.0	0.0	57.0
57	0.0	0.0	28.0



#26
 1,2-Dichloroethane (EDC)
 Concen: Below Cal
 RT: 4.52 min Scan# 358
 Delta R.T. -0.012 min
 Lab File: 111851.D
 Acq: 19 Nov 2022 03:25 am

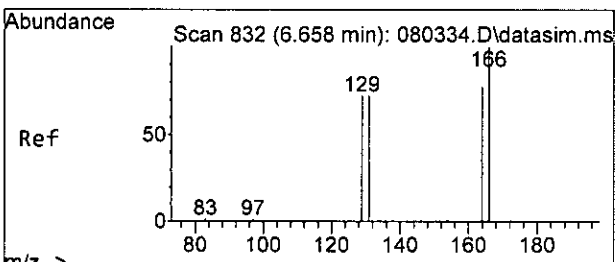
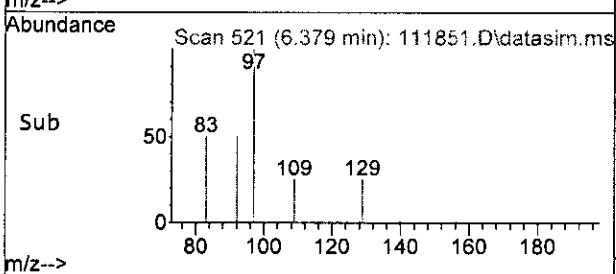
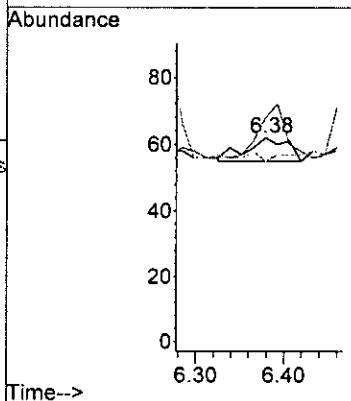
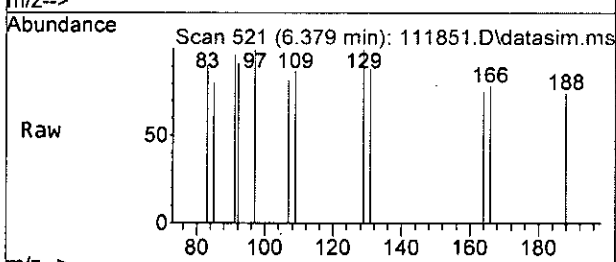
Tgt Ion	Resp	Lower	Upper
62	73		
62	100		
98	8.9	0.0	40.1





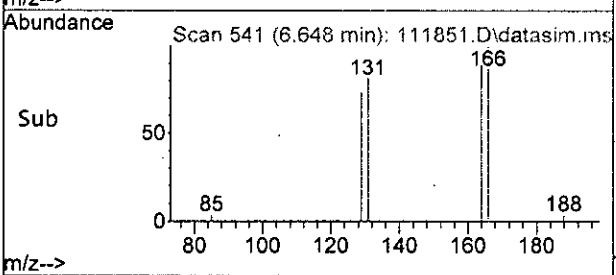
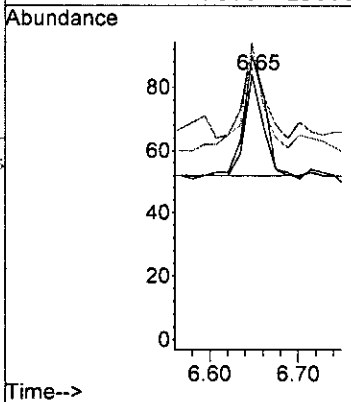
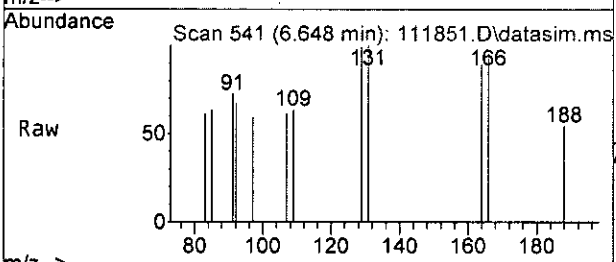
#42
 1,1,2-Trichloroethane
 Concen: Below Cal
 RT: 6.38 min Scan# 521
 Delta R.T. -0.148 min
 Lab File: 111851.D
 Acq: 19 Nov 2022 03:25 am

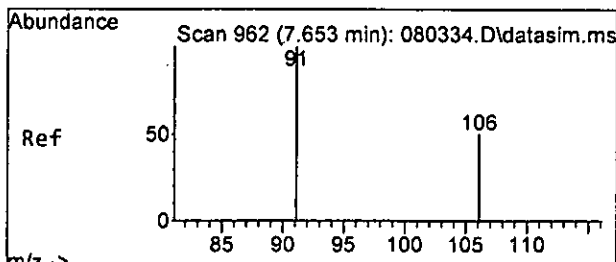
Tgt Ion: 83 Resp: 23
 Ion Ratio Lower Upper
 83 100
 97 157.1 88.0 148.0#
 85 0.0 35.3 95.3#



#45
 Tetrachloroethene
 Concen: Below Cal
 RT: 6.65 min Scan# 541
 Delta R.T. -0.000 min
 Lab File: 111851.D
 Acq: 19 Nov 2022 03:25 am

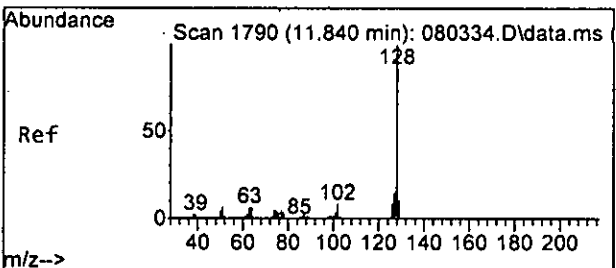
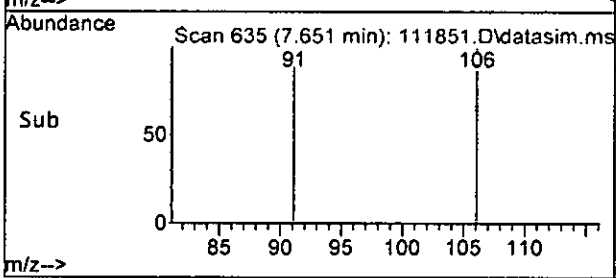
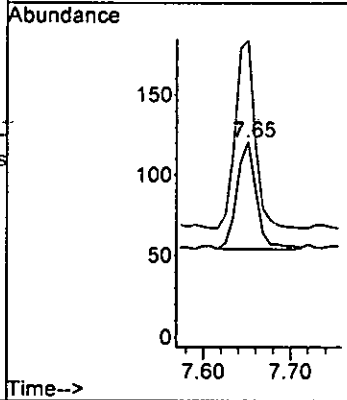
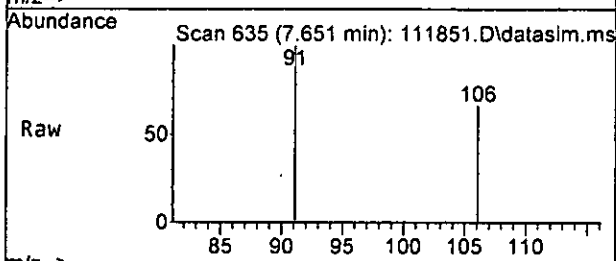
Tgt Ion: 164 Resp: 45
 Ion Ratio Lower Upper
 164 100
 129 90.6 72.1 132.1
 131 100.0 64.8 124.8
 166 121.9 90.0 150.0





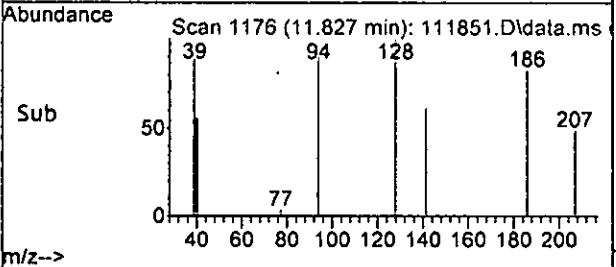
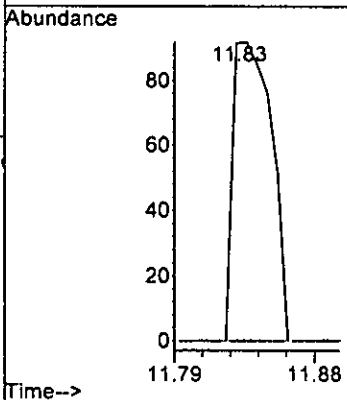
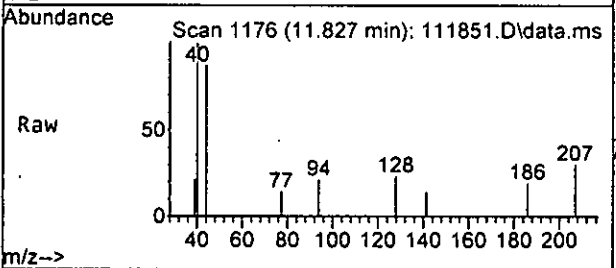
#51
 m,p-Xylene
 Concen: 0.018 ppb
 RT: 7.65 min Scan# 635
 Delta R.T. -0.000 min
 Lab File: 111851.D
 Acq: 19 Nov 2022 03:25 am

Tgt Ion: 106 Resp: 104
 Ion Ratio Lower Upper
 106 100
 91 174.6 175.7 235.7#



#75
 Naphthalene
 Concen: 0.094 ppb
 RT: 11.83 min Scan# 1176
 Delta R.T. -0.008 min
 Lab File: 111851.D
 Acq: 19 Nov 2022 03:25 am

Tgt Ion: 128 Resp: 165
 Ion Ratio Lower Upper
 128 100
 129 0.0 0.0 40.8
 127 0.0 0.0 43.1



Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111851.D
 Acq On : 19 Nov 2022 03:25 am
 Operator : LM
 Sample : 211237-08 1/0.25
 Misc : soil
 ALS Vial : 44 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:47:07 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 Qlast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) Fluorobenzene	4.73	96	111049	10.000	ppb	-0.01	
39) Chlorobenzene-d5	7.40	117	94412	10.000	ppb	0.00	
56) 1,4-Dichlorobenzene-d4	9.62	152	57236	10.000	ppb	0.00	
System Monitoring Compounds							
3) Dibromofluoromethane	4.17	113	33870	9.511	ppb	0.00	
Spiked Amount	10.000	Range 50 - 150	Recovery	=	95.10%		
30) 1,2-Dichloroethane-d4	4.45	102	6099	8.837	ppb	0.00	
Spiked Amount	10.000	Range 84 - 120	Recovery	=	88.40%		
35) Toluene-d8	6.10	98	98629	9.313	ppb	0.00	
Spiked Amount	10.000	Range 73 - 128	Recovery	=	93.10%		
57) 4-Bromofluorobenzene	8.51	95	38125	9.667	ppb	0.00	
Spiked Amount	10.000	Range 57 - 146	Recovery	=	96.70%		
Target Compounds							
2) Ethanol	2.33	45	184	No Calib			Qvalue
4) Dichlorodifluoromethane	0.00		0	N.D.			
5) Chloromethane	1.25	50	472	N.D.			
6) Vinyl chloride	0.00		0	N.D.			
7) Bromomethane	0.00		0	N.D.			
8) Chloroethane	0.00		0	N.D.			
9) Trichlorofluoromethane	0.00		0	N.D.			
10) 2-Propanol	2.33	45	184	No Calib	#		
11) Acetone	2.32	58	31	Below Cal	#	1	
12) 1,1-Dichloroethene	0.00		0	N.D.	d		
13) Hexane	3.15	57	111	N.D.			
14) Methylene chloride	2.68	84	3613	N.D.			
15) t-Butyl alcohol (TBA)	0.00		0	N.D.			
16) Methyl t-butyl ether (...)	0.00		0	N.D.			
17) trans-1,2-Dichloroethene	0.00		0	N.D.			
18) Diisopropyl ether (DIPE)	0.00		0	N.D.			
19) 1,1-Dichloroethane	0.00		0	N.D.			
20) Ethyl t-butyl ether (E...)	0.00		0	N.D.			
21) 2,2-Dichloropropane	3.71	77	195	N.D.			
22) cis-1,2-Dichloroethene	0.00		0	N.D.			
23) Chloroform	0.00		0	N.D.			
24) 2-Butanone (MEK)	3.80	43	517	0.114	ppb	81	
25) t-Amyl methyl ether (T...)	0.00		0	N.D.			
26] 1,2-Dichloroethane (EDC)	4.52	62	73	Below Cal		97	
27) 1,1,1-Trichloroethane	0.00		0	N.D.			
28) 1,1-Dichloropropene	0.00		0	N.D.			
29) Carbon tetrachloride	0.00		0	N.D.			
31) Benzene	4.50	78	59	N.D.			
32) Trichloroethene	0.00		0	N.D.	d		
33) 1,2-Dichloropropane	0.00		0	N.D.			
34) Bromodichloromethane	0.00		0	N.D.			
36) Dibromomethane	0.00		0	N.D.			

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111851.D
 Acq On : 19 Nov 2022 03:25 am
 Operator : LM
 Sample : 211237-08 1/0.25
 Misc : soil
 ALS Vial : 44 Sample Multiplier: 1
 InstName : GCMS13

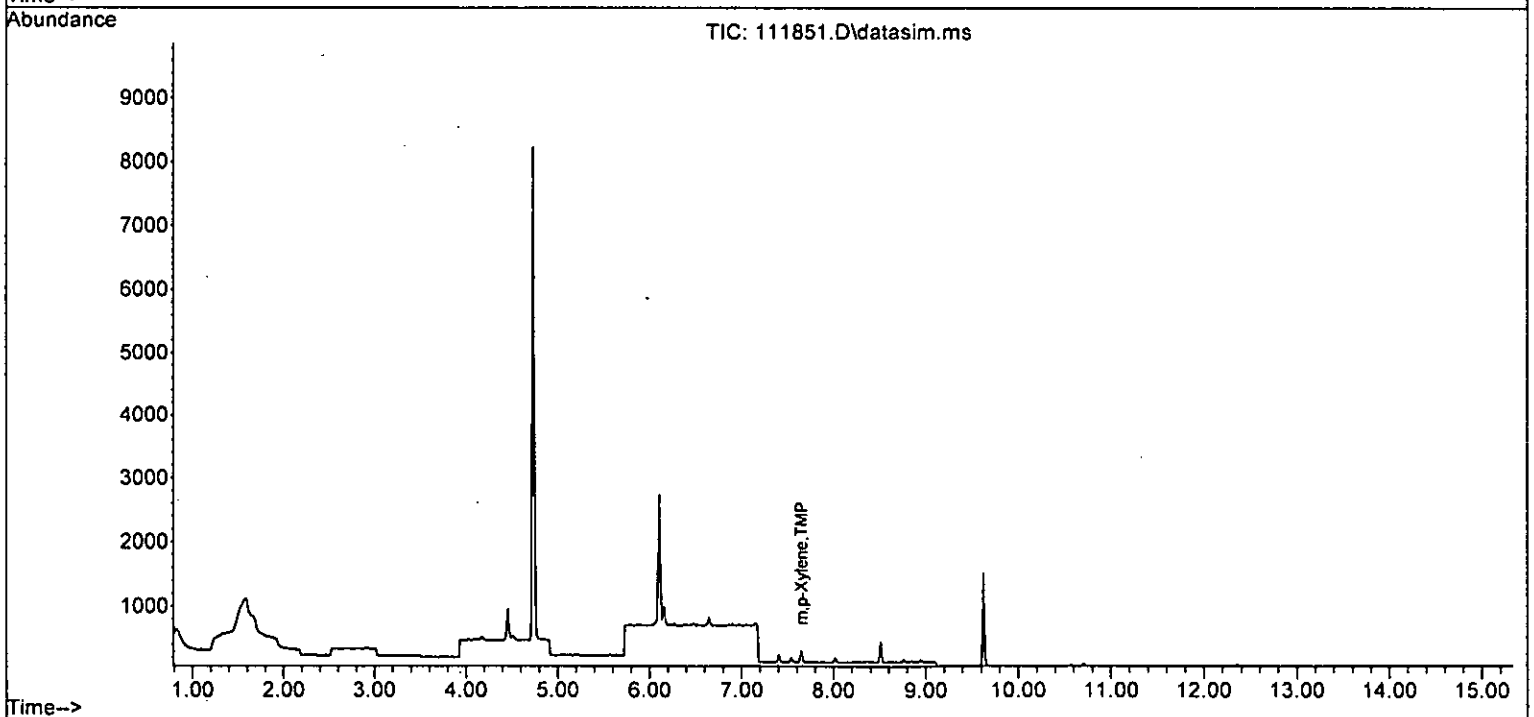
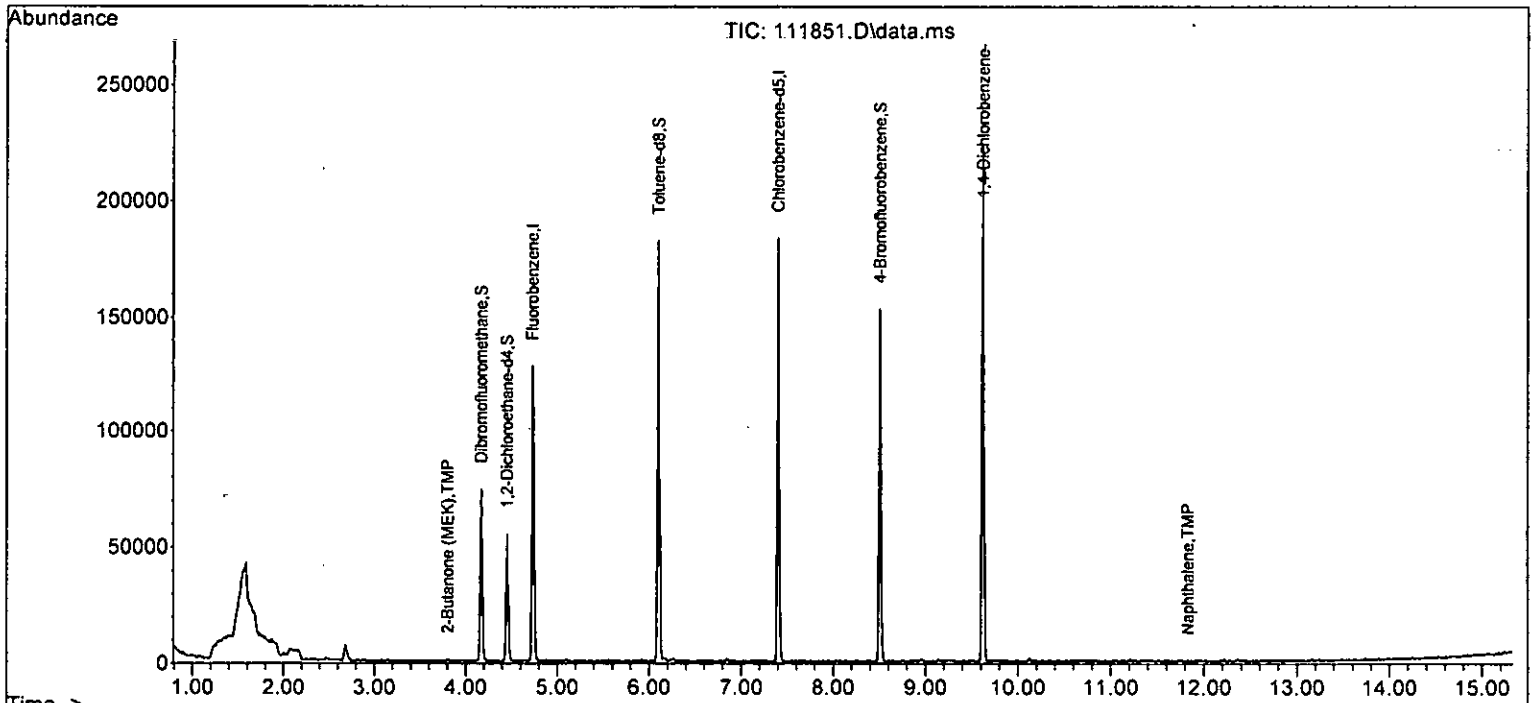
Quant Time: Nov 21 09:47:07 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.00		0		N.D.	
38) cis-1,3-Dichloropropene	0.00		0		N.D.	
40) Toluene	6.16	92	141		N.D.	
41) trans-1,3-Dichloropropene	0.00		0		N.D. d	
42] 1,1,2-Trichloroethane	6.38	83	23	Below Cal	#	48
43) 2-Hexanone	6.72	43	127		N.D.	
44) 1,3-Dichloropropane	0.00		0		N.D.	
45] Tetrachloroethene	6.65	164	45	Below Cal		94
46) Dibromochloromethane	0.00		0		N.D.	
47) 1,2-Dibromoethane (EDB)	0.00		0		N.D.	
48) Chlorobenzene	0.00		0		N.D.	
49) Ethylbenzene	7.54	91	84		N.D.	
50) 1,1,1,2-Tetrachloroethane	0.00		0		N.D.	
51] m,p-Xylene	7.65	106	104	0.018 ppb	#	80
52) o-Xylene	8.02	106	42		N.D.	
53) Styrene	0.00		0		N.D.	
54) Isopropylbenzene	8.37	105	104		N.D.	
55) Bromoform	0.00		0		N.D.	
58) n-Propylbenzene	8.76	91	115		N.D.	
59) Bromobenzene	0.00		0		N.D.	
60) 1,3,5-Trimethylbenzene	8.94	105	65		N.D.	
61) 1,1,2,2-Tetrachloroethane	0.00		0		N.D.	
62) 1,2,3-Trichloropropane	8.89	75	33		N.D.	
63) 2-Chlorotoluene	8.91	91	26		N.D.	
64) 4-Chlorotoluene	8.95	91	30		N.D.	
65) tert-Butylbenzene	0.00		0		N.D.	
66) 1,2,4-Trimethylbenzene	9.28	105	258		N.D.	
67) sec-Butylbenzene	9.46	105	43		N.D.	
68) p-Isopropyltoluene	9.62	119	194		N.D.	
69) 1,3-Dichlorobenzene	9.64	146	83		N.D.	
70) 1,4-Dichlorobenzene	9.64	146	83		N.D.	
71) 1,2-Dichlorobenzene	0.00		0		N.D.	
72) 1,2-Dibromo-3-chloropr...	0.00		0		N.D.	
73) 1,2,4-Trichlorobenzene	0.00		0		N.D.	
74) Hexachlorobutadiene	0.00		0		N.D.	
75) Naphthalene	11.83	128	165	0.094 ppb		69
76) 1,2,3-Trichlorobenzene	0.00		0		N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111851.D
 Acq On : 19 Nov 2022 03:25 am
 Operator : LM
 Sample : 211237-08 1/0.25
 Misc : soil
 ALS Vial : 44 Sample Multiplier: 1
 InstName : GCMS13

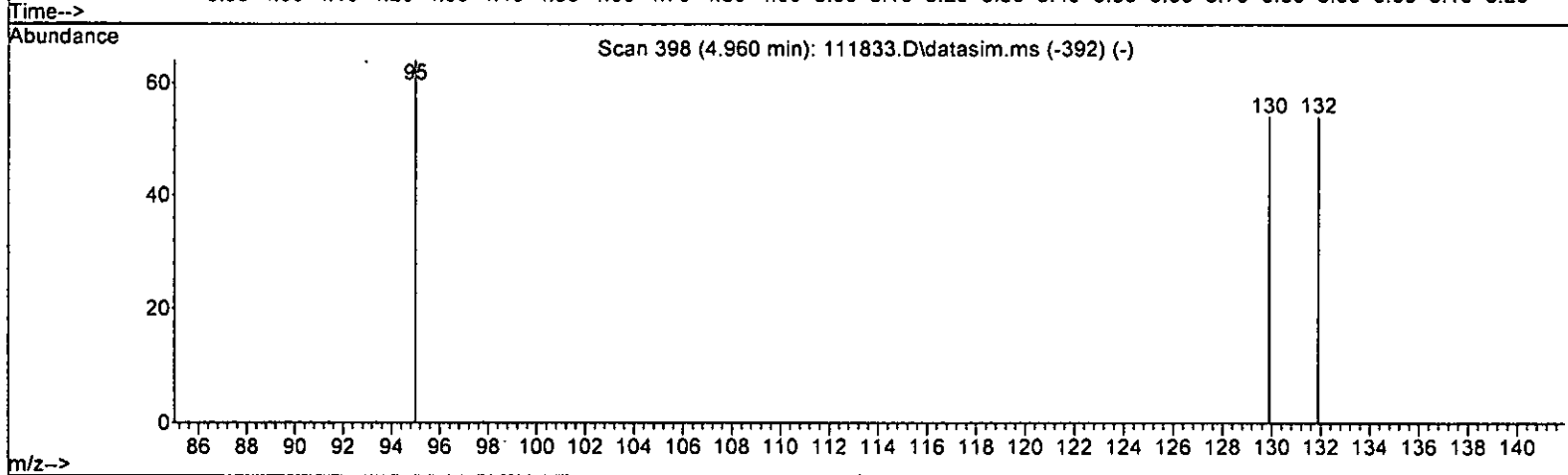
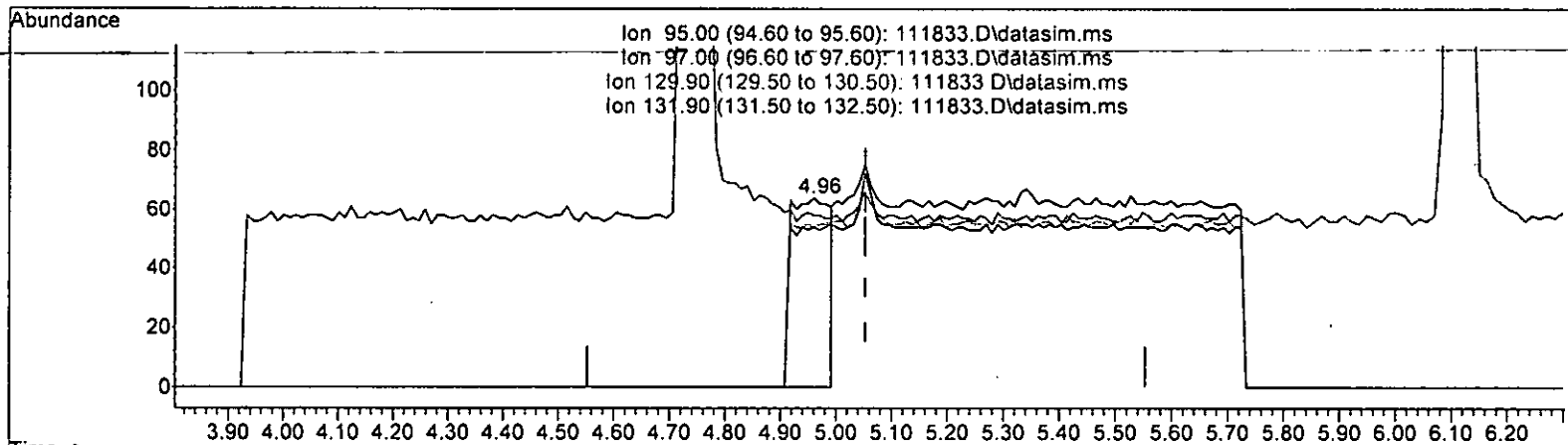
Quant Time: Nov 21 09:47:07 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111833.D
 Acq On : 18 Nov 2022 08:28 pm
 Operator : LM
 Sample : 211237-06
 Misc : water
 ALS Vial : 26 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 10:33:51 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 111833.D\data.ms

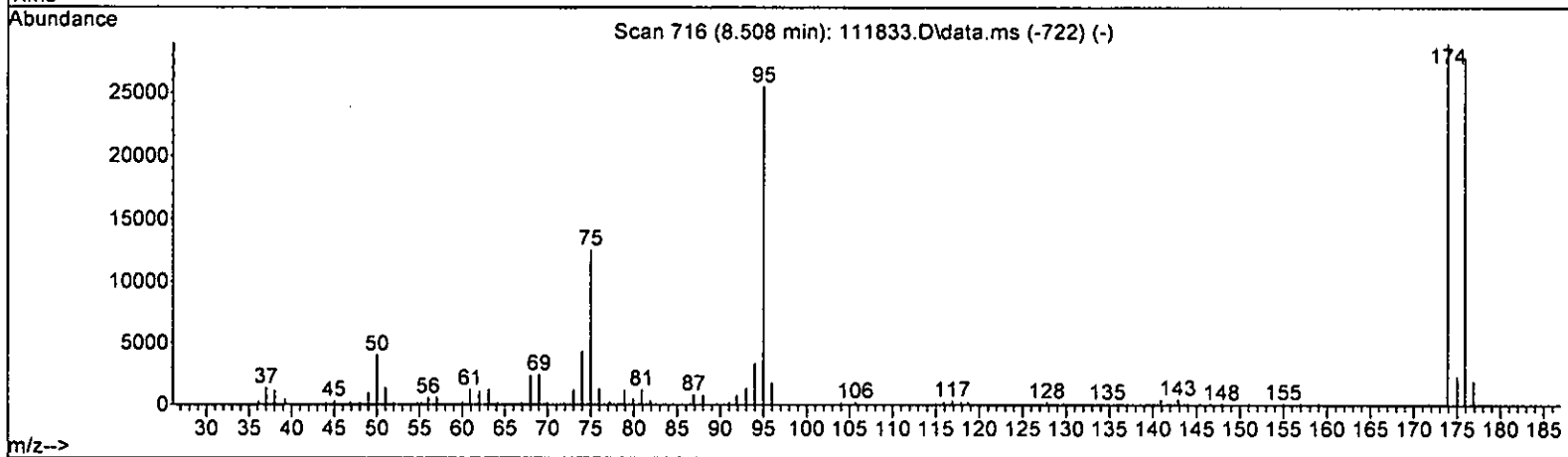
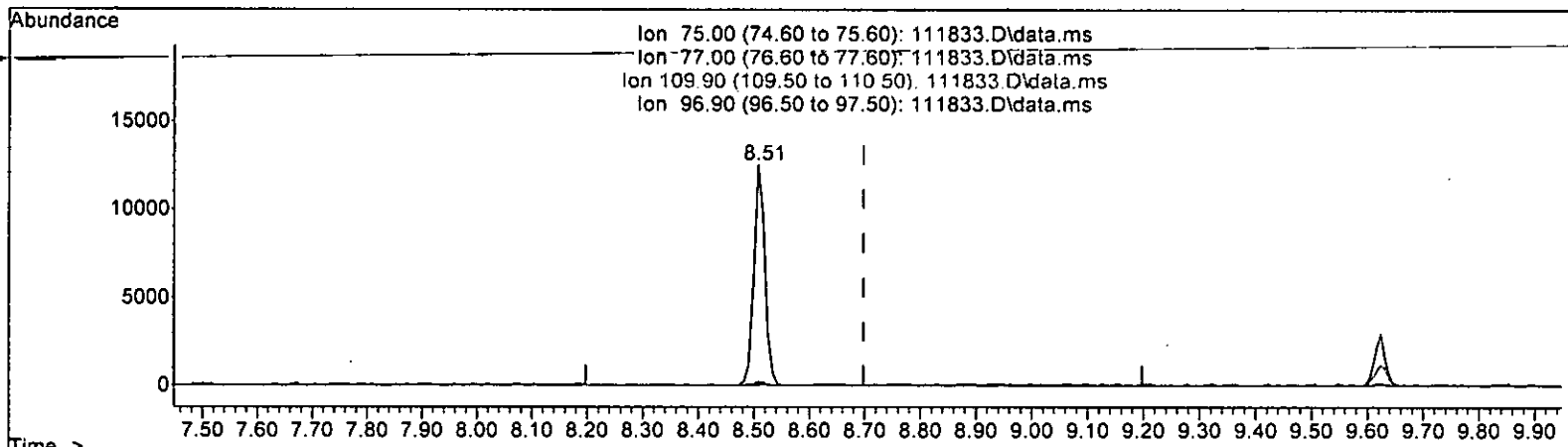
(32) Trichloroethene (TMP)
 4.960min (-0.093) 0.079 ppb
 response 313

Ion	Exp%	Act%
95.00	100.00	100.00
97.00	.64.60	1.56#
129.90	103.40	84.38
131.90	95.80	84.38

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111833.D
 Acq On : 18 Nov 2022 08:28 pm
 Operator : LM
 Sample : 211237-06
 Misc : water
 ALS Vial : 26 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 10:33:51 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 Qlast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 111833.D\data.ms

(62) 1,2,3-Trichloropropane (TMP)

8.508min (-0.190) 6.730 ppb

response	17134	
Ion	Exp%	Act%
75.00	100.00	100.00
77.00	34.00	1.59#
109.90	36.50	0.00#
96.90	22.60	0.00

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111833.D
 Acq On : 18 Nov 2022 08:28 pm
 Operator : LM
 Sample : 211237-06
 Misc : water
 ALS Vial : 26 Sample Multiplier: 1
 InstName : GCMS13

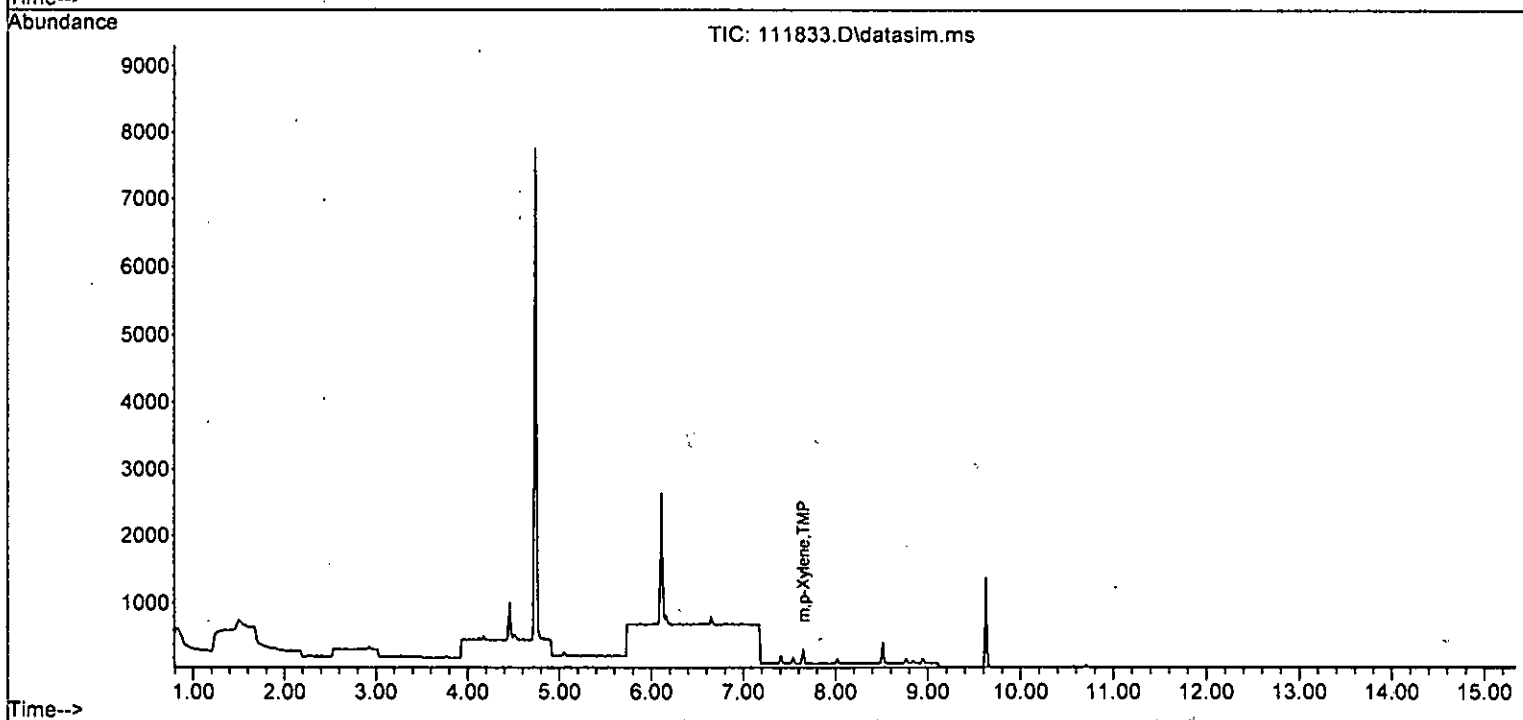
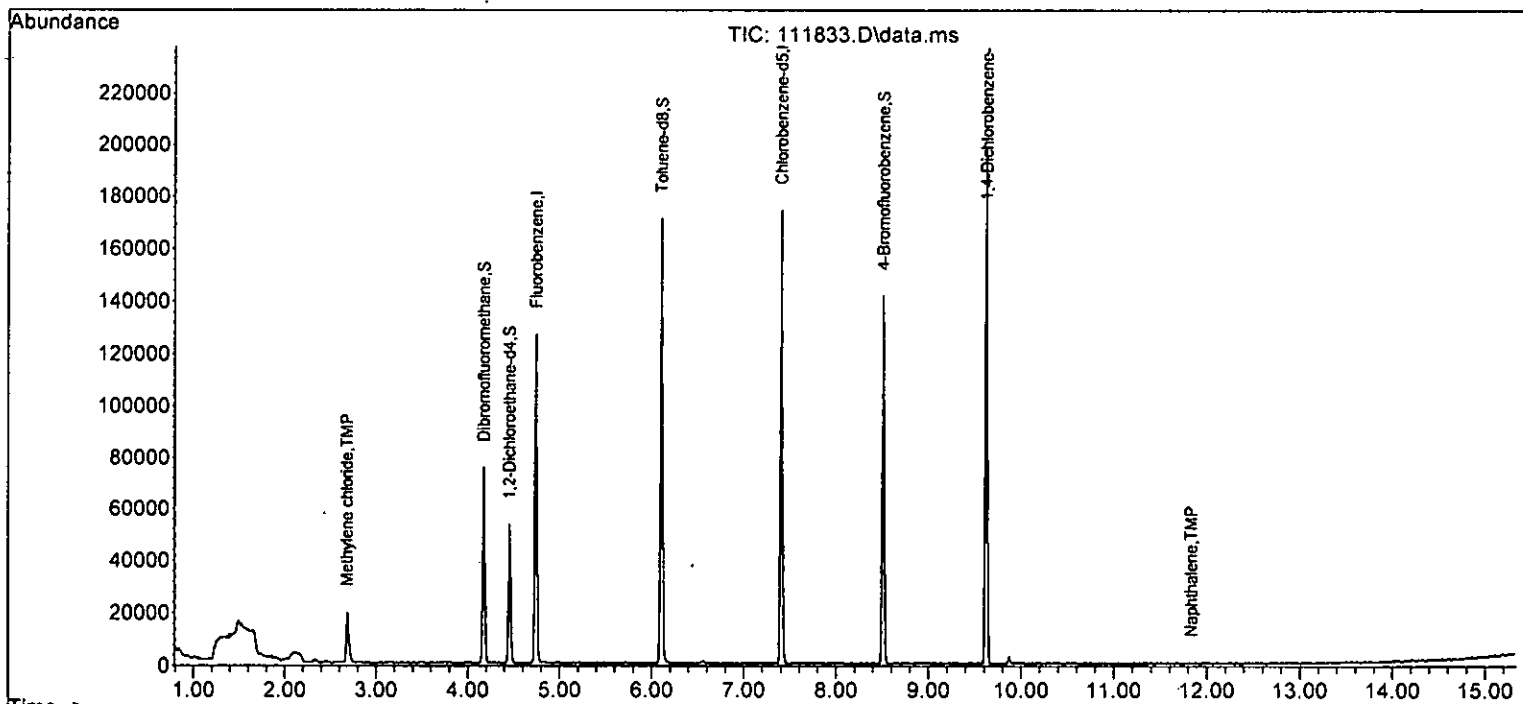
Quant Time: Nov 21 10:33:51 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

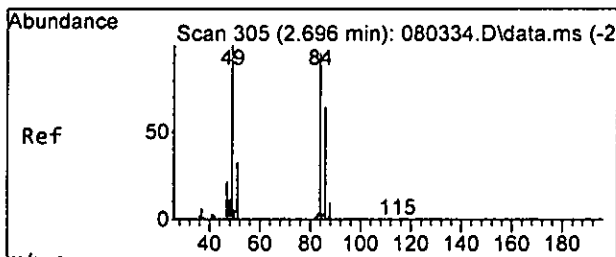
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.75	96	108572	10.000	ppb	0.00
39) Chlorobenzene-d5	7.40	117	89263	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	52365	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.18	113	33284	9.559	ppb	0.00
Spiked Amount	10.000	Range	50 - 150	Recovery	=	95.60%
30) 1,2-Dichloroethane-d4	4.45	102	6321	9.368	ppb	0.00
Spiked Amount	10.000	Range	71 - 132	Recovery	=	93.70%
35) Toluene-d8	6.11	98	94750	9.150	ppb	0.00
Spiked Amount	10.000	Range	68 - 139	Recovery	=	91.50%
57) 4-Bromofluorobenzene	8.51	95	35739	9.905	ppb	0.00
Spiked Amount	10.000	Range	62 - 136	Recovery	=	99.00%
Target Compounds						
11) Acetone	2.33	58	248	Below Cal	#	36
14) Methylene chloride	2.68	84	9628	2.107	ppb	94
24) 2-Butanone (MEK)	3.79	43	69	Below Cal		55
26] 1,2-Dichloroethane (EDC)	4.53	62	75	Below Cal		95
40] Toluene	6.16	92	65	Below Cal		96
42] 1,1,2-Trichloroethane	6.53	83	20	Below Cal	#	41
45] Tetrachloroethene	6.65	164	49	Below Cal		97
51] m,p-Xylene	7.65	106	105	0.019	ppb	# 80
75) Naphthalene	11.83	128	172	0.096	ppb	69

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111833.D
 Acq On : 18 Nov 2022 08:28 pm
 Operator : LM
 Sample : 211237-06
 Misc : water
 ALS Vial : 26 Sample Multiplier: 1
 InstName : GCMS13

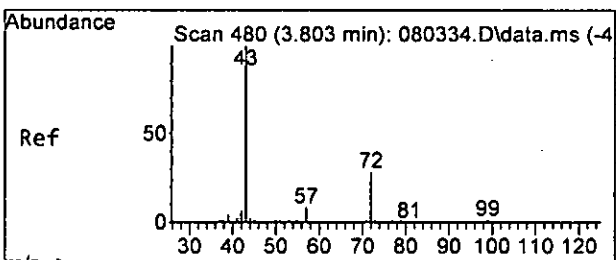
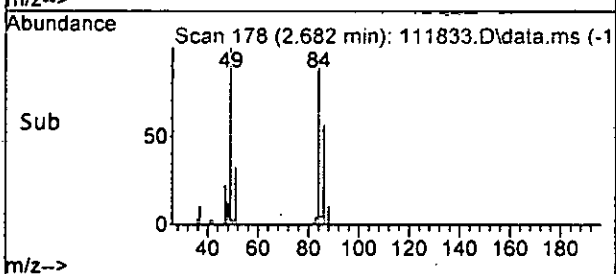
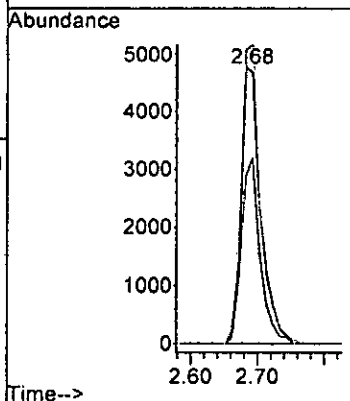
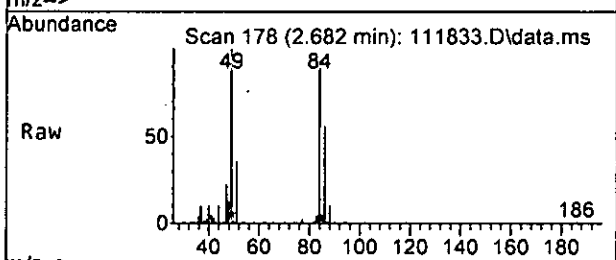
Quant Time: Nov 21 10:33:51 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth: VM080322.M





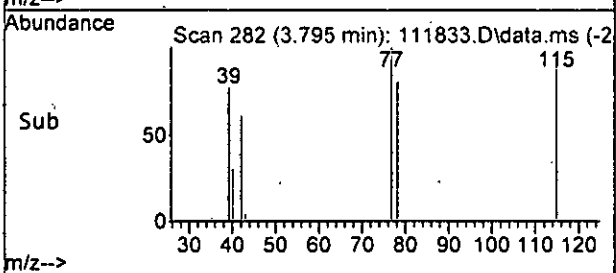
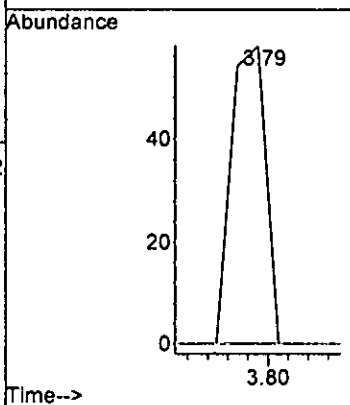
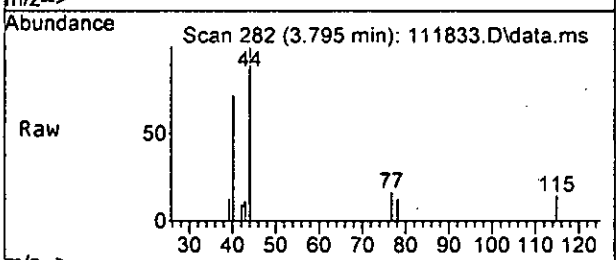
#14
 Methylene chloride
 Concen: 2.107 ppb
 RT: 2.68 min Scan# 178
 Delta R.T. -0.000 min
 Lab File: 111833.D
 Acq: 18 Nov 2022 08:28 pm

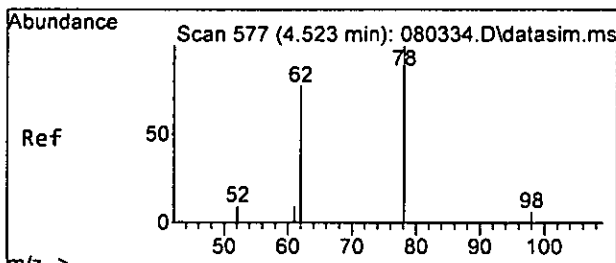
Tgt Ion: 84 Resp: 9628
 Ion Ratio Lower Upper
 84 100
 86 60.0 37.1 97.1
 49 106.2 81.3 141.3



#24
 2-Butanone (MEK)
 Concen: Below Cal
 RT: 3.79 min Scan# 282
 Delta R.T. -0.000 min
 Lab File: 111833.D
 Acq: 18 Nov 2022 08:28 pm

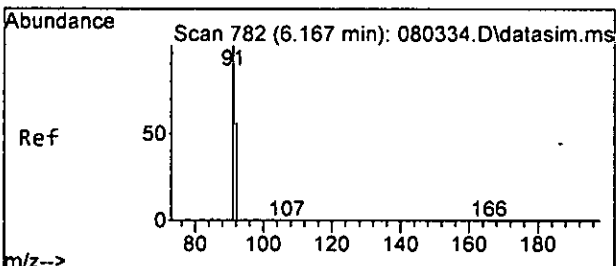
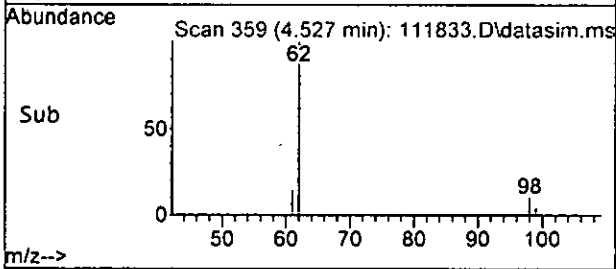
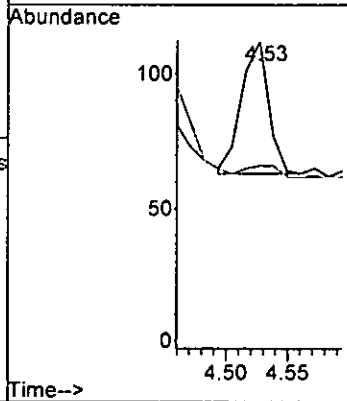
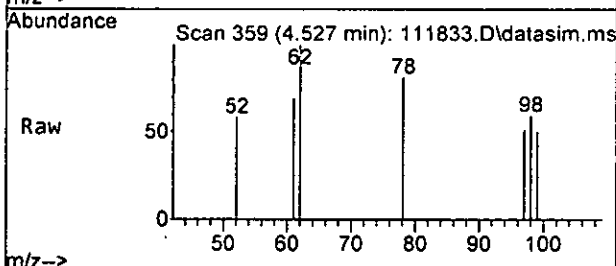
Tgt Ion: 43 Resp: 69
 Ion Ratio Lower Upper
 43 100
 72 0.0 0.0 57.0
 57 0.0 0.0 28.0





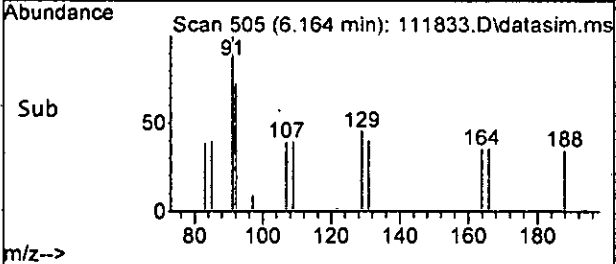
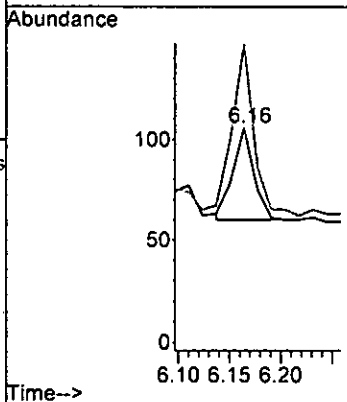
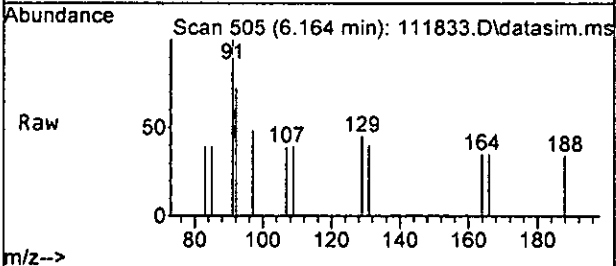
#26
 1,2-Dichloroethane (EDC)
 Concen: Below Cal
 RT: 4.53 min Scan# 359
 Delta R.T. -0.000 min
 Lab File: 111833.D
 Acq: 18 Nov 2022 08:28 pm

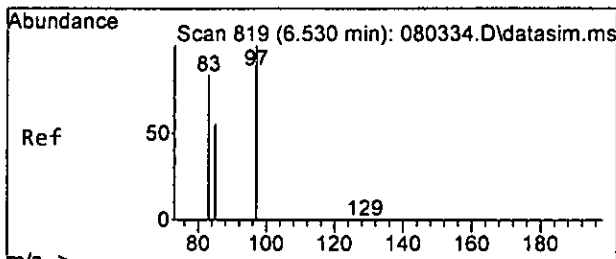
Tgt Ion: 62 Resp: 75
 Ion Ratio Lower Upper
 62 100
 98 8.2 0.0 40.1



#40
 Toluene
 Concen: Below Cal
 RT: 6.16 min Scan# 505
 Delta R.T. -0.000 min
 Lab File: 111833.D
 Acq: 18 Nov 2022 08:28 pm

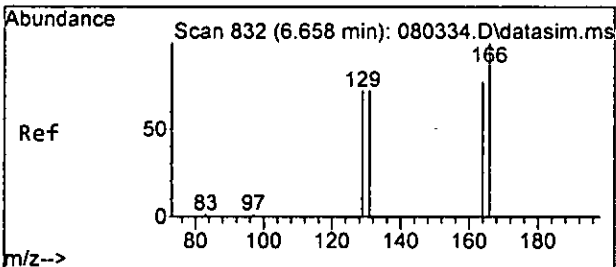
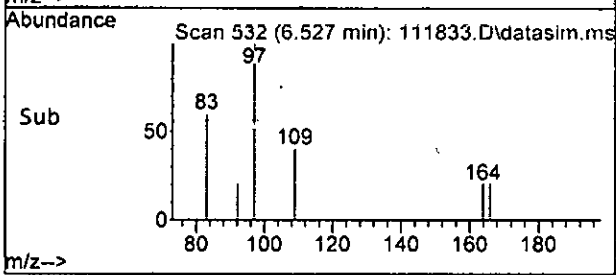
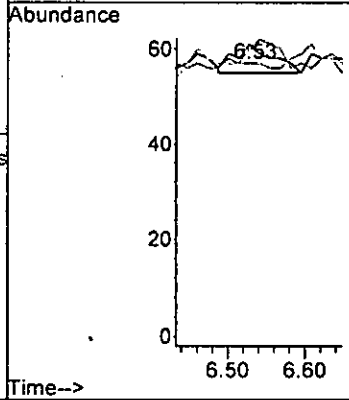
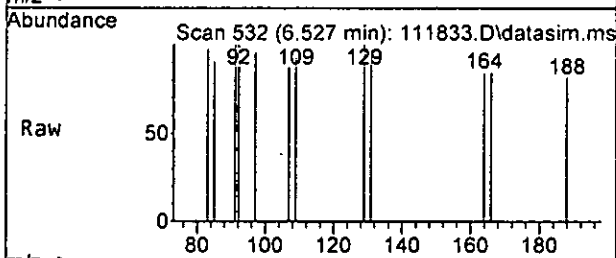
Tgt Ion: 92 Resp: 65
 Ion Ratio Lower Upper
 92 100
 91 184.8 148.5 208.5





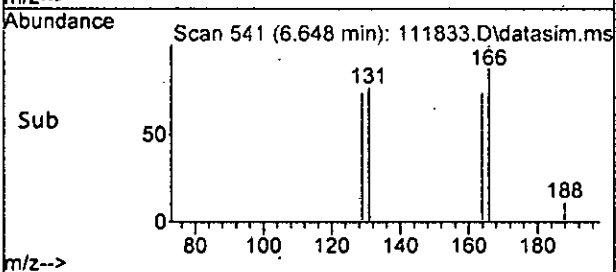
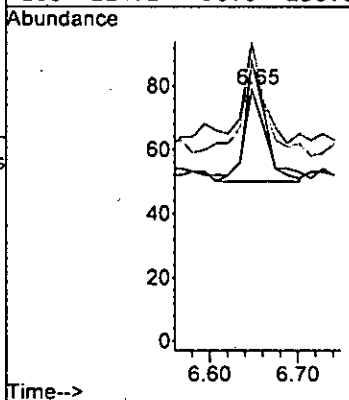
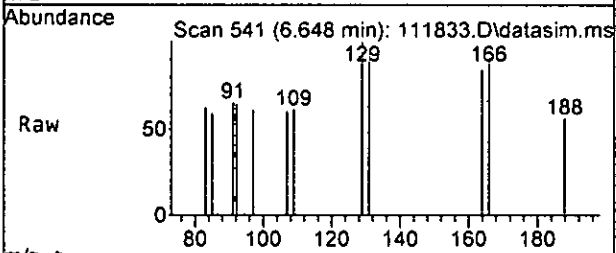
#42
 1,1,2-Trichloroethane
 Concen: Below Cal
 RT: 6.53 min Scan# 532
 Delta R.T. -0.000 min
 Lab File: 111833.D
 Acq: 18 Nov 2022 08:28 pm

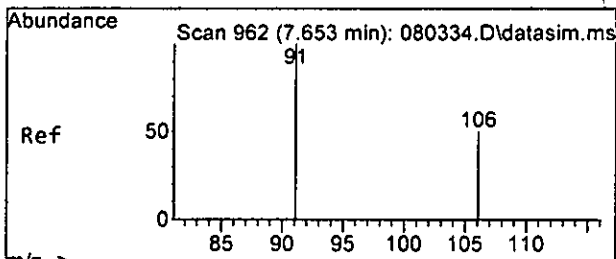
Tgt Ion: 83 Resp: 20
 Ion Ratio Lower Upper
 83 100
 97 66.7 88.0 148.0#
 85 0.0 35.3 95.3#



#45
 Tetrachloroethene
 Concen: Below Cal
 RT: 6.65 min Scan# 541
 Delta R.T. -0.000 min
 Lab File: 111833.D
 Acq: 18 Nov 2022 08:28 pm

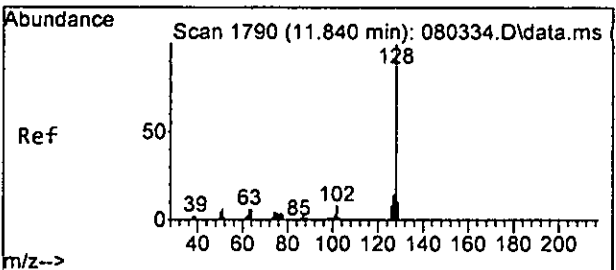
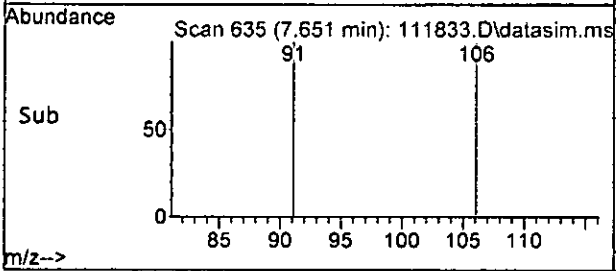
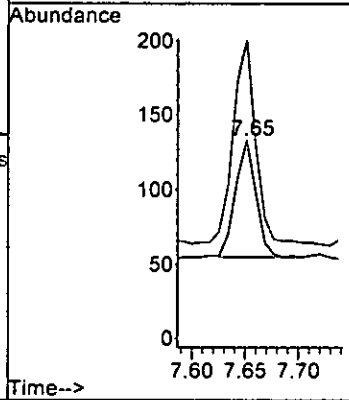
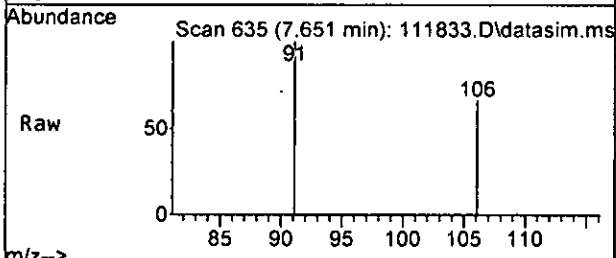
Tgt Ion: 166 Resp: 49
 Ion Ratio Lower Upper
 164 100
 129 100.0 72.1 132.1
 131 93.1 64.8 124.8
 166 124.1 90.0 150.0





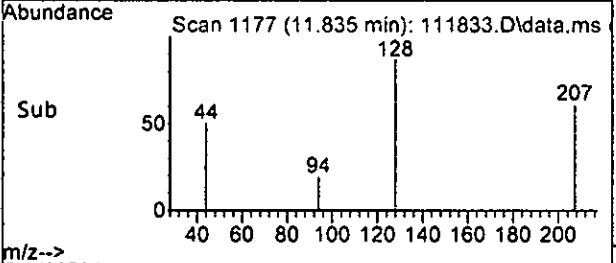
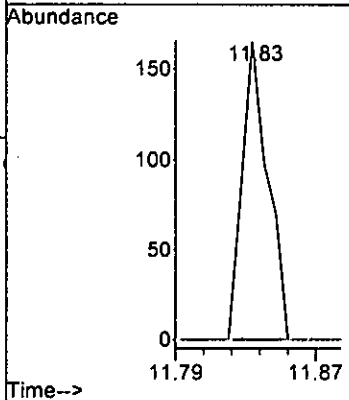
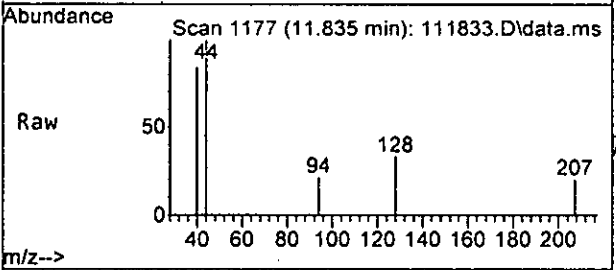
#51
 m,p-Xylene
 Concen: 0.019 ppb
 RT: 7.65 min Scan# 635
 Delta R.T. 0.000 min
 Lab File: 111833.D
 Acq: 18 Nov 2022 08:28 pm

Tgt Ion:106 Resp: 105
 Ion Ratio Lower Upper
 106 100
 91 174.4 175.7 235.7#



#75
 Naphthalene
 Concen: 0.096 ppb
 RT: 11.83 min Scan# 1177
 Delta R.T. -0.000 min
 Lab File: 111833.D
 Acq: 18 Nov 2022 08:28 pm

Tgt Ion:128 Resp: 172
 Ion Ratio Lower Upper
 128 100
 129 0.0 0.0 40.8
 127 0.0 0.0 43.1



Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111833.D
 Acq On : 18 Nov 2022 08:28 pm
 Operator : LM
 Sample : 211237-06
 Misc : water
 ALS Vial : 26 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 10:33:51 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) Fluorobenzene	4.75	96	108572	10.000	ppb	0.00	
39) Chlorobenzene-d5	7.40	117	89263	10.000	ppb	0.00	
56) 1,4-Dichlorobenzene-d4	9.62	152	52365	10.000	ppb	0.00	
System Monitoring Compounds							
3) Dibromofluoromethane	4.18	113	33284	9.559	ppb	0.00	
Spiked Amount	10.000	Range 50 - 150	Recovery	=	95.60%		
30) 1,2-Dichloroethane-d4	4.45	102	6321	9.368	ppb	0.00	
Spiked Amount	10.000	Range 71 - 132	Recovery	=	93.70%		
35) Toluene-d8	6.11	98	94750	9.150	ppb	0.00	
Spiked Amount	10.000	Range 68 - 139	Recovery	=	91.50%		
57) 4-Bromofluorobenzene	8.51	95	35739	9.905	ppb	0.00	
Spiked Amount	10.000	Range 62 - 136	Recovery	=	99.00%		
Target Compounds							
2) Ethanol	2.34	45	199	No Calib			Qvalue
4) Dichlorodifluoromethane	0.00		0	N.D.			
5) Chloromethane	1.26	50	762	N.D.			
6) Vinyl chloride	0.00		0	N.D.			
7) Bromomethane	0.00		0	N.D.			
8) Chloroethane	0.00		0	N.D.			
9) Trichlorofluoromethane	1.86	101	41	N.D.			
10) 2-Propanol	2.34	45	199	No Calib	#		
11) Acetone	2.33	58	248	Below Cal	#	36	
12) 1,1-Dichloroethene	0.00		0	N.D.			
13) Hexane	0.00		0	N.D.			
14) Methylene chloride	2.68	84	9628	2.107	ppb	94	
15) t-Butyl alcohol (TBA)	0.00		0	N.D.			
16) Methyl t-butyl ether (...)	0.00		0	N.D.			
17) trans-1,2-Dichloroethene	0.00		0	N.D.			
18) Diisopropyl ether (DIPE)	0.00		0	N.D.			
19) 1,1-Dichloroethane	0.00		0	N.D.			
20) Ethyl t-butyl ether (E...)	0.00		0	N.D.			
21) 2,2-Dichloropropane	3.81	77	146	N.D.			
22) cis-1,2-Dichloroethene	0.00		0	N.D.			
23) Chloroform	0.00		0	N.D.			
24) 2-Butanone (MEK)	3.79	43	69	Below Cal		55	
25) t-Amyl methyl ether (T...)	0.00		0	N.D.			
26] 1,2-Dichloroethane (EDC)	4.53	62	75	Below Cal		95	
27) 1,1,1-Trichloroethane	0.00		0	N.D.			
28) 1,1-Dichloropropene	0.00		0	N.D.			
29) Carbon tetrachloride	0.00		0	N.D.			
31) Benzene	0.00		0	N.D.			
32) Trichloroethene	0.00		0	N.D.	d		
33) 1,2-Dichloropropane	0.00		0	N.D.			
34) Bromodichloromethane	0.00		0	N.D.			
36) Dibromomethane	0.00		0	N.D.			

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111833.D
 Acq On : 18 Nov 2022 08:28 pm
 Operator : LM
 Sample : 211237-06
 Misc : water
 ALS Vial : 26 Sample Multiplier: 1
 InstName : GCMS13

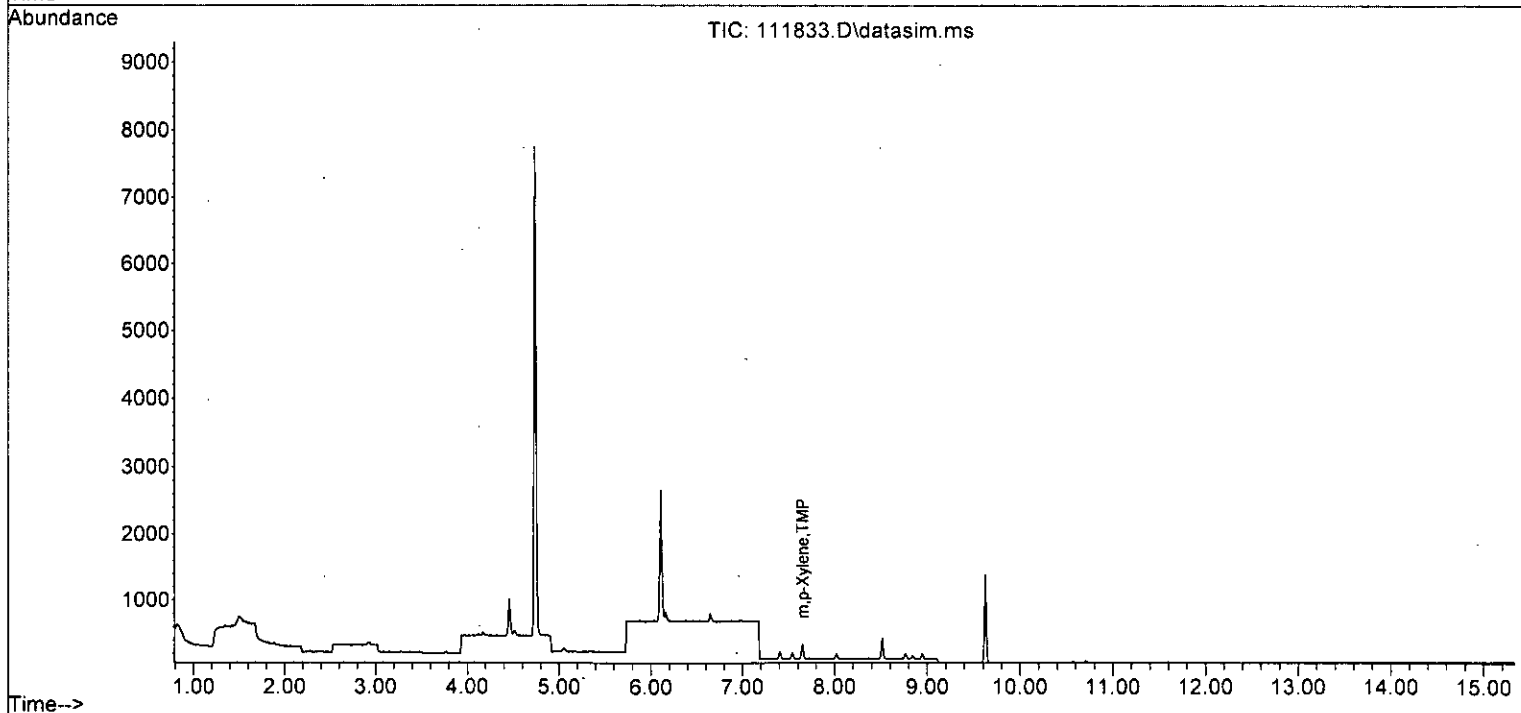
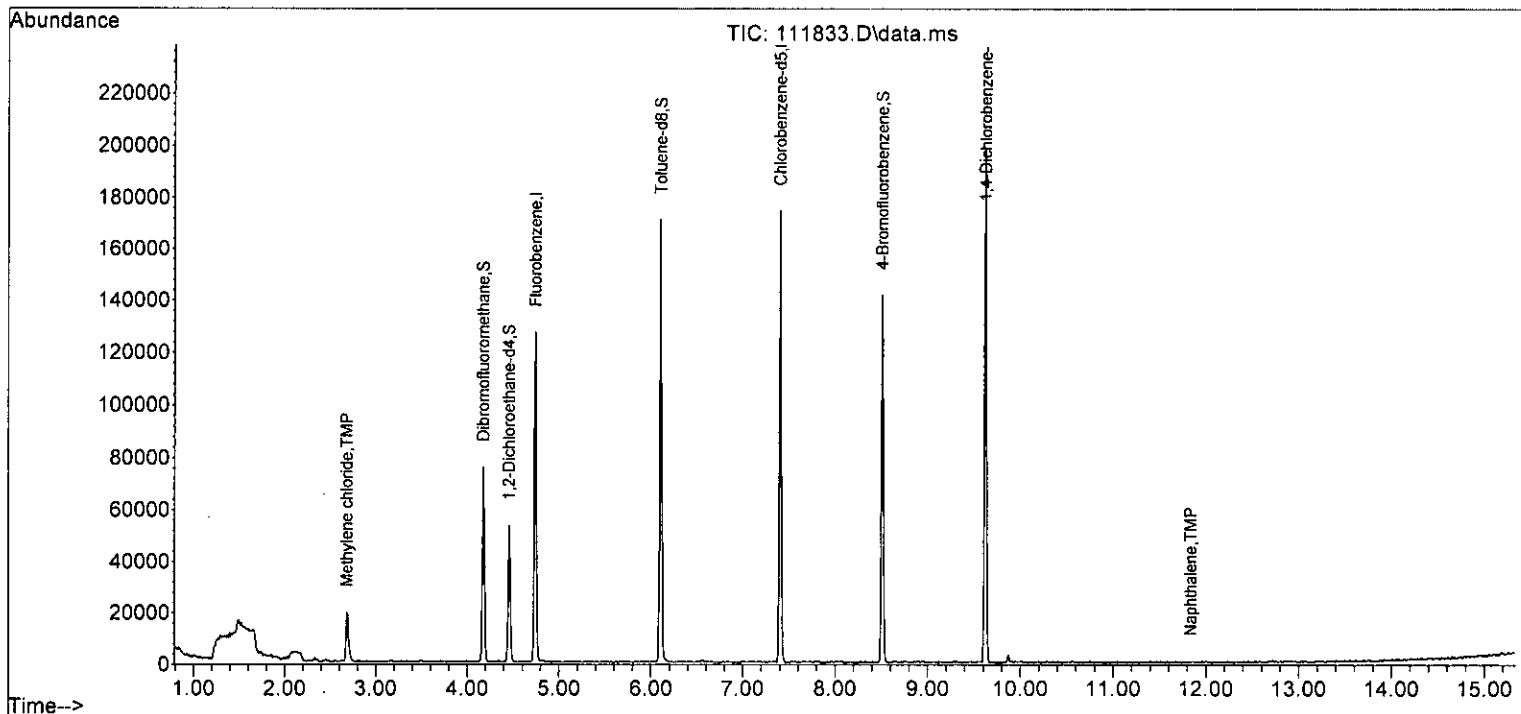
Quant Time: Nov 21 10:33:51 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 Qlast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.00		0	N.D.		
38) cis-1,3-Dichloropropene	0.00		0	N.D.		
40] Toluene	6.16	92	65	Below Cal		96
41) trans-1,3-Dichloropropene	0.00		0	N.D.		
42] 1,1,2-Trichloroethane	6.53	83	20	Below Cal	#	41
43) 2-Hexanone	6.70	43	123	N.D.		
44) 1,3-Dichloropropane	0.00		0	N.D.		
45] Tetrachloroethene	6.65	164	49	Below Cal		97
46) Dibromochloromethane	0.00		0	N.D.		
47) 1,2-Dibromoethane (EDB)	0.00		0	N.D.		
48) Chlorobenzene	0.00		0	N.D.		
49) Ethylbenzene	7.54	91	101	N.D.		
50) 1,1,1,2-Tetrachloroethane	0.00		0	N.D.		
51] m,p-Xylene	7.65	106	105	0.019 ppb	#	80
52) o-Xylene	8.02	106	40	N.D.		
53) Styrene	8.03	104	143	N.D.		
54) Isopropylbenzene	0.00		0	N.D.		
55) Bromoform	0.00		0	N.D.		
58) n-Propylbenzene	8.77	91	107	N.D.		
59) Bromobenzene	0.00		0	N.D.		
60) 1,3,5-Trimethylbenzene	8.94	105	40	N.D.		
61) 1,1,2,2-Tetrachloroethane	0.00		0	N.D.		
62) 1,2,3-Trichloropropane	0.00		0	N.D.	d	
63) 2-Chlorotoluene	8.84	91	26	N.D.		
64) 4-Chlorotoluene	8.94	91	97	N.D.		
65) tert-Butylbenzene	0.00		0	N.D.		
66) 1,2,4-Trimethylbenzene	9.29	105	136	N.D.		
67) sec-Butylbenzene	9.47	105	81	N.D.		
68) p-Isopropyltoluene	9.61	119	114	N.D.		
69) 1,3-Dichlorobenzene	9.64	146	156	N.D.		
70) 1,4-Dichlorobenzene	9.64	146	156	N.D.		
71) 1,2-Dichlorobenzene	10.01	146	23	N.D.		
72) 1,2-Dibromo-3-chloropr...	0.00		0	N.D.		
73) 1,2,4-Trichlorobenzene	0.00		0	N.D.		
74) Hexachlorobutadiene	0.00		0	N.D.		
75) Naphthalene	11.83	128	172	0.096 ppb		69
76) 1,2,3-Trichlorobenzene	0.00		0	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS13\11-18-22\
Data File : 111833.D
Acq On : 18 Nov 2022 08:28 pm
Operator : LM
Sample : 211237-06
Misc : water
ALS Vial : 26 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Nov 21 10:33:51 2022
Quant Method : Y:\Methods\Inst13\VB110522ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Mon Nov 07 15:16:10 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M



F&B Project 211213

Chain of Custody, Shipping & Receiving Documents, Sample Condition Checklist

SAMPLE CHAIN OF CUSTODY

11/16/22

M1/VS-C2

211239
 Report to: Jennifer Marsala

SAMPLERS (signature)
 11/16/22

PROJECT NAME
 Carson Cleaners R1

PO #
 212280-01.10

Company: Anchor - A17A
 Address: 1201 3rd Ave #2660
 City, State, ZIP: Seattle, WA 98101
 Phone: 206-287-9130 Email: labdata@anch.com

REMARKS
 See APP, swof hold
 Project specific RLS? - Yes / No

INVOICE TO
 labdata@anch.com
 anchorage.com

TURNAROUND TIME
 Standard turnaround
 RUSH
 Rush charges authorized by:
 SAMPLE DISPOSAL
 Archive samples
 Other
 Default: Dispose after 30 days

ANALYSES REQUESTED

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082	Notes
CC-MW-2D-SO-7-20221115	01A-E	11/15/22	1335	SO	5					X			X Total Solids
CC-MW-2D-SO-15-20221115	02		1340										
CC-MW-FD1-SO-7-20221115	03		1335										
CC-MW-2D-SO-18-20221115	04		1415										
CC-MW-2D-SO-20-20221115	05		1420										
CC-MW-FD2-SO-20-20221115	06		1420										
CC-MW-2D-SO-27-20221115	07		1430										
CC-MW-2D-SO-33-20221115	08		1440										
CC-MW-2D-SO-39-20221115	09		1450										
CC-MW-2D-SO-41-20221115	10		1510										

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Reinquired by: [Signature]	NINA MASS	Anchor O&A	11/16/22	1220
Received by: [Signature]	AMUWB	F&B	11/16/22	1220
Reinquired by:				
Received by:		Samples received at	3	°C

Friedman & Bruya, Inc.
 Ph. (206) 285-8282

(2)

SAMPLE CONDITION UPON RECEIPT CHECKLIST

PROJECT # 211239 CLIENT Anchor INITIALS/DATE: AUPB/1/14

If custody seals are present on cooler, are they intact? NA YES NO

Cooler/Sample temperature 3 °C

Were samples received on ice/cold packs? YES NO

How did samples arrive? Over the Counter
 Picked up by F&BI
 FedEx/UPS/GSO

Number of days samples have been sitting prior to receipt at laboratory 1 days

Is there a Chain-of-Custody* (COC)? YES NO
*or other representative documents, letters, and/or shipping memos

Are the samples clearly identified? (explain "no" answer below) YES NO

Is the following information provided on the COC* ? (explain "no" answer below)

Sample ID's	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	# of Containers	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Date Sampled	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Relinquished	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Time Sampled	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Requested analysis	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No

Were all sample containers received intact (i.e. not broken, leaking etc.)? (explain "no" answer below) YES NO

Were appropriate sample containers used? YES NO Unknown

If custody seals are present on samples, are they intact? NA YES NO

Are samples requiring no headspace, headspace free? NA YES NO

Air Samples: Were any additional canisters received? NA YES NO

If Yes, number of unused 1L canisters _____
 number of unused 6L canisters _____

Explain "no" items from above (use the back if needed)

Percent Solids

Sample ID	Wet Weight	Dry Weight + Pan	Pan Weight	Solids	Solids Ratio	Moisture	% Moisture	Last Weighing
211239-01	10	10.7	1.3	0.94	1.06	0.06	6	11/21/2022
211239-02	10	10.2	1.3	0.89	1.12	0.11	11	11/21/2022
211239-03	10	10.8	1.3	0.95	1.05	0.05	5	11/21/2022
211239-04	10	10	1.3	0.87	1.15	0.13	13	11/21/2022
211239-05	10	10.1	1.3	0.88	1.14	0.12	12	11/21/2022
211239-06	10	10.2	1.3	0.89	1.12	0.11	11	11/21/2022
211239-07	10	10	1.3	0.87	1.15	0.13	13	11/21/2022
211239-08	10	10	1.3	0.87	1.15	0.13	13	11/21/2022
211239-09	10	10.2	1.3	0.89	1.12	0.11	11	11/21/2022
211239-10	10	10.5	1.3	0.92	1.09	0.08	8	11/21/2022

Laboratory Worksheets

VOC EXTRACTION WORKSHEET (SOIL)

HT _____

Project #: 211239
 Client: Anchor
 QC Batch ID: 02-2753
 Samples checked against COC ILM

Date Received: 11/16
 Date Extracted: NOV 18 '22 PM 12:44
 Date Analyzed: _____
 GCMS 4 11 13, Seq. Date _____

Analysis Method: <input checked="" type="checkbox"/> 8260 <input type="checkbox"/> 8260 SIM <input type="checkbox"/> 8260 Direct Sparge <input type="checkbox"/> Other _____ Due Date: <u>11/24</u>	Requested Analytes: <input checked="" type="checkbox"/> 8260 Normal List <input checked="" type="checkbox"/> PCE+Daughters <input type="checkbox"/> RBDM VOCs <input type="checkbox"/> BTEX N <input type="checkbox"/> cVOCs <input type="checkbox"/> BTEX <input type="checkbox"/> MTBE <input checked="" type="checkbox"/> Other	Reporting Units: <input checked="" type="checkbox"/> mg/kg (ppm) <input type="checkbox"/> Other _____ <input type="checkbox"/> ve's not Acceptable <input type="checkbox"/> Dilutions Not Acceptable for Non-Detects <input type="checkbox"/> Need EDF	Extraction Method: <input checked="" type="checkbox"/> 5035 <input type="checkbox"/> Other _____
---	---	--	---

4X

Sample ID	Total Container Weight	Container Tare Weight	Sample Weight	Extraction Solvent Volume	Dilutions		Dilution Factor	Observations
					Amt. Extract	Amt. Solvent		
01 C	35.98	29.40	6.58	2.5mL	860 µl	43 mL		RI = 0.005
02	35.49	29.52	5.97	}	}	}		mg/kg
03	36.04	29.50	6.54				#col noc	
04	37.95	29.26	8.69					
05	36.58	29.65	6.93					
06	37.97	29.60	8.37					
07	36.60	29.41	7.19					
08	38.38	29.25	9.13					
09	37.58	29.31	8.27					
10	36.32	29.49	6.83					
"11/18/22 ILM								ef 11/17

Initials _____

	✓	Volume	Conc. (ppm)	Compound(s)	Lot #	Initials	Date
Solvent	X	NA	NA	Methanol	225-36	ILM	"11/18/22
Other							
Internal Standard(s)/ Surrogate(s)		100 µl	250	Surrogate mix			
	X	10 ppm Surr/IS Mix spiked at instr. to yield 10 ppb			67-148A		
		50 ppm Surr/IS Mix spiked at instr. to yield 10 ppb					

Project Leader Initials: ILM

Calculated by ILM 11.28.22 Reviewed by "11/29/22 ILM

BATCH ORGANIC EXTRACTION WORKSHEET

Date Extracted: 11/18/22 12:29

Technician: DM

QA Batch: **02-2753**

NOV 18 '22 PM 12:29

Matrix <input checked="" type="checkbox"/> Soil <input type="checkbox"/> Water <input type="checkbox"/> Product <input type="checkbox"/> Wipe <input type="checkbox"/> Other	Solvent <input type="checkbox"/> Methylene Chloride <input type="checkbox"/> Acetone <input checked="" type="checkbox"/> Methanol <input type="checkbox"/> Hexane <input type="checkbox"/> Other	Solvent Lot # <u>729-36</u>	Analysis <input type="checkbox"/> Diesel <input type="checkbox"/> Gas/BTEX <input type="checkbox"/> HCID	<input type="checkbox"/> 8270 SIM <input type="checkbox"/> 8270 <input checked="" type="checkbox"/> 8260	<input type="checkbox"/> PCB <input type="checkbox"/> Organic Lead <input type="checkbox"/> Methamphetamine <input type="checkbox"/> Other
--	--	---------------------------------------	--	--	---

Clean Up: FlorsiL (FL) Copper (Cu)
 Silica Filtration H₂SO₄ Other

Sample ID	pH Waters only	Sample Weight/Volume	Extraction Solvent Volume	Final Volume	Dilutions		Clean Up (Circle)			Observations
					Amt. Extract	Amt. Solvent	Silica	FL Filter	Cu H ₂ SO ₄	
MS		5g	2.5mL		215µL	43mL				
LC5										
211237 -01 MS										
L MS										
MS 10.25					80µL					
11/18/22 DM										

Initials

Samples in Batch

211239	-01		-05	L	-09		-03	L	-08
	-02		-06	L	-10		-04		
	-03		-07	211237	-01		-05		
	-04		-08		-02		-07		

Matrix Spikes: 100 µL of 50 ppm of 8260 CW/LC5 Analytes and Solvent Lot # 67-192A Date/Initials 11/18/22 DM

Matrix Spikes: _____ µL of _____ ppm of _____ Analytes and Solvent Lot # _____

Surrogates: 1 µL of 50 ppm of 8260 IS/SURR Analytes and Solvent Lot # 67-29A

Internal Standards: _____ µL of _____ ppm of _____ Analytes and Solvent Lot # _____

Notes:

EPA 8260D
MDLs

Reported MDL Data and Calculations

Analyst fill in all below (attach extraction worksheet(s))

Analysis: 8260
 Matrix: Soil
 Instrument ID: GCMS #4
 Reporting Units: mg/kg

Standard(s) spiked: 63-150A, 64-93A, 65-52A, 65-56A, 65-90A
 Volume spiked: 2.5uL into 2.5mL MeOH, 25uL into 2.475mL MeOH
 Date(s) Extracted: 06/04/21, 06/08/21, 08/30/21, 08/31/21, 12/06/22, 12/09/21,
 Date(s) Analyzed: 06/04/21, 06/08/21, 08/30/21, 08/31/21, 12/06/22, 12/09/21,
 Date Calculated: 6/9/2021, 09/24/21, 12/07/21, 12/10/21, 01/13/22, 03/30/21,
 Calculation Analyst: JCM, WE, AS, AEN, RF

Analyte	(StdDev*2.998)	(2*MDL)	(5*MDL)	Std Dev	Mean	Spike Level	% Rec.
	MDL	PQL	PQL				
Ethanol							
Dichlorodifluoromethane	0.105	0.210	0.526	0.035	0.144	0.250	57.575
Chloromethane	0.065	0.130	0.326	0.022	0.196	0.250	78.235
Vinyl chloride	0.017	0.034	0.086	0.006	0.018	0.025	71.950
Bromomethane	0.301	0.602	1.506	0.100	0.259	0.250	103.715
Chloroethane	0.074	0.149	0.372	0.025	0.246	0.250	98.465
Trichlorofluoromethane	0.024	0.048	0.120	0.008	0.026	0.025	105.029
2-Propanol							
Acetone	1.254	2.507	6.268	0.418	1.058	1.250	84.653
1,1-Dichloroethene	0.019	0.038	0.096	0.006	0.023	0.025	91.650
Hexane	0.126	0.251	0.628	0.042	0.260	0.250	103.885
Methylene chloride	0.338	0.676	1.690	0.113	0.326	0.250	130.305
t-Butyl alcohol (TBA)	0.492	0.984	2.460	0.164	1.316	1.250	105.265
Methyl t-butyl ether (MTBE)	0.018	0.036	0.089	0.006	0.023	0.025	91.050
trans-1,2-Dichloroethene	0.010	0.020	0.049	0.003	0.025	0.025	99.400
Diisopropyl ether (DIPE)	0.007	0.014	0.035	0.002	0.025	0.025	100.450
1,1-Dichloroethane	0.011	0.021	0.053	0.004	0.025	0.025	99.350
Ethyl t-butyl ether (ETBE)	0.010	0.020	0.049	0.003	0.024	0.025	97.257
2,2-Dichloropropane	0.015	0.029	0.074	0.005	0.028	0.025	112.200
cis-1,2-Dichloroethene	0.011	0.022	0.056	0.004	0.026	0.025	103.300
Chloroform	0.013	0.026	0.065	0.004	0.027	0.025	106.500
2-Butanone (MEK)	0.647	1.295	3.237	0.216	1.101	1.250	88.093
t-Amyl methyl ether (TAME)	0.010	0.019	0.048	0.003	0.025	0.025	101.371
1,2-Dichloroethane (EDC)	0.014	0.029	0.072	0.005	0.027	0.025	107.900
1,1,1-Trichloroethane	0.011	0.021	0.053	0.004	0.026	0.025	102.600
1,1-Dichloropropene	0.011	0.022	0.054	0.004	0.025	0.025	98.050
Carbon tetrachloride	0.005	0.010	0.025	0.002	0.023	0.025	92.286
Benzene	0.009	0.019	0.046	0.003	0.027	0.025	106.950
Trichloroethene	0.013	0.025	0.063	0.004	0.025	0.025	100.200
1,2-Dichloropropane	0.008	0.015	0.038	0.003	0.026	0.025	103.900
Bromodichloromethane	0.008	0.015	0.038	0.003	0.026	0.025	103.500
Dibromomethane	0.013	0.025	0.063	0.004	0.023	0.025	93.350
4-Methyl-2-pentanone	0.061	0.121	0.303	0.020	0.135	0.125	108.217
cis-1,3-Dichloropropene	0.008	0.017	0.042	0.003	0.025	0.025	99.900
Toluene	0.009	0.019	0.046	0.003	0.025	0.025	101.500
trans-1,3-Dichloropropene	0.010	0.021	0.052	0.003	0.025	0.025	101.886
1,1,2-Trichloroethane	0.005	0.009	0.023	0.002	0.025	0.025	98.900
2-Hexanone	0.036	0.072	0.180	0.012	0.127	0.125	101.954
1,3-Dichloropropane	0.009	0.019	0.047	0.003	0.025	0.025	101.350
Tetrachloroethene	0.010	0.020	0.050	0.003	0.027	0.025	106.400
Dibromochloromethane	0.014	0.027	0.068	0.005	0.021	0.025	85.943
1,2-Dibromoethane (EDB)	0.008	0.016	0.040	0.003	0.024	0.025	97.800
Chlorobenzene	0.007	0.015	0.037	0.002	0.026	0.025	104.100
Ethylbenzene	0.010	0.020	0.049	0.003	0.026	0.025	105.050
1,1,1,2-Tetrachloroethane	0.007	0.015	0.037	0.002	0.024	0.025	96.629
m,p-Xylene	0.019	0.039	0.097	0.006	0.053	0.050	106.857
o-Xylene	0.011	0.022	0.056	0.004	0.025	0.025	101.100
Styrene	0.010	0.020	0.049	0.003	0.025	0.025	100.000
Isopropylbenzene	0.009	0.018	0.044	0.003	0.026	0.025	103.150
Bromoform	0.015	0.031	0.077	0.005	0.024	0.025	97.886
n-Propylbenzene	0.013	0.026	0.066	0.004	0.026	0.025	104.200
Bromobenzene	0.012	0.025	0.062	0.004	0.025	0.025	101.100
1,3,5-Trimethylbenzene	0.011	0.022	0.055	0.004	0.026	0.025	102.700
1,1,1,2-Tetrachloroethane	0.011	0.023	0.057	0.004	0.026	0.025	104.100
1,2,3-Trichloropropane	0.009	0.019	0.046	0.003	0.025	0.025	99.350
2-Chlorotoluene	0.012	0.024	0.060	0.004	0.026	0.025	102.600
4-Chlorotoluene	0.011	0.021	0.053	0.004	0.026	0.025	104.650
tert-Butylbenzene	0.013	0.026	0.064	0.004	0.025	0.025	101.750
1,2,4-Trimethylbenzene	0.010	0.020	0.051	0.003	0.026	0.025	105.050
sec-Butylbenzene	0.010	0.020	0.049	0.003	0.026	0.025	104.800
p-Isopropyltoluene	0.011	0.023	0.056	0.004	0.027	0.025	106.250
1,3-Dichlorobenzene	0.012	0.023	0.058	0.004	0.026	0.025	104.400
1,4-Dichlorobenzene	0.012	0.023	0.058	0.004	0.027	0.025	107.900
1,2-Dichlorobenzene	0.012	0.025	0.062	0.004	0.026	0.025	102.850
1,2-Dibromo-3-chloropropane	0.016	0.033	0.082	0.005	0.020	0.025	81.680
1,2,4-Trichlorobenzene	0.013	0.027	0.067	0.004	0.026	0.025	105.429
Hexachlorobutadiene	0.016	0.031	0.078	0.005	0.028	0.025	112.686
Naphthalene	0.014	0.027	0.068	0.005	0.025	0.025	101.100
1,2,3-Trichlorobenzene	0.012	0.024	0.061	0.004	0.026	0.025	105.200

Reported MDL Data and Calculations

Analyst fill in all below (attach extraction worksheet(s))

Analysis: 8260 Standard(s) spiked: 63-150A, 63-166A, 65-52A, 65-56A
 Matrix: Soil Volume spiked: 1/2.5/25 uL into 5g sand and 2.5/2.5/2.475 mL MeOH
 Instrument ID: GCMS #13 Date(s) Extracted: 05/27/21, 05/28/21, 06/07/21, 06/08/21, 12/02/21, 12
 Reporting Units: mg/kg Date(s) Analyzed: 05/27/21, 05/28/21, 06/07/21, 06/08/21, 12/02/21, 12
 Date Calculated: 06/01/21, 06/09/21, 12/07/21, 12/10/21, 12/13/21
 Calculation Analyst: JCM, WE, AEN, AS

Analyte	(StdDev*2.998)	(2*MDL)	(5*MDL)	Std Dev	Mean	Spike Level	% Rec.
	MDL	PQL	PQL				
Ethanol							
Dichlorodifluoromethane	0.0104	0.021	0.052	0.003	0.014	0.025	55
Chloromethane	0.0193	0.039	0.096	0.006	0.020	0.025	79
Vinyl chloride	0.0019	0.004	0.009	0.001	0.004	0.005	86
Bromomethane	0.1564	0.313	0.782	0.052	0.247	0.250	99
Chloroethane	0.0193	0.039	0.096	0.006	0.025	0.025	101
Trichlorofluoromethane	0.0109	0.022	0.054	0.004	0.023	0.025	92
2-Propanol							
Acetone	0.8998	1.800	4.499	0.300	1.490	1.250	119
1,1-Dichloroethene	0.0013	0.003	0.007	0.000	0.005	0.005	96
Hexane	0.0243	0.049	0.122	0.008	0.020	0.025	80
Methylene chloride	0.2104	0.421	1.052	0.070	0.283	0.250	113
t-Butyl alcohol (TBA)	0.7124	1.425	3.562	0.238	1.355	1.250	108
Methyl t-butyl ether (MTBE)	0.0033	0.007	0.016	0.001	0.005	0.005	107
trans-1,2-Dichloroethene	0.0020	0.004	0.010	0.001	0.005	0.005	109
Diisopropyl ether (DIPE)	0.0033	0.007	0.017	0.001	0.011	0.010	110
1,1-Dichloroethane	0.0015	0.003	0.007	0.000	0.005	0.005	104
Ethyl t-butyl ether (ETBE)	0.0045	0.009	0.023	0.002	0.010	0.010	102
2,2-Dichloropropane	0.0091	0.018	0.045	0.003	0.011	0.010	112
cis-1,2-Dichloroethene	0.0015	0.003	0.007	0.000	0.005	0.005	107
Chloroform	0.0047	0.009	0.023	0.002	0.011	0.010	113
2-Butanone (MEK)	0.5683	1.137	2.842	0.190	1.343	1.250	107
t-Amyl methyl ether (TAME)	0.0045	0.009	0.022	0.001	0.011	0.010	108
1,2-Dichloroethane (EDC)	0.0028	0.006	0.014	0.001	0.011	0.010	111
1,1,1-Trichloroethane	0.0012	0.002	0.006	0.000	0.005	0.005	103
1,1-Dichloropropene	0.0138	0.028	0.069	0.005	0.025	0.025	99
Carbon tetrachloride	0.0054	0.011	0.027	0.002	0.009	0.010	92
Benzene	0.0013	0.003	0.006	0.000	0.005	0.005	102
Trichloroethene	0.0020	0.004	0.010	0.001	0.011	0.010	106
1,2-Dichloropropane	0.0182	0.036	0.091	0.006	0.010	0.010	102
Bromodichloromethane	0.0038	0.008	0.019	0.001	0.010	0.010	97
Dibromomethane	0.0050	0.010	0.025	0.002	0.013	0.010	125
4-Methyl-2-pentanone	0.5539	1.108	2.770	0.185	1.221	1.250	98
cis-1,3-Dichloropropene	0.0143	0.029	0.071	0.005	0.025	0.025	101
Toluene	0.0013	0.003	0.007	0.000	0.006	0.005	115
trans-1,3-Dichloropropene	0.0180	0.036	0.090	0.006	0.026	0.025	105
1,1,2-Trichloroethane	0.0015	0.003	0.007	0.000	0.005	0.005	104
2-Hexanone	0.1101	0.220	0.550	0.037	0.145	0.125	116
1,3-Dichloropropane	0.0127	0.025	0.064	0.004	0.026	0.025	103
Tetrachloroethene	0.0022	0.004	0.011	0.001	0.006	0.005	119
Dibromochloromethane	0.0146	0.029	0.073	0.005	0.024	0.025	97
1,2-Dibromoethane (EDB)	0.0017	0.003	0.009	0.001	0.010	0.010	103
Chlorobenzene	0.0028	0.006	0.014	0.001	0.011	0.010	114
Ethylbenzene	0.0010	0.002	0.005	0.000	0.005	0.005	106
1,1,1,2-Tetrachloroethane	0.0035	0.007	0.017	0.001	0.010	0.010	101
m,p-Xylene	0.0020	0.004	0.010	0.001	0.010	0.010	104
o-Xylene	0.0007	0.001	0.004	0.000	0.005	0.005	100
Styrene	0.0099	0.020	0.049	0.003	0.023	0.025	91
Isopropylbenzene	0.0104	0.021	0.052	0.003	0.024	0.025	96
Bromoform	0.0151	0.030	0.075	0.005	0.023	0.025	91
n-Propylbenzene	0.0024	0.005	0.012	0.001	0.011	0.010	112
Bromobenzene	0.0118	0.024	0.059	0.004	0.025	0.025	101
1,3,5-Trimethylbenzene	0.0034	0.007	0.017	0.001	0.011	0.010	108
1,1,1,2-Tetrachloroethane	0.0122	0.024	0.061	0.004	0.026	0.025	105
1,2,3-Trichloropropane	0.0188	0.038	0.094	0.006	0.029	0.025	115
2-Chlorotoluene	0.0020	0.004	0.010	0.001	0.011	0.010	112
4-Chlorotoluene	0.0034	0.007	0.017	0.001	0.012	0.010	120
tert-Butylbenzene	0.0029	0.006	0.014	0.001	0.010	0.010	104
1,2,4-Trimethylbenzene	0.0021	0.004	0.010	0.001	0.011	0.010	114
sec-Butylbenzene	0.0029	0.006	0.014	0.001	0.011	0.010	107
p-Isopropyltoluene	0.0027	0.005	0.013	0.001	0.011	0.010	107
1,3-Dichlorobenzene	0.0048	0.010	0.024	0.002	0.012	0.010	116
1,4-Dichlorobenzene	0.0035	0.007	0.018	0.001	0.013	0.010	127
1,2-Dichlorobenzene	0.0032	0.006	0.016	0.001	0.011	0.010	114
1,2-Dibromo-3-chloropropane	0.1257	0.251	0.629	0.042	0.255	0.250	102
1,2,4-Trichlorobenzene	0.0035	0.007	0.017	0.001	0.013	0.010	132
Hexachlorobutadiene	0.0046	0.009	0.023	0.002	0.012	0.010	123
Naphthalene	0.0070	0.014	0.035	0.002	0.013	0.010	126
1,2,3-Trichlorobenzene	0.0132	0.026	0.066	0.004	0.026	0.025	103

EPA 8260D
Sequence Tables

Sequence Name: C:\GCMS4\Sequences\11-08-22.s

Comment:

Operator: LM

Data Path: D:\GCMS4\GCMS4_DATA\11-08-22\

Instrument Control Pre-Seq Cmd:

Data Analysis Pre-Seq Cmd:

Instrument Control Post-Seq Cmd:

Data Analysis Post-Seq Cmd:

Method Sections To Run

Full Method

Reprocessing Only

Sequence Barcode Options

On Mismatch, Inject Anyway

On Mismatch, Don't Inject

Barcode Disabled

11/9

Line	Sample Name/Misc Info
1) Sample	1 110801 8260VM1 50 ng BFB 67-152a
2) Sample	2 110802 8260VM1 rinse
3) Sample	3 110803 8260VM1 0.2 ppb 8260 ICAL 67-177I
4) Sample	4 110804 8260VM1 0.5 ppb 8260 ICAL 67-177J
5) Sample	5 110805 8260VM1 1 ppb 8260 ICAL 67-177K
6) Sample	100 110806 8260VM1 50 ng BFB 67-152A
7) Sample	5 110807 8260VM1 rinse
8) Sample	6 110808 8260VM1 0.2 ppb 8260 ICAL 67-177I
9) Sample	7 110809 8260VM1 0.5 ppb 8260 ICAL 67-177J
10) Sample	8 110810 8260VM1 1 ppb 8260 ICAL 67-177K
11) Sample	9 110811 8260VM1 2 ppb 8260 ICAL 67-177L
12) Sample	10 110812 8260VM1 5 ppb 8260 ICAL 67-177M
13) Sample	11 110813 8260VM1 10 ppb 8260 ICAL 67-177N
14) Sample	12 110814 8260VM1 20 ppb 8260 ICAL 67-177O
15) Sample	13 110815 8260VM1 50 ppb 8260 ICAL 67-177Q
16) Sample	14 110816 8260VM1 100 ppb 8260 ICAL 67-177S
17) Sample	15 110817 8260VM1 150 ppb 8260 ICAL 67-177T
18) Sample	16 110818 8260VM1 200 ppb 8260 ICAL 67-177U
19) Sample	17 110819 8260VM1 rinse vial
20) Sample	18 110820 8260VM1 10 ppb 8260 SCV 67-155c
21) Sample	19 110821 8260VM1 rinse

Injection Log

Data Directory: S:\Proc_GCMS4\11-08-22\

SampleName	MiscInfo	Vial	Multiplier	Injection Time
1) 110801.D 50 ng BFB 67-152a	soil 8260VM1.M	1	1.000	8 Nov 2022 7:10 am
2) 110802.D rinse	soil 8260VM1.M	2	1.000	8 Nov 2022 8:21 am
3) 110803.D 0.2 ppb 8260 ICAL ..	soil 8260VM1.M	3	1.000	8 Nov 2022 8:45 am
4) 110804.D 0.5 ppb 8260 ICAL ..	soil 8260VM1.M	4	1.000	8 Nov 2022 9:09 am
5) 110806.D 50 ng BFB 67-152A	direct inject 8260VM1.M	100	1.000	8 Nov 2022 11:14 am
6) 110807.D rinse	8260VM1.M	5	1.000	8 Nov 2022 11:40 am
7) 110808.D 0.2 ppb 8260 ICAL ..	soil/water 8260VM1.M	6	1.000	8 Nov 2022 12:05 pm
8) 110809.D 0.5 ppb 8260 ICAL ..	soil/water 8260VM1.M	7	1.000	8 Nov 2022 12:29 pm
9) 110810.D 1 ppb 8260 ICAL 67..	soil/water 8260VM1.M	8	1.000	8 Nov 2022 12:53 pm
10) 110811.D 2 ppb 8260 ICAL 67..	soil/water 8260VM1.M	9	1.000	8 Nov 2022 1:17 pm
11) 110812.D 5 ppb 8260 ICAL 67..	soil/water 8260VM1.M	10	1.000	8 Nov 2022 1:42 pm
12) 110813.D 10 ppb 8260 ICAL 6..	soil/water 8260VM1.M	11	1.000	8 Nov 2022 2:06 pm
13) 110814.D 20 ppb 8260 ICAL 6..	soil/water 8260VM1.M	12	1.000	8 Nov 2022 2:30 pm
14) 110815.D 50 ppb 8260 ICAL 6..	soil/water 8260VM1.M	13	1.000	8 Nov 2022 2:55 pm
15) 110816.D 100 ppb 8260 ICAL ..	soil/water 8260VM1.M	14	1.000	8 Nov 2022 3:19 pm
16) 110817.D 150 ppb 8260 ICAL ..	soil/water 8260VM1.M	15	1.000	8 Nov 2022 3:43 pm
17) 110818.D 200 ppb 8260 ICAL ..	soil/water 8260VM1.M	16	1.000	8 Nov 2022 4:07 pm
18) 110819.D rinse vial	soil/water 8260VM1.M	17	1.000	8 Nov 2022 4:31 pm
19) 110820.D 10 ppb 8260 SCV 67..	soil/water 8260VM1.M	18	1.000	8 Nov 2022 4:55 pm
20) 110821.D rinse	soil/water 8260VM1.M	19	1.000	8 Nov 2022 5:20 pm

Sequence Name: C:\GCMS4\Sequences\11-23-22.s

Comment:

Operator: lm

Data Path: D:\GCMS4\GCMS4_DATA\11-23-22\

Instrument Control Pre-Seq Cmd:

Data Analysis Pre-Seq Cmd:

Instrument Control Post-Seq Cmd:

Data Analysis Post-Seq Cmd:

Method Sections To Run

(X) Full Method

() Reprocessing Only

Sequence Barcode Options

(X) On Mismatch, Inject Anyway

() On Mismatch, Don't Inject

() Barcode Disabled

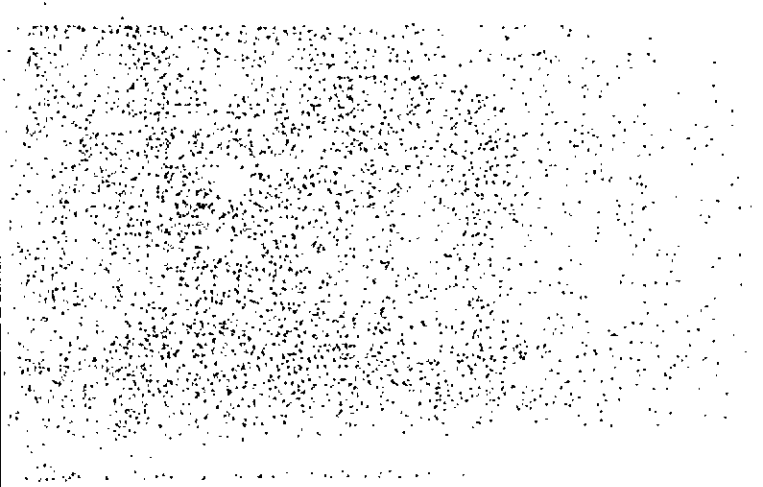
B 11/24

Line	Sample Name/Misc Info
1)	Sample 1 112301 8260VM1 rinse
2)	Sample 2 112302 8260VM1 10 ppb 8260 CCV 67-150N
3)	Sample 3 112303 8260VM1 02-2818 lcs
4)	Sample 4 112304 8260VM1 rinse
5)	Sample 5 112305 8260VM1 02-2818 mb
6)	Sample 6 112306 8260VM1 211339-03
7)	Sample 7 112307 8260VM1 211341-02
8)	Sample 8 112308 8260VM1 10 ppb 8260 CCV 68-4N
9)	Sample 9 112309 8260VM1 rinse
10)	Sample 10 112310 8260VM1 211237-01
11)	Sample 11 112311 8260VM1 211335-01
12)	Sample 12 112312 8260VM1 211335-02
13)	Sample 13 112313 8260VM1 211335-03
14)	Sample 14 112314 8260VM1 211335-04
15)	Sample 15 112315 8260VM1 211335-05
16)	Sample 16 112316 8260VM1 211335-06
17)	Sample 17 112317 8260VM1 211300-01
18)	Sample 18 112318 8260VM1 211300-04
19)	Sample 19 112319 8260VM1 211300-06
20)	Sample 20 112320 8260VM1 211341-02 ms
21)	Sample 21 112321 8260VM1 211341-02 msd

Injection Log

Data Directory: Y:\Proc_GCMS4\11-23-22\

SampleName	MiscInfo	Vial	Multiplier	Injection Time
1) 112301.D rinse	8260VM1.M	1	1.000	23 Nov 2022 5:10 am
2) 112302.D 10 ppb 8260 CCV 67..	soil/water 8260VM1.M	2	1.000	23 Nov 2022 5:34 am
3) 112303.D 02-2818 lcs	soil 8260VM1.M	3	1.000	23 Nov 2022 5:59 am
4) 112304.D rinse	soil 8260VM1.M	4	1.000	23 Nov 2022 6:23 am
5) 112305.D 02-2818 mb	soil 8260VM1.M	5	1.000	23 Nov 2022 6:47 am
6) 112306.D 211339-03	soil 8260VM1.M	6	1.000	23 Nov 2022 12:15 pm
7) 112307.D 211341-02	soil 8260VM1.M	7	1.000	23 Nov 2022 12:39 pm
8) 112308.D 10 ppb 8260 CCV 68..	soil/water 8260VM1.M	8	1.000	23 Nov 2022 4:15 pm
9) 112309.D rinse	soil/water 8260VM1.M	9	1.000	23 Nov 2022 5:37 pm
10) 112310.D 211237-01	soil 8260VM1.M	10	1.000	23 Nov 2022 6:01 pm
11) 112311.D 211335-01	soil 8260VM1.M	11	1.000	23 Nov 2022 6:26 pm
12) 112312.D 211335-02	soil 8260VM1.M	12	1.000	23 Nov 2022 6:50 pm
13) 112313.D 211335-03	soil 8260VM1.M	13	1.000	23 Nov 2022 7:14 pm
14) 112314.D 211335-04	soil 8260VM1.M	14	1.000	23 Nov 2022 7:39 pm
15) 112315.D 211335-05	soil 8260VM1.M	15	1.000	23 Nov 2022 8:03 pm
16) 112316.D 211335-06	soil 8260VM1.M	16	1.000	23 Nov 2022 8:28 pm
17) 112317.D 211300-01	soil 8260VM1.M	17	1.000	23 Nov 2022 8:52 pm
18) 112318.D 211300-04	soil 8260VM1.M	18	1.000	23 Nov 2022 9:16 pm
19) 112319.D 211300-06	soil 8260VM1.M	19	1.000	23 Nov 2022 9:40 pm
20) 112320.D 211341-02.ms	soil 8260VM1.M	20	1.000	23 Nov 2022 10:05 pm
21) 112321.D	8260VM1.M			



Comment:

Operator: VM

Data Path: D:\GCMS13\GCMS13_Data\11-05-22\

Instrument Control Pre-Seq Cmd:

Data Analysis Pre-Seq Cmd:

Instrument Control Post-Seq Cmd:

Data Analysis Post-Seq Cmd:

Method Sections To Run

Full Method

Reprocessing Only

Sequence Barcode Options

On Mismatch, Inject Anyway

On Mismatch, Don't Inject

Barcode Disabled

Line	Type	ALS	File	Method	Sample Name/Misc Info
1)	Sample	100	110501	VM080322	rinse
2)	Sample	100	110502	VM080322	rinse
3)	Sample	1	110503	VM080322	50 ng BFB 67-152A
4)	Sample	100	110504	VM080322	rinse
5)	Sample	100	110505	VM080322	rinse
6)	Sample	2	110506	VM080322	0.02 ppb 8260 ICAL 67-177F
7)	Sample	3	110507	VM080322	0.04 ppb 8260 ICAL 67-177G
8)	Sample	4	110508	VM080322	0.1 ppb 8260 ICAL 67-177H
9)	Sample	5	110509	VM080322	0.2 ppb 8260 ICAL 67-177I
10)	Sample	6	110510	VM080322	0.5 ppb 8260 ICAL 67-177J
11)	Sample	7	110511	VM080322	1 ppb 8260 ICAL 67-177K
12)	Sample	8	110512	VM080322	2 ppb 8260 ICAL 67-177L
13)	Sample	9	110513	VM080322	5 ppb 8260 ICAL 67-177M
14)	Sample	10	110514	VM080322	10 ppb 8260 ICAL 67-177N
15)	Sample	11	110515	VM080322	20 ppb 8260 ICAL 67-177O
16)	Sample	12	110516	VM080322	50 ppb 8260 ICAL 67-177Q
17)	Sample	13	110517	VM080322	100 ppb 8260 ICAL 67-177S
18)	Sample	14	110518	VM080322	150 ppb 8260 ICAL 67-177T
19)	Sample	15	110519	VM080322	200 ppb 8260 ICAL 67-177U
20)	Sample	16	110520	VM080322	rinse vial
21)	Sample	17	110521	VM080322	10 ppb 8260 SCV 67-148
22)	Sample	100	110522	VM080322	rinse
23)	Sample	18	110523	VM080322	02-2625 lcs
24)	Sample	19	110524	VM080322	02-2625 lcsd
25)	Sample	100	110525	VM080322	rinse
26)	Sample	20	110526	VM080322	02-2625 mb
27)	Sample	21	110527	VM080322	02-2625 mb 1/0.25
28)	Sample	22	110528	VM080322	210370-01
29)	Sample	23	110529	VM080322	210370-02
30)	Sample	24	110530	VM080325	210370-03
31)	Sample	25	110531	VM080326	210370-04
32)	Sample	26	110532	VM080327	210370-10
33)	Sample	27	110533	VM080328	210370-11
34)	Sample	28	110534	VM080329	210370-12
35)	Sample	29	110535	VM080330	210370-13
36)	Sample	30	110536	VM080331	210370-14
37)	Sample	31	110537	VM080331	210370-17
38)	Sample	100	110538	VM080322	rinse

Injection Log

Data Directory: D:\Proc_GCMS13\11-05-22\

SampleName	MiscInfo	Vial	Multiplier	Injection Time
1) 110501.D rinse	VM080322.M water	100	1.000	05 Nov 2022 08:26 am
2) 110502.D rinse	VM080322.M water	100	1.000	05 Nov 2022 08:48 am
3) 110503.D 50 ng BFB 67-152A	VM080322.M water	<i>100</i> 1	1.000	05 Nov 2022 10:22 am
4) 110504.D rinse	VM080322.M water	100	1.000	05 Nov 2022 10:40 am
5) 110505.D rinse	VM080322.M water	100	1.000	05 Nov 2022 11:11 am
6) 110506.D 0.02 ppb 8260 ICAL..	VM080322.M soil/water	2	1.000	05 Nov 2022 11:34 am
7) 110507.D 0.04 ppb 8260 ICAL..	VM080322.M soil/water	3	1.000	05 Nov 2022 11:57 am
8) 110508.D 0.1 ppb 8260 ICAL ..	VM080322.M soil/water	4	1.000	05 Nov 2022 12:20 pm
9) 110509.D 0.2 ppb 8260 ICAL..	VM080322.M soil/water	5	1.000	05 Nov 2022 12:44 pm
10) 110510.D 0.5 ppb 8260 ICAL ..	VM080322.M soil/water	6	1.000	05 Nov 2022 01:07 pm
11) 110511.D 1 ppb 8260 ICAL 67..	VM080322.M soil/water	<i>7</i> 7	1.000	05 Nov 2022 01:30 pm
12) 110512.D 2 ppb 8260 ICAL 67..	VM080322.M soil/water	<i>8</i> 8	1.000	05 Nov 2022 01:53 pm
13) 110513.D 5 ppb 8260 ICAL 67..	VM080322.M soil/water	9	1.000	05 Nov 2022 02:16 pm
14) 110514.D 10 ppb 8260 ICAL 6..	VM080322.M soil/water	10	1.000	05 Nov 2022 02:39 pm
15) 110515.D 20 ppb 8260 ICAL 6..	VM080322.M soil/water	11	1.000	05 Nov 2022 03:03 pm
16) 110516.D 50 ppb 8260 ICAL 6..	VM080322.M soil/water	12	1.000	05 Nov 2022 03:26 pm
17) 110517.D 100 ppb 8260 ICAL ..	VM080322.M soil/water	13	1.000	05 Nov 2022 03:49 pm
18) 110518.D 150 ppb 8260 ICAL ..	VM080322.M soil/water	<i>14</i> 14	1.000	05 Nov 2022 04:12 pm
19) 110519.D 200 ppb 8260 ICAL ..	VM080322.M soil/water	<i>15</i> 15	1.000	05 Nov 2022 04:35 pm
20) 110520.D rinse vial	VM080322.M soil/water	16	1.000	05 Nov 2022 04:58 pm
21) 110521.D	VM080322.M			

Comment:

Operator: LM

Data Path: D:\GCMS13\GCMS13_Data\11-07-22\

Instrument Control Pre-Seq Cmd:

Data Analysis Pre-Seq Cmd:

Instrument Control Post-Seq Cmd:

Data Analysis Post-Seq Cmd:

Method Sections To Run

(X) Full Method

() Reprocessing Only

Sequence Barcode Options

() On Mismatch, Inject Anyway

() On Mismatch, Don't Inject

(X) Barcode Disabled

m 11/8

Line	Type	ALS	File	Method	Sample Name/Misc Info
1)	Sample	100	110701	VM080322	Rinse
2)	Sample	1	110702	VM080322	10 ppb ccv 8260 67-177n
3)	Sample	2	110703	VM080322	02-2629 lcs
4)	Sample	3	110704	VM080322	02-2629 lcsd
5)	Sample	100	110705	VM080322	rinse
6)	Sample	4	110706	VM080322	10 ppb 8260 SCV 67-155
7)	Sample	100	110707	VM080322	rinse
8)	Sample	5	110708	VM080322	10 ppb ccv 8260 67-177n
9)	Sample	6	110709	VM080322	02-2625 lcs
10)	Sample	7	110710	VM080322	210364-03 ms
11)	Sample	8	110711	VM080322	210364-03 msd
12)	Sample	100	110712	VM080322	rinse
13)	Sample	9	110713	VM080322	02-2625 mb
14)	Sample	10	110714	VM080322	02-2625 mb 1/0.25
15)	Sample	11	110715	VM080322	210370-01 1/0.25
16)	Sample	12	110716	VM080322	210370-02 1/0.25
17)	Sample	13	110717	VM080322	210370-03 1/0.25
18)	Sample	14	110718	VM080322	210370-04 1/0.25
19)	Sample	15	110719	VM080322	210370-10 1/0.25
20)	Sample	16	110720	VM080322	210370-11 1/0.25
21)	Sample	17	110721	VM080322	210370-12 1/0.25
22)	Sample	18	110722	VM080322	210370-13 1/0.25
23)	Sample	19	110723	VM080322	210370-14 1/0.25
24)	Sample	20	110724	VM080322	210370-17 1/0.25
25)	Sample	21	110725	VM080322	210364-03 1/0.25
26)	Sample	22	110726	VM080322	210364-04 1/0.25
27)	Sample	23	110727	VM080322	210364-08 1/0.25
28)	Sample	24	110728	VM080322	210364-11 1/0.25
29)	Sample	25	110729	VM080322	210364-13 1/0.25
30)	Sample	26	110730	VM080322	210364-16 1/0.25
31)	Sample	27	110731	VM080322	210364-20 1/0.25
32)	Sample	28	110732	VM080322	210364-24 1/0.25
33)	Sample	29	110733	VM080322	210439-02 1/0.25
34)	Sample	30	110734	VM080322	210439-06 1/0.25
35)	Sample	31	110735	VM080322	210364-03
36)	Sample	100	110736	VM080322	rinse
37)	Sample	32	110737	VM080322	10 ppb ccv 8260 67-177n
38)	Sample	33	110738	VM080322	02-2629 lcs
39)	Sample	34	110739	VM080322	211091-01 ms
40)	Sample	35	110740	VM080322	211091-01 msd
41)	Sample	100	110741	VM080322	rinse

Sequence Name: D:\GCMS13\sequence\11-07-22.sequence.xml

Comment:

Operator: LM

Data Path: D:\GCMS13\GCMS13_Data\11-07-22\

Instrument Control Pre-Seq Cmd:

Data Analysis Pre-Seq Cmd:

Instrument Control Post-Seq Cmd:

Data Analysis Post-Seq Cmd:

Method Sections To Run

Full Method

Reprocessing Only

Sequence Barcode Options

On Mismatch, Inject Anyway

On Mismatch, Don't Inject

Barcode Disabled

42)	Sample	36	110742	VM080322	02-2629	mb
43)	Sample	37	110743	VM080322	02-2629	mb 1/0.25
44)	Sample	38	110744	VM080322	210409-01	1/0.25
45)	Sample	39	110745	VM080322	210409-02	1/0.25
46)	Sample	40	110746	VM080322	210409-04	1/0.25
47)	Sample	41	110747	VM080322	210409-10	1/0.25
48)	Sample	42	110748	VM080322	210409-11	1/0.25
49)	Sample	43	110749	VM080322	210409-13	1/0.25
50)	Sample	44	110750	VM080322	210409-15	1/0.25
51)	Sample	45	110751	VM080322	210409-18	1/0.25
52)	Sample	46	110752	VM080322	210409-21	1/0.25
53)	Sample	47	110753	VM080322	210409-22	1/0.25
54)	Sample	48	110754	VM080322	210409-23	1/0.25
55)	Sample	49	110755	VM080322	210409-25	1/0.25
56)	Sample	50	110756	VM080322	210409-29	1/0.25
57)	Sample	51	110757	VM080322	210409-32	1/0.25
58)	Sample	52	110758	VM080322	210409-33	1/0.25
59)	Sample	53	110759	VM080322	210409-34	1/0.25
60)	Sample	54	110760	VM080322	210409-36	1/0.25
61)	Sample	55	110761	VM080322	210409-41	1/0.25
62)	Sample	56	110762	VM080322	210409-42	1/0.25
63)	Sample	57	110763	VM080322	211091-01	
64)	Sample	100	110764	VM080322	rinse	

Injection Log

Data Directory: D:\Proc_GCMS13\11-07-22\

SampleName	MiscInfo	Vial	Multiplier	Injection Time
1) 110701.D Rinse	VM080322.M water	100	1.000	07 Nov 2022 07:21 am
2) 110702.D 10 ppb ccv 8260 67..	VM080322.M water/soil	1	1.000	07 Nov 2022 08:37 am
3) 110703.D 02-2629 lcs	VM080322.M water	2	1.000	07 Nov 2022 09:00 am
4) 110704.D 02-2629 lcsd	VM080322.M water	3	1.000	07 Nov 2022 09:23 am
5) 110705.D rinse	VM080322.M water	100	1.000	07 Nov 2022 09:46 am
6) 110706.D 10 ppb 8260 SCV 67..	VM080322.M soil/water	4	1.000	07 Nov 2022 10:34 am
7) 110707.D rinse	VM080322.M water	100	1.000	07 Nov 2022 10:57 am
8) 110708.D 10 ppb ccv 8260 67..	VM080322.M soil	5	1.000	07 Nov 2022 12:37 pm
9) 110709.D 02-2625 lcs	VM080322.M soil	6	1.000	07 Nov 2022 01:01 pm
10) 110710.D 210364-03 ms	VM080322.M soil	7	1.000	07 Nov 2022 01:24 pm
11) 110711.D 210364-03 msd	VM080322.M soil	8	1.000	07 Nov 2022 01:47 pm
12) 110712.D rinse	VM080322.M soil	100	1.000	07 Nov 2022 02:10 pm
13) 110713.D 02-2625 mb	VM080322.M soil	9	1.000	07 Nov 2022 02:33 pm
14) 110714.D 02-2625 mb 1/0.25	VM080322.M soil	10	1.000	07 Nov 2022 02:56 pm
15) 110715.D 210370-01 1/0.25	VM080322.M soil	11	1.000	07 Nov 2022 03:19 pm
16) 110716.D 210370-02 1/0.25	VM080322.M soil	12	1.000	07 Nov 2022 03:43 pm
17) 110717.D 210370-03 1/0.25	VM080322.M soil	13	1.000	07 Nov 2022 04:06 pm
18) 110718.D 210370-04 1/0.25	VM080322.M soil	14	1.000	07 Nov 2022 04:29 pm
19) 110719.D 210370-10 1/0.25	VM080322.M soil	15	1.000	07 Nov 2022 04:52 pm
20) 110720.D 210370-11 1/0.25	VM080322.M soil	16	1.000	07 Nov 2022 05:15 pm
21) 110721.D	VM080322.M			

210370-12 1/0.25	soil		17	1.000	07 Nov 2022	05:38 pm
22) 110722.D		VM080322.M				
210370-13 1/0.25	soil		18	1.000	07 Nov 2022	06:01 pm
23) 110723.D		VM080322.M				
210370-14 1/0.25	soil		19	1.000	07 Nov 2022	06:24 pm
24) 110724.D		VM080322.M				
210370-17 1/0.25	soil		20	1.000	07 Nov 2022	06:47 pm
25) 110725.D		VM080322.M				
210364-03 1/0.25	soil		21	1.000	07 Nov 2022	07:11 pm
26) 110726.D		VM080322.M				
210364-04 1/0.25	soil		22	1.000	07 Nov 2022	07:34 pm
27) 110727.D		VM080322.M				
210364-08 1/0.25	soil		23	1.000	07 Nov 2022	07:57 pm
28) 110728.D		VM080322.M				
210364-11 1/0.25	soil		24	1.000	07 Nov 2022	08:21 pm
29) 110729.D		VM080322.M				
210364-13 1/0.25	soil		25	1.000	07 Nov 2022	08:44 pm
30) 110730.D		VM080322.M				
210364-16 1/0.25	soil		26	1.000	07 Nov 2022	09:07 pm
31) 110731.D		VM080322.M				
210364-20 1/0.25	soil		27	1.000	07 Nov 2022	09:30 pm
32) 110732.D		VM080322.M				
210364-24 1/0.25	soil		28	1.000	07 Nov 2022	09:53 pm
33) 110733.D		VM080322.M				
210439-02 1/0.25	soil		29	1.000	07 Nov 2022	10:17 pm
34) 110734.D		VM080322.M				
210439-06 1/0.25	soil		30	1.000	07 Nov 2022	10:40 pm
35) 110735.D		VM080322.M				
210364-03	soil		31	1.000	07 Nov 2022	11:03 pm
36) 110736.D		VM080322.M				
rinse	soil		100	1.000	07 Nov 2022	11:26 pm
37) 110737.D		VM080322.M				
10 ppb ccv 8260 67..	soil		32	1.000	07 Nov 2022	11:49 pm
38) 110738.D		VM080322.M				
02-2629 lcs	soil		33	1.000	08 Nov 2022	12:12 am
39) 110739.D		VM080322.M				
211091-01 ms	soil		34	1.000	08 Nov 2022	12:35 am
40) 110740.D		VM080322.M				
211091-01 msd	soil		35	1.000	08 Nov 2022	12:58 am
41) 110741.D		VM080322.M				
rinse	soil		100	1.000	08 Nov 2022	01:21 am
42) 110742.D		VM080322.M				
02-2629 mb	soil		36	1.000	08 Nov 2022	01:44 am
43) 110743.D		VM080322.M				
02-2629 mb 1/0.25	soil		37	1.000	08 Nov 2022	02:07 am

44) 110744.D		VM080322.M					
210409-01 1/0.25	soil		38	1.000	08 Nov 2022	02:30	am
45) 110745.D		VM080322.M					
210409-02 1/0.25	soil		39	1.000	08 Nov 2022	02:53	am
46) 110746.D		VM080322.M					
210409-04 1/0.25	soil		40	1.000	08 Nov 2022	03:16	am
47) 110747.D		VM080322.M					
210409-10 1/0.25	soil		41	1.000	08 Nov 2022	03:39	am
48) 110748.D		VM080322.M					
210409-11 1/0.25	soil		42	1.000	08 Nov 2022	04:02	am
49) 110749.D		VM080322.M					
210409-13 1/0.25	soil		43	1.000	08 Nov 2022	04:25	am
50) 110750.D		VM080322.M					
210409-15 1/0.25	soil		44	1.000	08 Nov 2022	04:48	am
51) 110751.D		VM080322.M					
210409-18 1/0.25	soil		45	1.000	08 Nov 2022	05:11	am
52) 110752.D		VM080322.M					
210409-21 1/0.25	soil		46	1.000	08 Nov 2022	05:34	am
53) 110753.D		VM080322.M					
210409-22 1/0.25	soil		47	1.000	08 Nov 2022	05:57	am
54) 110754.D		VM080322.M					
210409-23 1/0.25	soil		48	1.000	08 Nov 2022	06:20	am
55) 110755.D		VM080322.M					
210409-25 1/0.25	soil		49	1.000	08 Nov 2022	06:43	am
56) 110756.D		VM080322.M					
210409-29 1/0.25	soil		50	1.000	08 Nov 2022	07:06	am
57) 110757.D		VM080322.M					
210409-32 1/0.25	soil		51	1.000	08 Nov 2022	07:29	am
58) 110758.D		VM080322.M					
210409-33 1/0.25	soil		52	1.000	08 Nov 2022	07:52	am
59) 110759.D		VM080322.M					
210409-341/0.25	soil		53	1.000	08 Nov 2022	08:15	am
60) 110760.D		VM080322.M					
210409-36 1/0.25	soil		54	1.000	08 Nov 2022	08:38	am
61) 110761.D		VM080322.M					
210409-41 1/0.25	soil		55	1.000	08 Nov 2022	09:01	am
62) 110762.D		VM080322.M					
210409-42 1/0.25	soil		56	1.000	08 Nov 2022	09:24	am
63) 110763.D		VM080322.M					
211091-01	soil		57	1.000	08 Nov 2022	09:48	am
64) 110764.D		VM080322.M					
rinse	soil		100	1.000	08 Nov 2022	10:10	am

DM
DMC
11/9

Sequence Name: C:\GCMS4\SEQUENCES\11-18-22.S

Comment:

Operator: lm

Data Path: D:\GCMS4\GCMS4_DATA\11-18-22\

Instrument Control Pre-Seq Cmd:

Data Analysis Pre-Seq Cmd:

Instrument Control Post-Seq Cmd:

Data Analysis Post-Seq Cmd:

Method Sections To Run

Full Method

Reprocessing Only

Sequence Barcode Options

On Mismatch, Inject Anyway

On Mismatch, Don't Inject

Barcode Disabled

Line	Sample		Sample Name/Misc Info
1)	Sample	1	111801 8260VM1 rinse
2)	Sample	2	111802 8260VM1 10 ppb 8260 CCV 67-150N
3)	Sample	3	111803 8260VM1 02-2768 lcs
4)	Sample	4	111804 8260VM1 rinse
5)	Sample	5	111805 8260VM1 02-2768 mb
6)	Sample	6	111806 8260VM1 rinse
7)	Sample	7	111807 8260VM1 02-2753 lcs
8)	Sample	8	111808 8260VM1 rinse
9)	Sample	9	111809 8260VM1 02-2753 mb
10)	Sample	10	111810 8260VM1 10 ppb 8260 CCV 67-192N
11)	Sample	11	111811 8260VM1 211195-08 ms
12)	Sample	12	111812 8260VM1 211195-08 msd
13)	Sample	13	111813 8260VM1 211237-01 ms
14)	Sample	14	111814 8260VM1 211237-01 msd
15)	Sample	15	111815 8260VM1 rinse
16)	Sample	16	111816 8260VM1 instrument blank
17)	Sample	17	111817 8260VM1 211188-02 rx
18)	Sample	18	111818 8260VM1 211195-08 rx
19)	Sample	19	111819 8260VM1 211195-17 rx
20)	Sample	20	111820 8260VM1 211195-19 rx
21)	Sample	21	111821 8260VM1 211195-20 rx

EPA 8260D

Checklists

GC/MS ICAL Checklist

Instrument: GC/MS 4

Sequence Date: 11/08/22

Shift # 1

Item	Initial	Date
Shift and Batch		
Initial Calibration Analyzed, Evaluated and Passed	JLM	11/08/22
2 nd source passed	|	|
Analyte retention time checked	|	|
Tune passed	|	|
Non-Conformance Report filled out (if needed)	|	|

Notes: ACETONE LO. IF HIT.

Attach this sheet to raw data package.

Supervisor Initials and Date

GC/MS ICAL Checklist

Instrument: GC/MS 13

Sequence Date: 1.05.22 / 11.07.22 Shift # 1

Item	Initial	Date
Shift and Batch		
Initial Calibration Analyzed, Evaluated and Passed	✓ <i>WY</i>	11.07.22
2nd source passed	✓	|
Analyte retention time checked	✓	|
Tune passed	✓	|
Non-Conformance Report filled out (if needed)	NA	|

Notes: *toluene failed high in SCV 18150 ppb but*
SCV analyzed on 11.07.22 used prep vials
WY 11.07.22

Attach this sheet to raw data package.

YA 11/14/22
 Supervisor Initials and Date

GC/MS Data Daily Checklist

Instrument: GC/MS 4

Sequence Date: 11-18-22

Shift # 1

Item	Initial	Date
Shift and Batch		
All samples analyzed within 12 hour shift	✓	11/22
Internal Standards within limits (50-200% of the CCVs for 8260, 8270; 70-130% for 524.2)	✓	|
Surrogate recoveries within limits	✓	|
Laboratory control sample (LCS) recoveries within limits	✓	|
Matrix spike (MS) analyzed	✓	|
RPDs within limits	✓	|
Continuing Calibration Analyzed, Evaluated and Passed	see below	
Non-Conformance Report filled out (if needed)	|	|

Notes: trichloroethane, acet, bromomethane

Attach this sheet to raw data package.

Supervisor Initials and Date

GC/MS Data Daily Checklist

Instrument: GC/MS 4

Sequence Date: 11.18.22

Shift # 2

Item	Initial	Date
Shift and Batch		
All samples analyzed within 12 hour shift	✓	11/22
Internal Standards within limits (50-200% of the CCVs for 8260, 8270; 70-130% for 524.2)	✓	|
Surrogate recoveries within limits	✓	
Laboratory control sample (LCS) recoveries within limits	✓	
Matrix spike (MS) analyzed	✓	
RPDs within limits	✓	
Continuing Calibration Analyzed, Evaluated and Passed	see below	
Non-Conformance Report filled out (if needed)		

Notes: ~~VCl⁺, dichloro-difluoro-eth⁺, chloro-ethane⁺, chloro-ethene⁺, acet⁺, trichloro-ethene⁺, ac⁺, TBAH, H₂O⁺, 1,2-dichloro⁺, Carbon tet⁺, 1,2-dichloro⁺, di-bromo⁺~~

Attach this sheet to raw data package.

Supervisor Initials and Date

GC/MS Data Daily Checklist

Instrument: GC/MS 4

Sequence Date: 11.23.22

Shift # 2

Item	Initial	Date
Shift and Batch		
All samples analyzed within 12 hour shift	✓	11/28
Internal Standards within limits (50-200% of the CCVs for 8260, 8270; 70-130% for 524.2)	✓	|
Surrogate recoveries within limits	✓	|
Laboratory control sample (LCS) recoveries within limits	N	|
Matrix spike (MS) analyzed	Y	|
RPDs within limits	L	|
Continuing Calibration Analyzed, Evaluated and Passed	see below	|
Non-Conformance Report filled out (if needed)		|

Notes: no H: ple high (too many to list)

Attach this sheet to raw data package.

Supervisor Initials and Date

GC/MS Data Daily Checklist

Instrument: GC/MS 13

Sequence Date: 11-18-22

Shift # 1

Item	Initial	Date
Shift and Batch		
All samples analyzed within 12 hour shift	✓	11/21
Internal Standards within limits (50-200% of the CCVs for 8260, 8270; 70-130% for 524.2)	✓	
Surrogate recoveries within limits	✓	
Laboratory control sample (LCS) recoveries within limits	✓	
Matrix spike (MS) analyzed	✓	
RPDs within limits	✓	
Continuing Calibration Analyzed, Evaluated and Passed	see below	
Non-Conformance Report filled out (if needed)	✓	

Notes: ET1561, 2,2-dichloro, 1,2,3-trichloro

Attach this sheet to raw data package.

Supervisor Initials and Date

GC/MS Data Daily Checklist

Instrument: GC/MS 13

Sequence Date: 11-18-22

Shift # 2

Item	Initial	Date
Shift and Batch		
All samples analyzed within 12 hour shift	✓	11/21
Internal Standards within limits (50-200% of the CCVs for 8260, 8270; 70-130% for 524.2)	✓	
Surrogate recoveries within limits	✓	
Laboratory control sample (LCS) recoveries within limits	✓	
Matrix spike (MS) analyzed	✓	
RPDs within limits	✓	
Continuing Calibration Analyzed, Evaluated and Passed	see below	
Non-Conformance Report filled out (if needed)	✓	

Notes: 6 samples returned 1, EISG P, 2-2-dichloro P

Attach this sheet to raw data package.

Supervisor Initials and Date

EPA 8260D
Internal Standard/Surrogate Summaries

GC/MS QA-QC Check Report

Tune File : D:\Proc_GCMS4\11-08-22\110806.D

Tune Time : 8 Nov 2022 11:14 am

Daily Calibration File : D:\Proc_GCMS4\11-08-22\110813.D

(DMF) (DHL) (TOL) (BFB)

86139 72870 48476

File	Sample	Surrogate Recovery %					Internal Standard Responses		
110808.D	0.2 ppb 82	101	100	98	102	89075	74574	48941	
110809.D	0.5 ppb 82	99	101	99	102	90028	74657	50024	
110810.D	1 ppb 8260	97	95	100	103	88603	74537	47526	
110811.D	2 ppb 8260	101	100	97	100	88402	71977	47903	
110812.D	5 ppb 8260	98	101	99	100	89475	75227	49685	
110813.D	10 ppb 826	102	101	101	100	86139	72870	48476	
110814.D	20 ppb 826	101	100	100	99	89724	75215	49913	
110815.D	50 ppb 826	99	101	101	99	90079	76555	49605	
110816.D	100 ppb 82	100	99	101	99	90209	77727	50521	
110817.D	150 ppb 82	101	100	101	100	87265	74546	50457	
110818.D	200 ppb 82	101	103	103	95	87283	73762	52648	
110820.D	10 ppb 826	102	101	99	96	83510	70248	47550	

(fails) - fails 12hr time check * - fails criteria

Created: Tue Nov 08 17:33:41 2022 GCMS4

GC/MS QA-QC Check Report

Tune File : Y:\Proc_GCMS4\11-18-22\111810.D

Tune Time : 18 Nov 2022 5:45 pm

Daily Calibration File : Y:\Proc_GCMS4\11-18-22\111810.D

(DMF) (DHL) (TOL) (BFB)

57896 55214 36746

File	Sample	Surrogate	Recovery %	Internal Standard Responses		
111811.D	211195-08	101	96	124*	127*	61000 58936 40242
111812.D	211195-08	105	98	121*	127*	59761 56051 41155
111813.D	211237-01	103	99	109	103	62898 59930 38633
111814.D	211237-01	106	96	107	98	59344 55800 37323
111816.D	instrument	107	97	106	99	60890 57029 38010
111817.D	211188-02	108	98	111	105	60188 56153 38471
111818.D	211195-08	100	93	126*	128*	60712 58513 39777
111819.D	211195-17	104	100	105	101	61721 57031 37735
111820.D	211195-19	103	93	103	97	62973 57000 38760
111821.D	211195-20	104	97	104	96	58890 53367 36851

(fails) - fails 12hr time check * - fails criteria

Created: Tue Nov 22 09:15:04 2022 GCMS4

GC/MS QA-QC Check Report

Tune File : Y:\Proc_GCMS4\11-23-22\112308.D
 Tune Time : 23 Nov 2022 4:15 pm

Daily Calibration File : Y:\Proc_GCMS4\11-23-22\112308.D

(DMF) (DHL) (TOL) (BFB)

56312 59282 40281

File	Sample	Surrogate	Recovery %	Internal Standard Responses
112310.D	211237-01	106	97 110 96	56597 56382 38721
112311.D	211335-01	107	102 109 97	54240 54433 37020
112312.D	211335-02	108	100 112* 98	53659 54482 37539
112313.D	211335-03	105	95 111 98	55025 56352 37715
112314.D	211335-04	106	95 115* 99	55435 57036 37641
112315.D	211335-05	105	97 108 98	55243 54993 37217
112316.D	211335-06	103	97 110 96	55264 56219 38093
112317.D	211300-01	104	97 110 98	54788 55068 37512
112318.D	211300-04	107	101 109 95	53498 52976 36548
112319.D	211300-06	104	96 110 96	53343 52982 36517
112320.D	211341-02	107	99 113* 99	54076 56081 37762
112321.D	211341-02	108	99 111 97	53926 55585 38280

(fails) fails 12hr time check -- fails criteria

Created: Mon Nov 28 13:24:39 2022 GCMS4

GC/MS QA-QC Check Report

Tune File : D:\Proc_GCMS13\11-05-22\110503.D

Tune Time : 05 Nov 2022 10:22 am

Daily Calibration File : D:\Proc_GCMS13\11-05-22\110514.D

(DMF) (DHL) (TOL) (BFB)

104308

87057

51133

File	Sample	Surrogate Recovery %				Internal Standard Responses		
110506.D	0.02 ppb 8	101	100	99	104	110742	89451	50648
110507.D	0.04 ppb 8	95	104	99	106	111750	92506	50709
110508.D	0.1 ppb 82	102	104	100	105	109470	90583	50314
110509.D	0.2 ppb 8	101	104	97	105	108326	89660	50001
110510.D	0.5 ppb 82	101	95	96	100	111564	90038	50622
110511.D	1 ppb 8260	99	102	101	99	110201	89750	52061
110512.D	2 ppb 8260	100	99	100	98	108368	87014	51026
110513.D	5 ppb 8260	97	97	99	100	109707	88629	50120
110514.D	10 ppb 826	100	105	102	100	104308	87057	51133
110515.D	20 ppb 826	100	97	101	96	105008	89462	52775
110516.D	50 ppb 826	101	94	100	95	104359	89151	54409
110517.D	100 ppb 82	101	98	103	96	105192	89610	53646
110518.D	150 ppb 82	98	100	102	95	106741	92515	56204
110519.D	200 ppb 82	102	103	102	94	105227	91763	54540

(fails) - fails 12hr time check * - fails criteria

Created: Mon Nov 07 15:53:07 2022 GCMS13

GC/MS QA-QC Check Report

Tune File : D:\Proc_GCMS13\11-07-22\110706.D

Tune Time : 07 Nov 2022 10:34 am

Daily Calibration File : D:\Proc_GCMS13\11-07-22\110706.D

(DMF) (DHL) (TOL) (BFB)

107809 88712 52143

File Sample Surrogate Recovery % Internal Standard Responses

=====

110706.D	10 ppb	826	101	103	101	98	107809	88712	52143
----------	--------	-----	-----	-----	-----	----	--------	-------	-------

(fails) - fails 12hr time check * - fails criteria

Created: Mon Nov 07 15:51:48 2022 GCMS13

GC/MS QA-QC Check Report

Tune File : Y:\Proc_GCMS13\11-18-22\111803.D

Tune Time : 18 Nov 2022 06:14 am

Daily Calibration File : Y:\Proc_GCMS13\11-18-22\111803.D

(DMF) (DHL) (TOL) (BFB)

96488 88501 52821

File	Sample	Surrogate Recovery %				Internal Standard Responses		
111804.D	02-2769 lc	95	92	94	95	105447	89670	53179
111805.D	02-2769 lc	104	96	101	94	94745	86932	52583
111807.D	02-2769 mb	109	97	102	99	98432	91850	53151
111808.D	02-2768 mb	107	98	105	98	97125	92765	54272
111809.D	02-2639 lc	107	98	101	98	101161	90548	52890
111810.D	02-2639 lc	96	91	92	95	106181	87293	52791
111811.D	02-2639 lc	103	95	101	97	97833	89169	53087
111814.D	211213-01	103	97	103	99	97000	89445	53928
111815.D	211213-02	104	99	101	99	98751	89329	52898
111816.D	211213-03	102	99	100	97	97573	86962	53581
111817.D	211213-04	104	99	105	97	95216	88255	53646
111818.D	211213-05	105	112	103	96	96892	89032	53018
111819.D	211213-06	104	98	103	101	100506	89928	54139
111820.D	211213-08	104	97	101	102	99789	91501	53112
111821.D	211213-09	105	102	102	97	96019	89468	53592
111822.D	211213-10	91	91	92	98	108780	90291	53037
111823.D	211213-11	95	87	92	100	109200	91491	53189
111824.D	211213-12	104	104	105	101	98517	92749	52819
111825.D	211213-08	105	106	105	101	96781	91399	53734

111826.D

02-2639 mb 100 95 102 102 89886 79445 44836

111827.D

211242-01 99 91 100 100 86748 72600 42139

(fails) - fails 12hr time check * - fails criteria

Created: Mon Nov 21 09:51:55 2022 GCMS13

GC/MS QA-QC Check Report

Tune File : Y:\Proc_GCMS13\11-18-22\111829.D

Tune Time : 18 Nov 2022 06:31 pm

Daily Calibration File : Y:\Proc_GCMS13\11-18-22\111829.D

(DMF) (DHL) (TOL) (BFB)

94077 87816 50565

File	Sample	Surrogate	Recovery %				Internal Standard	Responses	
111832.D	02-2753 mb	100	98	101	97	97712	89879	53885	
111833.D	211237-06	96	94	92	99	108572	89263	52365	
111834.D	211213-07	110	108	102	101	95999	88611	52081	
111835.D	211239-01	94	94	92	97	107955	89116	53883	
111836.D	211239-02	106	97	103	103	97902	87507	53566	
111837.D	211239-03	106	102	101	94	95033	88614	54424	
111838.D	211239-04	93	97	92	95	108114	91466	55775	
111839.D	211239-05	102	99	101	97	98509	90557	55381	
111840.D	211239-06	103	99	101	96	99220	91005	55811	
111841.D	211239-07	101	101	99	96	100540	92599	55844	
111842.D	211239-08	94	88	93	95	111399	95270	58027	
111843.D	211239-09	103	99	101	94	100247	93817	57117	
111844.D	211239-10	96	92	91	97	113233	95608	57597	
111845.D	211237-01	104	98	101	95	102787	96113	56780	
111846.D	211237-02	106	103	102	98	101735	95597	57487	
111847.D	211237-03	91	89	91	98	110698	88861	51740	
111848.D	211237-04	101	94	102	93	102670	94925	59899	
111849.D	211237-05	93	92	92	95	112879	95887	58726	
111850.D	211237-07	106	101	103	94	102361	97130	58863	

111851.D

211237-08

95

88

93

97

111049

94412

57236

(fails) - fails 12hr time check * - fails criteria

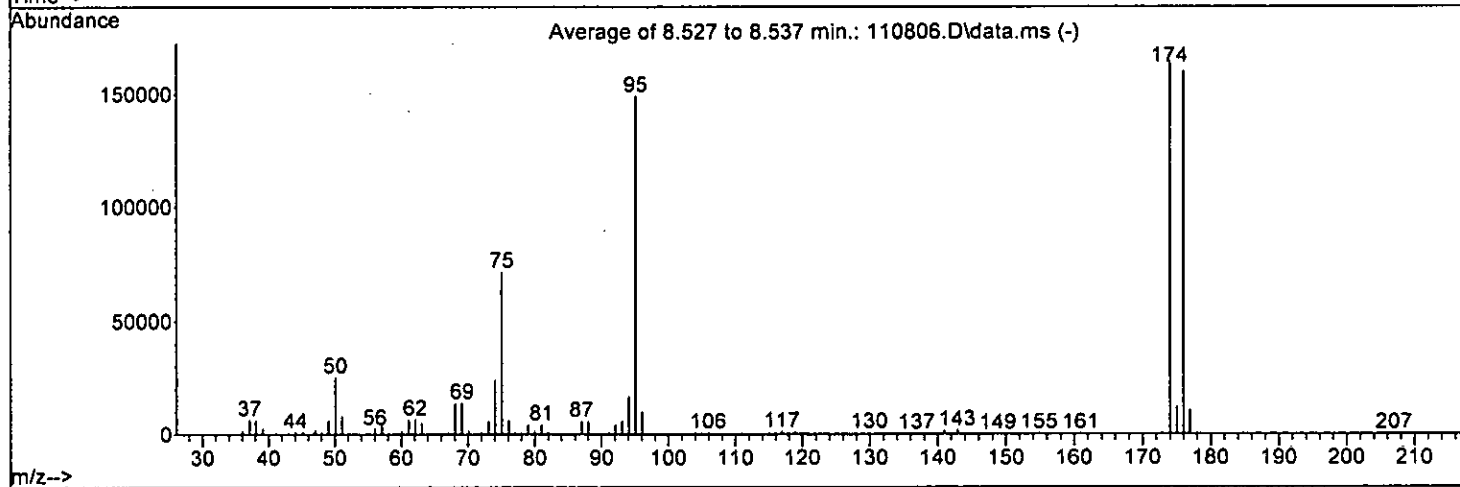
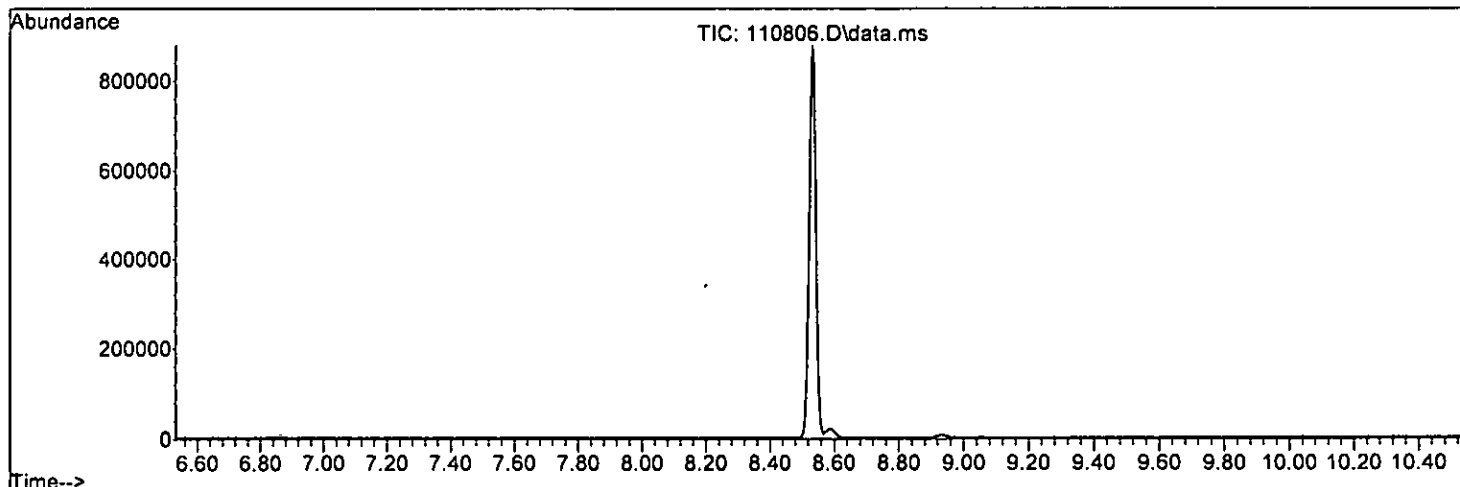
Created: Mon Nov 21 10:36:19 2022 GCMS13

EPA 8260D
Tune Summaries

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110806.D
 Acq On : 8 Nov 2022 11:14 am
 Operator : LM
 Sample : 50 ng 8FB 67-152A
 Misc : direct inject
 ALS Vial : 100 Sample Multiplier: 1

Integration File: LSCINT.P

Method : D:\Methods\Inst4\VB110822ms4.M
 Title : 8260 Purge & Trap Volatiles
 Last Update : Tue Nov 08 16:47:05 2022



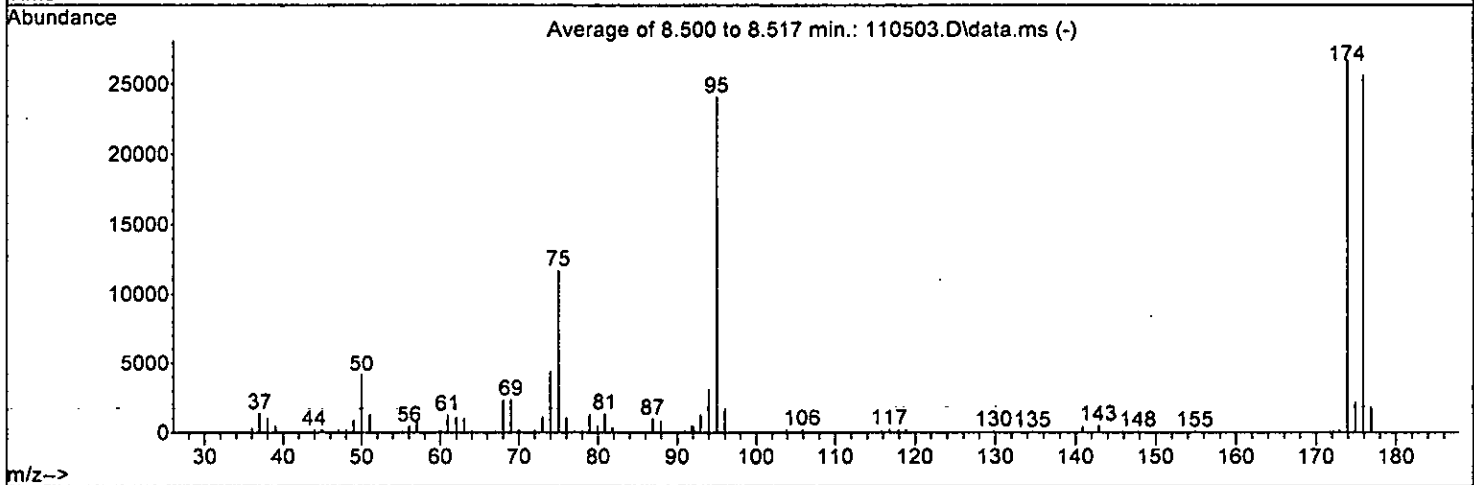
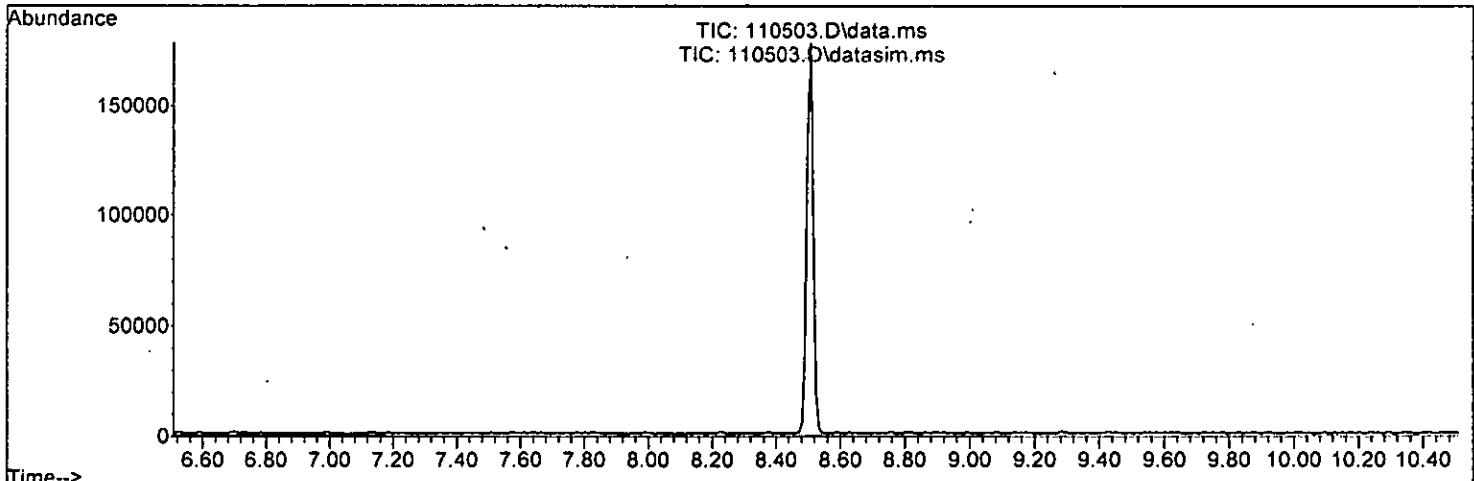
AutoFind: Scans 1519, 1520, 1521; Background Corrected with Scan 1510

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
95	174	50	200	90.7	149152	PASS
96	95	5	9	6.7	10011	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	200	110.2	164392	PASS
175	174	5	9	7.5	12251	PASS
176	174	95	105	97.4	160173	PASS
177	176	5	10	6.6	10611	PASS

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110503.D
 Acq On : 05 Nov 2022 10:22 am
 Operator : VM
 Sample : 50 ng BFB 67-152A
 Misc : water
 ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: LSCINT.P
 Integration File signal 2: rteint2.p

Method : D:\Methods\Inst13\VB110522ms13.M
 Title : 8260 Purge & Trap Volatiles Dual Acquisition
 Last Update : Mon Nov 07 10:10:04 2022



AutoFind: Scans 715, 716, 717; Background Corrected with Scan 709

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
95	174	50	200	90.0	24071	PASS
96	95	5	9	6.7	1621	PASS
173	174	0.00	2	0.6	157	PASS
174	95	50	200	111.1	26747	PASS
175	174	5	9	8.0	2142	PASS
176	174	95	105	95.8	25611	PASS
177	176	5	10	6.9	1773	PASS

EPA 8260D
Initial Calibrations

Compound List Report GCMS4

Method Path : D:\Methods\Inst4\
 Method File : VB110822ms4.M
 Title : 8260 Purge & Trap Volatiles
 Last Update : Tue Nov 08 16:47:05 2022
 Response Via : Initial Calibration

Total Cpnds : 76

PK#	Compound Name	QIon	Exp_RT	Rel_RT	Cal	#Qual	A/H	ID
1	I Fluorobenzene	96	4.78	1.000	A	1	A	B
2	T Ethanol	45	1.07	0.224	A	1	A	B
3	S Dibromofluoromethane	113	4.21	0.882	A	0	A	B
4	T Dichlorodifluoromethane	85	1.17	0.246	A	1	A	B
5	T Chloromethane	50	1.31	0.275	A	1	A	B
6	T Vinyl chloride	62	1.40	0.293	A	1	A	B
7	T Bromomethane	94	1.62	0.340	A	1	A	B
8	T Chloroethane	64	1.70	0.355	A	1	A	B
9	T Trichlorofluoromethane	101	1.90	0.397	A	1	A	B
10	T 2-Propanol	45	2.99	0.625	A	1	A	B
11	T Acetone	58	2.38	0.498	Q	1	A	B
12	T 1,1-Dichloroethene	96	2.32	0.486	A	2	A	B
13	T Hexane	57	3.21	0.672	A	2	A	B
14	T Methylene chloride	84	2.73	0.572	L	2	A	B
15	T t-Butyl alcohol (TBA)	59	2.87	0.600	A	1	A	B
16	T Methyl t-butyl ether (MTBE)	73	2.99	0.625	A	1	A	B
17	T trans-1,2-Dichloroethene	96	2.97	0.621	A	2	A	B
18	T Diisopropyl ether (DIPE)	45	3.40	0.712	A	3	A	B
19	T 1,1-Dichloroethane	63	3.32	0.696	A	2	A	B
20	T Ethyl t-butyl ether (ETBE)	87	3.71	0.776	A	3	A	B
21	T 2,2-Dichloropropane	77	3.81	0.797	Q	1	A	B
22	T cis-1,2-Dichloroethene	96	3.81	0.797	A	2	A	B
23	T Chloroform	83	4.08	0.853	L	1	A	B
24	T 2-Butanone (MEK)	43	3.83	0.802	A	2	A	B
25	T t-Amyl methyl ether (TAME)	73	4.65	0.974	A	2	A	B
26	T 1,2-Dichloroethane (EDC)	62	4.55	0.953	A	1	A	B
27	T 1,1,1-Trichloroethane	97	4.23	0.886	A	2	A	B
28	T 1,1-Dichloropropene	75	4.37	0.915	A	2	A	B
29	T Carbon tetrachloride	117	4.37	0.915	A	1	A	B
30	S 1,2-Dichloroethane-d4	102	4.49	0.940	A	0	A	B
31	T Benzene	78	4.54	0.951	A	1	A	B
32	T Trichloroethene	95	5.09	1.064	A	3	A	B
33	T 1,2-Dichloropropane	63	5.28	1.105	A	1	A	B
34	T Bromodichloromethane	83	5.51	1.153	A	2	A	B
35	S Toluene-d8	98	6.14	1.285	A	0	A	B
36	T Dibromomethane	93	5.37	1.125	A	2	A	B
37	T 4-Methyl-2-pentanone	85	6.05	1.266	A	3	A	B
38	T cis-1,3-Dichloropropene	75	5.90	1.235	A	2	A	B
39	I Chlorobenzene-d5	117	7.43	1.000	A	0	A	B
40	T Toluene	92	6.20	0.834	A	1	A	B
41	T trans-1,3-Dichloropropene	75	6.39	0.859	A	2	A	B
42	T 1,1,2-Trichloroethane	83	6.55	0.882	A	2	A	B
43	T 2-Hexanone	43	6.79	0.913	A	3	A	B
44	T 1,3-Dichloropropane	76	6.70	0.902	A	1	A	B
45	T Tetrachloroethene	164	6.69	0.899	A	3	A	B
46	T Dibromochloromethane	129	6.91	0.929	Q	1	A	B
47	T 1,2-Dibromoethane (EDB)	107	7.00	0.942	A	2	A	B
48	T Chlorobenzene	112	7.46	1.003	A	2	A	B
49	T Ethylbenzene	91	7.57	1.018	A	1	A	B
50	T 1,1,1,2-Tetrachloroethane	131	7.54	1.014	A	2	A	B
51	T m,p-Xylene	106	7.68	1.033	A	1	A	B
52	T o-Xylene	106	8.05	1.082	A	1	A	B
53	T Styrene	104	8.06	1.084	A	1	A	B
54	T Isopropylbenzene	105	8.40	1.130	A	1	A	B
55	T Bromoform	173	8.22	1.106	Q	2	A	B

56	I	1,4-Dichlorobenzene-d4	152	9.65	1.000	A	2	A	B
57	S	4-Bromofluorobenzene	95	8.54	0.885	A	2	A	B
58	T	n-Propylbenzene	91	8.79	0.911	A	1	A	B
59	T	Bromobenzene	156	8.68	0.899	A	2	A	B
60	T	1,3,5-Trimethylbenzene	105	8.97	0.929	A	1	A	B
61	T	1,1,2,2-Tetrachloroethane	83	8.68	0.899	A	2	A	B
62	T	1,2,3-Trichloropropane	75	8.71	0.903	A	1	A	R
63	T	2-Chlorotoluene	91	8.87	0.919	A	1	A	B
64	T	4-Chlorotoluene	91	8.97	0.930	A	1	A	B
65	T	tert-Butylbenzene	119	9.28	0.962	A	2	A	B
66	T	1,2,4-Trimethylbenzene	105	9.33	0.966	A	1	A	B
67	T	sec-Butylbenzene	105	9.49	0.984	A	1	A	B
68	T	p-Isopropyltoluene	119	9.64	0.998	A	2	A	B
69	T	1,3-Dichlorobenzene	146	9.59	0.994	A	2	A	B
70	T	1,4-Dichlorobenzene	146	9.68	1.003	A	2	A	B
71	T	1,2-Dichlorobenzene	146	10.04	1.040	A	2	A	B
72	T	1,2-Dibromo-3-chloropropane	75	10.80	1.119	A	2	A	B
73	T	1,2,4-Trichlorobenzene	180	11.62	1.204	A	2	A	B
74	T	Hexachlorobutadiene	225	11.81	1.223	A	2	A	B
75	T	Naphthalene	128	11.86	1.229	A	2	A	B
76	T	1,2,3-Trichlorobenzene	180	12.10	1.254	A	2	A	B

Cal A = Average L = Linear LO = Linear w/origin Q = Quad QO = Quad w/origin

#Qual = number of qualifiers

A/H = Area or Height

ID R = R.T. B = R.T. & Q Q = Qvalue L = Largest A = All

VB110822ms4.M Tue Nov 08 17:32:05 2022

Calibration Status Report GCMS4

Method Path : D:\Methods\Inst4\
 Method File : VB110822ms4.M
 Title : 8260 Purge & Trap Volatiles
 Last Update : Tue Nov 08 16:47:05 2022
 Response Via : Initial Calibration

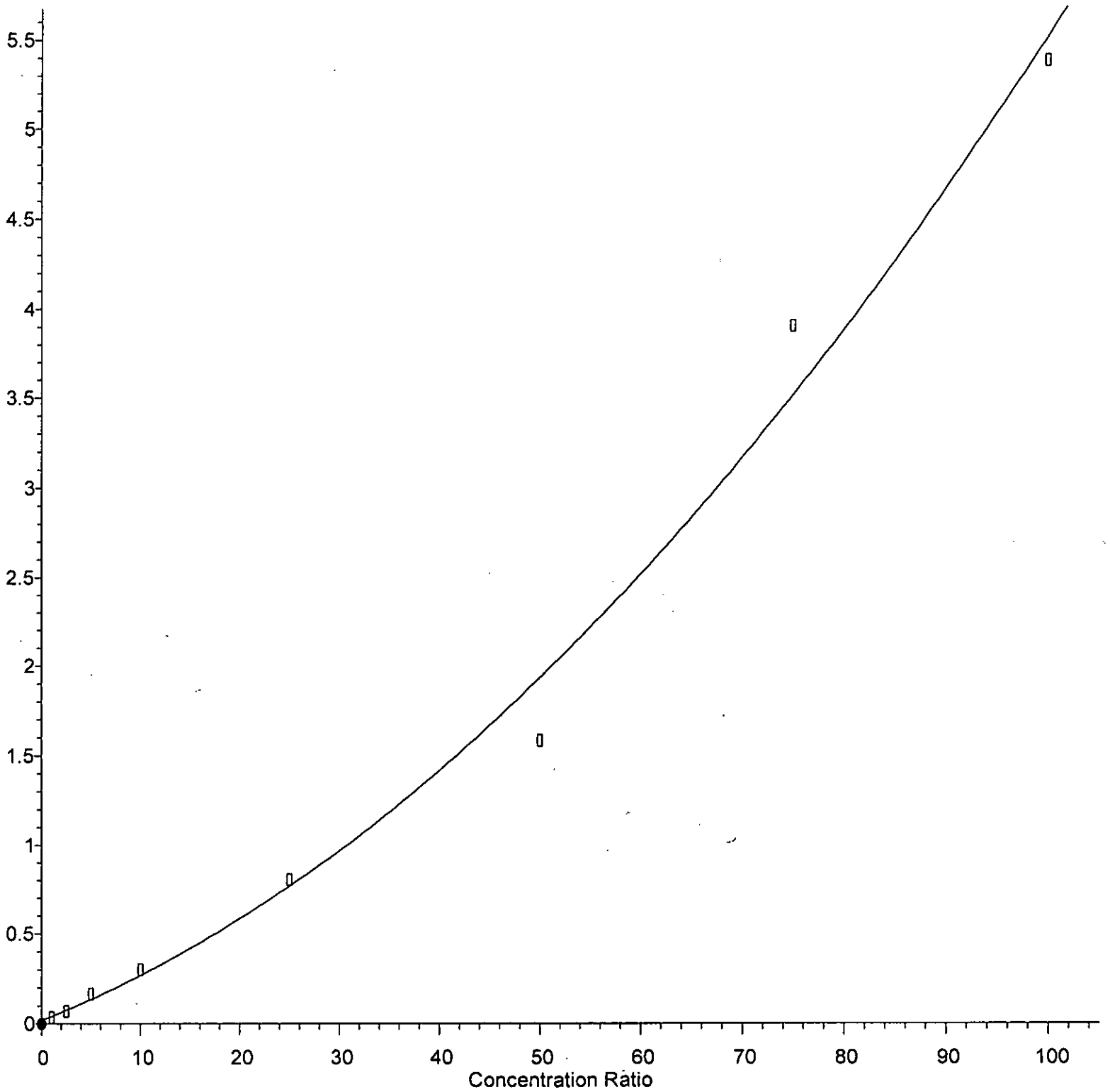
#	ID	Conc	ISTD Conc	Path\File
2	0.2	10	10	D:\Proc_GCMS4\11-08-22\110808.D
3	0.5	10	10	D:\Proc_GCMS4\11-08-22\110809.D
4	1	10	10	D:\Proc_GCMS4\11-08-22\110810.D
5	2	10	10	D:\Proc_GCMS4\11-08-22\110811.D
6	5	10	10	D:\Proc_GCMS4\11-08-22\110812.D
7	10	10	10	D:\Proc_GCMS4\11-08-22\110813.D
8	20	10	10	D:\Proc_GCMS4\11-08-22\110814.D
9	50	10	10	D:\Proc_GCMS4\11-08-22\110815.D
10	100	10	10	D:\Proc_GCMS4\11-08-22\110816.D
11	150	10	10	D:\Proc_GCMS4\11-08-22\110817.D

#	ID	Update Time	Quant Time	Acquisition Time
2	0.2	Nov 08 16:43 2022	Nov 08 16:36 2022	8 Nov 2022 12:05 pm
3	0.5	Nov 08 16:43 2022	Nov 08 16:40 2022	8 Nov 2022 12:29 pm
4	1	Nov 08 16:43 2022	Nov 08 16:41 2022	8 Nov 2022 12:53 pm
5	2	Nov 08 16:43 2022	Nov 08 16:41 2022	8 Nov 2022 1:17 pm
6	5	Nov 08 16:43 2022	Nov 08 16:36 2022	8 Nov 2022 1:42 pm
7	10	Nov 08 16:43 2022	Nov 08 16:36 2022	8 Nov 2022 2:06 pm
8	20	Nov 08 16:43 2022	Nov 08 16:36 2022	8 Nov 2022 2:30 pm
9	50	Nov 08 16:43 2022	Nov 08 16:41 2022	8 Nov 2022 2:55 pm
10	100	Nov 08 16:43 2022	Nov 08 16:41 2022	8 Nov 2022 3:19 pm
11	150	Nov 08 16:43 2022	Nov 08 16:42 2022	8 Nov 2022 3:43 pm

VB110822ms4.M Tue Nov 08 17:32:09 2022

Acetone

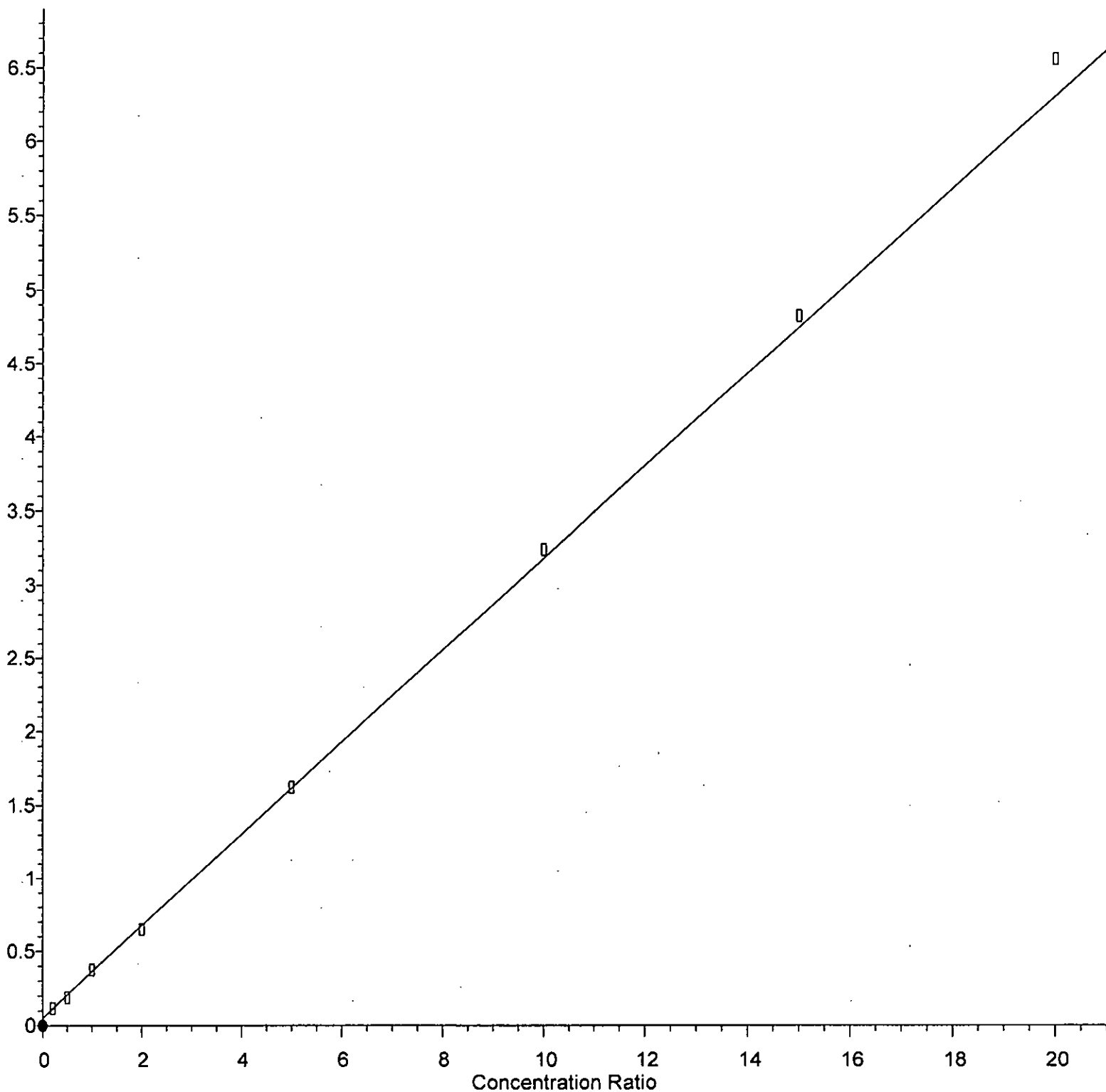
Response Ratio



$R = 3.368e-004 A^2 + 2.144e-002 A + 1.929e-002$
Coef of Det (r^2) = 0.990664 Curve Fit: Quadratic w(1/a)
Method Name: D:\Methods\Inst4\VB110822ms4.M
Calibration Table Last Updated: Tue Nov 08 16:47:05 2022

Methylene chloride

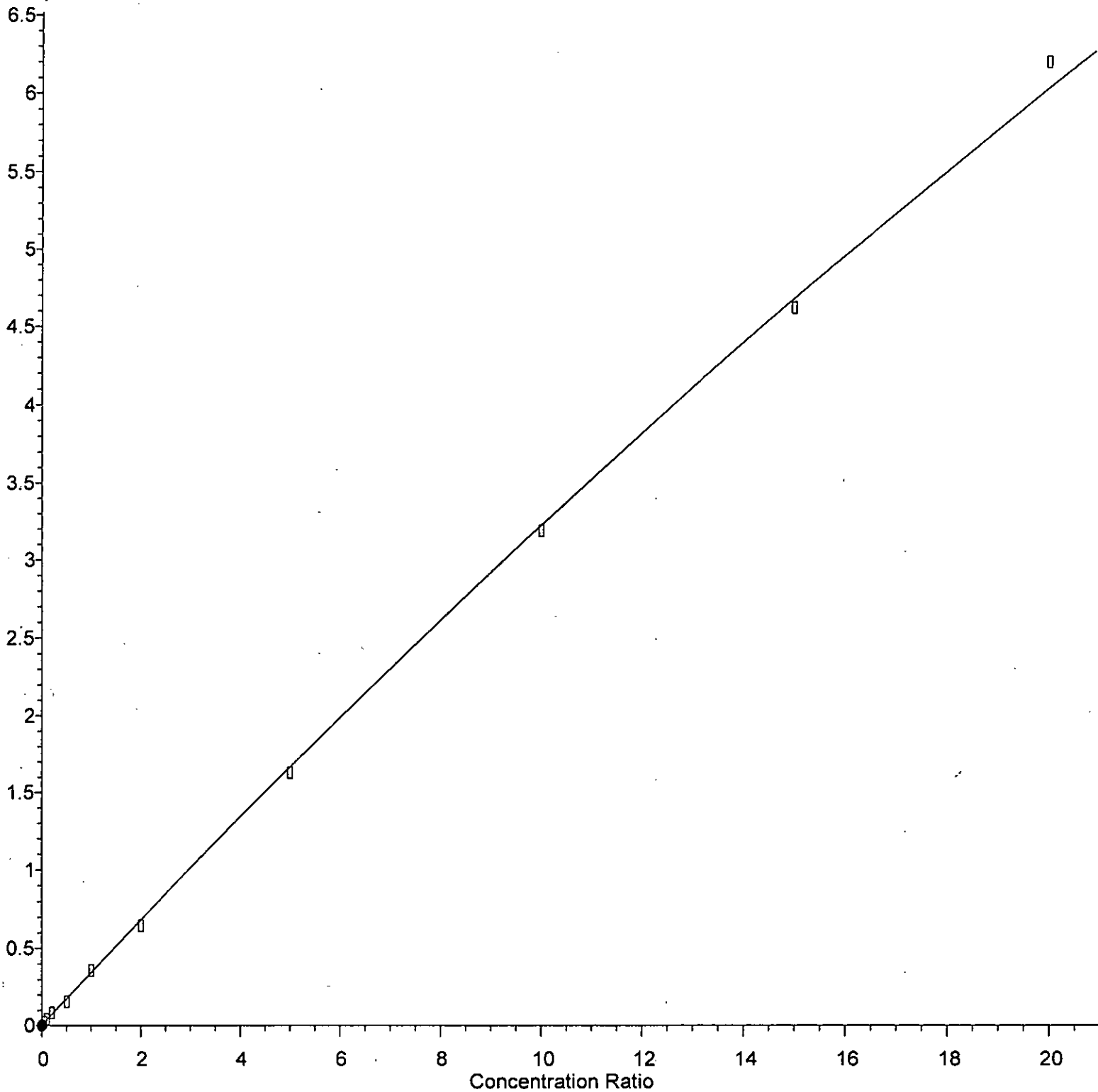
Response Ratio



Response = $3.130e-001 * Amt + 5.033e-002$
Coef of Det (r^2) = 0.995771 Curve Fit: wlr(1/a^2)
Method Name: D:\Methods\Inst4\VB110822ms4.M
Calibration Table Last Updated: Tue Nov 08 16:47:05 2022

2,2-Dichloropropane

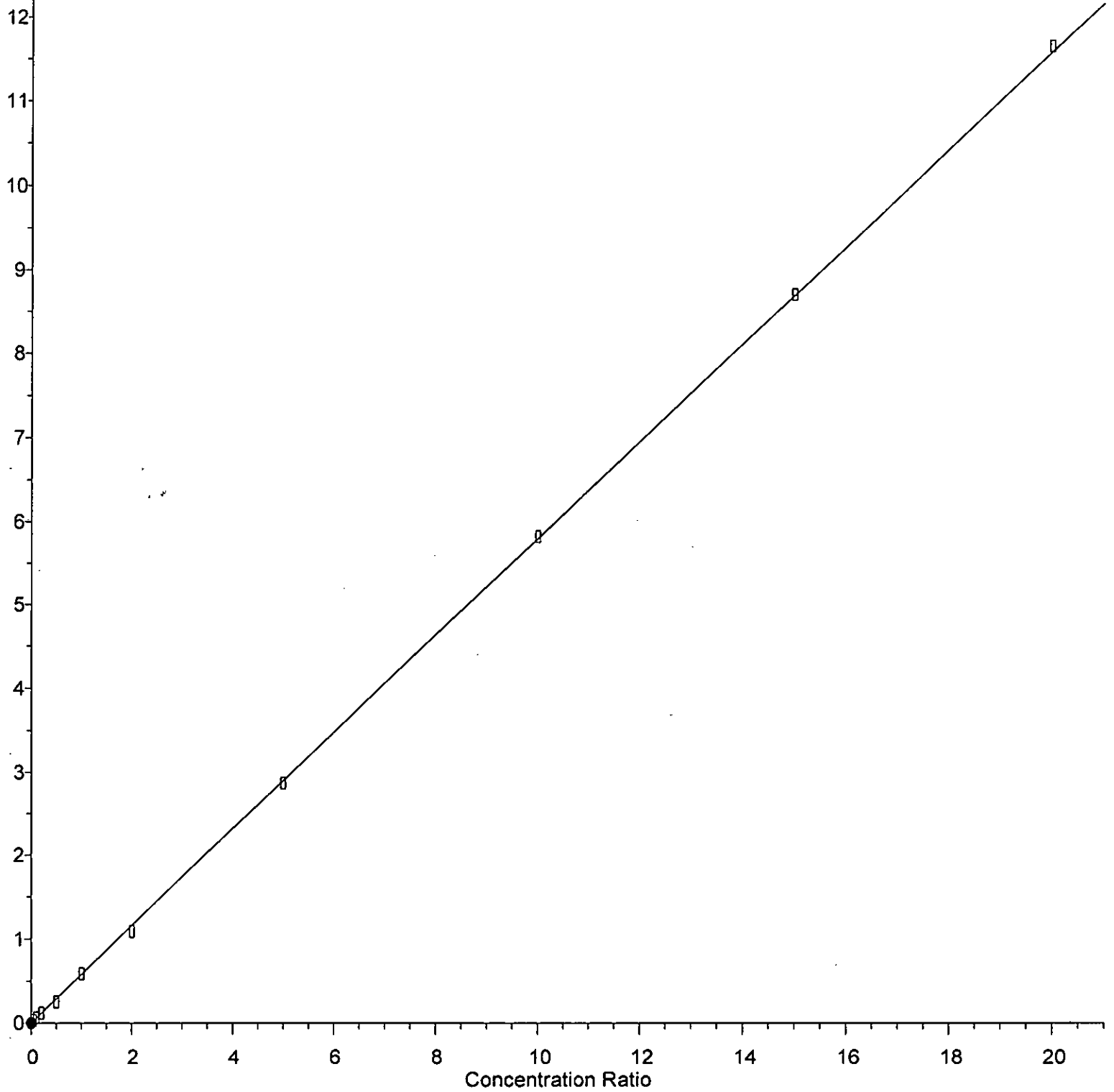
Response Ratio



R = -2.037e-003 A*A + 3.424e-001 A + 5.222e-003
Coef of Det (r^2) = 0.992815 Curve Fit: Quadratic w(1/a^2)
Method Name: D:\Methods\Inst4\VB110822ms4.M
Calibration Table Last Updated: Tue Nov 08 16:47:05 2022

Chloroform

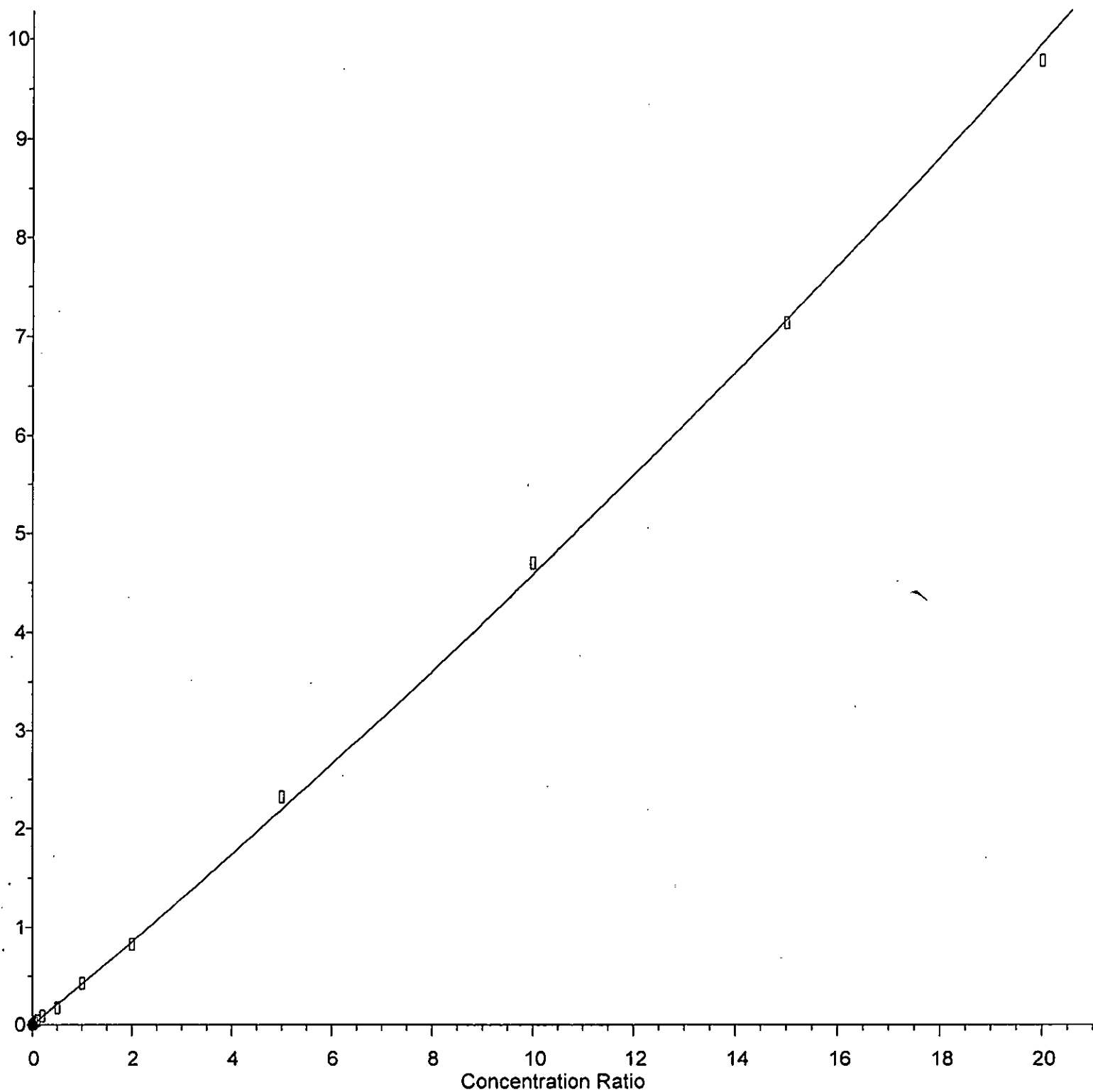
Response Ratio



Response = $5.799e-001 * Amt + 7.110e-004$
Coef of Det (r^2) = 0.999640 Curve Fit: wlr(1/a)
Method Name: D:\Methods\Inst4\VB110822ms4.M
Calibration Table Last Updated: Tue Nov 08 16:47:05 2022

Dibromochloromethane

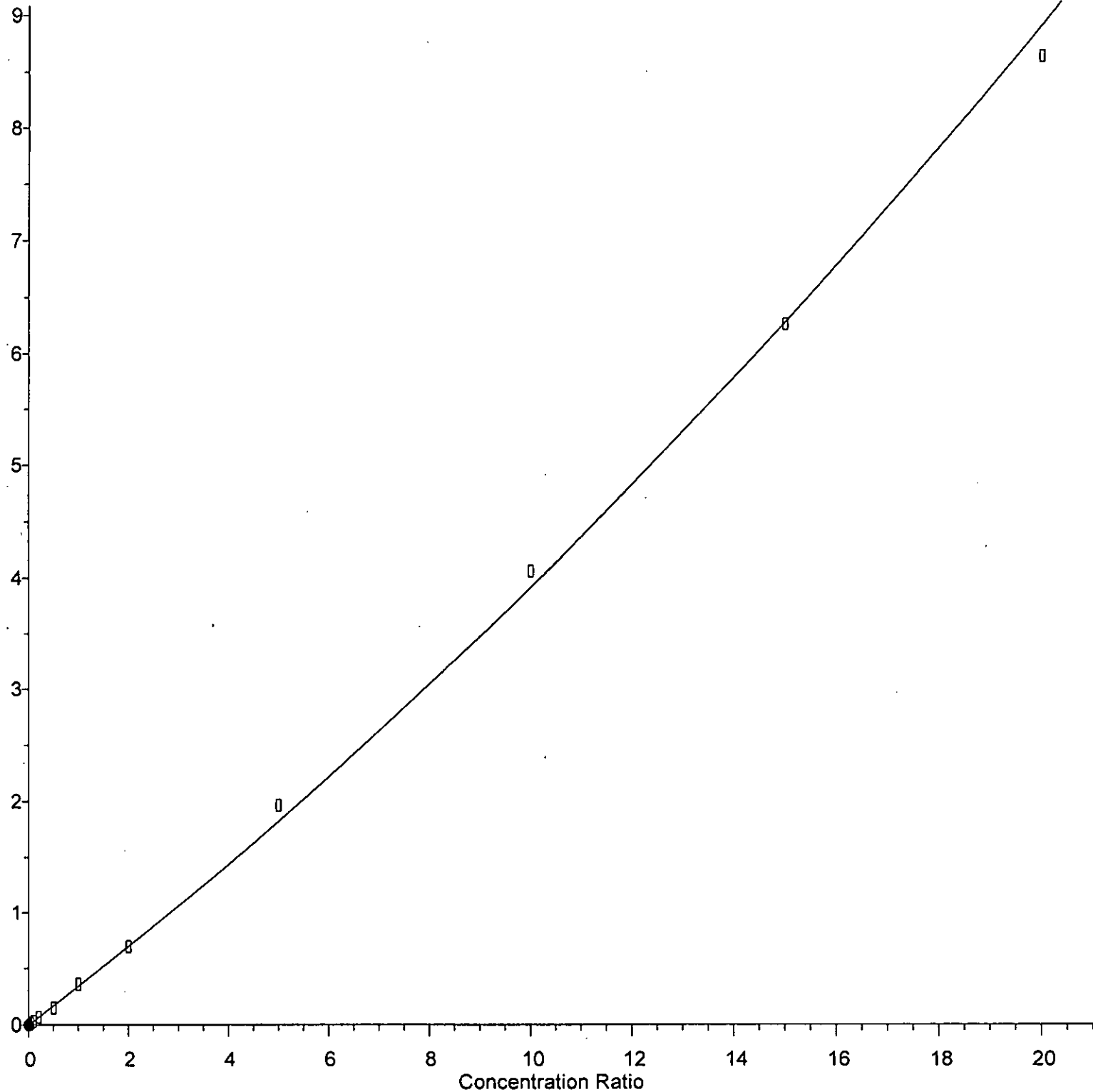
Response Ratio



$R = 3.961e-003 A^2 + 4.190e-001 A - 1.177e-003$
Coef of Det (r^2) = 0.995762 Curve Fit: Quadratic w(1/a^2)
Method Name: D:\Methods\Inst4\VB110822ms4.M
Calibration Table Last Updated: Tue Nov 08 16:47:05 2022

Bromoform

Response Ratio



$R = 5.456e-003 A^2 + 3.370e-001 A - 1.999e-004$
Coef of Det (r^2) = 0.996640 Curve Fit: Quadratic w(1/a^2)
Method Name: D:\Methods\Inst4\VB110822ms4.M
Calibration Table Last Updated: Tue Nov 08 16:47:05 2022

Method Path : D:\Methods\Inst4\
 Method File : V8110822ms4.M
 Title : 8260 Purge & Trap Volatiles
 Last Update : Tue Nov 08 16:47:05 2022
 Response Via : Initial Calibration

Calibration Files
 0.2 =110808.D 0.5 =110809.D 1 =110810.D 2 =110811.D 5 =110812.D 10 =110813.D 20 =110814.D 50 =110815.D 100 =110816.D 150 =110817.D
 200 =110818.D

Compound	0.2	0.5	1	2	5	10	20	50	100	150	200	Avg	%RSD	
-----ISTD-----														
1) I Fluorobenzene												0.000#	-1.00	
2) TMP Ethanol														
3) 5 Dibromofluorom...	0.273	0.268	0.278	0.271	0.282	0.277	0.271	0.274	0.278	0.277	0.275		1.54	
4) TMP Dichlorodifluo...	0.319	0.394	0.372	0.447	0.410	0.429	0.430	0.439	0.445	0.410			10.28	
5) TMP Chloromethane		0.425	0.341	0.401	0.358	0.372	0.380	0.376	0.385	0.380			6.79	
6) TMP Vinyl chloride	0.260	0.363	0.379	0.366	0.328	0.392	0.352	0.373	0.383	0.386	0.360		10.45	
7) TMP Bromomethane		0.175	0.222	0.143	0.174	0.142	0.155	0.161			0.168		16.44	
8) TMP Chloroethane		0.216	0.216	0.168	0.191	0.170	0.178	0.179	0.199	0.184	0.189		9.60	
9) TMP Trichlorofluor...		0.541	0.583	0.486	0.574	0.525	0.570	0.583	0.590	0.605	0.562		6.69	
10) TMP 2-Propanol												0.000	-1.00	
11) TMP Acetone					0.035	0.028	0.033	0.030	0.032	0.032	0.052	0.054	0.037	27.39
12) TMP 1,1-Dichloroet...	0.399	0.385	0.351	0.351	0.281	0.325	0.304	0.315	0.318	0.317	0.323	0.333	10.51	
13) TMP Hexane		0.418	0.388	0.306	0.342	0.313	0.335	0.335	0.329	0.370	0.348		10.52	
14) TMP Methylene chlo...			0.579	0.375	0.375	0.325	0.325	0.324	0.322	0.328	0.369		23.76	
15) TMP t-Butyl alcoho...		0.059	0.052	0.045	0.052	0.049	0.052	0.052	0.050	0.051	0.051		7.02	
16) TMP Methyl t-butyl...	0.895	1.025	1.018	1.041	0.851	0.990	0.912	0.965	0.980	0.994	1.015	0.971	6.22	
17) TMP trans-1,2-Dich...	0.440	0.353	0.383	0.363	0.299	0.347	0.317	0.340	0.343	0.343	0.353	0.353	10.24	
18) TMP Diisopropyl et...	0.950	0.948	0.962	0.925	0.753	0.872	0.821	0.876	0.885	0.891	0.890	0.889	6.88	
19) TMP 1,1-Dichloroet...	0.575	0.562	0.577	0.561	0.461	0.535	0.493	0.525	0.530	0.532	0.542	0.536	6.53	
20) TMP Ethyl t-butyl ...		0.428	0.460	0.451	0.371	0.430	0.397	0.428	0.432	0.427	0.426	0.425	5.92	
21) TMP 2,2-Dichloropr...		0.425	0.422	0.414	0.312	0.358	0.323	0.326	0.319	0.308	0.310	0.352	14.07	
22) TMP cis-1,2-Dichlo...	0.474	0.393	0.412	0.403	0.320	0.370	0.347	0.364	0.369	0.372	0.376	0.382	10.38	
23) TMP Chloroform		0.639	0.620	0.606	0.505	0.589	0.545	0.575	0.583	0.581	0.584	0.583	6.43	
24) TMP 2-Butanone (MEK)		0.223	0.193	0.184	0.154	0.173	0.161	0.175	0.177	0.206	0.214	0.186	12.12	
25) TMP t-Amyl methyl ...	0.998	0.991	0.985	1.031	0.825	0.975	0.899	0.965	0.977	0.965	0.987	0.964	5.78	
26) TMP 1,2-Dichloroet...	0.466	0.453	0.467	0.475	0.374	0.434	0.406	0.436	0.438	0.432	0.439	0.438	6.58	
27) TMP 1,1,1-Trichlor...	0.591	0.537	0.560	0.569	0.453	0.532	0.495	0.522	0.532	0.531	0.534	0.532	6.86	
28) TMP 1,1-Dichloropr...	0.496	0.469	0.482	0.468	0.382	0.438	0.406	0.438	0.448	0.447	0.458	0.448	7.30	
29) TMP Carbon tetrach...	0.498	0.491	0.504	0.496	0.395	0.471	0.446	0.477	0.495	0.493	0.505	0.479	6.82	
30) S 1,2-Dichloroet...	0.064	0.064	0.060	0.063	0.064	0.064	0.063	0.064	0.063	0.063	0.065	0.063	1.88	
31) TMP Benzene	1.428	1.356	1.336	1.391	1.075	1.258	1.159	1.273	1.289	1.278	1.300	1.286	7.81	
32) TMP Trichloroethene	0.432	0.410	0.392	0.374	0.307	0.357	0.325	0.352	0.358	0.391	0.405	0.373	10.13	
33) TMP 1,2-Dichloropr...	0.249	0.301	0.306	0.302	0.245	0.289	0.268	0.289	0.294	0.291	0.295	0.284	7.45	
34) TMP Bromodichlorom...	0.447	0.463	0.440	0.451	0.348	0.419	0.394	0.436	0.447	0.447	0.456	0.432	7.79	
35) S Toluene-d8	0.984	0.995	0.998	0.976	0.992	1.009	1.005	1.009	1.008	1.017	1.028	1.002	1.48	
36) TMP Dibromomethane	0.212	0.226	0.228	0.228	0.183	0.218	0.203	0.217	0.220	0.218	0.220	0.216	6.05	
37) TMP 4-Methyl-2-pen...	0.075	0.087	0.076	0.076	0.065	0.075	0.071	0.079	0.081	0.079	0.081	0.077	7.91	

Response Factor Report GCMS4

Method Path : D:\Methods\Inst4\
 Method File : VB110822ms4.M
 Title : 8260 Purge & Trap Volatiles
 38) TMP cis-1,3-Dichlo... 0.518 0.513 0.535 0.502 0.431 0.502 0.466 0.512 0.522 0.520 0.525 0.504 5.96

-----ISTD-----															
39) I	Chlorobenzene-d5														
40) TMP	Toluene	0.975	1.005	1.043	1.057	0.809	0.942	0.905	0.971	0.966	0.971	1.002	0.968	7.02	
41) TMP	trans-1,3-Dich...	0.596	0.538	0.592	0.555	0.470	0.546	0.519	0.559	0.570	0.563	0.573	0.553	6.39	
42) TMP	1,1,2-Trichlor...	0.321	0.290	0.320	0.316	0.252	0.287	0.270	0.292	0.293	0.288	0.294	0.293	7.11	
43) TMP	2-Hexanone				0.381	0.319	0.328	0.276	0.317	0.296	0.326	0.317	0.322	0.320	8.25
44) TMP	1,3-Dichloropr...	0.550	0.611	0.584	0.582	0.469	0.553	0.524	0.571	0.577	0.567	0.573	0.560	6.67	
45) TMP	Tetrachloroethene	0.420	0.451	0.458	0.472	0.369	0.419	0.403	0.430	0.433	0.431	0.452	0.431	6.62	
46) TMP	Dibromochlorom...	0.351	0.413	0.419	0.444	0.351	0.425	0.414	0.464	0.470	0.476	0.490	0.429	10.92	
47) TMP	1,2-Dibromoeth...	0.408	0.415	0.420	0.412	0.334	0.397	0.378	0.409	0.404	0.399	0.403	0.398	5.99	
48) TMP	Chlorobenzene	1.205	1.227	1.228	1.199	0.967	1.144	1.064	1.148	1.139	1.138	1.171	1.148	6.69	
49) TMP	Ethylbenzene	2.069	1.944	1.935	1.946	1.552	1.811	1.695	1.831	1.814	1.814	1.886	1.845	7.50	
50) TMP	1,1,1,2-Tetrac...	0.394	0.448	0.451	0.463	0.349	0.426	0.402	0.432	0.432	0.435	0.449	0.426	7.66	
51) TMP	m,p-Xylene	0.786	0.789	0.774	0.791	0.619	0.626	0.731	0.693	0.736	0.748	0.750	0.746	6.70	
52) TMP	o-Xylene	0.871	0.752	0.792	0.769	0.619	0.619	0.728	0.679	0.726	0.721	0.733	0.764	0.741	8.59
53) TMP	Styrene	1.252	1.267	1.277	1.364	1.086	1.264	1.172	1.257	1.286	1.335	1.335	1.258	5.93	
54) TMP	Isopropylbenzene	1.989	2.022	1.982	1.989	1.580	1.849	1.718	1.835	1.843	1.870	1.983	1.878	7.25	
55) TMP	Bromoform	0.337	0.309	0.335	0.345	0.299	0.360	0.348	0.393	0.406	0.418	0.432	0.362	12.23	

-----ISTD-----															
56) I	1,4-Dichlorobenzen...														
57) S	4-Bromofluorob...	0.718	0.712	0.724	0.698	0.705	0.702	0.697	0.697	0.694	0.699	0.668	0.701	2.09	
58) TMP	n-Propylbenzene	3.671	3.342	3.527	3.266	2.630	3.091	2.878	3.130	3.137	3.059	3.087	3.165	9.05	
59) TMP	Bromobenzene	0.937	0.952	1.027	0.987	0.794	0.921	0.849	0.922	0.920	0.887	0.878	0.916	6.98	
60) TMP	1,3,5-Trimethyl...	2.483	2.396	2.536	2.411	1.966	2.272	2.149	2.335	2.388	2.361	2.402	2.336	6.83	
61) TMP	1,1,2,2-Tetrac...	0.913	0.871	0.901	0.860	0.696	0.812	0.754	0.830	0.831	0.713	0.686	0.806	10.13	
62) TMP	1,2,3-Trichlor...	0.646	0.651	0.688	0.638	0.528	0.622	0.564	0.618	0.611	0.581	0.569	0.610	7.58	
63) TMP	2-Chlorotoluene	2.051	2.074	1.993	2.022	1.630	1.854	1.728	1.860	1.883	1.843	1.846	1.890	7.25	
64) TMP	4-Chlorotoluene	2.424	2.387	2.484	2.337	1.893	2.206	2.023	2.225	2.292	2.251	2.262	2.253	7.63	
65) TMP	tert-Butylbenzene	2.144	2.201	2.261	2.176	1.747	2.035	1.899	2.038	2.076	2.034	2.075	2.062	6.97	
66) TMP	1,2,4-Trimethyl...	2.585	2.635	2.693	2.567	2.041	2.360	2.201	2.384	2.437	2.406	2.455	2.433	7.87	
67) TMP	sec-Butylbenzene	2.987	2.846	3.042	2.882	2.335	2.707	2.537	2.748	2.797	2.735	2.840	2.769	7.17	
68) TMP	p-Isopropyltol...	2.589	2.666	2.836	2.653	2.100	2.457	2.292	2.500	2.558	2.504	2.627	2.526	7.81	
69) TMP	1,3-Dichlorobe...	1.789	1.662	1.772	1.715	1.374	1.615	1.489	1.597	1.629	1.597	1.626	1.624	7.32	
70) TMP	1,4-Dichlorobe...	1.798	1.773	1.834	1.803	1.421	1.646	1.520	1.637	1.666	1.654	1.676	1.675	7.49	
71) TMP	1,2-Dichlorobe...	1.698	1.630	1.775	1.682	1.329	1.573	1.466	1.569	1.615	1.593	1.615	1.595	7.45	
72) TMP	1,2-Dibromo-3-...				0.180	0.153	0.139	0.169	0.157	0.173	0.181	0.175	0.177	0.167	8.59
73) TMP	1,2,4-Trichlor...	1.174	1.309	1.347	1.261	1.076	1.179	1.123	1.218	1.236	1.128	1.204	1.200	7.52	
74) TMP	Hexachlorobuta...	0.422	0.523	0.529	0.486	0.418	0.440	0.434	0.468	0.473	0.419	0.477	0.463	8.56	
75) TMP	Naphthalene	2.729	3.048	3.230	3.055	2.536	2.962	2.804	3.092	3.133	2.900	3.034	2.957	6.79	
76) TMP	1,2,3-Trichlor...	1.065	1.217	1.264	1.224	0.969	1.139	1.064	1.168	1.179	1.057	1.150	1.136	7.78	

(#) = Out of Range

GC/MS QA-QC Check Report

Tune File : D:\Proc_GCMS4\11-08-22\110806.D

Tune Time : 8 Nov 2022 11:14 am

Daily Calibration File : D:\Proc_GCMS4\11-08-22\110813.D

(DMF) (DHL) (TOL) (BFB)

86139 72870 48476

File	Sample	Surrogate Recovery %					Internal Standard Responses		
110808.D	0.2 ppb 82	101	100	98	102	89075	74574	48941	
110809.D	0.5 ppb 82	99	101	99	102	90028	74657	50024	
110810.D	1 ppb 8260	97	95	100	103	88603	74537	47526	
110811.D	2 ppb 8260	101	100	97	100	88402	71977	47903	
110812.D	5 ppb 8260	98	101	99	100	89475	75227	49685	
110813.D	10 ppb 826	102	101	101	100	86139	72870	48476	
110814.D	20 ppb 826	101	100	100	99	89724	75215	49913	
110815.D	50 ppb 826	99	101	101	99	90079	76555	49605	
110816.D	100 ppb 82	100	99	101	99	90209	77727	50521	
110817.D	150 ppb 82	101	100	101	100	87265	74546	50457	
110818.D	200 ppb 82	101	103	103	95	87283	73762	52648	
110820.D	10 ppb 826	102	101	99	96	83510	70248	47550	

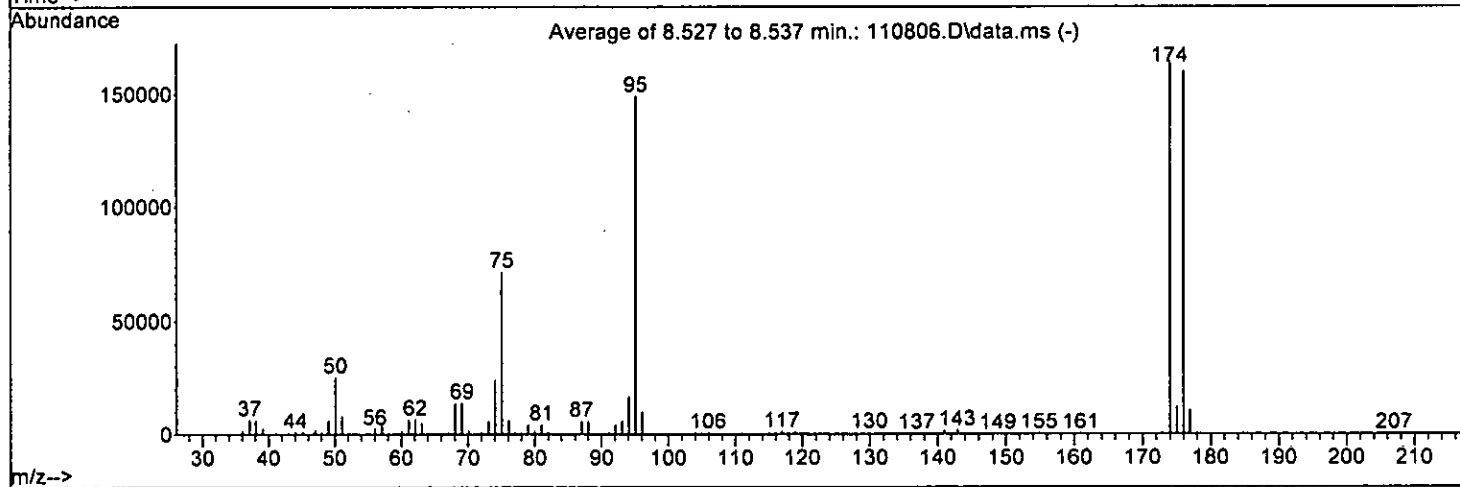
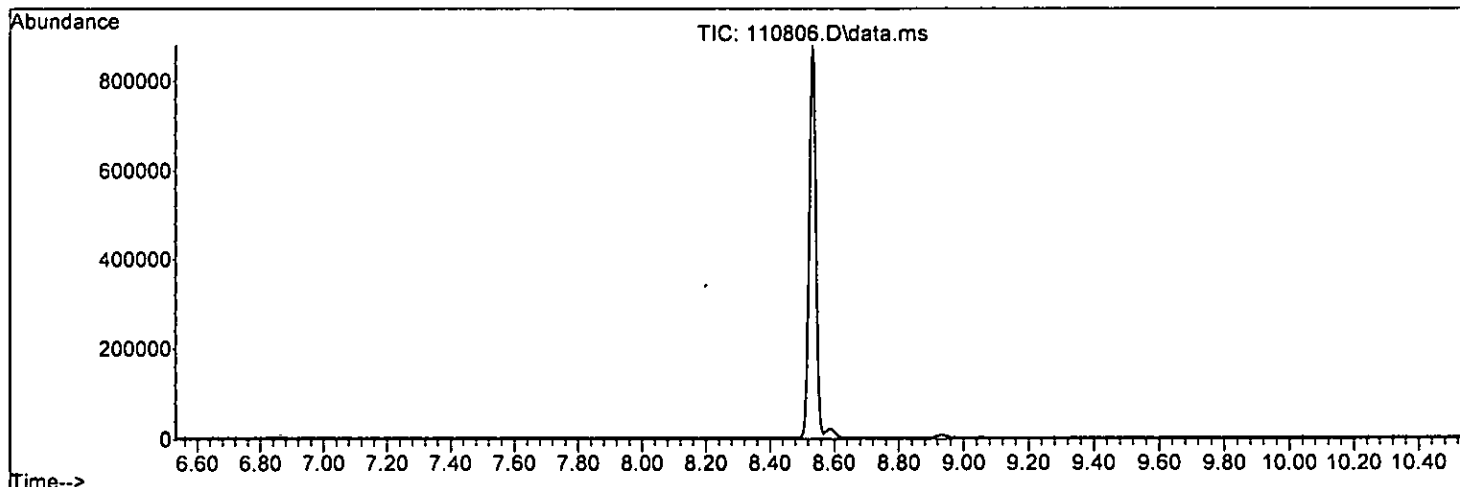
(fails) - fails 12hr time check * - fails criteria

Created: Tue Nov 08 17:33:41 2022 GCMS4

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110806.D
 Acq On : 8 Nov 2022 11:14 am
 Operator : LM
 Sample : 50 ng 8FB 67-152A
 Misc : direct inject
 ALS Vial : 100 Sample Multiplier: 1

Integration File: LSCINT.P

Method : D:\Methods\Inst4\VB110822ms4.M
 Title : 8260 Purge & Trap Volatiles
 Last Update : Tue Nov 08 16:47:05 2022



AutoFind: Scans 1519, 1520, 1521; Background Corrected with Scan 1510

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
95	174	50	200	90.7	149152	PASS
96	95	5	9	6.7	10011	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	200	110.2	164392	PASS
175	174	5	9	7.5	12251	PASS
176	174	95	105	97.4	160173	PASS
177	176	5	10	6.6	10611	PASS

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110808.D
 Acq On : 8 Nov 2022 12:05 pm
 Operator : LM
 Sample : 0.2 ppb 8260 ICAL 67-177I
 Misc : soil/water
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:29 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2 TMP	Ethanol	-1.000	0.000	0.0	0	-1.07#
3 S	Dibromofluoromethane	-1.000	10.087	0.0	0	0.00
4 TMP	Dichlorodifluoromethane	-1.000	0.000	0.0	0	-1.17#
5 TMP	Chloromethane	-1.000	0.000	0.0	0	-1.31#
6 TMP	Vinyl chloride	0.200	0.145	27.5#	100	0.01
7 TMP	Bromomethane	-1.000	0.000	0.0	0	-1.62#
8 TMP	Chloroethane	-1.000	0.000	0.0	0	-1.70#
9 TMP	Trichlorofluoromethane	-1.000	0.000	0.0	0	-1.90#
10 TMP	2-Propanol	-1.000	0.000	0.0	0	-2.99#
11 TMP	Acetone	-1.000	-1.000	0.0	0	0.00
12 TMP	1,1-Dichloroethene	0.200	0.239	-19.5	100	0.00
13 TMP	Hexane	-1.000	0.000	0.0	0	-3.21#
14 TMP	Methylene chloride	-1.000	-0.128	0.0	0	0.00
15 TMP	t-Butyl alcohol (TBA)	-1.000	0.000	0.0	0	-2.87#
16 TMP	Methyl t-butyl ether (MTBE)	0.200	0.184	8.0	100	0.00
17 TMP	trans-1,2-Dichloroethene	0.200	0.249	-24.5#	100	0.00
18 TMP	Diisopropyl ether (DIPE)	0.200	0.214	-7.0	100	0.00
19 TMP	1,1-Dichloroethane	0.200	0.215	-7.5	100	0.00
20 TMP	Ethyl t-butyl ether (ETBE)	-1.000	0.000	0.0	0	-3.71#
21 TMP	2,2-Dichloropropane	-1.000	0.000	0.0	0	-3.81#
22 TMP	cis-1,2-Dichloroethene	0.200	0.248	-24.0#	100	0.00
23 TMP	Chloroform	-1.000	0.000	0.0	0	-4.08#
24 TMP	2-Butanone (MEK)	-1.000	0.000	0.0	0	-3.83#
25 TMP	t-Amyl methyl ether (TAME)	0.200	0.207	-3.5	100	0.00
26 TMP	1,2-Dichloroethane (EDC)	0.200	0.213	-6.5	100	0.00
27 TMP	1,1,1-Trichloroethane	0.200	0.222	-11.0	100	0.00
28 TMP	1,1-Dichloropropene	0.200	0.221	-10.5	100	0.00
29 TMP	Carbon tetrachloride	0.200	0.208	-4.0	100	0.00
30 S	1,2-Dichloroethane-d4	10.000	10.040	-0.4	100	0.00
31 TMP	Benzene	0.200	0.222	-11.0	100	0.00
32 TMP	Trichloroethene	0.200	0.232	-16.0	100	0.00
33 TMP	1,2-Dichloropropane	0.200	0.175	12.5	100	0.00
34 TMP	Bromodichloromethane	0.200	0.207	-3.5	100	0.00
35 S	Toluene-d8	10.000	9.823	1.8	100	0.00
36 TMP	Dibromomethane	0.200	0.196	2.0	100	0.00
37 TMP	4-Methyl-2-pentanone	-1.000	0.000	0.0	0	-6.05#
38 TMP	cis-1,3-Dichloropropene	0.200	0.205	-2.5	100	0.00
39 I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40 TMP	Toluene	0.200	0.201	-0.5	100	0.00
41 TMP	trans-1,3-Dichloropropene	0.200	0.216	-8.0	100	0.00
42 TMP	1,1,2-Trichloroethane	0.200	0.219	-9.5	100	0.00
43 TMP	2-Hexanone	-1.000	0.000	0.0	0	-6.79#

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110808.D
 Acq On : 8 Nov 2022 12:05 pm
 Operator : LM
 Sample : 0.2 ppb 8260 ICAL 67-177I
 Misc : soil/water
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:29 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.200	0.197	1.5	100	0.00
45 TMP Tetrachloroethene	0.200	0.195	2.5	100	0.00
46 TMP Dibromochloromethane	0.200	0.195	2.5	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	0.200	0.205	-2.5	100	0.00
48 TMP Chlorobenzene	0.200	0.210	-5.0	100	0.00
49 TMP Ethylbenzene	0.200	0.224	-12.0	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.200	0.185	7.5	100	0.00
51 TMP m,p-Xylene	0.400	0.422	-5.5	100	0.00
52 TMP o-Xylene	0.200	0.235	-17.5	100	0.00
53 TMP Styrene	0.200	0.199	0.5	100	0.00
54 TMP Isopropylbenzene	0.200	0.212	-6.0	100	0.00
55 TMP Bromoform	0.200	0.206	-3.0	100	0.00
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	10.000	10.238	-2.4	100	0.00
58 TMP n-Propylbenzene	0.200	0.232	-16.0	100	0.00
59 TMP Bromobenzene	0.200	0.205	-2.5	100	0.00
60 TMP 1,3,5-Trimethylbenzene	0.200	0.213	-6.5	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.200	0.227	-13.5	100	0.00
62 TMP 1,2,3-Trichloropropane	0.200	0.212	-6.0	100	0.00
63 TMP 2-Chlorotoluene	0.200	0.217	-8.5	100	0.00
64 TMP 4-Chlorotoluene	0.200	0.215	-7.5	100	0.00
65 TMP tert-Butylbenzene	0.200	0.208	-4.0	100	0.00
66 TMP 1,2,4-Trimethylbenzene	0.200	0.212	-6.0	100	0.00
67 TMP sec-Butylbenzene	0.200	0.216	-8.0	100	0.00
68 TMP p-Isopropyltoluene	0.200	0.205	-2.5	100	0.00
69 TMP 1,3-Dichlorobenzene	0.200	0.220	-10.0	100	0.00
70 TMP 1,4-Dichlorobenzene	0.200	0.215	-7.5	100	0.00
71 TMP 1,2-Dichlorobenzene	0.200	0.213	-6.5	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	-1.000	0.000	0.0	0	-10.80#
73 TMP 1,2,4-Trichlorobenzene	0.200	0.196	2.0	100	0.00
74 TMP Hexachlorobutadiene	0.200	0.182	9.0	100	0.00
75 TMP Naphthalene	0.200	0.185	7.5	100	0.00
76 TMP 1,2,3-Trichlorobenzene	0.200	0.187	6.5	100	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110808.D
 Acq On : 8 Nov 2022 12:05 pm
 Operator : LM
 Sample : 0.2 ppb 8260 ICAL 67-177I
 Misc : soil/water
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:29 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I Fluorobenzene	1.000	1.000	0.0	100	0.00
2 TMP Ethanol	0.000	0.000#	0.0	0#	-1.07#
3 S Dibromofluoromethane	0.275	0.000	100.0#	0#	0.00
4 TMP Dichlorodifluoromethane	0.410	0.000#	100.0#	0#	-1.17#
5 TMP Chloromethane	0.380	0.000#	100.0#	0#	-1.31#
6 TMP Vinyl chloride	0.360	0.260	27.8#	100	0.01
7 TMP Bromomethane	0.168	0.000#	100.0#	0#	-1.62#
8 TMP Chloroethane	0.189	0.000#	100.0#	0#	-1.70#
9 TMP Trichlorofluoromethane	0.562	0.000#	100.0#	0#	-1.90#
10 TMP 2-Propanol	0.000	0.000	0.0	0#	-2.99#
11 TMP Acetone	0.037	0.000#	100.0#	0#	0.00
12 TMP 1,1-Dichloroethene	0.333	0.399	-19.8	100	0.00
13 TMP Hexane	0.348	0.000#	100.0#	0#	-3.21#
14 TMP Methylene chloride	0.369	0.000#	100.0#	0#	0.00
15 TMP t-Butyl alcohol (TBA)	0.051	0.000#	100.0#	0#	-2.87#
16 TMP Methyl t-butyl ether (MTBE)	0.971	0.895	7.8	100	0.00
17 TMP trans-1,2-Dichloroethene	0.353	0.440	-24.6#	100	0.00
18 TMP Diisopropyl ether (DIPE)	0.889	0.950	-6.9	100	0.00
19 TMP 1,1-Dichloroethane	0.536	0.575	-7.3	100	0.00
20 TMP Ethyl t-butyl ether (ETBE)	0.425	0.000#	100.0#	0#	-3.71#
21 TMP 2,2-Dichloropropane	0.352	0.000#	100.0#	0#	-3.81#
22 TMP cis-1,2-Dichloroethene	0.382	0.474	-24.1#	100	0.00
23 TMP Chloroform	0.583	0.000#	100.0#	0#	-4.08#
24 TMP 2-Butanone (MEK)	0.186	0.000#	100.0#	0#	-3.83#
25 TMP t-Amyl methyl ether (TAME)	0.964	0.998	-3.5	100	0.00
26 TMP 1,2-Dichloroethane (EDC)	0.438	0.466	-6.4	100	0.00
27 TMP 1,1,1-Trichloroethane	0.532	0.591	-11.1	100	0.00
28 TMP 1,1-Dichloropropene	0.448	0.496	-10.7	100	0.00
29 TMP Carbon tetrachloride	0.479	0.498	-4.0	100	0.00
30 S 1,2-Dichloroethane-d4	0.063	0.064	-1.6	100	0.00
31 TMP Benzene	1.286	1.428	-11.0	100	0.00
32 TMP Trichloroethene	0.373	0.432	-15.8	100	0.00
33 TMP 1,2-Dichloropropane	0.284	0.249	12.3	100	0.00
34 TMP Bromodichloromethane	0.432	0.447	-3.5	100	0.00
35 S Toluene-d8	1.002	0.984	1.8	100	0.00
36 TMP Dibromomethane	0.216	0.212	1.9	100	0.00
37 TMP 4-Methyl-2-pentanone	0.077	0.000#	100.0#	0#	-6.05#
38 TMP cis-1,3-Dichloropropene	0.504	0.518	-2.8	100	0.00
39 I Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40 TMP Toluene	0.968	0.975	-0.7	100	0.00
41 TMP trans-1,3-Dichloropropene	0.553	0.596	-7.8	100	0.00
42 TMP 1,1,2-Trichloroethane	0.293	0.321	-9.6	100	0.00
43 TMP 2-Hexanone	0.320	0.000#	100.0#	0#	-6.79#

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110808.D
 Acq On : 8 Nov 2022 12:05 pm
 Operator : LM
 Sample : 0.2 ppb 8260 ICAL 67-177I
 Misc : soil/water
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:29 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.560	0.550	1.8	100	0.00
45 TMP Tetrachloroethene	0.431	0.420	2.6	100	0.00
46 TMP Dibromochloromethane	0.429	0.351	18.2	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	0.398	0.408	-2.5	100	0.00
48 TMP Chlorobenzene	1.148	1.205	-5.0	100	0.00
49 TMP Ethylbenzene	1.845	2.069	-12.1	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.426	0.394	7.5	100	0.00
51 TMP m,p-Xylene	0.746	0.786	-5.4	100	0.00
52 TMP o-Xylene	0.741	0.871	-17.5	100	0.00
53 TMP Styrene	1.258	1.252	0.5	100	0.00
54 TMP Isopropylbenzene	1.878	1.989	-5.9	100	0.00
55 TMP Bromoform	0.362	0.337	6.9	100	0.00
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	0.701	0.718	-2.4	100	0.00
58 TMP n-Propylbenzene	3.165	3.671	-16.0	100	0.00
59 TMP Bromobenzene	0.916	0.937	-2.3	100	0.00
60 TMP 1,3,5-Trimethylbenzene	2.336	2.483	-6.3	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.806	0.913	-13.3	100	0.00
62 TMP 1,2,3-Trichloropropane	0.610	0.646	-5.9	100	0.00
63 TMP 2-Chlorotoluene	1.890	2.051	-8.5	100	0.00
64 TMP 4-Chlorotoluene	2.253	2.424	-7.6	100	0.00
65 TMP tert-Butylbenzene	2.062	2.144	-4.0	100	0.00
66 TMP 1,2,4-Trimethylbenzene	2.433	2.585	-6.2	100	0.00
67 TMP sec-Butylbenzene	2.769	2.987	-7.9	100	0.00
68 TMP p-Isopropyltoluene	2.526	2.589	-2.5	100	0.00
69 TMP 1,3-Dichlorobenzene	1.624	1.789	-10.2	100	0.00
70 TMP 1,4-Dichlorobenzene	1.675	1.798	-7.3	100	0.00
71 TMP 1,2-Dichlorobenzene	1.595	1.698	-6.5	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	0.167	0.000#	100.0#	0#	-10.80#
73 TMP 1,2,4-Trichlorobenzene	1.200	1.174	2.2	100	0.00
74 TMP Hexachlorobutadiene	0.463	0.422	8.9	100	0.00
75 TMP Naphthalene	2.957	2.729	7.7	100	0.00
76 TMP 1,2,3-Trichlorobenzene	1.136	1.065	6.2	100	0.00

(#) = Out of Range

SPCC's out = 17 CCC's out = 0

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110808.D
 Acq On : 8 Nov 2022 12:05 pm
 Operator : LM
 Sample : 0.2 ppb 8260 ICAL 67-177I
 Misc : soil/water
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:29 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.78	96	89075	10.000	ppb	0.00
39) Chlorobenzene-d5	7.44	117	74574	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.65	152	48941	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.21	113	24699	10.087	ppb	0.00
Spiked Amount	10.000	Range 0 - 1000	Recovery	= 100.90%		
30) 1,2-Dichloroethane-d4	4.49	102	5678	10.040	ppb	0.00
Spiked Amount	10.000	Range 90 - 109	Recovery	= 100.40%		
35) Toluene-d8	6.14	98	87650	9.823	ppb	0.00
Spiked Amount	10.000	Range 89 - 112	Recovery	= 98.20%		
57) 4-Bromofluorobenzene	8.54	95	35138	10.238	ppb	0.00
Spiked Amount	10.000	Range 84 - 115	Recovery	= 102.40%		
Target Compounds						
2) Ethanol	0.00		0	N.D.	d	
4) Dichlorodifluoromethane	0.00		0	N.D.	d	
5) Chloromethane	0.00		0	N.D.	d	
6) Vinyl chloride	1.41	62	464	0.145	ppb #	43
7) Bromomethane	0.00		0	N.D.	d	
8) Chloroethane	0.00		0	N.D.	d	
9) Trichlorofluoromethane	0.00		0	N.D.	d	
10) 2-Propanol	0.00		0	N.D.		
11) Acetone	2.38	58	328	Below Cal	#	38
12) 1,1-Dichloroethene	2.33	96	710	0.239	ppb #	78
13) Hexane	0.00		0	N.D.	d	
14) Methylene chloride	2.74	84	4126	Below Cal		82
15) t-Butyl alcohol (TBA)	0.00		0	N.D.	d	
16) Methyl t-butyl ether (...)	2.99	73	1594	0.184	ppb	87
17) trans-1,2-Dichloroethene	2.97	96	783	0.249	ppb #	56
18) Diisopropyl ether (DIPE)	3.40	45	1692	0.214	ppb	88
19) 1,1-Dichloroethane	3.32	63	1024	0.215	ppb	77
20) Ethyl t-butyl ether (E...)	0.00		0	N.D.	d	
21) 2,2-Dichloropropane	0.00		0	N.D.	d	
22) cis-1,2-Dichloroethene	3.81	96	845	0.248	ppb #	66
23) Chloroform	0.00		0	N.D.	d	
24) 2-Butanone (MEK)	0.00		0	N.D.	d	
25) t-Amyl methyl ether (T...)	4.66	73	1778	0.207	ppb	87
26) 1,2-Dichloroethane (EDC)	4.56	62	830	0.213	ppb	77
27) 1,1,1-Trichloroethane	4.23	97	1052	0.222	ppb	88
28) 1,1-Dichloropropene	4.37	75	883	0.221	ppb	77
29) Carbon tetrachloride	4.37	117	888	0.208	ppb	98
31) Benzene	4.54	78	2544	0.222	ppb	100
32) Trichloroethene	5.09	95	770	0.232	ppb	89
33) 1,2-Dichloropropane	5.28	63	443	0.175	ppb	89
34) Bromodichloromethane	5.51	83	797	0.207	ppb	83
36) Dibromomethane	5.37	93	377	0.196	ppb #	69

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110808.D
 Acq On : 8 Nov 2022 12:05 pm
 Operator : LM
 Sample : 0.2 ppb 8260 ICAL 67-177I
 Misc : soil/water
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS4

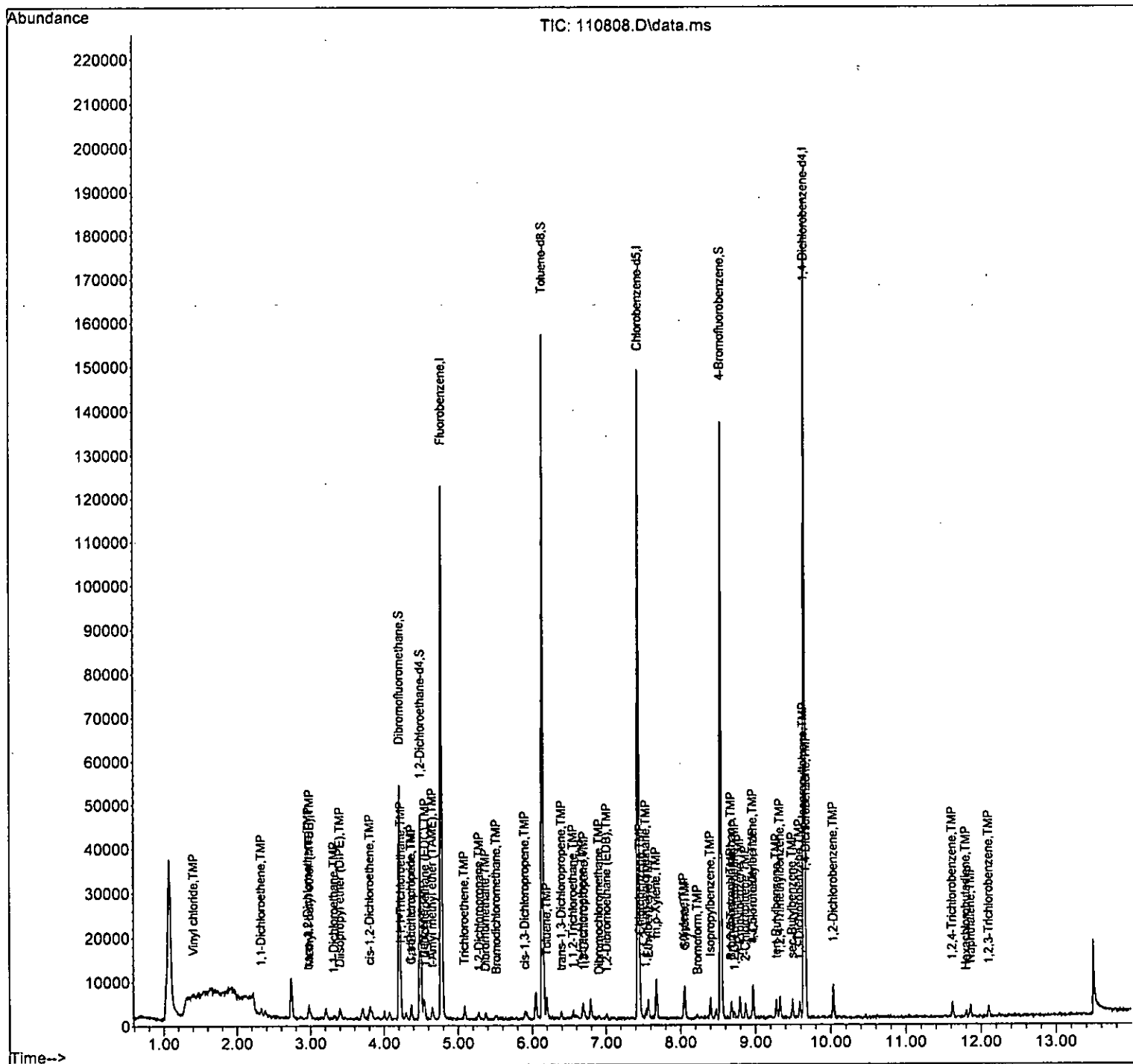
Quant Time: Nov 08 16:47:29 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.00		0	N.D.	d	
38) cis-1,3-Dichloropropene	5.90	75	922	0.205	ppb	77
40) Toluene	6.20	92	1454	0.201	ppb	94
41) trans-1,3-Dichloropropene	6.39	75	889	0.216	ppb	85
42) 1,1,2-Trichloroethane	6.55	83	479	0.219	ppb #	76
43) 2-Hexanone	0.00		0	N.D.	d	
44) 1,3-Dichloropropane	6.70	76	821	0.197	ppb	66
45) Tetrachloroethene	6.68	164	626	0.195	ppb	86
46) Dibromochloromethane	6.91	129	523	0.195	ppb	95
47) 1,2-Dibromoethane (EDB)	7.01	107	609	0.205	ppb	86
48) Chlorobenzene	7.46	112	1797	0.210	ppb	89
49) Ethylbenzene	7.57	91	3086	0.224	ppb	92
50) 1,1,1,2-Tetrachloroethane	7.54	131	587	0.185	ppb	90
51) m,p-Xylene	7.67	106	2346	0.422	ppb #	66
52) o-Xylene	8.05	106	1299	0.235	ppb #	74
53) Styrene	8.06	104	1868	0.199	ppb	89
54) Isopropylbenzene	8.40	105	2966	0.212	ppb	99
55) Bromoform	8.23	173	503	0.206	ppb #	37
58) n-Propylbenzene	8.79	91	3593	0.232	ppb	99
59) Bromobenzene	8.68	156	917	0.205	ppb	77
60) 1,3,5-Trimethylbenzene	8.97	105	2430	0.213	ppb	91
61) 1,1,2,2-Tetrachloroethane	8.68	83	894	0.227	ppb	86
62) 1,2,3-Trichloropropane	8.72	75	632	0.212	ppb	71
63) 2-Chlorotoluene	8.87	91	2008	0.217	ppb	90
64) 4-Chlorotoluene	8.97	91	2373	0.215	ppb	85
65) tert-Butylbenzene	9.28	119	2099	0.208	ppb	77
66) 1,2,4-Trimethylbenzene	9.33	105	2530	0.212	ppb	76
67) sec-Butylbenzene	9.49	105	2924	0.216	ppb	96
68) p-Isopropyltoluene	9.64	119	2534	0.205	ppb	95
69) 1,3-Dichlorobenzene	9.59	146	1751	0.220	ppb	88
70) 1,4-Dichlorobenzene	9.67	146	1760	0.215	ppb	89
71) 1,2-Dichlorobenzene	10.04	146	1662	0.213	ppb	88
72) 1,2-Dibromo-3-chloropr...	0.00		0	N.D.		
73) 1,2,4-Trichlorobenzene	11.62	180	1149	0.196	ppb #	72
74) Hexachlorobutadiene	11.80	225	413	0.182	ppb	89
75) Naphthalene	11.86	128	2671	0.185	ppb	95
76) 1,2,3-Trichlorobenzene	12.10	180	1042	0.187	ppb	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110808.D
 Acq On : 8 Nov 2022 12:05 pm
 Operator : LM
 Sample : 0.2 ppb 8260 ICAL 67-177I
 Misc : soil/water
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:29 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110809.D
 Acq On : 8 Nov 2022 12:29 pm
 Operator : LM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 7 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:31 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I Fluorobenzene	10.000	10.000	0.0	100	0.00
2 TMP Ethanol	-1.000	0.000	0.0	0	-1.07#
3 S Dibromofluoromethane	10.000	9.929	0.7	100	0.00
4 TMP Dichlorodifluoromethane	-1.000	0.000	0.0	0	-1.17#
5 TMP Chloromethane	-1.000	0.000	0.0	0	-1.31#
6 TMP Vinyl chloride	0.500	0.504	-0.8	100	0.00
7 TMP Bromomethane	-1.000	0.000	0.0	0	-1.62#
8 TMP Chloroethane	-1.000	0.000	0.0	0	-1.70#
9 TMP Trichlorofluoromethane	-1.000	0.000	0.0	0	-1.90#
10 TMP 2-Propanol	-1.000	0.000	0.0	0	-2.99#
11 TMP Acetone	-1.000	-1.000	0.0	0	0.00
12 TMP 1,1-Dichloroethene	0.500	0.578	-15.6	100	0.00
13 TMP Hexane	-1.000	0.000	0.0	0	-3.21#
14 TMP Methylene chloride	-1.000	0.000	0.0	0	-2.73#
15 TMP t-Butyl alcohol (TBA)	-1.000	0.000	0.0	0	-2.87#
16 TMP Methyl t-butyl ether (MTBE)	0.500	0.527	-5.4	100	0.00
17 TMP trans-1,2-Dichloroethene	0.500	0.501	-0.2	100	0.00
18 TMP Diisopropyl ether (DIPE)	0.500	0.534	-6.8	100	0.00
19 TMP 1,1-Dichloroethane	0.500	0.525	-5.0	100	0.00
20 TMP Ethyl t-butyl ether (ETBE)	0.500	0.504	-0.8	100	0.00
21 TMP 2,2-Dichloropropane	0.500	0.469	6.2	100	0.00
22 TMP cis-1,2-Dichloroethene	0.500	0.514	-2.8	100	0.00
23 TMP Chloroform	0.500	0.539	-7.8	100	0.00
24 TMP 2-Butanone (MEK)	2.500	2.998	-19.9	100	0.00
25 TMP t-Amyl methyl ether (TAME)	0.500	0.514	-2.8	100	0.00
26 TMP 1,2-Dichloroethane (EDC)	0.500	0.516	-3.2	100	0.00
27 TMP 1,1,1-Trichloroethane	0.500	0.504	-0.8	100	0.00
28 TMP 1,1-Dichloropropane	0.500	0.523	-4.6	100	0.00
29 TMP Carbon tetrachloride	0.500	0.512	-2.4	100	0.00
30 S 1,2-Dichloroethane-d4	10.000	10.089	-0.9	100	0.00
31 TMP Benzene	0.500	0.527	-5.4	100	0.00
32 TMP Trichloroethene	0.500	0.550	-10.0	100	0.00
33 TMP 1,2-Dichloropropane	0.500	0.530	-6.0	100	0.00
34 TMP Bromodichloromethane	0.500	0.537	-7.4	100	0.00
35 S Toluene-d8	10.000	9.929	0.7	100	0.00
36 TMP Dibromomethane	0.500	0.524	-4.8	100	0.00
37 TMP 4-Methyl-2-pentanone	2.500	2.431	2.8	100	0.00
38 TMP cis-1,3-Dichloropropene	0.500	0.509	-1.8	100	0.00
39 I Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40 TMP Toluene	0.500	0.519	-3.8	100	0.00
41 TMP trans-1,3-Dichloropropene	0.500	0.487	2.6	100	0.00
42 TMP 1,1,2-Trichloroethane	0.500	0.495	1.0	100	0.00
43 TMP 2-Hexanone	2.500	2.970	-18.8	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110809.D
 Acq On : 8 Nov 2022 12:29 pm
 Operator : LM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 7 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:31 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.500	0.546	-9.2	100	0.00
45 TMP Tetrachloroethene	0.500	0.524	-4.8	100	0.00
46 TMP Dibromochloromethane	0.500	0.521	-4.2	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	0.500	0.521	-4.2	100	0.00
48 TMP Chlorobenzene	0.500	0.534	-6.8	100	0.00
49 TMP Ethylbenzene	0.500	0.527	-5.4	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.500	0.526	-5.2	100	0.00
51 TMP m,p-Xylene	1.000	1.057	-5.7	100	0.00
52 TMP o-Xylene	0.500	0.507	-1.4	100	0.00
53 TMP Styrene	0.500	0.504	-0.8	100	0.00
54 TMP Isopropylbenzene	0.500	0.538	-7.6	100	0.00
55 TMP Bromoform	0.500	0.464	7.2	100	0.00
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	10.000	10.159	-1.6	100	0.00
58 TMP n-Propylbenzene	0.500	0.528	-5.6	100	0.00
59 TMP Bromobenzene	0.500	0.520	-4.0	100	0.00
60 TMP 1,3,5-Trimethylbenzene	0.500	0.513	-2.6	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.500	0.540	-8.0	100	0.00
62 TMP 1,2,3-Trichloropropane	0.500	0.533	-6.6	100	0.00
63 TMP 2-Chlorotoluene	0.500	0.549	-9.8	100	0.00
64 TMP 4-Chlorotoluene	0.500	0.530	-6.0	100	0.00
65 TMP tert-Butylbenzene	0.500	0.534	-6.8	100	0.00
66 TMP 1,2,4-Trimethylbenzene	0.500	0.542	-8.4	100	0.00
67 TMP sec-Butylbenzene	0.500	0.514	-2.8	100	0.00
68 TMP p-Isopropyltoluene	0.500	0.528	-5.6	100	0.00
69 TMP 1,3-Dichlorobenzene	0.500	0.512	-2.4	100	0.00
70 TMP 1,4-Dichlorobenzene	0.500	0.529	-5.8	100	0.00
71 TMP 1,2-Dichlorobenzene	0.500	0.511	-2.2	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	-1.000	0.000	0.0	0	-10.80#
73 TMP 1,2,4-Trichlorobenzene	0.500	0.545	-9.0	100	0.00
74 TMP Hexachlorobutadiene	0.500	0.565	-13.0	100	0.00
75 TMP Naphthalene	0.500	0.515	-3.0	100	0.00
76 TMP 1,2,3-Trichlorobenzene	0.500	0.536	-7.2	100	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110809.D
 Acq On : 8 Nov 2022 12:29 pm
 Operator : LM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 7 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:31 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2 TMP	Ethanol	0.000	0.000#	0.0	0#	-1.07#
3 S	Dibromofluoromethane	0.275	0.273	0.7	100	0.00
4 TMP	Dichlorodifluoromethane	0.410	0.000#	100.0#	0#	-1.17#
5 TMP	Chloromethane	0.380	0.000#	100.0#	0#	-1.31#
6 TMP	Vinyl chloride	0.360	0.363	-0.8	100	0.00
7 TMP	Bromomethane	0.168	0.000#	100.0#	0#	-1.62#
8 TMP	Chloroethane	0.189	0.000#	100.0#	0#	-1.70#
9 TMP	Trichlorofluoromethane	0.562	0.000#	100.0#	0#	-1.90#
10 TMP	2-Propanol	0.000	0.000	0.0	0#	-2.99#
11 TMP	Acetone	0.037	0.000#	100.0#	0#	0.00
12 TMP	1,1-Dichloroethene	0.333	0.385	-15.6	100	0.00
13 TMP	Hexane	0.348	0.000#	100.0#	0#	-3.21#
14 TMP	Methylene chloride	0.369	0.000#	100.0#	0#	-2.73#
15 TMP	t-Butyl alcohol (TBA)	0.051	0.000#	100.0#	0#	-2.87#
16 TMP	Methyl t-butyl ether (MTBE)	0.971	1.025	-5.6	100	0.00
17 TMP	trans-1,2-Dichloroethene	0.353	0.353	0.0	100	0.00
18 TMP	Diisopropyl ether (DIPE)	0.889	0.948	-6.6	100	0.00
19 TMP	1,1-Dichloroethane	0.536	0.562	-4.9	100	0.00
20 TMP	Ethyl t-butyl ether (ETBE)	0.425	0.428	-0.7	100	0.00
21 TMP	2,2-Dichloropropane	0.352	0.425	-20.7#	100	0.00
22 TMP	cis-1,2-Dichloroethene	0.382	0.393	-2.9	100	0.00
23 TMP	Chloroform	0.583	0.639	-9.6	100	0.00
24 TMP	2-Butanone (MEK)	0.186	0.223	-19.9	100	0.00
25 TMP	t-Amyl methyl ether (TAME)	0.964	0.991	-2.8	100	0.00
26 TMP	1,2-Dichloroethane (EDC)	0.438	0.453	-3.4	100	0.00
27 TMP	1,1,1-Trichloroethane	0.532	0.537	-0.9	100	0.00
28 TMP	1,1-Dichloropropene	0.448	0.469	-4.7	100	0.00
29 TMP	Carbon tetrachloride	0.479	0.491	-2.5	100	0.00
30 S	1,2-Dichloroethane-d4	0.063	0.064	-1.6	100	0.00
31 TMP	Benzene	1.286	1.356	-5.4	100	0.00
32 TMP	Trichloroethene	0.373	0.410	-9.9	100	0.00
33 TMP	1,2-Dichloropropane	0.284	0.301	-6.0	100	0.00
34 TMP	Bromodichloromethane	0.432	0.463	-7.2	100	0.00
35 S	Toluene-d8	1.002	0.995	0.7	100	0.00
36 TMP	Dibromomethane	0.216	0.226	-4.6	100	0.00
37 TMP	4-Methyl-2-pentanone	0.077	0.075	2.6	100	0.00
38 TMP	cis-1,3-Dichloropropene	0.504	0.513	-1.8	100	0.00
39 I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40 TMP	Toluene	0.968	1.005	-3.8	100	0.00
41 TMP	trans-1,3-Dichloropropene	0.553	0.538	2.7	100	0.00
42 TMP	1,1,2-Trichloroethane	0.293	0.290	1.0	100	0.00
43 TMP	2-Hexanone	0.320	0.381	-19.1	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110809.D
 Acq On : 8 Nov 2022 12:29 pm
 Operator : LM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 7 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:31 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.560	0.611	-9.1	100	0.00
45 TMP Tetrachloroethene	0.431	0.451	-4.6	100	0.00
46 TMP Dibromochloromethane	0.429	0.413	3.7	100	0.00
47 TMP 1,2-Dibromoethane (EOB)	0.398	0.415	-4.3	100	0.00
48 TMP Chlorobenzene	1.148	1.227	-6.9	100	0.00
49 TMP Ethylbenzene	1.845	1.944	-5.4	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.426	0.448	-5.2	100	0.00
51 TMP m,p-Xylene	0.746	0.789	-5.8	100	0.00
52 TMP o-Xylene	0.741	0.752	-1.5	100	0.00
53 TMP Styrene	1.258	1.267	-0.7	100	0.00
54 TMP Isopropylbenzene	1.878	2.022	-7.7	100	0.00
55 TMP Bromoform	0.362	0.309	14.6	100	0.00
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	0.701	0.712	-1.6	100	0.00
58 TMP n-Propylbenzene	3.165	3.342	-5.6	100	0.00
59 TMP Bromobenzene	0.916	0.952	-3.9	100	0.00
60 TMP 1,3,5-Trimethylbenzene	2.336	2.396	-2.6	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.806	0.871	-8.1	100	0.00
62 TMP 1,2,3-Trichloropropane	0.610	0.651	-6.7	100	0.00
63 TMP 2-Chlorotoluene	1.890	2.074	-9.7	100	0.00
64 TMP 4-Chlorotoluene	2.253	2.387	-5.9	100	0.00
65 TMP tert-Butylbenzene	2.062	2.201	-6.7	100	0.00
66 TMP 1,2,4-Trimethylbenzene	2.433	2.635	-8.3	100	0.00
67 TMP sec-Butylbenzene	2.769	2.846	-2.8	100	0.00
68 TMP p-Isopropyltoluene	2.526	2.666	-5.5	100	0.00
69 TMP 1,3-Dichlorobenzene	1.624	1.662	-2.3	100	0.00
70 TMP 1,4-Dichlorobenzene	1.675	1.773	-5.9	100	0.00
71 TMP 1,2-Dichlorobenzene	1.595	1.630	-2.2	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	0.167	0.000#	100.0#	0#	-10.80#
73 TMP 1,2,4-Trichlorobenzene	1.200	1.309	-9.1	100	0.00
74 TMP Hexachlorobutadiene	0.463	0.523	-13.0	100	0.00
75 TMP Naphthalene	2.957	3.048	-3.1	100	0.00
76 TMP 1,2,3-Trichlorobenzene	1.136	1.217	-7.1	100	0.00

(#) = Out of Range SPCC's out = 11 CCC's out = 0

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110809.D
 Acq On : 8 Nov 2022 12:29 pm
 Operator : LM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 7 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:31 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	4.78	96	90028	10.000	ppb	0.00
39) Chlorobenzene-d5	7.43	117	74657	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.65	152	50024	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.21	113	24573	9.929	ppb	0.00
Spiked Amount	10.000	Range 0 - 1000	Recovery =	99.30%		
30) 1,2-Dichloroethane-d4	4.49	102	5767	10.089	ppb	0.00
Spiked Amount	10.000	Range 90 - 109	Recovery =	100.90%		
35) Toluene-d8	6.14	98	89541	9.929	ppb	0.00
Spiked Amount	10.000	Range 89 - 112	Recovery =	99.30%		
57) 4-Bromofluorobenzene	8.54	95	35639	10.159	ppb	0.00
Spiked Amount	10.000	Range 84 - 115	Recovery =	101.60%		
Target Compounds						
						Qvalue
2) Ethanol	0.00		0	N.D.	d	
4) Dichlorodifluoromethane	0.00		0	N.D.	d	
5) Chloromethane	0.00		0	N.D.	d	
6) Vinyl chloride	1.40	62	1634	0.504	ppb	92
7) Bromomethane	0.00		0	N.D.	d	
8) Chloroethane	0.00		0	N.D.	d	
9) Trichlorofluoromethane	0.00		0	N.D.	d	
10) 2-Propanol	0.00		0	N.D.	d	
11) Acetone	2.39	58	1099	Below Cal	#	85
12) 1,1-Dichloroethene	2.32	96	1734	0.578	ppb	# 56
13) Hexane	0.00		0	N.D.	d	
14) Methylene chloride	0.00		0	N.D.	d	
15) t-Butyl alcohol (TBA)	0.00		0	N.D.	d	
16) Methyl t-butyl ether (...)	2.98	73	4612	0.527	ppb	98
17) trans-1,2-Dichloroethene	2.97	96	1590	0.501	ppb	# 79
18) Diisopropyl ether (DIPE)	3.40	45	4269	0.534	ppb	91
19) 1,1-Dichloroethane	3.32	63	2530	0.525	ppb	90
20) Ethyl t-butyl ether (E...)	3.70	87	1927	0.504	ppb	90
21) 2,2-Dichloropropane	3.81	77	1915	0.469	ppb	96
22) cis-1,2-Dichloroethene	3.81	96	1769	0.514	ppb	# 71
23) Chloroform	4.08	83	2878	0.539	ppb	94
24) 2-Butanone (MEK)	3.84	43	5023	2.998	ppb	90
25) t-Amyl methyl ether (T...)	4.65	73	4463	0.514	ppb	95
26) 1,2-Dichloroethane (EDC)	4.55	62	2037	0.516	ppb	85
27) 1,1,1-Trichloroethane	4.23	97	2418	0.504	ppb	86
28) 1,1-Dichloropropene	4.37	75	2109	0.523	ppb	96
29) Carbon tetrachloride	4.37	117	2208	0.512	ppb	97
31) Benzene	4.54	78	6104	0.527	ppb	97
32) Trichloroethene	5.09	95	1846	0.550	ppb	# 71
33) 1,2-Dichloropropane	5.28	63	1357	0.530	ppb	89
34) Bromodichloromethane	5.51	83	2086	0.537	ppb	91
36) Dibromomethane	5.37	93	1018	0.524	ppb	97

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110809.D
 Acq On : 8 Nov 2022 12:29 pm
 Operator : LM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 7 Sample Multiplier: 1
 InstName : GCMS4

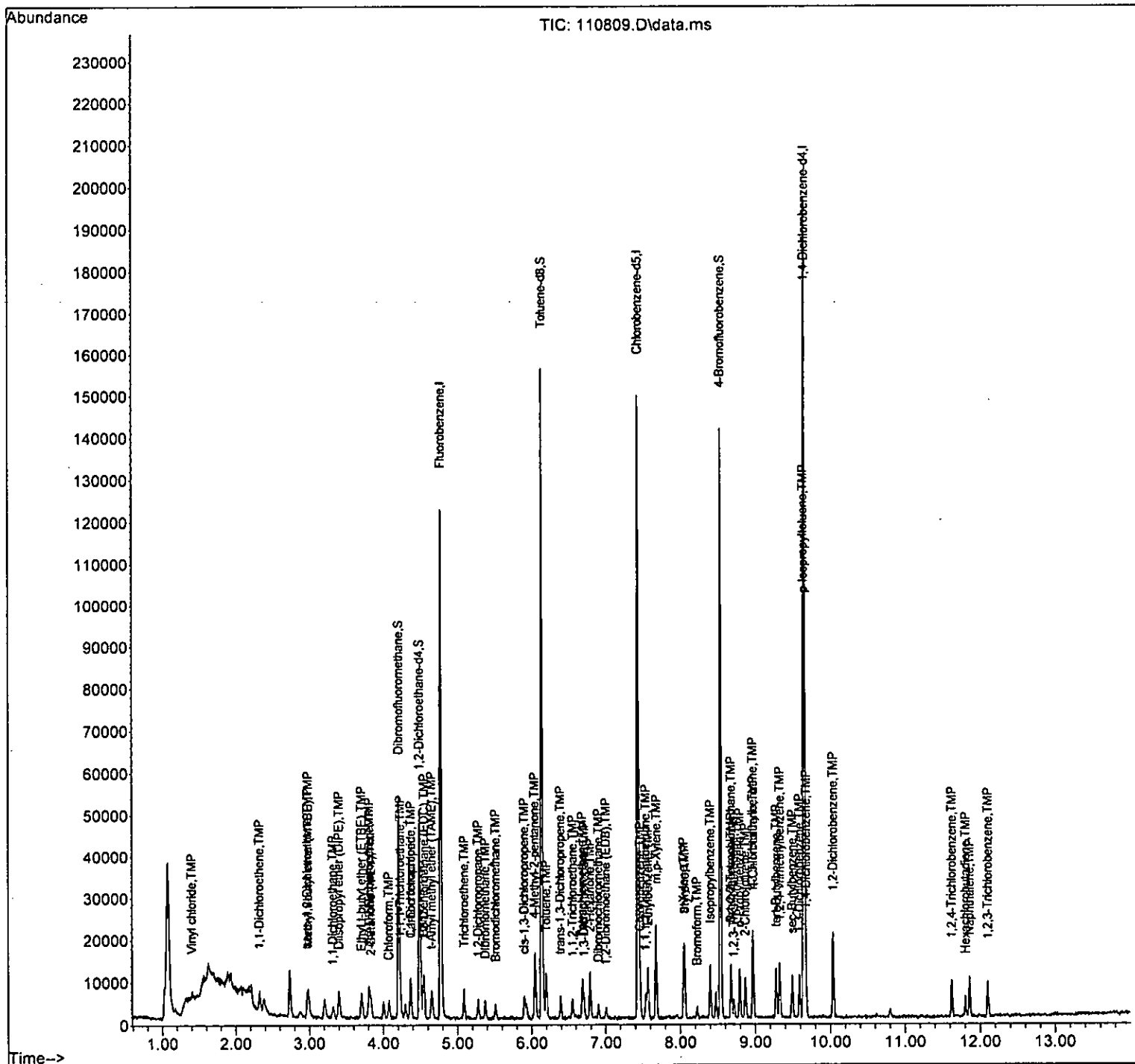
Quant Time: Nov 08 16:47:31 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
37) 4-Methyl-2-pentanone	6.04	85	1683	2.431	ppb	#	52
38) cis-1,3-Dichloropropene	5.90	75	2311	0.509	ppb		91
40) Toluene	6.20	92	3753	0.519	ppb		94
41) trans-1,3-Dichloropropene	6.39	75	2010	0.487	ppb		90
42) 1,1,2-Trichloroethane	6.56	83	1083	0.495	ppb		96
43) 2-Hexanone	6.79	43	7105	2.970	ppb		95
44) 1,3-Dichloropropane	6.71	76	2282	0.546	ppb		89
45) Tetrachloroethene	6.69	164	1685	0.524	ppb		93
46) Dibromochloromethane	6.90	129	1542	0.521	ppb		91
47) 1,2-Dibromoethane (EDB)	7.00	107	1548	0.521	ppb		84
48) Chlorobenzene	7.47	112	4581	0.534	ppb		81
49) Ethylbenzene	7.57	91	7256	0.527	ppb		95
50) 1,1,1,2-Tetrachloroethane	7.54	131	1672	0.526	ppb		85
51) m,p-Xylene	7.68	106	5889	1.057	ppb		91
52) o-Xylene	8.05	106	2806	0.507	ppb	#	78
53) Styrene	8.06	104	4730	0.504	ppb		88
54) Isopropylbenzene	8.40	105	7546	0.538	ppb		96
55) Bromoform	8.22	173	1153	0.464	ppb		81
58) n-Propylbenzene	8.79	91	8358	0.528	ppb		99
59) Bromobenzene	8.68	156	2382	0.520	ppb		87
60) 1,3,5-Trimethylbenzene	8.97	105	5992	0.513	ppb		84
61) 1,1,2,2-Tetrachloroethane	8.68	83	2179	0.540	ppb		93
62) 1,2,3-Trichloropropane	8.72	75	1628	0.533	ppb		91
63) 2-Chlorotoluene	8.87	91	5187	0.549	ppb		97
64) 4-Chlorotoluene	8.97	91	5970	0.530	ppb		93
65) tert-Butylbenzene	9.28	119	5506	0.534	ppb		83
66) 1,2,4-Trimethylbenzene	9.33	105	6591	0.542	ppb		100
67) sec-Butylbenzene	9.49	105	7119	0.514	ppb		91
68) p-Isopropyltoluene	9.64	119	6668	0.528	ppb		95
69) 1,3-Dichlorobenzene	9.59	146	4158	0.512	ppb		84
70) 1,4-Dichlorobenzene	9.68	146	4435	0.529	ppb		92
71) 1,2-Dichlorobenzene	10.04	146	4077	0.511	ppb		92
72) 1,2-Dibromo-3-chloropr...	0.00		0	N.D.	d		
73) 1,2,4-Trichlorobenzene	11.62	180	3274	0.545	ppb		96
74) Hexachlorobutadiene	11.81	225	1307	0.565	ppb		98
75) Naphthalene	11.86	128	7624	0.515	ppb		95
76) 1,2,3-Trichlorobenzene	12.10	180	3044	0.536	ppb		91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110809.D
 Acq On : 8 Nov 2022 12:29 pm
 Operator : LM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 7 Sample Multiplier: 1
 InstName : GCMS4

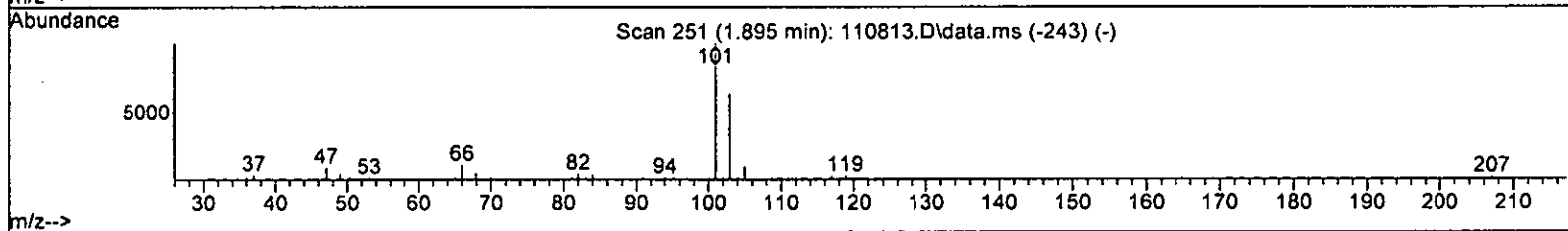
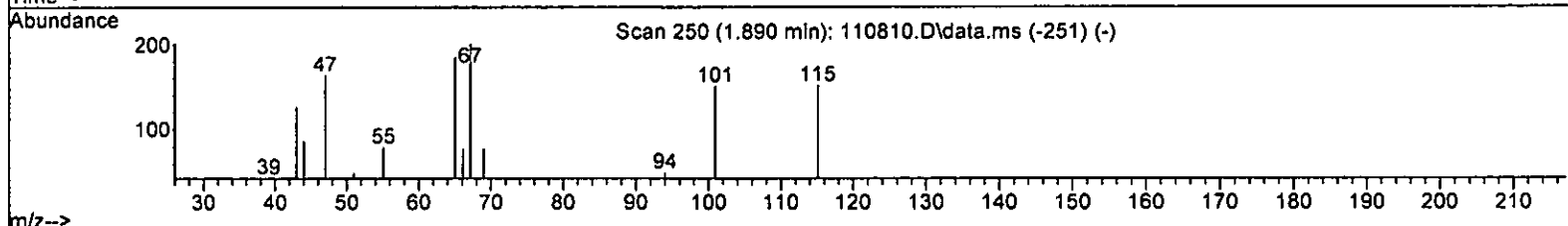
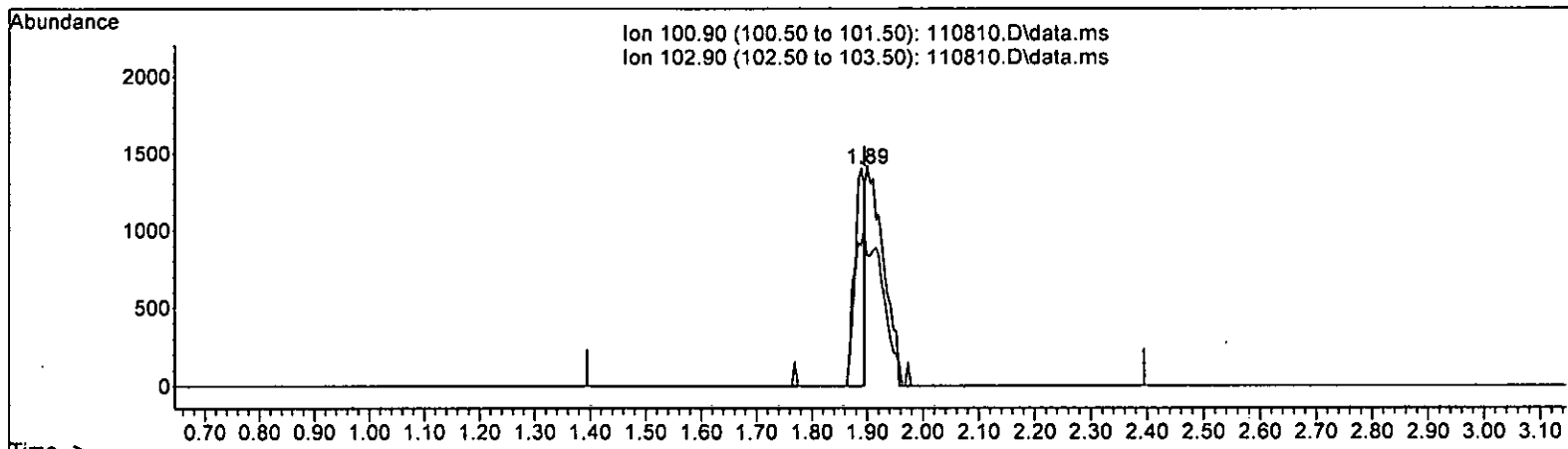
Quant Time: Nov 08 16:47:31 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110810.D
 Acq On : 8 Nov 2022 12:53 pm
 Operator : LM
 Sample : 1 ppb 8260 ICAL 67-177K
 Misc : soil/water
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:33 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



TIC: 110810.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.890min (-0.005) 0.356 ppb

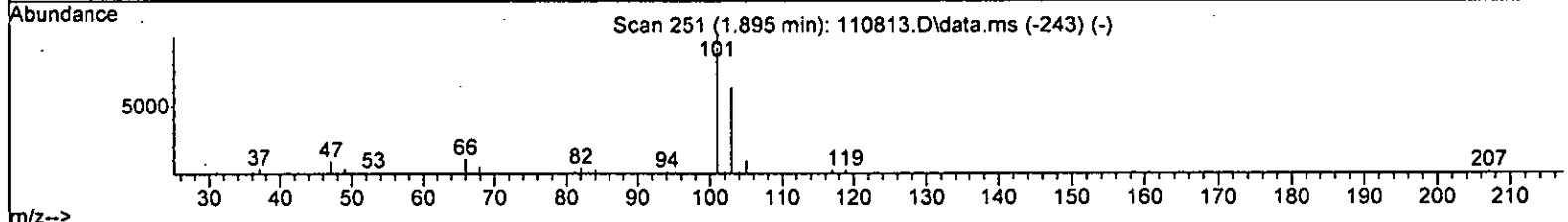
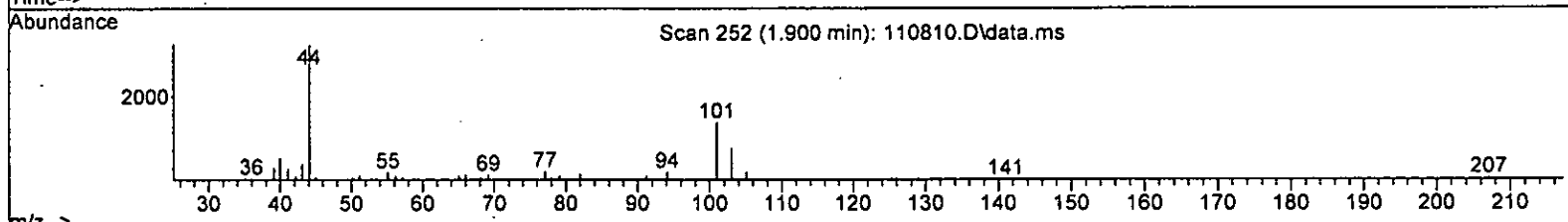
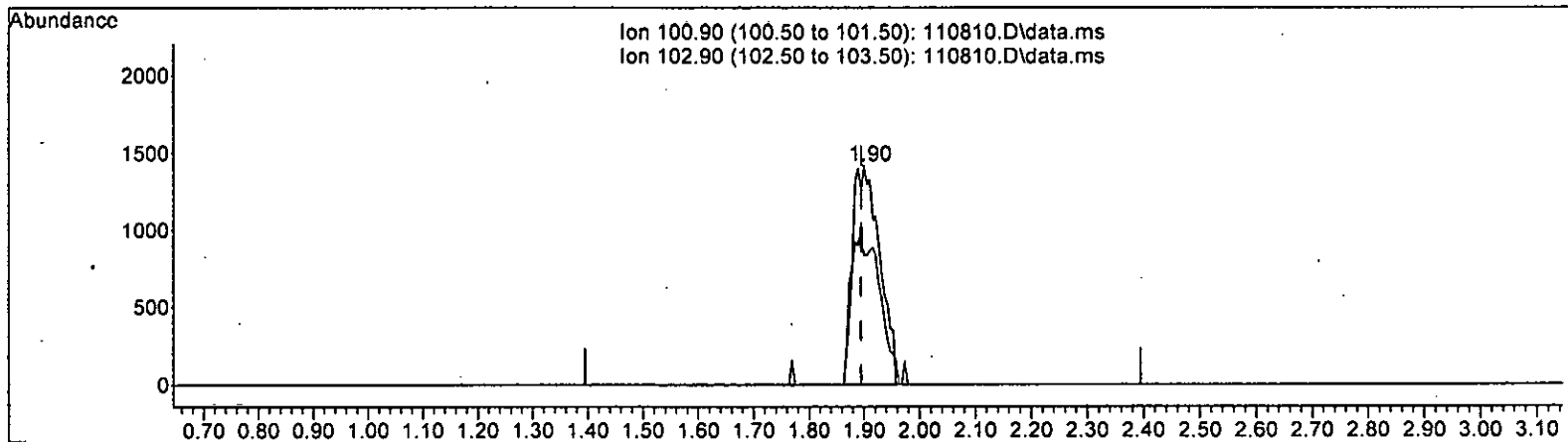
response 1770

Ion	Exp%	Act%
100.90	100.00	100.00
102.90	61.00	63.96
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110810.D
 Acq On : 8 Nov 2022 12:53 pm
 Operator : LM
 Sample : 1 ppb 8260 ICAL 67-177K
 Misc : soil/water
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:33 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



TIC: 110810.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.900min (+ 0.005) 0.963 ppb m

response 4795

Ion	Exp%	Act%
100.90	100.00	100.00
102.90	61.00	58.73
0.00	0.00	0.00
0.00	0.00	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110810.D
 Acq On : 8 Nov 2022 12:53 pm
 Operator : LM
 Sample : 1 ppb 8260 ICAL 67-177K
 Misc : soil/water
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:33 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I Fluorobenzene	10.000	10.000	0.0	100	0.00
2 TMP Ethanol	-1.000	0.000	0.0	0	-1.07#
3 S Dibromofluoromethane	10.000	9.749	2.5	100	0.00
4 TMP Dichlorodifluoromethane	1.000	0.779	22.1#	100	0.00
5 TMP Chloromethane	-1.000	0.000	0.0	0	-1.31#
6 TMP Vinyl chloride	1.000	1.053	-5.3	100	0.00
7 TMP Bromomethane	1.000	0.806	19.4	77	0.00
8 TMP Chloroethane	1.000	1.144	-14.4	100	0.00
9 TMP Trichlorofluoromethane	1.000	0.963	3.7	100	0.00
10 TMP 2-Propanol	-1.000	0.000	0.0	0	-2.99#
11 TMP Acetone	-1.000	1.962	0.0	0	0.00
12 TMP 1,1-Dichloroethene	1.000	1.054	-5.4	100	0.00
13 TMP Hexane	1.000	1.201	-20.1#	100	0.00
14 TMP Methylene chloride	-1.000	0.000	0.0	0	-2.73#
15 TMP t-Butyl alcohol (TBA)	5.000	5.712	-14.2	100	0.00
16 TMP Methyl t-butyl ether (MTBE)	1.000	1.048	-4.8	100	0.00
17 TMP trans-1,2-Dichloroethene	1.000	1.086	-8.6	100	0.00
18 TMP Diisopropyl ether (DIPE)	1.000	1.083	-8.3	100	0.00
19 TMP 1,1-Dichloroethane	1.000	1.078	-7.8	100	0.00
20 TMP Ethyl t-butyl ether (ETBE)	1.000	1.082	-8.2	100	0.00
21 TMP 2,2-Dichloropropane	1.000	1.080	-8.0	100	0.00
22 TMP cis-1,2-Dichloroethene	1.000	1.078	-7.8	100	0.00
23 TMP Chloroform	1.000	1.057	-5.7	100	0.00
24 TMP 2-Butanone (MEK)	5.000	5.180	-3.6	100	0.00
25 TMP t-Amyl methyl ether (TAME)	1.000	1.022	-2.2	100	0.00
26 TMP 1,2-Dichloroethane (EDC)	1.000	1.067	-6.7	100	0.00
27 TMP 1,1,1-Trichloroethane	1.000	1.051	-5.1	100	0.00
28 TMP 1,1-Dichloropropene	1.000	1.075	-7.5	100	0.00
29 TMP Carbon tetrachloride	1.000	1.052	-5.2	100	0.00
30 S 1,2-Dichloroethane-d4	10.000	9.519	4.8	100	0.00
31 TMP Benzene	1.000	1.039	-3.9	100	0.00
32 TMP Trichloroethene	1.000	1.050	-5.0	100	0.00
33 TMP 1,2-Dichloropropane	1.000	1.075	-7.5	100	0.00
34 TMP Bromodichloromethane	1.000	1.019	-1.9	100	0.00
35 S Toluene-d8	10.000	9.962	0.4	100	0.00
36 TMP Dibromomethane	1.000	1.057	-5.7	100	0.00
37 TMP 4-Methyl-2-pentanone	5.000	5.654	-13.1	100	0.00
38 TMP cis-1,3-Dichloropropene	1.000	1.061	-6.1	100	0.00
39 I Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40 TMP Toluene	1.000	1.078	-7.8	100	0.00
41 TMP trans-1,3-Dichloropropene	1.000	1.070	-7.0	100	0.00
42 TMP 1,1,2-Trichloroethane	1.000	1.093	-9.3	100	0.00
43 TMP 2-Hexanone	5.000	4.977	0.5	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110810.D
 Acq On : 8 Nov 2022 12:53 pm
 Operator : LM
 Sample : 1 ppb 8260 ICAL 67-177K
 Misc : soil/water
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:33 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	1.000	1.042	-4.2	100	0.00
45 TMP Tetrachloroethene	1.000	1.064	-6.4	100	0.00
46 TMP Dibromochloromethane	1.000	1.027	-2.7	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	1.000	1.055	-5.5	100	0.00
48 TMP Chlorobenzene	1.000	1.069	-6.9	100	0.00
49 TMP Ethylbenzene	1.000	1.049	-4.9	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	1.000	1.061	-6.1	100	0.00
51 TMP m,p-Xylene	2.000	2.076	-3.8	100	0.00
52 TMP o-Xylene	1.000	1.068	-6.8	100	0.00
53 TMP Styrene	1.000	1.015	-1.5	100	0.00
54 TMP Isopropylbenzene	1.000	1.056	-5.6	100	0.00
55 TMP Bromoform	1.000	0.998	0.2	100	0.00
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	10.000	10.323	-3.2	100	0.00
58 TMP n-Propylbenzene	1.000	1.114	-11.4	100	0.00
59 TMP Bromobenzene	1.000	1.122	-12.2	100	0.00
60 TMP 1,3,5-Trimethylbenzene	1.000	1.086	-8.6	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	1.000	1.118	-11.8	100	0.00
62 TMP 1,2,3-Trichloropropane	1.000	1.127	-12.7	100	0.00
63 TMP 2-Chlorotoluene	1.000	1.055	-5.5	100	0.00
64 TMP 4-Chlorotoluene	1.000	1.103	-10.3	100	0.00
65 TMP tert-Butylbenzene	1.000	1.096	-9.6	100	0.00
66 TMP 1,2,4-Trimethylbenzene	1.000	1.107	-10.7	100	0.00
67 TMP sec-Butylbenzene	1.000	1.099	-9.9	100	0.00
68 TMP p-Isopropyltoluene	1.000	1.123	-12.3	100	0.00
69 TMP 1,3-Dichlorobenzene	1.000	1.091	-9.1	100	0.00
70 TMP 1,4-Dichlorobenzene	1.000	1.094	-9.4	100	0.00
71 TMP 1,2-Dichlorobenzene	1.000	1.113	-11.3	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	1.000	1.079	-7.9	100	0.00
73 TMP 1,2,4-Trichlorobenzene	1.000	1.122	-12.2	100	0.00
74 TMP Hexachlorobutadiene	1.000	1.142	-14.2	100	0.00
75 TMP Naphthalene	1.000	1.092	-9.2	100	0.00
76 TMP 1,2,3-Trichlorobenzene	1.000	1.113	-11.3	100	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110810.D
 Acq On : 8 Nov 2022 12:53 pm
 Operator : LM
 Sample : 1 ppb 8260 ICAL 67-177K
 Misc : soil/water
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:33 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I Fluorobenzene	1.000	1.000	0.0	100	0.00
2 TMP Ethanol	0.000	0.000#	0.0	0#	-1.07#
3 S Dibromofluoromethane	0.275	0.268	2.5	100	0.00
4 TMP Dichlorodifluoromethane	0.410	0.319	22.2#	100	0.00
5 TMP Chloromethane	0.380	0.000#	100.0#	0#	-1.31#
6 TMP Vinyl chloride	0.360	0.379	-5.3	100	0.00
7 TMP Bromomethane	0.168	0.135	19.6	77	0.00
8 TMP Chloroethane	0.189	0.216	-14.3	100	0.00
9 TMP Trichlorofluoromethane	0.562	0.541	3.7	100	0.00
10 TMP 2-Propanol	0.000	0.000	0.0	0#	-2.99#
11 TMP Acetone	0.037	0.000#	100.0#	0#	0.00
12 TMP 1,1-Dichloroethene	0.333	0.351	-5.4	100	0.00
13 TMP Hexane	0.348	0.418	-20.1#	100	0.00
14 TMP Methylene chloride	0.369	0.000#	100.0#	0#	-2.73#
15 TMP t-Butyl alcohol (TBA)	0.051	0.059	-15.7	100	0.00
16 TMP Methyl t-butyl ether (MTBE)	0.971	1.018	-4.8	100	0.00
17 TMP trans-1,2-Dichloroethene	0.353	0.383	-8.5	100	0.00
18 TMP Diisopropyl ether (DIPE)	0.889	0.962	-8.2	100	0.00
19 TMP 1,1-Dichloroethane	0.536	0.577	-7.6	100	0.00
20 TMP Ethyl t-butyl ether (ETBE)	0.425	0.460	-8.2	100	0.00
21 TMP 2,2-Dichloropropane	0.352	0.422	-19.9	100	0.00
22 TMP cis-1,2-Dichloroethene	0.382	0.412	-7.9	100	0.00
23 TMP Chloroform	0.583	0.620	-6.3	100	0.00
24 TMP 2-Butanone (MEK)	0.186	0.193	-3.8	100	0.00
25 TMP t-Amyl methyl ether (TAME)	0.964	0.985	-2.2	100	0.00
26 TMP 1,2-Dichloroethane (EDC)	0.438	0.467	-6.6	100	0.00
27 TMP 1,1,1-Trichloroethane	0.532	0.560	-5.3	100	0.00
28 TMP 1,1-Dichloropropene	0.448	0.482	-7.6	100	0.00
29 TMP Carbon tetrachloride	0.479	0.504	-5.2	100	0.00
30 S 1,2-Dichloroethane-d4	0.063	0.060	4.8	100	0.00
31 TMP Benzene	1.286	1.336	-3.9	100	0.00
32 TMP Trichloroethene	0.373	0.392	-5.1	100	0.00
33 TMP 1,2-Dichloropropane	0.284	0.306	-7.7	100	0.00
34 TMP Bromodichloromethane	0.432	0.440	-1.9	100	0.00
35 S Toluene-d8	1.002	0.998	0.4	100	0.00
36 TMP Dibromomethane	0.216	0.228	-5.6	100	0.00
37 TMP 4-Methyl-2-pentanone	0.077	0.087	-13.0	100	0.00
38 TMP cis-1,3-Dichloropropene	0.504	0.535	-6.2	100	0.00
39 I Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40 TMP Toluene	0.968	1.043	-7.7	100	0.00
41 TMP trans-1,3-Dichloropropene	0.553	0.592	-7.1	100	0.00
42 TMP 1,1,2-Trichloroethane	0.293	0.320	-9.2	100	0.00
43 TMP 2-Hexanone	0.320	0.319	0.3	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110810.D
 Acq On : 8 Nov 2022 12:53 pm
 Operator : LM
 Sample : 1 ppb 8260 ICAL 67-177K
 Misc : soil/water
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:33 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.560	0.584	-4.3	100	0.00
45 TMP Tetrachloroethene	0.431	0.458	-6.3	100	0.00
46 TMP Dibromochloromethane	0.429	0.419	2.3	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	0.398	0.420	-5.5	100	0.00
48 TMP Chlorobenzene	1.148	1.228	-7.0	100	0.00
49 TMP Ethylbenzene	1.845	1.935	-4.9	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.426	0.451	-5.9	100	0.00
51 TMP m,p-Xylene	0.746	0.774	-3.8	100	0.00
52 TMP o-Xylene	0.741	0.792	-6.9	100	0.00
53 TMP Styrene	1.258	1.277	-1.5	100	0.00
54 TMP Isopropylbenzene	1.878	1.982	-5.5	100	0.00
55 TMP Bromoform	0.362	0.335	7.5	100	0.00
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	0.701	0.724	-3.3	100	0.00
58 TMP n-Propylbenzene	3.165	3.527	-11.4	100	0.00
59 TMP Bromobenzene	0.916	1.027	-12.1	100	0.00
60 TMP 1,3,5-Trimethylbenzene	2.336	2.536	-8.6	100	0.00
61 TMP 1,1,1,2-Tetrachloroethane	0.806	0.901	-11.8	100	0.00
62 TMP 1,2,3-Trichloropropane	0.610	0.688	-12.8	100	0.00
63 TMP 2-Chlorotoluene	1.890	1.993	-5.4	100	0.00
64 TMP 4-Chlorotoluene	2.253	2.484	-10.3	100	0.00
65 TMP tert-Butylbenzene	2.062	2.261	-9.7	100	0.00
66 TMP 1,2,4-Trimethylbenzene	2.433	2.693	-10.7	100	0.00
67 TMP sec-Butylbenzene	2.769	3.042	-9.9	100	0.00
68 TMP p-Isopropyltoluene	2.526	2.836	-12.3	100	0.00
69 TMP 1,3-Dichlorobenzene	1.624	1.772	-9.1	100	0.00
70 TMP 1,4-Dichlorobenzene	1.675	1.834	-9.5	100	0.00
71 TMP 1,2-Dichlorobenzene	1.595	1.775	-11.3	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	0.167	0.180	-7.8	100	0.00
73 TMP 1,2,4-Trichlorobenzene	1.200	1.347	-12.3	100	0.00
74 TMP Hexachlorobutadiene	0.463	0.529	-14.3	100	0.00
75 TMP Naphthalene	2.957	3.230	-9.2	100	0.00
76 TMP 1,2,3-Trichlorobenzene	1.136	1.264	-11.3	100	0.00

(#) = Out of Range

SPCC's out = 4 CCC's out = 0

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110810.D
 Acq On : 8 Nov 2022 12:53 pm
 Operator : LM
 Sample : 1 ppb 8260 ICAL 67-177K
 Misc : soil/water
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:33 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	4.78	96	88603	10.000	ppb	0.00
39) Chlorobenzene-d5	7.43	117	74537	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.65	152	47526	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.21	113	23746	9.749	ppb	0.00
Spiked Amount	10.000	Range 0 - 1000	Recovery	=	97.50%	
30) 1,2-Dichloroethane-d4	4.49	102	5355	9.519	ppb	0.00
Spiked Amount	10.000	Range 90 - 109	Recovery	=	95.20%	
35) Toluene-d8	6.14	98	88422	9.962	ppb	0.00
Spiked Amount	10.000	Range 89 - 112	Recovery	=	99.60%	
57) 4-Bromofluorobenzene	8.54	95	34407	10.323	ppb	0.00
Spiked Amount	10.000	Range 84 - 115	Recovery	=	103.20%	
Target Compounds						
						Qvalue
2) Ethanol	0.00		0	N.D.	d	
4) Dichlorodifluoromethane	1.17	85	2829	0.779	ppb	91
5) Chloromethane	0.00		0	N.D.	d	
6) Vinyl chloride	1.40	62	3361	1.053	ppb	80
7) Bromomethane	1.62	94	1197	0.806	ppb	97
8) Chloroethane	1.70	64	1915	1.144	ppb	75
9) Trichlorofluoromethane	1.90	101	4795m	0.963	ppb	
10) 2-Propanol	0.00		0	N.D.	d	
11) Acetone	2.39	58	2083	1.962	ppb	94
12) 1,1-Dichloroethene	2.32	96	3113	1.054	ppb	81
13) Hexane	3.20	57	3708	1.201	ppb	97
14) Methylene chloride	0.00		0	N.D.	d	
15) t-Butyl alcohol (TBA)	2.87	59	2593	5.712	ppb	90
16) Methyl t-butyl ether (...)	2.98	73	9019	1.048	ppb	97
17) trans-1,2-Dichloroethene	2.97	96	3394	1.086	ppb	82
18) Diisopropyl ether (DIPE)	3.40	45	8524	1.083	ppb	94
19) 1,1-Dichloroethane	3.32	63	5116	1.078	ppb	97
20) Ethyl t-butyl ether (E...)	3.70	87	4074	1.082	ppb	# 83
21) 2,2-Dichloropropane	3.81	77	3738	1.080	ppb	96
22) cis-1,2-Dichloroethene	3.81	96	3648	1.078	ppb	82
23) Chloroform	4.08	83	5492	1.057	ppb	87
24) 2-Butanone (MEK)	3.84	43	8542	5.180	ppb	99
25) t-Amyl methyl ether (T...)	4.65	73	8730	1.022	ppb	95
26) 1,2-Dichloroethane (EDC)	4.55	62	4141	1.067	ppb	96
27) 1,1,1-Trichloroethane	4.23	97	4959	1.051	ppb	96
28) 1,1-Dichloropropene	4.37	75	4267	1.075	ppb	87
29) Carbon tetrachloride	4.37	117	4469	1.052	ppb	96
31) Benzene	4.54	78	11836	1.039	ppb	92
32) Trichloroethene	5.09	95	3470	1.050	ppb	# 72
33) 1,2-Dichloropropane	5.27	63	2710	1.075	ppb	89
34) Bromodichloromethane	5.51	83	3898	1.019	ppb	99
36) Dibromomethane	5.37	93	2020	1.057	ppb	79

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110810.D
 Acq On : 8 Nov 2022 12:53 pm
 Operator : LM
 Sample : 1 ppb 8260 ICAL 67-177K
 Misc : soil/water
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS4

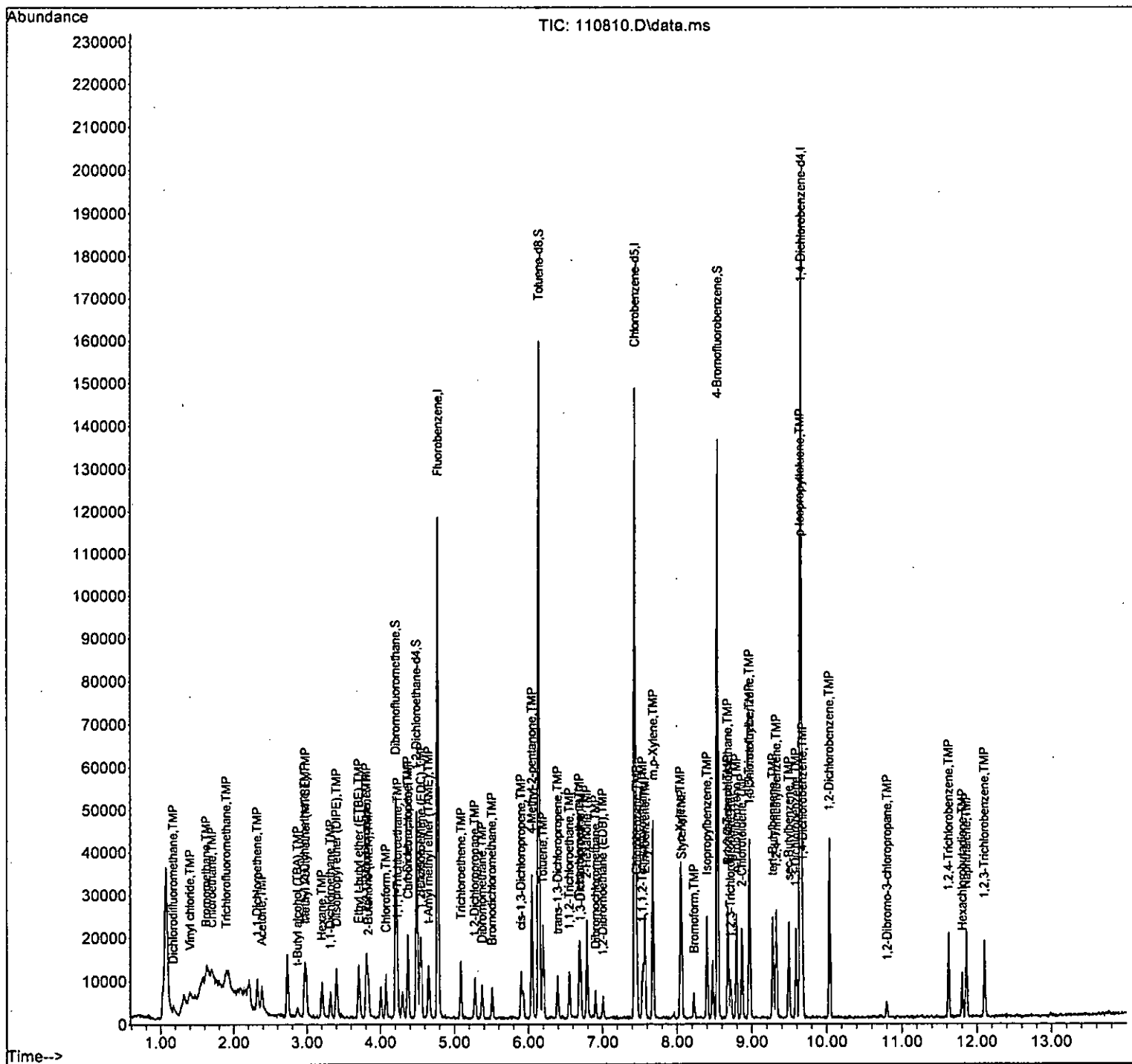
Quant Time: Nov 08 16:47:33 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	6.05	85	3852	5.654	ppb #	77
38) cis-1,3-Dichloropropene	5.90	75	4738	1.061	ppb	98
40) Toluene	6.19	92	7775	1.078	ppb	87
41) trans-1,3-Dichloropropene	6.39	75	4411	1.070	ppb	90
42) 1,1,2-Trichloroethane	6.55	83	2388	1.093	ppb	93
43) 2-Hexanone	6.79	43	11888	4.977	ppb	92
44) 1,3-Dichloropropane	6.70	76	4351	1.042	ppb	96
45) Tetrachloroethene	6.69	164	3417	1.064	ppb	89
46) Dibromochloromethane	6.91	129	3122	1.027	ppb	96
47) 1,2-Dibromoethane (EDB)	7.00	107	3131	1.055	ppb	91
48) Chlorobenzene	7.46	112	9150	1.069	ppb	87
49) Ethylbenzene	7.57	91	14423	1.049	ppb	89
50) 1,1,1,2-Tetrachloroethane	7.54	131	3364	1.061	ppb	94
51) m,p-Xylene	7.68	106	11543	2.076	ppb	88
52) o-Xylene	8.05	106	5903	1.068	ppb #	80
53) Styrene	8.06	104	9518	1.015	ppb	87
54) Isopropylbenzene	8.40	105	14776	1.056	ppb	94
55) Bromoform	8.23	173	2496	0.998	ppb	96
58) n-Propylbenzene	8.79	91	16762	1.114	ppb	96
59) Bromobenzene	8.68	156	4883	1.122	ppb #	78
60) 1,3,5-Trimethylbenzene	8.97	105	12053	1.086	ppb	80
61) 1,1,2,2-Tetrachloroethane	8.68	83	4283	1.118	ppb	90
62) 1,2,3-Trichloropropane	8.72	75	3269	1.127	ppb	99
63) 2-Chlorotoluene	8.87	91	9472	1.055	ppb	81
64) 4-Chlorotoluene	8.97	91	11807	1.103	ppb	80
65) tert-Butylbenzene	9.28	119	10745	1.096	ppb	77
66) 1,2,4-Trimethylbenzene	9.33	105	12800	1.107	ppb	92
67) sec-Butylbenzene	9.49	105	14457	1.099	ppb	89
68) p-Isopropyltoluene	9.64	119	13478	1.123	ppb	93
69) 1,3-Dichlorobenzene	9.59	146	8422	1.091	ppb	95
70) 1,4-Dichlorobenzene	9.68	146	8714	1.094	ppb	94
71) 1,2-Dichlorobenzene	10.03	146	8437	1.113	ppb	85
72) 1,2-Dibromo-3-chloropr...	10.80	75	857	1.079	ppb #	65
73) 1,2,4-Trichlorobenzene	11.62	180	6401	1.122	ppb	100
74) Hexachlorobutadiene	11.81	225	2512	1.142	ppb	92
75) Naphthalene	11.86	128	15350	1.092	ppb	97
76) 1,2,3-Trichlorobenzene	12.10	180	6008	1.113	ppb	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110810.D
 Acq On : 8 Nov 2022 12:53 pm
 Operator : LM
 Sample : 1 ppb 8260 ICAL 67-177K
 Misc : soil/water
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS4

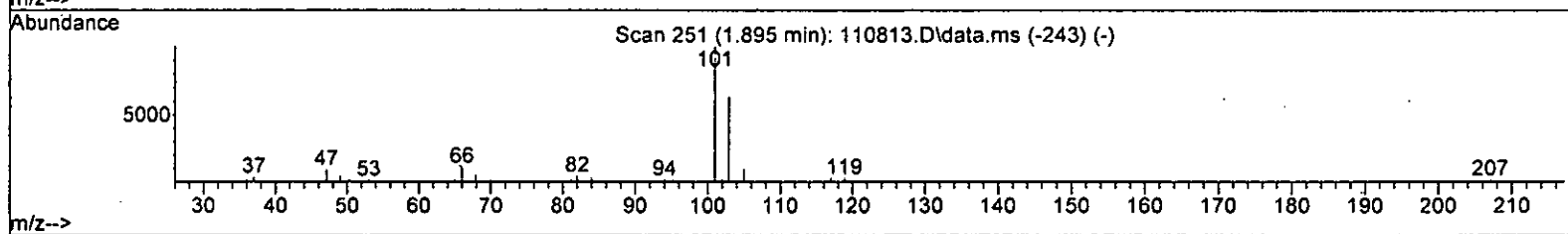
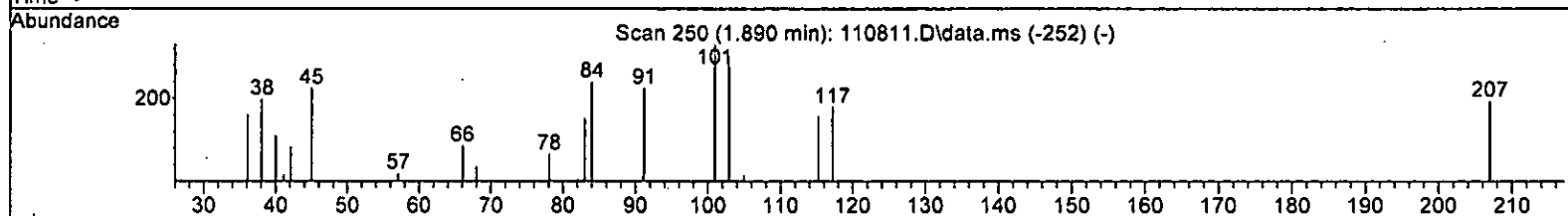
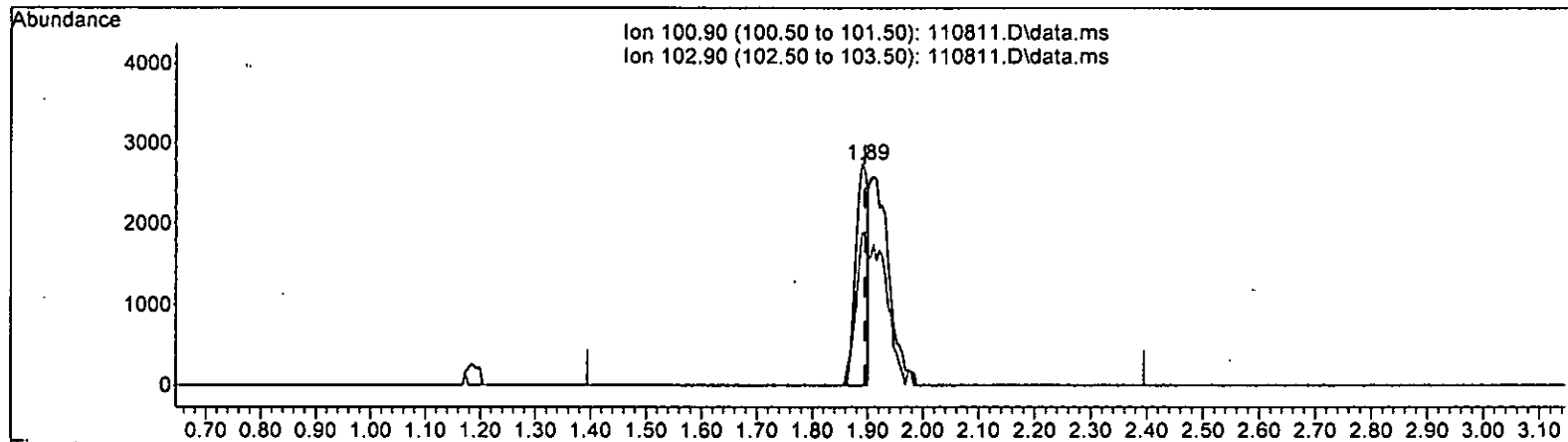
Quant Time: Nov 08 16:47:33 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110811.D
 Acq On : 8 Nov 2022 1:17 pm
 Operator : LM
 Sample : 2 ppb 8260 ICAL 67-177L
 Misc : soil/water
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:35 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



TIC: 110811.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.890min (-0.005) 0.845 ppb

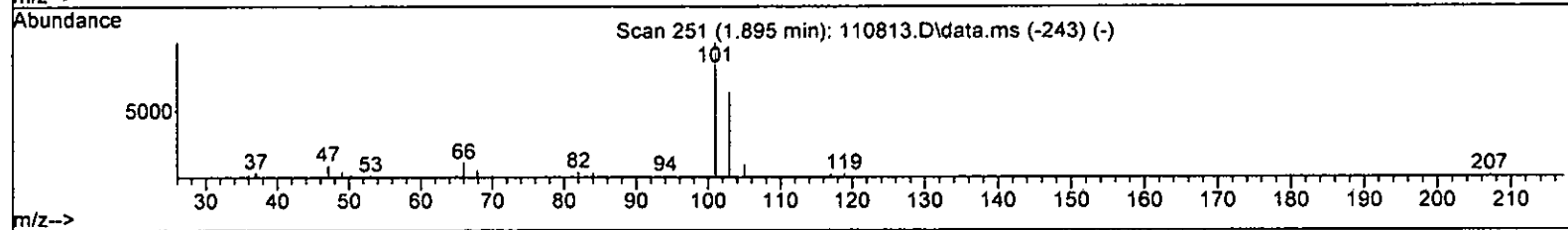
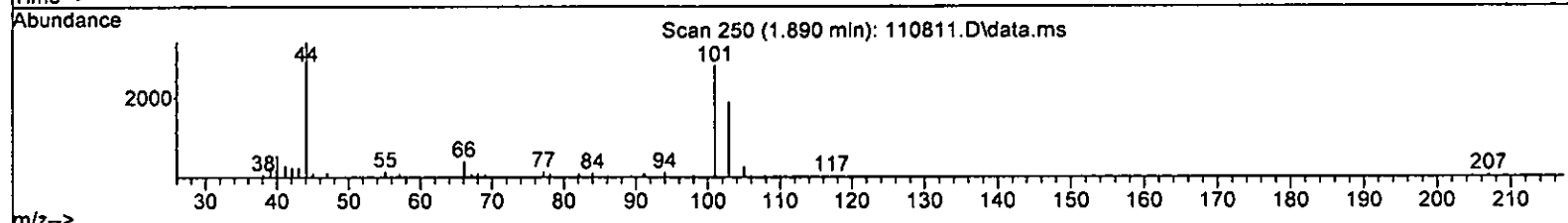
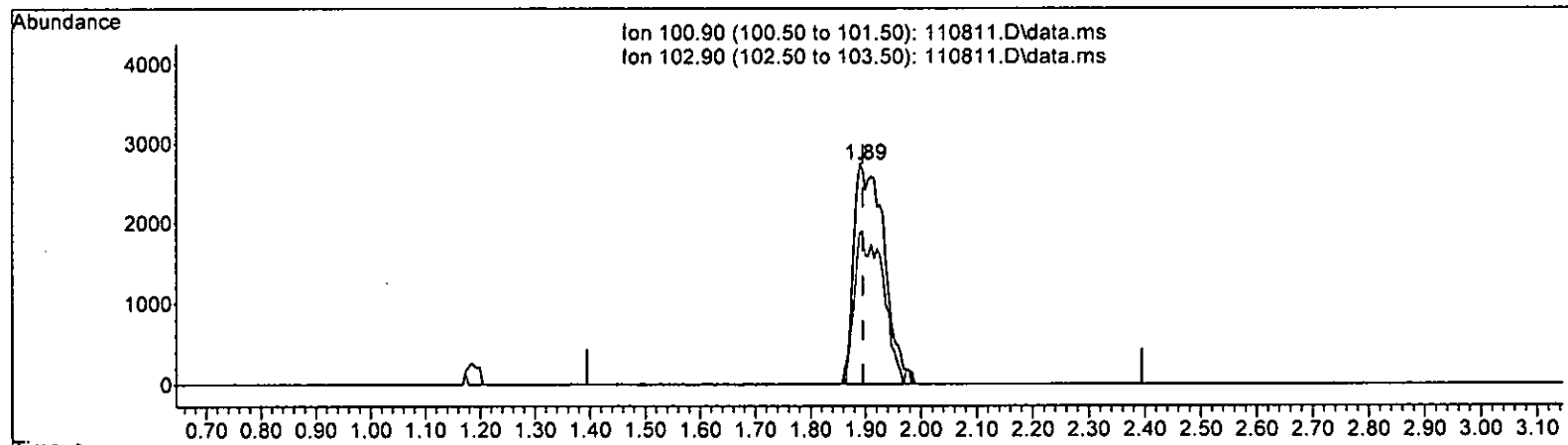
response 4197

Ion	Exp%	Act%
100.90	100.00	100.00
102.90	61.00	68.76
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110811.D
 Acq On : 8 Nov 2022 1:17 pm
 Operator : LM
 Sample : 2 ppb 8260 ICAL 67-177L
 Misc : soil/water
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:35 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



TIC: 110811.D\data.ms

(9) Trichlorofluoromethane (TMP)

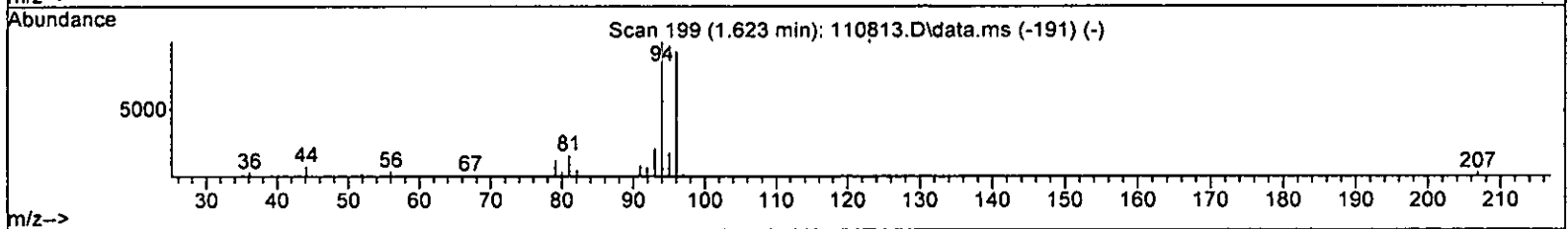
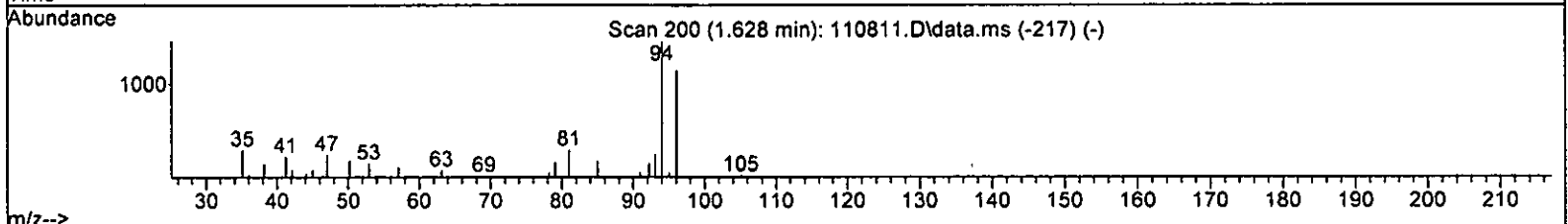
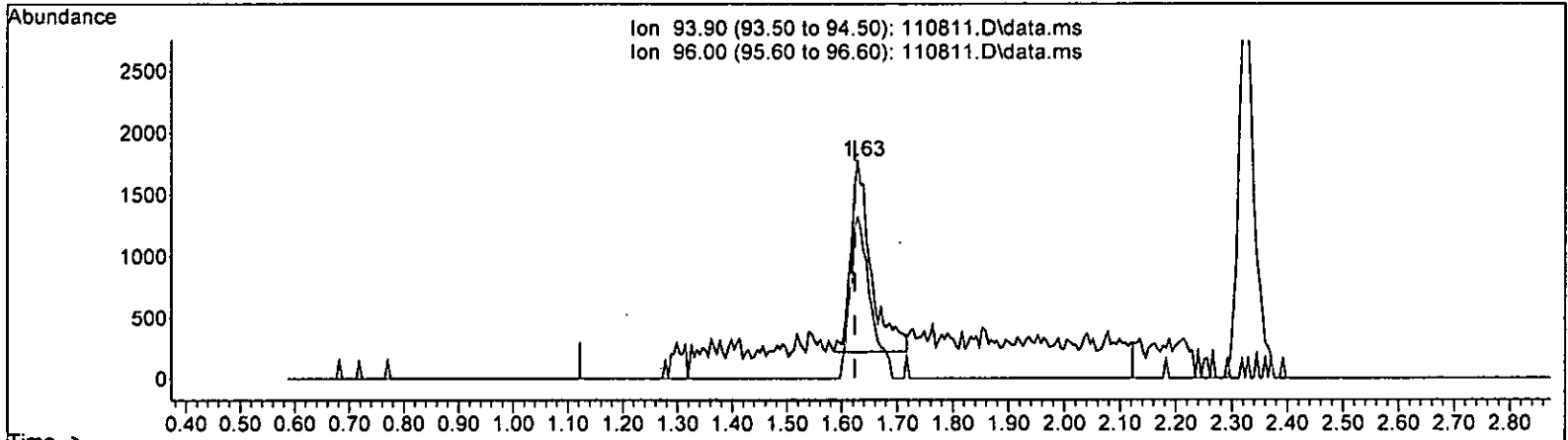
1.890min (-0.005) 2.074 ppb m

response	10299		
Ion	Exp%	Act%	
100.90	100.00	100.00	
102.90	61.00	68.76	
0.00	0.00	0.00	
0.00	0.00	0.00	

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110811.D
 Acq On : 8 Nov 2022 1:17 pm
 Operator : LM
 Sample : 2 ppb 8260 ICAL 67-177L
 Misc : soil/water
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:35 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



TIC: 110811.D\data.ms

(7) Bromomethane (TMP)

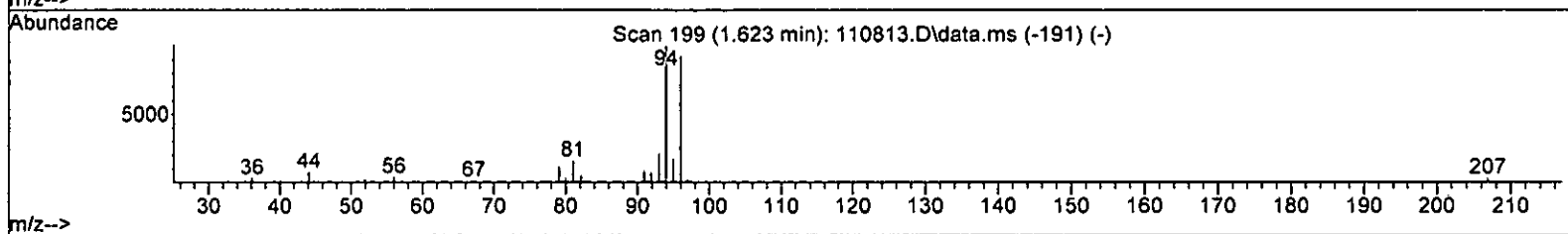
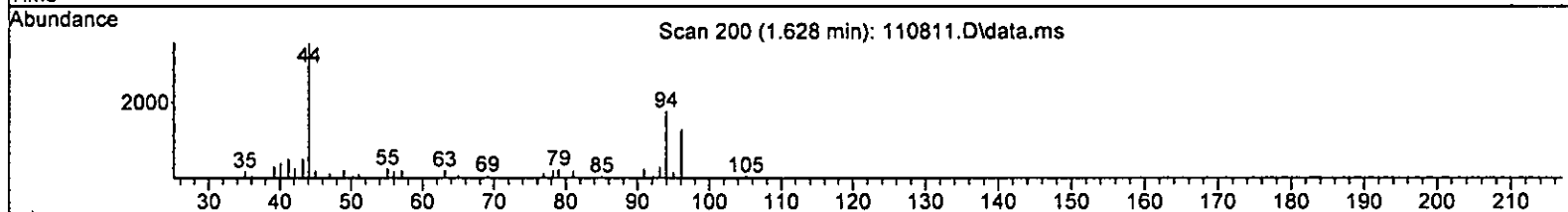
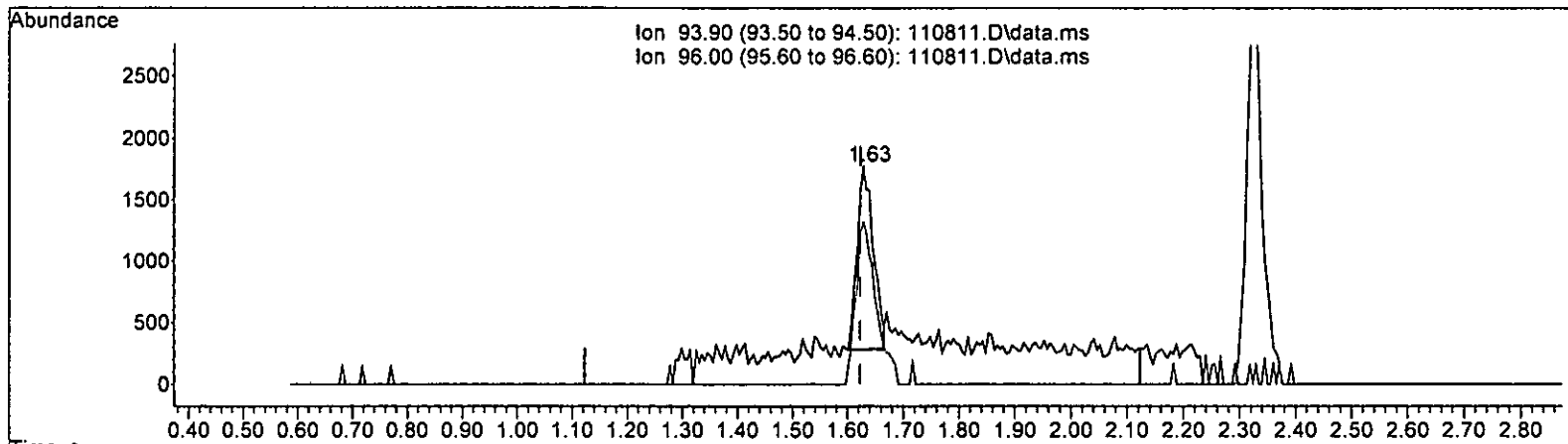
1.628min (+ 0.005) 2.653 ppb

response	3929	
Ion	Exp%	Act%
93.90	100.00	100.00
96.00	89.10	85.17
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110811.D
 Acq On : 8 Nov 2022 1:17 pm
 Operator : LM
 Sample : 2 ppb 8260 ICAL 67-177L
 Misc : soil/water
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:35 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



TIC: 110811.D\data.ms

(7) Bromomethane (TMP)

1.628min (+ 0.005) 2.005 ppb m

response	2970	
Ion	Exp%	Act%
93.90	100.00	100.00
96.00	89.10	74.76
0.00	0.00	0.00
0.00	0.00	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110811.D
 Acq On : 8 Nov 2022 1:17 pm
 Operator : LM
 Sample : 2 ppb 8260 ICAL 67-177L
 Misc : soil/water
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:35 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2 TMP	Ethanol	-1.000	0.000	0.0	0	-1.07#
3 S	Dibromofluoromethane	10.000	10.098	-1.0	100	0.00
4 TMP	Dichlorodifluoromethane	2.000	1.922	3.9	100	0.01
5 TMP	Chloromethane	2.000	2.240	-12.0	100	0.01
6 TMP	Vinyl chloride	2.000	2.032	-1.6	100	0.01
7 TMP	Bromomethane	2.000	2.005	-0.2	76	0.00
8 TMP	Chloroethane	2.000	2.289	-14.5	100	0.01
9 TMP	Trichlorofluoromethane	2.000	2.074	-3.7	100	0.00
10 TMP	2-Propanol	-1.000	0.000	0.0	0	-2.99#
11 TMP	Acetone	10.000	7.405	25.9#	100	0.00
12 TMP	1,1-Dichloroethene	2.000	2.104	-5.2	100	0.00
13 TMP	Hexane	2.000	2.227	-11.3	100	0.00
14 TMP	Methylene chloride	2.000	2.089	-4.4	100	0.00
15 TMP	t-Butyl alcohol (TBA)	10.000	10.174	-1.7	100	0.00
16 TMP	Methyl t-butyl ether (MTBE)	2.000	2.144	-7.2	100	0.00
17 TMP	trans-1,2-Dichloroethene	2.000	2.059	-3.0	100	0.00
18 TMP	Diisopropyl ether (DIPE)	2.000	2.082	-4.1	100	0.00
19 TMP	1,1-Dichloroethane	2.000	2.096	-4.8	100	0.00
20 TMP	Ethyl t-butyl ether (ETBE)	2.000	2.121	-6.0	100	0.00
21 TMP	2,2-Dichloropropane	2.000	2.269	-13.5	100	0.00
22 TMP	cis-1,2-Dichloroethene	2.000	2.111	-5.6	100	0.00
23 TMP	Chloroform	2.000	2.079	-4.0	100	0.00
24 TMP	2-Butanone (MEK)	10.000	9.889	1.1	100	0.00
25 TMP	t-Amyl methyl ether (TAME)	2.000	2.140	-7.0	100	0.00
26 TMP	1,2-Dichloroethane (EDC)	2.000	2.167	-8.3	100	0.00
27 TMP	1,1,1-Trichloroethane	2.000	2.137	-6.9	100	0.00
28 TMP	1,1-Dichloropropene	2.000	2.087	-4.4	100	0.00
29 TMP	Carbon tetrachloride	2.000	2.071	-3.6	100	0.00
30 S	1,2-Dichloroethane-d4	10.000	9.991	0.1	100	0.00
31 TMP	Benzene	2.000	2.164	-8.2	100	0.00
32 TMP	Trichloroethene	2.000	2.007	-0.4	100	0.00
33 TMP	1,2-Dichloropropane	2.000	2.125	-6.3	100	0.00
34 TMP	Bromodichloromethane	2.000	2.087	-4.4	100	0.00
35 S	Toluene-d8	10.000	9.740	2.6	100	0.00
36 TMP	Dibromomethane	2.000	2.113	-5.6	100	0.00
37 TMP	4-Methyl-2-pentanone	10.000	9.895	1.1	100	0.00
38 TMP	cis-1,3-Dichloropropene	2.000	1.993	0.3	100	0.00
39 I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40 TMP	Toluene	2.000	2.184	-9.2	100	0.00
41 TMP	trans-1,3-Dichloropropene	2.000	2.007	-0.4	100	0.00
42 TMP	1,1,2-Trichloroethane	2.000	2.158	-7.9	100	0.00
43 TMP	2-Hexanone	10.000	10.236	-2.4	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110811.D
 Acq On : 8 Nov 2022 1:17 pm
 Operator : LM
 Sample : 2 ppb 8260 ICAL 67-177L
 Misc : soil/water
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:35 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	2.000	2.076	-3.8	100	0.00
45 TMP Tetrachloroethene	2.000	2.191	-9.5	100	0.00
46 TMP Dibromochloromethane	2.000	2.144	-7.2	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	2.000	2.067	-3.4	100	0.00
48 TMP Chlorobenzene	2.000	2.088	-4.4	100	0.00
49 TMP Ethylbenzene	2.000	2.110	-5.5	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	2.000	2.174	-8.7	100	0.00
51 TMP m,p-Xylene	4.000	4.242	-6.0	100	0.00
52 TMP o-Xylene	2.000	2.075	-3.8	100	0.00
53 TMP Styrene	2.000	2.169	-8.5	100	0.00
54 TMP Isopropylbenzene	2.000	2.118	-5.9	100	0.00
55 TMP Bromoform	2.000	2.048	-2.4	100	0.00
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	10.000	9.959	0.4	100	0.00
58 TMP n-Propylbenzene	2.000	2.064	-3.2	100	0.00
59 TMP Bromobenzene	2.000	2.155	-7.7	100	0.00
60 TMP 1,3,5-Trimethylbenzene	2.000	2.064	-3.2	100	0.00
61 TMP 1,1,1,2-Tetrachloroethane	2.000	2.133	-6.7	100	0.00
62 TMP 1,2,3-Trichloropropane	2.000	2.089	-4.4	100	0.00
63 TMP 2-Chlorotoluene	2.000	2.140	-7.0	100	0.00
64 TMP 4-Chlorotoluene	2.000	2.075	-3.8	100	0.00
65 TMP tert-Butylbenzene	2.000	2.110	-5.5	100	0.00
66 TMP 1,2,4-Trimethylbenzene	2.000	2.110	-5.5	100	0.00
67 TMP sec-Butylbenzene	2.000	2.082	-4.1	100	0.00
68 TMP p-Isopropyltoluene	2.000	2.101	-5.0	100	0.00
69 TMP 1,3-Dichlorobenzene	2.000	2.111	-5.6	100	0.00
70 TMP 1,4-Dichlorobenzene	2.000	2.152	-7.6	100	0.00
71 TMP 1,2-Dichlorobenzene	2.000	2.109	-5.4	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	2.000	1.826	8.7	100	0.00
73 TMP 1,2,4-Trichlorobenzene	2.000	2.100	-5.0	100	0.00
74 TMP Hexachlorobutadiene	2.000	2.101	-5.0	100	0.00
75 TMP Naphthalene	2.000	2.066	-3.3	100	0.00
76 TMP 1,2,3-Trichlorobenzene	2.000	2.154	-7.7	100	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110811.D
 Acq On : 8 Nov 2022 1:17 pm
 Operator : LM
 Sample : 2 ppb 8260 ICAL 67-177L
 Misc : soil/water
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:35 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I Fluorobenzene	1.000	1.000	0.0	100	0.00
2 TMP Ethanol	0.000	0.000#	0.0	0#	-1.07#
3 S Dibromofluoromethane	0.275	0.278	-1.1	100	0.00
4 TMP Dichlorodifluoromethane	0.410	0.394	3.9	100	0.01
5 TMP Chloromethane	0.380	0.425	-11.8	100	0.01
6 TMP Vinyl chloride	0.360	0.366	-1.7	100	0.01
7 TMP Bromomethane	0.168	0.168	0.0	76	0.00
8 TMP Chloroethane	0.189	0.216	-14.3	100	0.01
9 TMP Trichlorofluoromethane	0.562	0.583	-3.7	100	0.00
10 TMP 2-Propanol	0.000	0.000	0.0	0#	-2.99#
11 TMP Acetone	0.037	0.035	5.4	100	0.00
12 TMP 1,1-Dichloroethene	0.333	0.351	-5.4	100	0.00
13 TMP Hexane	0.348	0.388	-11.5	100	0.00
14 TMP Methylene chloride	0.369	0.579	-56.9#	100	0.00
15 TMP t-Butyl alcohol (TBA)	0.051	0.052	-2.0	100	0.00
16 TMP Methyl t-butyl ether (MTBE)	0.971	1.041	-7.2	100	0.00
17 TMP trans-1,2-Dichloroethene	0.353	0.363	-2.8	100	0.00
18 TMP Diisopropyl ether (DIPE)	0.889	0.925	-4.0	100	0.00
19 TMP 1,1-Dichloroethane	0.536	0.561	-4.7	100	0.00
20 TMP Ethyl t-butyl ether (ETBE)	0.425	0.451	-6.1	100	0.00
21 TMP 2,2-Dichloropropane	0.352	0.414	-17.6	100	0.00
22 TMP cis-1,2-Dichloroethene	0.382	0.403	-5.5	100	0.00
23 TMP Chloroform	0.583	0.606	-3.9	100	0.00
24 TMP 2-Butanone (MEK)	0.186	0.184	1.1	100	0.00
25 TMP t-Amyl methyl ether (TAME)	0.964	1.031	-7.0	100	0.00
26 TMP 1,2-Dichloroethane (EDC)	0.438	0.475	-8.4	100	0.00
27 TMP 1,1,1-Trichloroethane	0.532	0.569	-7.0	100	0.00
28 TMP 1,1-Dichloropropene	0.448	0.468	-4.5	100	0.00
29 TMP Carbon tetrachloride	0.479	0.496	-3.5	100	0.00
30 S 1,2-Dichloroethane-d4	0.063	0.063	0.0	100	0.00
31 TMP Benzene	1.286	1.391	-8.2	100	0.00
32 TMP Trichloroethene	0.373	0.374	-0.3	100	0.00
33 TMP 1,2-Dichloropropane	0.284	0.302	-6.3	100	0.00
34 TMP Bromodichloromethane	0.432	0.451	-4.4	100	0.00
35 S Toluene-d8	1.002	0.976	2.6	100	0.00
36 TMP Dibromomethane	0.216	0.228	-5.6	100	0.00
37 TMP 4-Methyl-2-pentanone	0.077	0.076	1.3	100	0.00
38 TMP cis-1,3-Dichloropropene	0.504	0.502	0.4	100	0.00
39 I Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40 TMP Toluene	0.968	1.057	-9.2	100	0.00
41 TMP trans-1,3-Dichloropropene	0.553	0.555	-0.4	100	0.00
42 TMP 1,1,2-Trichloroethane	0.293	0.316	-7.8	100	0.00
43 TMP 2-Hexanone	0.320	0.328	-2.5	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110811.D
 Acq On : 8 Nov 2022 1:17 pm
 Operator : LM
 Sample : 2 ppb 8260 ICAL 67-177L
 Misc : soil/water
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:35 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.560	0.582	-3.9	100	0.00
45 TMP Tetrachloroethene	0.431	0.472	-9.5	100	0.00
46 TMP Dibromochloromethane	0.429	0.444	-3.5	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	0.398	0.412	-3.5	100	0.00
48 TMP Chlorobenzene	1.148	1.199	-4.4	100	0.00
49 TMP Ethylbenzene	1.845	1.946	-5.5	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.426	0.463	-8.7	100	0.00
51 TMP m,p-Xylene	0.746	0.791	-6.0	100	0.00
52 TMP o-Xylene	0.741	0.769	-3.8	100	0.00
53 TMP Styrene	1.258	1.364	-8.4	100	0.00
54 TMP Isopropylbenzene	1.878	1.989	-5.9	100	0.00
55 TMP Bromoform	0.362	0.345	4.7	100	0.00
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	0.701	0.698	0.4	100	0.00
58 TMP n-Propylbenzene	3.165	3.266	-3.2	100	0.00
59 TMP Bromobenzene	0.916	0.987	-7.8	100	0.00
60 TMP 1,3,5-Trimethylbenzene	2.336	2.411	-3.2	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.806	0.860	-6.7	100	0.00
62 TMP 1,2,3-Trichloropropane	0.610	0.638	-4.6	100	0.00
63 TMP 2-Chlorotoluene	1.890	2.022	-7.0	100	0.00
64 TMP 4-Chlorotoluene	2.253	2.337	-3.7	100	0.00
65 TMP tert-Butylbenzene	2.062	2.176	-5.5	100	0.00
66 TMP 1,2,4-Trimethylbenzene	2.433	2.567	-5.5	100	0.00
67 TMP sec-Butylbenzene	2.769	2.882	-4.1	100	0.00
68 TMP p-Isopropyltoluene	2.526	2.653	-5.0	100	0.00
69 TMP 1,3-Dichlorobenzene	1.624	1.715	-5.6	100	0.00
70 TMP 1,4-Dichlorobenzene	1.675	1.803	-7.6	100	0.00
71 TMP 1,2-Dichlorobenzene	1.595	1.682	-5.5	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	0.167	0.153	8.4	100	0.00
73 TMP 1,2,4-Trichlorobenzene	1.200	1.261	-5.1	100	0.00
74 TMP Hexachlorobutadiene	0.463	0.486	-5.0	100	0.00
75 TMP Naphthalene	2.957	3.055	-3.3	100	0.00
76 TMP 1,2,3-Trichlorobenzene	1.136	1.224	-7.7	100	0.00

(#) = Out of Range

SPCC's out = 1 CCC's out = 0

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110811.D
 Acq On : 8 Nov 2022 1:17 pm
 Operator : LM
 Sample : 2 ppb 8260 ICAL 67-177L
 Misc : soil/water
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:35 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	4.78	96	88402	10.000	ppb	0.00
39) Chlorobenzene-d5	7.43	117	71977	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.65	152	47903	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.21	113	24540	10.098	ppb	0.00
Spiked Amount	10.000	Range	0 - 1000	Recovery	=	101.00%
30) 1,2-Dichloroethane-d4	4.49	102	5608	9.991	ppb	0.00
Spiked Amount	10.000	Range	90 - 109	Recovery	=	99.90%
35) Toluene-d8	6.14	98	86255	9.740	ppb	0.00
Spiked Amount	10.000	Range	89 - 112	Recovery	=	97.40%
57) 4-Bromofluorobenzene	8.54	95	33458	9.959	ppb	0.00
Spiked Amount	10.000	Range	84 - 115	Recovery	=	99.60%
Target Compounds						
2) Ethanol	0.00		0	N.D.	d	
4) Dichlorodifluoromethane	1.18	85	6960	1.922	ppb	92
5) Chloromethane	1.32	50	7520	2.240	ppb	94
6) Vinyl chloride	1.41	62	6473	2.032	ppb	91
7) Bromomethane	1.63	94	2970m	2.005	ppb	
8) Chloroethane	1.71	64	3823	2.289	ppb	77
9) Trichlorofluoromethane	1.89	101	10299m	2.074	ppb	
10) 2-Propanol	0.00		0	N.D.	d	
11) Acetone	2.38	58	3125	7.405	ppb	# 79
12) 1,1-Dichloroethene	2.32	96	6202	2.104	ppb	# 71
13) Hexane	3.21	57	6861	2.227	ppb	91
14) Methylene chloride	2.74	84	10230	2.089	ppb	# 80
15) t-Butyl alcohol (TBA)	2.87	59	4608	10.174	ppb	73
16) Methyl t-butyl ether (...)	2.99	73	18412	2.144	ppb	99
17) trans-1,2-Dichloroethene	2.97	96	6423	2.059	ppb	83
18) Diisopropyl ether (DIPE)	3.40	45	16356	2.082	ppb	95
19) 1,1-Dichloroethane	3.32	63	9927	2.096	ppb	94
20) Ethyl t-butyl ether (E...)	3.70	87	7969	2.121	ppb	93
21) 2,2-Dichloropropane	3.81	77	7322	2.269	ppb	95
22) cis-1,2-Dichloroethene	3.81	96	7128	2.111	ppb	# 75
23) Chloroform	4.08	83	10719	2.079	ppb	99
24) 2-Butanone (MEK)	3.83	43	16269	9.889	ppb	95
25) t-Amyl methyl ether (T...)	4.65	73	18227	2.140	ppb	96
26) 1,2-Dichloroethane (EDC)	4.55	62	8393	2.167	ppb	96
27) 1,1,1-Trichloroethane	4.23	97	10058	2.137	ppb	93
28) 1,1-Dichloropropene	4.37	75	8269	2.087	ppb	95
29) Carbon tetrachloride	4.37	117	8775	2.071	ppb	95
31) Benzene	4.54	78	24594	2.164	ppb	96
32) Trichloroethene	5.09	95	6617	2.007	ppb	80
33) 1,2-Dichloropropane	5.27	63	5343	2.125	ppb	92
34) Bromodichloromethane	5.51	83	7966	2.087	ppb	98
36) Dibromomethane	5.37	93	4029	2.113	ppb	80

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110811.D
 Acq On : 8 Nov 2022 1:17 pm
 Operator : LM
 Sample : 2 ppb 8260 ICAL 67-177L
 Misc : soil/water
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS4

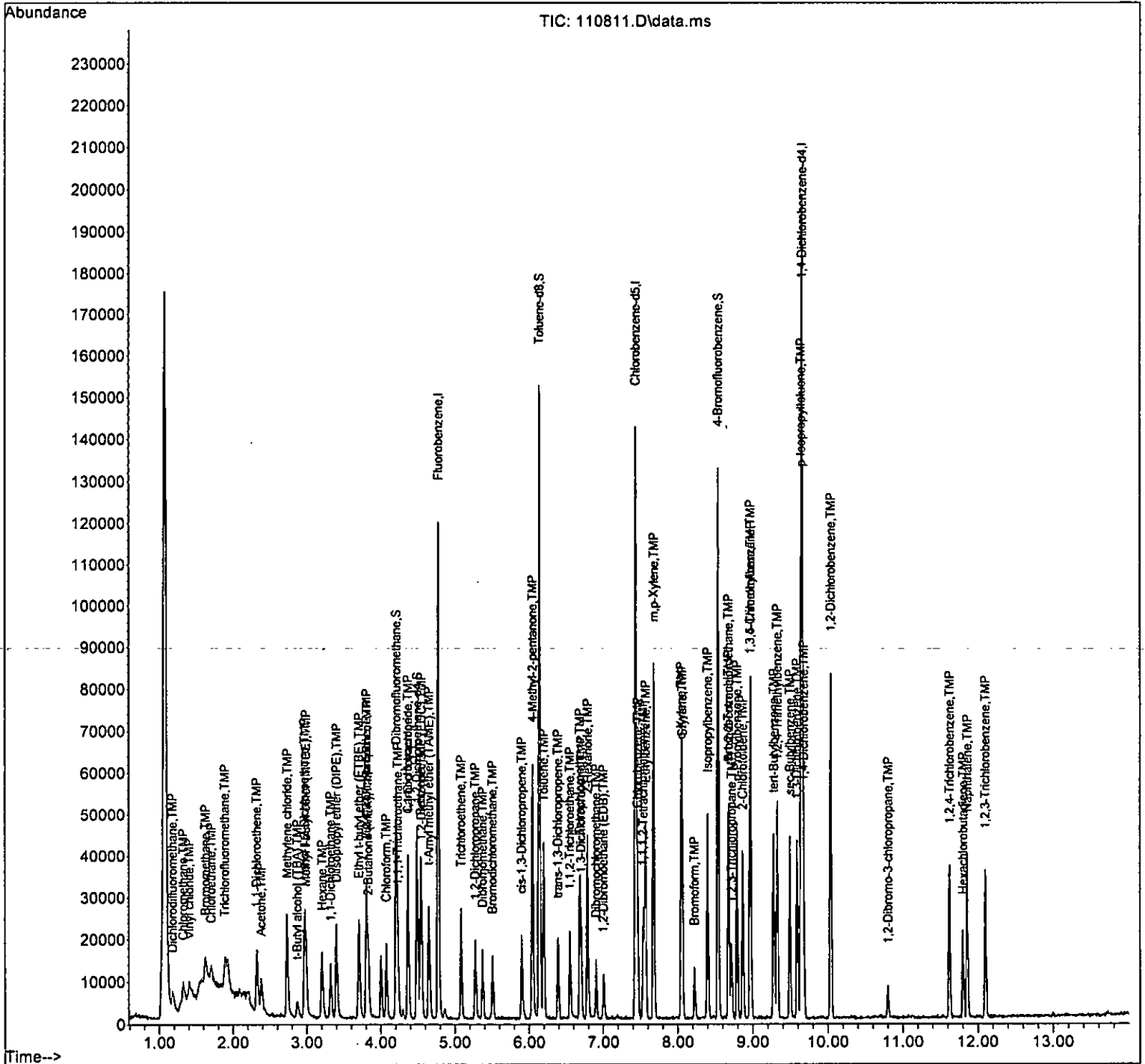
Quant Time: Nov 08 16:47:35 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
37) 4-Methyl-2-pentanone	6.05	85	6726	9.895	ppb	#	74
38) cis-1,3-Dichloropropene	5.90	75	8883	1.993	ppb		96
40) Toluene	6.20	92	15212	2.184	ppb		96
41) trans-1,3-Dichloropropene	6.39	75	7985	2.007	ppb		99
42) 1,1,2-Trichloroethane	6.55	83	4552	2.158	ppb		96
43) 2-Hexanone	6.79	43	23609	10.236	ppb		95
44) 1,3-Dichloropropane	6.70	76	8372	2.076	ppb		98
45) Tetrachloroethene	6.69	164	6793	2.191	ppb		94
46) Dibromochloromethane	6.91	129	6396	2.144	ppb		92
47) 1,2-Dibromoethane (EDB)	7.00	107	5925	2.067	ppb		98
48) Chlorobenzene	7.46	112	17257	2.088	ppb		91
49) Ethylbenzene	7.57	91	28020	2.110	ppb		94
50) 1,1,1,2-Tetrachloroethane	7.54	131	6659	2.174	ppb		95
51) m,p-Xylene	7.68	106	22778	4.242	ppb		92
52) o-Xylene	8.05	106	11069	2.075	ppb		87
53) Styrene	8.06	104	19637	2.169	ppb		88
54) Isopropylbenzene	8.40	105	28628	2.118	ppb		90
55) Bromoform	8.22	173	4969	2.048	ppb		91
58) n-Propylbenzene	8.79	91	31295	2.064	ppb		89
59) Bromobenzene	8.68	156	9453	2.155	ppb	#	82
60) 1,3,5-Trimethylbenzene	8.97	105	23103	2.064	ppb		81
61) 1,1,2,2-Tetrachloroethane	8.68	83	8238	2.133	ppb		93
62) 1,2,3-Trichloropropane	8.72	75	6109	2.089	ppb		98
63) 2-Chlorotoluene	8.87	91	19368	2.140	ppb		92
64) 4-Chlorotoluene	8.97	91	22392	2.075	ppb		84
65) tert-Butylbenzene	9.28	119	20845	2.110	ppb		83
66) 1,2,4-Trimethylbenzene	9.33	105	24597	2.110	ppb		91
67) sec-Butylbenzene	9.49	105	27615	2.082	ppb		93
68) p-Isopropyltoluene	9.64	119	25417	2.101	ppb		90
69) 1,3-Dichlorobenzene	9.59	146	16426	2.111	ppb		95
70) 1,4-Dichlorobenzene	9.68	146	17274	2.152	ppb		94
71) 1,2-Dichlorobenzene	10.04	146	16113	2.109	ppb		92
72) 1,2-Dibromo-3-chloropr...	10.80	75	1462	1.826	ppb	#	73
73) 1,2,4-Trichlorobenzene	11.62	180	12077	2.100	ppb		96
74) Hexachlorobutadiene	11.81	225	4657	2.101	ppb		98
75) Naphthalene	11.86	128	29266	2.066	ppb		99
76) 1,2,3-Trichlorobenzene	12.10	180	11722	2.154	ppb		92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110811.D
 Acq On : 8 Nov 2022 1:17 pm
 Operator : LM
 Sample : 2 ppb 8260 ICAL 67-177L
 Misc : soil/water
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:35 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110812.D
 Acq On : 8 Nov 2022 1:42 pm
 Operator : LM
 Sample : 5 ppb 8260 ICAL 67-177M
 Misc : soil/water
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:37 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2 TMP	Ethanol	-1.000	0.000	0.0	100	0.00
3 S	Dibromofluoromethane	10.000	9.840	1.6	100	0.00
4 TMP	Dichlorodifluoromethane	5.000	4.545	9.1	100	0.00
5 TMP	Chloromethane	5.000	4.484	10.3	100	0.00
6 TMP	Vinyl chloride	5.000	4.555	8.9	100	0.00
7 TMP	Bromomethane	5.000	4.266	14.7	100	0.00
8 TMP	Chloroethane	5.000	4.439	11.2	100	0.00
9 TMP	Trichlorofluoromethane	5.000	4.325	13.5	100	0.00
10 TMP	2-Propanol	-1.000	0.000	0.0	0	0.00
11 TMP	Acetone	25.000	22.627	9.5	100	0.00
12 TMP	1,1-Dichloroethene	5.000	4.210	15.8	100	0.00
13 TMP	Hexane	5.000	4.396	12.1	100	0.00
14 TMP	Methylene chloride	5.000	4.385	12.3	100	0.00
15 TMP	t-Butyl alcohol (TBA)	25.000	21.877	12.5	100	0.00
16 TMP	Methyl t-butyl ether (MTBE)	5.000	4.383	12.3	100	0.00
17 TMP	trans-1,2-Dichloroethene	5.000	4.239	15.2	100	0.00
18 TMP	Diisopropyl ether (DIPE)	5.000	4.237	15.3	100	0.00
19 TMP	1,1-Dichloroethane	5.000	4.300	14.0	100	0.00
20 TMP	Ethyl t-butyl ether (ETBE)	5.000	4.361	12.8	100	0.00
21 TMP	2,2-Dichloropropane	5.000	4.412	11.8	100	0.00
22 TMP	cis-1,2-Dichloroethene	5.000	4.193	16.1	100	0.00
23 TMP	Chloroform	5.000	4.344	13.1	100	0.00
24 TMP	2-Butanone (MEK)	25.000	20.747	17.0	100	0.00
25 TMP	t-Amyl methyl ether (TAME)	5.000	4.283	14.3	100	0.00
26 TMP	1,2-Dichloroethane (EDC)	5.000	4.271	14.6	100	0.00
27 TMP	1,1,1-Trichloroethane	5.000	4.250	15.0	100	0.00
28 TMP	1,1-Dichloropropene	5.000	4.260	14.8	100	0.00
29 TMP	Carbon tetrachloride	5.000	4.125	17.5	100	0.00
30 S	1,2-Dichloroethane-d4	10.000	10.123	-1.2	100	0.00
31 TMP	Benzene	5.000	4.180	16.4	100	0.00
32 TMP	Trichloroethene	5.000	4.112	17.8	100	0.00
33 TMP	1,2-Dichloropropane	5.000	4.304	13.9	100	0.00
34 TMP	Bromodichloromethane	5.000	4.036	19.3	100	0.00
35 S	Toluene-d8	10.000	9.903	1.0	100	0.00
36 TMP	Dibromomethane	5.000	4.245	15.1	100	0.00
37 TMP	4-Methyl-2-pentanone	25.000	21.006	16.0	100	0.00
38 TMP	cis-1,3-Dichloropropene	5.000	4.279	14.4	100	0.00
39 I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40 TMP	Toluene	5.000	4.180	16.4	100	0.00
41 TMP	trans-1,3-Dichloropropene	5.000	4.250	15.0	100	0.00
42 TMP	1,1,2-Trichloroethane	5.000	4.306	13.9	100	0.00
43 TMP	2-Hexanone	25.000	21.563	13.7	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110812.D
 Acq On : 8 Nov 2022 1:42 pm
 Operator : LM
 Sample : 5 ppb 8260 ICAL 67-177M
 Misc : soil/water
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:37 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	5.000	4.188	16.2	100	0.00
45 TMP Tetrachloroethene	5.000	4.287	14.3	100	0.00
46 TMP Dibromochloromethane	5.000	4.197	16.1	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	5.000	4.199	16.0	100	0.00
48 TMP Chlorobenzene	5.000	4.210	15.8	100	0.00
49 TMP Ethylbenzene	5.000	4.206	15.9	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	5.000	4.105	17.9	100	0.00
51 TMP m,p-Xylene	10.000	8.398	16.0	100	0.00
52 TMP o-Xylene	5.000	4.173	16.5	100	0.00
53 TMP Styrene	5.000	4.318	13.6	100	0.00
54 TMP Isopropylbenzene	5.000	4.207	15.9	100	0.00
55 TMP Bromoform	5.000	4.414	11.7	100	0.00
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	10.000	10.048	-0.5	100	0.00
58 TMP n-Propylbenzene	5.000	4.155	16.9	100	0.00
59 TMP Bromobenzene	5.000	4.335	13.3	100	0.00
60 TMP 1,3,5-Trimethylbenzene	5.000	4.208	15.8	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	5.000	4.319	13.6	100	0.00
62 TMP 1,2,3-Trichloropropane	5.000	4.322	13.6	100	0.00
63 TMP 2-Chlorotoluene	5.000	4.314	13.7	100	0.00
64 TMP 4-Chlorotoluene	5.000	4.201	16.0	100	0.00
65 TMP tert-Butylbenzene	5.000	4.235	15.3	100	0.00
66 TMP 1,2,4-Trimethylbenzene	5.000	4.194	16.1	100	0.00
67 TMP sec-Butylbenzene	5.000	4.216	15.7	100	0.00
68 TMP p-Isopropyltoluene	5.000	4.158	16.8	100	0.00
69 TMP 1,3-Dichlorobenzene	5.000	4.230	15.4	100	0.00
70 TMP 1,4-Dichlorobenzene	5.000	4.241	15.2	100	0.00
71 TMP 1,2-Dichlorobenzene	5.000	4.167	16.7	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	5.000	4.171	16.6	100	0.00
73 TMP 1,2,4-Trichlorobenzene	5.000	4.272	14.6	100	0.00
74 TMP Hexachlorobutadiene	5.000	4.521	9.6	100	0.00
75 TMP Naphthalene	5.000	4.289	14.2	100	0.00
76 TMP 1,2,3-Trichlorobenzene	5.000	4.265	14.7	100	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110812.D
 Acq On : 8 Nov 2022 1:42 pm
 Operator : LM
 Sample : 5 ppb 8260 ICAL 67-177M
 Misc : soil/water
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:37 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I Fluorobenzene	1.000	1.000	0.0	100	0.00
2 TMP Ethanol	0.000	0.000#	0.0	100	0.00
3 S Dibromofluoromethane	0.275	0.271	1.5	100	0.00
4 TMP Dichlorodifluoromethane	0.410	0.372	9.3	100	0.00
5 TMP Chloromethane	0.380	0.341	10.3	100	0.00
6 TMP Vinyl chloride	0.360	0.328	8.9	100	0.00
7 TMP Bromomethane	0.168	0.143	14.9	100	0.00
8 TMP Chloroethane	0.189	0.168	11.1	100	0.00
9 TMP Trichlorofluoromethane	0.562	0.486	13.5	100	0.00
10 TMP 2-Propanol	0.000	0.000	0.0	0#	0.00
11 TMP Acetone	0.037	0.028	24.3#	100	0.00
12 TMP 1,1-Dichloroethene	0.333	0.281	15.6	100	0.00
13 TMP Hexane	0.348	0.306	12.1	100	0.00
14 TMP Methylene chloride	0.369	0.375	-1.6	100	0.00
15 TMP t-Butyl alcohol (TBA)	0.051	0.045	11.8	100	0.00
16 TMP Methyl t-butyl ether (MTBE)	0.971	0.851	12.4	100	0.00
17 TMP trans-1,2-Dichloroethene	0.353	0.299	15.3	100	0.00
18 TMP Diisopropyl ether (DIPE)	0.889	0.753	15.3	100	0.00
19 TMP 1,1-Dichloroethane	0.536	0.461	14.0	100	0.00
20 TMP Ethyl t-butyl ether (ETBE)	0.425	0.371	12.7	100	0.00
21 TMP 2,2-Dichloropropane	0.352	0.312	11.4	100	0.00
22 TMP cis-1,2-Dichloroethene	0.382	0.320	16.2	100	0.00
23 TMP Chloroform	0.583	0.505	13.4	100	0.00
24 TMP 2-Butanone (MEK)	0.186	0.154	17.2	100	0.00
25 TMP t-Amyl methyl ether (TAME)	0.964	0.825	14.4	100	0.00
26 TMP 1,2-Dichloroethane (EDC)	0.438	0.374	14.6	100	0.00
27 TMP 1,1,1-Trichloroethane	0.532	0.453	14.8	100	0.00
28 TMP 1,1-Dichloropropene	0.448	0.382	14.7	100	0.00
29 TMP Carbon tetrachloride	0.479	0.395	17.5	100	0.00
30 S 1,2-Dichloroethane-d4	0.063	0.064	-1.6	100	0.00
31 TMP Benzene	1.286	1.075	16.4	100	0.00
32 TMP Trichloroethene	0.373	0.307	17.7	100	0.00
33 TMP 1,2-Dichloropropane	0.284	0.245	13.7	100	0.00
34 TMP Bromodichloromethane	0.432	0.348	19.4	100	0.00
35 S Toluene-d8	1.002	0.992	1.0	100	0.00
36 TMP Dibromomethane	0.216	0.183	15.3	100	0.00
37 TMP 4-Methyl-2-pentanone	0.077	0.065	15.6	100	0.00
38 TMP cis-1,3-Dichloropropene	0.504	0.431	14.5	100	0.00
39 I Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40 TMP Toluene	0.968	0.809	16.4	100	0.00
41 TMP trans-1,3-Dichloropropene	0.553	0.470	15.0	100	0.00
42 TMP 1,1,2-Trichloroethane	0.293	0.252	14.0	100	0.00
43 TMP 2-Hexanone	0.320	0.276	13.7	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110812.D
 Acq On : 8 Nov 2022 1:42 pm
 Operator : LM
 Sample : 5 ppb 8260 ICAL 67-177M
 Misc : soil/water
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:37 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.560	0.469	16.3	100	0.00
45 TMP Tetrachloroethene	0.431	0.369	14.4	100	0.00
46 TMP Dibromochloromethane	0.429	0.351	18.2	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	0.398	0.334	16.1	100	0.00
48 TMP Chlorobenzene	1.148	0.967	15.8	100	0.00
49 TMP Ethylbenzene	1.845	1.552	15.9	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.426	0.349	18.1	100	0.00
51 TMP m,p-Xylene	0.746	0.626	16.1	100	0.00
52 TMP o-Xylene	0.741	0.619	16.5	100	0.00
53 TMP Styrene	1.258	1.086	13.7	100	0.00
54 TMP Isopropylbenzene	1.878	1.580	15.9	100	0.00
55 TMP Bromoform	0.362	0.299	17.4	100	0.00
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	0.701	0.705	-0.6	100	0.00
58 TMP n-Propylbenzene	3.165	2.630	16.9	100	0.00
59 TMP Bromobenzene	0.916	0.794	13.3	100	0.00
60 TMP 1,3,5-Trimethylbenzene	2.336	1.966	15.8	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.806	0.696	13.6	100	0.00
62 TMP 1,2,3-Trichloropropane	0.610	0.528	13.4	100	0.00
63 TMP 2-Chlorotoluene	1.890	1.630	13.8	100	0.00
64 TMP 4-Chlorotoluene	2.253	1.893	16.0	100	0.00
65 TMP tert-Butylbenzene	2.062	1.747	15.3	100	0.00
66 TMP 1,2,4-Trimethylbenzene	2.433	2.041	16.1	100	0.00
67 TMP sec-Butylbenzene	2.769	2.335	15.7	100	0.00
68 TMP p-Isopropyltoluene	2.526	2.100	16.9	100	0.00
69 TMP 1,3-Dichlorobenzene	1.624	1.374	15.4	100	0.00
70 TMP 1,4-Dichlorobenzene	1.675	1.421	15.2	100	0.00
71 TMP 1,2-Dichlorobenzene	1.595	1.329	16.7	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	0.167	0.139	16.8	100	0.00
73 TMP 1,2,4-Trichlorobenzene	1.200	1.026	14.5	100	0.00
74 TMP Hexachlorobutadiene	0.463	0.418	9.7	100	0.00
75 TMP Naphthalene	2.957	2.536	14.2	100	0.00
76 TMP 1,2,3-Trichlorobenzene	1.136	0.969	14.7	100	0.00

(#) = Out of Range

SPCC's out = 1 CCC's out = 0

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110812.D
 Acq On : 8 Nov 2022 1:42 pm
 Operator : LM
 Sample : 5 ppb 8260 ICAL 67-177M
 Misc : soil/water
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:37 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	4.78	96	89475	10.000	ppb	0.00
39) Chlorobenzene-d5	7.43	117	75227	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.65	152	49685	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.21	113	24204	9.840	ppb	0.00
Spiked Amount	10.000	Range	0 - 1000	Recovery	=	98.40%
30) 1,2-Dichloroethane-d4	4.49	102	5751	10.123	ppb	0.00
Spiked Amount	10.000	Range	90 - 109	Recovery	=	101.20%
35) Toluene-d8	6.14	98	88763	9.903	ppb	0.00
Spiked Amount	10.000	Range	89 - 112	Recovery	=	99.00%
57) 4-Bromofluorobenzene	8.54	95	35011	10.048	ppb	0.00
Spiked Amount	10.000	Range	84 - 115	Recovery	=	100.50%
Target Compounds						
2) Ethanol	1.07	45	4011	No Calib		Qvalue
4) Dichlorodifluoromethane	1.18	85	16657	4.545	ppb	100
5) Chloromethane	1.32	50	15238	4.484	ppb	97
6) Vinyl chloride	1.40	62	14685	4.555	ppb	95
7) Bromomethane	1.63	94	6395	4.266	ppb	94
8) Chloroethane	1.70	64	7504	4.439	ppb	96
9) Trichlorofluoromethane	1.89	101	21736	4.325	ppb	96
10) 2-Propanol	2.98	45	2008	No Calib		
11) Acetone	2.38	58	6221	22.627	ppb	94
12) 1,1-Dichloroethene	2.32	96	12558	4.210	ppb	# 80
13) Hexane	3.21	57	13709	4.396	ppb	94
14) Methylene chloride	2.73	84	16785	4.385	ppb	86
15) t-Butyl alcohol (TBA)	2.87	59	10029	21.877	ppb	84
16) Methyl t-butyl ether (...)	2.99	73	38093	4.383	ppb	98
17) trans-1,2-Dichloroethene	2.97	96	13385	4.239	ppb	84
18) Diisopropyl ether (DIPE)	3.40	45	33689	4.237	ppb	91
19) 1,1-Dichloroethane	3.32	63	20612	4.300	ppb	97
20) Ethyl t-butyl ether (E...)	3.70	87	16582	4.361	ppb	# 78
21) 2,2-Dichloropropane	3.81	77	13949	4.412	ppb	97
22) cis-1,2-Dichloroethene	3.81	96	14332	4.193	ppb	# 81
23) Chloroform	4.08	83	22601	4.344	ppb	95
24) 2-Butanone (MEK)	3.83	43	34547	20.747	ppb	98
25) t-Amyl methyl ether (T...)	4.65	73	36930	4.283	ppb	98
26) 1,2-Dichloroethane (EDC)	4.56	62	16745	4.271	ppb	88
27) 1,1,1-Trichloroethane	4.23	97	20245	4.250	ppb	93
28) 1,1-Dichloropropene	4.37	75	17079	4.260	ppb	92
29) Carbon tetrachloride	4.37	117	17688	4.125	ppb	95
31) Benzene	4.54	78	48080	4.180	ppb	96
32) Trichloroethene	5.09	95	13720	4.112	ppb	83
33) 1,2-Dichloropropane	5.28	63	10952	4.304	ppb	94
34) Bromodichloromethane	5.51	83	15589	4.036	ppb	95
36) Dibromomethane	5.37	93	8194	4.245	ppb	# 80

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110812.D
 Acq On : 8 Nov 2022 1:42 pm
 Operator : LM
 Sample : 5 ppb 8260 ICAL 67-177M
 Misc : soil/water
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS4

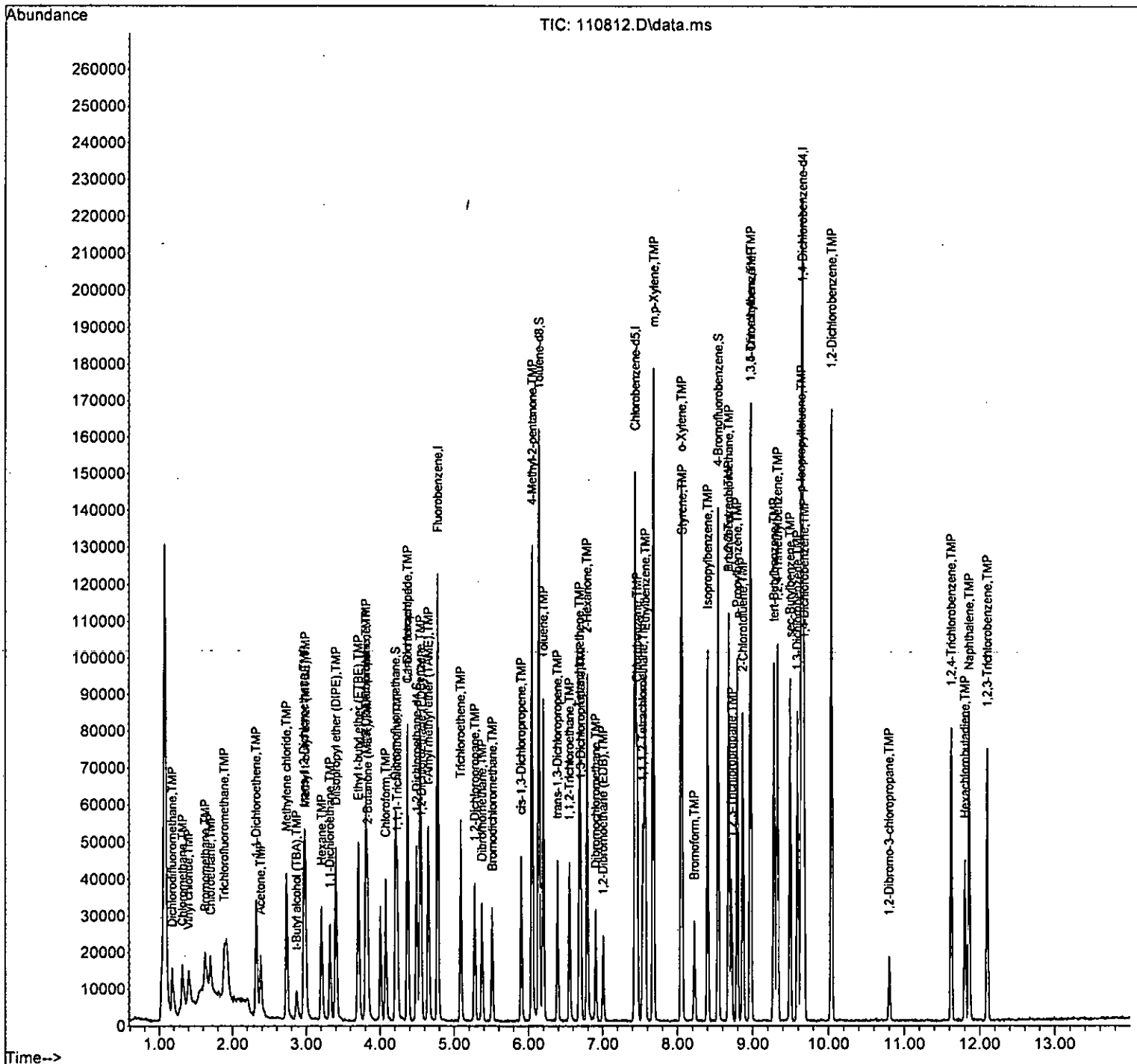
Quant Time: Nov 08 16:47:37 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
37) 4-Methyl-2-pentanone	6.05	85	14452	21.006	ppb	#	75
38) cis-1,3-Dichloropropene	5.90	75	19303	4.279	ppb		92
40) Toluene	6.20	92	30432	4.180	ppb		99
41) trans-1,3-Dichloropropene	6.39	75	17675	4.250	ppb		93
42) 1,1,2-Trichloroethane	6.55	83	9494	4.306	ppb		95
43) 2-Hexanone	6.79	43	51977	21.563	ppb		97
44) 1,3-Dichloropropane	6.70	76	17651	4.188	ppb		96
45) Tetrachloroethene	6.69	164	13894	4.287	ppb		96
46) Dibromochloromethane	6.91	129	13195	4.197	ppb		99
47) 1,2-Dibromoethane (EDB)	7.00	107	12577	4.199	ppb		94
48) Chlorobenzene	7.46	112	36358	4.210	ppb		90
49) Ethylbenzene	7.57	91	58382	4.206	ppb		97
50) 1,1,1,2-Tetrachloroethane	7.54	131	13142	4.105	ppb		94
51) m,p-Xylene	7.68	106	47127	8.398	ppb		90
52) o-Xylene	8.05	106	23267	4.173	ppb	#	80
53) Styrene	8.06	104	40867	4.318	ppb		86
54) Isopropylbenzene	8.40	105	59440	4.207	ppb		93
55) Bromoform	8.22	173	11253	4.414	ppb		99
58) n-Propylbenzene	8.79	91	65339	4.155	ppb		92
59) Bromobenzene	8.68	156	19726	4.335	ppb	#	79
60) 1,3,5-Trimethylbenzene	8.97	105	48841	4.208	ppb		86
61) 1,1,2,2-Tetrachloroethane	8.68	83	17296	4.319	ppb		96
62) 1,2,3-Trichloropropane	8.72	75	13108	4.322	ppb		100
63) 2-Chlorotoluene	8.87	91	40504	4.314	ppb		90
64) 4-Chlorotoluene	8.97	91	47025	4.201	ppb		87
65) tert-Butylbenzene	9.28	119	43398	4.235	ppb		84
66) 1,2,4-Trimethylbenzene	9.33	105	50700	4.194	ppb		93
67) sec-Butylbenzene	9.49	105	58002	4.216	ppb		94
68) p-Isopropyltoluene	9.64	119	52174	4.158	ppb		92
69) 1,3-Dichlorobenzene	9.59	146	34132	4.230	ppb		97
70) 1,4-Dichlorobenzene	9.68	146	35305	4.241	ppb		95
71) 1,2-Dichlorobenzene	10.04	146	33023	4.167	ppb		94
72) 1,2-Dibromo-3-chloropr...	10.80	75	3463	4.171	ppb	#	66
73) 1,2,4-Trichlorobenzene	11.62	180	25476	4.272	ppb		96
74) Hexachlorobutadiene	11.81	225	10392	4.521	ppb		99
75) Naphthalene	11.86	128	63005	4.289	ppb		98
76) 1,2,3-Trichlorobenzene	12.10	180	24074	4.265	ppb		97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110812.D
 Acq On : 8 Nov 2022 1:42 pm
 Operator : LM
 Sample : 5 ppb 8260 ICAL 67-177M
 Misc : soil/water
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:37 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110813.D
 Acq On : 8 Nov 2022 2:06 pm
 Operator : LM
 Sample : 10 ppb 8260 ICAL 67-177N
 Misc : soil/water
 ALS Vial : 11 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:39 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I Fluorobenzene	10.000	10.000	0.0	100	0.00
2 TMP Ethanol	-1.000	0.000	0.0	100	0.00
3 S Dibromofluoromethane	10.000	10.244	-2.4	100	0.00
4 TMP Dichlorodifluoromethane	10.000	10.917	-9.2	100	0.00
5 TMP Chloromethane	10.000	10.568	-5.7	100	0.00
6 TMP Vinyl chloride	10.000	10.876	-8.8	100	0.00
7 TMP Bromomethane	10.000	10.393	-3.9	100	0.00
8 TMP Chloroethane	10.000	10.105	-1.1	100	0.00
9 TMP Trichlorofluoromethane	10.000	10.225	-2.2	100	0.00
10 TMP 2-Propanol	-1.000	0.000	0.0	0	0.00
11 TMP Acetone	50.000	62.187	-24.4#	100	0.00
12 TMP 1,1-Dichloroethene	10.000	9.740	2.6	100	0.00
13 TMP Hexane	10.000	9.810	1.9	100	0.00
14 TMP Methylene chloride	10.000	10.387	-3.9	100	0.00
15 TMP t-Butyl alcohol (TBA)	50.000	50.639	-1.3	100	0.00
16 TMP Methyl t-butyl ether (MTBE)	10.000	10.190	-1.9	100	0.00
17 TMP trans-1,2-Dichloroethene	10.000	9.834	1.7	100	0.00
18 TMP Diisopropyl ether (DIPE)	10.000	9.819	1.8	100	0.00
19 TMP 1,1-Dichloroethane	10.000	9.982	0.2	100	0.00
20 TMP Ethyl t-butyl ether (ETBE)	10.000	10.119	-1.2	100	0.00
21 TMP 2,2-Dichloropropane	10.000	10.365	-3.7	100	0.00
22 TMP cis-1,2-Dichloroethene	10.000	9.679	3.2	100	0.00
23 TMP Chloroform	10.000	10.137	-1.4	100	0.00
24 TMP 2-Butanone (MEK)	50.000	46.516	7.0	100	0.00
25 TMP t-Amyl methyl ether (TAME)	10.000	10.117	-1.2	100	0.00
26 TMP 1,2-Dichloroethane (EDC)	10.000	9.898	1.0	100	0.00
27 TMP 1,1,1-Trichloroethane	10.000	9.992	0.1	100	0.00
28 TMP 1,1-Dichloropropene	10.000	9.771	2.3	100	0.00
29 TMP Carbon tetrachloride	10.000	9.838	1.6	100	0.00
30 S 1,2-Dichloroethane-d4	10.000	10.078	-0.8	100	0.00
31 TMP Benzene	10.000	9.786	2.1	100	0.00
32 TMP Trichloroethene	10.000	9.563	4.4	100	0.00
33 TMP 1,2-Dichloropropane	10.000	10.157	-1.6	100	0.00
34 TMP Bromodichloromethane	10.000	9.710	2.9	100	0.00
35 S Toluene-d8	10.000	10.073	-0.7	100	0.00
36 TMP Dibromomethane	10.000	10.126	-1.3	100	0.00
37 TMP 4-Methyl-2-pentanone	50.000	48.997	2.0	100	0.00
38 TMP cis-1,3-Dichloropropene	10.000	9.965	0.4	100	0.00
39 I Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40 TMP Toluene	10.000	9.729	2.7	100	0.00
41 TMP trans-1,3-Dichloropropene	10.000	9.881	1.2	100	0.00
42 TMP 1,1,2-Trichloroethane	10.000	9.782	2.2	100	0.00
43 TMP 2-Hexanone	50.000	49.416	1.2	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110813.D
 Acq On : 8 Nov 2022 2:06 pm
 Operator : LM
 Sample : 10 ppb 8260 ICAL 67-177N
 Misc : soil/water
 ALS Vial : 11 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:39 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	10.000	9.873	1.3	100	0.00
45 TMP Tetrachloroethene	10.000	9.733	2.7	100	0.00
46 TMP Dibromochloromethane	10.000	10.084	-0.8	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	10.000	9.981	0.2	100	0.00
48 TMP Chlorobenzene	10.000	9.963	0.4	100	0.00
49 TMP Ethylbenzene	10.000	9.813	1.9	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	10.000	10.002	-0.0	100	0.00
51 TMP m,p-Xylene	20.000	19.591	2.0	100	0.00
52 TMP o-Xylene	10.000	9.819	1.8	100	0.00
53 TMP Styrene	10.000	10.046	-0.5	100	0.00
54 TMP Isopropylbenzene	10.000	9.843	1.6	100	0.00
55 TMP Bromoform	10.000	10.514	-5.1	100	0.00
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	10.000	10.006	-0.1	100	0.00
58 TMP n-Propylbenzene	10.000	9.765	2.3	100	0.00
59 TMP Bromobenzene	10.000	10.060	-0.6	100	0.00
60 TMP 1,3,5-Trimethylbenzene	10.000	9.726	2.7	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	10.000	10.067	-0.7	100	0.00
62 TMP 1,2,3-Trichloropropane	10.000	10.197	-2.0	100	0.00
63 TMP 2-Chlorotoluene	10.000	9.813	1.9	100	0.00
64 TMP 4-Chlorotoluene	10.000	9.793	2.1	100	0.00
65 TMP tert-Butylbenzene	10.000	9.865	1.3	100	0.00
66 TMP 1,2,4-Trimethylbenzene	10.000	9.698	3.0	100	0.00
67 TMP sec-Butylbenzene	10.000	9.778	2.2	100	0.00
68 TMP p-Isopropyltoluene	10.000	9.727	2.7	100	0.00
69 TMP 1,3-Dichlorobenzene	10.000	9.944	0.6	100	0.00
70 TMP 1,4-Dichlorobenzene	10.000	9.824	1.8	100	0.00
71 TMP 1,2-Dichlorobenzene	10.000	9.861	1.4	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	10.000	10.119	-1.2	100	0.00
73 TMP 1,2,4-Trichlorobenzene	10.000	9.826	1.7	100	0.00
74 TMP Hexachlorobutadiene	10.000	9.518	4.8	100	0.00
75 TMP Naphthalene	10.000	10.019	-0.2	100	0.00
76 TMP 1,2,3-Trichlorobenzene	10.000	10.024	-0.2	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110813.D
 Acq On : 8 Nov 2022 2:06 pm
 Operator : LM
 Sample : 10 ppb 8260 ICAL 67-177N
 Misc : soil/water
 ALS Vial : 11 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:39 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I Fluorobenzene	1.000	1.000	0.0	100	0.00
2 TMP Ethanol	0.000	0.000#	0.0	100	0.00
3 S Dibromofluoromethane	0.275	0.282	-2.5	100	0.00
4 TMP Dichlorodifluoromethane	0.410	0.447	-9.0	100	0.00
5 TMP Chloromethane	0.380	0.401	-5.5	100	0.00
6 TMP Vinyl chloride	0.360	0.392	-8.9	100	0.00
7 TMP Bromomethane	0.168	0.174	-3.6	100	0.00
8 TMP Chloroethane	0.189	0.191	-1.1	100	0.00
9 TMP Trichlorofluoromethane	0.562	0.574	-2.1	100	0.00
10 TMP 2-Propanol	0.000	0.000	0.0	0#	0.00
11 TMP Acetone	0.037	0.033	10.8	100	0.00
12 TMP 1,1-Dichloroethene	0.333	0.325	2.4	100	0.00
13 TMP Hexane	0.348	0.342	1.7	100	0.00
14 TMP Methylene chloride	0.369	0.375	-1.6	100	0.00
15 TMP t-Butyl alcohol (TBA)	0.051	0.052	-2.0	100	0.00
16 TMP Methyl t-butyl ether (MTBE)	0.971	0.990	-2.0	100	0.00
17 TMP trans-1,2-Dichloroethene	0.353	0.347	1.7	100	0.00
18 TMP Diisopropyl ether (DIPE)	0.889	0.872	1.9	100	0.00
19 TMP 1,1-Dichloroethane	0.536	0.535	0.2	100	0.00
20 TMP Ethyl t-butyl ether (ETBE)	0.425	0.430	-1.2	100	0.00
21 TMP 2,2-Dichloropropane	0.352	0.358	-1.7	100	0.00
22 TMP cis-1,2-Dichloroethene	0.382	0.370	3.1	100	0.00
23 TMP Chloroform	0.583	0.589	-1.0	100	0.00
24 TMP 2-Butanone (MEK)	0.186	0.173	7.0	100	0.00
25 TMP t-Amyl methyl ether (TAME)	0.964	0.975	-1.1	100	0.00
26 TMP 1,2-Dichloroethane (EDC)	0.438	0.434	0.9	100	0.00
27 TMP 1,1,1-Trichloroethane	0.532	0.532	0.0	100	0.00
28 TMP 1,1-Dichloropropene	0.448	0.438	2.2	100	0.00
29 TMP Carbon tetrachloride	0.479	0.471	1.7	100	0.00
30 S 1,2-Dichloroethane-d4	0.063	0.064	-1.6	100	0.00
31 TMP Benzene	1.286	1.258	2.2	100	0.00
32 TMP Trichloroethene	0.373	0.357	4.3	100	0.00
33 TMP 1,2-Dichloropropane	0.284	0.289	-1.8	100	0.00
34 TMP Bromodichloromethane	0.432	0.419	3.0	100	0.00
35 S Toluene-d8	1.002	1.009	-0.7	100	0.00
36 TMP Dibromomethane	0.216	0.218	-0.9	100	0.00
37 TMP 4-Methyl-2-pentanone	0.077	0.075	2.6	100	0.00
38 TMP cis-1,3-Dichloropropene	0.504	0.502	0.4	100	0.00
39 I Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40 TMP Toluene	0.968	0.942	2.7	100	0.00
41 TMP trans-1,3-Dichloropropene	0.553	0.546	1.3	100	0.00
42 TMP 1,1,2-Trichloroethane	0.293	0.287	2.0	100	0.00
43 TMP 2-Hexanone	0.320	0.317	0.9	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110813.D
 Acq On : 8 Nov 2022 2:06 pm
 Operator : LM
 Sample : 10 ppb 8260 ICAL 67-177N
 Misc : soil/water
 ALS Vial : 11 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:39 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.560	0.553	1.3	100	0.00
45 TMP Tetrachloroethene	0.431	0.419	2.8	100	0.00
46 TMP Dibromochloromethane	0.429	0.425	0.9	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	0.398	0.397	0.3	100	0.00
48 TMP Chlorobenzene	1.148	1.144	0.3	100	0.00
49 TMP Ethylbenzene	1.845	1.811	1.8	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.426	0.426	0.0	100	0.00
51 TMP m,p-Xylene	0.746	0.731	2.0	100	0.00
52 TMP o-Xylene	0.741	0.728	1.8	100	0.00
53 TMP Styrene	1.258	1.264	-0.5	100	0.00
54 TMP Isopropylbenzene	1.878	1.849	1.5	100	0.00
55 TMP Bromoform	0.362	0.360	0.6	100	0.00
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	0.701	0.702	-0.1	100	0.00
58 TMP n-Propylbenzene	3.165	3.091	2.3	100	0.00
59 TMP Bromobenzene	0.916	0.921	-0.5	100	0.00
60 TMP 1,3,5-Trimethylbenzene	2.336	2.272	2.7	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.806	0.812	-0.7	100	0.00
62 TMP 1,2,3-Trichloropropane	0.610	0.622	-2.0	100	0.00
63 TMP 2-Chlorotoluene	1.890	1.854	1.9	100	0.00
64 TMP 4-Chlorotoluene	2.253	2.206	2.1	100	0.00
65 TMP tert-Butylbenzene	2.062	2.035	1.3	100	0.00
66 TMP 1,2,4-Trimethylbenzene	2.433	2.360	3.0	100	0.00
67 TMP sec-Butylbenzene	2.769	2.707	2.2	100	0.00
68 TMP p-Isopropyltoluene	2.526	2.457	2.7	100	0.00
69 TMP 1,3-Dichlorobenzene	1.624	1.615	0.6	100	0.00
70 TMP 1,4-Dichlorobenzene	1.675	1.646	1.7	100	0.00
71 TMP 1,2-Dichlorobenzene	1.595	1.573	1.4	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	0.167	0.169	-1.2	100	0.00
73 TMP 1,2,4-Trichlorobenzene	1.200	1.179	1.7	100	0.00
74 TMP Hexachlorobutadiene	0.463	0.440	5.0	100	0.00
75 TMP Naphthalene	2.957	2.962	-0.2	100	0.00
76 TMP 1,2,3-Trichlorobenzene	1.136	1.139	-0.3	100	0.00

(#) = Out of Range

SPCC's out = 1 CCC's out = 0

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110813.D
 Acq On : 8 Nov 2022 2:06 pm
 Operator : LM
 Sample : 10 ppb 8260 ICAL 67-177N
 Misc : soil/water
 ALS Vial : 11 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:39 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	4.78	96	86139	10.000	ppb	0.00
39) Chlorobenzene-d5	7.43	117	72870	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.65	152	48476	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.21	113	24257	10.244	ppb	0.00
Spiked Amount	10.000	Range	0 - 1000	Recovery	=	102.40%
30) 1,2-Dichloroethane-d4	4.49	102	5512	10.078	ppb	0.00
Spiked Amount	10.000	Range	90 - 109	Recovery	=	100.80%
35) Toluene-d8	6.14	98	86923	10.073	ppb	0.00
Spiked Amount	10.000	Range	89 - 112	Recovery	=	100.70%
57) 4-Bromofluorobenzene	8.54	95	34015	10.006	ppb	0.00
Spiked Amount	10.000	Range	84 - 115	Recovery	=	100.10%
Target Compounds						
						Qvalue
2) Ethanol	1.07	45	3675	No Calib		
4) Dichlorodifluoromethane	1.17	85	38520	10.917	ppb	93
5) Chloromethane	1.31	50	34573	10.568	ppb	98
6) Vinyl chloride	1.40	62	33754	10.876	ppb	99
7) Bromomethane	1.62	94	14997	10.393	ppb	96
8) Chloroethane	1.70	64	16446	10.105	ppb	96
9) Trichlorofluoromethane	1.89	101	49471	10.225	ppb	97
10) 2-Propanol	2.99	45	4187	No Calib		
11) Acetone	2.38	58	14269	62.187	ppb	# 85
12) 1,1-Dichloroethene	2.32	96	27970	9.740	ppb	# 80
13) Hexane	3.21	57	29450	9.810	ppb	95
14) Methylene chloride	2.73	84	32340	10.387	ppb	87
15) t-Butyl alcohol (TBA)	2.87	59	22349	50.639	ppb	91
16) Methyl t-butyl ether (...)	2.99	73	85266	10.190	ppb	98
17) trans-1,2-Dichloroethene	2.97	96	29891	9.834	ppb	82
18) Diisopropyl ether (DIPE)	3.40	45	75154	9.819	ppb	92
19) 1,1-Dichloroethane	3.32	63	46066	9.982	ppb	98
20) Ethyl t-butyl ether (E...)	3.70	87	37042	10.119	ppb	84
21) 2,2-Dichloropropane	3.81	77	30831	10.365	ppb	98
22) cis-1,2-Dichloroethene	3.81	96	31848	9.679	ppb	83
23) Chloroform	4.08	83	50696	10.137	ppb	98
24) 2-Butanone (MEK)	3.83	43	74567	46.516	ppb	93
25) t-Amyl methyl ether (T...)	4.65	73	83979	10.117	ppb	99
26) 1,2-Dichloroethane (EDC)	4.55	62	37360	9.898	ppb	96
27) 1,1,1-Trichloroethane	4.23	97	45822	9.992	ppb	94
28) 1,1-Dichloropropene	4.37	75	37718	9.771	ppb	89
29) Carbon tetrachloride	4.37	117	40614	9.838	ppb	93
31) Benzene	4.54	78	108371	9.786	ppb	95
32) Trichloroethene	5.09	95	30717	9.563	ppb	79
33) 1,2-Dichloropropane	5.28	63	24884	10.157	ppb	92
34) Bromodichloromethane	5.51	83	36106	9.710	ppb	97
36) Dibromomethane	5.37	93	18816	10.126	ppb	84

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110813.D
 Acq On : 8 Nov 2022 2:06 pm
 Operator : LM
 Sample : 10 ppb 8260 ICAL 67-177N
 Misc : soil/water
 ALS Vial : 11 Sample Multiplier: 1
 InstName : GCMS4

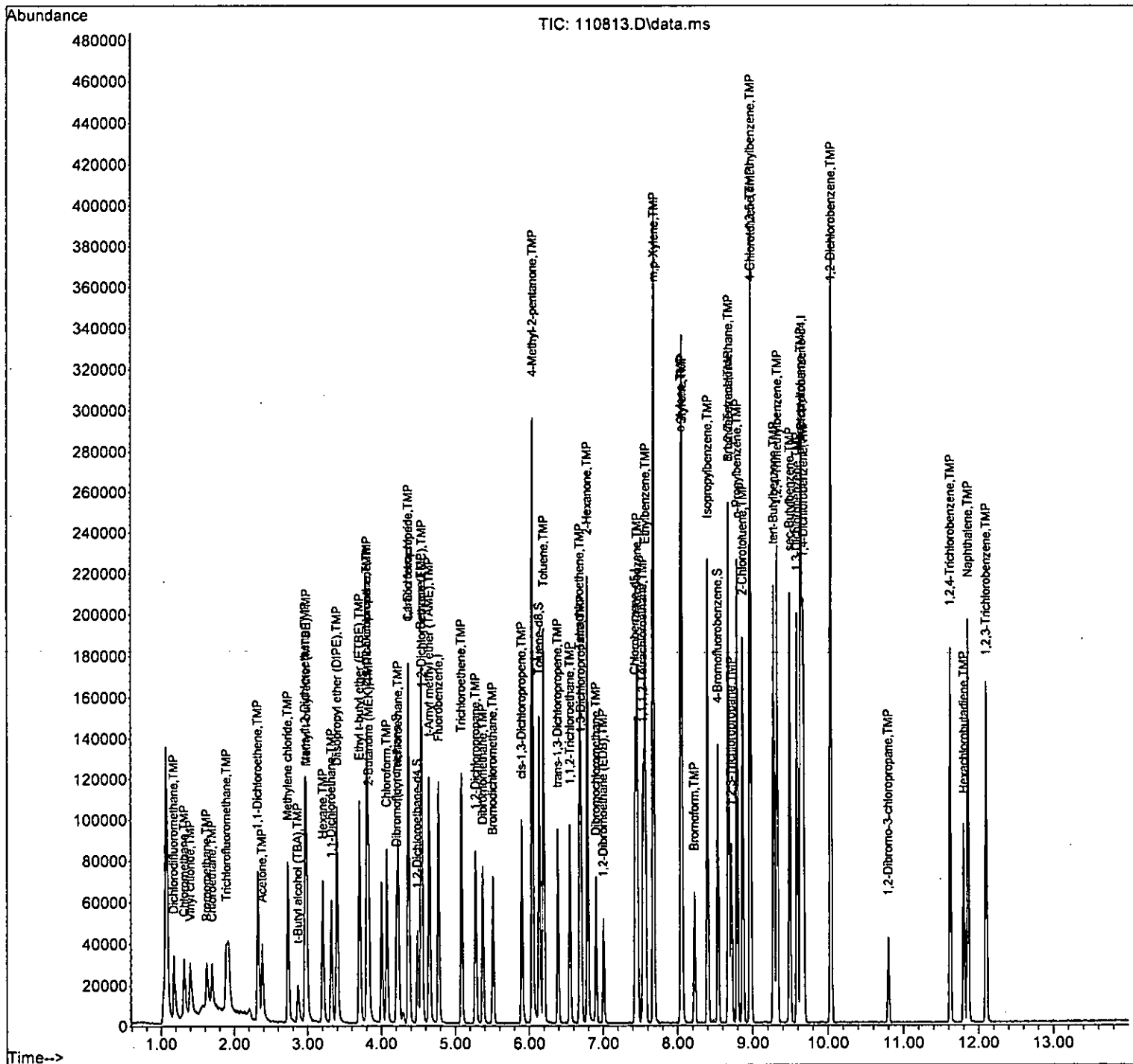
Quant Time: Nov 08 16:47:39 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	6.05	85	32453	48.997	ppb	# 76
38) cis-1,3-Dichloropropene	5.90	75	43280	9.965	ppb	94
40) Toluene	6.20	92	68608	9.729	ppb	97
41) trans-1,3-Dichloropropene	6.39	75	39809	9.881	ppb	96
42) 1,1,2-Trichloroethane	6.56	83	20892	9.782	ppb	90
43) 2-Hexanone	6.79	43	115386	49.416	ppb	97
44) 1,3-Dichloropropane	6.70	76	40305	9.873	ppb	98
45) Tetrachloroethene	6.69	164	30558	9.733	ppb	98
46) Dibromochloromethane	6.91	129	30998	10.084	ppb	98
47) 1,2-Dibromoethane (EDB)	7.00	107	28961	9.981	ppb	93
48) Chlorobenzene	7.46	112	83349	9.963	ppb	87
49) Ethylbenzene	7.57	91	131940	9.813	ppb	92
50) 1,1,1,2-Tetrachloroethane	7.54	131	31017	10.002	ppb	96
51) m,p-Xylene	7.68	106	106488	19.591	ppb	86
52) o-Xylene	8.05	106	53035	9.819	ppb	87
53) Styrene	8.06	104	92093	10.046	ppb	86
54) Isopropylbenzene	8.40	105	134703	9.843	ppb	94
55) Bromoform	8.22	173	26242	10.514	ppb	98
58) n-Propylbenzene	8.79	91	149824	9.765	ppb	92
59) Bromobenzene	8.68	156	44663	10.060	ppb	# 81
60) 1,3,5-Trimethylbenzene	8.97	105	110148	9.726	ppb	84
61) 1,1,2,2-Tetrachloroethane	8.68	83	39339	10.067	ppb	99
62) 1,2,3-Trichloropropane	8.72	75	30176	10.197	ppb	98
63) 2-Chlorotoluene	8.87	91	89886	9.813	ppb	88
64) 4-Chlorotoluene	8.97	91	106962	9.793	ppb	88
65) tert-Butylbenzene	9.28	119	98631	9.865	ppb	84
66) 1,2,4-Trimethylbenzene	9.33	105	114387	9.698	ppb	89
67) sec-Butylbenzene	9.49	105	131242	9.778	ppb	91
68) p-Isopropyltoluene	9.64	119	119083	9.727	ppb	92
69) 1,3-Dichlorobenzene	9.59	146	78288	9.944	ppb	96
70) 1,4-Dichlorobenzene	9.68	146	79781	9.824	ppb	96
71) 1,2-Dichlorobenzene	10.04	146	76245	9.861	ppb	94
72) 1,2-Dibromo-3-chloropr...	10.80	75	8198	10.119	ppb	# 72
73) 1,2,4-Trichlorobenzene	11.62	180	57175	9.826	ppb	98
74) Hexachlorobutadiene	11.81	225	21349	9.518	ppb	98
75) Naphthalene	11.86	128	143609	10.019	ppb	99
76) 1,2,3-Trichlorobenzene	12.10	180	55201	10.024	ppb	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110813.D
 Acq On : 8 Nov 2022 2:06 pm
 Operator : LM
 Sample : 10 ppb 8260 ICAL 67-177N
 Misc : soil/water
 ALS Vial : 11 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:39 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110814.D
 Acq On : 8 Nov 2022 2:30 pm
 Operator : LM
 Sample : 20 ppb 8260 ICAL 67-1770
 Misc : soil/water
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:41 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I Fluorobenzene	10.000	10.000	0.0	100	0.00
2 TMP Ethanol	-1.000	0.000	0.0	100	0.00
3 S Dibromofluoromethane	10.000	10.076	-0.8	100	0.00
4 TMP Dichlorodifluoromethane	20.000	20.024	-0.1	100	0.00
5 TMP Chloromethane	20.000	18.863	5.7	100	0.00
6 TMP Vinyl chloride	20.000	19.553	2.2	100	0.00
7 TMP Bromomethane	20.000	16.930	15.4	100	0.00
8 TMP Chloroethane	20.000	18.005	10.0	100	0.00
9 TMP Trichlorofluoromethane	20.000	18.677	6.6	100	0.00
10 TMP 2-Propanol	-1.000	0.000	0.0	0	0.00
11 TMP Acetone	100.000	111.742	-11.7	100	0.00
12 TMP 1,1-Dichloroethene	20.000	18.213	8.9	100	0.00
13 TMP Hexane	20.000	17.939	10.3	100	0.00
14 TMP Methylene chloride	20.000	19.138	4.3	100	0.00
15 TMP t-Butyl alcohol (TBA)	100.000	95.296	4.7	100	0.00
16 TMP Methyl t-butyl ether (MTBE)	20.000	18.777	6.1	100	0.00
17 TMP trans-1,2-Dichloroethene	20.000	17.979	10.1	100	0.00
18 TMP Diisopropyl ether (DIPE)	20.000	18.490	7.6	100	0.00
19 TMP 1,1-Dichloroethane	20.000	18.418	7.9	100	0.00
20 TMP Ethyl t-butyl ether (ETBE)	20.000	18.693	6.5	100	0.00
21 TMP 2,2-Dichloropropane	20.000	18.940	5.3	100	0.00
22 TMP cis-1,2-Dichloroethene	20.000	18.186	9.1	100	0.00
23 TMP Chloroform	20.000	18.801	6.0	100	0.00
24 TMP 2-Butanone (MEK)	100.000	86.692	13.3	100	0.00
25 TMP t-Amyl methyl ether (TAME)	20.000	18.668	6.7	100	0.00
26 TMP 1,2-Dichloroethane (EDC)	20.000	18.548	7.3	100	0.00
27 TMP 1,1,1-Trichloroethane	20.000	18.613	6.9	100	0.00
28 TMP 1,1-Dichloropropane	20.000	18.098	9.5	100	0.00
29 TMP Carbon tetrachloride	20.000	18.618	6.9	100	0.00
30 S 1,2-Dichloroethane-d4	10.000	9.995	0.1	100	0.00
31 TMP Benzene	20.000	18.023	9.9	100	0.00
32 TMP Trichloroethene	20.000	17.406	13.0	100	0.00
33 TMP 1,2-Dichloropropane	20.000	18.813	5.9	100	0.00
34 TMP Bromodichloromethane	20.000	18.236	8.8	100	0.00
35 S Toluene-d8	10.000	10.028	-0.3	100	0.00
36 TMP Dibromomethane	20.000	18.806	6.0	100	0.00
37 TMP 4-Methyl-2-pentanone	100.000	92.699	7.3	100	0.00
38 TMP cis-1,3-Dichloropropene	20.000	18.470	7.7	100	0.00
39 I Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40 TMP Toluene	20.000	18.694	6.5	100	0.00
41 TMP trans-1,3-Dichloropropene	20.000	18.791	6.0	100	0.00
42 TMP 1,1,2-Trichloroethane	20.000	18.407	8.0	100	0.00
43 TMP 2-Hexanone	100.000	92.398	7.6	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110814.D
 Acq On : 8 Nov 2022 2:30 pm
 Operator : LM
 Sample : 20 ppb 8260 ICAL 67-1770
 Misc : soil/water
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:41 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	20.000	18.711	6.4	100	0.00
45 TMP Tetrachloroethene	20.000	18.689	6.6	100	0.00
46 TMP Dibromochloromethane	20.000	19.445	2.8	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	20.000	18.998	5.0	100	0.00
48 TMP Chlorobenzene	20.000	18.540	7.3	100	0.00
49 TMP Ethylbenzene	20.000	18.370	8.1	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	20.000	18.909	5.5	100	0.00
51 TMP m,p-Xylene	40.000	37.140	7.1	100	0.00
52 TMP o-Xylene	20.000	18.327	8.4	100	0.00
53 TMP Styrene	20.000	18.638	6.8	100	0.00
54 TMP Isopropylbenzene	20.000	18.293	8.5	100	0.00
55 TMP Bromoform	20.000	19.991	0.0	100	0.00
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	10.000	9.932	0.7	100	0.00
58 TMP n-Propylbenzene	20.000	18.187	9.1	100	0.00
59 TMP Bromobenzene	20.000	18.540	7.3	100	0.00
60 TMP 1,3,5-Trimethylbenzene	20.000	18.399	8.0	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	20.000	18.718	6.4	100	0.00
62 TMP 1,2,3-Trichloropropane	20.000	18.463	7.7	100	0.00
63 TMP 2-Chlorotoluene	20.000	18.286	8.6	100	0.00
64 TMP 4-Chlorotoluene	20.000	17.953	10.2	100	0.00
65 TMP tert-Butylbenzene	20.000	18.417	7.9	100	0.00
66 TMP 1,2,4-Trimethylbenzene	20.000	18.090	9.6	100	0.00
67 TMP sec-Butylbenzene	20.000	18.326	8.4	100	0.00
68 TMP p-Isopropyltoluene	20.000	18.149	9.3	100	0.00
69 TMP 1,3-Dichlorobenzene	20.000	18.333	8.3	100	0.00
70 TMP 1,4-Dichlorobenzene	20.000	18.150	9.3	100	0.00
71 TMP 1,2-Dichlorobenzene	20.000	18.378	8.1	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	20.000	18.768	6.2	100	0.00
73 TMP 1,2,4-Trichlorobenzene	20.000	18.709	6.5	100	0.00
74 TMP Hexachlorobutadiene	20.000	18.763	6.2	100	0.00
75 TMP Naphthalene	20.000	18.970	5.2	100	0.00
76 TMP 1,2,3-Trichlorobenzene	20.000	18.735	6.3	100	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110814.D
 Acq On : 8 Nov 2022 2:30 pm
 Operator : LM
 Sample : 20 ppb 8260 ICAL 67-1770
 Misc : soil/water
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:41 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I Fluorobenzene	1.000	1.000	0.0	100	0.00
2 TMP Ethanol	0.000	0.000#	0.0	100	0.00
3 S Dibromofluoromethane	0.275	0.277	-0.7	100	0.00
4 TMP Dichlorodifluoromethane	0.410	0.410	0.0	100	0.00
5 TMP Chloromethane	0.380	0.358	5.8	100	0.00
6 TMP Vinyl chloride	0.360	0.352	2.2	100	0.00
7 TMP Bromomethane	0.168	0.142	15.5	100	0.00
8 TMP Chloroethane	0.189	0.170	10.1	100	0.00
9 TMP Trichlorofluoromethane	0.562	0.525	6.6	100	0.00
10 TMP 2-Propanol	0.000	0.000	0.0	0#	0.00
11 TMP Acetone	0.037	0.030	18.9	100	0.00
12 TMP 1,1-Dichloroethene	0.333	0.304	8.7	100	0.00
13 TMP Hexane	0.348	0.313	10.1	100	0.00
14 TMP Methylene chloride	0.369	0.325	11.9	100	0.00
15 TMP t-Butyl alcohol (TBA)	0.051	0.049	3.9	100	0.00
16 TMP Methyl t-butyl ether (MTBE)	0.971	0.912	6.1	100	0.00
17 TMP trans-1,2-Dichloroethene	0.353	0.317	10.2	100	0.00
18 TMP Diisopropyl ether (DIPE)	0.889	0.821	7.6	100	0.00
19 TMP 1,1-Dichloroethane	0.536	0.493	8.0	100	0.00
20 TMP Ethyl t-butyl ether (ETBE)	0.425	0.397	6.6	100	0.00
21 TMP 2,2-Dichloropropane	0.352	0.323	8.2	100	0.00
22 TMP cis-1,2-Dichloroethene	0.382	0.347	9.2	100	0.00
23 TMP Chloroform	0.583	0.545	6.5	100	0.00
24 TMP 2-Butanone (MEK)	0.186	0.161	13.4	100	0.00
25 TMP t-Amyl methyl ether (TAME)	0.964	0.899	6.7	100	0.00
26 TMP 1,2-Dichloroethane (EDC)	0.438	0.406	7.3	100	0.00
27 TMP 1,1,1-Trichloroethane	0.532	0.495	7.0	100	0.00
28 TMP 1,1-Dichloropropene	0.448	0.406	9.4	100	0.00
29 TMP Carbon tetrachloride	0.479	0.446	6.9	100	0.00
30 S 1,2-Dichloroethane-d4	0.063	0.063	0.0	100	0.00
31 TMP Benzene	1.286	1.159	9.9	100	0.00
32 TMP Trichloroethene	0.373	0.325	12.9	100	0.00
33 TMP 1,2-Dichloropropane	0.284	0.268	5.6	100	0.00
34 TMP Bromodichloromethane	0.432	0.394	8.8	100	0.00
35 S Toluene-d8	1.002	1.005	-0.3	100	0.00
36 TMP Dibromomethane	0.216	0.203	6.0	100	0.00
37 TMP 4-Methyl-2-pentanone	0.077	0.071	7.8	100	0.00
38 TMP cis-1,3-Dichloropropene	0.504	0.466	7.5	100	0.00
39 I Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40 TMP Toluene	0.968	0.905	6.5	100	0.00
41 TMP trans-1,3-Dichloropropene	0.553	0.519	6.1	100	0.00
42 TMP 1,1,2-Trichloroethane	0.293	0.270	7.8	100	0.00
43 TMP 2-Hexanone	0.320	0.296	7.5	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110814.D
 Acq On : 8 Nov 2022 2:30 pm
 Operator : LM
 Sample : 20 ppb 8260 ICAL 67-1770
 Misc : soil/water
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:41 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.560	0.524	6.4	100	0.00
45 TMP Tetrachloroethene	0.431	0.403	6.5	100	0.00
46 TMP Dibromochloromethane	0.429	0.414	3.5	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	0.398	0.378	5.0	100	0.00
48 TMP Chlorobenzene	1.148	1.064	7.3	100	0.00
49 TMP Ethylbenzene	1.845	1.695	8.1	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.426	0.402	5.6	100	0.00
51 TMP m,p-Xylene	0.746	0.693	7.1	100	0.00
52 TMP o-Xylene	0.741	0.679	8.4	100	0.00
53 TMP Styrene	1.258	1.172	6.8	100	0.00
54 TMP Isopropylbenzene	1.878	1.718	8.5	100	0.00
55 TMP Bromoform	0.362	0.348	3.9	100	0.00
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	0.701	0.697	0.6	100	0.00
58 TMP n-Propylbenzene	3.165	2.878	9.1	100	0.00
59 TMP Bromobenzene	0.916	0.849	7.3	100	0.00
60 TMP 1,3,5-Trimethylbenzene	2.336	2.149	8.0	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.806	0.754	6.5	100	0.00
62 TMP 1,2,3-Trichloropropane	0.610	0.564	7.5	100	0.00
63 TMP 2-Chlorotoluene	1.890	1.728	8.6	100	0.00
64 TMP 4-Chlorotoluene	2.253	2.023	10.2	100	0.00
65 TMP tert-Butylbenzene	2.062	1.899	7.9	100	0.00
66 TMP 1,2,4-Trimethylbenzene	2.433	2.201	9.5	100	0.00
67 TMP sec-Butylbenzene	2.769	2.537	8.4	100	0.00
68 TMP p-Isopropyltoluene	2.526	2.292	9.3	100	0.00
69 TMP 1,3-Dichlorobenzene	1.624	1.489	8.3	100	0.00
70 TMP 1,4-Dichlorobenzene	1.675	1.520	9.3	100	0.00
71 TMP 1,2-Dichlorobenzene	1.595	1.466	8.1	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	0.167	0.157	6.0	100	0.00
73 TMP 1,2,4-Trichlorobenzene	1.200	1.123	6.4	100	0.00
74 TMP Hexachlorobutadiene	0.463	0.434	6.3	100	0.00
75 TMP Naphthalene	2.957	2.804	5.2	100	0.00
76 TMP 1,2,3-Trichlorobenzene	1.136	1.064	6.3	100	0.00

(#) = Out of Range

SPCC's out = 1 CCC's out = 0

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110814.D
 Acq On : 8 Nov 2022 2:30 pm
 Operator : LM
 Sample : 20 ppb 8260 ICAL 67-1770
 Misc : soil/water
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:41 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	4.78	96	89724	10.000	ppb	0.00	
39) Chlorobenzene-d5	7.44	117	75215	10.000	ppb	0.00	
56) 1,4-Dichlorobenzene-d4	9.66	152	49913	10.000	ppb	0.00	
System Monitoring Compounds							
3) Dibromofluoromethane	4.21	113	24852	10.076	ppb	0.00	
Spiked Amount	10.000	Range	0 - 1000	Recovery	=	100.80%	
30) 1,2-Dichloroethane-d4	4.49	102	5694	9.995	ppb	0.00	
Spiked Amount	10.000	Range	90 - 109	Recovery	=	100.00%	
35) Toluene-d8	6.14	98	90130	10.028	ppb	0.00	
Spiked Amount	10.000	Range	89 - 112	Recovery	=	100.30%	
57) 4-Bromofluorobenzene	8.54	95	34766	9.932	ppb	0.00	
Spiked Amount	10.000	Range	84 - 115	Recovery	=	99.30%	
Target Compounds							
							Qvalue
2) Ethanol	1.07	45	3502	No Calib			
4) Dichlorodifluoromethane	1.18	85	73593	20.024	ppb		91
5) Chloromethane	1.32	50	64275	18.863	ppb		99
6) Vinyl chloride	1.40	62	63206	19.553	ppb		95
7) Bromomethane	1.63	94	25447	16.930	ppb		99
8) Chloroethane	1.70	64	30523	18.005	ppb		98
9) Trichlorofluoromethane	1.89	101	94127	18.677	ppb		97
10) 2-Propanol	2.99	45	7835	No Calib			
11) Acetone	2.39	58	27001	111.742	ppb		89
12) 1,1-Dichloroethene	2.32	96	54478	18.213	ppb	#	78
13) Hexane	3.21	57	56092	17.939	ppb		96
14) Methylene chloride	2.73	84	58263	19.138	ppb		89
15) t-Butyl alcohol (TBA)	2.87	59	43808	95.296	ppb		89
16) Methyl t-butyl ether (...)	2.98	73	163668	18.777	ppb		98
17) trans-1,2-Dichloroethene	2.97	96	56922	17.979	ppb	#	81
18) Diisopropyl ether (DIPE)	3.40	45	147412	18.490	ppb		94
19) 1,1-Dichloroethane	3.32	63	88537	18.418	ppb		98
20) Ethyl t-butyl ether (E...)	3.70	87	71277	18.693	ppb		84
21) 2,2-Dichloropropane	3.81	77	58000	18.940	ppb		97
22) cis-1,2-Dichloroethene	3.81	96	62330	18.186	ppb	#	79
23) Chloroform	4.08	83	97888	18.801	ppb		99
24) 2-Butanone (MEK)	3.83	43	144756	86.692	ppb		95
25) t-Amyl methyl ether (T...)	4.65	73	161402	18.668	ppb		99
26) 1,2-Dichloroethane (EDC)	4.55	62	72919	18.548	ppb		96
27) 1,1,1-Trichloroethane	4.23	97	88911	18.613	ppb		94
28) 1,1-Dichloropropene	4.37	75	72768	18.098	ppb		90
29) Carbon tetrachloride	4.37	117	80059	18.618	ppb		93
31) Benzene	4.54	78	207900	18.023	ppb		93
32) Trichloroethene	5.09	95	58233	17.406	ppb	#	76
33) 1,2-Dichloropropane	5.28	63	48010	18.813	ppb		96
34) Bromodichloromethane	5.51	83	70632	18.236	ppb		97
36) Dibromomethane	5.37	93	36401	18.806	ppb		82

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110814.D
 Acq On : 8 Nov 2022 2:30 pm
 Operator : LM
 Sample : 20 ppb 8260 ICAL 67-1770
 Misc : soil/water
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS4

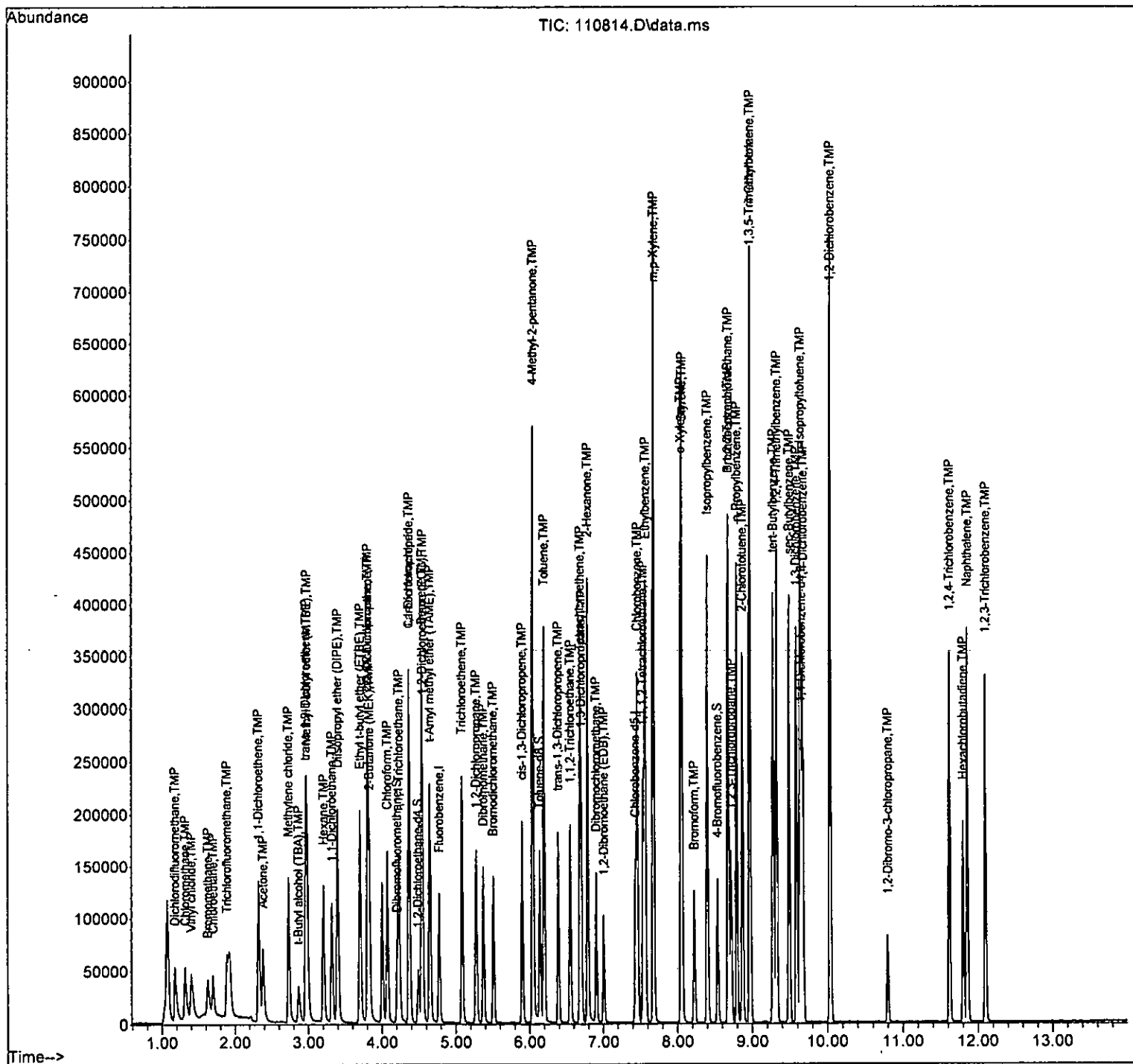
Quant Time: Nov 08 16:47:41 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	6.05	85	63954	92.699	ppb	# 76
38) cis-1,3-Dichloropropene	5.90	75	83559	18.470	ppb	92
40) Toluene	6.20	92	136069	18.694	ppb	97
41) trans-1,3-Dichloropropene	6.39	75	78143	18.791	ppb	95
42) 1,1,2-Trichloroethane	6.55	83	40578	18.407	ppb	87
43) 2-Hexanone	6.79	43	222689	92.398	ppb	97
44) 1,3-Dichloropropane	6.70	76	78842	18.711	ppb	99
45) Tetrachloroethene	6.69	164	60564	18.689	ppb	99
46) Dibromochloromethane	6.91	129	62322	19.445	ppb	100
47) 1,2-Dibromoethane (EDB)	7.01	107	56899	18.998	ppb	95
48) Chlorobenzene	7.46	112	160098	18.540	ppb	89
49) Ethylbenzene	7.57	91	254952	18.370	ppb	92
50) 1,1,1,2-Tetrachloroethane	7.54	131	60525	18.909	ppb	95
51) m,p-Xylene	7.68	106	208379	37.140	ppb	86
52) o-Xylene	8.05	106	102174	18.327	ppb	88
53) Styrene	8.06	104	176352	18.638	ppb	87
54) Isopropylbenzene	8.40	105	258390	18.293	ppb	94
55) Bromoform	8.22	173	52290	19.991	ppb	98
58) n-Propylbenzene	8.79	91	287328	18.187	ppb	91
59) Bromobenzene	8.68	156	84749	18.540	ppb	# 82
60) 1,3,5-Trimethylbenzene	8.97	105	214549	18.399	ppb	89
61) 1,1,2,2-Tetrachloroethane	8.68	83	75310	18.718	ppb	95
62) 1,2,3-Trichloropropane	8.72	75	56257	18.463	ppb	98
63) 2-Chlorotoluene	8.87	91	172461	18.286	ppb	88
64) 4-Chlorotoluene	8.97	91	201899	17.953	ppb	87
65) tert-Butylbenzene	9.28	119	189585	18.417	ppb	84
66) 1,2,4-Trimethylbenzene	9.33	105	219687	18.090	ppb	91
67) sec-Butylbenzene	9.49	105	253268	18.326	ppb	92
68) p-Isopropyltoluene	9.64	119	228782	18.149	ppb	91
69) 1,3-Dichlorobenzene	9.59	146	148613	18.333	ppb	96
70) 1,4-Dichlorobenzene	9.68	146	151773	18.150	ppb	94
71) 1,2-Dichlorobenzene	10.04	146	146308	18.378	ppb	94
72) 1,2-Dibromo-3-chloropr...	10.80	75	15655	18.768	ppb	# 60
73) 1,2,4-Trichlorobenzene	11.62	180	112089	18.709	ppb	99
74) Hexachlorobutadiene	11.81	225	43330	18.763	ppb	99
75) Naphthalene	11.86	128	279962	18.970	ppb	99
76) 1,2,3-Trichlorobenzene	12.10	180	106233	18.735	ppb	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110814.D
 Acq On : 8 Nov 2022 2:30 pm
 Operator : LM
 Sample : 20 ppb 8260 ICAL 67-1770
 Misc : soil/water
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS4

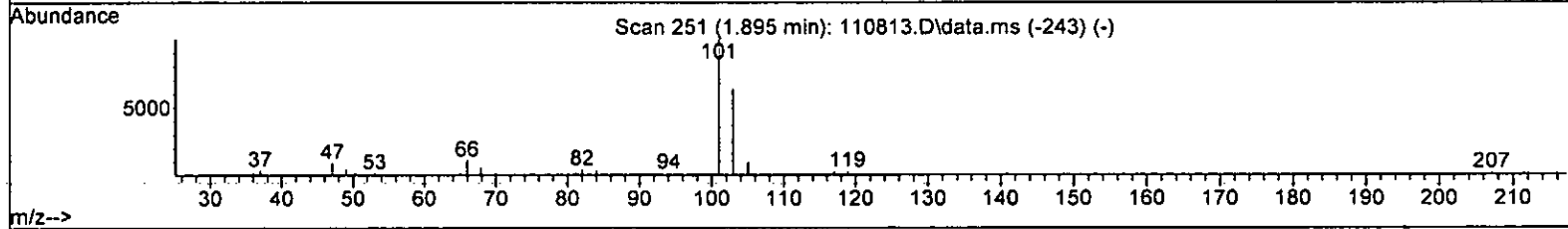
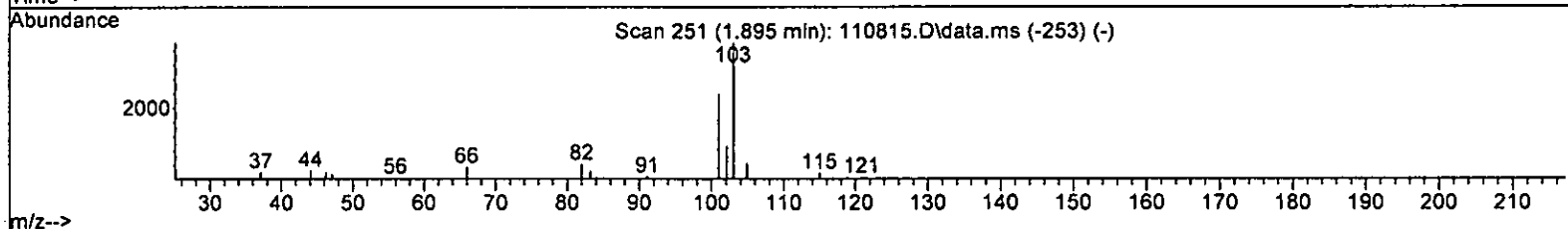
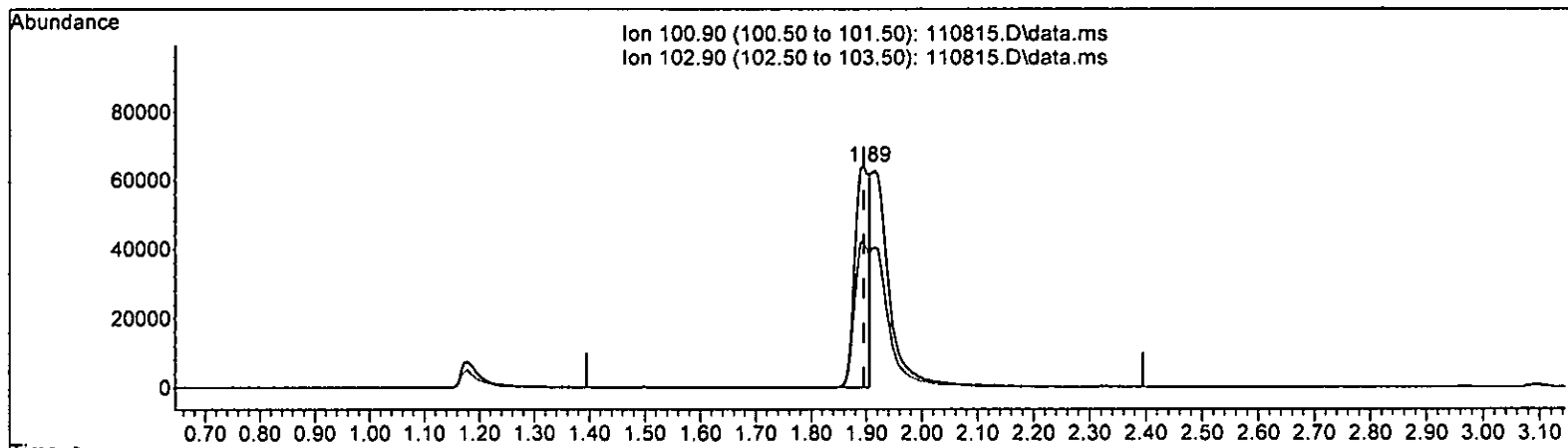
Quant Time: Nov 08 16:47:41 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110815.D
 Acq On : 8 Nov 2022 2:55 pm
 Operator : LM
 Sample : 50 ppb 8260 ICAL 67-177Q
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:43 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



TIC: 110815.D\data.ms

(9) Trichlorofluoromethane (TMF)

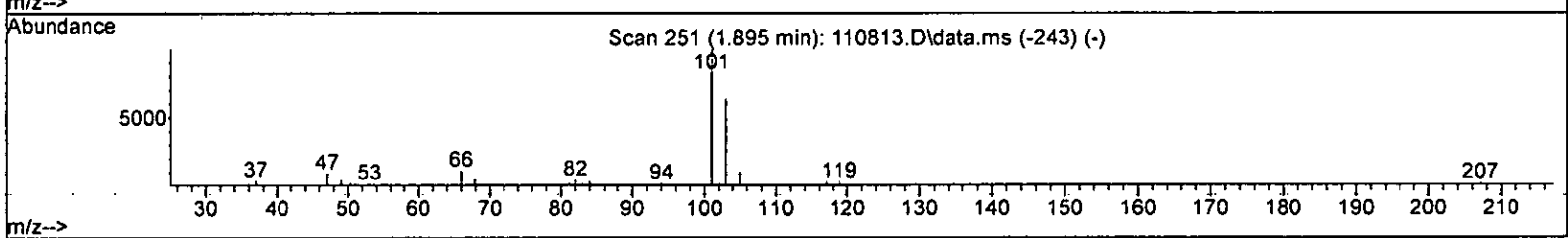
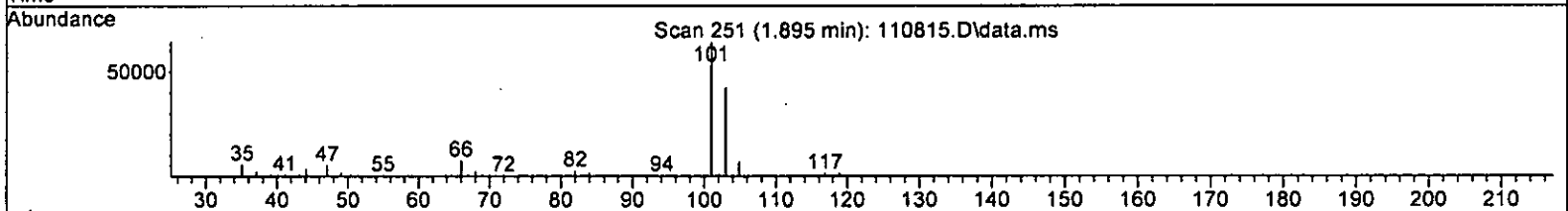
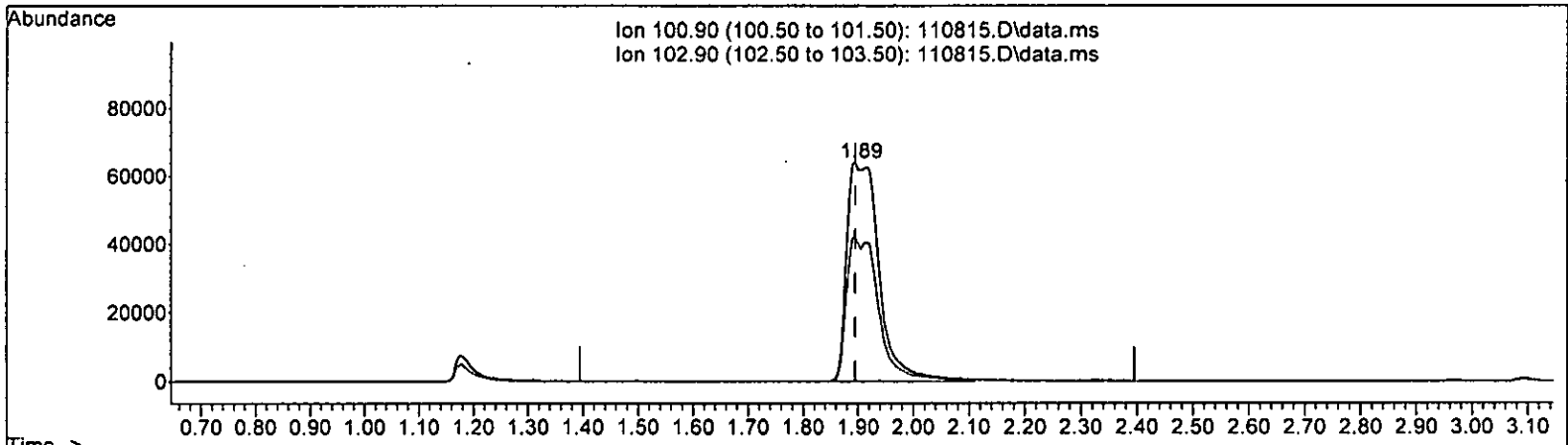
1.895min (-0.000) 22.966 ppb

response	116202
Ion	Exp% Act%
100.90	100.00 100.00
102.90	61.00 65.76
0.00	0.00 0.00
0.00	0.00 0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110815.D
 Acq On : 8 Nov 2022 2:55 pm
 Operator : LM
 Sample : 50 ppb 8260 ICAL 67-177Q
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:43 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



TIC: 110815.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.895min (-0.000) 50.922 ppb m

response 257649

Ion	Exp%	Act%
100.90	100.00	100.00
102.90	61.00	65.76
0.00	0.00	0.00
0.00	0.00	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110815.D
 Acq On : 8 Nov 2022 2:55 pm
 Operator : LM
 Sample : 50 ppb 8260 ICAL 67-177Q
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:43 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I Fluorobenzene	10.000	10.000	0.0	100	0.00
2 TMP Ethanol	-1.000	0.000	0.0	100	0.01
3 S Dibromofluoromethane	10.000	9.862	1.4	100	0.00
4 TMP Dichlorodifluoromethane	50.000	52.412	-4.8	100	0.00
5 TMP Chloromethane	50.000	48.923	2.2	100	0.00
6 TMP Vinyl chloride	50.000	51.715	-3.4	100	0.00
7 TMP Bromomethane	50.000	46.281	7.4	100	0.00
8 TMP Chloroethane	50.000	47.162	5.7	100	0.00
9 TMP Trichlorofluoromethane	50.000	50.922	-1.8	100	0.00
10 TMP 2-Propanol	-1.000	0.000	0.0	0	0.00
11 TMP Acetone	250.000	259.559	-3.8	100	0.00
12 TMP 1,1-Dichloroethene	50.000	47.263	5.5	100	0.00
13 TMP Hexane	50.000	48.056	3.9	100	0.00
14 TMP Methylene chloride	50.000	50.247	-0.5	100	0.00
15 TMP t-Butyl alcohol (TBA)	250.000	254.457	-1.8	100	0.00
16 TMP Methyl t-butyl ether (MTBE)	50.000	49.667	0.7	100	0.00
17 TMP trans-1,2-Dichloroethene	50.000	48.207	3.6	100	0.00
18 TMP Diisopropyl ether (DIPE)	50.000	49.307	1.4	100	0.00
19 TMP 1,1-Dichloroethane	50.000	48.956	2.1	100	0.00
20 TMP Ethyl t-butyl ether (ETBE)	50.000	50.329	-0.7	100	0.00
21 TMP 2,2-Dichloropropane	50.000	48.859	2.3	100	0.00
22 TMP cis-1,2-Dichloroethene	50.000	47.687	4.6	100	0.00
23 TMP Chloroform	50.000	49.526	0.9	100	0.00
24 TMP 2-Butanone (MEK)	250.000	235.469	5.8	100	0.00
25 TMP t-Amyl methyl ether (TAME)	50.000	50.092	-0.2	100	0.00
26 TMP 1,2-Dichloroethane (EDC)	50.000	49.728	0.5	100	0.00
27 TMP 1,1,1-Trichloroethane	50.000	49.050	1.9	100	0.00
28 TMP 1,1-Dichloropropane	50.000	48.826	2.3	100	0.00
29 TMP Carbon tetrachloride	50.000	49.732	0.5	100	0.00
30 S 1,2-Dichloroethane-d4	10.000	10.076	-0.8	100	0.00
31 TMP Benzene	50.000	49.501	1.0	100	0.00
32 TMP Trichloroethene	50.000	47.199	5.6	100	0.00
33 TMP 1,2-Dichloropropane	50.000	50.726	-1.5	100	0.00
34 TMP Bromodichloromethane	50.000	50.458	-0.9	100	0.00
35 S Toluene-d8	10.000	10.075	-0.7	100	0.00
36 TMP Dibromomethane	50.000	50.280	-0.6	100	0.00
37 TMP 4-Methyl-2-pentanone	250.000	256.990	-2.8	100	0.00
38 TMP cis-1,3-Dichloropropene	50.000	50.807	-1.6	100	0.00
39 I Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40 TMP Toluene	50.000	50.193	-0.4	100	0.00
41 TMP trans-1,3-Dichloropropene	50.000	50.591	-1.2	100	0.00
42 TMP 1,1,2-Trichloroethane	50.000	49.806	0.4	100	0.00
43 TMP 2-Hexanone	250.000	254.353	-1.7	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110815.D
 Acq On : 8 Nov 2022 2:55 pm
 Operator : LM
 Sample : 50 ppb 8260 ICAL 67-177Q
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:43 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	50.000	51.006	-2.0	100	0.00
45 TMP Tetrachloroethene	50.000	49.946	0.1	100	0.00
46 TMP Dibromochloromethane	50.000	52.794	-5.6	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	50.000	51.414	-2.8	100	0.00
48 TMP Chlorobenzene	50.000	49.978	0.0	100	0.00
49 TMP Ethylbenzene	50.000	49.625	0.8	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	50.000	50.779	-1.6	100	0.00
51 TMP m,p-Xylene	100.000	98.727	1.3	100	0.00
52 TMP o-Xylene	50.000	48.953	2.1	100	0.00
53 TMP Styrene	50.000	49.978	0.0	100	0.00
54 TMP Isopropylbenzene	50.000	48.859	2.3	100	0.00
55 TMP Bromoform	50.000	53.712	-7.4	100	0.00
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	10.000	9.945	0.5	100	0.00
58 TMP n-Propylbenzene	50.000	49.437	1.1	100	0.00
59 TMP Bromobenzene	50.000	50.349	-0.7	100	0.00
60 TMP 1,3,5-Trimethylbenzene	50.000	49.967	0.1	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	50.000	51.464	-2.9	100	0.00
62 TMP 1,2,3-Trichloropropane	50.000	50.638	-1.3	100	0.00
63 TMP 2-Chlorotoluene	50.000	49.226	1.5	100	0.00
64 TMP 4-Chlorotoluene	50.000	49.384	1.2	100	0.00
65 TMP tert-Butylbenzene	50.000	49.413	1.2	100	0.00
66 TMP 1,2,4-Trimethylbenzene	50.000	48.989	2.0	100	0.00
67 TMP sec-Butylbenzene	50.000	49.630	0.7	100	0.00
68 TMP p-Isopropyltoluene	50.000	49.497	1.0	100	0.00
69 TMP 1,3-Dichlorobenzene	50.000	49.179	1.6	100	0.00
70 TMP 1,4-Dichlorobenzene	50.000	48.863	2.3	100	0.00
71 TMP 1,2-Dichlorobenzene	50.000	49.178	1.6	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	50.000	51.800	-3.6	100	0.00
73 TMP 1,2,4-Trichlorobenzene	50.000	50.734	-1.5	100	0.00
74 TMP Hexachlorobutadiene	50.000	50.627	-1.3	100	0.00
75 TMP Naphthalene	50.000	52.287	-4.6	100	0.00
76 TMP 1,2,3-Trichlorobenzene	50.000	51.424	-2.8	100	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110815.D
 Acq On : 8 Nov 2022 2:55 pm
 Operator : LM
 Sample : 50 ppb 8260 ICAL 67-177Q
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:43 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I Fluorobenzene	1.000	1.000	0.0	100	0.00
2 TMP Ethanol	0.000	0.000#	0.0	100	0.01
3 S Dibromofluoromethane	0.275	0.271	1.5	100	0.00
4 TMP Dichlorodifluoromethane	0.410	0.429	-4.6	100	0.00
5 TMP Chloromethane	0.380	0.372	2.1	100	0.00
6 TMP Vinyl chloride	0.360	0.373	-3.6	100	0.00
7 TMP Bromomethane	0.168	0.155	7.7	100	0.00
8 TMP Chloroethane	0.189	0.178	5.8	100	0.00
9 TMP Trichlorofluoromethane	0.562	0.572	-1.8	100	0.00
10 TMP 2-Propanol	0.000	0.000	0.0	0#	0.00
11 TMP Acetone	0.037	0.032	13.5	100	0.00
12 TMP 1,1-Dichloroethene	0.333	0.315	5.4	100	0.00
13 TMP Hexane	0.348	0.335	3.7	100	0.00
14 TMP Methylene chloride	0.369	0.325	11.9	100	0.00
15 TMP t-Butyl alcohol (TBA)	0.051	0.052	-2.0	100	0.00
16 TMP Methyl t-butyl ether (MTBE)	0.971	0.965	0.6	100	0.00
17 TMP trans-1,2-Dichloroethene	0.353	0.340	3.7	100	0.00
18 TMP Diisopropyl ether (DIPE)	0.889	0.876	1.5	100	0.00
19 TMP 1,1-Dichloroethane	0.536	0.525	2.1	100	0.00
20 TMP Ethyl t-butyl ether (ETBE)	0.425	0.428	-0.7	100	0.00
21 TMP 2,2-Dichloropropane	0.352	0.326	7.4	100	0.00
22 TMP cis-1,2-Dichloroethene	0.382	0.364	4.7	100	0.00
23 TMP Chloroform	0.583	0.575	1.4	100	0.00
24 TMP 2-Butanone (MEK)	0.186	0.175	5.9	100	0.00
25 TMP t-Amyl methyl ether (TAME)	0.964	0.965	-0.1	100	0.00
26 TMP 1,2-Dichloroethane (EDC)	0.438	0.436	0.5	100	0.00
27 TMP 1,1,1-Trichloroethane	0.532	0.522	1.9	100	0.00
28 TMP 1,1-Dichloropropene	0.448	0.438	2.2	100	0.00
29 TMP Carbon tetrachloride	0.479	0.477	0.4	100	0.00
30 S 1,2-Dichloroethane-d4	0.063	0.064	-1.6	100	0.00
31 TMP Benzene	1.286	1.273	1.0	100	0.00
32 TMP Trichloroethene	0.373	0.352	5.6	100	0.00
33 TMP 1,2-Dichloropropane	0.284	0.289	-1.8	100	0.00
34 TMP Bromodichloromethane	0.432	0.436	-0.9	100	0.00
35 S Toluene-d8	1.002	1.009	-0.7	100	0.00
36 TMP Dibromomethane	0.216	0.217	-0.5	100	0.00
37 TMP 4-Methyl-2-pentanone	0.077	0.079	-2.6	100	0.00
38 TMP cis-1,3-Dichloropropene	0.504	0.512	-1.6	100	0.00
39 I Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40 TMP Toluene	0.968	0.971	-0.3	100	0.00
41 TMP trans-1,3-Dichloropropene	0.553	0.559	-1.1	100	0.00
42 TMP 1,1,2-Trichloroethane	0.293	0.292	0.3	100	0.00
43 TMP 2-Hexanone	0.320	0.326	-1.9	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110815.D
 Acq On : 8 Nov 2022 2:55 pm
 Operator : LM
 Sample : 50 ppb 8260 ICAL 67-177Q
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:43 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.560	0.571	-2.0	100	0.00
45 TMP Tetrachloroethene	0.431	0.430	0.2	100	0.00
46 TMP Dibromochloromethane	0.429	0.464	-8.2	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	0.398	0.409	-2.8	100	0.00
48 TMP Chlorobenzene	1.148	1.148	0.0	100	0.00
49 TMP Ethylbenzene	1.845	1.831	0.8	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.426	0.432	-1.4	100	0.00
51 TMP m,p-Xylene	0.746	0.736	1.3	100	0.00
52 TMP o-Xylene	0.741	0.726	2.0	100	0.00
53 TMP Styrene	1.258	1.257	0.1	100	0.00
54 TMP Isopropylbenzene	1.878	1.835	2.3	100	0.00
55 TMP Bromoform	0.362	0.393	-8.6	100	0.00
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	0.701	0.697	0.6	100	0.00
58 TMP n-Propylbenzene	3.165	3.130	1.1	100	0.00
59 TMP Bromobenzene	0.916	0.922	-0.7	100	0.00
60 TMP 1,3,5-Trimethylbenzene	2.336	2.335	0.0	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.806	0.830	-3.0	100	0.00
62 TMP 1,2,3-Trichloropropane	0.610	0.618	-1.3	100	0.00
63 TMP 2-Chlorotoluene	1.890	1.860	1.6	100	0.00
64 TMP 4-Chlorotoluene	2.253	2.225	1.2	100	0.00
65 TMP tert-Butylbenzene	2.062	2.038	1.2	100	0.00
66 TMP 1,2,4-Trimethylbenzene	2.433	2.384	2.0	100	0.00
67 TMP sec-Butylbenzene	2.769	2.748	0.8	100	0.00
68 TMP p-Isopropyltoluene	2.526	2.500	1.0	100	0.00
69 TMP 1,3-Dichlorobenzene	1.624	1.597	1.7	100	0.00
70 TMP 1,4-Dichlorobenzene	1.675	1.637	2.3	100	0.00
71 TMP 1,2-Dichlorobenzene	1.595	1.569	1.6	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	0.167	0.173	-3.6	100	0.00
73 TMP 1,2,4-Trichlorobenzene	1.200	1.218	-1.5	100	0.00
74 TMP Hexachlorobutadiene	0.463	0.468	-1.1	100	0.00
75 TMP Naphthalene	2.957	3.092	-4.6	100	0.00
76 TMP 1,2,3-Trichlorobenzene	1.136	1.168	-2.8	100	0.00

(#) = Out of Range

SPCC's out = 1 CCC's out = 0

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110815.D
 Acq On : 8 Nov 2022 2:55 pm
 Operator : LM
 Sample : 50 ppb 8260 ICAL 67-177Q
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:43 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	4.78	96	90079	10.000	ppb	0.00	
39) Chlorobenzene-d5	7.43	117	76555	10.000	ppb	0.00	
56) 1,4-Dichlorobenzene-d4	9.65	152	49605	10.000	ppb	0.00	
System Monitoring Compounds							
3) Dibromofluoromethane	4.21	113	24421	9.862	ppb	0.00	
Spiked Amount	10.000	Range	0 - 1000	Recovery	=	98.60%	
30) 1,2-Dichloroethane-d4	4.49	102	5763	10.076	ppb	0.00	
Spiked Amount	10.000	Range	90 - 109	Recovery	=	100.80%	
35) Toluene-d8	6.14	98	90909	10.075	ppb	0.00	
Spiked Amount	10.000	Range	89 - 112	Recovery	=	100.70%	
57) 4-Bromofluorobenzene	8.54	95	34598	9.945	ppb	0.00	
Spiked Amount	10.000	Range	84 - 115	Recovery	=	99.50%	
Target Compounds							
							Qvalue
2) Ethanol	1.08	45	3563	No Calib			
4) Dichlorodifluoromethane	1.18	85	193390	52.412	ppb		95
5) Chloromethane	1.31	50	167365	48.923	ppb		98
6) Vinyl chloride	1.40	62	167832	51.715	ppb		99
7) Bromomethane	1.63	94	69839	46.281	ppb		94
8) Chloroethane	1.70	64	80269	47.162	ppb		97
9) Trichlorofluoromethane	1.89	101	257649m	50.922	ppb		
10) 2-Propanol	2.98	45	21435	No Calib			
11) Acetone	2.39	58	72310	259.559	ppb		92
12) 1,1-Dichloroethene	2.32	96	141930	47.263	ppb	#	80
13) Hexane	3.21	57	150857	48.056	ppb		95
14) Methylene chloride	2.73	84	146209	50.247	ppb		89
15) t-Butyl alcohol (TBA)	2.87	59	117438	254.457	ppb		90
16) Methyl t-butyl ether (...)	2.99	73	434622	49.667	ppb		97
17) trans-1,2-Dichloroethene	2.97	96	153230	48.207	ppb		83
18) Diisopropyl ether (DIPE)	3.40	45	394656	49.307	ppb		93
19) 1,1-Dichloroethane	3.32	63	236270	48.956	ppb		98
20) Ethyl t-butyl ether (E...)	3.70	87	192669	50.329	ppb	#	83
21) 2,2-Dichloropropane	3.81	77	146788	48.859	ppb		95
22) cis-1,2-Dichloroethene	3.81	96	164087	47.687	ppb	#	81
23) Chloroform	4.08	83	258775	49.526	ppb		99
24) 2-Butanone (MEK)	3.83	43	394736	235.469	ppb		95
25) t-Amyl methyl ether (T...)	4.65	73	434811	50.092	ppb		99
26) 1,2-Dichloroethane (EDC)	4.55	62	196277	49.728	ppb		96
27) 1,1,1-Trichloroethane	4.23	97	235230	49.050	ppb		94
28) 1,1-Dichloropropene	4.37	75	197093	48.826	ppb		90
29) Carbon tetrachloride	4.37	117	214695	49.732	ppb		91
31) Benzene	4.54	78	573260	49.501	ppb		95
32) Trichloroethene	5.09	95	158535	47.199	ppb		79
33) 1,2-Dichloropropane	5.28	63	129960	50.726	ppb		97
34) Bromodichloromethane	5.51	83	196206	50.458	ppb		96
36) Dibromomethane	5.37	93	97707	50.280	ppb		85

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110815.D
 Acq On : 8 Nov 2022 2:55 pm
 Operator : LM
 Sample : 50 ppb 8260 ICAL 67-177Q
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS4

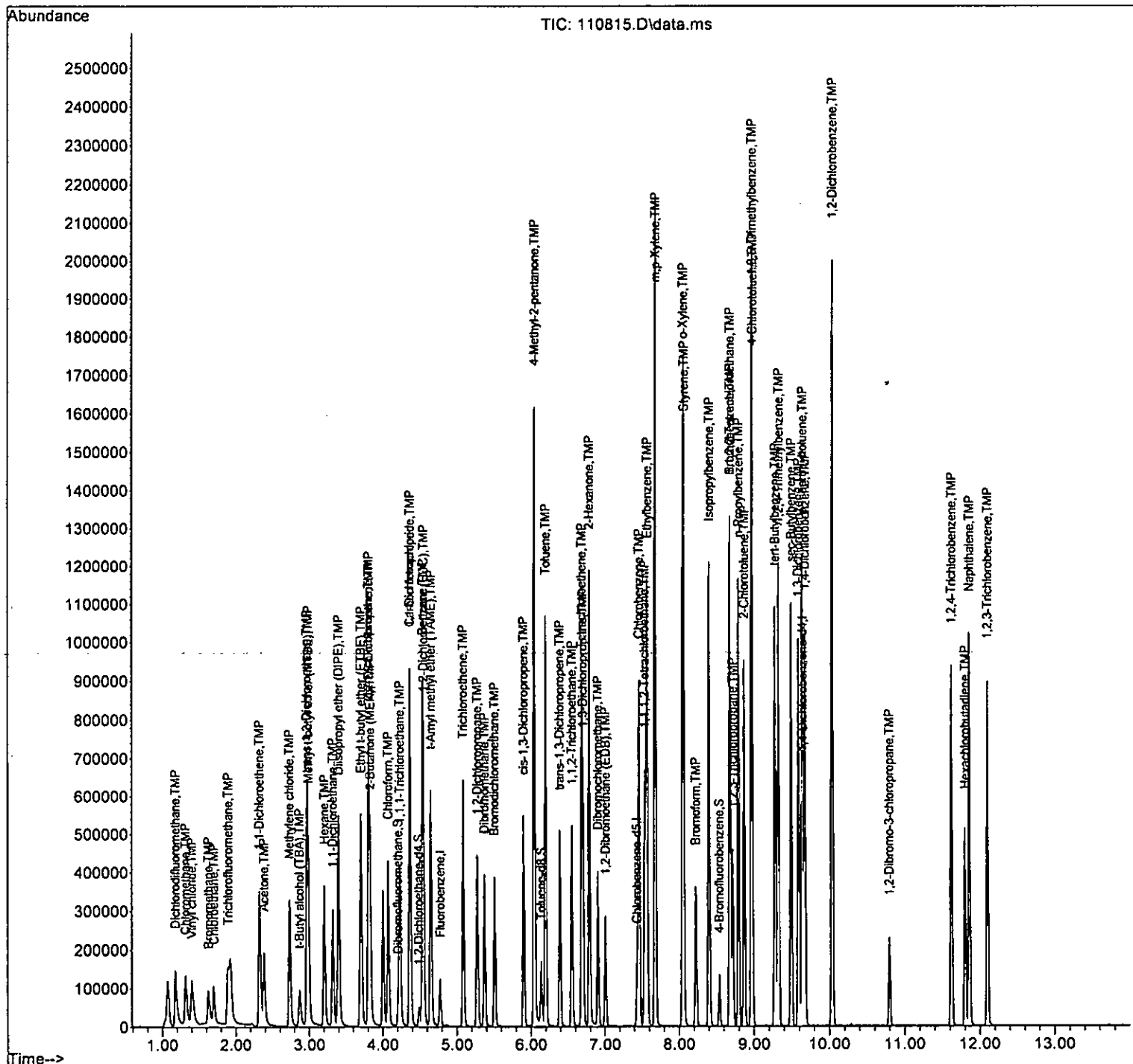
Quant Time: Nov 08 16:47:43 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	6.05	85	178002	256.990	ppb	# 77
38) cis-1,3-Dichloropropene	5.90	75	230758	50.807	ppb	95
40) Toluene	6.20	92	371842	50.193	ppb	96
41) trans-1,3-Dichloropropene	6.39	75	214130	50.591	ppb	97
42) 1,1,2-Trichloroethane	6.55	83	111752	49.806	ppb	89
43) 2-Hexanone	6.79	43	623940	254.353	ppb	96
44) 1,3-Dichloropropane	6.70	76	218745	51.006	ppb	99
45) Tetrachloroethene	6.69	164	164736	49.946	ppb	99
46) Dibromochloromethane	6.91	129	177719	52.794	ppb	99
47) 1,2-Dibromoethane (EDB)	7.01	107	156732	51.414	ppb	94
48) Chlorobenzene	7.46	112	439266	49.978	ppb	89
49) Ethylbenzene	7.57	91	701000	49.625	ppb	94
50) 1,1,1,2-Tetrachloroethane	7.54	131	165428	50.779	ppb	97
51) m,p-Xylene	7.68	106	563786	98.727	ppb	89
52) o-Xylene	8.05	106	277771	48.953	ppb	87
53) Styrene	8.06	104	481315	49.978	ppb	87
54) Isopropylbenzene	8.40	105	702451	48.859	ppb	94
55) Bromoform	8.22	173	150590	53.712	ppb	99
58) n-Propylbenzene	8.79	91	776217	49.437	ppb	93
59) Bromobenzene	8.68	156	228733	50.349	ppb	# 84
60) 1,3,5-Trimethylbenzene	8.97	105	579070	49.967	ppb	88
61) 1,1,2,2-Tetrachloroethane	8.68	83	205783	51.464	ppb	97
62) 1,2,3-Trichloropropane	8.72	75	153345	50.638	ppb	99
63) 2-Chlorotoluene	8.87	91	461392	49.226	ppb	86
64) 4-Chlorotoluene	8.98	91	551962	49.384	ppb	84
65) tert-Butylbenzene	9.28	119	505519	49.413	ppb	85
66) 1,2,4-Trimethylbenzene	9.33	105	591254	48.989	ppb	90
67) sec-Butylbenzene	9.49	105	681674	49.630	ppb	93
68) p-Isopropyltoluene	9.64	119	620109	49.497	ppb	91
69) 1,3-Dichlorobenzene	9.59	146	396205	49.179	ppb	96
70) 1,4-Dichlorobenzene	9.68	146	406078	48.863	ppb	95
71) 1,2-Dichlorobenzene	10.04	146	389080	49.178	ppb	94
72) 1,2-Dibromo-3-chloropr...	10.80	75	42942	51.800	ppb	# 58
73) 1,2,4-Trichlorobenzene	11.62	180	302079	50.734	ppb	98
74) Hexachlorobutadiene	11.81	225	116196	50.627	ppb	98
75) Naphthalene	11.86	128	766905	52.287	ppb	99
76) 1,2,3-Trichlorobenzene	12.10	180	289786	51.424	ppb	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110815.D
 Acq On : 8 Nov 2022 2:55 pm
 Operator : LM
 Sample : 50 ppb 8260 ICAL 67-177Q
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS4

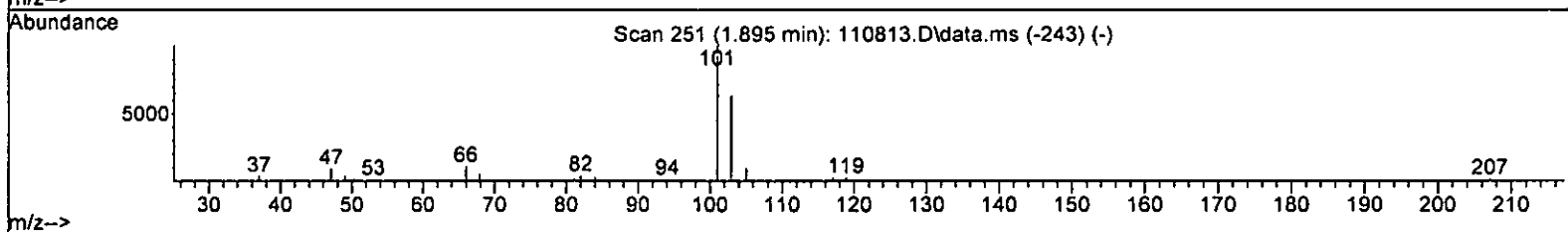
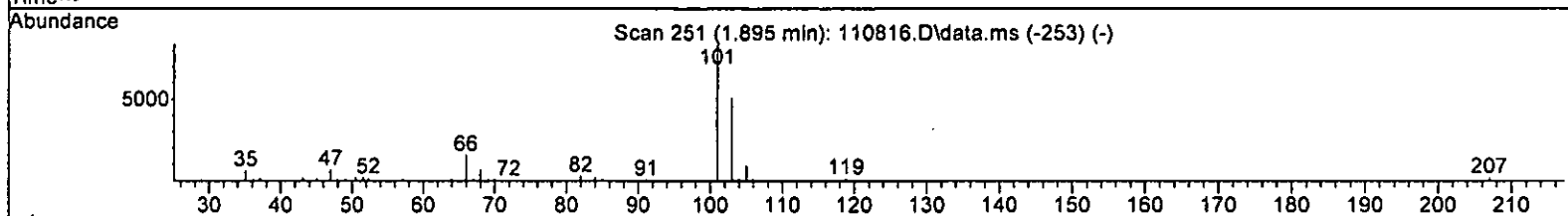
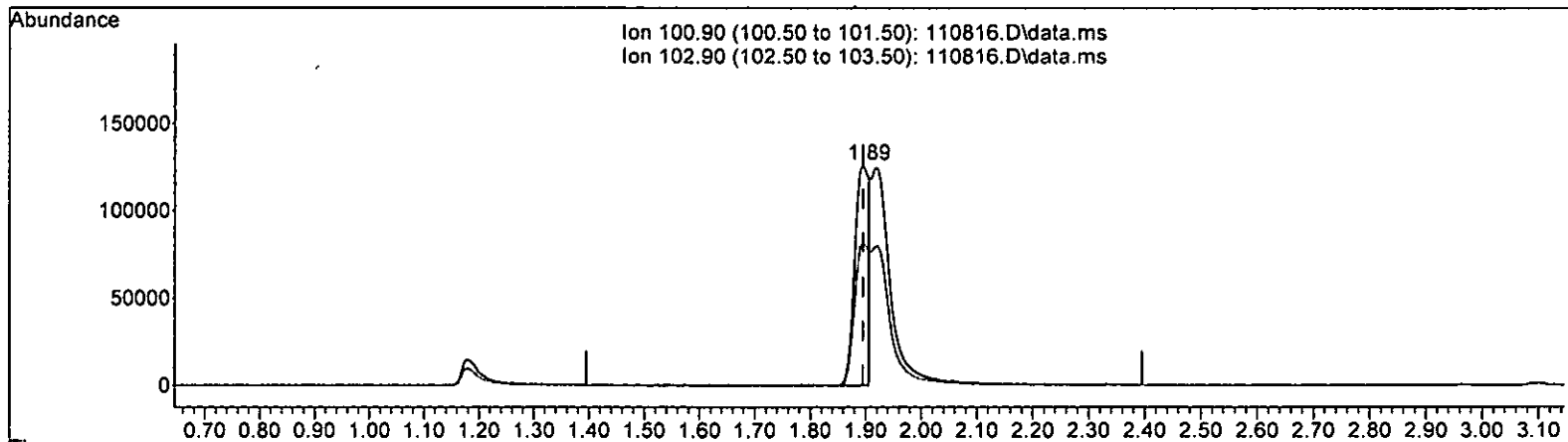
Quant Time: Nov 08 16:47:43 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110816.D
 Acq On : 8 Nov 2022 3:19 pm
 Operator : LM
 Sample : 100 ppb 8260 ICAL 67-1775
 Misc : soil/water
 ALS Vial : 14 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:45 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



TIC: 110816.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.895min (-0.000) 43.828 ppb

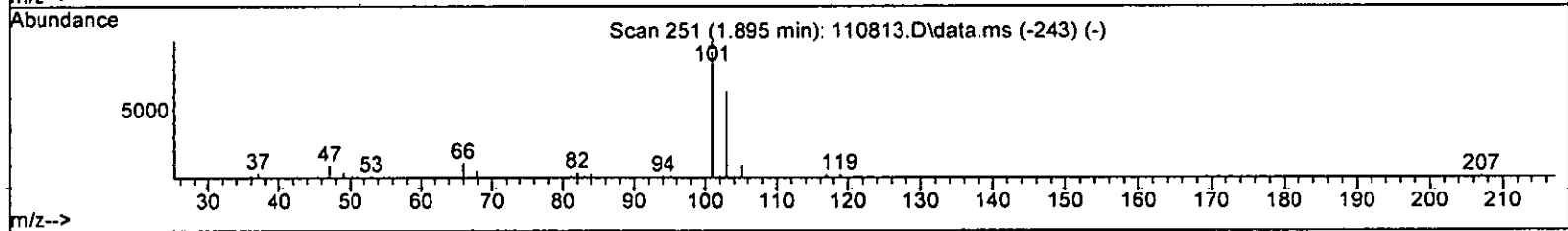
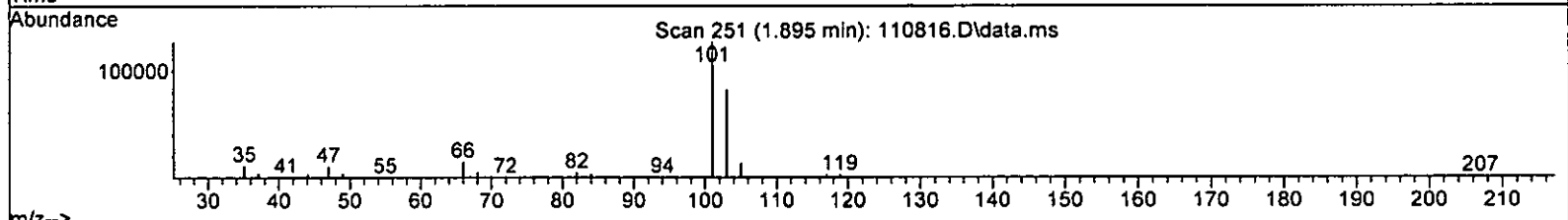
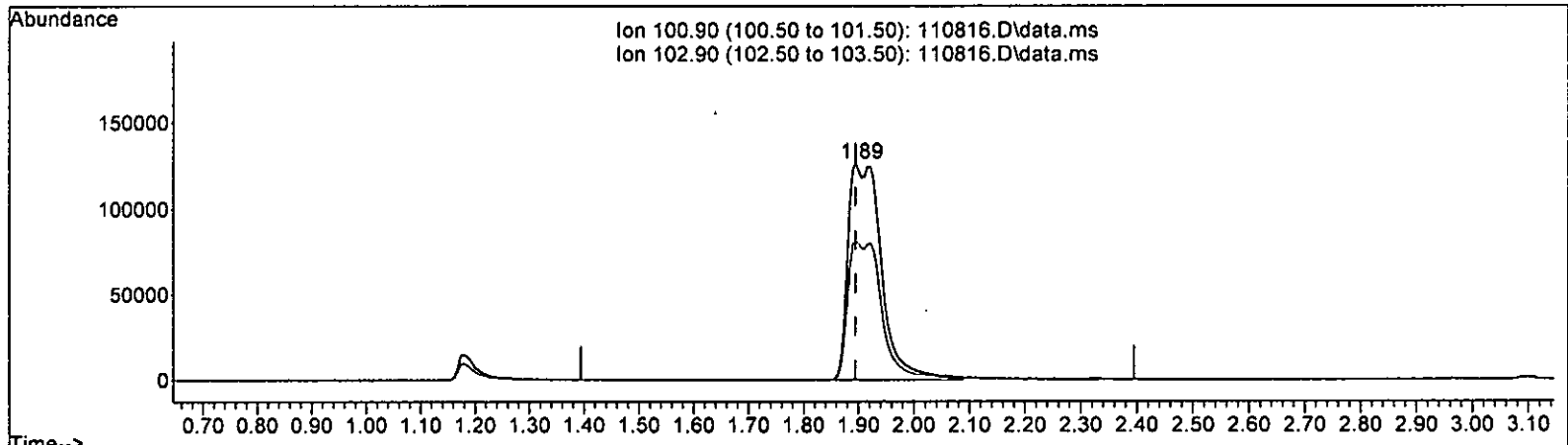
response 222077

Ion	Exp%	Act%
100.90	100.00	100.00
102.90	61.00	64.82
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110816.D
 Acq On : 8 Nov 2022 3:19 pm
 Operator : LM
 Sample : 100 ppb 8260 ICAL 67-177S
 Misc : soil/water
 ALS Vial : 14 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:45 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



TIC: 110816.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.895min (-0.000) 103.817 ppb m

response	526041
Ion	Exp% Act%
100.90	100.00 100.00
102.90	61.00 64.82
0.00	0.00 0.00
0.00	0.00 0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110816.D
 Acq On : 8 Nov 2022 3:19 pm
 Operator : LM
 Sample : 100 ppb 8260 ICAL 67-1775
 Misc : soil/water
 ALS Vial : 14 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:45 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I Fluorobenzene	10.000	10.000	0.0	100	0.00
2 TMP Ethanol	-1.000	0.000	0.0	100	0.00
3 S Dibromofluoromethane	10.000	9.982	0.2	100	0.00
4 TMP Dichlorodifluoromethane	100.000	105.023	-5.0	100	0.00
5 TMP Chloromethane	100.000	100.091	-0.1	100	0.00
6 TMP Vinyl chloride	100.000	105.570	-5.6	100	0.00
7 TMP Bromomethane	100.000	96.389	3.6	100	0.00
8 TMP Chloroethane	100.000	94.730	5.3	100	0.00
9 TMP Trichlorofluoromethane	100.000	103.817	-3.8	100	0.00
10 TMP 2-Propanol	-1.000	0.000	0.0	0	0.00
11 TMP Acetone	500.000	434.249	13.2	100	0.00
12 TMP 1,1-Dichloroethene	100.000	95.252	4.7	100	0.00
13 TMP Hexane	100.000	96.057	3.9	100	0.00
14 TMP Methylene chloride	100.000	101.987	-2.0	100	0.00
15 TMP t-Butyl alcohol (TBA)	500.000	502.749	-0.5	100	0.00
16 TMP Methyl t-butyl ether (MTBE)	100.000	100.931	-0.9	100	0.00
17 TMP trans-1,2-Dichloroethene	100.000	97.177	2.8	100	0.00
18 TMP Diisopropyl ether (DIPE)	100.000	99.558	0.4	100	0.00
19 TMP 1,1-Dichloroethane	100.000	98.993	1.0	100	0.00
20 TMP Ethyl t-butyl ether (ETBE)	100.000	101.717	-1.7	100	0.00
21 TMP 2,2-Dichloropropane	100.000	98.803	1.2	100	0.00
22 TMP cis-1,2-Dichloroethene	100.000	96.730	3.3	100	0.00
23 TMP Chloroform	100.000	100.511	-0.5	100	0.00
24 TMP 2-Butanone (MEK)	500.000	475.073	5.0	100	0.00
25 TMP t-Amyl methyl ether (TAME)	100.000	101.386	-1.4	100	0.00
26 TMP 1,2-Dichloroethane (EDC)	100.000	100.066	-0.1	100	0.00
27 TMP 1,1,1-Trichloroethane	100.000	100.003	-0.0	100	0.00
28 TMP 1,1-Dichloropropene	100.000	100.046	-0.0	100	0.00
29 TMP Carbon tetrachloride	100.000	103.206	-3.2	100	0.00
30 S 1,2-Dichloroethane-d4	10.000	9.880	1.2	100	0.00
31 TMP Benzene	100.000	100.236	-0.2	100	0.00
32 TMP Trichloroethene	100.000	95.995	4.0	100	0.00
33 TMP 1,2-Dichloropropane	100.000	103.419	-3.4	100	0.00
34 TMP Bromodichloromethane	100.000	103.621	-3.6	100	0.00
35 S Toluene-d8	10.000	10.059	-0.6	100	0.00
36 TMP Dibromomethane	100.000	102.211	-2.2	100	0.00
37 TMP 4-Methyl-2-pentanone	500.000	527.038	-5.4	100	0.00
38 TMP cis-1,3-Dichloropropene	100.000	103.435	-3.4	100	0.00
39 I Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40 TMP Toluene	100.000	99.805	0.2	100	0.00
41 TMP trans-1,3-Dichloropropene	100.000	103.055	-3.1	100	0.00
42 TMP 1,1,2-Trichloroethane	100.000	99.980	0.0	100	0.00
43 TMP 2-Hexanone	500.000	503.420	-0.7	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110816.D
 Acq On : 8 Nov 2022 3:19 pm
 Operator : LM
 Sample : 100 ppb 8260 ICAL 67-177S
 Misc : soil/water
 ALS Vial : 14 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:45 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	100.000	103.075	-3.1	100	0.00
45 TMP Tetrachloroethene	100.000	100.570	-0.6	100	0.00
46 TMP Dibromochloromethane	100.000	102.353	-2.4	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	100.000	101.431	-1.4	100	0.00
48 TMP Chlorobenzene	100.000	99.251	0.7	100	0.00
49 TMP Ethylbenzene	100.000	98.315	1.7	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	100.000	101.613	-1.6	100	0.00
51 TMP m,p-Xylene	200.000	200.512	-0.3	100	0.00
52 TMP o-Xylene	100.000	97.329	2.7	100	0.00
53 TMP Styrene	100.000	101.462	-1.5	100	0.00
54 TMP Isopropylbenzene	100.000	98.113	1.9	100	0.00
55 TMP Bromoform	100.000	103.290	-3.3	100	0.00
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	10.000	9.901	1.0	100	0.00
58 TMP n-Propylbenzene	100.000	99.118	0.9	100	0.00
59 TMP Bromobenzene	100.000	100.404	-0.4	100	0.00
60 TMP 1,3,5-Trimethylbenzene	100.000	102.196	-2.2	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	100.000	103.042	-3.0	100	0.00
62 TMP 1,2,3-Trichloropropane	100.000	100.038	-0.0	100	0.00
63 TMP 2-Chlorotoluene	100.000	99.668	0.3	100	0.00
64 TMP 4-Chlorotoluene	100.000	101.737	-1.7	100	0.00
65 TMP tert-Butylbenzene	100.000	100.657	-0.7	100	0.00
66 TMP 1,2,4-Trimethylbenzene	100.000	100.150	-0.2	100	0.00
67 TMP sec-Butylbenzene	100.000	101.025	-1.0	100	0.00
68 TMP p-Isopropyltoluene	100.000	101.272	-1.3	100	0.00
69 TMP 1,3-Dichlorobenzene	100.000	100.290	-0.3	100	0.00
70 TMP 1,4-Dichlorobenzene	100.000	99.443	0.6	100	0.00
71 TMP 1,2-Dichlorobenzene	100.000	101.263	-1.3	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	100.000	108.328	-8.3	100	0.00
73 TMP 1,2,4-Trichlorobenzene	100.000	102.969	-3.0	100	0.00
74 TMP Hexachlorobutadiene	100.000	102.239	-2.2	100	0.00
75 TMP Naphthalene	100.000	105.976	-6.0	100	0.00
76 TMP 1,2,3-Trichlorobenzene	100.000	103.818	-3.8	100	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110816.D
 Acq On : 8 Nov 2022 3:19 pm
 Operator : LM
 Sample : 100 ppb 8260 ICAL 67-1775
 Misc : soil/water
 ALS Vial : 14 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:45 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I Fluorobenzene	1.000	1.000	0.0	100	0.00
2 TMP Ethanol	0.000	0.000#	0.0	100	0.00
3 S Dibromofluoromethane	0.275	0.274	0.4	100	0.00
4 TMP Dichlorodifluoromethane	0.410	0.430	-4.9	100	0.00
5 TMP Chloromethane	0.380	0.380	0.0	100	0.00
6 TMP Vinyl chloride	0.360	0.380	-5.6	100	0.00
7 TMP Bromomethane	0.168	0.161	4.2	100	0.00
8 TMP Chloroethane	0.189	0.179	5.3	100	0.00
9 TMP Trichlorofluoromethane	0.562	0.583	-3.7	100	0.00
10 TMP 2-Propanol	0.000	0.000	0.0	0#	0.00
11 TMP Acetone	0.037	0.032	13.5	100	0.00
12 TMP 1,1-Dichloroethene	0.333	0.318	4.5	100	0.00
13 TMP Hexane	0.348	0.335	3.7	100	0.00
14 TMP Methylene chloride	0.369	0.324	12.2	100	0.00
15 TMP t-Butyl alcohol (TBA)	0.051	0.052	-2.0	100	0.00
16 TMP Methyl t-butyl ether (MTBE)	0.971	0.980	-0.9	100	0.00
17 TMP trans-1,2-Dichloroethene	0.353	0.343	2.8	100	0.00
18 TMP Diisopropyl ether (DIPE)	0.889	0.885	0.4	100	0.00
19 TMP 1,1-Dichloroethane	0.536	0.530	1.1	100	0.00
20 TMP Ethyl t-butyl ether (ETBE)	0.425	0.432	-1.6	100	0.00
21 TMP 2,2-Dichloropropane	0.352	0.319	9.4	100	0.00
22 TMP cis-1,2-Dichloroethene	0.382	0.369	3.4	100	0.00
23 TMP Chloroform	0.583	0.583	0.0	100	0.00
24 TMP 2-Butanone (MEK)	0.186	0.177	4.8	100	0.00
25 TMP t-Amyl methyl ether (TAME)	0.964	0.977	-1.3	100	0.00
26 TMP 1,2-Dichloroethane (EDC)	0.438	0.438	0.0	100	0.00
27 TMP 1,1,1-Trichloroethane	0.532	0.532	0.0	100	0.00
28 TMP 1,1-Dichloropropene	0.448	0.448	0.0	100	0.00
29 TMP Carbon tetrachloride	0.479	0.495	-3.3	100	0.00
30 S 1,2-Dichloroethane-d4	0.063	0.063	0.0	100	0.00
31 TMP Benzene	1.286	1.289	-0.2	100	0.00
32 TMP Trichloroethene	0.373	0.358	4.0	100	0.00
33 TMP 1,2-Dichloropropane	0.284	0.294	-3.5	100	0.00
34 TMP Bromodichloromethane	0.432	0.447	-3.5	100	0.00
35 S Toluene-d8	1.002	1.008	-0.6	100	0.00
36 TMP Dibromomethane	0.216	0.220	-1.9	100	0.00
37 TMP 4-Methyl-2-pentanone	0.077	0.081	-5.2	100	0.00
38 TMP cis-1,3-Dichloropropene	0.504	0.522	-3.6	100	0.00
39 I Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40 TMP Toluene	0.968	0.966	0.2	100	0.00
41 TMP trans-1,3-Dichloropropene	0.553	0.570	-3.1	100	0.00
42 TMP 1,1,2-Trichloroethane	0.293	0.293	0.0	100	0.00
43 TMP 2-Hexanone	0.320	0.323	-0.9	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110816.D
 Acq On : 8 Nov 2022 3:19 pm
 Operator : LM
 Sample : 100 ppb 8260 ICAL 67-1775
 Misc : soil/water
 ALS Vial : 14 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:45 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.560	0.577	-3.0	100	0.00
45 TMP Tetrachloroethene	0.431	0.433	-0.5	100	0.00
46 TMP Dibromochloromethane	0.429	0.470	-9.6	100	0.00
47 TMP 1,2-Dibromoethane (EOB)	0.398	0.404	-1.5	100	0.00
48 TMP Chlorobenzene	1.148	1.139	0.8	100	0.00
49 TMP Ethylbenzene	1.845	1.814	1.7	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.426	0.432	-1.4	100	0.00
51 TMP m,p-Xylene	0.746	0.748	-0.3	100	0.00
52 TMP o-Xylene	0.741	0.721	2.7	100	0.00
53 TMP Styrene	1.258	1.276	-1.4	100	0.00
54 TMP Isopropylbenzene	1.878	1.843	1.9	100	0.00
55 TMP Bromoform	0.362	0.406	-12.2	100	0.00
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	0.701	0.694	1.0	100	0.00
58 TMP n-Propylbenzene	3.165	3.137	0.9	100	0.00
59 TMP Bromobenzene	0.916	0.920	-0.4	100	0.00
60 TMP 1,3,5-Trimethylbenzene	2.336	2.388	-2.2	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.806	0.831	-3.1	100	0.00
62 TMP 1,2,3-Trichloropropane	0.610	0.611	-0.2	100	0.00
63 TMP 2-Chlorotoluene	1.890	1.883	0.4	100	0.00
64 TMP 4-Chlorotoluene	2.253	2.292	-1.7	100	0.00
65 TMP tert-Butylbenzene	2.062	2.076	-0.7	100	0.00
66 TMP 1,2,4-Trimethylbenzene	2.433	2.437	-0.2	100	0.00
67 TMP sec-Butylbenzene	2.769	2.797	-1.0	100	0.00
68 TMP p-Isopropyltoluene	2.526	2.558	-1.3	100	0.00
69 TMP 1,3-Dichlorobenzene	1.624	1.629	-0.3	100	0.00
70 TMP 1,4-Dichlorobenzene	1.675	1.666	0.5	100	0.00
71 TMP 1,2-Dichlorobenzene	1.595	1.615	-1.3	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	0.167	0.181	-8.4	100	0.00
73 TMP 1,2,4-Trichlorobenzene	1.200	1.236	-3.0	100	0.00
74 TMP Hexachlorobutadiene	0.463	0.473	-2.2	100	0.00
75 TMP Naphthalene	2.957	3.133	-6.0	100	0.00
76 TMP 1,2,3-Trichlorobenzene	1.136	1.179	-3.8	100	0.00

(#) = Out of Range

SPCC's out = 1 CCC's out = 0

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110816.D
 Acq On : 8 Nov 2022 3:19 pm
 Operator : LM
 Sample : 100 ppb 8260 ICAL 67-177S
 Misc : soil/water
 ALS Vial : 14 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:45 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	4.78	96	90209	10.000	ppb	0.00
39) Chlorobenzene-d5	7.43	117	77727	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.65	152	50521	10.000	ppb	# 0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.21	113	24754	9.982	ppb	0.00
Spiked Amount	10.000	Range	0 - 1000	Recovery	=	99.80%
30) 1,2-Dichloroethane-d4	4.49	102	5659	9.880	ppb	0.00
Spiked Amount	10.000	Range	90 - 109	Recovery	=	98.80%
35) Toluene-d8	6.14	98	90899	10.059	ppb	0.00
Spiked Amount	10.000	Range	89 - 112	Recovery	=	100.60%
57) 4-Bromofluorobenzene	8.54	95	35078	9.901	ppb	0.00
Spiked Amount	10.000	Range	84 - 115	Recovery	=	99.00%
Target Compounds						
						Qvalue
2) Ethanol	1.07	45	3477	No Calib		
4) Dichlorodifluoromethane	1.18	85	388073	105.023	ppb	94
5) Chloromethane	1.32	50	342904	100.091	ppb	98
6) Vinyl chloride	1.40	62	343106	105.570	ppb	99
7) Bromomethane	1.63	94	145665	96.389	ppb	96
8) Chloroethane	1.70	64	161462	94.730	ppb	97
9) Trichlorofluoromethane	1.89	101	526041m	103.817	ppb	
10) 2-Propanol	2.99	45	43581	No Calib		
11) Acetone	2.39	58	143031	434.249	ppb	99
12) 1,1-Dichloroethene	2.32	96	286455	95.252	ppb	# 81
13) Hexane	3.21	57	301980	96.057	ppb	95
14) Methylene chloride	2.74	84	292512	101.987	ppb	86
15) t-Butyl alcohol (TBA)	2.87	59	232366	502.749	ppb	88
16) Methyl t-butyl ether (...)	2.99	73	884496	100.931	ppb	97
17) trans-1,2-Dichloroethene	2.97	96	309333	97.177	ppb	86
18) Diisopropyl ether (DIPE)	3.40	45	798020	99.558	ppb	94
19) 1,1-Dichloroethane	3.32	63	478445	98.993	ppb	98
20) Ethyl t-butyl ether (E...)	3.70	87	389953	101.717	ppb	85
21) 2,2-Dichloropropane	3.81	77	287714	98.803	ppb	97
22) cis-1,2-Dichloroethene	3.81	96	333322	96.730	ppb	# 81
23) Chloroform	4.08	83	525861	100.511	ppb	99
24) 2-Butanone (MEK)	3.83	43	797553	475.073	ppb	95
25) t-Amyl methyl ether (T...)	4.65	73	881321	101.386	ppb	99
26) 1,2-Dichloroethane (EDC)	4.56	62	395528	100.066	ppb	95
27) 1,1,1-Trichloroethane	4.23	97	480273	100.003	ppb	94
28) 1,1-Dichloropropene	4.37	75	404433	100.046	ppb	91
29) Carbon tetrachloride	4.37	117	446189	103.206	ppb	93
31) Benzene	4.54	78	1162480	100.236	ppb	95
32) Trichloroethene	5.09	95	322900	95.995	ppb	79
33) 1,2-Dichloropropane	5.28	63	265341	103.419	ppb	96
34) Bromodichloromethane	5.51	83	403512	103.621	ppb	97
36) Dibromomethane	5.37	93	198910	102.211	ppb	84

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110816.D
 Acq On : 8 Nov 2022 3:19 pm
 Operator : LM
 Sample : 100 ppb 8260 ICAL 67-177S
 Misc : soil/water
 ALS Vial : 14 Sample Multiplier: 1
 InstName : GCMS4

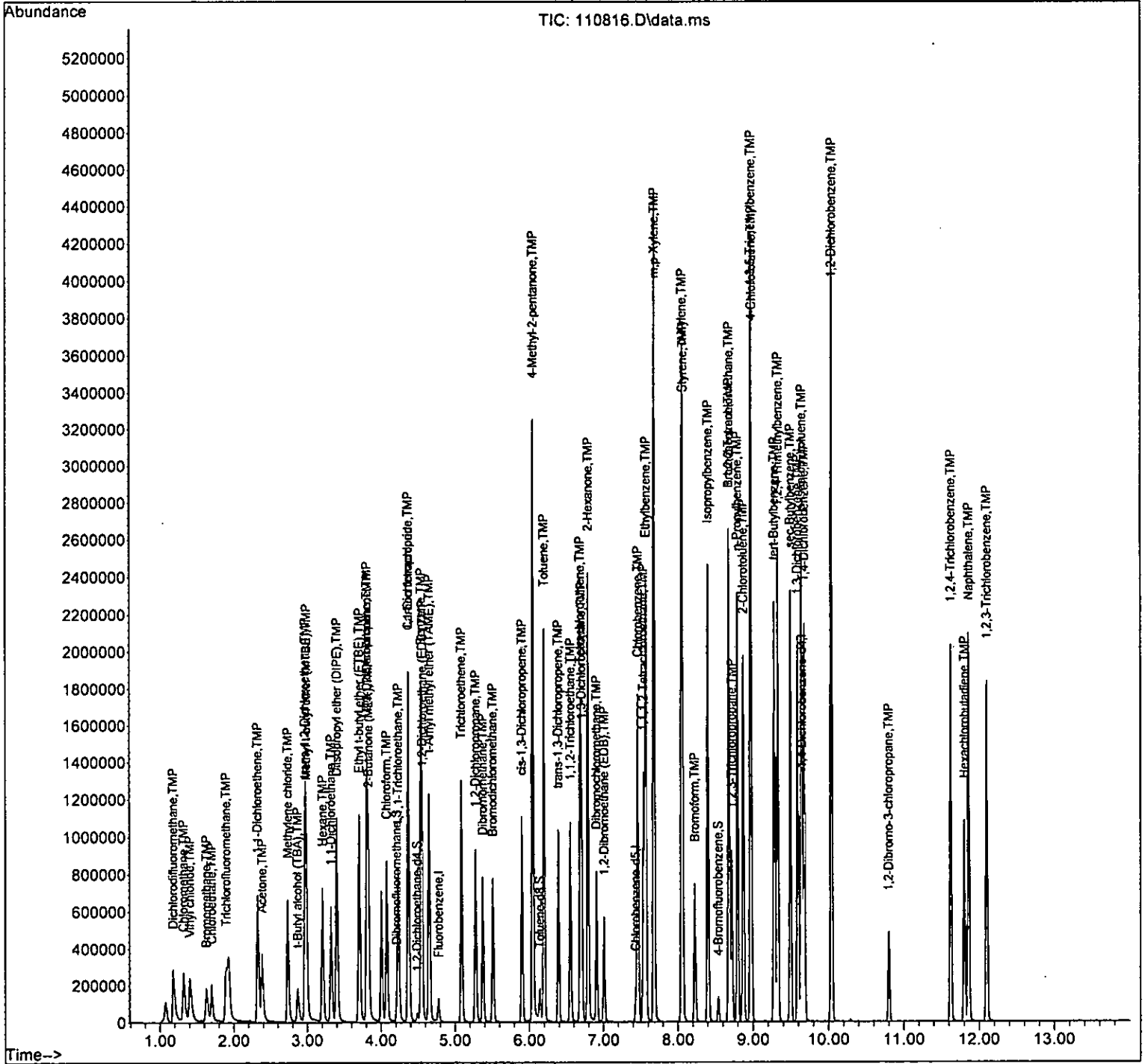
Quant Time: Nov 08 16:47:45 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	6.05	85	365575	527.038	ppb	# 77
38) cis-1,3-Dichloropropene	5.90	75	470466	103.435	ppb	94
40) Toluene	6.20	92	750706	99.805	ppb	99
41) trans-1,3-Dichloropropene	6.39	75	442865	103.055	ppb	95
42) 1,1,2-Trichloroethane	6.56	83	227763	99.980	ppb	88
43) 2-Hexanone	6.79	43	1253821	503.420	ppb	95
44) 1,3-Dichloropropane	6.70	76	448818	103.075	ppb	99
45) Tetrachloroethene	6.69	164	336789	100.570	ppb	98
46) Dibromochloromethane	6.91	129	365527	102.353	ppb	99
47) 1,2-Dibromoethane (EDB)	7.01	107	313938	101.431	ppb	98
48) Chlorobenzene	7.47	112	885680	99.251	ppb	88
49) Ethylbenzene	7.57	91	1410043	98.315	ppb	93
50) 1,1,1,2-Tetrachloroethane	7.54	131	336104	101.613	ppb	96
51) m,p-Xylene	7.68	106	1162563	200.512	ppb	89
52) o-Xylene	8.05	106	560722	97.329	ppb	90
53) Styrene	8.06	104	992092	101.462	ppb	87
54) Isopropylbenzene	8.40	105	1432180	98.113	ppb	95
55) Bromoform	8.22	173	315757	103.290	ppb	98
58) n-Propylbenzene	8.79	91	1585005	99.118	ppb	94
59) Bromobenzene	8.68	156	464555	100.404	ppb	# 85
60) 1,3,5-Trimethylbenzene	8.97	105	1206215	102.196	ppb	89
61) 1,1,2,2-Tetrachloroethane	8.68	83	419631	103.042	ppb	97
62) 1,2,3-Trichloropropane	8.72	75	308533	100.038	ppb	100
63) 2-Chlorotoluene	8.87	91	951436	99.668	ppb	87
64) 4-Chlorotoluene	8.98	91	1158101	101.737	ppb	84
65) tert-Butylbenzene	9.28	119	1048786	100.657	ppb	86
66) 1,2,4-Trimethylbenzene	9.33	105	1231028	100.150	ppb	92
67) sec-Butylbenzene	9.49	105	1413201	101.025	ppb	93
68) p-Isopropyltoluene	9.64	119	1292181	101.272	ppb	91
69) 1,3-Dichlorobenzene	9.59	146	822900	100.290	ppb	96
70) 1,4-Dichlorobenzene	9.68	146	841681	99.443	ppb	94
71) 1,2-Dichlorobenzene	10.04	146	815960	101.263	ppb	94
72) 1,2-Dibromo-3-chloropr...	10.80	75	91462	108.328	ppb	# 64
73) 1,2,4-Trichlorobenzene	11.62	180	624412	102.969	ppb	98
74) Hexachlorobutadiene	11.81	225	238986	102.239	ppb	98
75) Naphthalene	11.86	128	1583066	105.976	ppb	99
76) 1,2,3-Trichlorobenzene	12.10	180	595837	103.818	ppb	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110816.D
 Acq On : 8 Nov 2022 3:19 pm
 Operator : LM
 Sample : 100 ppb 8260 ICAL 67-177S
 Misc : soil/water
 ALS Vial : 14 Sample Multiplier: 1
 InstName : GCMS4

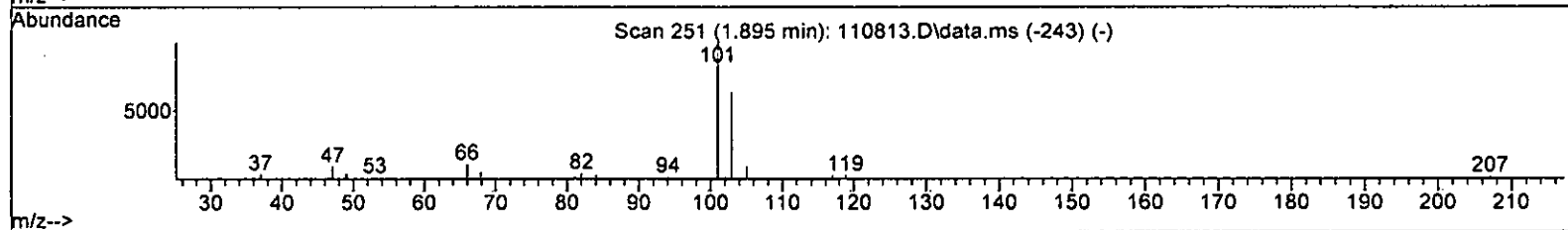
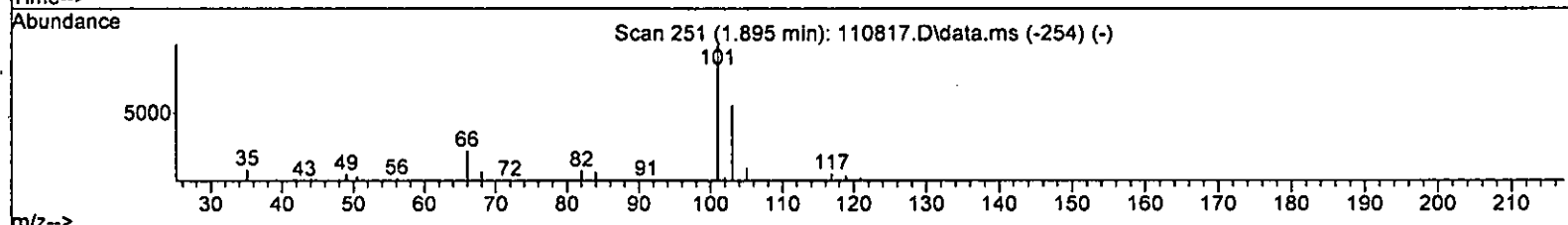
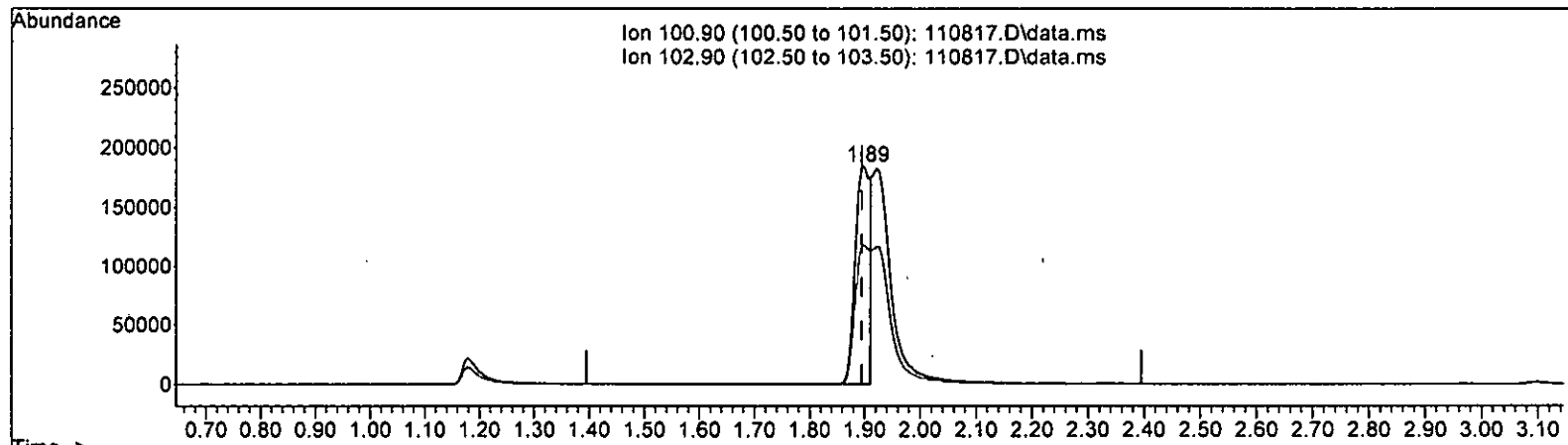
Quant Time: Nov 08 16:47:45 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110817.D
 Acq On : 8 Nov 2022 3:43 pm
 Operator : LM
 Sample : 150 ppb 8260 ICAL 67-177T
 Misc : soil/water
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:47 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



TIC: 110817.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.895min (-0.000) 70.941 ppb

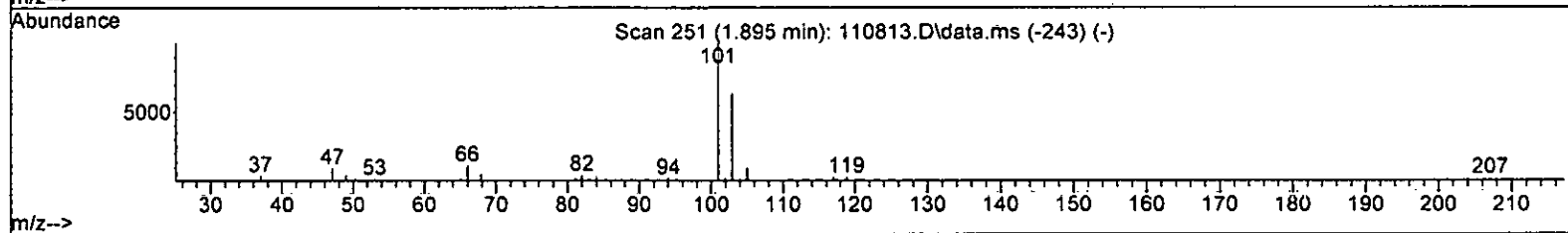
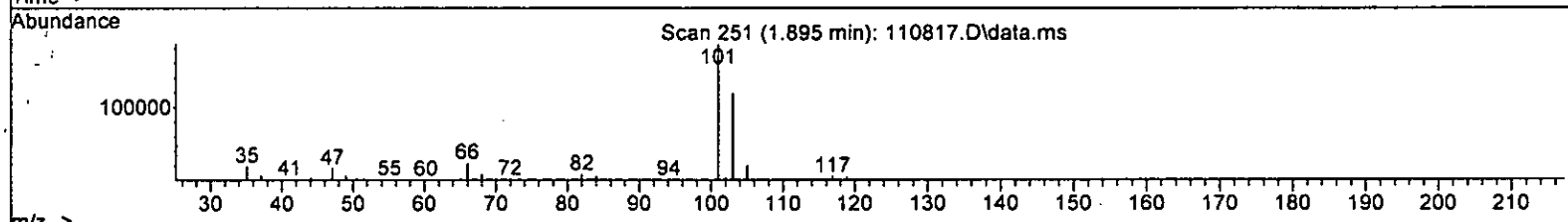
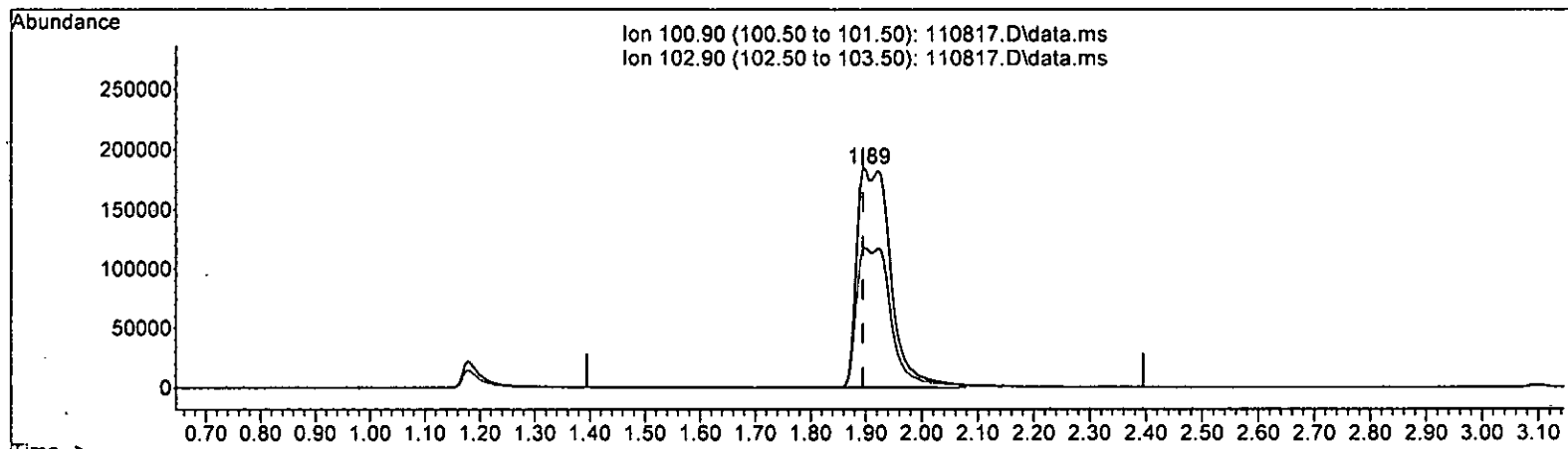
response 347724

Ion	Exp%	Act%
100.90	100.00	100.00
102.90	61.00	64.13
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110817.D
 Acq On : 8 Nov 2022 3:43 pm
 Operator : LM
 Sample : 150 ppb 8260 ICAL 67-177T
 Misc : soil/water
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:47 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



TIC: 110817.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.895min (-0.000) 157.171 ppb m

response 770394

Ion	Exp%	Act%
100.90	100.00	100.00
102.90	61.00	64.13
0.00	0.00	0.00
0.00	0.00	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110817.D
 Acq On : 8 Nov 2022 3:43 pm
 Operator : LM
 Sample : 150 ppb 8260 ICAL 67-177T
 Misc : soil/water
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:47 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2 TMP	Ethanol	-1.000	0.000	0.0	100	0.01
3 S	Dibromofluoromethane	10.000	10.127	-1.3	100	0.00
4 TMP	Dichlorodifluoromethane	150.000	160.779	-7.2	100	0.00
5 TMP	Chloromethane	150.000	148.531	1.0	100	0.00
6 TMP	Vinyl chloride	150.000	159.278	-6.2	100	0.00
7 TMP	Bromomethane	-1.000	222.203	0.0	0	0.00
8 TMP	Chloroethane	150.000	157.706	-5.1	100	0.00
9 TMP	Trichlorofluoromethane	150.000	157.171	-4.8	100	0.00
10 TMP	2-Propanol	-1.000	0.000	0.0	0	0.00
11 TMP	Acetone	750.000	803.076	-7.1	100	0.00
12 TMP	1,1-Dichloroethene	150.000	142.474	5.0	100	0.00
13 TMP	Hexane	150.000	141.811	5.5	100	0.00
14 TMP	Methylene chloride	150.000	152.590	-1.7	100	0.00
15 TMP	t-Butyl alcohol (TBA)	750.000	733.923	2.1	100	0.00
16 TMP	Methyl t-butyl ether (MTBE)	150.000	153.425	-2.3	100	0.00
17 TMP	trans-1,2-Dichloroethene	150.000	145.930	2.7	100	0.00
18 TMP	Diisopropyl ether (DIPE)	150.000	150.383	-0.3	100	0.00
19 TMP	1,1-Dichloroethane	150.000	148.989	0.7	100	0.00
20 TMP	Ethyl t-butyl ether (ETBE)	150.000	150.798	-0.5	100	0.00
21 TMP	2,2-Dichloropropane	150.000	147.839	1.4	100	0.00
22 TMP	cis-1,2-Dichloroethene	150.000	146.157	2.6	100	0.00
23 TMP	Chloroform	150.000	150.273	-0.2	100	0.00
24 TMP	2-Butanone (MEK)	750.000	831.242	-10.8	100	0.00
25 TMP	t-Amyl methyl ether (TAME)	150.000	150.248	-0.2	100	0.00
26 TMP	1,2-Dichloroethane (EDC)	150.000	147.961	1.4	100	0.00
27 TMP	1,1,1-Trichloroethane	150.000	149.626	0.2	100	0.00
28 TMP	1,1-Dichloropropene	150.000	149.577	0.3	100	0.00
29 TMP	Carbon tetrachloride	150.000	154.332	-2.9	100	0.00
30 S	1,2-Dichloroethane-d4	10.000	9.950	0.5	100	0.00
31 TMP	Benzene	150.000	149.122	0.6	100	0.00
32 TMP	Trichloroethene	150.000	157.173	-4.8	100	0.00
33 TMP	1,2-Dichloropropane	150.000	153.516	-2.3	100	0.00
34 TMP	Bromodichloromethane	150.000	155.296	-3.5	100	0.00
35 S	Toluene-d8	10.000	10.148	-1.5	100	0.00
36 TMP	Dibromomethane	150.000	151.439	-1.0	100	0.00
37 TMP	4-Methyl-2-pentanone	750.000	769.200	-2.6	100	0.00
38 TMP	cis-1,3-Dichloropropene	150.000	154.670	-3.1	100	0.00
39 I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40 TMP	Toluene	150.000	150.461	-0.3	100	0.00
41 TMP	trans-1,3-Dichloropropene	150.000	152.634	-1.8	100	0.00
42 TMP	1,1,2-Trichloroethane	150.000	147.481	1.7	100	0.00
43 TMP	2-Hexanone	750.000	741.346	1.2	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110817.D
 Acq On : 8 Nov 2022 3:43 pm
 Operator : LM
 Sample : 150 ppb 8260 ICAL 67-177T
 Misc : soil/water
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:47 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	150.000	151.813	-1.2	100	0.00
45 TMP Tetrachloroethene	150.000	150.063	-0.0	100	0.00
46 TMP Dibromochloromethane	150.000	149.415	0.4	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	150.000	150.342	-0.2	100	0.00
48 TMP Chlorobenzene	150.000	148.630	0.9	100	0.00
49 TMP Ethylbenzene	150.000	147.471	1.7	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	150.000	153.290	-2.2	100	0.00
51 TMP m,p-Xylene	300.000	301.563	-0.5	100	0.00
52 TMP o-Xylene	150.000	148.379	1.1	100	0.00
53 TMP Styrene	150.000	153.291	-2.2	100	0.00
54 TMP Isopropylbenzene	150.000	149.367	0.4	100	0.00
55 TMP Bromoform	150.000	149.635	0.2	100	0.00
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	10.000	9.965	0.4	100	0.00
58 TMP n-Propylbenzene	150.000	144.973	3.4	100	0.00
59 TMP Bromobenzene	150.000	145.203	3.2	100	0.00
60 TMP 1,3,5-Trimethylbenzene	150.000	151.604	-1.1	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	150.000	132.623	11.6	100	0.00
62 TMP 1,2,3-Trichloropropane	150.000	142.849	4.8	100	0.00
63 TMP 2-Chlorotoluene	150.000	146.287	2.5	100	0.00
64 TMP 4-Chlorotoluene	150.000	149.830	0.1	100	0.00
65 TMP tert-Butylbenzene	150.000	147.958	1.4	100	0.00
66 TMP 1,2,4-Trimethylbenzene	150.000	148.311	1.1	100	0.00
67 TMP sec-Butylbenzene	150.000	148.170	1.2	100	0.00
68 TMP p-Isopropyltoluene	150.000	148.719	0.9	100	0.00
69 TMP 1,3-Dichlorobenzene	150.000	147.521	1.7	100	0.00
70 TMP 1,4-Dichlorobenzene	150.000	148.091	1.3	100	0.00
71 TMP 1,2-Dichlorobenzene	150.000	149.796	0.1	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	150.000	156.965	-4.6	100	0.00
73 TMP 1,2,4-Trichlorobenzene	150.000	140.944	6.0	100	0.00
74 TMP Hexachlorobutadiene	150.000	135.805	9.5	100	0.00
75 TMP Naphthalene	150.000	147.126	1.9	100	0.00
76 TMP 1,2,3-Trichlorobenzene	150.000	139.550	7.0	100	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110817.D
 Acq On : 8 Nov 2022 3:43 pm
 Operator : LM
 Sample : 150 ppb 8260 ICAL 67-177T
 Misc : soil/water
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:47 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I Fluorobenzene	1.000	1.000	0.0	100	0.00
2 TMP Ethanol	0.000	0.000#	0.0	100	0.01
3 S Dibromofluoromethane	0.275	0.278	-1.1	100	0.00
4 TMP Dichlorodifluoromethane	0.410	0.439	-7.1	100	0.00
5 TMP Chloromethane	0.380	0.376	1.1	100	0.00
6 TMP Vinyl chloride	0.360	0.383	-6.4	100	0.00
7 TMP Bromomethane	0.168	0.000#	100.0#	0#	0.00
8 TMP Chloroethane	0.189	0.199	-5.3	100	0.00
9 TMP Trichlorofluoromethane	0.562	0.589	-4.8	100	0.00
10 TMP 2-Propanol	0.000	0.000	0.0	0#	0.00
11 TMP Acetone	0.037	0.052	-40.5#	100	0.00
12 TMP 1,1-Dichloroethene	0.333	0.317	4.8	100	0.00
13 TMP Hexane	0.348	0.329	5.5	100	0.00
14 TMP Methylene chloride	0.369	0.322	12.7	100	0.00
15 TMP t-Butyl alcohol (TBA)	0.051	0.050	2.0	100	0.00
16 TMP Methyl t-butyl ether (MTBE)	0.971	0.994	-2.4	100	0.00
17 TMP trans-1,2-Dichloroethene	0.353	0.343	2.8	100	0.00
18 TMP Diisopropyl ether (DIPE)	0.889	0.891	-0.2	100	0.00
19 TMP 1,1-Dichloroethane	0.536	0.532	0.7	100	0.00
20 TMP Ethyl t-butyl ether (ETBE)	0.425	0.427	-0.5	100	0.00
21 TMP 2,2-Dichloropropane	0.352	0.308	12.5	100	0.00
22 TMP cis-1,2-Dichloroethene	0.382	0.372	2.6	100	0.00
23 TMP Chloroform	0.583	0.581	0.3	100	0.00
24 TMP 2-Butanone (MEK)	0.186	0.206	-10.8	100	0.00
25 TMP t-Amyl methyl ether (TAME)	0.964	0.965	-0.1	100	0.00
26 TMP 1,2-Dichloroethane (EDC)	0.438	0.432	1.4	100	0.00
27 TMP 1,1,1-Trichloroethane	0.532	0.531	0.2	100	0.00
28 TMP 1,1-Dichloropropene	0.448	0.447	0.2	100	0.00
29 TMP Carbon tetrachloride	0.479	0.493	-2.9	100	0.00
30 S 1,2-Dichloroethane-d4	0.063	0.063	0.0	100	0.00
31 TMP Benzene	1.286	1.278	0.6	100	0.00
32 TMP Trichloroethene	0.373	0.391	-4.8	100	0.00
33 TMP 1,2-Dichloropropane	0.284	0.291	-2.5	100	0.00
34 TMP Bromodichloromethane	0.432	0.447	-3.5	100	0.00
35 S Toluene-d8	1.002	1.017	-1.5	100	0.00
36 TMP Dibromomethane	0.216	0.218	-0.9	100	0.00
37 TMP 4-Methyl-2-pentanone	0.077	0.079	-2.6	100	0.00
38 TMP cis-1,3-Dichloropropene	0.504	0.520	-3.2	100	0.00
39 I Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40 TMP Toluene	0.968	0.971	-0.3	100	0.00
41 TMP trans-1,3-Dichloropropene	0.553	0.563	-1.8	100	0.00
42 TMP 1,1,2-Trichloroethane	0.293	0.288	1.7	100	0.00
43 TMP 2-Hexanone	0.320	0.317	0.9	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110817.D
 Acq On : 8 Nov 2022 3:43 pm
 Operator : LM
 Sample : 150 ppb 8260 ICAL 67-177T
 Misc : soil/water
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:47 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.560	0.567	-1.2	100	0.00
45 TMP Tetrachloroethene	0.431	0.431	0.0	100	0.00
46 TMP Dibromochloromethane	0.429	0.476	-11.0	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	0.398	0.399	-0.3	100	0.00
48 TMP Chlorobenzene	1.148	1.138	0.9	100	0.00
49 TMP Ethylbenzene	1.845	1.814	1.7	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.426	0.435	-2.1	100	0.00
51 TMP m,p-Xylene	0.746	0.750	-0.5	100	0.00
52 TMP o-Xylene	0.741	0.733	1.1	100	0.00
53 TMP Styrene	1.258	1.286	-2.2	100	0.00
54 TMP Isopropylbenzene	1.878	1.870	0.4	100	0.00
55 TMP Bromoform	0.362	0.418	-15.5	100	0.00
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	0.701	0.699	0.3	100	0.00
58 TMP n-Propylbenzene	3.165	3.059	3.3	100	0.00
59 TMP Bromobenzene	0.916	0.887	3.2	100	0.00
60 TMP 1,3,5-Trimethylbenzene	2.336	2.361	-1.1	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.806	0.713	11.5	100	0.00
62 TMP 1,2,3-Trichloropropane	0.610	0.581	4.8	100	0.00
63 TMP 2-Chlorotoluene	1.890	1.843	2.5	100	0.00
64 TMP 4-Chlorotoluene	2.253	2.251	0.1	100	0.00
65 TMP tert-Butylbenzene	2.062	2.034	1.4	100	0.00
66 TMP 1,2,4-Trimethylbenzene	2.433	2.406	1.1	100	0.00
67 TMP sec-Butylbenzene	2.769	2.735	1.2	100	0.00
68 TMP p-Isopropyltoluene	2.526	2.504	0.9	100	0.00
69 TMP 1,3-Dichlorobenzene	1.624	1.597	1.7	100	0.00
70 TMP 1,4-Dichlorobenzene	1.675	1.654	1.3	100	0.00
71 TMP 1,2-Dichlorobenzene	1.595	1.593	0.1	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	0.167	0.175	-4.8	100	0.00
73 TMP 1,2,4-Trichlorobenzene	1.200	1.128	6.0	100	0.00
74 TMP Hexachlorobutadiene	0.463	0.419	9.5	100	0.00
75 TMP Naphthalene	2.957	2.900	1.9	100	0.00
76 TMP 1,2,3-Trichlorobenzene	1.136	1.057	7.0	100	0.00

(#) = Out of Range

SPCC's out = 2 CCC's out = 0

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110817.D
 Acq On : 8 Nov 2022 3:43 pm
 Operator : LM
 Sample : 150 ppb 8260 ICAL 67-177T
 Misc : soil/water
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:47 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) Fluorobenzene	4.78	96	87265	10.000	ppb	0.00	
39) Chlorobenzene-d5	7.43	117	74546	10.000	ppb	0.00	
56) 1,4-Dichlorobenzene-d4	9.66	152	50457	10.000	ppb	# 0.00	
System Monitoring Compounds							
3) Dibromofluoromethane	4.21	113	24293	10.127	ppb	0.00	
Spiked Amount	10.000	Range	0 - 1000	Recovery	=	101.30%	
30) 1,2-Dichloroethane-d4	4.49	102	5513	9.950	ppb	0.00	
Spiked Amount	10.000	Range	90 - 109	Recovery	=	99.50%	
35) Toluene-d8	6.14	98	88713	10.148	ppb	0.00	
Spiked Amount	10.000	Range	89 - 112	Recovery	=	101.50%	
57) 4-Bromofluorobenzene	8.54	95	35262	9.965	ppb	0.00	
Spiked Amount	10.000	Range	84 - 115	Recovery	=	99.70%	
Target Compounds							
2) Ethanol	1.08	45	1012	No Calib	#		
4) Dichlorodifluoromethane	1.18	85	574708	160.779	ppb	94	
5) Chloromethane	1.32	50	492248	148.531	ppb	99	
6) Vinyl chloride	1.40	62	500765	159.278	ppb	100	
7) Bromomethane	1.63	94	324838	222.203	ppb	93	
8) Chloroethane	1.70	64	260028	157.706	ppb	97	
9) Trichlorofluoromethane	1.89	101	770394m	157.171	ppb		
10) 2-Propanol	2.98	45	62342	No Calib			
11) Acetone	2.39	58	341517	803.076	ppb	95	
12) 1,1-Dichloroethene	2.33	96	414485	142.474	ppb	# 78	
13) Hexane	3.21	57	431268	141.811	ppb	95	
14) Methylene chloride	2.74	84	421186	152.590	ppb	86	
15) t-Butyl alcohol (TBA)	2.87	59	328142	733.923	ppb	90	
16) Methyl t-butyl ether (...)	2.98	73	1300634	153.425	ppb	96	
17) trans-1,2-Dichloroethene	2.97	96	449363	145.930	ppb	# 82	
18) Diisopropyl ether (DIPE)	3.40	45	1166073	150.383	ppb	93	
19) 1,1-Dichloroethane	3.32	63	696583	148.989	ppb	98	
20) Ethyl t-butyl ether (E...)	3.70	87	559249	150.798	ppb	84	
21) 2,2-Dichloropropane	3.81	77	403341	147.839	ppb	97	
22) cis-1,2-Dichloroethene	3.81	96	487204	146.157	ppb	# 82	
23) Chloroform	4.08	83	760523	150.273	ppb	99	
24) 2-Butanone (MEK)	3.83	43	1349946	831.242	ppb	95	
25) t-Amyl methyl ether (T...)	4.65	73	1263441	150.248	ppb	99	
26) 1,2-Dichloroethane (EDC)	4.56	62	565757	147.961	ppb	95	
27) 1,1,1-Trichloroethane	4.23	97	695143	149.626	ppb	94	
28) 1,1-Dichloropropene	4.37	75	584925	149.577	ppb	92	
29) Carbon tetrachloride	4.37	117	645448	154.332	ppb	92	
31) Benzene	4.54	78	1672993	149.122	ppb	94	
32) Trichloroethene	5.09	95	511431	157.173	ppb	# 76	
33) 1,2-Dichloropropane	5.28	63	381020	153.516	ppb	96	
34) Bromodichloromethane	5.51	83	585005	155.296	ppb	96	
36) Dibromomethane	5.37	93	285094	151.439	ppb	84	

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110817.D
 Acq On : 8 Nov 2022 3:43 pm
 Operator : LM
 Sample : 150 ppb 8260 ICAL 67-177T
 Misc : soil/water
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS4

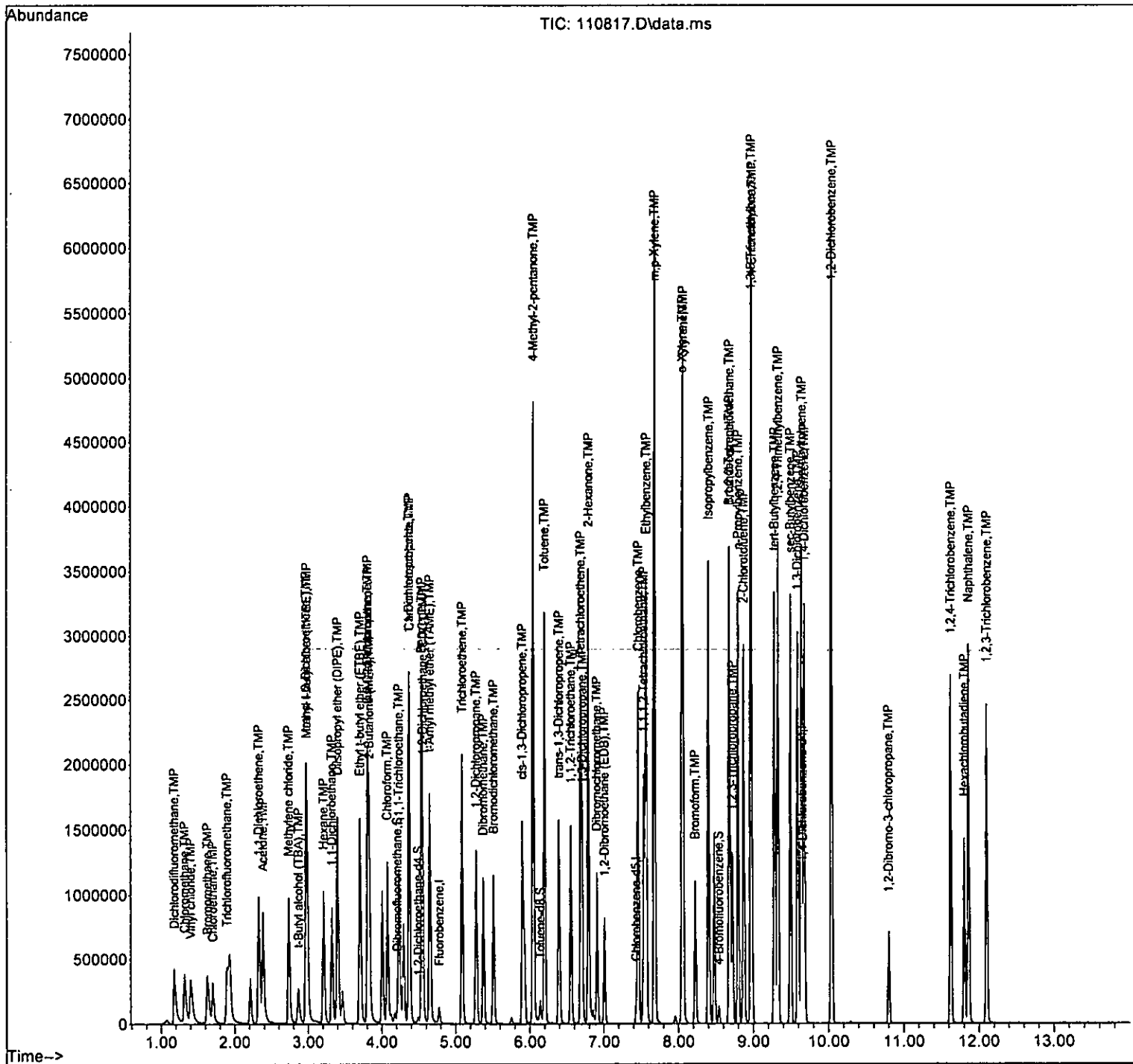
Quant Time: Nov 08 16:47:47 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	6.05	85	516136	769.200	ppb	# 77
38) cis-1,3-Dichloropropene	5.90	75	680547	154.670	ppb	94
40) Toluene	6.20	92	1085409	150.461	ppb	98
41) trans-1,3-Dichloropropene	6.39	75	629083	152.634	ppb	95
42) 1,1,2-Trichloroethane	6.55	83	322225	147.481	ppb	89
43) 2-Hexanone	6.79	43	1770836	741.346	ppb	95
44) 1,3-Dichloropropane	6.71	76	633988	151.813	ppb	99
45) Tetrachloroethene	6.69	164	481966	150.063	ppb	99
46) Dibromochloromethane	6.91	129	532565	149.415	ppb	100
47) 1,2-Dibromoethane (EDB)	7.01	107	446276	150.342	ppb	96
48) Chlorobenzene	7.47	112	1272043	148.630	ppb	88
49) Ethylbenzene	7.57	91	2028479	147.471	ppb	93
50) 1,1,1,2-Tetrachloroethane	7.54	131	486283	153.290	ppb	97
51) m,p-Xylene	7.68	106	1676896	301.563	ppb	90
52) o-Xylene	8.05	106	819845	148.379	ppb	88
53) Styrene	8.06	104	1437539	153.291	ppb	90
54) Isopropylbenzene	8.40	105	2091106	149.367	ppb	94
55) Bromoform	8.22	173	466928	149.635	ppb	98
58) n-Propylbenzene	8.80	91	2315334	144.973	ppb	92
59) Bromobenzene	8.68	156	670981	145.203	ppb	85
60) 1,3,5-Trimethylbenzene	8.97	105	1787109	151.604	ppb	88
61) 1,1,2,2-Tetrachloroethane	8.68	83	539413	132.623	ppb	97
62) 1,2,3-Trichloropropane	8.72	75	440009	142.849	ppb	99
63) 2-Chlorotoluene	8.87	91	1394700	146.287	ppb	89
64) 4-Chlorotoluene	8.98	91	1703393	149.830	ppb	87
65) tert-Butylbenzene	9.28	119	1539673	147.958	ppb	86
66) 1,2,4-Trimethylbenzene	9.33	105	1820708	148.311	ppb	92
67) sec-Butylbenzene	9.49	105	2070080	148.170	ppb	93
68) p-Isopropyltoluene	9.64	119	1895177	148.719	ppb	92
69) 1,3-Dichlorobenzene	9.59	146	1208902	147.521	ppb	96
70) 1,4-Dichlorobenzene	9.68	146	1251852	148.091	ppb	95
71) 1,2-Dichlorobenzene	10.04	146	1205503	149.796	ppb	94
72) 1,2-Dibromo-3-chloropr...	10.80	75	132359	156.965	ppb	# 66
73) 1,2,4-Trichlorobenzene	11.62	180	853611	140.944	ppb	98
74) Hexachlorobutadiene	11.81	225	317045	135.805	ppb	99
75) Naphthalene	11.86	128	2194992	147.126	ppb	99
76) 1,2,3-Trichlorobenzene	12.10	180	799901	139.550	ppb	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110817.D
 Acq On : 8 Nov 2022 3:43 pm
 Operator : LM
 Sample : 150 ppb 8260 ICAL 67-177T
 Misc : soil/water
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:47 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110818.D
 Acq On : 8 Nov 2022 4:07 pm
 Operator : LM
 Sample : 200 ppb 8260 ICAL 67-177U
 Misc : soil/water
 ALS Vial : 16 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:49 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I Fluorobenzene	10.000	10.000	0.0	100	0.00
2 TMP Ethanol	-1.000	0.000	0.0	100	0.00
3 S Dibromofluoromethane	10.000	10.093	-0.9	100	0.00
4 TMP Dichlorodifluoromethane	200.000	217.453	-8.7	100	0.00
5 TMP Chloromethane	200.000	202.726	-1.4	100	0.00
6 TMP Vinyl chloride	200.000	214.441	-7.2	100	0.00
7 TMP Bromomethane	-1.000	196.448	0.0	0	0.00
8 TMP Chloroethane	200.000	194.258	2.9	100	0.00
9 TMP Trichlorofluoromethane	200.000	215.310	-7.7	100	0.02
10 TMP 2-Propanol	-1.000	0.000	0.0	0	0.00
11 TMP Acetone	1000.000	984.873	1.5	100	0.00
12 TMP 1,1-Dichloroethene	200.000	193.732	3.1	100	0.00
13 TMP Hexane	200.000	212.249	-6.1	100	0.00
14 TMP Methylene chloride	200.000	208.160	-4.1	100	0.00
15 TMP t-Butyl alcohol (TBA)	1000.000	997.542	0.2	100	0.00
16 TMP Methyl t-butyl ether (MTBE)	200.000	208.928	-4.5	100	0.00
17 TMP trans-1,2-Dichloroethene	200.000	199.882	0.1	100	0.00
18 TMP Diisopropyl ether (DIPE)	200.000	200.364	-0.2	100	0.00
19 TMP 1,1-Dichloroethane	200.000	202.231	-1.1	100	0.00
20 TMP Ethyl t-butyl ether (ETBE)	200.000	200.482	-0.2	100	0.00
21 TMP 2,2-Dichloropropane	200.000	206.397	-3.2	100	0.00
22 TMP cis-1,2-Dichloroethene	200.000	196.997	1.5	100	0.00
23 TMP Chloroform	200.000	201.234	-0.6	100	0.00
24 TMP 2-Butanone (MEK)	1000.000	1148.351	-14.8	100	0.00
25 TMP t-Amyl methyl ether (TAME)	200.000	204.781	-2.4	100	0.00
26 TMP 1,2-Dichloroethane (EDC)	200.000	200.173	-0.1	100	0.00
27 TMP 1,1,1-Trichloroethane	200.000	200.724	-0.4	100	0.00
28 TMP 1,1-Dichloropropene	200.000	204.390	-2.2	100	0.00
29 TMP Carbon tetrachloride	200.000	210.628	-5.3	100	0.00
30 S 1,2-Dichloroethane-d4	10.000	10.258	-2.6	100	0.00
31 TMP Benzene	200.000	202.231	-1.1	100	0.00
32 TMP Trichloroethene	200.000	217.251	-8.6	100	0.00
33 TMP 1,2-Dichloropropane	200.000	207.720	-3.9	100	0.00
34 TMP Bromodichloromethane	200.000	211.316	-5.7	100	0.00
35 S Toluene-d8	10.000	10.261	-2.6	100	0.00
36 TMP Dibromomethane	200.000	203.691	-1.8	100	0.00
37 TMP 4-Methyl-2-pentanone	1000.000	1052.435	-5.2	100	0.00
38 TMP cis-1,3-Dichloropropene	200.000	208.191	-4.1	100	0.00
39 I Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40 TMP Toluene	200.000	207.013	-3.5	100	0.00
41 TMP trans-1,3-Dichloropropene	200.000	207.365	-3.7	100	0.00
42 TMP 1,1,2-Trichloroethane	200.000	200.690	-0.3	100	0.00
43 TMP 2-Hexanone	1000.000	1005.324	-0.5	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110818.D
 Acq On : 8 Nov 2022 4:07 pm
 Operator : LM
 Sample : 200 ppb 8260 ICAL 67-177U
 Misc : soil/water
 ALS Vial : 16 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:49 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	200.000	204.490	-2.2	100	0.00
45 TMP Tetrachloroethene	200.000	209.724	-4.9	100	0.00
46 TMP Dibromochloromethane	200.000	197.087	1.5	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	200.000	202.415	-1.2	100	0.00
48 TMP Chlorobenzene	200.000	204.009	-2.0	100	0.00
49 TMP Ethylbenzene	200.000	204.372	-2.2	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	200.000	210.932	-5.5	100	0.00
51 TMP m,p-Xylene	400.000	418.652	-4.7	100	0.00
52 TMP o-Xylene	200.000	206.094	-3.0	100	0.00
53 TMP Styrene	200.000	212.285	-6.1	100	0.00
54 TMP Isopropylbenzene	200.000	211.135	-5.6	100	0.00
55 TMP Bromoform	200.000	195.055	2.5	100	0.00
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	10.000	9.524	4.8	100	0.00
58 TMP n-Propylbenzene	200.000	195.029	2.5	100	0.00
59 TMP Bromobenzene	200.000	191.770	4.1	100	0.00
60 TMP 1,3,5-Trimethylbenzene	200.000	205.629	-2.8	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	200.000	170.257	14.9	100	0.00
62 TMP 1,2,3-Trichloropropane	200.000	186.447	6.8	100	0.00
63 TMP 2-Chlorotoluene	200.000	195.437	2.3	100	0.00
64 TMP 4-Chlorotoluene	200.000	200.767	-0.4	100	0.00
65 TMP tert-Butylbenzene	200.000	201.193	-0.6	100	0.00
66 TMP 1,2,4-Trimethylbenzene	200.000	201.840	-0.9	100	0.00
67 TMP sec-Butylbenzene	200.000	205.127	-2.6	100	0.00
68 TMP p-Isopropyltoluene	200.000	208.060	-4.0	100	0.00
69 TMP 1,3-Dichlorobenzene	200.000	200.252	-0.1	100	0.00
70 TMP 1,4-Dichlorobenzene	200.000	200.125	-0.1	100	0.00
71 TMP 1,2-Dichlorobenzene	200.000	202.518	-1.3	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	200.000	211.545	-5.8	100	0.00
73 TMP 1,2,4-Trichlorobenzene	200.000	200.549	-0.3	100	0.00
74 TMP Hexachlorobutadiene	200.000	206.269	-3.1	100	0.00
75 TMP Naphthalene	200.000	205.253	-2.6	100	0.00
76 TMP 1,2,3-Trichlorobenzene	200.000	202.523	-1.3	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110818.D
 Acq On : 8 Nov 2022 4:07 pm
 Operator : LM
 Sample : 200 ppb 8260 ICAL 67-177U
 Misc : soil/water
 ALS Vial : 16 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:49 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I Fluorobenzene	1.000	1.000	0.0	100	0.00
2 TMP Ethanol	0.000	0.000#	0.0	100	0.00
3 S Dibromofluoromethane	0.275	0.277	-0.7	100	0.00
4 TMP Dichlorodifluoromethane	0.410	0.445	-8.5	100	0.00
5 TMP Chloromethane	0.380	0.385	-1.3	100	0.00
6 TMP Vinyl chloride	0.360	0.386	-7.2	100	0.00
7 TMP Bromomethane	0.168	0.000#	100.0#	0#	0.00
8 TMP Chloroethane	0.189	0.184	2.6	100	0.00
9 TMP Trichlorofluoromethane	0.562	0.605	-7.7	100	0.02
10 TMP 2-Propanol	0.000	0.000	0.0	0#	0.00
11 TMP Acetone	0.037	0.054	-45.9#	100	0.00
12 TMP 1,1-Dichloroethene	0.333	0.323	3.0	100	0.00
13 TMP Hexane	0.348	0.370	-6.3	100	0.00
14 TMP Methylene chloride	0.369	0.328	11.1	100	0.00
15 TMP t-Butyl alcohol (TBA)	0.051	0.051	0.0	100	0.00
16 TMP Methyl t-butyl ether (MTBE)	0.971	1.015	-4.5	100	0.00
17 TMP trans-1,2-Dichloroethene	0.353	0.353	0.0	100	0.00
18 TMP Diisopropyl ether (DIPE)	0.889	0.890	-0.1	100	0.00
19 TMP 1,1-Dichloroethane	0.536	0.542	-1.1	100	0.00
20 TMP Ethyl t-butyl ether (ETBE)	0.425	0.426	-0.2	100	0.00
21 TMP 2,2-Dichloropropane	0.352	0.310	11.9	100	0.00
22 TMP cis-1,2-Dichloroethene	0.382	0.376	1.6	100	0.00
23 TMP Chloroform	0.583	0.584	-0.2	100	0.00
24 TMP 2-Butanone (MEK)	0.186	0.214	-15.1	100	0.00
25 TMP t-Amyl methyl ether (TAME)	0.964	0.987	-2.4	100	0.00
26 TMP 1,2-Dichloroethane (EDC)	0.438	0.439	-0.2	100	0.00
27 TMP 1,1,1-Trichloroethane	0.532	0.534	-0.4	100	0.00
28 TMP 1,1-Dichloropropene	0.448	0.458	-2.2	100	0.00
29 TMP Carbon tetrachloride	0.479	0.505	-5.4	100	0.00
30 S 1,2-Dichloroethane-d4	0.063	0.065	-3.2	100	0.00
31 TMP Benzene	1.286	1.300	-1.1	100	0.00
32 TMP Trichloroethene	0.373	0.405	-8.6	100	0.00
33 TMP 1,2-Dichloropropane	0.284	0.295	-3.9	100	0.00
34 TMP Bromodichloromethane	0.432	0.456	-5.6	100	0.00
35 S Toluene-d8	1.002	1.028	-2.6	100	0.00
36 TMP Dibromomethane	0.216	0.220	-1.9	100	0.00
37 TMP 4-Methyl-2-pentanone	0.077	0.081	-5.2	100	0.00
38 TMP cis-1,3-Dichloropropene	0.504	0.525	-4.2	100	0.00
39 I Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40 TMP Toluene	0.968	1.002	-3.5	100	0.00
41 TMP trans-1,3-Dichloropropene	0.553	0.573	-3.6	100	0.00
42 TMP 1,1,2-Trichloroethane	0.293	0.294	-0.3	100	0.00
43 TMP 2-Hexanone	0.320	0.322	-0.6	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110818.D
 Acq On : 8 Nov 2022 4:07 pm
 Operator : LM
 Sample : 200 ppb 8260 ICAL 67-177U
 Misc : soil/water
 ALS Vial : 16 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:49 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.560	0.573	-2.3	100	0.00
45 TMP Tetrachloroethene	0.431	0.452	-4.9	100	0.00
46 TMP Dibromochloromethane	0.429	0.490	-14.2	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	0.398	0.403	-1.3	100	0.00
48 TMP Chlorobenzene	1.148	1.171	-2.0	100	0.00
49 TMP Ethylbenzene	1.845	1.886	-2.2	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.426	0.449	-5.4	100	0.00
51 TMP m,p-Xylene	0.746	0.781	-4.7	100	0.00
52 TMP o-Xylene	0.741	0.764	-3.1	100	0.00
53 TMP Styrene	1.258	1.335	-6.1	100	0.00
54 TMP Isopropylbenzene	1.878	1.983	-5.6	100	0.00
55 TMP Bromoform	0.362	0.432	-19.3	100	0.00
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	0.701	0.668	4.7	100	0.00
58 TMP n-Propylbenzene	3.165	3.087	2.5	100	0.00
59 TMP Bromobenzene	0.916	0.878	4.1	100	0.00
60 TMP 1,3,5-Trimethylbenzene	2.336	2.402	-2.8	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.806	0.686	14.9	100	0.00
62 TMP 1,2,3-Trichloropropane	0.610	0.569	6.7	100	0.00
63 TMP 2-Chlorotoluene	1.890	1.846	2.3	100	0.00
64 TMP 4-Chlorotoluene	2.253	2.262	-0.4	100	0.00
65 TMP tert-Butylbenzene	2.062	2.075	-0.6	100	0.00
66 TMP 1,2,4-Trimethylbenzene	2.433	2.455	-0.9	100	0.00
67 TMP sec-Butylbenzene	2.769	2.840	-2.6	100	0.00
68 TMP p-Isopropyltoluene	2.526	2.627	-4.0	100	0.00
69 TMP 1,3-Dichlorobenzene	1.624	1.626	-0.1	100	0.00
70 TMP 1,4-Dichlorobenzene	1.675	1.676	-0.1	100	0.00
71 TMP 1,2-Dichlorobenzene	1.595	1.615	-1.3	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	0.167	0.177	-6.0	100	0.00
73 TMP 1,2,4-Trichlorobenzene	1.200	1.204	-0.3	100	0.00
74 TMP Hexachlorobutadiene	0.463	0.477	-3.0	100	0.00
75 TMP Naphthalene	2.957	3.034	-2.6	100	0.00
76 TMP 1,2,3-Trichlorobenzene	1.136	1.150	-1.2	100	0.00

(#) = Out of Range

SPCC's out = 2 CCC's out = 0

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110818.D
 Acq On : 8 Nov 2022 4:07 pm
 Operator : LM
 Sample : 200 ppb 8260 ICAL 67-177U
 Misc : soil/water
 ALS Vial : 16 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:49 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	4.78	96	87283	10.000	ppb	0.00	
39) Chlorobenzene-d5	7.44	117	73762	10.000	ppb	0.00	
56) 1,4-Dichlorobenzene-d4	9.66	152	52648	10.000	ppb	# 0.00	
System Monitoring Compounds							
3) Dibromofluoromethane	4.21	113	24218	10.093	ppb	0.00	
Spiked Amount	10.000	Range	0 - 1000	Recovery	=	100.90%	
30) 1,2-Dichloroethane-d4	4.49	102	5685	10.258	ppb	0.00	
Spiked Amount	10.000	Range	90 - 109	Recovery	=	102.60%	
35) Toluene-d8	6.14	98	89715	10.261	ppb	0.00	
Spiked Amount	10.000	Range	89 - 112	Recovery	=	102.60%	
57) 4-Bromofluorobenzene	8.54	95	35165	9.524	ppb	0.00	
Spiked Amount	10.000	Range	84 - 115	Recovery	=	95.20%	
Target Compounds							
							Qvalue
2) Ethanol	1.07	45	1486	No Calib	#		
4) Dichlorodifluoromethane	1.18	85	777451	217.453	ppb		95
5) Chloromethane	1.32	50	671998	202.726	ppb		100
6) Vinyl chloride	1.40	62	674333	214.441	ppb		99
7) Bromomethane	1.63	94	287246	196.448	ppb		96
8) Chloroethane	1.70	64	320361	194.258	ppb		97
9) Trichlorofluoromethane	1.92	101	1055586	215.310	ppb		93
10) 2-Propanol	2.99	45	84259	No Calib			
11) Acetone	2.39	58	471174	984.873	ppb		95
12) 1,1-Dichloroethene	2.32	96	563721	193.732	ppb		83
13) Hexane	3.21	57	645615	212.249	ppb		94
14) Methylene chloride	2.74	84	573092	208.160	ppb		87
15) t-Butyl alcohol (TBA)	2.87	59	446100	997.542	ppb		89
16) Methyl t-butyl ether (...)	2.99	73	1771524	208.928	ppb		96
17) trans-1,2-Dichloroethene	2.97	96	615625	199.882	ppb		82
18) Diisopropyl ether (DIPE)	3.40	45	1553941	200.364	ppb		94
19) 1,1-Dichloroethane	3.32	63	945706	202.231	ppb		99
20) Ethyl t-butyl ether (E...)	3.70	87	743659	200.482	ppb		85
21) 2,2-Dichloropropane	3.81	77	541544	206.397	ppb		97
22) cis-1,2-Dichloroethene	3.81	96	656814	196.997	ppb	#	82
23) Chloroform	4.08	83	1018623	201.234	ppb		99
24) 2-Butanone (MEK)	3.83	43	1865320	1148.351	ppb		95
25) t-Amyl methyl ether (T...)	4.65	73	1722363	204.781	ppb		99
26) 1,2-Dichloroethane (EDC)	4.56	62	765559	200.173	ppb		94
27) 1,1,1-Trichloroethane	4.23	97	932731	200.724	ppb		94
28) 1,1-Dichloropropene	4.37	75	799441	204.390	ppb		90
29) Carbon tetrachloride	4.37	117	881073	210.628	ppb		93
31) Benzene	4.54	78	2269280	202.231	ppb		95
32) Trichloroethene	5.09	95	707067	217.251	ppb	#	78
33) 1,2-Dichloropropane	5.28	63	515659	207.720	ppb		96
34) Bromodichloromethane	5.51	83	796199	211.316	ppb		97
36) Dibromomethane	5.37	93	383541	203.691	ppb		85

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110818.D
 Acq On : 8 Nov 2022 4:07 pm
 Operator : LM
 Sample : 200 ppb 8260 ICAL 67-177U
 Misc : soil/water
 ALS Vial : 16 Sample Multiplier: 1
 InstName : GCMS4

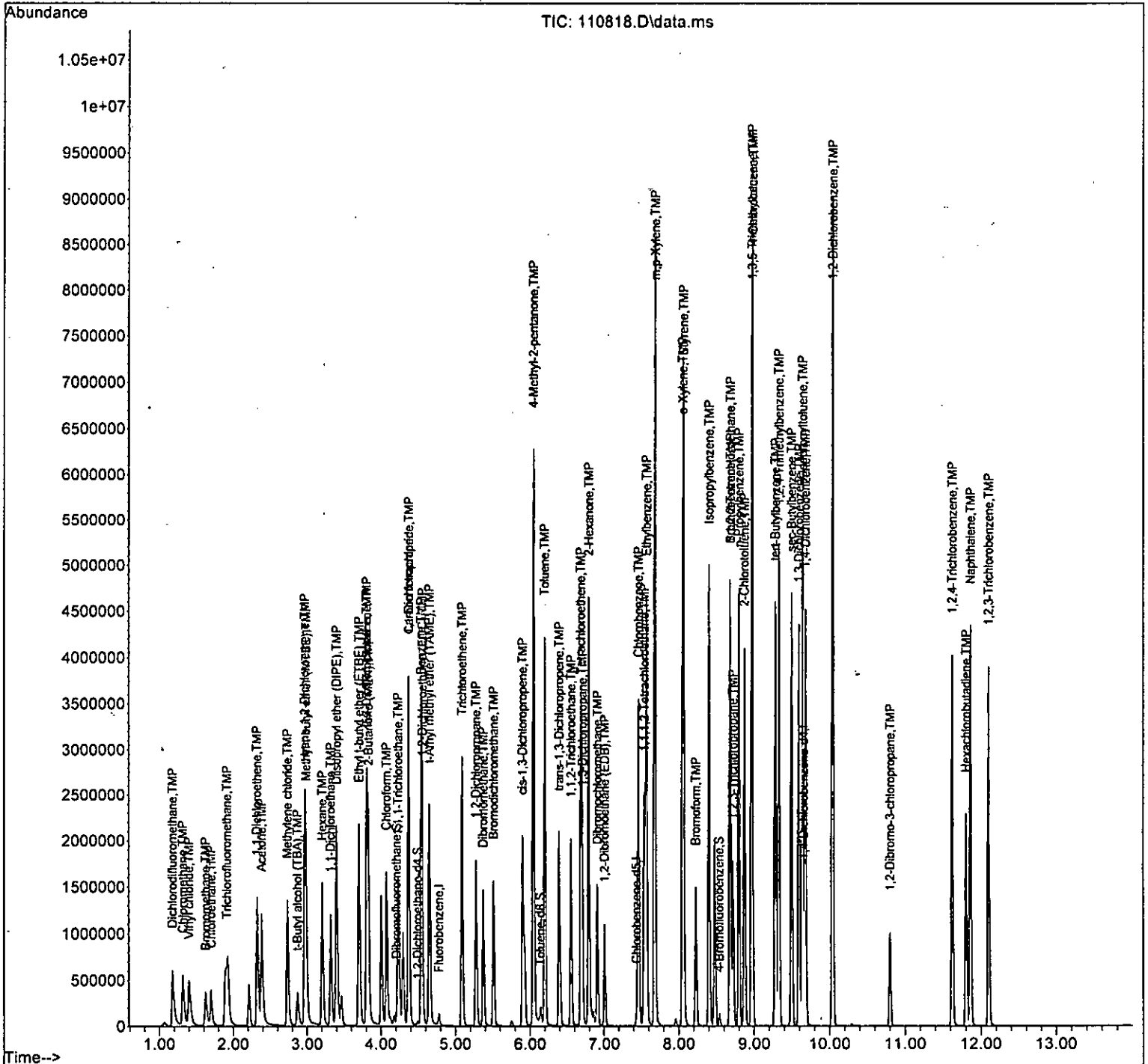
Quant Time: Nov 08 16:47:49 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	6.05	85	706333	1052.435	ppb	# 76
38) cis-1,3-Dichloropropene	5.90	75	916228	208.191	ppb	95
40) Toluene	6.20	92	1477659	207.013	ppb	98
41) trans-1,3-Dichloropropene	6.39	75	845669	207.365	ppb	96
42) 1,1,2-Trichloroethane	6.55	83	433868	200.690	ppb	89
43) 2-Hexanone	6.79	43	2376138	1005.324	ppb	95
44) 1,3-Dichloropropane	6.71	76	844988	204.490	ppb	100
45) Tetrachloroethene	6.69	164	666496	209.724	ppb	99
46) Dibromochloromethane	6.91	129	722578	197.087	ppb	98
47) 1,2-Dibromoethane (EDB)	7.01	107	594533	202.415	ppb	96
48) Chlorobenzene	7.46	112	1727644	204.009	ppb	89
49) Ethylbenzene	7.57	91	2781599	204.372	ppb	94
50) 1,1,1,2-Tetrachloroethane	7.54	131	662104	210.932	ppb	95
51) m,p-Xylene	7.68	106	2303507	418.652	ppb	87
52) o-Xylene	8.05	106	1126763	206.094	ppb	89
53) Styrene	8.06	104	1969842	212.285	ppb	91
54) Isopropylbenzene	8.40	105	2924753	211.135	ppb	94
55) Bromoform	8.23	173	637920	195.055	ppb	97
58) n-Propylbenzene	8.80	91	3250023	195.029	ppb	92
59) Bromobenzene	8.68	156	924648	191.770	ppb	# 80
60) 1,3,5-Trimethylbenzene	8.97	105	2529216	205.629	ppb	87
61) 1,1,2,2-Tetrachloroethane	8.68	83	722551	170.257	ppb	97
62) 1,2,3-Trichloropropane	8.72	75	599242	186.447	ppb	99
63) 2-Chlorotoluene	8.87	91	1944207	195.437	ppb	90
64) 4-Chlorotoluene	8.98	91	2381591	200.767	ppb	88
65) tert-Butylbenzene	9.28	119	2184564	201.193	ppb	88
66) 1,2,4-Trimethylbenzene	9.33	105	2585446	201.840	ppb	93
67) sec-Butylbenzene	9.49	105	2990264	205.127	ppb	94
68) p-Isopropyltoluene	9.64	119	2766512	208.060	ppb	92
69) 1,3-Dichlorobenzene	9.59	146	1712282	200.252	ppb	95
70) 1,4-Dichlorobenzene	9.68	146	1765164	200.125	ppb	95
71) 1,2-Dichlorobenzene	10.04	146	1700562	202.518	ppb	94
72) 1,2-Dibromo-3-chloropr...	10.80	75	186128	211.545	ppb	# 52
73) 1,2,4-Trichlorobenzene	11.62	180	1267343	200.549	ppb	98
74) Hexachlorobutadiene	11.81	225	502458	206.269	ppb	98
75) Naphthalene	11.86	128	3195168	205.253	ppb	99
76) 1,2,3-Trichlorobenzene	12.10	180	1211267	202.523	ppb	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110818.D
 Acq On : 8 Nov 2022 4:07 pm
 Operator : LM
 Sample : 200 ppb 8260 ICAL 67-177U
 Misc : soil/water
 ALS Vial : 16 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:49 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110820.D
 Acq On : 8 Nov 2022 4:55 pm
 Operator : LM
 Sample : 10 ppb 8260 SCV 67-155c
 Misc : soil/water
 ALS Vial : 18 Sample Multiplier: 1
 InstName : GCMS4

ACETONE ↑ IN SCV -
 CA. IF MET.

11/08/22 JCM

Quant Time: Nov 08 17:29:09 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I Fluorobenzene	10.000	10.000	0.0	97	0.00
2 TMP Ethanol	-1.000	0.000	0.0	31	0.00
3 S Dibromofluoromethane	10.000	10.210	-2.1	97	0.00
4 TMP Dichlorodifluoromethane	10.000	8.250	17.5	73	0.00
5 TMP Chloromethane	10.000	9.797	2.0	90	0.00
6 TMP Vinyl chloride	10.000	10.608	-6.1	95	0.00
7 TMP Bromomethane	10.000	12.753	-27.5#	119	0.00
8 TMP Chloroethane	10.000	10.992	-9.9	105	0.00
9 TMP Trichlorofluoromethane	10.000	10.358	-3.6	98	0.00
10 TMP 2-Propanol	-1.000	0.000	0.0	0	0.00
11 TMP Acetone	50.000	78.375	-56.8#	122	0.00
12 TMP 1,1-Dichloroethene	10.000	9.818	1.8	98	0.00
13 TMP Hexane	10.000	9.551	4.5	94	0.00
14 TMP Methylene chloride	10.000	10.123	-1.2	95	0.00
15 TMP t-Butyl alcohol (TBA)	50.000	49.286	1.4	94	0.00
16 TMP Methyl t-butyl ether (MTBE)	10.000	10.006	-0.1	95	0.00
17 TMP trans-1,2-Dichloroethene	10.000	9.949	0.5	98	0.00
18 TMP Diisopropyl ether (DIPE)	10.000	9.810	1.9	97	0.00
19 TMP 1,1-Dichloroethane	10.000	9.995	0.1	97	0.00
20 TMP Ethyl t-butyl ether (ETBE)	10.000	9.885	1.2	95	0.00
21 TMP 2,2-Dichloropropane	10.000	9.541	4.6	89	0.00
22 TMP cis-1,2-Dichloroethene	10.000	9.747	2.5	98	0.00
23 TMP Chloroform	10.000	9.943	0.6	95	0.00
24 TMP 2-Butanone (MEK)	50.000	49.352	1.3	103	0.00
25 TMP t-Amyl methyl ether (TAME)	10.000	9.937	0.6	95	0.00
26 TMP 1,2-Dichloroethane (EDC)	10.000	9.822	1.8	96	0.00
27 TMP 1,1,1-Trichloroethane	10.000	10.296	-3.0	100	0.00
28 TMP 1,1-Dichloropropene	10.000	10.019	-0.2	99	0.00
29 TMP Carbon tetrachloride	10.000	10.300	-3.0	102	0.00
30 S 1,2-Dichloroethane-d4	10.000	10.128	-1.3	97	0.00
31 TMP Benzene	10.000	9.817	1.8	97	0.00
32 TMP Trichloroethene	10.000	10.118	-1.2	103	0.00
33 TMP 1,2-Dichloropropane	10.000	9.802	2.0	94	0.00
34 TMP Bromodichloromethane	10.000	9.826	1.7	98	0.00
35 S Toluene-d8	10.000	9.871	1.3	95	0.00
36 TMP Dibromomethane	10.000	10.230	-2.3	98	0.00
37 TMP 4-Methyl-2-pentanone	50.000	47.710	4.6	94	0.00
38 TMP cis-1,3-Dichloropropene	10.000	9.927	0.7	97	0.00
39 I Chlorobenzene-d5	10.000	10.000	0.0	96	0.00
40 TMP Toluene	10.000	9.759	2.4	97	0.00
41 TMP trans-1,3-Dichloropropene	10.000	9.837	1.6	96	0.00
42 TMP 1,1,2-Trichloroethane	10.000	9.811	1.9	97	0.00
43 TMP 2-Hexanone	50.000	46.273	7.5	90	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110820.D
 Acq On : 8 Nov 2022 4:55 pm
 Operator : LM
 Sample : 10 ppb 8260 SCV 67-155c
 Misc : soil/water
 ALS Vial : 18 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 17:29:09 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	10.000	9.703	3.0	95	0.00
45 TMP Tetrachloroethene	10.000	10.117	-1.2	100	0.00
46 TMP Dibromochloromethane	10.000	10.604	-6.0	101	0.00
47 TMP 1,2-Dibromoethane (EDB)	10.000	9.976	0.2	96	0.00
48 TMP Chlorobenzene	10.000	9.898	1.0	96	0.00
49 TMP Ethylbenzene	10.000	9.767	2.3	96	0.00
50 TMP 1,1,1,2-Tetrachloroethane	10.000	10.067	-0.7	97	0.00
51 TMP m,p-Xylene	20.000	19.797	1.0	97	0.00
52 TMP o-Xylene	10.000	10.091	-0.9	99	0.00
53 TMP Styrene	10.000	9.862	1.4	95	0.00
54 TMP Isopropylbenzene	10.000	9.813	1.9	96	0.00
55 TMP Bromoform	10.000	10.758	-7.6	99	0.00
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	98	0.00
57 S 4-Bromofluorobenzene	10.000	9.630	3.7	94	0.00
58 TMP n-Propylbenzene	10.000	9.546	4.5	96	0.00
59 TMP Bromobenzene	10.000	9.994	0.1	97	0.00
60 TMP 1,3,5-Trimethylbenzene	10.000	9.647	3.5	97	0.00
61 TMP 1,1,2,2-Tetrachloroethane	10.000	9.303	7.0	91	0.00
62 TMP 1,2,3-Trichloropropane	10.000	9.648	3.5	93	0.00
63 TMP 2-Chlorotoluene	10.000	9.690	3.1	97	0.00
64 TMP 4-Chlorotoluene	10.000	9.531	4.7	95	0.00
65 TMP tert-Butylbenzene	10.000	9.740	2.6	97	0.00
66 TMP 1,2,4-Trimethylbenzene	10.000	9.596	4.0	97	0.00
67 TMP sec-Butylbenzene	10.000	9.441	5.6	95	0.00
68 TMP p-Isopropyltoluene	10.000	9.580	4.2	97	0.00
69 TMP 1,3-Dichlorobenzene	10.000	9.723	2.8	96	0.00
70 TMP 1,4-Dichlorobenzene	10.000	9.791	2.1	98	0.00
71 TMP 1,2-Dichlorobenzene	10.000	9.824	1.8	98	0.00
72 TMP 1,2-Dibromo-3-chloropropane	10.000	9.278	7.2	90	0.00
73 TMP 1,2,4-Trichlorobenzene	10.000	9.559	4.4	95	0.00
74 TMP Hexachlorobutadiene	10.000	9.649	3.5	99	0.00
75 TMP Naphthalene	10.000	9.341	6.6	91	0.00
76 TMP 1,2,3-Trichlorobenzene	10.000	9.367	6.3	92	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110820.D
 Acq On : 8 Nov 2022 4:55 pm
 Operator : LM
 Sample : 10 ppb 8260 SCV 67-155c
 Misc : soil/water
 ALS Vial : 18 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 17:29:09 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I Fluorobenzene	1.000	1.000	0.0	97	0.00
2 TMP Ethanol	0.000	0.000#	0.0	31#	0.00
3 S Dibromofluoromethane	0.275	0.281	-2.2	97	0.00
4 TMP Dichlorodifluoromethane	0.410	0.338	17.6	73	0.00
5 TMP Chloromethane	0.380	0.372	2.1	90	0.00
6 TMP Vinyl chloride	0.360	0.382	-6.1	95	0.00
7 TMP Bromomethane	0.168	0.214	-27.4#	119	0.00
8 TMP Chloroethane	0.189	0.208	-10.1	105	0.00
9 TMP Trichlorofluoromethane	0.562	0.582	-3.6	98	0.00
10 TMP 2-Propanol	0.000	0.000	0.0	0#	0.00
11 TMP Acetone	0.037	0.042	-13.5	122	0.00
12 TMP 1,1-Dichloroethene	0.333	0.327	1.8	98	0.00
13 TMP Hexane	0.348	0.333	4.3	94	0.00
14 TMP Methylene chloride	0.369	0.367	0.5	95	0.00
15 TMP t-Butyl alcohol (TBA)	0.051	0.051	0.0	94	0.00
16 TMP Methyl t-butyl ether (MTBE)	0.971	0.972	-0.1	95	0.00
17 TMP trans-1,2-Dichloroethene	0.353	0.351	0.6	98	0.00
18 TMP Diisopropyl ether (DIPE)	0.889	0.872	1.9	97	0.00
19 TMP 1,1-Dichloroethane	0.536	0.536	0.0	97	0.00
20 TMP Ethyl t-butyl ether (ETBE)	0.425	0.420	1.2	95	0.00
21 TMP 2,2-Dichloropropane	0.352	0.330	6.2	89	0.00
22 TMP cis-1,2-Dichloroethene	0.382	0.372	2.6	98	0.00
23 TMP Chloroform	0.583	0.577	1.0	95	0.00
24 TMP 2-Butanone (MEK)	0.186	0.184	1.1	103	0.00
25 TMP t-Amyl methyl ether (TAME)	0.964	0.958	0.6	95	0.00
26 TMP 1,2-Dichloroethane (EDC)	0.438	0.430	1.8	96	0.00
27 TMP 1,1,1-Trichloroethane	0.532	0.548	-3.0	100	0.00
28 TMP 1,1-Dichloropropene	0.448	0.449	-0.2	99	0.00
29 TMP Carbon tetrachloride	0.479	0.494	-3.1	102	0.00
30 S 1,2-Dichloroethane-d4	0.063	0.064	-1.6	97	0.00
31 TMP Benzene	1.286	1.262	1.9	97	0.00
32 TMP Trichloroethene	0.373	0.377	-1.1	103	0.00
33 TMP 1,2-Dichloropropane	0.284	0.279	1.8	94	0.00
34 TMP Bromodichloromethane	0.432	0.424	1.9	98	0.00
35 S Toluene-d8	1.002	0.989	1.3	95	0.00
36 TMP Dibromomethane	0.216	0.221	-2.3	98	0.00
37 TMP 4-Methyl-2-pentanone	0.077	0.073	5.2	94	0.00
38 TMP cis-1,3-Dichloropropene	0.504	0.501	0.6	97	0.00
39 I Chlorobenzene-d5	1.000	1.000	0.0	96	0.00
40 TMP Toluene	0.968	0.944	2.5	97	0.00
41 TMP trans-1,3-Dichloropropene	0.553	0.544	1.6	96	0.00
42 TMP 1,1,2-Trichloroethane	0.293	0.288	1.7	97	0.00
43 TMP 2-Hexanone	0.320	0.297	7.2	90	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110820.D
 Acq On : 8 Nov 2022 4:55 pm
 Operator : LM
 Sample : 10 ppb 8260 SCV 67-155c
 Misc : soil/water
 ALS Vial : 18 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 17:29:09 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.560	0.544	2.9	95	0.00
45 TMP Tetrachloroethene	0.431	0.436	-1.2	100	0.00
46 TMP Dibromochloromethane	0.429	0.448	-4.4	101	0.00
47 TMP 1,2-Dibromoethane (EDB)	0.398	0.397	0.3	96	0.00
48 TMP Chlorobenzene	1.148	1.136	1.0	96	0.00
49 TMP Ethylbenzene	1.845	1.802	2.3	96	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.426	0.428	-0.5	97	0.00
51 TMP m,p-Xylene	0.746	0.738	1.1	97	0.00
52 TMP o-Xylene	0.741	0.748	-0.9	99	0.00
53 TMP Styrene	1.258	1.241	1.4	95	0.00
54 TMP Isopropylbenzene	1.878	1.843	1.9	96	0.00
55 TMP Bromoform	0.362	0.369	-1.9	99	0.00
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	98	0.00
57 S 4-Bromofluorobenzene	0.701	0.675	3.7	94	0.00
58 TMP n-Propylbenzene	3.165	3.021	4.5	96	0.00
59 TMP Bromobenzene	0.916	0.915	0.1	97	0.00
60 TMP 1,3,5-Trimethylbenzene	2.336	2.254	3.5	97	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.806	0.750	6.9	91	0.00
62 TMP 1,2,3-Trichloropropane	0.610	0.589	3.4	93	0.00
63 TMP 2-Chlorotoluene	1.890	1.831	3.1	97	0.00
64 TMP 4-Chlorotoluene	2.253	2.148	4.7	95	0.00
65 TMP tert-Butylbenzene	2.062	2.009	2.6	97	0.00
66 TMP 1,2,4-Trimethylbenzene	2.433	2.335	4.0	97	0.00
67 TMP sec-Butylbenzene	2.769	2.614	5.6	95	0.00
68 TMP p-Isopropyltoluene	2.526	2.419	4.2	97	0.00
69 TMP 1,3-Dichlorobenzene	1.624	1.579	2.8	96	0.00
70 TMP 1,4-Dichlorobenzene	1.675	1.640	2.1	98	0.00
71 TMP 1,2-Dichlorobenzene	1.595	1.567	1.8	98	0.00
72 TMP 1,2-Dibromo-3-chloropropane	0.167	0.155	7.2	90	0.00
73 TMP 1,2,4-Trichlorobenzene	1.200	1.147	4.4	95	0.00
74 TMP Hexachlorobutadiene	0.463	0.446	3.7	99	0.00
75 TMP Naphthalene	2.957	2.762	6.6	91	0.00
76 TMP 1,2,3-Trichlorobenzene	1.136	1.064	6.3	92	0.00

(#) = Out of Range

SPCC's out = 1 CCC's out = 0

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110820.D
 Acq On : 8 Nov 2022 4:55 pm
 Operator : LM
 Sample : 10 ppb 8260 SCV 67-155c
 Misc : soil/water
 ALS Vial : 18 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 17:29:09 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	4.78	96	83510	10.000	ppb	0.00
39) Chlorobenzene-d5	7.43	117	70248	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.65	152	47550	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.21	113	23439	10.210	ppb	0.00
Spiked Amount	10.000	Range	0 - 1000	Recovery	=	102.10%
30) 1,2-Dichloroethane-d4	4.49	102	5370	10.128	ppb	0.00
Spiked Amount	10.000	Range	90 - 109	Recovery	=	101.30%
35) Toluene-d8	6.14	98	82579	9.871	ppb	0.00
Spiked Amount	10.000	Range	89 - 112	Recovery	=	98.70%
57) 4-Bromofluorobenzene	8.54	95	32112	9.630	ppb	0.00
Spiked Amount	10.000	Range	84 - 115	Recovery	=	96.30%
Target Compounds						
						Qvalue
2) Ethanol	1.07	45	1125	No Calib		
4) Dichlorodifluoromethane	1.18	85	28221	8.250	ppb	99
5) Chloromethane	1.32	50	31072	9.797	ppb	96
6) Vinyl chloride	1.40	62	31915	10.608	ppb	89
7) Bromomethane	1.63	94	17842	12.753	ppb	94
8) Chloroethane	1.70	64	17344	10.992	ppb	92
9) Trichlorofluoromethane	1.89	101	48585	10.358	ppb	94
10) 2-Propanol	2.98	45	3862	No Calib		
11) Acetone	2.38	58	17372	78.375	ppb	86
12) 1,1-Dichloroethene	2.32	96	27334	9.818	ppb	85
13) Hexane	3.21	57	27797	9.551	ppb	92
14) Methylene chloride	2.74	84	30665	10.123	ppb	86
15) t-Butyl alcohol (TBA)	2.87	59	21088	49.286	ppb	95
16) Methyl t-butyl ether (...)	2.99	73	81171	10.006	ppb	98
17) trans-1,2-Dichloroethene	2.97	96	29318	9.949	ppb	83
18) Diisopropyl ether (DIPE)	3.40	45	72793	9.810	ppb	91
19) 1,1-Dichloroethane	3.32	63	44722	9.995	ppb	95
20) Ethyl t-butyl ether (E...)	3.70	87	35083	9.885	ppb	85
21) 2,2-Dichloropropane	3.81	77	27563	9.541	ppb	94
22) cis-1,2-Dichloroethene	3.81	96	31093	9.747	ppb	# 80
23) Chloroform	4.08	83	48210	9.943	ppb	99
24) 2-Butanone (MEK)	3.83	43	76699	49.352	ppb	96
25) t-Amyl methyl ether (T...)	4.65	73	79963	9.937	ppb	98
26) 1,2-Dichloroethane (EDC)	4.56	62	35942	9.822	ppb	93
27) 1,1,1-Trichloroethane	4.23	97	45776	10.296	ppb	94
28) 1,1-Dichloropropene	4.37	75	37494	10.019	ppb	91
29) Carbon tetrachloride	4.37	117	41224	10.300	ppb	87
31) Benzene	4.54	78	105401	9.817	ppb	94
32) Trichloroethene	5.09	95	31508	10.118	ppb	# 76
33) 1,2-Dichloropropane	5.28	63	23281	9.802	ppb	97
34) Bromodichloromethane	5.51	83	35422	9.826	ppb	99
36) Dibromomethane	5.37	93	18430	10.230	ppb	# 79

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110820.D
 Acq On : 8 Nov 2022 4:55 pm
 Operator : LM
 Sample : 10 ppb 8260 SCV 67-155c
 Misc : soil/water
 ALS Vial : 18 Sample Multiplier: 1
 InstName : GCMS4

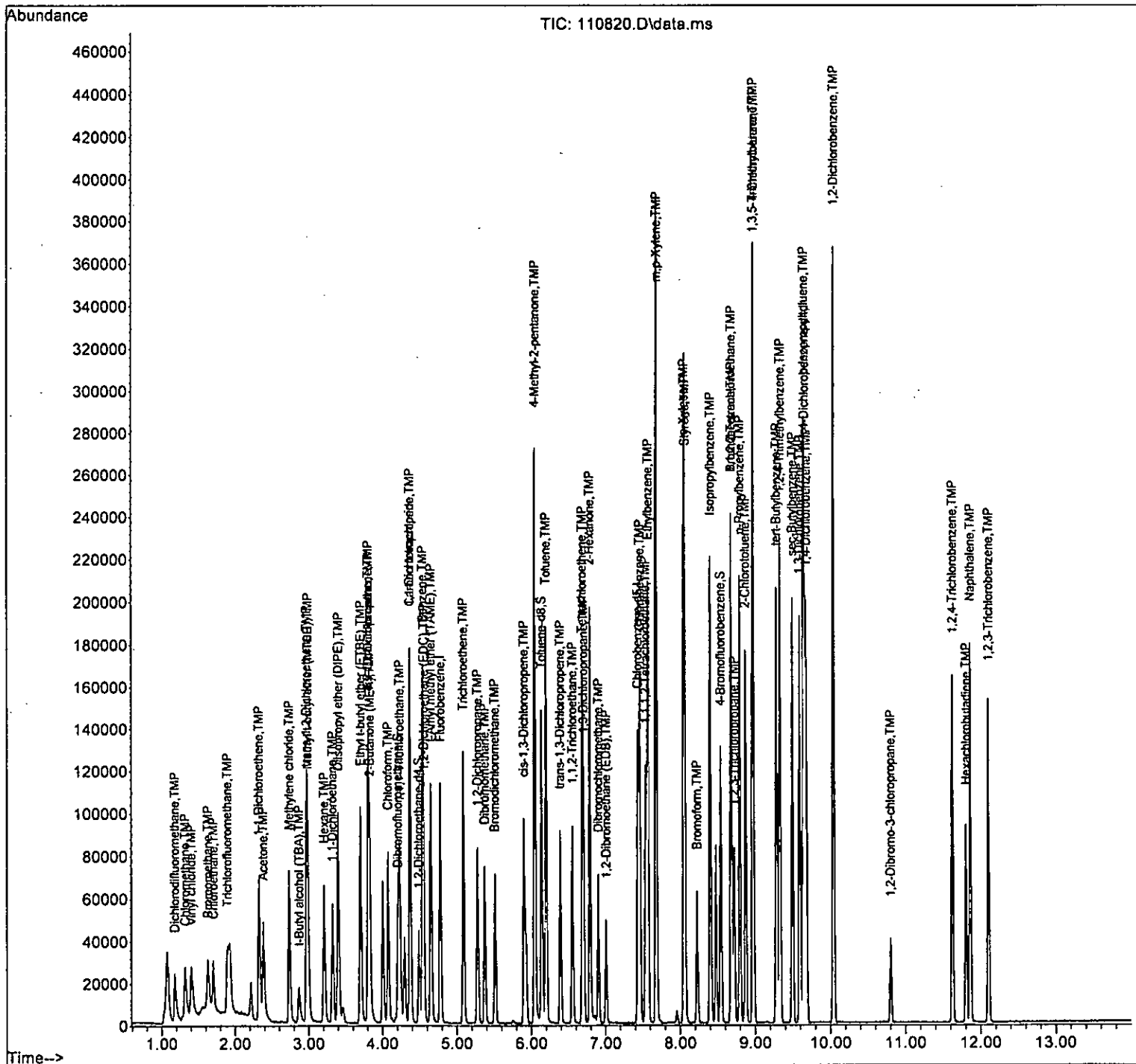
Quant Time: Nov 08 17:29:09 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	6.05	85	30636	47.710	ppb #	77
38) cis-1,3-Dichloropropene	5.90	75	41800	9.927	ppb	93
40) Toluene	6.20	92	66340	9.759	ppb	97
41) trans-1,3-Dichloropropene	6.39	75	38207	9.837	ppb	94
42) 1,1,2-Trichloroethane	6.55	83	20199	9.811	ppb	88
43) 2-Hexanone	6.79	43	104158	46.273	ppb	96
44) 1,3-Dichloropropane	6.70	76	38186	9.703	ppb	99
45) Tetrachloroethene	6.69	164	30620	10.117	ppb	98
46) Dibromochloromethane	6.91	129	31445	10.604	ppb	98
47) 1,2-Dibromoethane (EDB)	7.01	107	27905	9.976	ppb	98
48) Chlorobenzene	7.46	112	79830	9.898	ppb	88
49) Ethylbenzene	7.57	91	126600	9.767	ppb	92
50) 1,1,1,2-Tetrachloroethane	7.54	131	30094	10.067	ppb	97
51) m,p-Xylene	7.68	106	103736	19.797	ppb	84
52) o-Xylene	8.05	106	52544	10.091	ppb	88
53) Styrene	8.06	104	87148	9.862	ppb	87
54) Isopropylbenzene	8.40	105	129460	9.813	ppb	92
55) Bromoform	8.22	173	25895	10.758	ppb	99
58) n-Propylbenzene	8.79	91	143672	9.546	ppb	95
59) Bromobenzene	8.68	156	43521	9.994	ppb #	81
60) 1,3,5-Trimethylbenzene	8.97	105	107172	9.647	ppb	85
61) 1,1,2,2-Tetrachloroethane	8.68	83	35656	9.303	ppb	97
62) 1,2,3-Trichloropropane	8.72	75	28007	9.648	ppb	100
63) 2-Chlorotoluene	8.87	91	87061	9.690	ppb	88
64) 4-Chlorotoluene	8.97	91	102117	9.531	ppb	89
65) tert-Butylbenzene	9.28	119	95517	9.740	ppb	84
66) 1,2,4-Trimethylbenzene	9.33	105	111013	9.596	ppb	90
67) sec-Butylbenzene	9.49	105	124300	9.441	ppb	91
68) p-Isopropyltoluene	9.64	119	115046	9.580	ppb	90
69) 1,3-Dichlorobenzene	9.59	146	75086	9.723	ppb	95
70) 1,4-Dichlorobenzene	9.68	146	77996	9.791	ppb	95
71) 1,2-Dichlorobenzene	10.04	146	74508	9.824	ppb	92
72) 1,2-Dibromo-3-chloropr...	10.80	75	7373	9.278	ppb #	60
73) 1,2,4-Trichlorobenzene	11.62	180	54555	9.559	ppb	100
74) Hexachlorobutadiene	11.81	225	21229	9.649	ppb	95
75) Naphthalene	11.86	128	131334	9.341	ppb	99
76) 1,2,3-Trichlorobenzene	12.10	180	50597	9.367	ppb	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110820.D
 Acq On : 8 Nov 2022 4:55 pm
 Operator : LM
 Sample : 10 ppb 8260 SCV 67-155c
 Misc : soil/water
 ALS Vial : 18 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 17:29:09 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



Compound List Report GCMS13

Method Path : D:\Methods\Inst13\
 Method File : VB110522ms13.M
 Title : 8260 Purge & Trap Volatiles Dual Acquisition
 Last Update : Mon Nov 07 15:16:10 2022
 Response Via : Initial Calibration

Total Cpnds : 76

PK#	Compound Name	QIon	Exp_RT	Rel_RT	Cal	#Qual	A/H	ID
1	I Fluorobenzene	96	4.75	1.000	A	1	A	B
2	T Ethanol	45	2.33	0.491	A	1	A	B
3	S Dibromofluoromethane	113	4.17	0.880	A	0	A	B
4	T Dichlorodifluoromethane	85	1.12	0.235	A	1	A	B
5	T Chloromethane	50	1.26	0.266	A	1	A	B
6	T Vinyl chloride	-62	1.34	0.282	A	1	A	B
7	T Bromomethane	94	1.58	0.333	A	1	A	B
8	T Chloroethane	-64	1.65	0.347	A	1	A	B
9	T Trichlorofluoromethane	101	1.83	0.385	A	1	A	B
10	T 2-Propanol	45	2.33	0.491	A	1	A	B
11	T Acetone	58	2.33	0.491	Q	1	A	B
12	T 1,1-Dichloroethene	-96	2.27	0.479	A	2	A	B
13	T Hexane	57	3.16	0.665	A	2	A	B
14	T Methylene chloride	84	2.68	0.565	Q	2	A	B
15	T t-Butyl alcohol (TBA)	59	2.82	0.593	A	1	A	B
16	T Methyl t-butyl ether (MTBE)	-73	2.94	0.618	A	1	A	B
17	T trans-1,2-Dichloroethene	-96	2.92	0.616	A	2	A	B
18	T Diisopropyl ether (DIPE)	45	3.35	0.706	A	3	A	B
19	T 1,1-Dichloroethane	-63	3.27	0.690	A	2	A	B
20	T Ethyl t-butyl ether (ETBE)	87	3.66	0.771	A	3	A	B
21	T 2,2-Dichloropropane	77	3.77	0.795	Q	1	A	B
22	T cis-1,2-Dichloroethene	-96	3.77	0.794	A	2	A	B
23	T Chloroform	83	4.04	0.851	A	1	A	B
24	T 2-Butanone (MEK)	43	3.79	0.800	Q	2	A	B
25	T t-Amyl methyl ether (TAME)	73	4.61	0.972	A	2	A	B
26	T 1,2-Dichloroethane (EDC)	-62	4.53	0.954	Q	1	A	B
27	T 1,1,1-Trichloroethane	-97	4.19	0.883	A	2	A	B
28	T 1,1-Dichloropropene	75	4.33	0.913	Q	2	A	B
29	T Carbon tetrachloride	117	4.33	0.913	A	1	A	B
30	S 1,2-Dichloroethane-d4	102	4.46	0.939	A	1	A	B
31	T Benzene	-78	4.50	0.949	A	1	A	B
32	T Trichloroethene	-95	5.05	1.065	A	3	A	B
33	T 1,2-Dichloropropane	63	5.24	1.105	A	1	A	B
34	T Bromodichloromethane	83	5.48	1.155	A	2	A	B
35	S Toluene-d8	98	6.11	1.286	A	1	A	B
36	T Dibromomethane	93	5.35	1.127	A	2	A	B
37	T 4-Methyl-2-pentanone	85	6.03	1.269	A	2	A	B
38	T cis-1,3-Dichloropropene	75	5.88	1.238	A	2	A	B
39	I Chlorobenzene-d5	117	7.41	1.000	A	1	A	B
40	T Toluene	-92	6.16	0.832	Q	1	A	B
41	T trans-1,3-Dichloropropene	75	6.36	0.859	Q	2	A	B
42	T 1,1,2-Trichloroethane	-83	6.53	0.881	Q	2	A	B
43	T 2-Hexanone	43	6.76	0.913	A	3	A	B
44	T 1,3-Dichloropropane	76	6.68	0.903	A	1	A	B
45	T Tetrachloroethene	-164	6.65	0.898	Q	3	A	B
46	T Dibromochloromethane	129	6.88	0.930	Q	1	A	B
47	T 1,2-Dibromoethane (EDB)	-107	6.98	0.943	A	2	A	B
48	T Chlorobenzene	112	7.43	1.004	A	2	A	B
49	T Ethylbenzene	-91	7.54	1.018	A	1	A	B
50	T 1,1,1,2-Tetrachloroethane	131	7.51	1.014	A	2	A	B
51	T m,p-Xylene	-106	7.65	1.033	A	1	A	B
52	T o-Xylene	-106	8.02	1.083	A	1	A	B
53	T Styrene	104	8.03	1.085	A	1	A	B
54	T Isopropylbenzene	105	8.37	1.130	A	1	A	B
55	T Bromoform	173	8.20	1.107	A	2	A	B

56	I	1,4-Dichlorobenzene-d4	152	9.62	1.000	A	2	A	B
57	S	4-Bromofluorobenzene	95	8.51	0.884	A	2	A	B
58	T	n-Propylbenzene	91	8.77	0.911	A	1	A	B
59	T	Bromobenzene	156	8.65	0.899	A	2	A	B
60	T	1,3,5-Trimethylbenzene	105	8.94	0.929	A	1	A	B
61	T	1,1,2,2-Tetrachloroethane	83	8.65	0.899	Q	2	A	B
62	T	1,2,3-Trichloropropane	75	8.70	0.904	A	3	A	B
63	T	2-Chlorotoluene	91	8.84	0.918	A	1	A	B
64	T	4-Chlorotoluene	91	8.95	0.930	A	1	A	B
65	T	tert-Butylbenzene	119	9.25	0.961	A	2	A	B
66	T	1,2,4-Trimethylbenzene	105	9.30	0.966	A	1	A	B
67	T	sec-Butylbenzene	105	9.46	0.983	A	1	A	B
68	T	p-Isopropyltoluene	119	9.61	0.999	A	2	A	B
69	T	1,3-Dichlorobenzene	146	9.56	0.994	A	2	A	B
70	T	1,4-Dichlorobenzene	146	9.64	1.002	A	2	A	B
71	T	1,2-Dichlorobenzene	146	10.01	1.040	A	2	A	B
72	T	1,2-Dibromo-3-chloropropane	75	10.78	1.120	A	2	A	B
73	T	1,2,4-Trichlorobenzene	180	11.59	1.204	A	2	A	B
74	T	Hexachlorobutadiene	225	11.77	1.223	A	2	A	B
75	T	Naphthalene	128	11.84	1.230	Q	2	A	B
76	T	1,2,3-Trichlorobenzene	180	12.08	1.255	A	2	A	B

Cal A = Average L = Linear LO = Linear w/origin Q = Quad QO = Quad w/origin

#Qual = number of qualifiers

A/H = Area or Height

ID R = R.T. B = R.T. & Q Q = Qvalue L = Largest A = All

VB110522ms13.M Mon Nov 07 15:54:19 2022

Calibration Status Report GCMS13

Method Path : D:\Methods\Inst13\
 Method File : VB110522ms13.M
 Title : 8260 Purge & Trap Volatiles Dual Acquisition
 Last Update : Mon Nov 07 15:16:10 2022
 Response Via : Initial Calibration

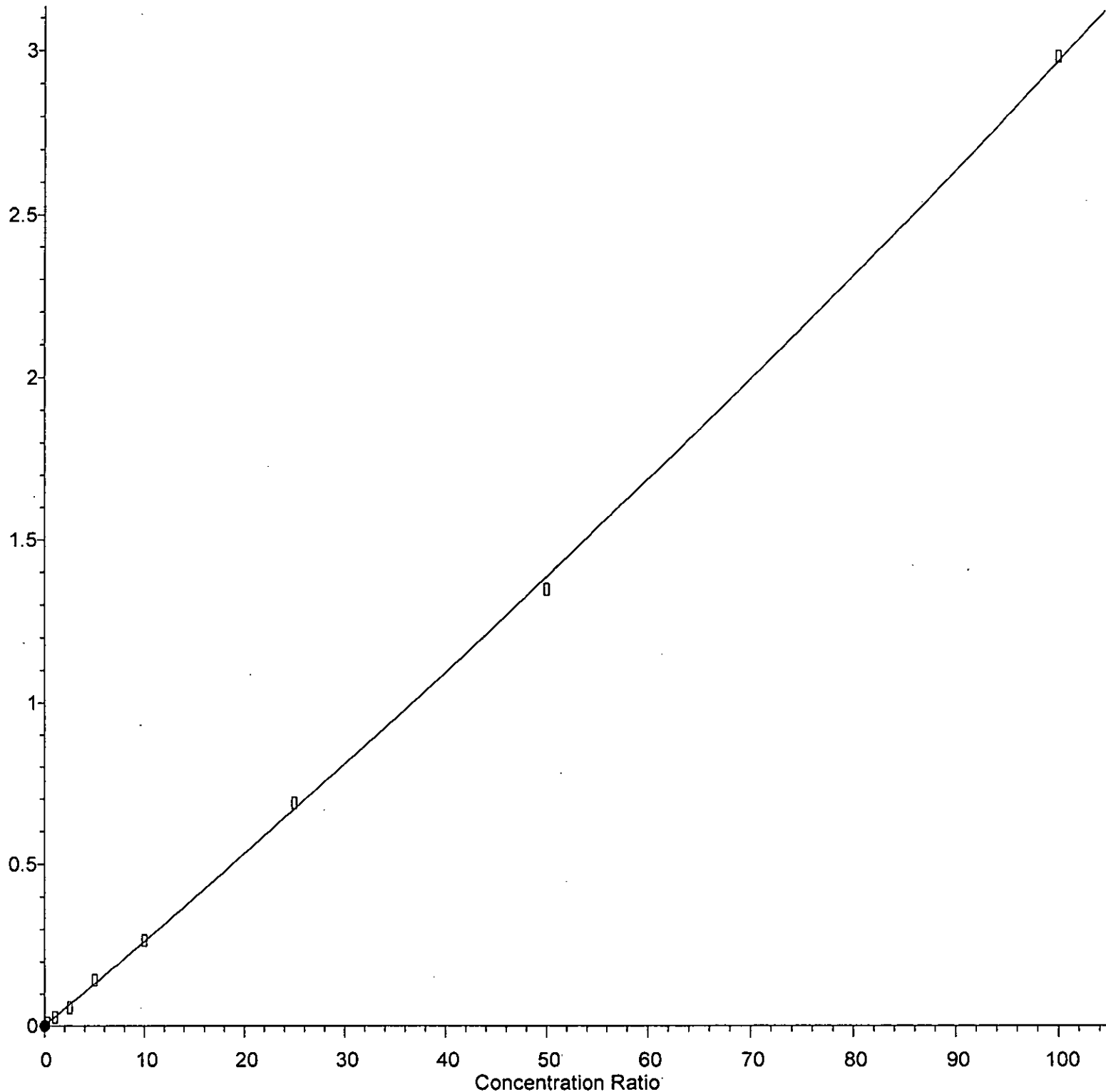
#	ID	Conc	ISTD Conc	Path\File
1	0.02	0	10	D:\Proc_GCMS13\11-05-22\110506.D
2	0.04	0	10	D:\Proc_GCMS13\11-05-22\110507.D
3	0.1	0	10	D:\Proc_GCMS13\11-05-22\110508.D
4	0.2	0	10	D:\Proc_GCMS13\11-05-22\110509.D
5	0.5	1	10	D:\Proc_GCMS13\11-05-22\110510.D
7	2	2	10	D:\Proc_GCMS13\11-05-22\110512.D
8	5	5	10	D:\Proc_GCMS13\11-05-22\110513.D
9	10	10	10	D:\Proc_GCMS13\11-05-22\110514.D
10	20	20	10	D:\Proc_GCMS13\11-05-22\110515.D
11	50	50	10	D:\Proc_GCMS13\11-05-22\110516.D
12	100	100	10	D:\Proc_GCMS13\11-05-22\110517.D

#	ID	Update Time	Quant Time	Acquisition Time
1	0.02	Nov 07 10:05 2022	Nov 07 10:01 2022	05 Nov 2022 11:34 am
2	0.04	Nov 07 10:05 2022	Nov 07 10:02 2022	05 Nov 2022 11:57 am
3	0.1	Nov 07 10:05 2022	Nov 07 10:02 2022	05 Nov 2022 12:20 pm
4	0.2	Nov 07 10:05 2022	Nov 07 10:02 2022	05 Nov 2022 12:44 pm
5	0.5	Nov 07 10:05 2022	Nov 07 10:03 2022	05 Nov 2022 01:07 pm
7	2	Nov 07 10:05 2022	Nov 07 07:41 2022	05 Nov 2022 01:53 pm
8	5	Nov 07 10:05 2022	Nov 07 08:01 2022	05 Nov 2022 02:16 pm
9	10	Nov 07 10:05 2022	Nov 07 07:18 2022	05 Nov 2022 02:39 pm
10	20	Nov 07 10:05 2022	Nov 07 07:18 2022	05 Nov 2022 03:03 pm
11	50	Nov 07 10:05 2022	Nov 07 07:44 2022	05 Nov 2022 03:26 pm
12	100	Nov 07 10:05 2022	Nov 07 07:44 2022	05 Nov 2022 03:49 pm

VB110522ms13.M Mon Nov 07 15:54:24 2022

Acetone

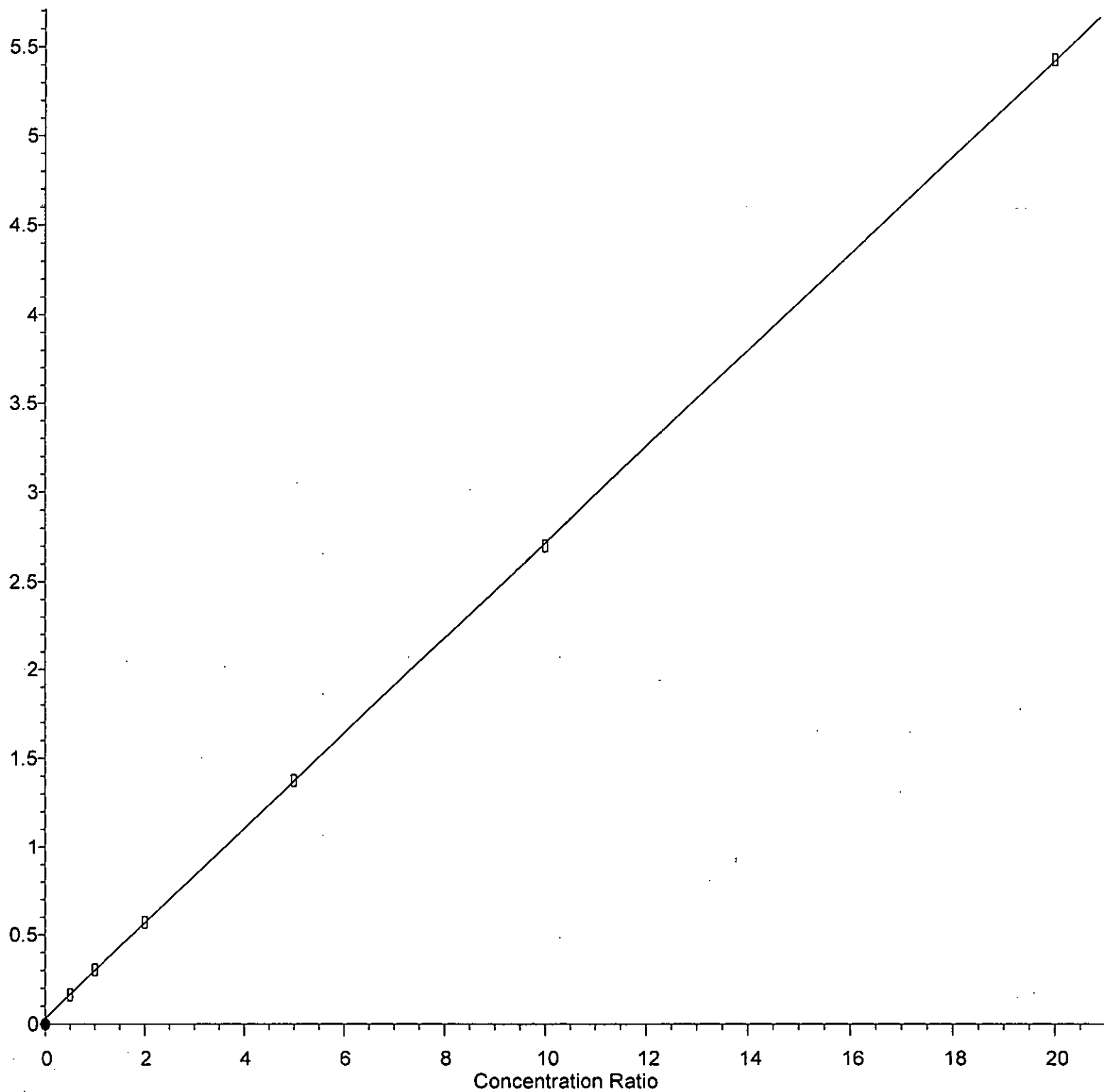
Response Ratio



$R = 4.054e-005 A^2 + 2.565e-002 A + 2.631e-003$
Coef of Det (r^2) = 0.999241 Curve Fit: Quadratic w(1/a)
Method Name: D:\Methods\Inst13\VB110522ms13.M
Calibration Table Last Updated: Mon Nov 07 15:16:10 2022

Methylene chloride

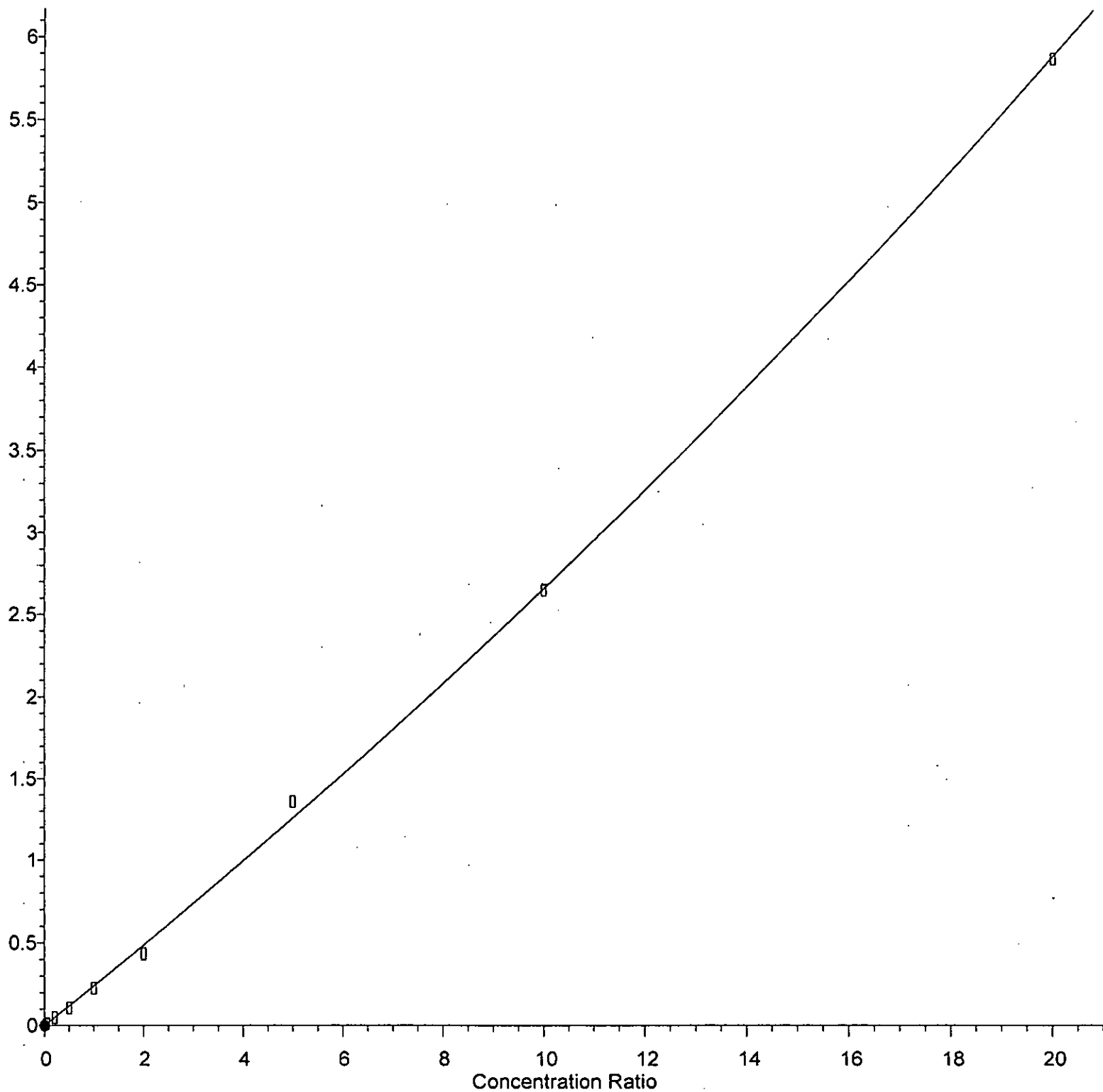
Response Ratio



$R = 1.319e-004 A^2 + 2.673e-001 A + 3.237e-002$
Coef of Det (r^2) = 0.999971 Curve Fit: Quadratic w(1/a)
Method Name: D:\Methods\Inst13\VB110522ms13.M
Calibration Table Last Updated: Mon Nov 07 15:16:10 2022

2,2-Dichloropropane

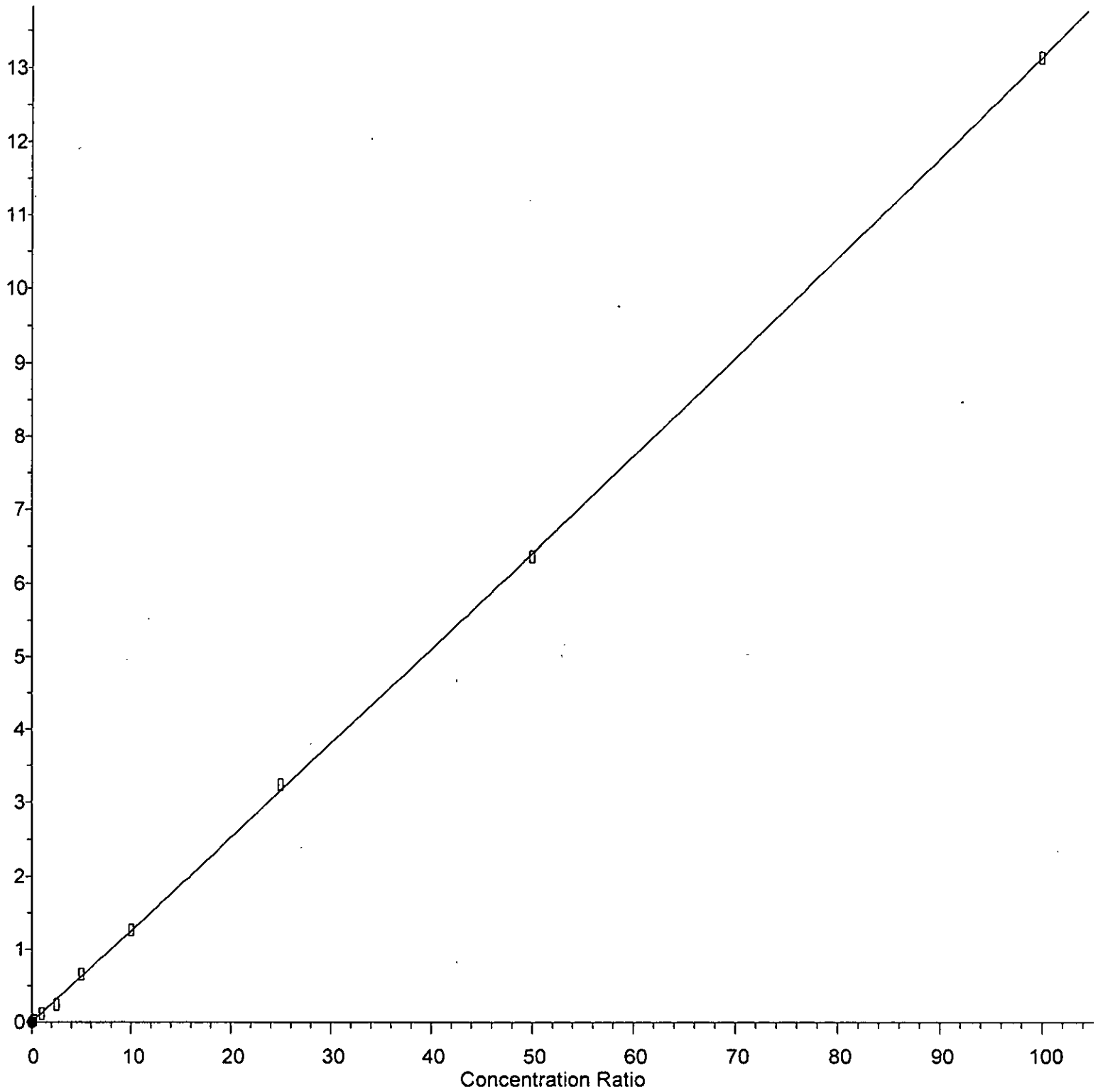
Response Ratio



$R = 2.871e-003 A^2 + 2.371e-001 A + 9.319e-004$
Coef of Det (r^2) = 0.998636 Curve Fit: Quadratic w(1/a)
Method Name: D:\Methods\Inst13\VB110522ms13.M
Calibration Table Last Updated: Mon Nov 07 15:16:10 2022

2-Butanone (MEK)

Response Ratio



$R = 7.131e-005 A^2 + 1.245e-001 A + 3.231e-003$

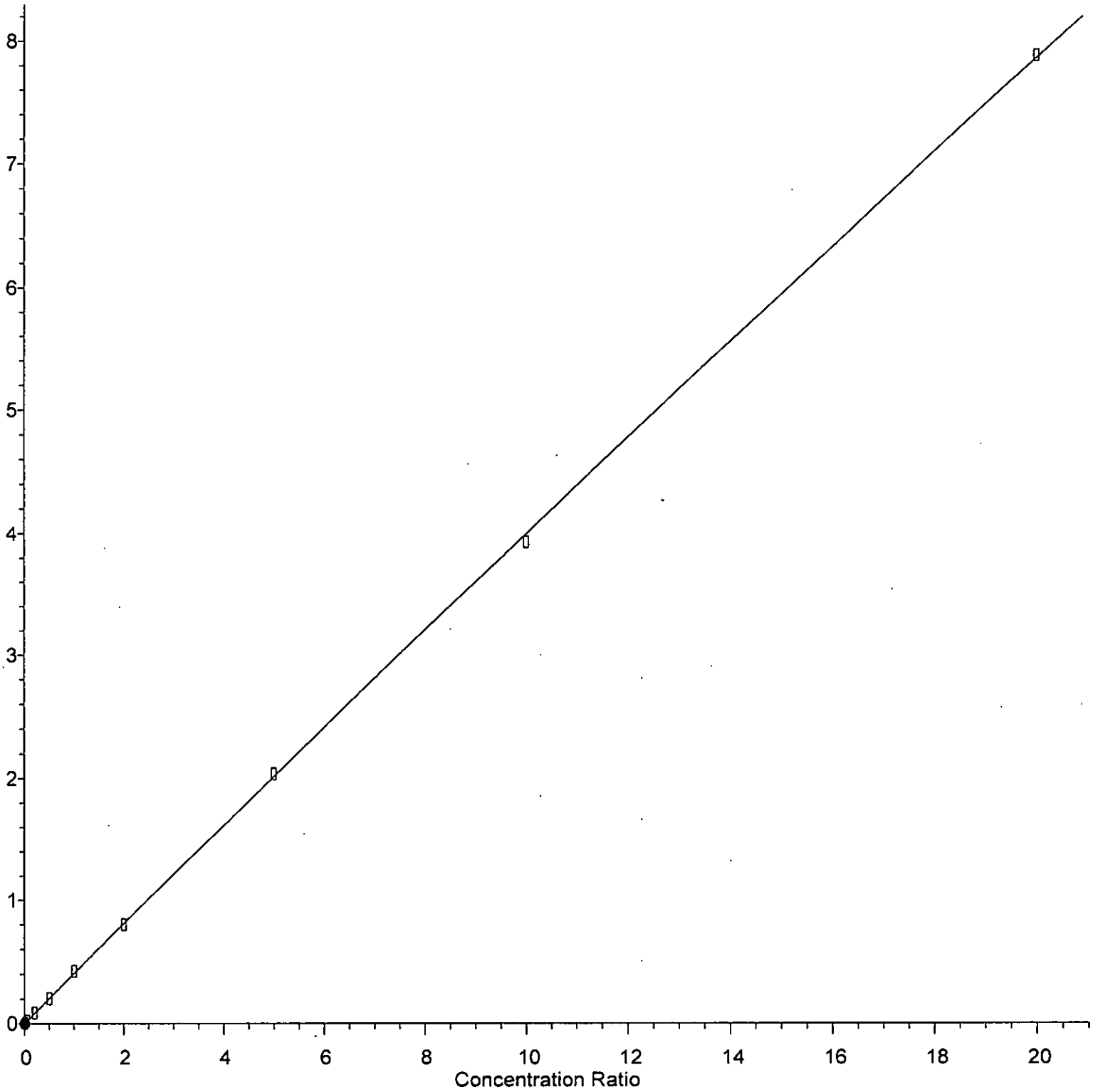
Coef of Det (r^2) = 0.999041 Curve Fit: Quadratic w(1/a)

Method Name: D:\Methods\Inst13\VB110522ms13.M

Calibration Table Last Updated: Mon Nov 07 15:16:10 2022

1,2-Dichloroethane (EDC)

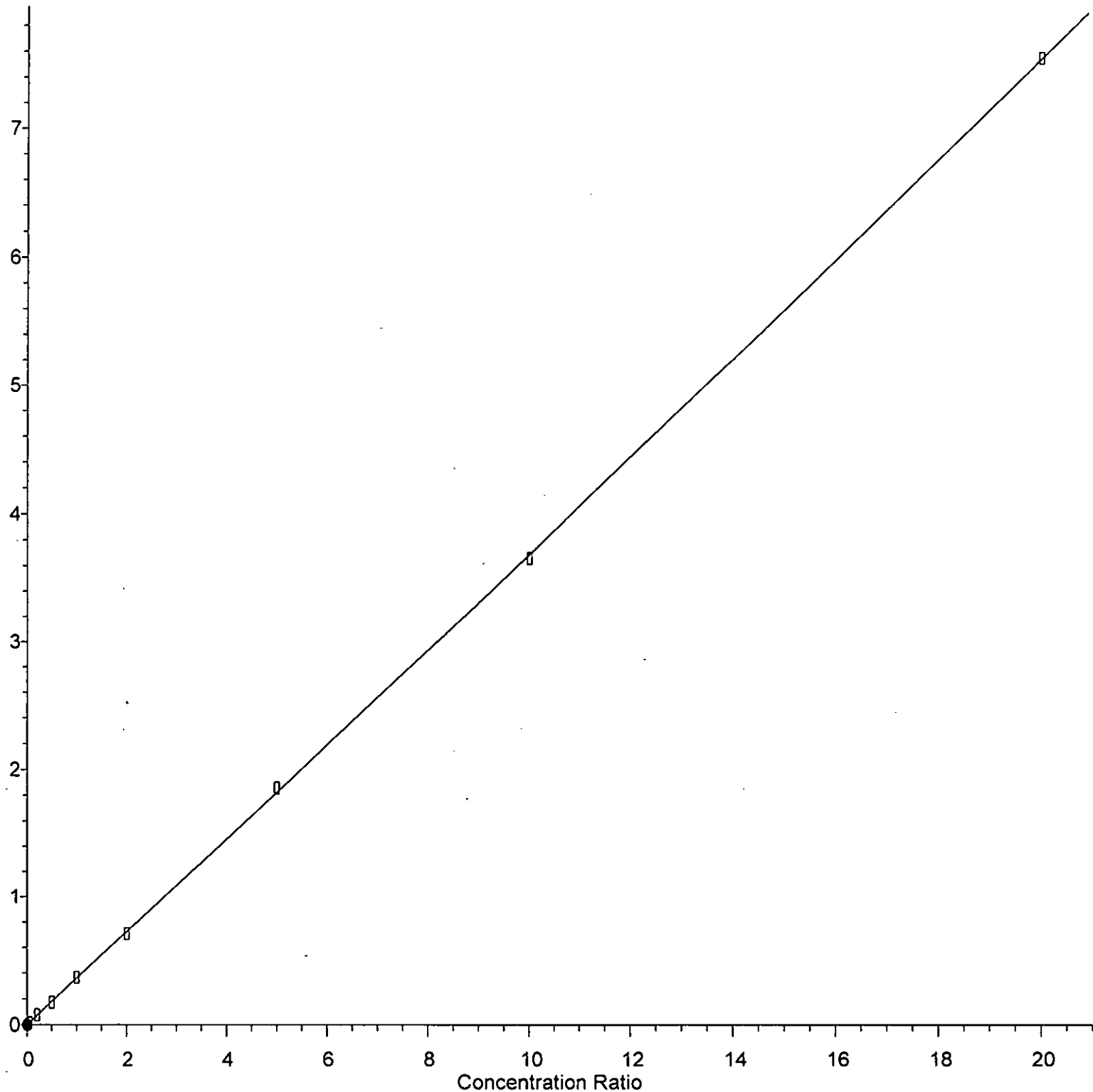
Response Ratio



$R = -5.900e-004 A^2 + 4.054e-001 A + 1.585e-003$
Coef of Det (r^2) = 0.999825 Curve Fit: Quadratic w(1/a)
Method Name: D:\Methods\Inst13\VB110522ms13.M
Calibration Table Last Updated: Mon Nov 07 15:16:10 2022

1,1-Dichloropropene

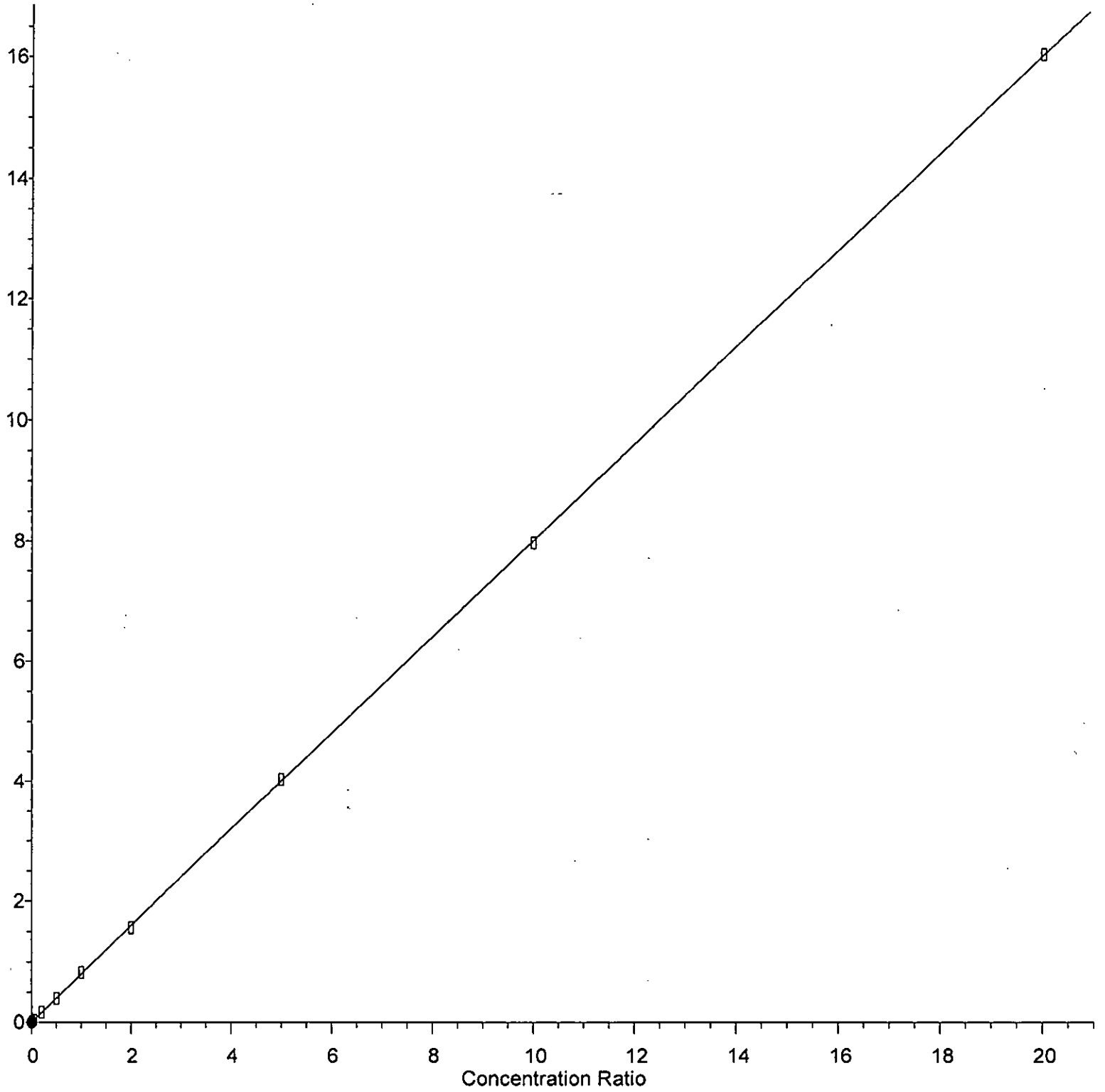
Response Ratio



$R = 8.977e-004 A^2 + 3.598e-001 A + 7.520e-004$
Coef of Det (r^2) = 0.999864 Curve Fit: Quadratic w(1/a)
Method Name: D:\Methods\Inst13\VB110522ms13.M
Calibration Table Last Updated: Mon Nov 07 15:16:10 2022

Toluene

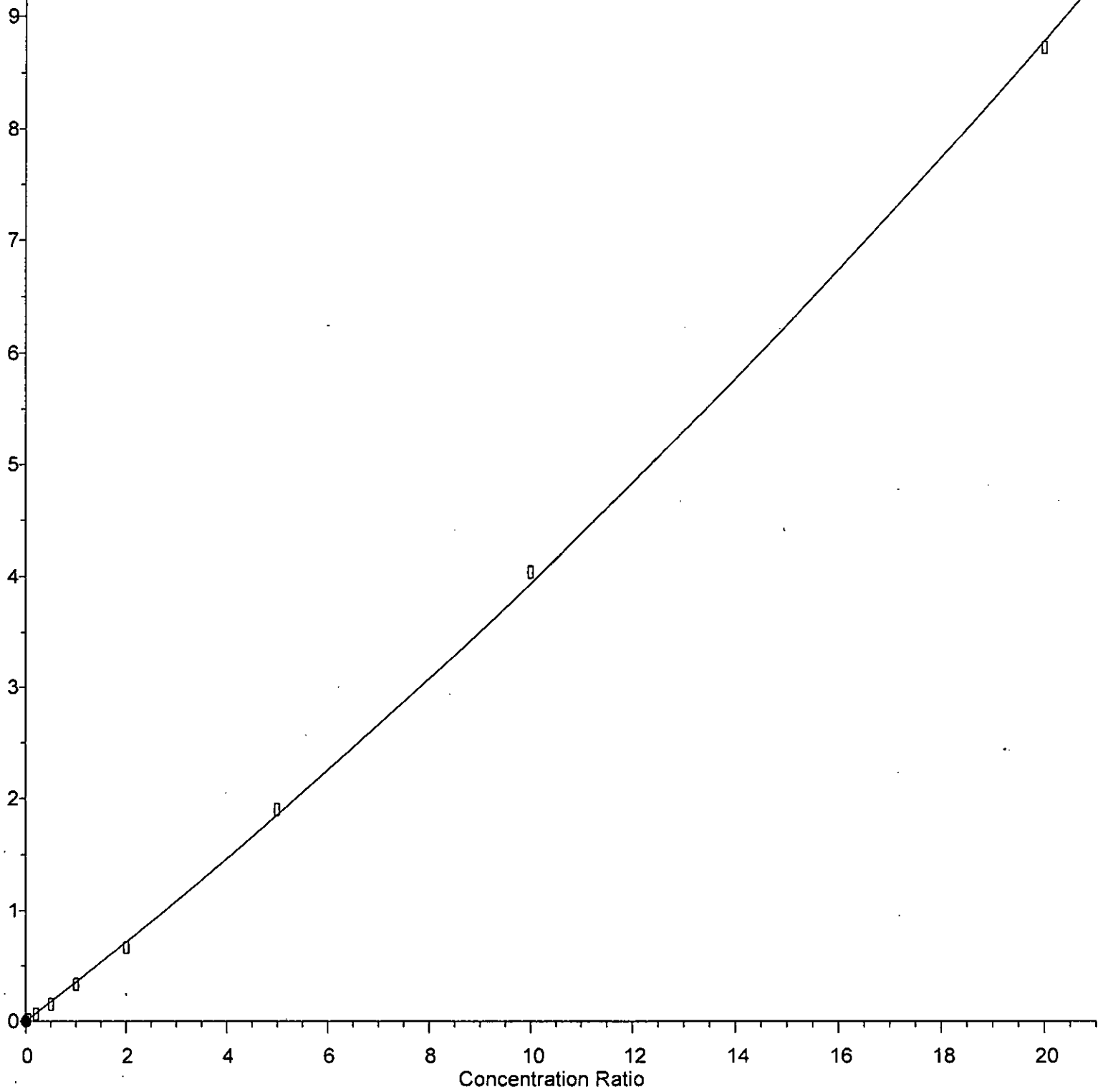
Response Ratio



$R = 1.206e-004 A^2 + 8.001e-001 A + 1.372e-003$
Coef of Det (r^2) = 0.999909 Curve Fit: Quadratic w(1/a)
Method Name: D:\Methods\Inst13\VB110522ms13.M
Calibration Table Last Updated: Mon Nov 07 15:16:10 2022

trans-1,3-Dichloropropene

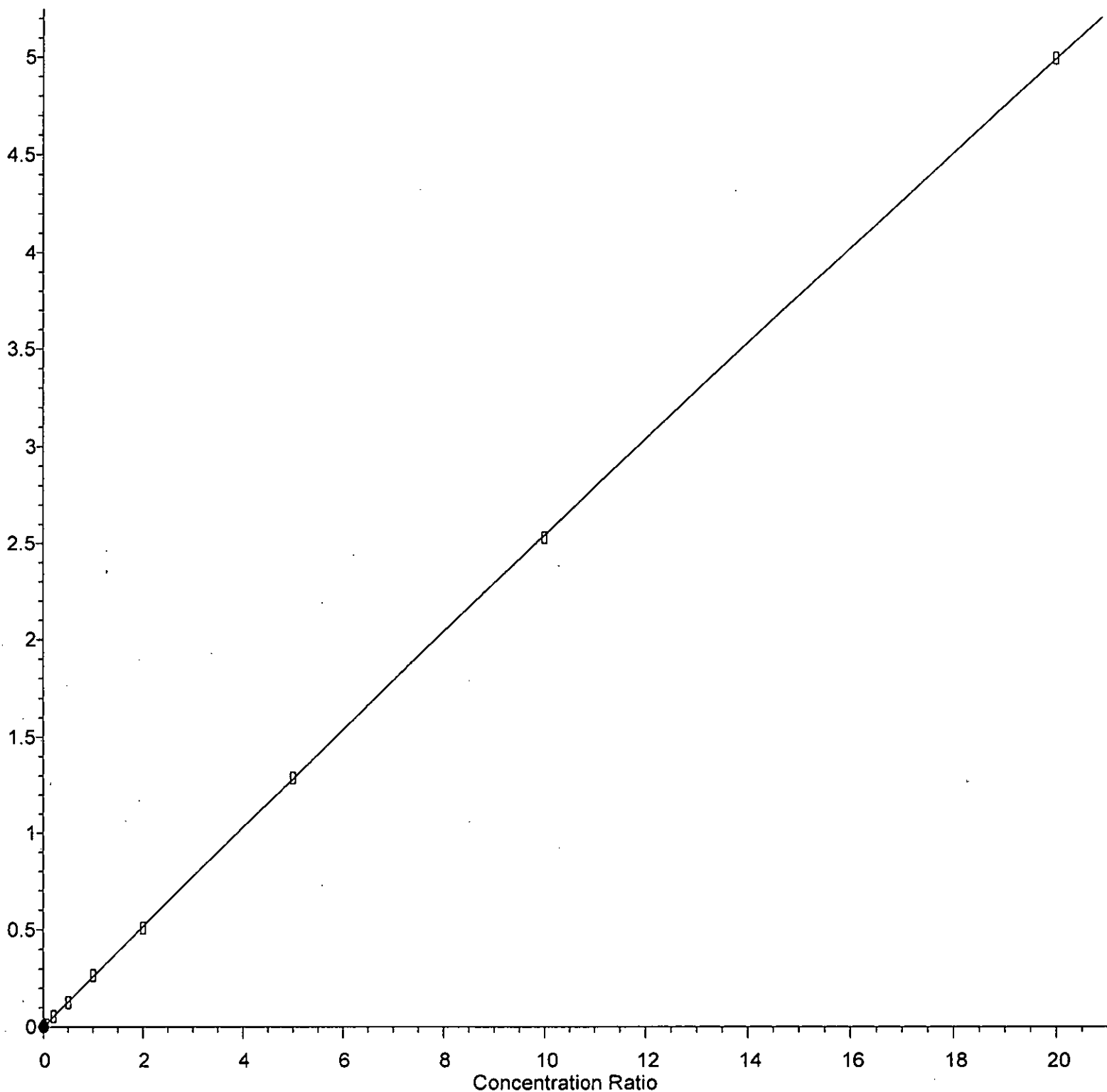
Response Ratio



$R = 4.600e-003 A^2 + 3.478e-001 A - 1.400e-004$
Coef of Det (r^2) = 0.999210 Curve Fit: Quadratic w(1/a)
Method Name: D:\Methods\Inst13\VB110522ms13.M
Calibration Table Last Updated: Mon Nov 07 15:16:10 2022

1,1,2-Trichloroethane

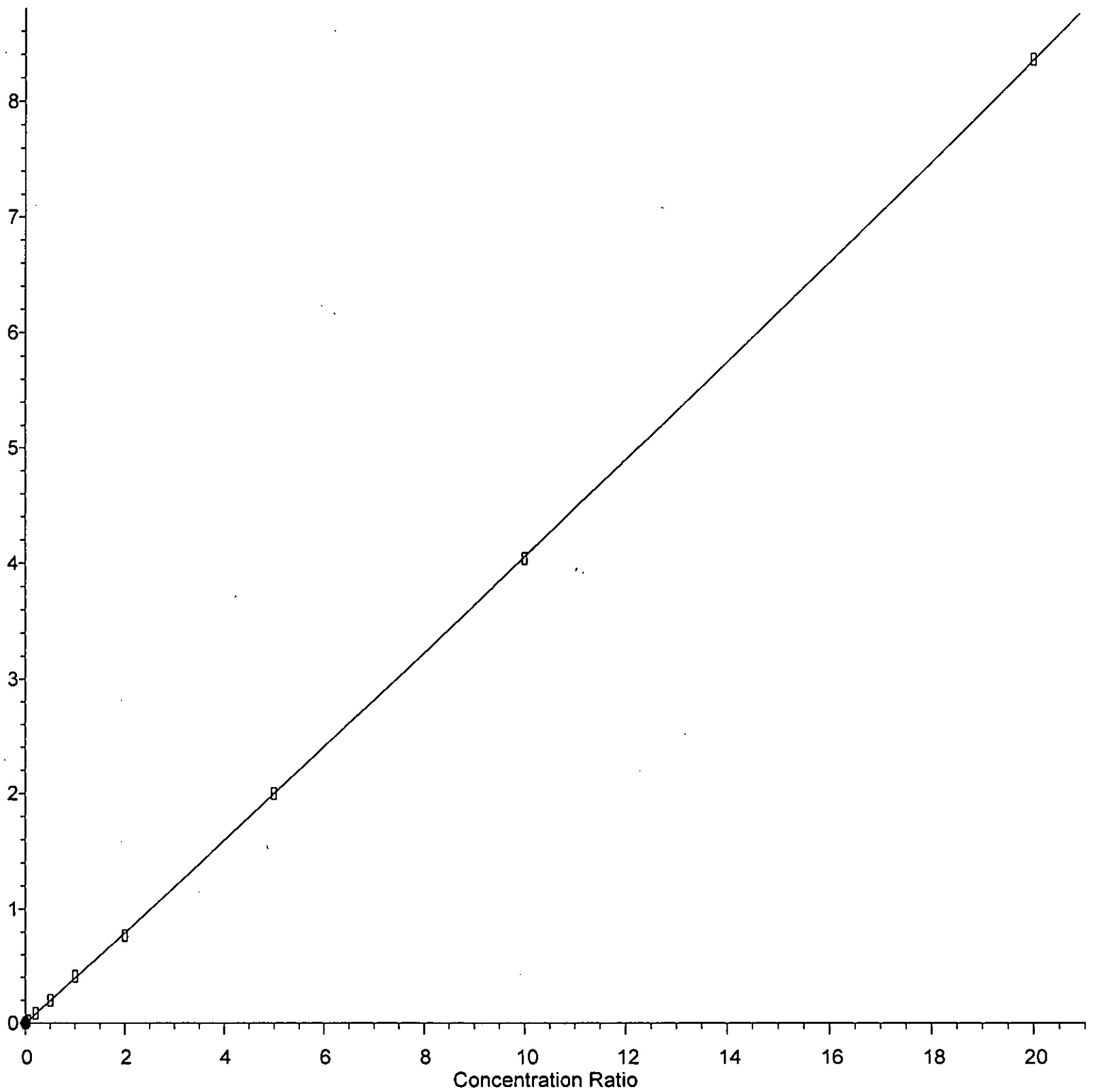
Response Ratio



$R = -4.579e-004 A^2 + 2.588e-001 A + 3.601e-004$
Coef of Det (r^2) = 0.999920 Curve Fit: Quadratic w(1/a)
Method Name: D:\Methods\Inst13\VB110522ms13.M
Calibration Table Last Updated: Mon Nov 07 15:16:10 2022

Tetrachloroethene

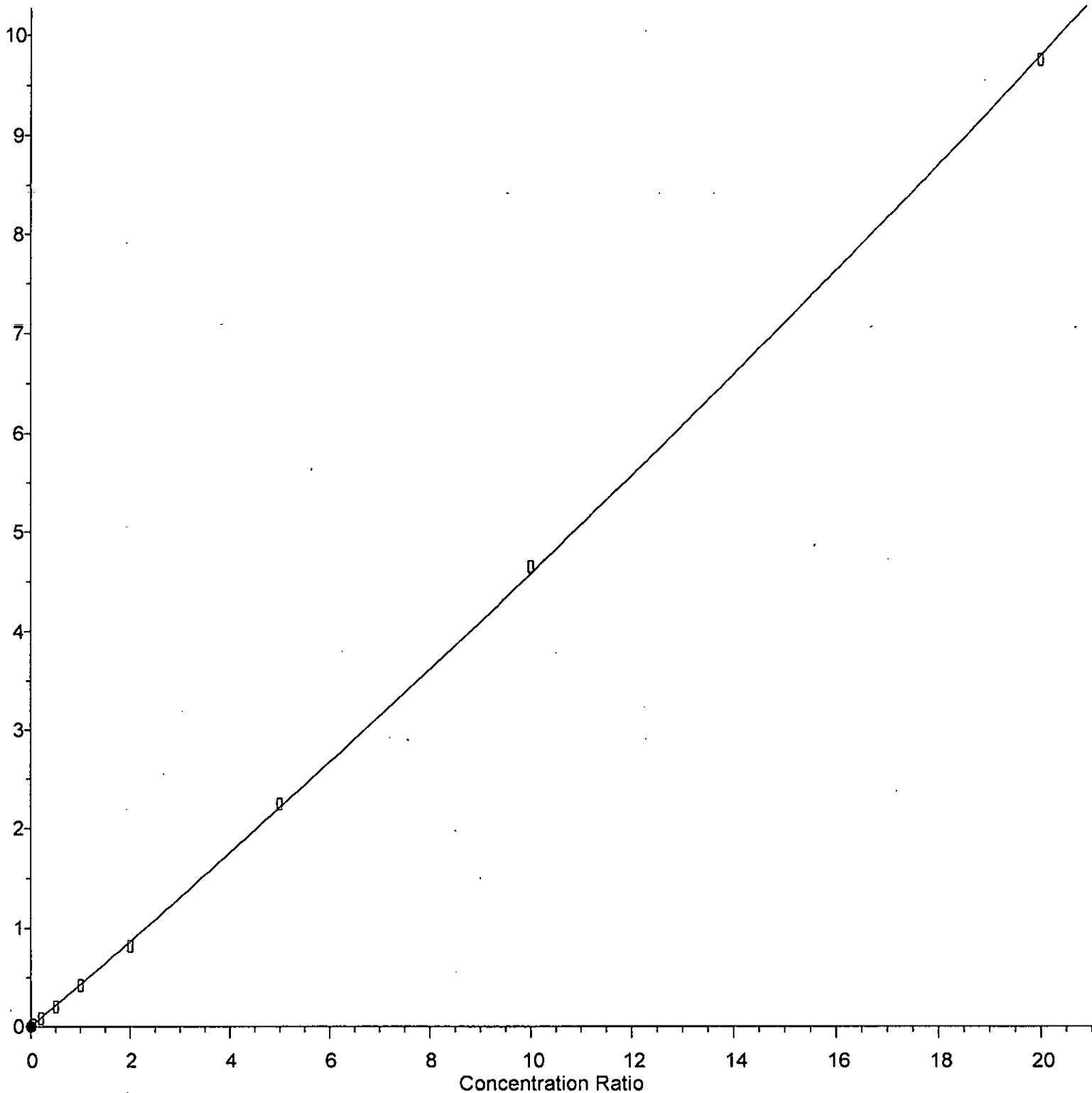
Response Ratio



$R = 1.268e-003 A^2 + 3.929e-001 A + 8.166e-004$
Coef of Det (r^2) = 0.999873 Curve Fit: Quadratic w(1/a)
Method Name: D:\Methods\Inst13\VB110522ms13.M
Calibration Table Last Updated: Mon Nov 07 15:16:10 2022

Dibromochloromethane

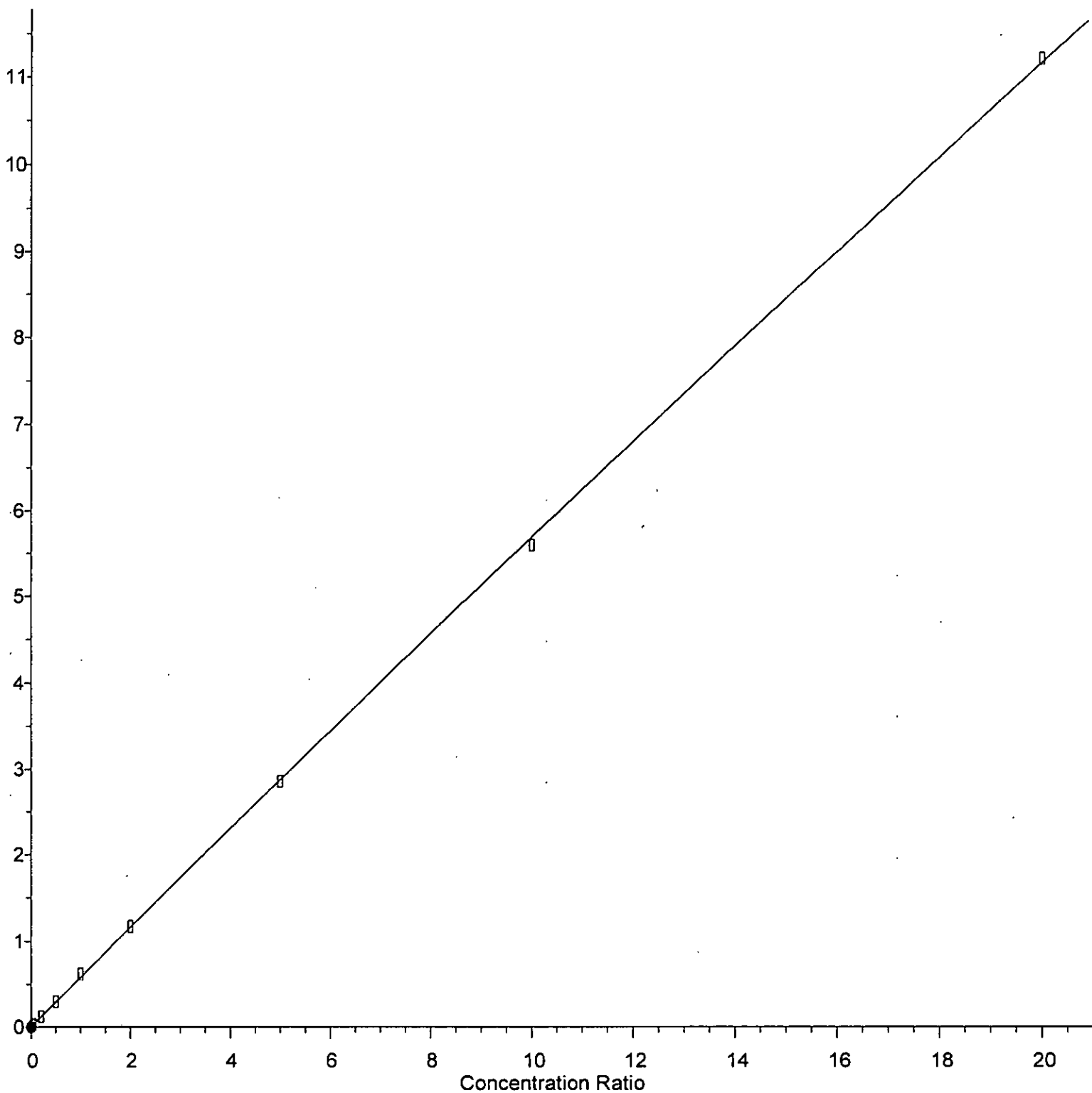
Response Ratio



$R = 3.269e-003 A^2 + 4.257e-001 A + 1.234e-003$
Coef of Det (r^2) = 0.999691 Curve Fit: Quadratic w(1/a)
Method Name: D:\Methods\Inst13\VB110522ms13.M
Calibration Table Last Updated: Mon Nov 07 15:16:10 2022

1,1,2,2-Tetrachloroethane

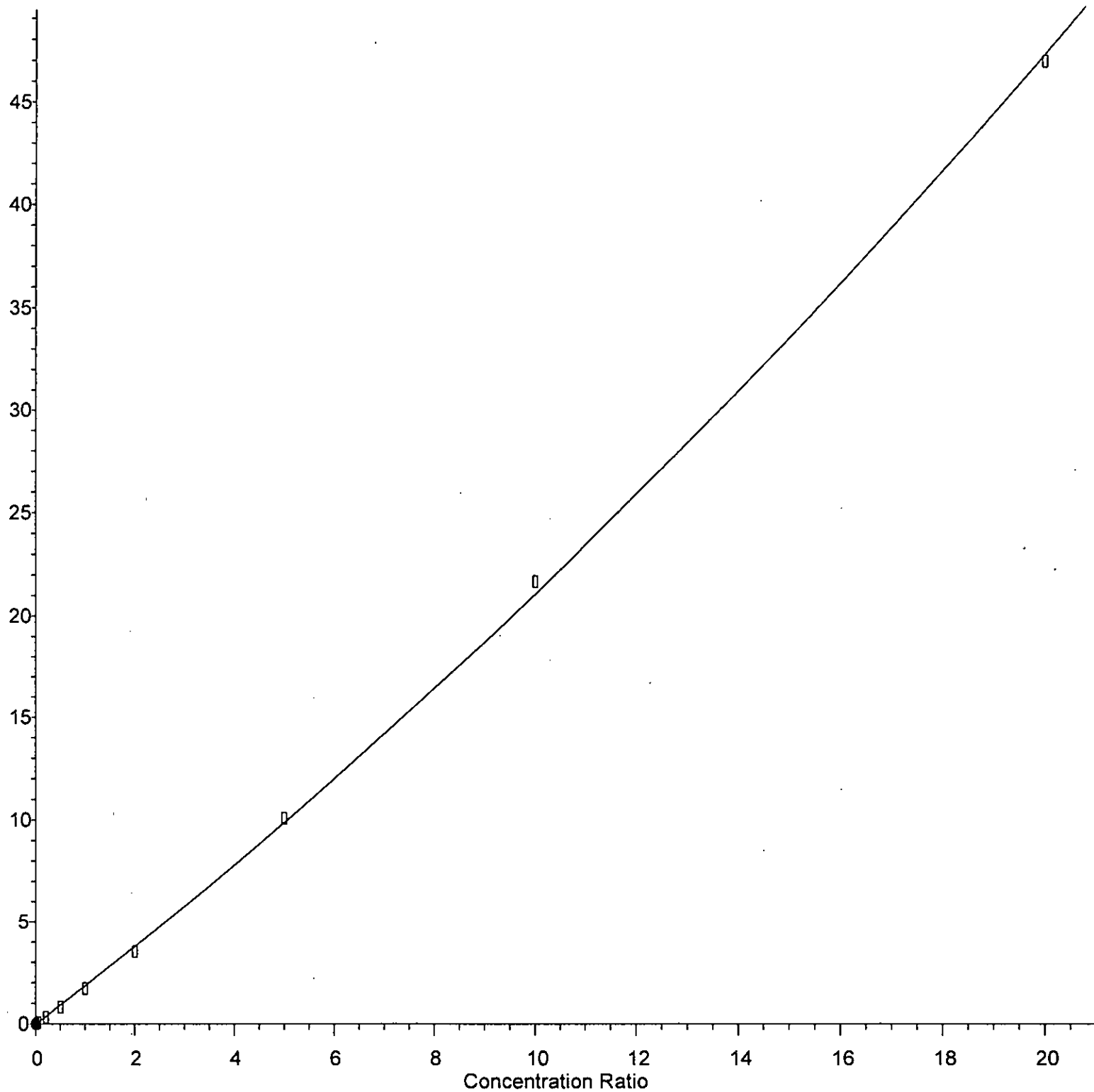
Response Ratio



$R = -1.016e-003 A^2 + 5.790e-001 A + 5.837e-003$
Coef of Det (r^2) = 0.999756 Curve Fit: Quadratic w(1/a)
Method Name: D:\Methods\Inst13\VB110522ms13.M
Calibration Table Last Updated: Mon Nov 07 15:16:10 2022

Naphthalene

Response Ratio



$R = 2.615e-002 A^2 + 1.847e+000 A - 1.442e-002$
Coef of Det (r^2) = 0.999269 Curve Fit: Quadratic w(1/a)
Method Name: D:\Methods\Inst13\VB110522ms13.M
Calibration Table Last Updated: Mon Nov 07 15:16:10 2022

GC/MS ICAL Checklist

Instrument: GC/MS 13

Sequence Date: 1.05.22 / 11.07.22 Shift # 1

Item	Initial	Date
Shift and Batch		
Initial Calibration Analyzed, Evaluated and Passed	✓ <i>WY</i>	11.07.22
2nd source passed	✓	|
Analyte retention time checked	✓	|
Tune passed	✓	|
Non-Conformance Report filled out (if needed)	NA	|

Notes: *toluene failed high in SCV 18150 ppb but*
SCV analyzed on 11.07.22 used prep vials
WY 11.07.22

Attach this sheet to raw data package.

YA 11/14/22
 Supervisor Initials and Date

GC/MS QA-QC Check Report

Tune File : D:\Proc_GCMS13\11-05-22\110503.D

Tune Time : 05 Nov 2022 10:22 am

Daily Calibration File : D:\Proc_GCMS13\11-05-22\110514.D

(DMF) (DHL) (TOL) (BFB)

104308

87057

51133

File	Sample	Surrogate Recovery %				Internal Standard Responses		
110506.D	0.02 ppb 8	101	100	99	104	110742	89451	50648
110507.D	0.04 ppb 8	95	104	99	106	111750	92506	50709
110508.D	0.1 ppb 82	102	104	100	105	109470	90583	50314
110509.D	0.2 ppb 8	101	104	97	105	108326	89660	50001
110510.D	0.5 ppb 82	101	95	96	100	111564	90038	50622
110511.D	1 ppb 8260	99	102	101	99	110201	89750	52061
110512.D	2 ppb 8260	100	99	100	98	108368	87014	51026
110513.D	5 ppb 8260	97	97	99	100	109707	88629	50120
110514.D	10 ppb 826	100	105	102	100	104308	87057	51133
110515.D	20 ppb 826	100	97	101	96	105008	89462	52775
110516.D	50 ppb 826	101	94	100	95	104359	89151	54409
110517.D	100 ppb 82	101	98	103	96	105192	89610	53646
110518.D	150 ppb 82	98	100	102	95	106741	92515	56204
110519.D	200 ppb 82	102	103	102	94	105227	91763	54540

(fails) - fails 12hr time check * - fails criteria

Created: Mon Nov 07 15:53:07 2022 GCMS13

GC/MS QA-QC Check Report

Tune File : D:\Proc_GCMS13\11-07-22\110706.D

Tune Time : 07 Nov 2022 10:34 am

Daily Calibration File : D:\Proc_GCMS13\11-07-22\110706.D

(DMF) (DHL) (TOL) (BFB)

107809 88712 52143

File Sample Surrogate Recovery % Internal Standard Responses

=====

110706.D 10 ppb 826 101 103 101 98 107809 88712 52143

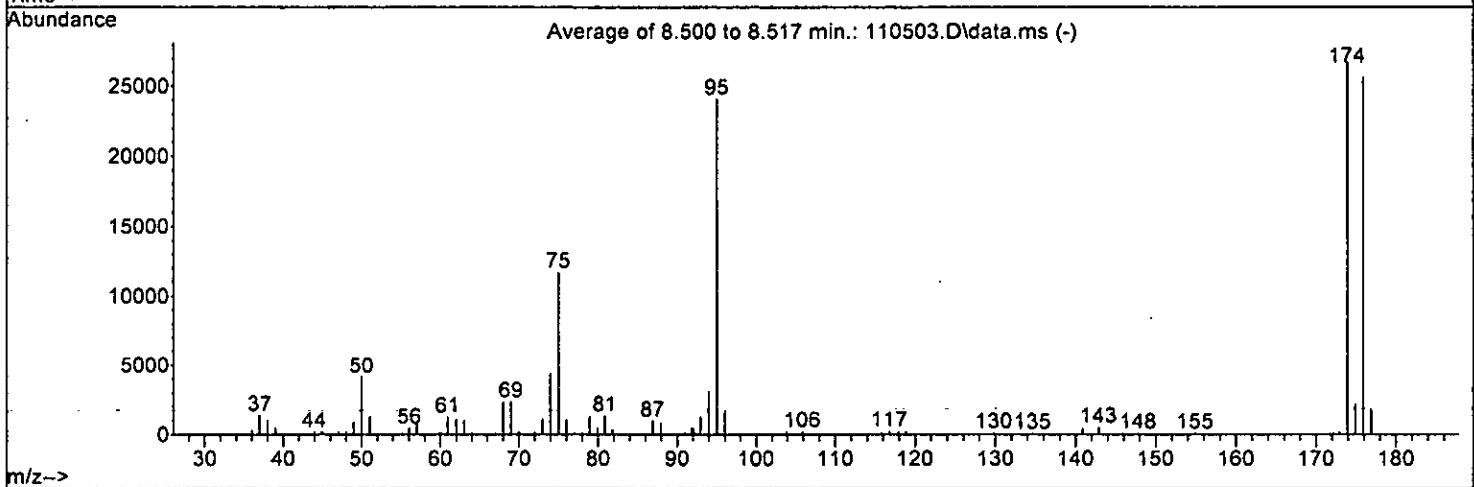
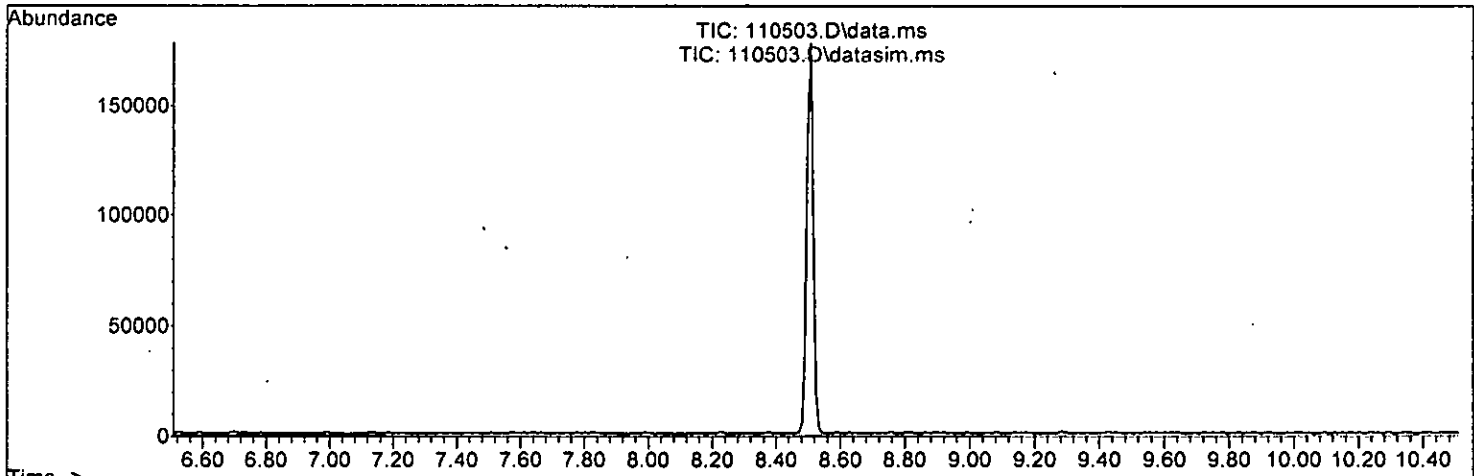
(fails) - fails 12hr time check * - fails criteria

Created: Mon Nov 07 15:51:48 2022 GCMS13

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110503.D
 Acq On : 05 Nov 2022 10:22 am
 Operator : VM
 Sample : 50 ng BFB 67-152A
 Misc : water
 ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: LSCINT.P
 Integration File signal 2: rteint2.p

Method : D:\Methods\Inst13\VB110522ms13.M
 Title : 8260 Purge & Trap Volatiles Dual Acquisition
 Last Update : Mon Nov 07 10:10:04 2022



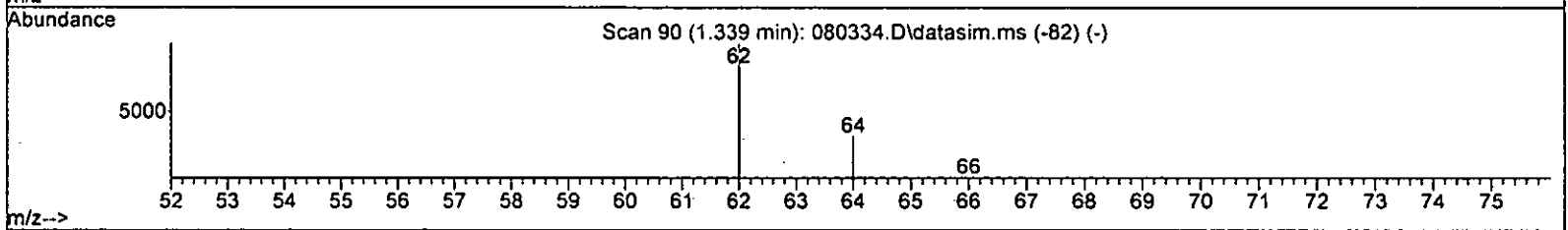
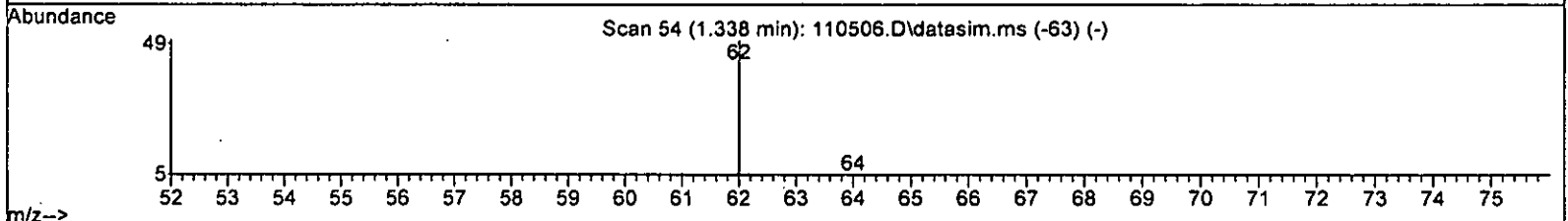
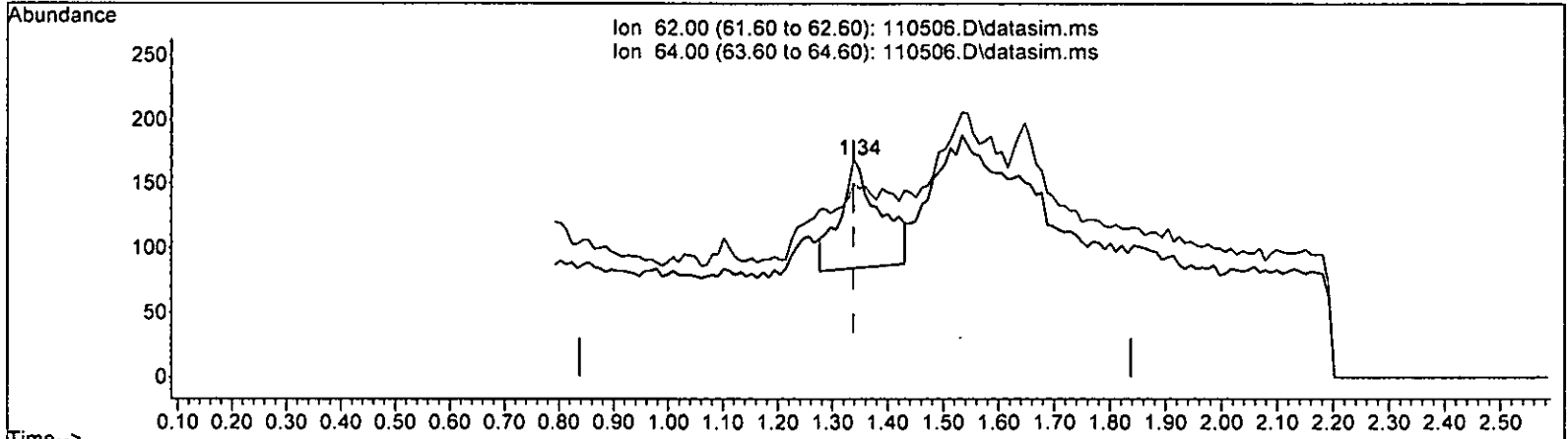
AutoFind: Scans 715, 716, 717; Background Corrected with Scan 709

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
95	174	50	200	90.0	24071	PASS
96	95	5	9	6.7	1621	PASS
173	174	0.00	2	0.6	157	PASS
174	95	50	200	111.1	26747	PASS
175	174	5	9	8.0	2142	PASS
176	174	95	105	95.8	25611	PASS
177	176	5	10	6.9	1773	PASS

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110506.D
 Acq On : 05 Nov 2022 11:34 am
 Operator : VM
 Sample : 0.02 ppb 8260 ICAL 67-177F
 Misc : soil/water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:09 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110506.D\data.ms

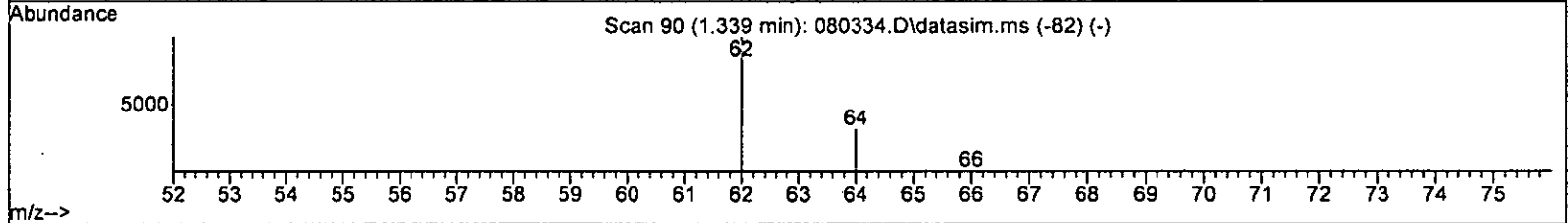
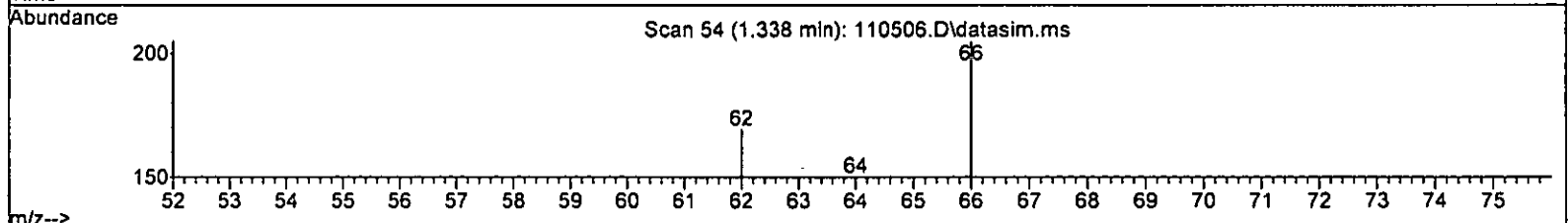
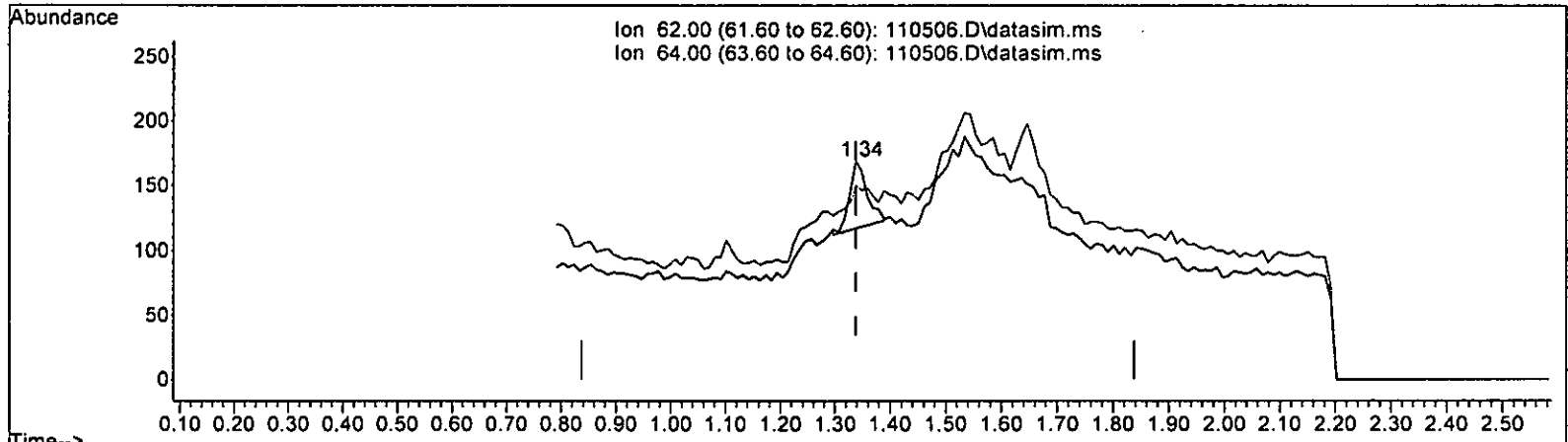
(6) Vinyl chloride (TMP)
 1.338min (-0.000) 0.075 ppb
 response 423

Ion	Exp%	Act%
62.00	100.00	100.00
64.00	34.40	32.26
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110506.D
 Acq On : 05 Nov 2022 11:34 am
 Operator : VM
 Sample : 0.02 ppb 8260 ICAL 67-177F
 Misc : soil/water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:09 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110506.D\data.ms

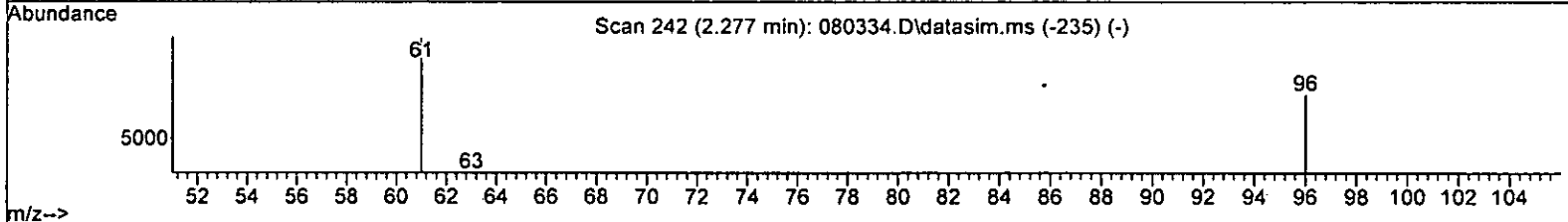
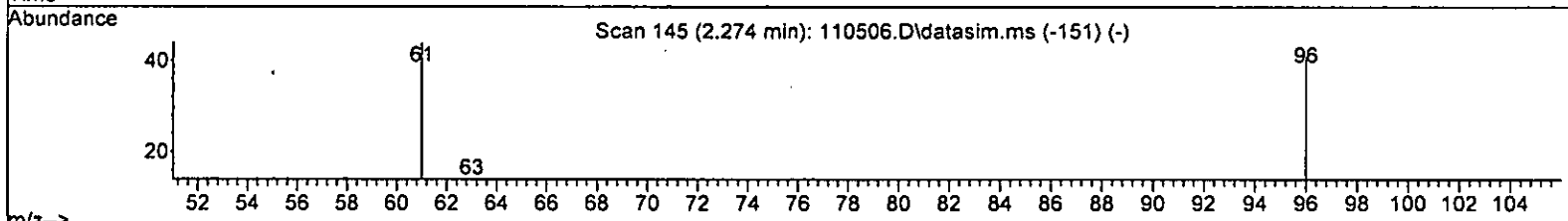
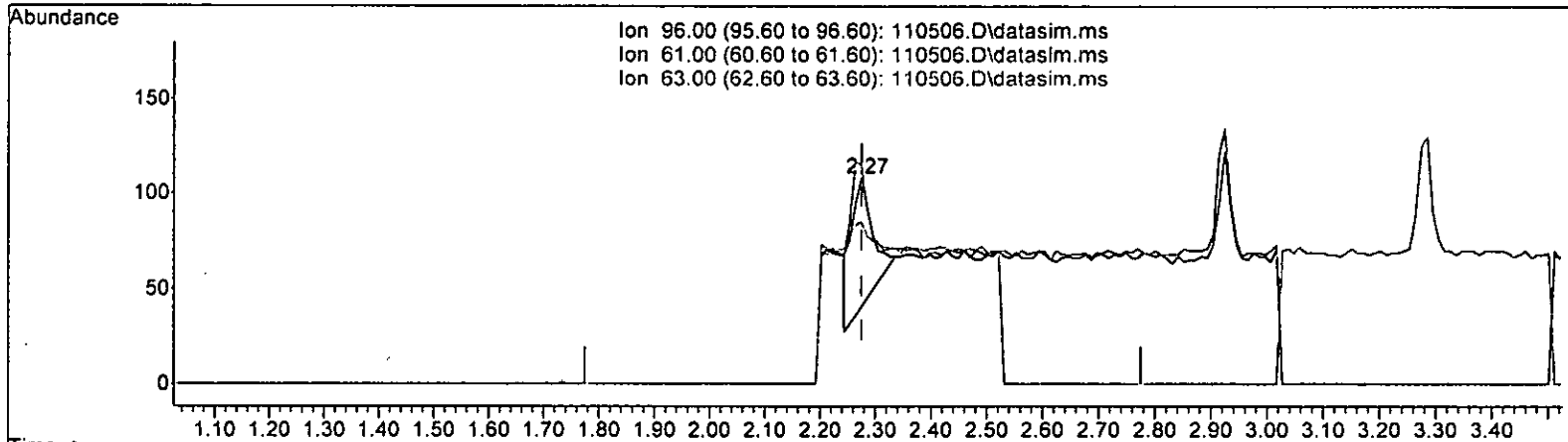
(6) Vinyl chloride (TMP)
 1.338min (-0.000) 0.020 ppb m
 response 115

Ion	Exp%	Act%
62.00	100.00	100.00
64.00	34.40	88.76#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110506.D
 Acq On : 05 Nov 2022 11:34 am
 Operator : VM
 Sample : 0.02 ppb 8260 ICAL 67-177F
 Misc : soil/water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:09 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



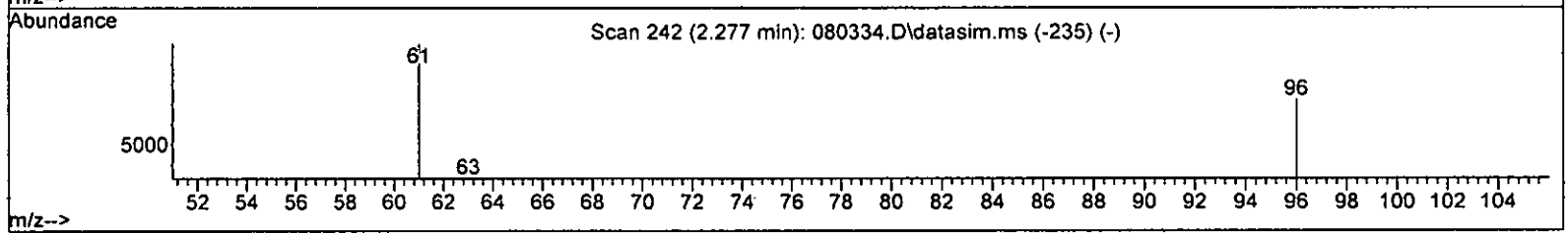
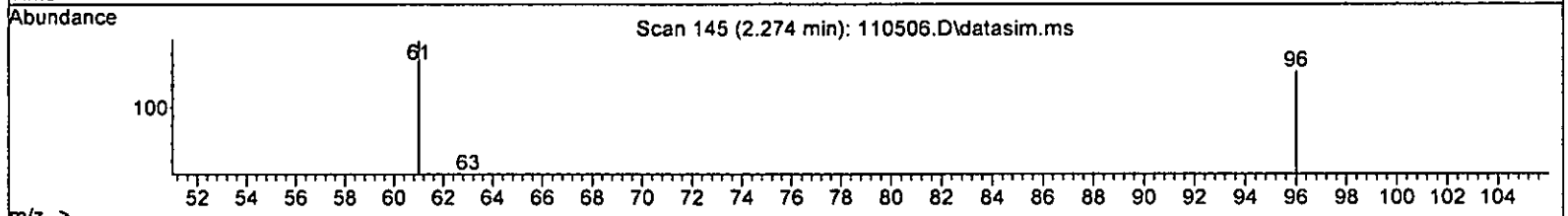
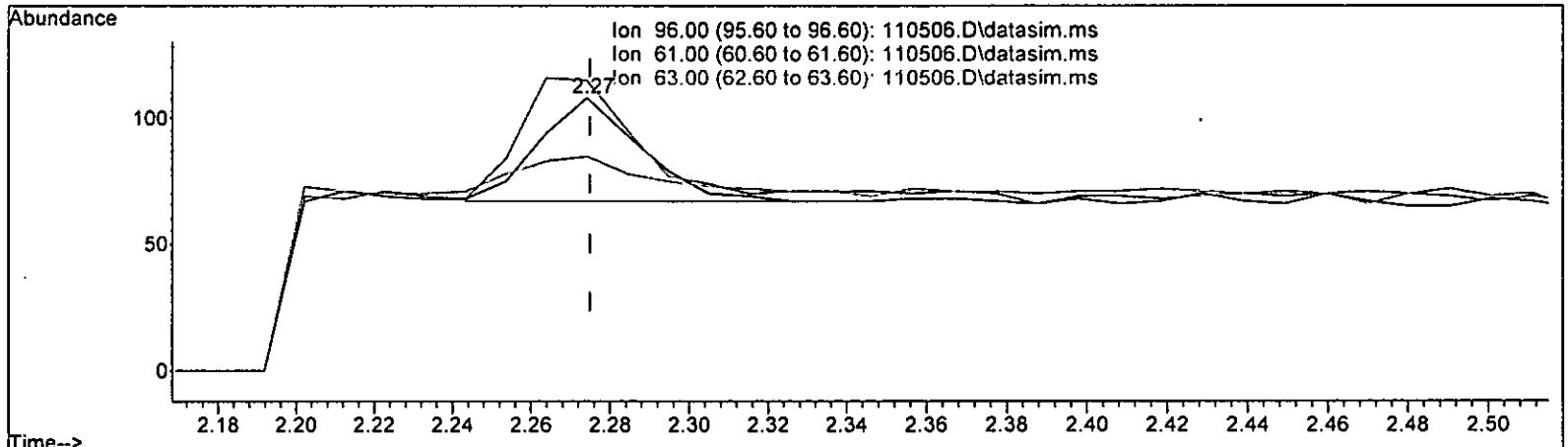
TIC: 110506.D\data.ms

(12)	1,1-Dichloroethene (TMP)	
2.274min (-0.001)	0.059 ppb	
response	185	
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	120.90	114.63
63.00	43.90	34.15
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110506.D
 Acq On : 05 Nov 2022 11:34 am
 Operator : VM
 Sample : 0.02 ppb 8260 ICAL 67-177F
 Misc : soil/water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:09 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110506.D\data.ms

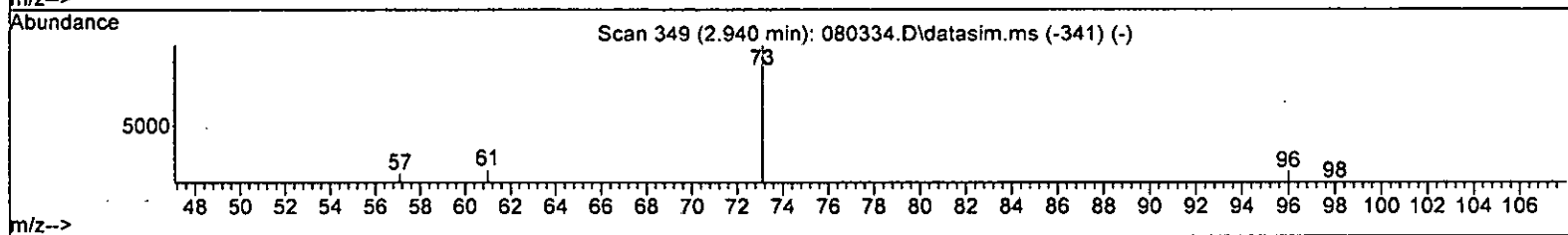
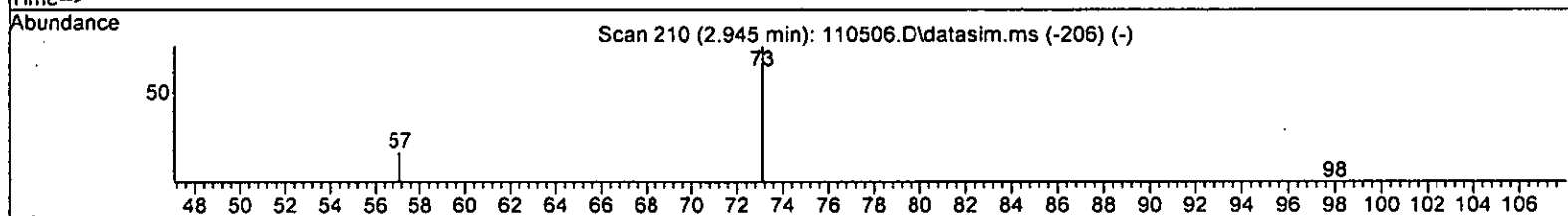
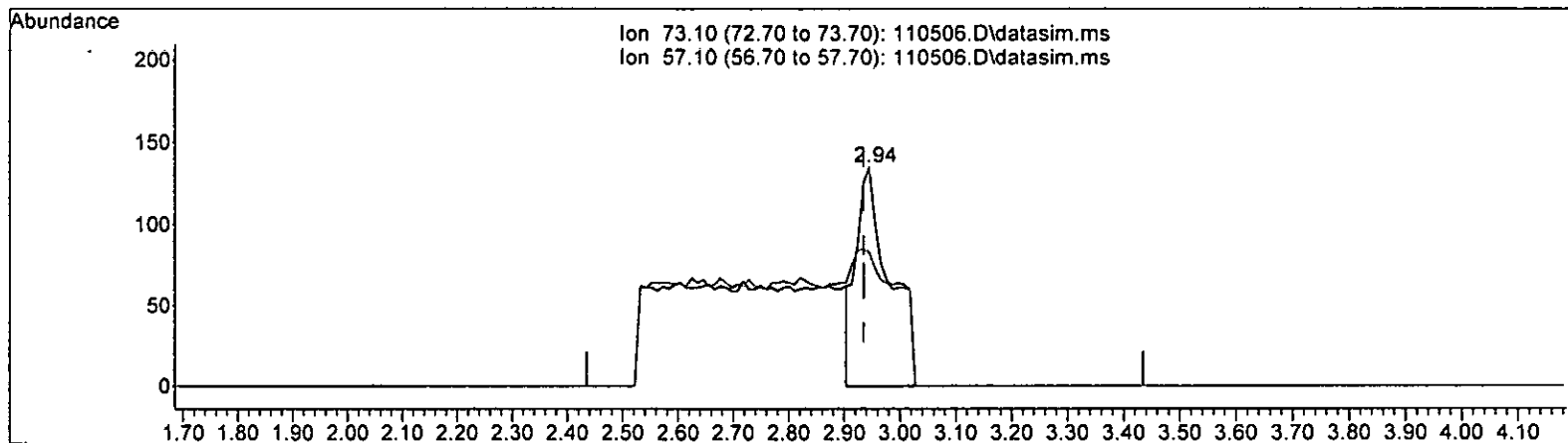
(12) 1,1-Dichloroethene (TMP)
 2.274min (-0.001) 0.023 ppb m

response	74	
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	120.90	106.48
63.00	43.90	78.70#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110506.D
 Acq On : 05 Nov 2022 11:34 am
 Operator : VM
 Sample : 0.02 ppb 8260 ICAL 67-177F
 Misc : soil/water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:09 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110506.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

2.945min (+ 0.010) 0.075 ppb

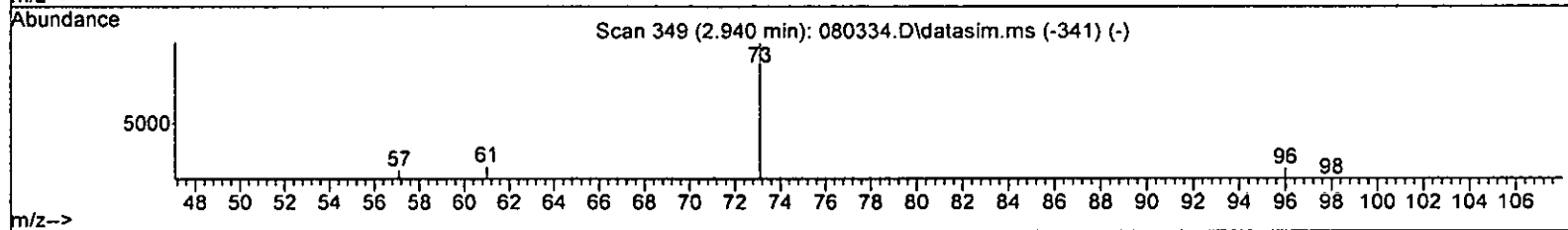
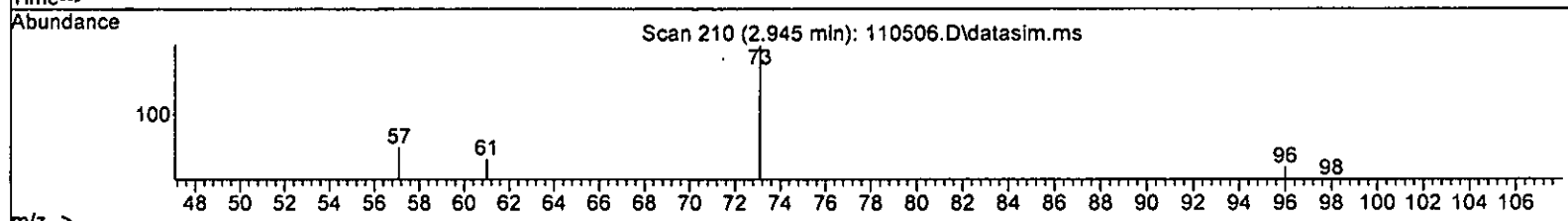
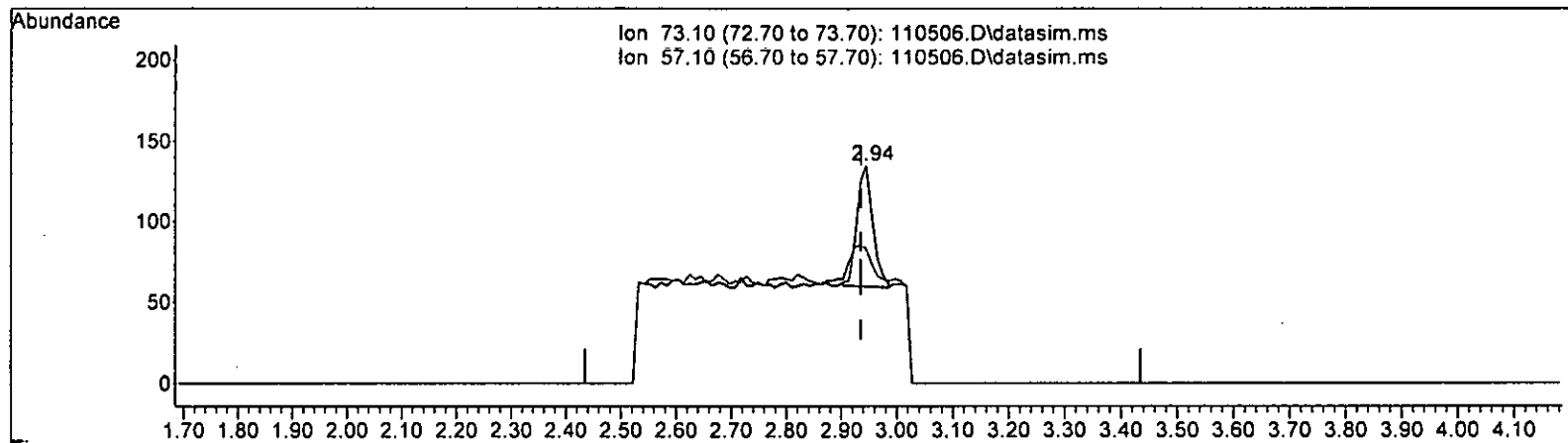
response 555

Ion	Exp%	Act%
73.10	100.00	100.00
57.10	19.40	61.48#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110506.D
 Acq On : 05 Nov 2022 11:34 am
 Operator : VM
 Sample : 0.02 ppb 8260 ICAL 67-177F
 Misc : soil/water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:09 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110506.D\data.ms

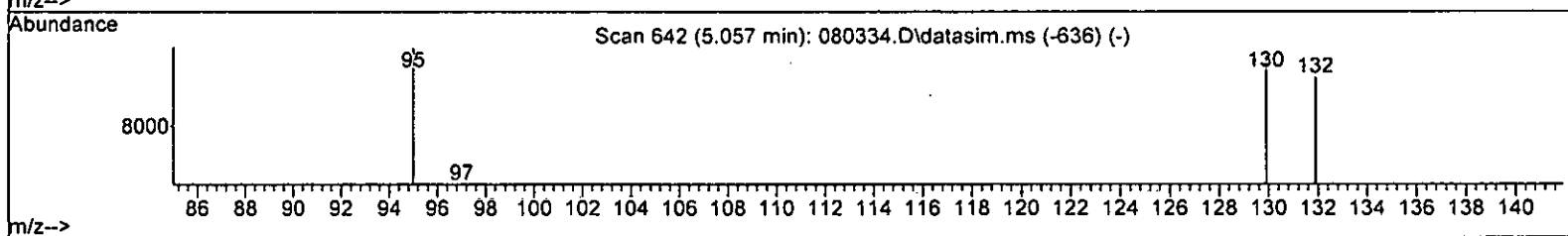
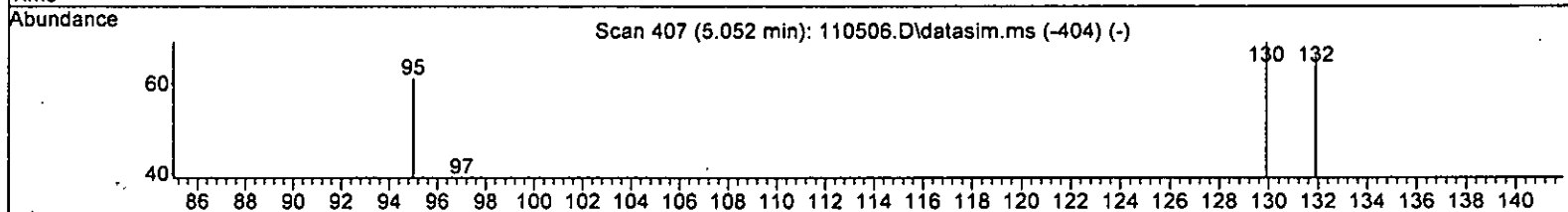
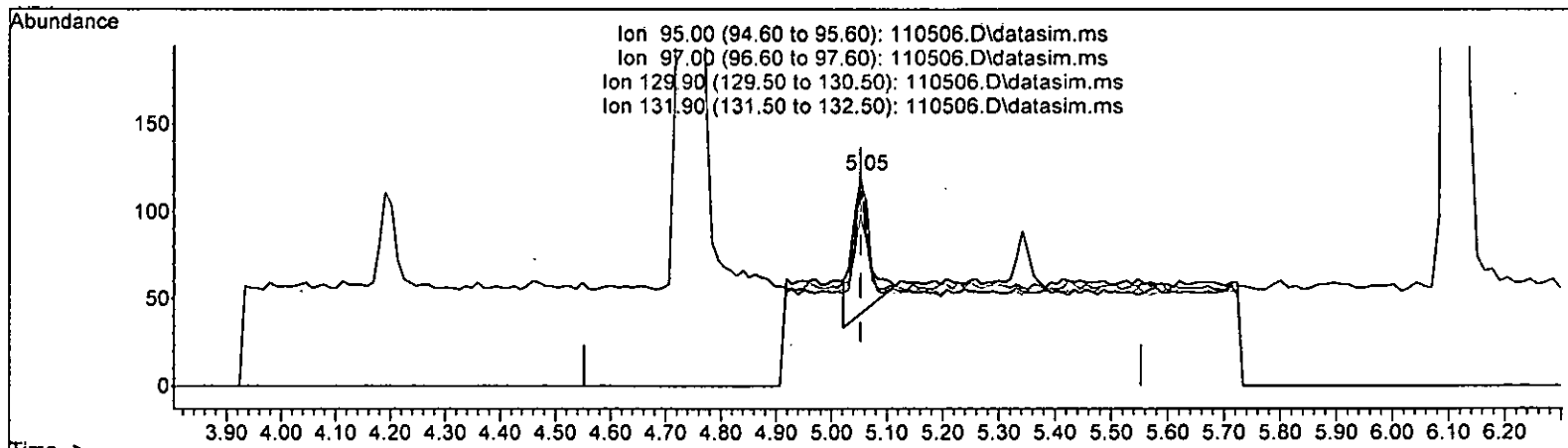
(16) Methyl t-butyl ether (MTBE) (TMP)
 2.945min (+ 0.010) 0.020 ppb m
 response 147

Ion	Exp%	Act%
73.10	100.00	100.00
57.10	19.40	61.48#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110506.D
 Acq On : 05 Nov 2022 11:34 am
 Operator : VM
 Sample : 0.02 ppb 8260 ICAL 67-177F
 Misc : soil/water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:09 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



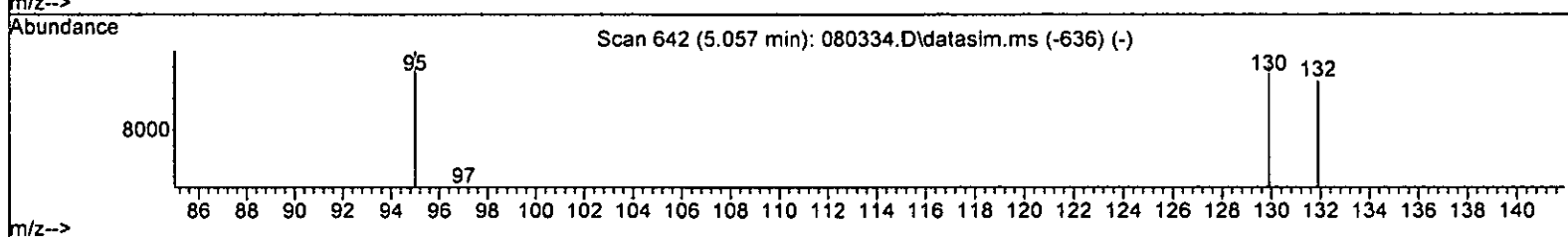
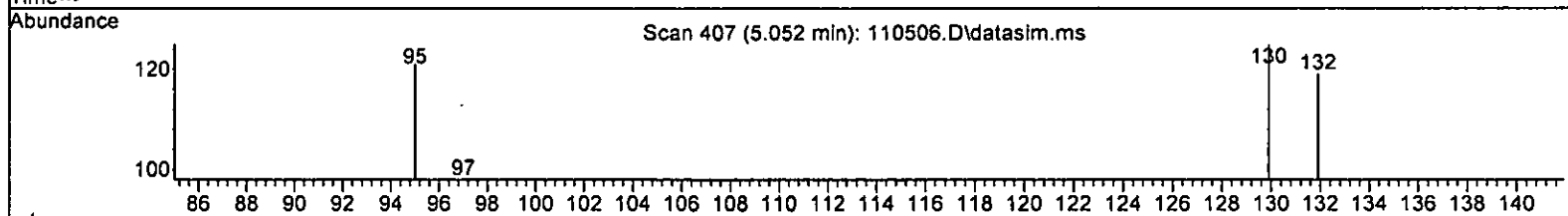
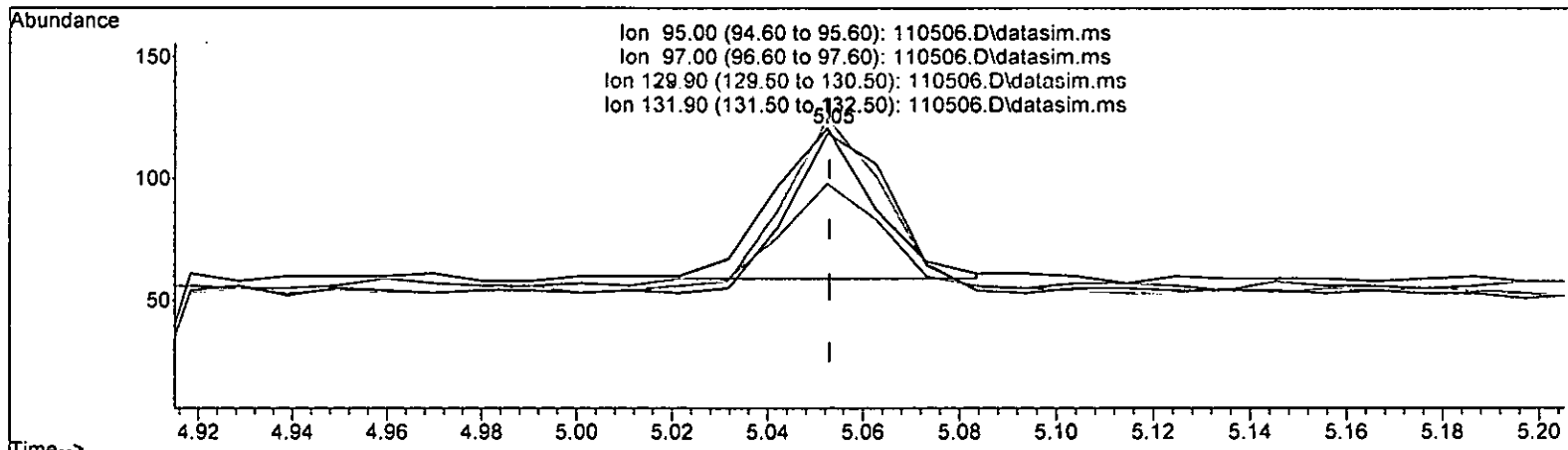
TIC: 110506.D\data.ms

(32) Trichloroethene (TME)		
Retention Time (min)	Concentration (ppb)	Response
5.052min (-0.001)	0.041	168
Ion	Exp%	Act%
95.00	100.00	100.00
97.00	64.60	64.06
129.90	103.40	112.50
131.90	95.80	103.13

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110506.D
 Acq On : 05 Nov 2022 11:34 am
 Operator : VM
 Sample : 0.02 ppb 8260 ICAL 67-177F
 Misc : soil/water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:09 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110506.D\data.ms

(32) Trichloroethene (TMP)

5.052min (-0.001) 0.022 ppb m

response	90
Ion	Exp% Act%
95.00	100.00 100.00
97.00	64.60 80.99
129.90	103.40 103.31
131.90	95.80 98.35

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110506.D
 Acq On : 05 Nov 2022 11:34 am
 Operator : VM
 Sample : 0.02 ppb 8260 ICAL 67-177F
 Misc : soil/water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:09 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	4.75	96	110742	10.000	ppb	0.00	
39) Chlorobenzene-d5	7.40	117	89451	10.000	ppb	0.00	
56) 1,4-Dichlorobenzene-d4	9.62	152	50648	10.000	ppb	0.00	
System Monitoring Compounds							
3) Dibromofluoromethane	4.17	113	35797	10.080	ppb	0.00	
Spiked Amount	10.000	Range 50 - 150	Recovery	=	100.80%		
30) 1,2-Dichloroethane-d4	4.45	102	6904	10.031	ppb	0.00	
Spiked Amount	10.000	Range 84 - 120	Recovery	=	100.30%		
35) Toluene-d8	6.11	98	104736	9.917	ppb	0.00	
Spiked Amount	10.000	Range 73 - 128	Recovery	=	99.20%		
57) 4-Bromofluorobenzene	8.51	95	36207	10.375	ppb	0.00	
Spiked Amount	10.000	Range 57 - 146	Recovery	=	103.70%		
Target Compounds							
							Qvalue
2) Ethanol	2.34	45	525	No Calib			
4) Dichlorodifluoromethane	0.00		0	N.D.	d		
5) Chloromethane	0.00		0	N.D.	d		
6] Vinyl chloride	1.34	62	115m	0.020	ppb		
7) Bromomethane	0.00		0	N.D.			
8) Chloroethane	0.00		0	N.D.	d		
9) Trichlorofluoromethane	0.00		0	N.D.	d		
10) 2-Propanol	0.00		0	N.D.	d		
11) Acetone	0.00		0	N.D.	d		
12] 1,1-Dichloroethene	2.27	96	74m	0.023	ppb		
13) Hexane	0.00		0	N.D.	d		
14) Methylene chloride	0.00		0	N.D.	d		
15) t-Butyl alcohol (TBA)	0.00		0	N.D.			
16] Methyl t-butyl ether (...)	2.94	73	147m	0.020	ppb		
17] trans-1,2-Dichloroethene	2.92	96	81	0.023	ppb		97
18) Diisopropyl ether (DIPE)	0.00		0	N.D.	d		
19] 1,1-Dichloroethane	3.28	63	109	0.021	ppb		94
20) Ethyl t-butyl ether (E...)	0.00		0	N.D.			
21) 2,2-Dichloropropane	0.00		0	N.D.	d		
22] cis-1,2-Dichloroethene	3.77	96	83	0.022	ppb		84
23) Chloroform	0.00		0	N.D.	d		
24) 2-Butanone (MEK)	0.00		0	N.D.	d		
25) t-Amyl methyl ether (T...)	0.00		0	N.D.	d		
26) 1,2-Dichloroethane (EDC)	0.00		0	N.D.	d		
27] 1,1,1-Trichloroethane	4.19	97	117	0.022	ppb		93
28) 1,1-Dichloropropene	0.00		0	N.D.			
29) Carbon tetrachloride	0.00		0	N.D.			
31] Benzene	4.50	78	275	0.022	ppb		92
32] Trichloroethene	5.05	95	90m	0.022	ppb		
33) 1,2-Dichloropropane	0.00		0	N.D.	d		
34) Bromodichloromethane	0.00		0	N.D.	d		
36) Dibromomethane	0.00		0	N.D.			

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110506.D
 Acq On : 05 Nov 2022 11:34 am
 Operator : VM
 Sample : 0.02 ppb 8260 ICAL 67-177F
 Misc : soil/water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS13

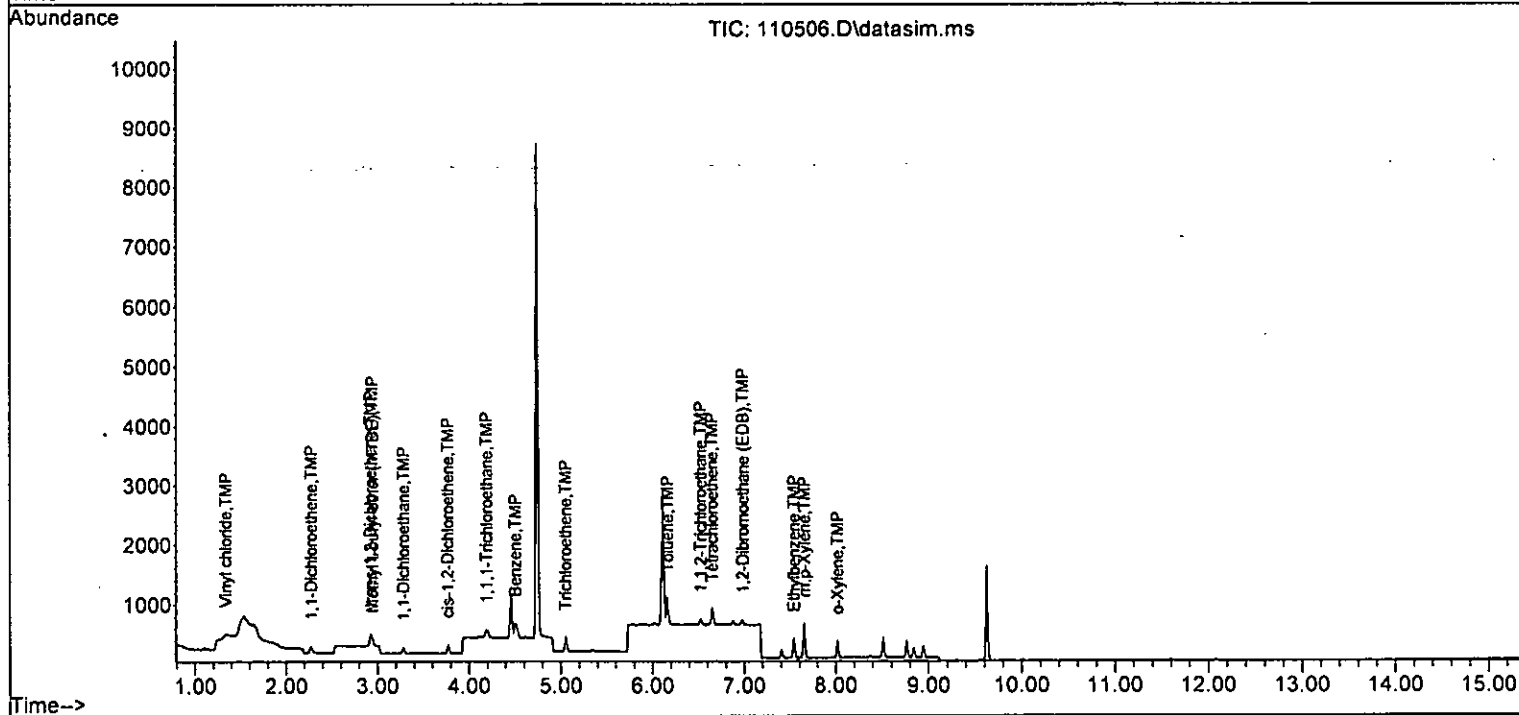
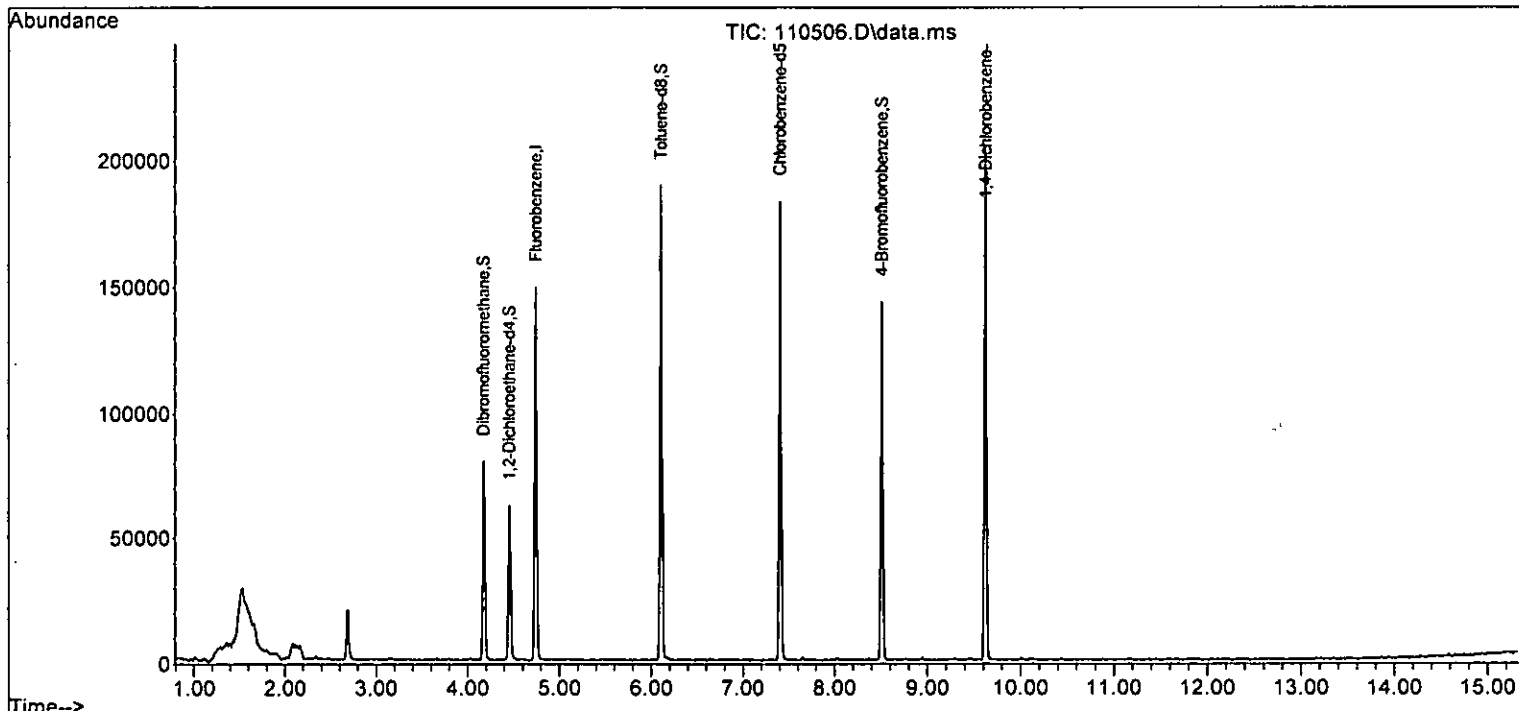
Quant Time: Nov 07 15:17:09 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.00		0	N.D.		
38) cis-1,3-Dichloropropene	0.00		0	N.D.	d	
40] Toluene	6.16	92	225	0.014	ppb	97
41) trans-1,3-Dichloropropene	0.00		0	N.D.		
42] 1,1,2-Trichloroethane	6.53	83	72	0.017	ppb	91
43) 2-Hexanone	0.00		0	N.D.	d	
44) 1,3-Dichloropropane	0.00		0	N.D.		
45] Tetrachloroethene	6.65	164	132	0.017	ppb	91
46) Dibromochloromethane	0.00		0	N.D.		
47] 1,2-Dibromoethane (EDB)	6.98	107	81	0.025	ppb	98
48) Chlorobenzene	0.00		0	N.D.	d	
49] Ethylbenzene	7.54	91	342	0.025	ppb	93
50) 1,1,1,2-Tetrachloroethane	7.52	131	26	N.D.		
51] m,p-Xylene	7.65	106	277	0.051	ppb	90
52] o-Xylene	8.02	106	128	0.024	ppb	84
53) Styrene	0.00		0	N.D.	d	
54) Isopropylbenzene	0.00		0	N.D.	d	
55) Bromoform	0.00		0	N.D.	d	
58) n-Propylbenzene	0.00		0	N.D.	d	
59) Bromobenzene	0.00		0	N.D.	d	
60) 1,3,5-Trimethylbenzene	0.00		0	N.D.	d	
61) 1,1,2,2-Tetrachloroethane	0.00		0	N.D.	d	
62) 1,2,3-Trichloropropane	0.00		0	N.D.	d	
63) 2-Chlorotoluene	0.00		0	N.D.	d	
64) 4-Chlorotoluene	0.00		0	N.D.	d	
65) tert-Butylbenzene	0.00		0	N.D.	d	
66) 1,2,4-Trimethylbenzene	0.00		0	N.D.	d	
67) sec-Butylbenzene	0.00		0	N.D.	d	
68) p-Isopropyltoluene	0.00		0	N.D.	d	
69) 1,3-Dichlorobenzene	0.00		0	N.D.	d	
70) 1,4-Dichlorobenzene	0.00		0	N.D.	d	
71) 1,2-Dichlorobenzene	0.00		0	N.D.	d	
72) 1,2-Dibromo-3-chloropr...	0.00		0	N.D.		
73) 1,2,4-Trichlorobenzene	0.00		0	N.D.	d	
74) Hexachlorobutadiene	0.00		0	N.D.		
75) Naphthalene	0.00		0	N.D.	d	
76) 1,2,3-Trichlorobenzene	0.00		0	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110506.D
 Acq On : 05 Nov 2022 11:34 am
 Operator : VM
 Sample : 0.02 ppb 8260 ICAL 67-177F
 Misc : soil/water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:09 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110506.D
 Acq On : 05 Nov 2022 11:34 am
 Operator : VM
 Sample : 0.02 ppb 8260 ICAL 67-177F
 Misc : soil/water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:09 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2 TMP	Ethanol	-1.000	0.000	0.0	0	0.01
3 S	Dibromofluoromethane	10.000	10.080	-0.8	100	0.00
4 TMP	Dichlorodifluoromethane	-1.000	0.000	0.0	0	-1.12#
5 TMP	Chloromethane	-1.000	0.000	0.0	0	-1.26#
6 TMP	Vinyl chloride	0.020	0.020	0.0	76	0.00
7 TMP	Bromomethane	-1.000	0.000	0.0	0	-1.58#
8 TMP	Chloroethane	-1.000	0.000	0.0	0	-1.65#
9 TMP	Trichlorofluoromethane	-1.000	0.000	0.0	0	-1.83#
10 TMP	2-Propanol	-1.000	0.000	0.0	0	-2.33#
11 TMP	Acetone	-1.000	0.000	0.0	0	-2.33#
12 TMP	1,1-Dichloroethene	0.020	0.023	-15.0	100	0.00
13 TMP	Hexane	-1.000	0.000	0.0	0	-3.16#
14 TMP	Methylene chloride	-1.000	0.000	0.0	0	-2.68#
15 TMP	t-Butyl alcohol (TBA)	-1.000	0.000	0.0	0	-2.82#
16 TMP	Methyl t-butyl ether (MTBE)	0.020	0.020	0.0	98	0.00
17 TMP	trans-1,2-Dichloroethene	0.020	0.023	-15.0	100	0.00
18 TMP	Diisopropyl ether (DIPE)	-1.000	0.000	0.0	0	-3.35#
19 TMP	1,1-Dichloroethane	0.020	0.021	-5.0	100	0.00
20 TMP	Ethyl t-butyl ether (ETBE)	-1.000	0.000	0.0	0	-3.66#
21 TMP	2,2-Dichloropropane	-1.000	0.000	0.0	0	-3.77#
22 TMP	cis-1,2-Dichloroethene	0.020	0.022	-10.0	100	0.00
23 TMP	Chloroform	-1.000	0.000	0.0	0	-4.04#
24 TMP	2-Butanone (MEK)	-1.000	0.000	0.0	0	-3.79#
25 TMP	t-Amyl methyl ether (TAME)	-1.000	0.000	0.0	0	-4.61#
26 TMP	1,2-Dichloroethane (EDC)	-1.000	0.000	0.0	0	-4.53#
27 TMP	1,1,1-Trichloroethane	0.020	0.022	-10.0	100	0.00
28 TMP	1,1-Dichloropropene	-1.000	0.000	0.0	0	-4.33#
29 TMP	Carbon tetrachloride	-1.000	0.000	0.0	0	-4.33#
30 S	1,2-Dichloroethane-d4	10.000	10.031	-0.3	100	0.00
31 TMP	Benzene	0.020	0.022	-10.0	100	0.00
32 TMP	Trichloroethene	0.020	0.022	-10.0	94	0.00
33 TMP	1,2-Dichloropropane	-1.000	0.000	0.0	0	-5.24#
34 TMP	Bromodichloromethane	-1.000	0.000	0.0	0	-5.48#
35 S	Toluene-d8	10.000	9.917	0.8	100	0.00
36 TMP	Dibromomethane	-1.000	0.000	0.0	0	-5.35#
37 TMP	4-Methyl-2-pentanone	-1.000	0.000	0.0	0	-6.03#
38 TMP	cis-1,3-Dichloropropene	-1.000	0.000	0.0	0	-5.88#
39 I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40 TMP	Toluene	0.020	0.014	30.0#	100	0.00
41 TMP	trans-1,3-Dichloropropene	-1.000	0.000	0.0	0	-6.36#
42 TMP	1,1,2-Trichloroethane	0.020	0.017	15.0	107	0.00
43 TMP	2-Hexanone	-1.000	0.000	0.0	0	-6.76#

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110506.D
 Acq On : 05 Nov 2022 11:34 am
 Operator : VM
 Sample : 0.02 ppb 8260 ICA1 67-177F
 Misc : soil/water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:09 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	-1.000	0.000	0.0	0	-6.68#
45 TMP Tetrachloroethene	0.020	0.017	15.0	100	0.00
46 TMP Dibromochloromethane	-1.000	0.000	0.0	0	-6.88#
47 TMP 1,2-Dibromoethane (EDB)	0.020	0.025	-25.0#	100	0.00
48 TMP Chlorobenzene	-1.000	0.000	0.0	0	-7.43#
49 TMP Ethylbenzene	0.020	0.025	-25.0#	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	-1.000	0.008	0.0	0	0.00
51 TMP m,p-Xylene	0.040	0.051	-27.5#	100	0.00
52 TMP o-Xylene	0.020	0.024	-20.0	100	0.00
53 TMP Styrene	-1.000	0.000	0.0	0	-8.03#
54 TMP Isopropylbenzene	-1.000	0.000	0.0	0	-8.37#
55 TMP Bromoform	-1.000	0.000	0.0	0	-8.20#
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	10.000	10.375	-3.8	100	0.00
58 TMP n-Propylbenzene	-1.000	0.000	0.0	0	-8.77#
59 TMP Bromobenzene	-1.000	0.000	0.0	0	-8.65#
60 TMP 1,3,5-Trimethylbenzene	-1.000	0.000	0.0	0	-8.94#
61 TMP 1,1,2,2-Tetrachloroethane	-1.000	0.000	0.0	0	-8.65#
62 TMP 1,2,3-Trichloropropane	-1.000	0.000	0.0	0	-8.70#
63 TMP 2-Chlorotoluene	-1.000	0.000	0.0	0	-8.84#
64 TMP 4-Chlorotoluene	-1.000	0.000	0.0	0	-8.95#
65 TMP tert-Butylbenzene	-1.000	0.000	0.0	0	-9.25#
66 TMP 1,2,4-Trimethylbenzene	-1.000	0.000	0.0	0	-9.30#
67 TMP sec-Butylbenzene	-1.000	0.000	0.0	0	-9.46#
68 TMP p-Isopropyltoluene	-1.000	0.000	0.0	0	-9.61#
69 TMP 1,3-Dichlorobenzene	-1.000	0.000	0.0	0	-9.56#
70 TMP 1,4-Dichlorobenzene	-1.000	0.000	0.0	0	-9.64#
71 TMP 1,2-Dichlorobenzene	-1.000	0.000	0.0	0	-10.01#
72 TMP 1,2-Dibromo-3-chloropropane	-1.000	0.000	0.0	0	-10.78#
73 TMP 1,2,4-Trichlorobenzene	-1.000	0.000	0.0	0	-11.59#
74 TMP Hexachlorobutadiene	-1.000	0.000	0.0	0	-11.77#
75 TMP Naphthalene	-1.000	0.000	0.0	0	-11.84#
76 TMP 1,2,3-Trichlorobenzene	-1.000	0.000	0.0	0	-12.08#

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110506.D
 Acq On : 05 Nov 2022 11:34 am
 Operator : VM
 Sample : 0.02 ppb 8260 ICAL 67-177F
 Misc : soil/water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:09 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2 TMP	Ethanol	0.000	0.000#	0.0	0#	0.01
3 S	Dibromofluoromethane	0.321	0.323	-0.6	100	0.00
4 TMP	Dichlorodifluoromethane	0.800	0.000#	100.0#	0#	-1.12#
5 TMP	Chloromethane	0.488	0.000#	100.0#	0#	-1.26#
6 TMP	Vinyl chloride	0.510	0.519	-1.8	75	0.00
7 TMP	Bromomethane	0.432	0.000#	100.0#	0#	-1.58#
8 TMP	Chloroethane	0.229	0.000#	100.0#	0#	-1.65#
9 TMP	Trichlorofluoromethane	1.123	0.000#	100.0#	0#	-1.83#
10 TMP	2-Propanol	0.000	0.000	0.0	0#	-2.33#
11 TMP	Acetone	0.029	0.000#	100.0#	0#	-2.33#
12 TMP	1,1-Dichloroethene	0.285	0.334	-17.2	100	0.00
13 TMP	Hexane	0.323	0.000#	100.0#	0#	-3.16#
14 TMP	Methylene chloride	0.289	0.000#	100.0#	0#	-2.68#
15 TMP	t-Butyl alcohol (TBA)	0.024	0.000#	100.0#	0#	-2.82#
16 TMP	Methyl t-butyl ether (MTBE)	0.666	0.664	0.3	98	0.00
17 TMP	trans-1,2-Dichloroethene	0.318	0.366	-15.1	100	0.00
18 TMP	Diisopropyl ether (DIPE)	0.698	0.000#	100.0#	0#	-3.35#
19 TMP	1,1-Dichloroethane	0.463	0.492	-6.3	100	0.00
20 TMP	Ethyl t-butyl ether (ETBE)	0.258	0.000#	100.0#	0#	-3.66#
21 TMP	2,2-Dichloropropane	0.258	0.000#	100.0#	0#	-3.77#
22 TMP	cis-1,2-Dichloroethene	0.333	0.375	-12.6	100	0.00
23 TMP	Chloroform	0.539	0.000#	100.0#	0#	-4.04#
24 TMP	2-Butanone (MEK)	0.132	0.000#	100.0#	0#	-3.79#
25 TMP	t-Amyl methyl ether (TAME)	0.540	0.000#	100.0#	0#	-4.61#
26 TMP	1,2-Dichloroethane (EDC)	0.465	0.000#	100.0#	0#	-4.53#
27 TMP	1,1,1-Trichloroethane	0.482	0.528	-9.5	100	0.00
28 TMP	1,1-Dichloropropene	0.370	0.000#	100.0#	0#	-4.33#
29 TMP	Carbon tetrachloride	0.485	0.000#	100.0#	0#	-4.33#
30 S	1,2-Dichloroethane-d4	0.062	0.062	0.0	100	0.00
31 TMP	Benzene	1.118	1.242	-11.1	100	0.00
32 TMP	Trichloroethene	0.367	0.406	-10.6	94	0.00
33 TMP	1,2-Dichloropropane	0.241	0.000#	100.0#	0#	-5.24#
34 TMP	Bromodichloromethane	0.387	0.000#	100.0#	0#	-5.48#
35 S	Toluene-d8	0.954	0.946	0.8	100	0.00
36 TMP	Dibromomethane	0.219	0.000#	100.0#	0#	-5.35#
37 TMP	4-Methyl-2-pentanone	0.042	0.000#	100.0#	0#	-6.03#
38 TMP	cis-1,3-Dichloropropene	0.360	0.000#	100.0#	0#	-5.88#
39 I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40 TMP	Toluene	0.907	1.258	-38.7#	100	0.00
41 TMP	trans-1,3-Dichloropropene	0.366	0.000#	100.0#	0#	-6.36#
42 TMP	1,1,2-Trichloroethane	0.285	0.402	-41.1#	107	0.00
43 TMP	2-Hexanone	0.190	0.000#	100.0#	0#	-6.76#

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110506.D
 Acq On : 05 Nov 2022 11:34 am
 Operator : VM
 Sample : 0.02 ppb 8260 ICAL 67-177F
 Misc : soil/water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:09 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.457	0.000#	100.0#	0#	-6.68#
45 TMP Tetrachloroethene	0.460	0.738	-60.4#	100	0.00
46 TMP Dibromochloromethane	0.451	0.000#	100.0#	0#	-6.88#
47 TMP 1,2-Dibromoethane (EDB)	0.360	0.453	-25.8#	100	0.00
48 TMP Chlorobenzene	0.993	0.000#	100.0#	0#	-7.43#
49 TMP Ethylbenzene	1.557	1.912	-22.8#	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.387	0.000#	100.0#	0#	0.00
51 TMP m,p-Xylene	0.612	0.774	-26.5#	100	0.00
52 TMP o-Xylene	0.591	0.715	-21.0#	100	0.00
53 TMP Styrene	0.887	0.000#	100.0#	0#	-8.03#
54 TMP Isopropylbenzene	1.435	0.000#	100.0#	0#	-8.37#
55 TMP Bromoform	0.299	0.000#	100.0#	0#	-8.20#
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	0.689	0.715	-3.8	100	0.00
58 TMP n-Propylbenzene	2.700	0.000#	100.0#	0#	-8.77#
59 TMP Bromobenzene	0.837	0.000#	100.0#	0#	-8.65#
60 TMP 1,3,5-Trimethylbenzene	1.968	0.000#	100.0#	0#	-8.94#
61 TMP 1,1,2,2-Tetrachloroethane	0.626	0.000#	100.0#	0#	-8.65#
62 TMP 1,2,3-Trichloropropane	0.486	0.000#	100.0#	0#	-8.70#
63 TMP 2-Chlorotoluene	1.617	0.000#	100.0#	0#	-8.84#
64 TMP 4-Chlorotoluene	1.912	0.000#	100.0#	0#	-8.95#
65 TMP tert-Butylbenzene	1.952	0.000#	100.0#	0#	-9.25#
66 TMP 1,2,4-Trimethylbenzene	1.996	0.000#	100.0#	0#	-9.30#
67 TMP sec-Butylbenzene	2.624	0.000#	100.0#	0#	-9.46#
68 TMP p-Isopropyltoluene	2.387	0.000#	100.0#	0#	-9.61#
69 TMP 1,3-Dichlorobenzene	1.530	0.000#	100.0#	0#	-9.56#
70 TMP 1,4-Dichlorobenzene	1.564	0.000#	100.0#	0#	-9.64#
71 TMP 1,2-Dichlorobenzene	1.455	0.000#	100.0#	0#	-10.01#
72 TMP 1,2-Dibromo-3-chloropropane	0.108	0.000#	100.0#	0#	-10.78#
73 TMP 1,2,4-Trichlorobenzene	0.971	0.000#	100.0#	0#	-11.59#
74 TMP Hexachlorobutadiene	0.600	0.000#	100.0#	0#	-11.77#
75 TMP Naphthalene	1.833	0.000#	100.0#	0#	-11.84#
76 TMP 1,2,3-Trichlorobenzene	0.846	0.000#	100.0#	0#	-12.08#

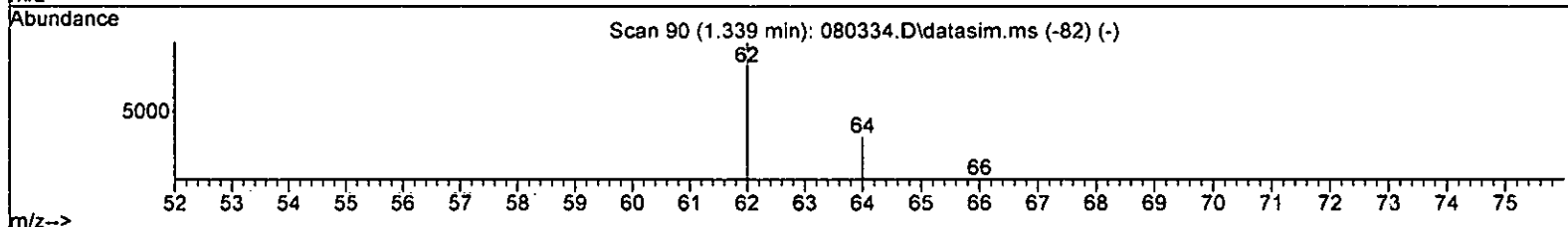
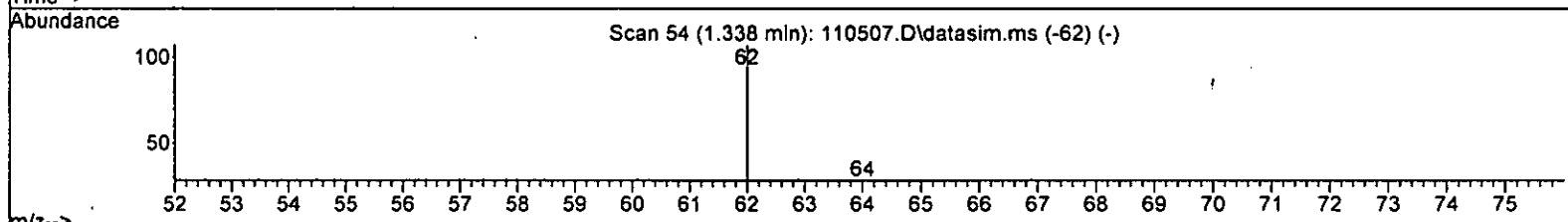
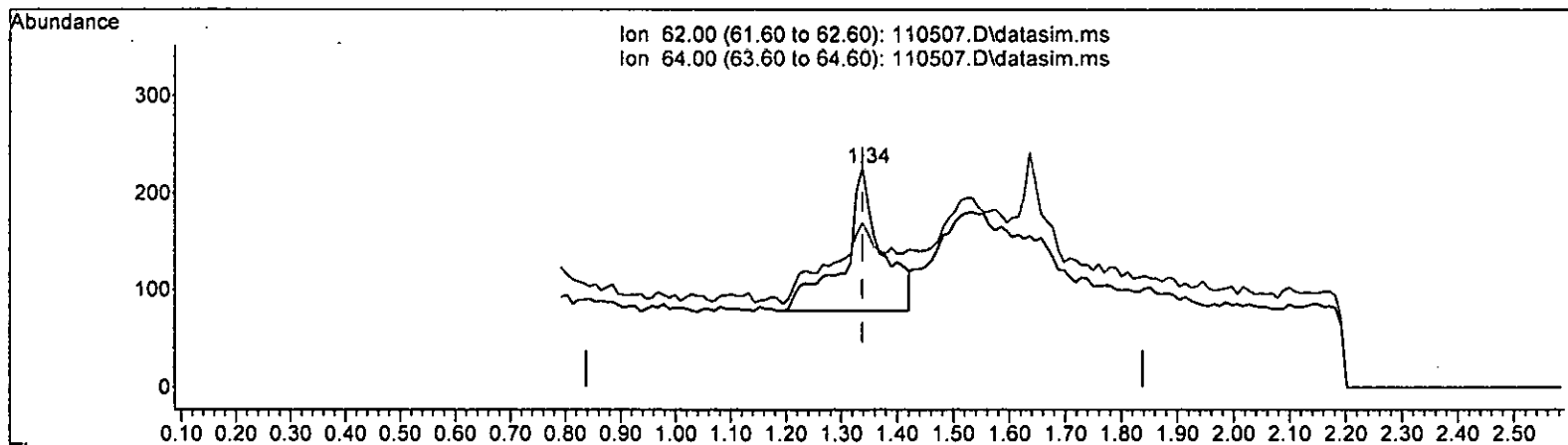
(#) = Out of Range

SPCC's out = 52 CCC's out = 0

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110507.D
 Acq On : 05 Nov 2022 11:57 am
 Operator : VM
 Sample : 0.04 ppb 8260 ICAL 67-177G
 Misc : soil/water
 ALS Vial : 3 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:11 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110507.D\data.ms

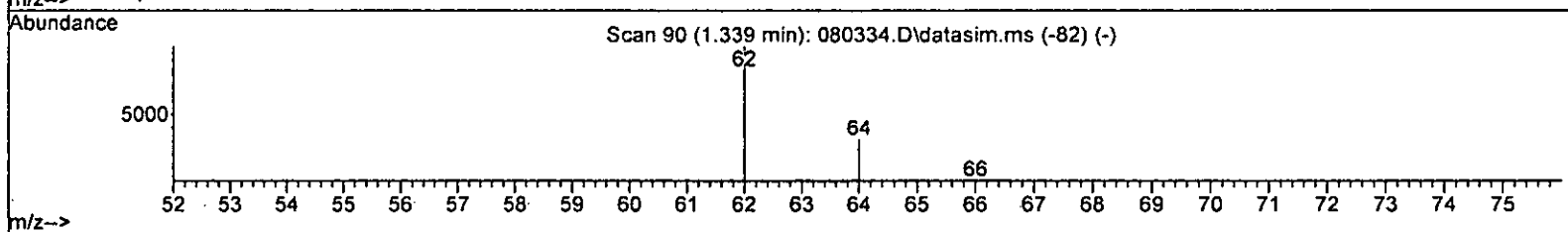
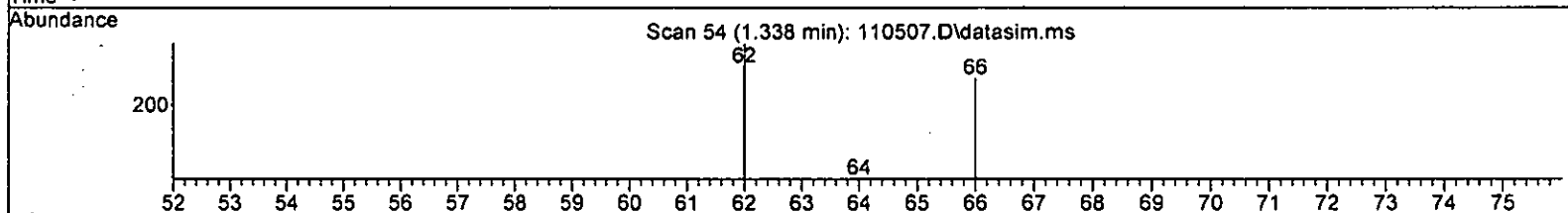
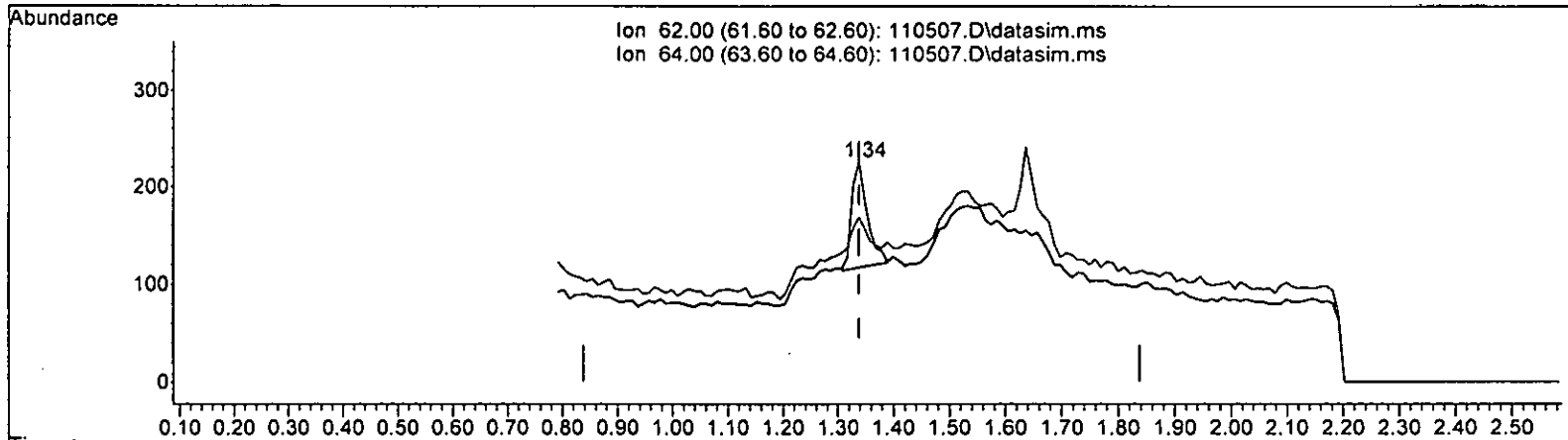
(6) Vinyl chloride (TMP)
 1.338min (-0.000) 0.121 ppb
 response 688

Ion	Exp%	Act%
62.00	100.00	100.00
64.00	34.40	56.76
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110507.D
 Acq On : 05 Nov 2022 11:57 am
 Operator : VM
 Sample : 0.04 ppb 8260 ICAL 67-177G
 Misc : soil/water
 ALS Vial : 3 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:11 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110507.D\data.ms

(6) Vinyl chloride (TMP)

1.338min (-0.000) 0.038 ppb m

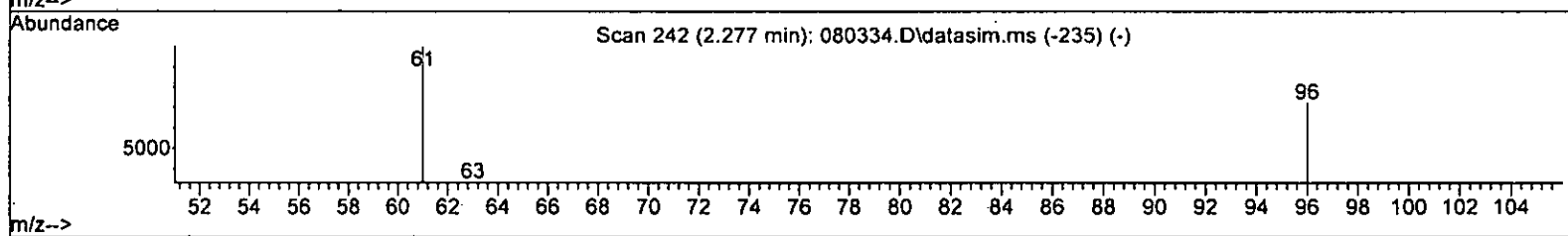
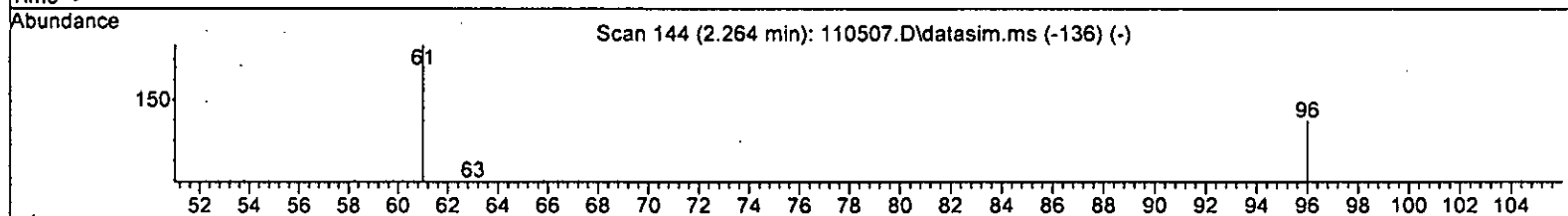
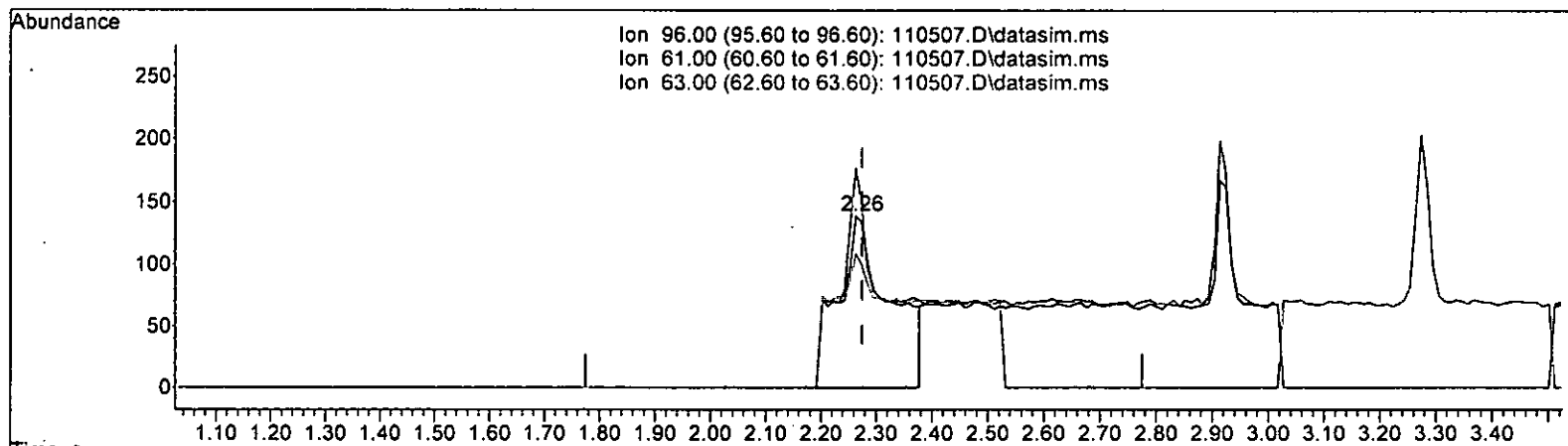
response 214

Ion	Exp%	Act%
62.00	100.00	100.00
64.00	34.40	74.78#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110507.D
 Acq On : 05 Nov 2022 11:57 am
 Operator : VM
 Sample : 0.04 ppb 8260 ICAL 67-177G
 Misc : soil/water
 ALS Vial : 3 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:11 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



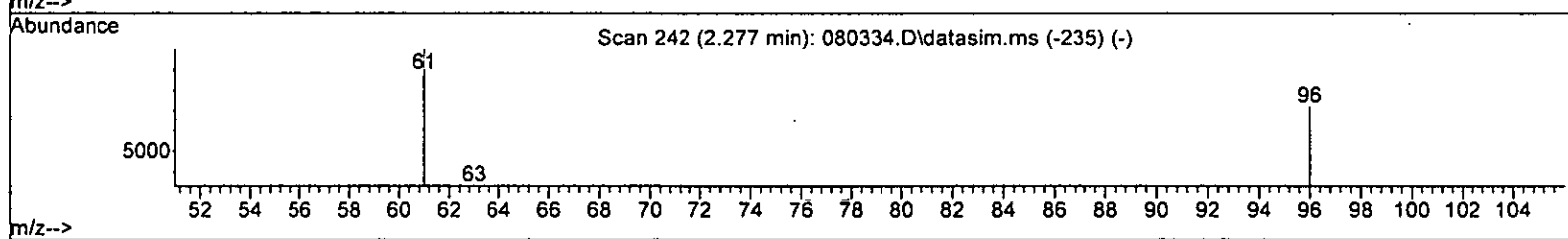
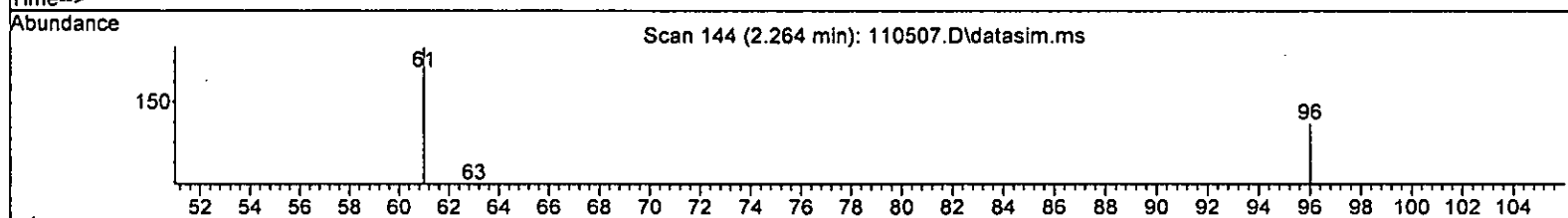
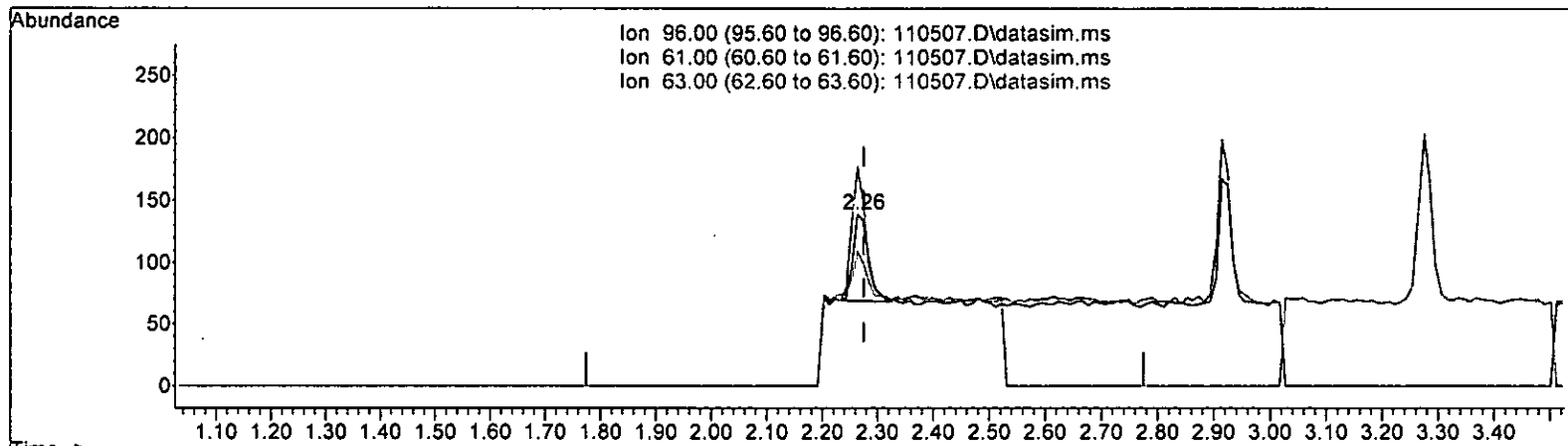
TIC: 110507.D\data.ms

(12)	1,1-Dichloroethene (TMP)	
2.264min (-0.011)	0.280 ppb	
response	892	
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	120.90	127.34
63.00	43.90	78.42#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110507.D
 Acq On : 05 Nov 2022 11:57 am
 Operator : VM
 Sample : 0.04 ppb 8260 ICAL 67-177G
 Misc : soil/water
 ALS Vial : 3 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:11 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110507.D\data.ms

(12) 1,1-Dichloroethene (TMP)

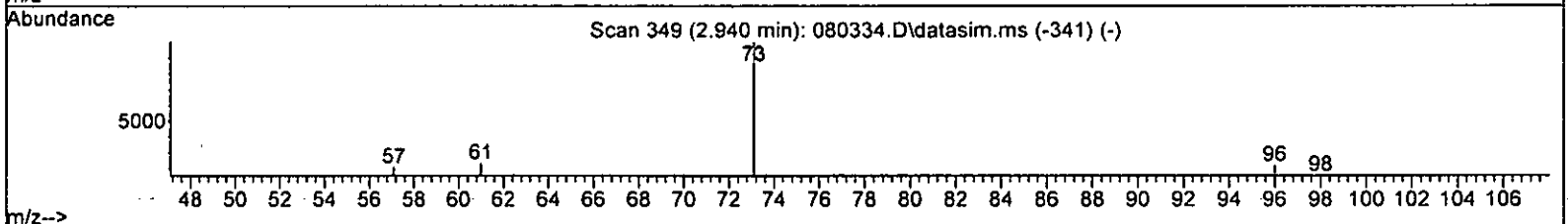
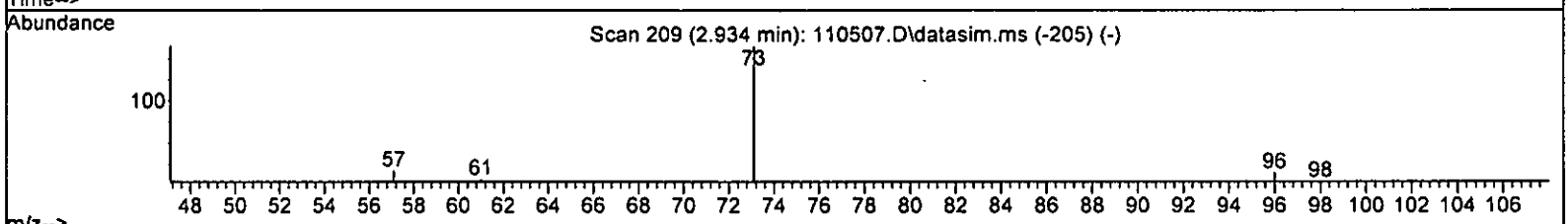
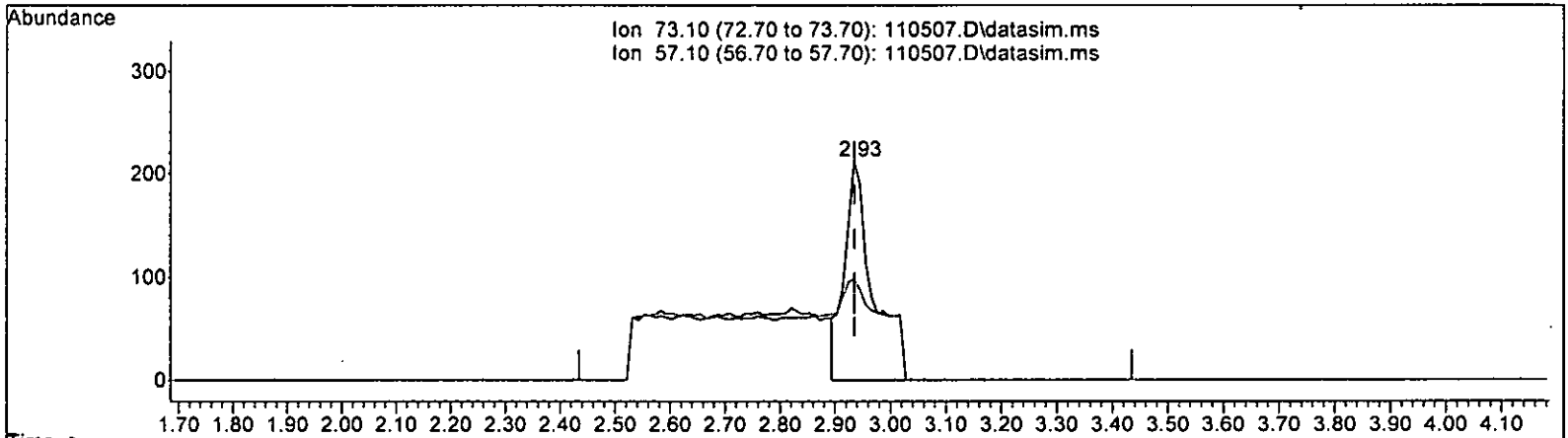
2.264min (-0.011) 0.042 ppb m

response	133	
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	120.90	127.34
63.00	43.90	78.42#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110507.D
 Acq On : 05 Nov 2022 11:57 am
 Operator : VM
 Sample : 0.04 ppb 8260 ICAL 67-177G
 Misc : soil/water
 ALS Vial : 3 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:11 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110507.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

2.934min (-0.001) 0.101 ppb

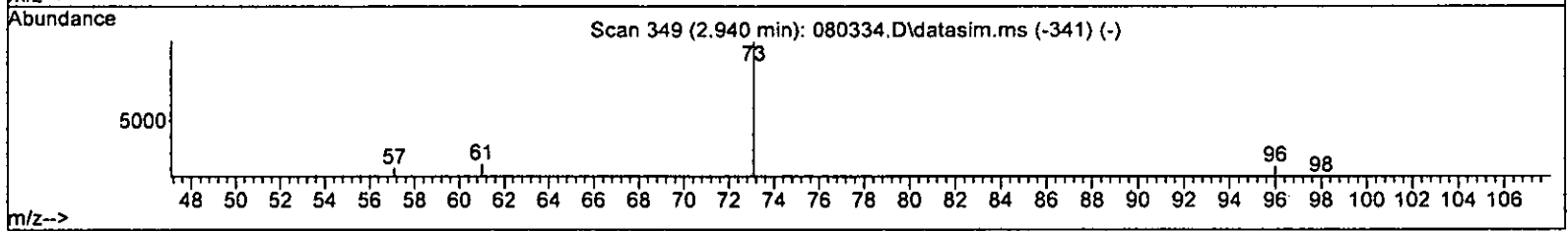
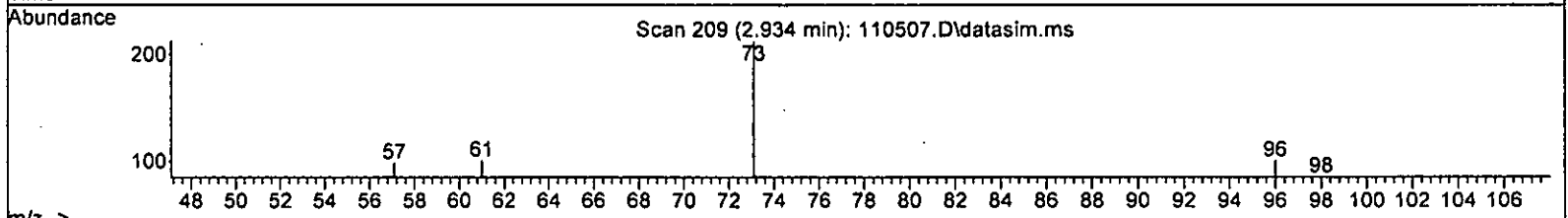
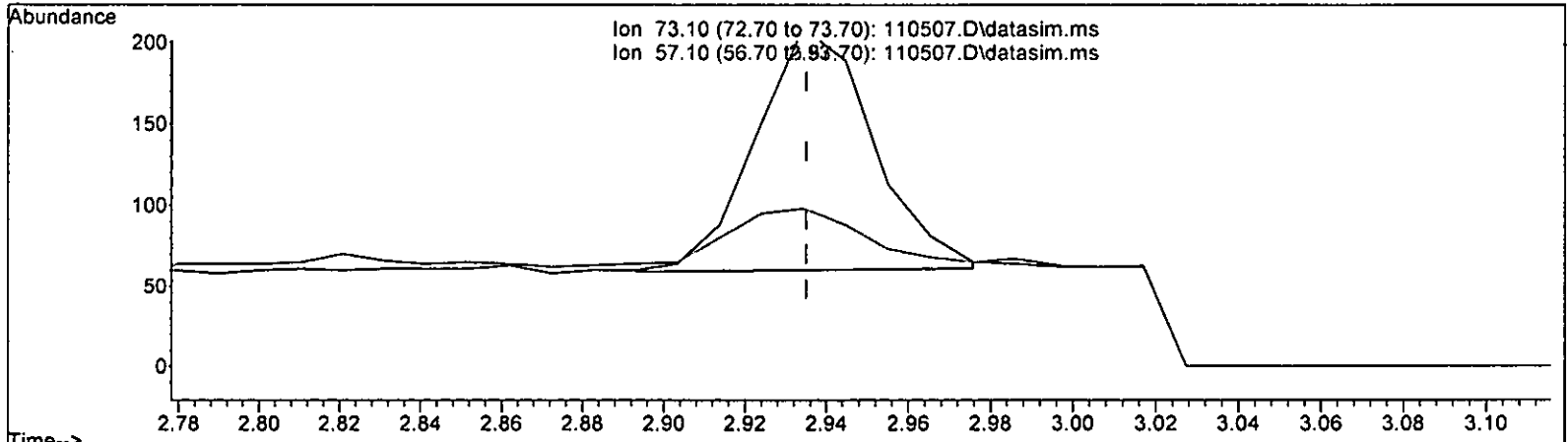
response 751

Ion	Exp%	Act%
73.10	100.00	100.00
57.10	19.40	46.23
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110507.D
 Acq On : 05 Nov 2022 11:57 am
 Operator : VM
 Sample : 0.04 ppb 8260 ICAL 67-177G
 Misc : soil/water
 ALS Vial : 3 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:11 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110507.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

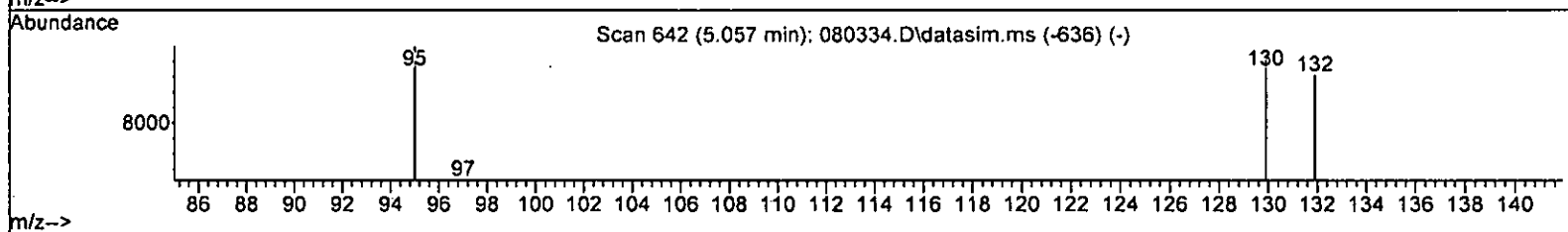
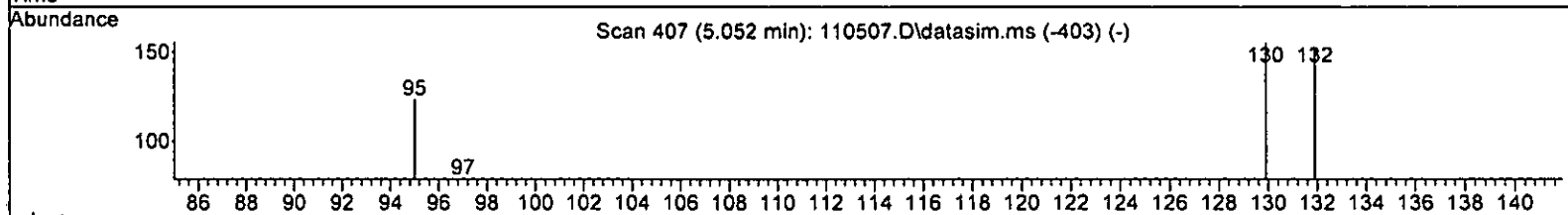
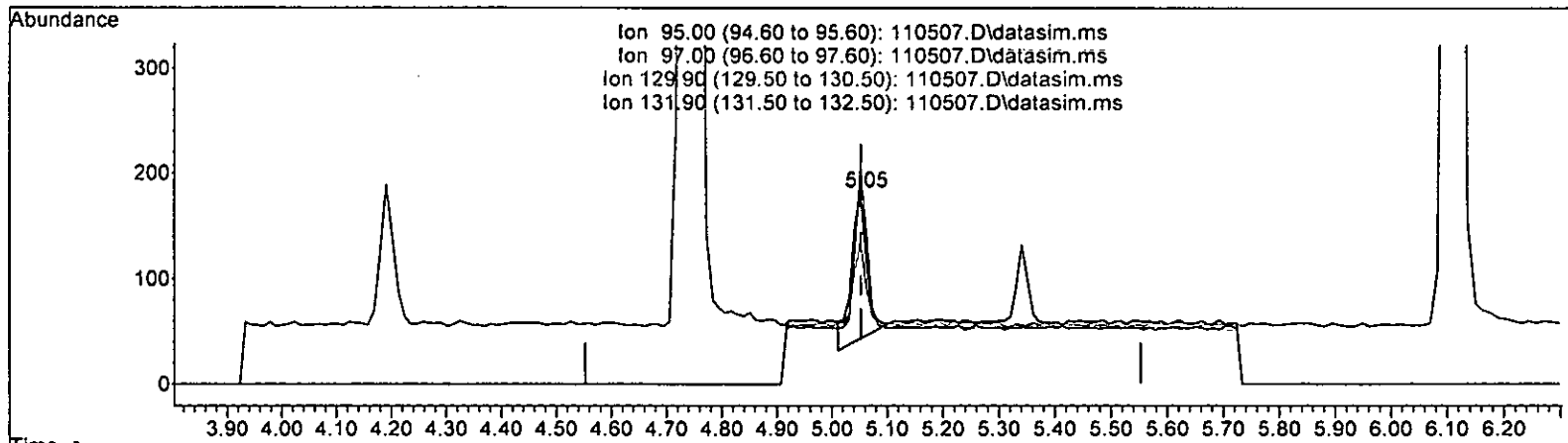
2.934min (-0.001) 0.040 ppb m

response	299
Ion	Exp% Act%
73.10	100.00 100.00
57.10	19.40 46.23
0.00	0.00 0.00
0.00	0.00 0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110507.D
 Acq On : 05 Nov 2022 11:57 am
 Operator : VM
 Sample : 0.04 ppb 8260 ICAL 67-177G
 Misc : soil/water
 ALS Vial : 3 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:11 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



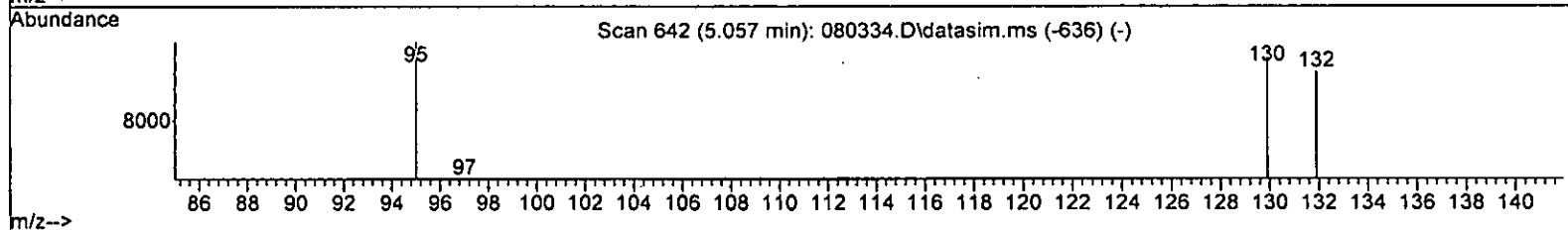
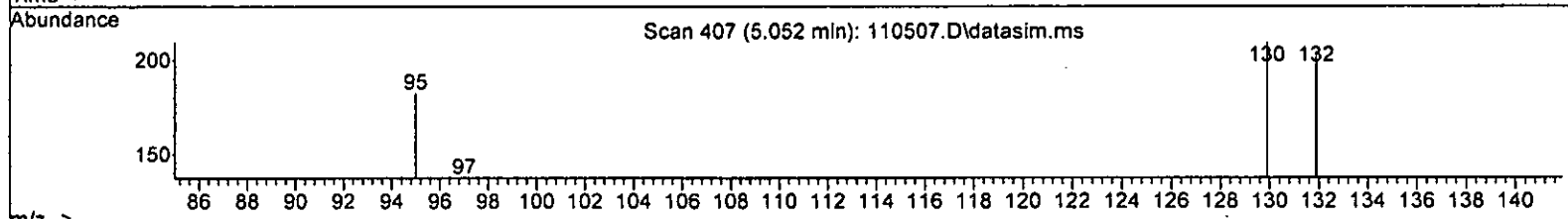
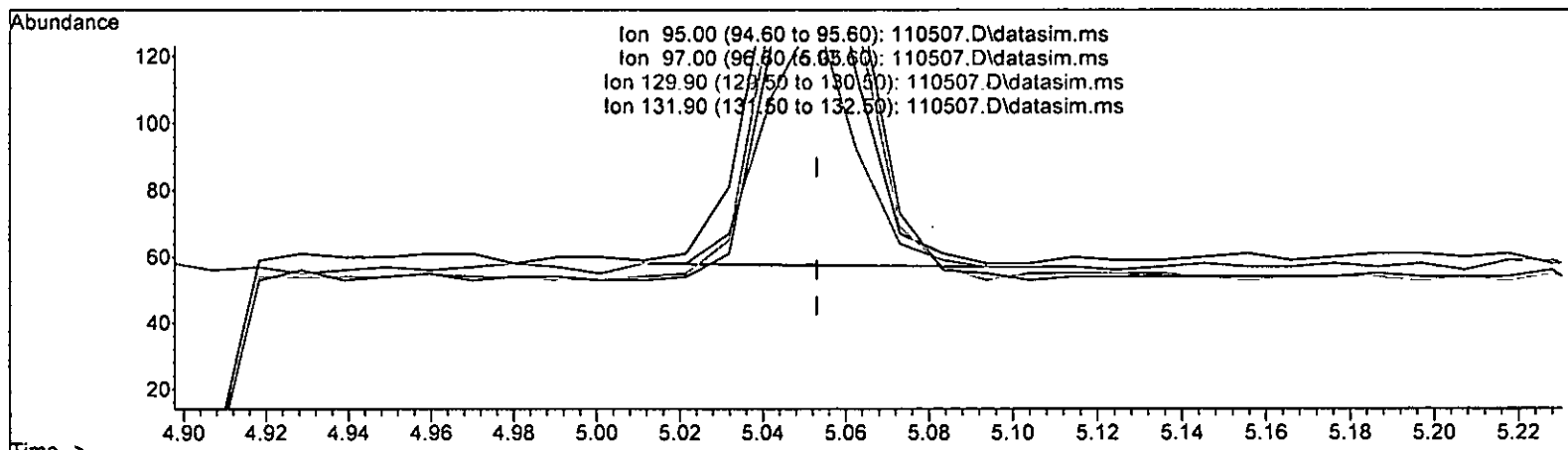
TIC: 110507.D\data.ms

(32) Trichloroethene (TMP)		
Time (min)	Response	Concentration (ppb)
5.052min (-0.001)	266	0.065 ppb
Ion	Exp%	Act%
95.00	100.00	100.00
97.00	64.60	64.52
129.90	103.40	125.00
131.90	95.80	121.77

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110507.D
 Acq On : 05 Nov 2022 11:57 am
 Operator : VM
 Sample : 0.04 ppb 8260 ICAL 67-177G
 Misc : soil/water
 ALS Vial : 3 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:11 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110507.D\data.ms

(32) Trichloroethene (TME)

5.052min (-0.001) 0.048 ppb m

response 196

Ion	Exp%	Act%
95.00	100.00	100.00
97.00	64.60	75.27
129.90	103.40	114.84
131.90	95.80	112.09

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110507.D
 Acq On : 05 Nov 2022 11:57 am
 Operator : VM
 Sample : 0.04 ppb 8260 ICAL 67-177G
 Misc : soil/water
 ALS Vial : 3 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:11 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	4.75	96	111750	10.000	ppb	0.00	
39) Chlorobenzene-d5	7.40	117	92506	10.000	ppb	0.00	
56) 1,4-Dichlorobenzene-d4	9.62	152	50709	10.000	ppb	0.00	
System Monitoring Compounds							
3) Dibromofluoromethane	4.17	113	33909	9.462	ppb	0.00	
Spiked Amount	10.000	Range	50 - 150	Recovery	=	94.60%	
30) 1,2-Dichloroethane-d4	4.45	102	7214	10.387	ppb	0.00	
Spiked Amount	10.000	Range	84 - 120	Recovery	=	103.90%	
35) Toluene-d8	6.10	98	105914	9.938	ppb	0.00	
Spiked Amount	10.000	Range	73 - 128	Recovery	=	99.40%	
57) 4-Bromofluorobenzene	8.51	95	37140	10.629	ppb	0.00	
Spiked Amount	10.000	Range	57 - 146	Recovery	=	106.30%	
Target Compounds							
							Qvalue
2) Ethanol	2.33	45	342	No Calib			
4) Dichlorodifluoromethane	0.00		0	N.D.	d		
5) Chloromethane	0.00		0	N.D.	d		
6] Vinyl chloride	1.34	62	214m	0.038	ppb		
7) Bromomethane	0.00		0	N.D.	d		
8) Chloroethane	0.00		0	N.D.	d		
9) Trichlorofluoromethane	0.00		0	N.D.	d		
10) 2-Propanol	0.00		0	N.D.	d		
11) Acetone	0.00		0	N.D.	d		
12] 1,1-Dichloroethene	2.26	96	133m	0.042	ppb		
13) Hexane	0.00		0	N.D.	d		
14) Methylene chloride	0.00		0	N.D.	d		
15) t-Butyl alcohol (TBA)	0.00		0	N.D.	d		
16] Methyl t-butyl ether (...)	2.93	73	299m	0.040	ppb		
17] trans-1,2-Dichloroethene	2.91	96	172	0.048	ppb		82
18) Diisopropyl ether (DIPE)	0.00		0	N.D.	d		
19] 1,1-Dichloroethane	3.27	63	221	0.043	ppb		94
20) Ethyl t-butyl ether (E...)	0.00		0	N.D.	d		
21) 2,2-Dichloropropane	0.00		0	N.D.	d		
22] cis-1,2-Dichloroethene	3.77	96	165	0.044	ppb		96
23) Chloroform	0.00		0	N.D.	d		
24) 2-Butanone (MEK)	0.00		0	N.D.	d		
25) t-Amyl methyl ether (T...)	0.00		0	N.D.	d		
26] 1,2-Dichloroethane (EDC)	4.52	62	408	0.051	ppb		94
27] 1,1,1-Trichloroethane	4.19	97	230	0.043	ppb		94
28) 1,1-Dichloropropene	0.00		0	N.D.	d		
29) Carbon tetrachloride	0.00		0	N.D.	d		
31] Benzene	4.50	78	637	0.051	ppb		99
32] Trichloroethene	5.05	95	196m	0.048	ppb		
33) 1,2-Dichloropropane	0.00		0	N.D.	d		
34) Bromodichloromethane	0.00		0	N.D.	d		
36) Dibromomethane	0.00		0	N.D.	d		

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110507.D
 Acq On : 05 Nov 2022 11:57 am
 Operator : VM
 Sample : 0.04 ppb 8260 ICAL 67-177G
 Misc : soil/water
 ALS Vial : 3 Sample Multiplier: 1
 InstName : GCMS13

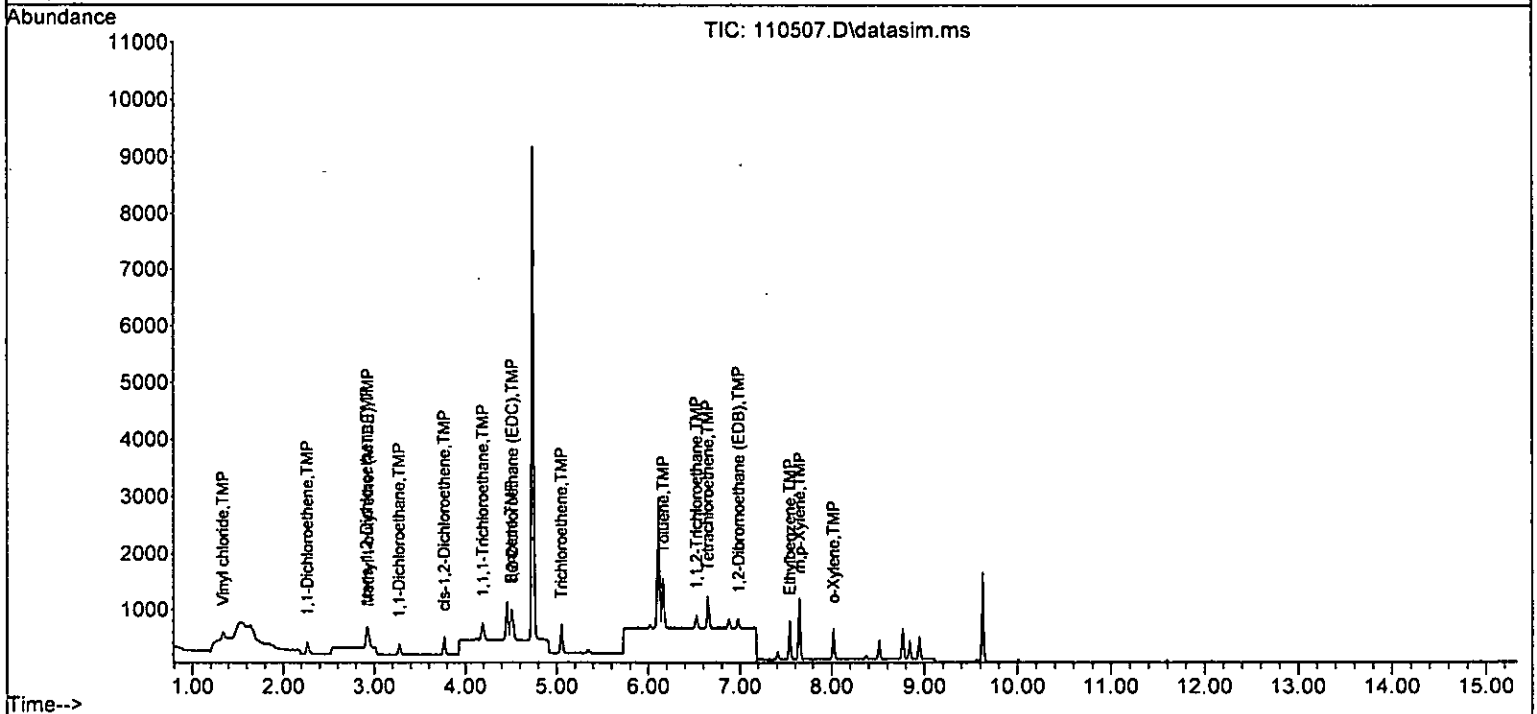
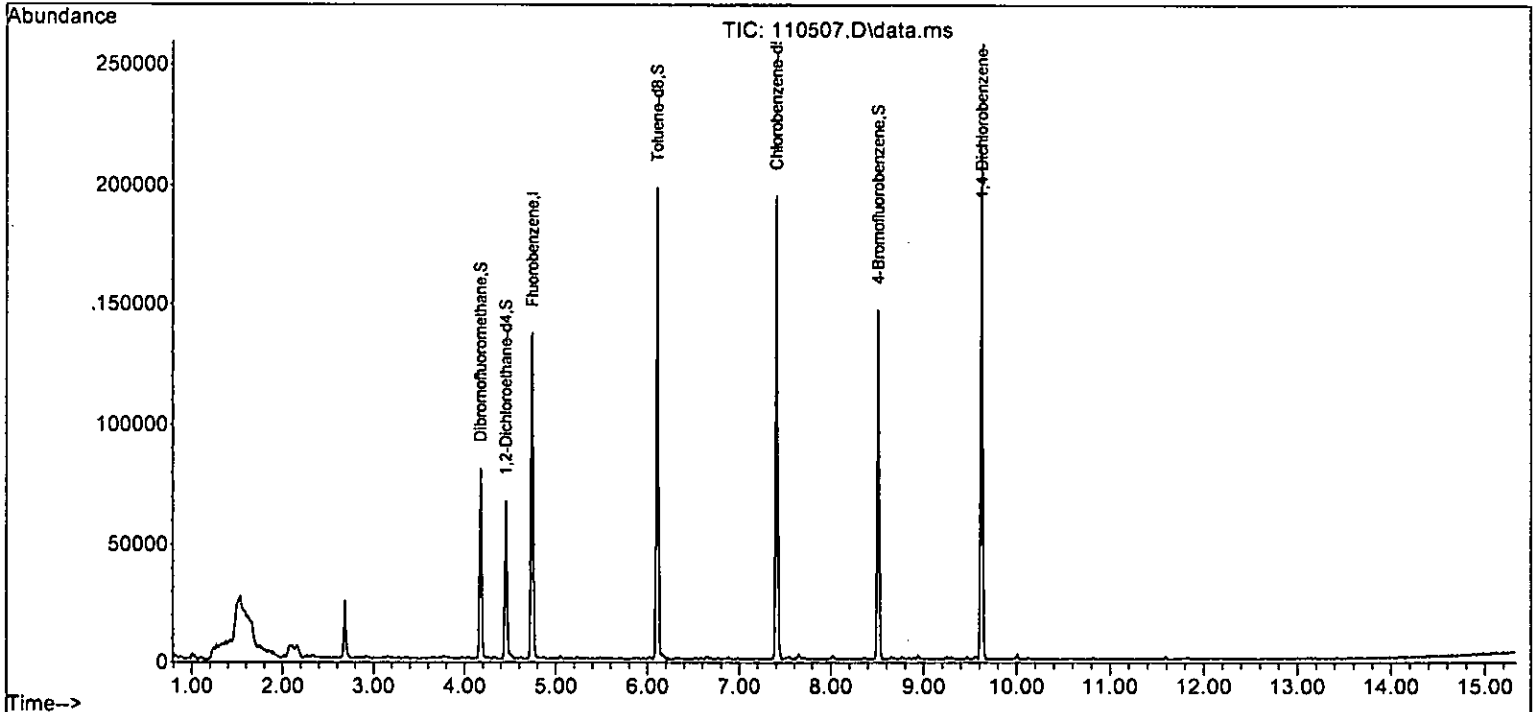
Quant Time: Nov 07 15:17:11 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.00		0	N.D.		
38) cis-1,3-Dichloropropene	0.00		0	N.D.	d	
40] Toluene	6.16	92	465	0.046	ppb	100
41) trans-1,3-Dichloropropene	0.00		0	N.D.	d	
42] 1,1,2-Trichloroethane	6.53	83	149	0.048	ppb	98
43) 2-Hexanone	0.00		0	N.D.	d	
44) 1,3-Dichloropropane	0.00		0	N.D.	d	
45] Tetrachloroethene	6.65	164	218	0.039	ppb	95
46) Dibromochloromethane	0.00		0	N.D.	d	
47] 1,2-Dibromoethane (EDB)	6.98	107	163	0.049	ppb	97
48) Chlorobenzene	0.00		0	N.D.	d	
49] Ethylbenzene	7.54	91	681	0.047	ppb	93
50) 1,1,1,2-Tetrachloroethane	0.00		0	N.D.	d	
51] m,p-Xylene	7.65	106	536	0.095	ppb	92
52] o-Xylene	8.02	106	249	0.046	ppb	86
53) Styrene	0.00		0	N.D.	d	
54) Isopropylbenzene	0.00		0	N.D.	d	
55) Bromoform	0.00		0	N.D.	d	
58) n-Propylbenzene	0.00		0	N.D.	d	
59) Bromobenzene	0.00		0	N.D.	d	
60) 1,3,5-Trimethylbenzene	0.00		0	N.D.	d	
61) 1,1,2,2-Tetrachloroethane	0.00		0	N.D.	d	
62) 1,2,3-Trichloropropane	0.00		0	N.D.	d	
63) 2-Chlorotoluene	0.00		0	N.D.	d	
64) 4-Chlorotoluene	0.00		0	N.D.	d	
65) tert-Butylbenzene	0.00		0	N.D.	d	
66) 1,2,4-Trimethylbenzene	0.00		0	N.D.	d	
67) sec-Butylbenzene	0.00		0	N.D.	d	
68) p-Isopropyltoluene	0.00		0	N.D.	d	
69) 1,3-Dichlorobenzene	0.00		0	N.D.	d	
70) 1,4-Dichlorobenzene	0.00		0	N.D.	d	
71) 1,2-Dichlorobenzene	0.00		0	N.D.	d	
72) 1,2-Dibromo-3-chloropr...	0.00		0	N.D.		
73) 1,2,4-Trichlorobenzene	0.00		0	N.D.	d	
74) Hexachlorobutadiene	0.00		0	N.D.	d	
75) Naphthalene	0.00		0	N.D.	d	
76) 1,2,3-Trichlorobenzene	0.00		0	N.D.	d	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110507.D
 Acq On : 05 Nov 2022 11:57 am
 Operator : VM
 Sample : 0.04 ppb 8260 ICAL 67-177G
 Misc : soil/water
 ALS Vial : 3 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:11 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110507.D
 Acq On : 05 Nov 2022 11:57 am
 Operator : VM
 Sample : 0.04 ppb 8260 ICAL 67-177G
 Misc : soil/water
 ALS Vial : 3 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:11 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 Qlast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I Fluorobenzene	10.000	10.000	0.0	100	0.00
2 TMP Ethanol	-1.000	0.000	0.0	0	0.00
3 S Dibromofluoromethane	10.000	9.462	5.4	100	0.00
4 TMP Dichlorodifluoromethane	-1.000	0.000	0.0	0	-1.12#
5 TMP Chloromethane	-1.000	0.000	0.0	0	-1.26#
6 TMP Vinyl chloride	0.040	0.038	5.0	83	0.00
7 TMP Bromomethane	-1.000	0.000	0.0	0	-1.58#
8 TMP Chloroethane	-1.000	0.000	0.0	0	-1.65#
9 TMP Trichlorofluoromethane	-1.000	0.000	0.0	0	-1.83#
10 TMP 2-Propanol	-1.000	0.000	0.0	0	-2.33#
11 TMP Acetone	-1.000	0.000	0.0	0	-2.33#
12 TMP 1,1-Dichloroethene	0.040	0.042	-5.0	88	-0.01
13 TMP Hexane	-1.000	0.000	0.0	0	-3.16#
14 TMP Methylene chloride	-1.000	0.000	0.0	0	-2.68#
15 TMP t-Butyl alcohol (TBA)	-1.000	0.000	0.0	0	-2.82#
16 TMP Methyl t-butyl ether (MTBE)	0.040	0.040	0.0	97	0.00
17 TMP trans-1,2-Dichloroethene	0.040	0.048	-20.0	100	-0.01
18 TMP Diisopropyl ether (DIPE)	-1.000	0.000	0.0	0	-3.35#
19 TMP 1,1-Dichloroethane	0.040	0.043	-7.5	100	0.00
20 TMP Ethyl t-butyl ether (ETBE)	-1.000	0.000	0.0	0	-3.66#
21 TMP 2,2-Dichloropropane	-1.000	0.000	0.0	0	-3.77#
22 TMP cis-1,2-Dichloroethene	0.040	0.044	-10.0	100	0.00
23 TMP Chloroform	-1.000	0.000	0.0	0	-4.04#
24 TMP 2-Butanone (MEK)	-1.000	0.000	0.0	0	-3.79#
25 TMP t-Amyl methyl ether (TAME)	-1.000	0.000	0.0	0	-4.61#
26 TMP 1,2-Dichloroethane (EDC)	0.040	0.051	-27.5#	107	-0.01
27 TMP 1,1,1-Trichloroethane	0.040	0.043	-7.5	100	0.00
28 TMP 1,1-Dichloropropene	-1.000	0.000	0.0	0	-4.33#
29 TMP Carbon tetrachloride	-1.000	0.000	0.0	0	-4.33#
30 S 1,2-Dichloroethane-d4	10.000	10.387	-3.9	100	0.00
31 TMP Benzene	0.040	0.051	-27.5#	100	0.00
32 TMP Trichloroethene	0.040	0.048	-20.0	102	0.00
33 TMP 1,2-Dichloropropane	-1.000	0.000	0.0	0	-5.24#
34 TMP Bromodichloromethane	-1.000	0.000	0.0	0	-5.48#
35 S Toluene-d8	10.000	9.938	0.6	100	0.00
36 TMP Dibromomethane	-1.000	0.000	0.0	0	-5.35#
37 TMP 4-Methyl-2-pentanone	-1.000	0.000	0.0	0	-6.03#
38 TMP cis-1,3-Dichloropropene	-1.000	0.000	0.0	0	-5.88#
39 I Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40 TMP Toluene	0.040	0.046	-15.0	100	0.00
41 TMP trans-1,3-Dichloropropene	-1.000	0.000	0.0	0	-6.36#
42 TMP 1,1,2-Trichloroethane	0.040	0.048	-20.0	100	0.00
43 TMP 2-Hexanone	-1.000	0.000	0.0	0	-6.76#

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110507.D
 Acq On : 05 Nov 2022 11:57 am
 Operator : VM
 Sample : 0.04 ppb 8260 ICAL 67-177G
 Misc : soil/water
 ALS Vial : 3 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:11 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	-1.000	0.000	0.0	0	-6.68#
45 TMP Tetrachloroethene	0.040	0.039	2.5	100	0.00
46 TMP Dibromochloromethane	-1.000	0.000	0.0	0	-6.88#
47 TMP 1,2-Dibromoethane (EDB)	0.040	0.049	-22.5#	100	0.00
48 TMP Chlorobenzene	-1.000	0.000	0.0	0	-7.43#
49 TMP Ethylbenzene	0.040	0.047	-17.5	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	-1.000	0.000	0.0	0	-7.51#
51 TMP m,p-Xylene	0.080	0.095	-18.8	100	0.00
52 TMP o-Xylene	0.040	0.046	-15.0	100	0.00
53 TMP Styrene	-1.000	0.000	0.0	0	-8.03#
54 TMP Isopropylbenzene	-1.000	0.000	0.0	0	-8.37#
55 TMP Bromoform	-1.000	0.000	0.0	0	-8.20#
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	10.000	10.629	-6.3	100	0.00
58 TMP n-Propylbenzene	-1.000	0.000	0.0	0	-8.77#
59 TMP Bromobenzene	-1.000	0.000	0.0	0	-8.65#
60 TMP 1,3,5-Trimethylbenzene	-1.000	0.000	0.0	0	-8.94#
61 TMP 1,1,2,2-Tetrachloroethane	-1.000	0.000	0.0	0	-8.65#
62 TMP 1,2,3-Trichloropropane	-1.000	0.000	0.0	0	-8.70#
63 TMP 2-Chlorotoluene	-1.000	0.000	0.0	0	-8.84#
64 TMP 4-Chlorotoluene	-1.000	0.000	0.0	0	-8.95#
65 TMP tert-Butylbenzene	-1.000	0.000	0.0	0	-9.25#
66 TMP 1,2,4-Trimethylbenzene	-1.000	0.000	0.0	0	-9.30#
67 TMP sec-Butylbenzene	-1.000	0.000	0.0	0	-9.46#
68 TMP p-Isopropyltoluene	-1.000	0.000	0.0	0	-9.61#
69 TMP 1,3-Dichlorobenzene	-1.000	0.000	0.0	0	-9.56#
70 TMP 1,4-Dichlorobenzene	-1.000	0.000	0.0	0	-9.64#
71 TMP 1,2-Dichlorobenzene	-1.000	0.000	0.0	0	-10.01#
72 TMP 1,2-Dibromo-3-chloropropane	-1.000	0.000	0.0	0	-10.78#
73 TMP 1,2,4-Trichlorobenzene	-1.000	0.000	0.0	0	-11.59#
74 TMP Hexachlorobutadiene	-1.000	0.000	0.0	0	-11.77#
75 TMP Naphthalene	-1.000	0.000	0.0	0	-11.84#
76 TMP 1,2,3-Trichlorobenzene	-1.000	0.000	0.0	0	-12.08#

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110507.D
 Acq On : 05 Nov 2022 11:57 am
 Operator : VM
 Sample : 0.04 ppb 8260 ICAL 67-177G
 Misc : soil/water
 ALS Vial : 3 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:11 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2 TMP	Ethanol	0.000	0.000#	0.0	0#	0.00
3 S	Dibromofluoromethane	0.321	0.303	5.6	100	0.00
4 TMP	Dichlorodifluoromethane	0.800	0.000#	100.0#	0#	-1.12#
5 TMP	Chloromethane	0.488	0.000#	100.0#	0#	-1.26#
6 TMP	Vinyl chloride	0.510	0.479	6.1	83	0.00
7 TMP	Bromomethane	0.432	0.000#	100.0#	0#	-1.58#
8 TMP	Chloroethane	0.229	0.000#	100.0#	0#	-1.65#
9 TMP	Trichlorofluoromethane	1.123	0.000#	100.0#	0#	-1.83#
10 TMP	2-Propanol	0.000	0.000	0.0	0#	-2.33#
11 TMP	Acetone	0.029	0.000#	100.0#	0#	-2.33#
12 TMP	1,1-Dichloroethene	0.285	0.298	-4.6	88	-0.01
13 TMP	Hexane	0.323	0.000#	100.0#	0#	-3.16#
14 TMP	Methylene chloride	0.289	0.000#	100.0#	0#	-2.68#
15 TMP	t-Butyl alcohol (TBA)	0.024	0.000#	100.0#	0#	-2.82#
16 TMP	Methyl t-butyl ether (MTBE)	0.666	0.669	-0.5	97	0.00
17 TMP	trans-1,2-Dichloroethene	0.318	0.385	-21.1#	100	-0.01
18 TMP	Diisopropyl ether (DIPE)	0.698	0.000#	100.0#	0#	-3.35#
19 TMP	1,1-Dichloroethane	0.463	0.494	-6.7	100	0.00
20 TMP	Ethyl t-butyl ether (ETBE)	0.258	0.000#	100.0#	0#	-3.66#
21 TMP	2,2-Dichloropropane	0.258	0.000#	100.0#	0#	-3.77#
22 TMP	cis-1,2-Dichloroethene	0.333	0.369	-10.8	100	0.00
23 TMP	Chloroform	0.539	0.000#	100.0#	0#	-4.04#
24 TMP	2-Butanone (MEK)	0.132	0.000#	100.0#	0#	-3.79#
25 TMP	t-Amyl methyl ether (TAME)	0.540	0.000#	100.0#	0#	-4.61#
26 TMP	1,2-Dichloroethane (EDC)	0.465	0.913	-96.3#	107	-0.01
27 TMP	1,1,1-Trichloroethane	0.482	0.515	-6.8	100	0.00
28 TMP	1,1-Dichloropropene	0.370	0.000#	100.0#	0#	-4.33#
29 TMP	Carbon tetrachloride	0.485	0.000#	100.0#	0#	-4.33#
30 S	1,2-Dichloroethane-d4	0.062	0.065	-4.8	100	0.00
31 TMP	Benzene	1.118	1.425	-27.5#	100	0.00
32 TMP	Trichloroethene	0.367	0.438	-19.3	102	0.00
33 TMP	1,2-Dichloropropane	0.241	0.000#	100.0#	0#	-5.24#
34 TMP	Bromodichloromethane	0.387	0.000#	100.0#	0#	-5.48#
35 S	Toluene-d8	0.954	0.948	0.6	100	0.00
36 TMP	Dibromomethane	0.219	0.000#	100.0#	0#	-5.35#
37 TMP	4-Methyl-2-pentanone	0.042	0.000#	100.0#	0#	-6.03#
38 TMP	cis-1,3-Dichloropropene	0.360	0.000#	100.0#	0#	-5.88#
39 I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40 TMP	Toluene	0.907	1.257	-38.6#	100	0.00
41 TMP	trans-1,3-Dichloropropene	0.366	0.000#	100.0#	0#	-6.36#
42 TMP	1,1,2-Trichloroethane	0.285	0.403	-41.4#	100	0.00
43 TMP	2-Hexanone	0.190	0.000#	100.0#	0#	-6.76#

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110507.D
 Acq On : 05 Nov 2022 11:57 am
 Operator : VM
 Sample : 0.04 ppb 8260 ICAL 67-177G
 Misc : soil/water
 ALS Vial : 3 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:11 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.457	0.000#	100.0#	0#	-6.68#
45 TMP Tetrachloroethene	0.460	0.589	-28.0#	100	0.00
46 TMP Dibromochloromethane	0.451	0.000#	100.0#	0#	-6.88#
47 TMP 1,2-Dibromoethane (EDB)	0.360	0.441	-22.5#	100	0.00
48 TMP Chlorobenzene	0.993	0.000#	100.0#	0#	-7.43#
49 TMP Ethylbenzene	1.557	1.840	-18.2	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.387	0.000#	100.0#	0#	-7.51#
51 TMP m,p-Xylene	0.612	0.724	-18.3	100	0.00
52 TMP o-Xylene	0.591	0.673	-13.9	100	0.00
53 TMP Styrene	0.887	0.000#	100.0#	0#	-8.03#
54 TMP Isopropylbenzene	1.435	0.000#	100.0#	0#	-8.37#
55 TMP Bromoform	0.299	0.000#	100.0#	0#	-8.20#
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	0.689	0.732	-6.2	100	0.00
58 TMP n-Propylbenzene	2.700	0.000#	100.0#	0#	-8.77#
59 TMP Bromobenzene	0.837	0.000#	100.0#	0#	-8.65#
60 TMP 1,3,5-Trimethylbenzene	1.968	0.000#	100.0#	0#	-8.94#
61 TMP 1,1,2,2-Tetrachloroethane	0.626	0.000#	100.0#	0#	-8.65#
62 TMP 1,2,3-Trichloropropane	0.486	0.000#	100.0#	0#	-8.70#
63 TMP 2-Chlorotoluene	1.617	0.000#	100.0#	0#	-8.84#
64 TMP 4-Chlorotoluene	1.912	0.000#	100.0#	0#	-8.95#
65 TMP tert-Butylbenzene	1.952	0.000#	100.0#	0#	-9.25#
66 TMP 1,2,4-Trimethylbenzene	1.996	0.000#	100.0#	0#	-9.30#
67 TMP sec-Butylbenzene	2.624	0.000#	100.0#	0#	-9.46#
68 TMP p-Isopropyltoluene	2.387	0.000#	100.0#	0#	-9.61#
69 TMP 1,3-Dichlorobenzene	1.530	0.000#	100.0#	0#	-9.56#
70 TMP 1,4-Dichlorobenzene	1.564	0.000#	100.0#	0#	-9.64#
71 TMP 1,2-Dichlorobenzene	1.455	0.000#	100.0#	0#	-10.01#
72 TMP 1,2-Dibromo-3-chloropropane	0.108	0.000#	100.0#	0#	-10.78#
73 TMP 1,2,4-Trichlorobenzene	0.971	0.000#	100.0#	0#	-11.59#
74 TMP Hexachlorobutadiene	0.600	0.000#	100.0#	0#	-11.77#
75 TMP Naphthalene	1.833	0.000#	100.0#	0#	-11.84#
76 TMP 1,2,3-Trichlorobenzene	0.846	0.000#	100.0#	0#	-12.08#

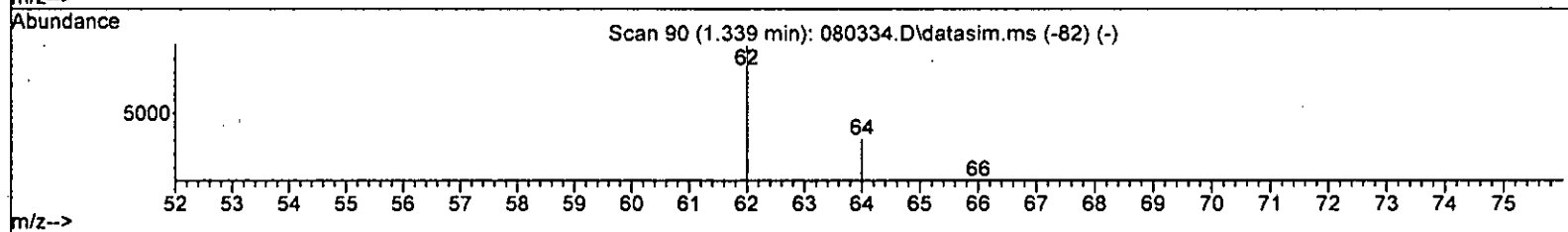
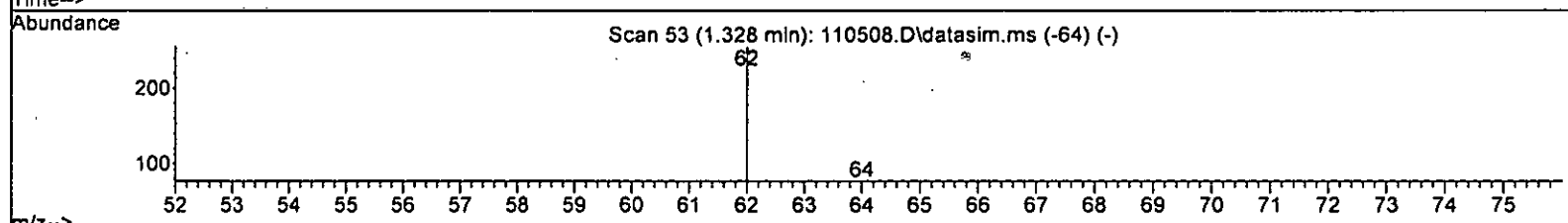
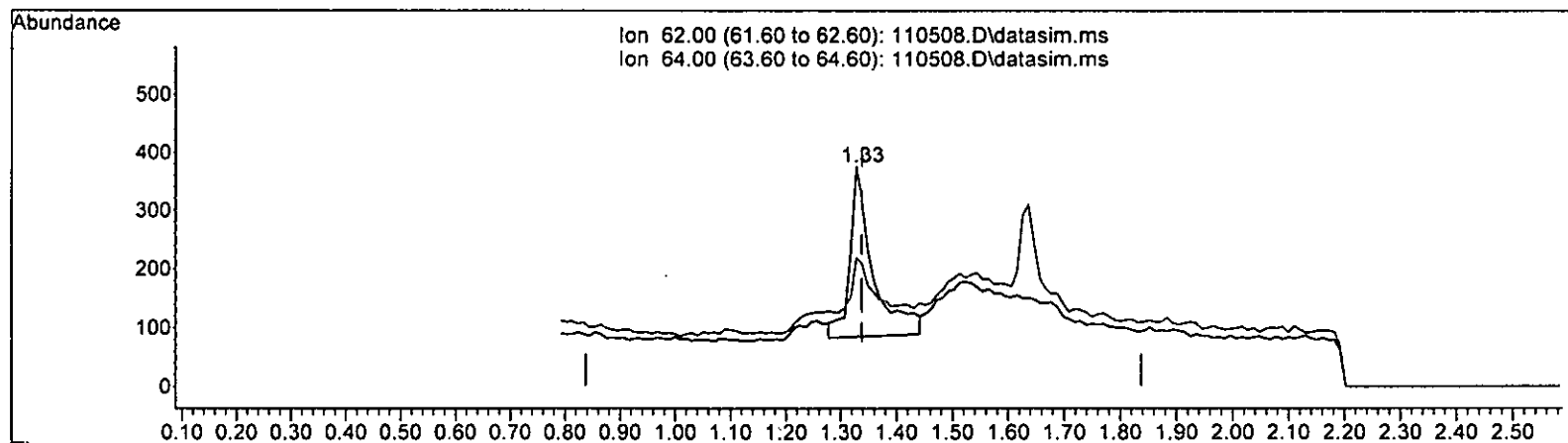
(#) = Out of Range

SPCC's out = 51 CCC's out = 0

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110508.D
 Acq On : 05 Nov 2022 12:20 pm
 Operator : VM
 Sample : 0.1 ppb 8260 ICAL 67-177H
 Misc : soil/water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:13 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110508.D\data.ms

(6) Vinyl chloride (TMP)

1.328min (-0.010) 0.148 ppb

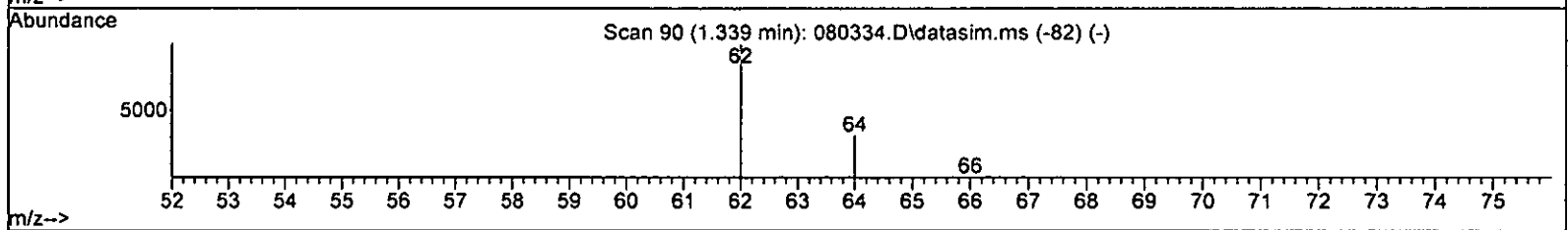
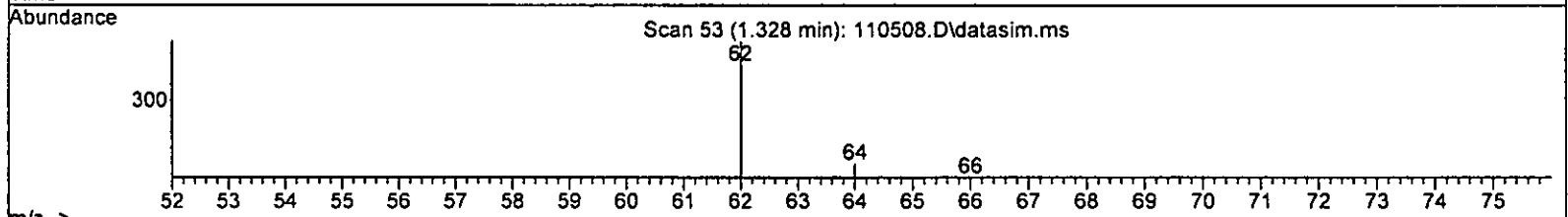
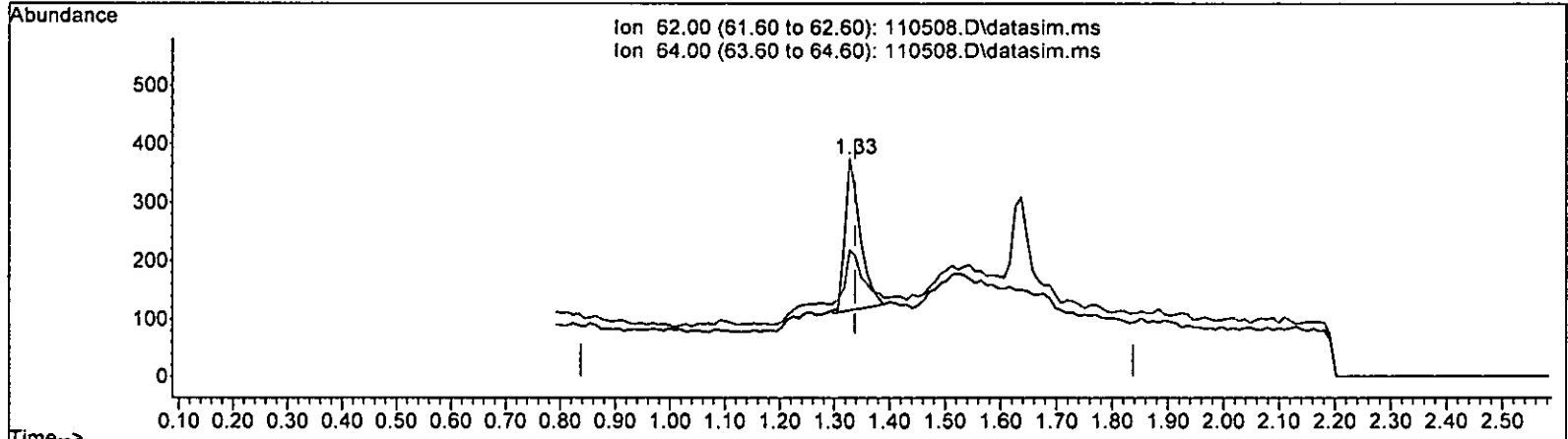
response 825

Ion	Exp%	Act%
62.00	100.00	100.00
64.00	34.40	34.08
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110508.D
 Acq On : 05 Nov 2022 12:20 pm
 Operator : VM
 Sample : 0.1 ppb 8260 ICAL 67-177H
 Misc : soil/water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:13 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110508.D\data.ms

(6) Vinyl chloride (TMP)

1.328min (-0.010) 0.089 ppb m

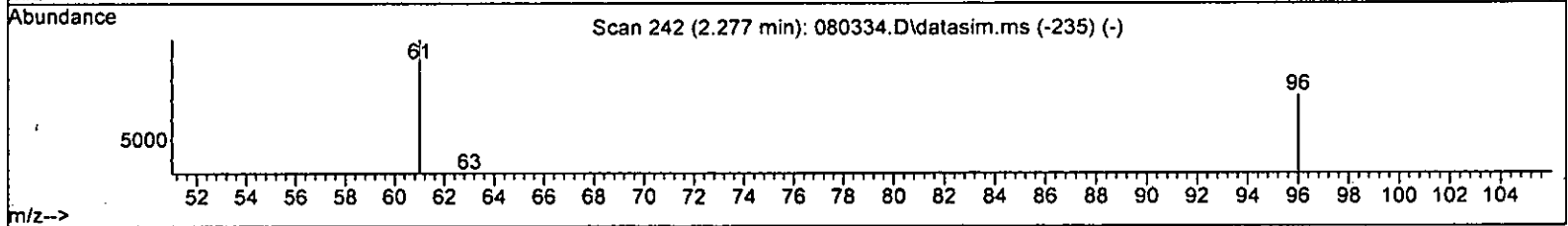
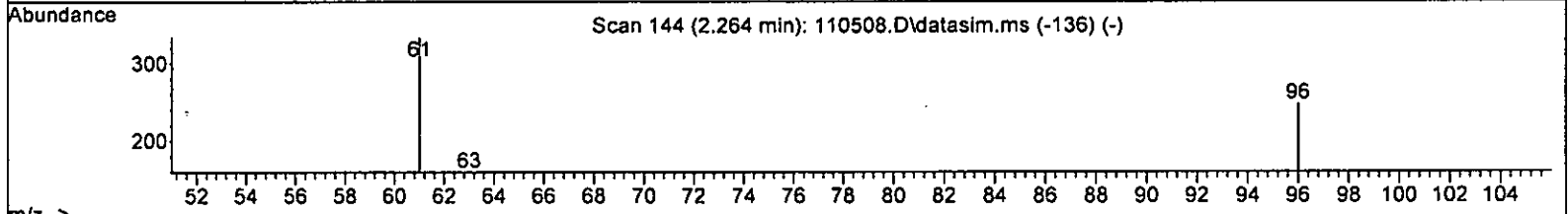
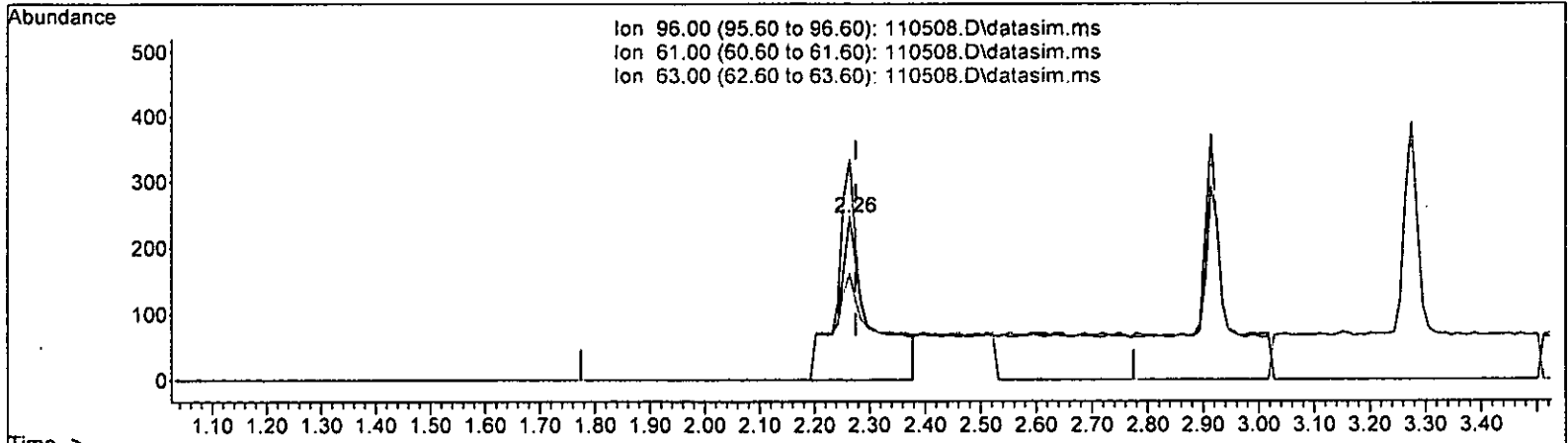
response 497

Ion	Exp%	Act%
62.00	100.00	100.00
64.00	34.40	58.40
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110508.D
 Acq On : 05 Nov 2022 12:20 pm
 Operator : VM
 Sample : 0.1 ppb 8260 ICAL 67-177H
 Misc : soil/water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:13 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110508.D\data.ms

(12) 1,1-Dichloroethene (TMP)

2.264min (-0.011) 0.342 ppb

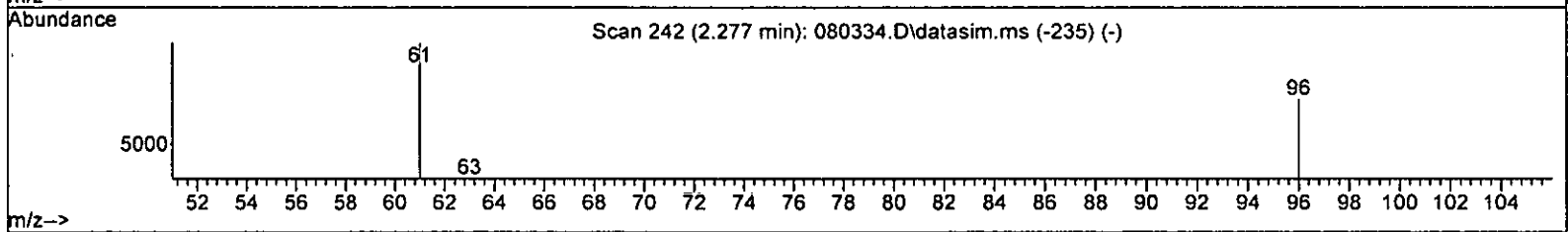
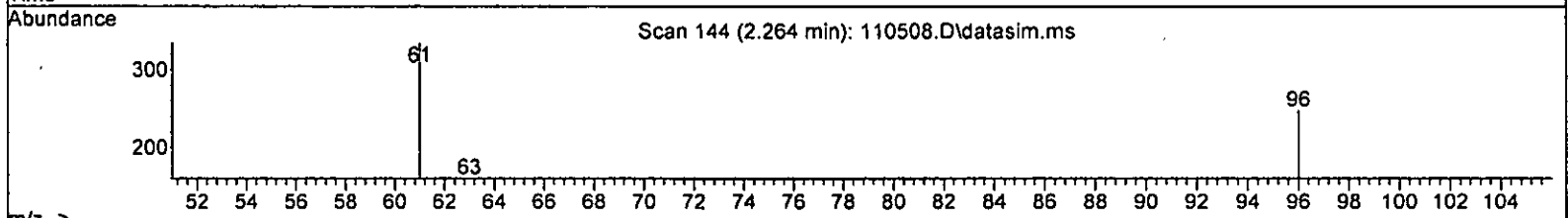
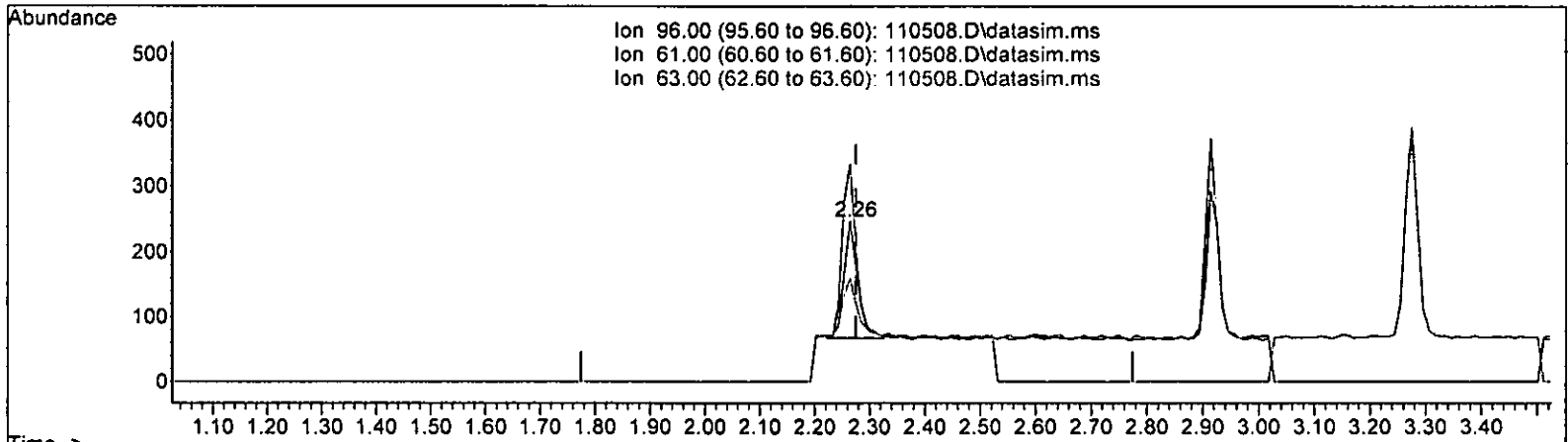
response 1066

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	120.90	135.22
63.00	43.90	64.78
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110508.D
 Acq On : 05 Nov 2022 12:20 pm
 Operator : VM
 Sample : 0.1 ppb 8260 ICAL 67-177H
 Misc : soil/water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:13 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110508.D\data.ms

(12) 1,1-Dichloroethene (TMP)

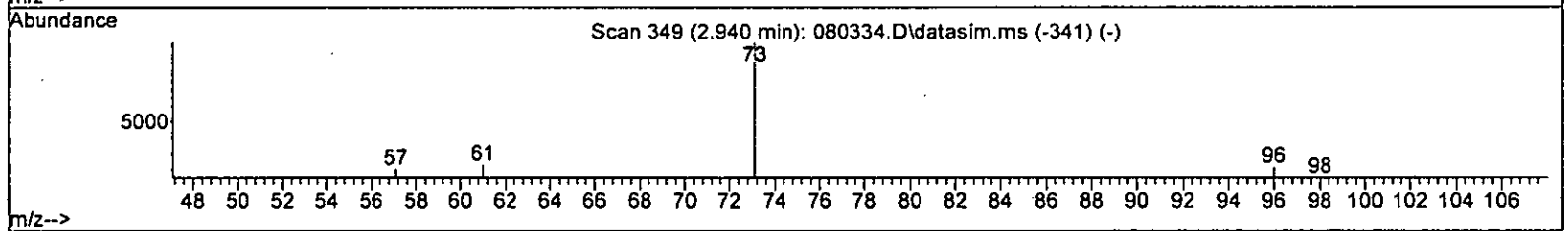
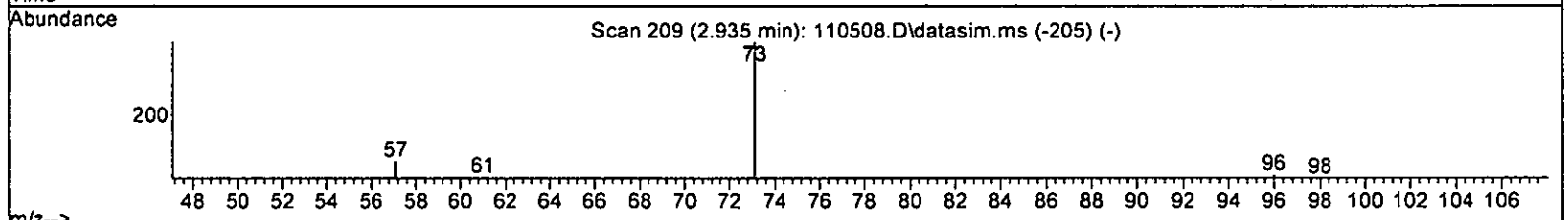
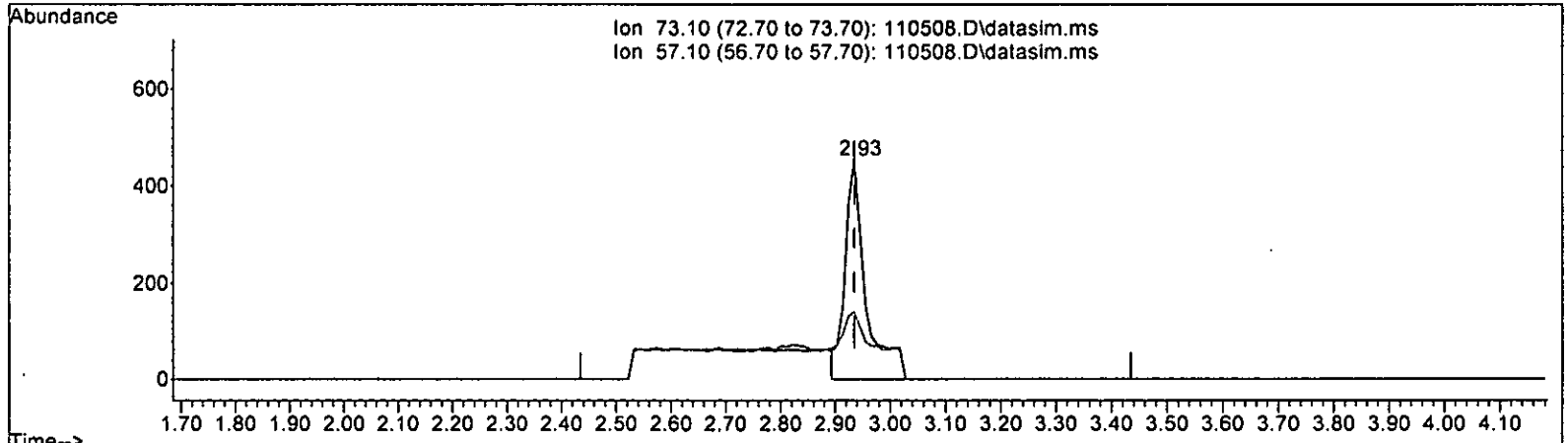
2.264min (-0.011) 0.100 ppb m

response	312	
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	120.90	135.22
63.00	43.90	64.78
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110508.D
 Acq On : 05 Nov 2022 12:20 pm
 Operator : VM
 Sample : 0.1 ppb 8260 ICAL 67-177H
 Misc : soil/water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:13 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110508.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

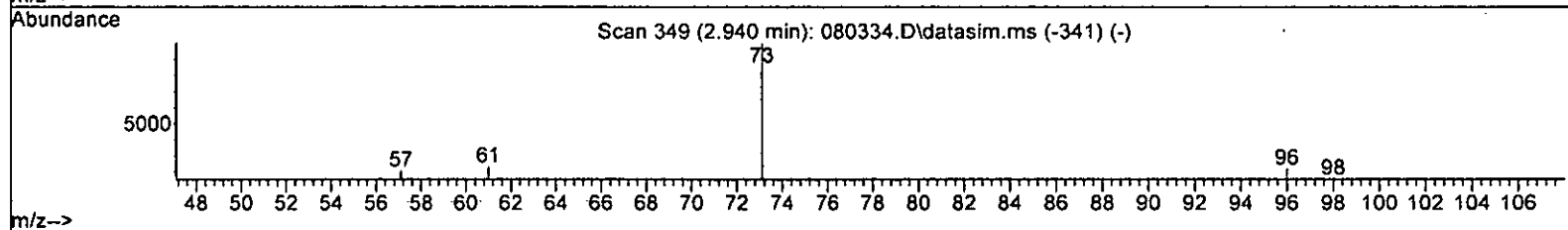
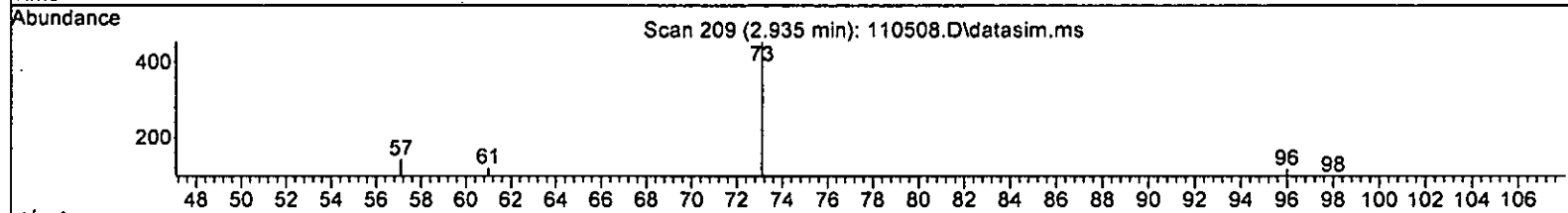
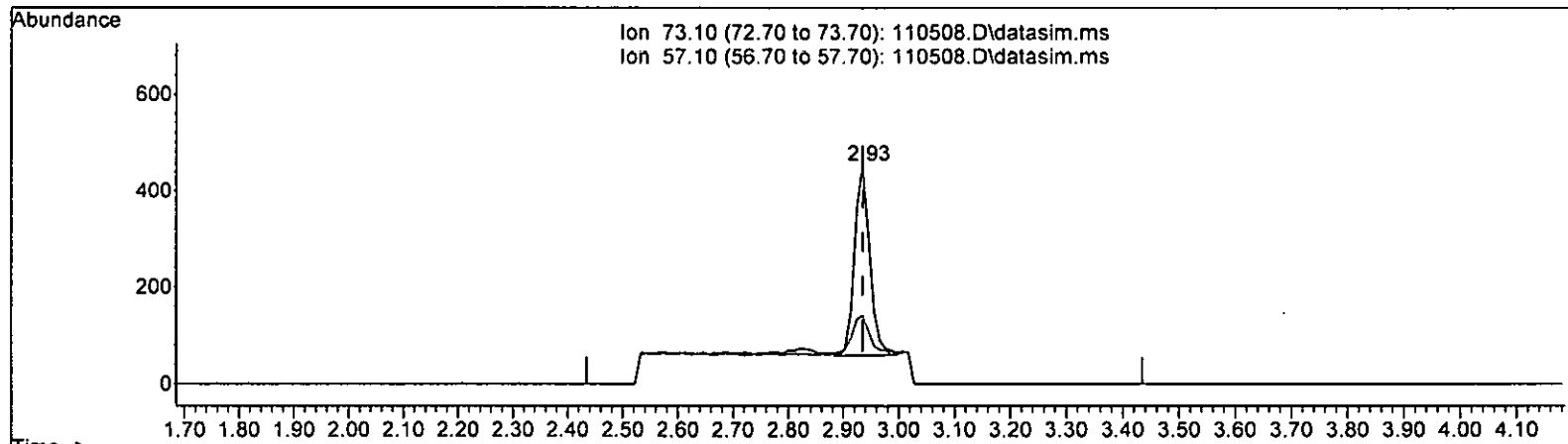
2.935min (-0.000) 0.163 ppb

response	1187	
Ion	Exp%	Act%
73.10	100.00	100.00
57.10	19.40	31.13
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110508.D
 Acq On : 05 Nov 2022 12:20 pm
 Operator : VM
 Sample : 0.1 ppb 8260 ICAL 67-177H
 Misc : soil/water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:13 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110508.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

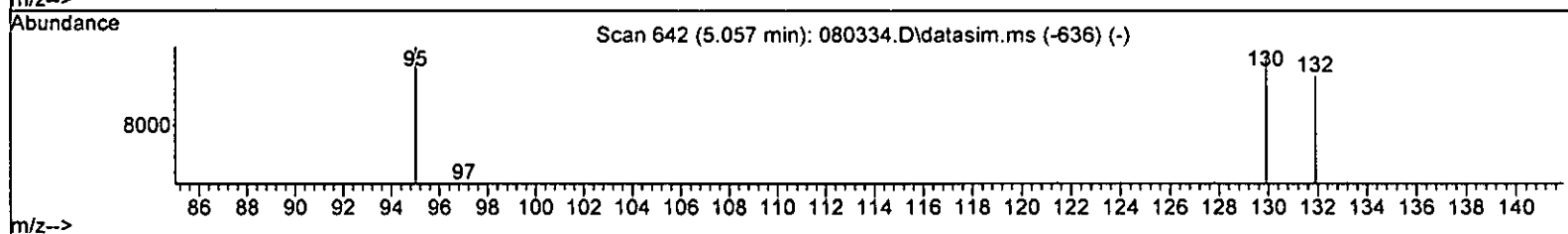
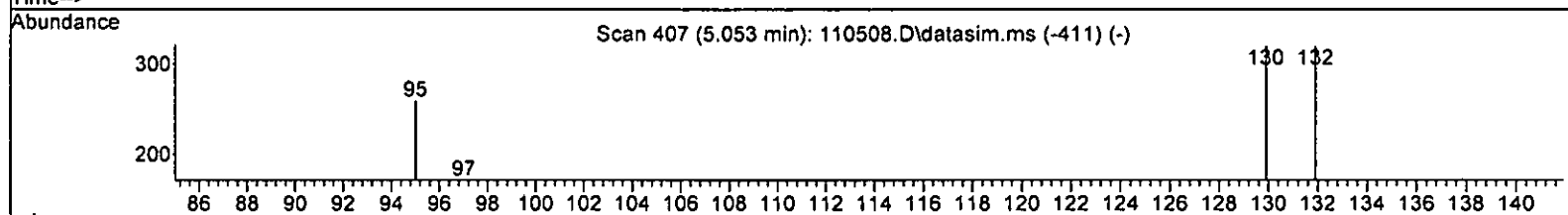
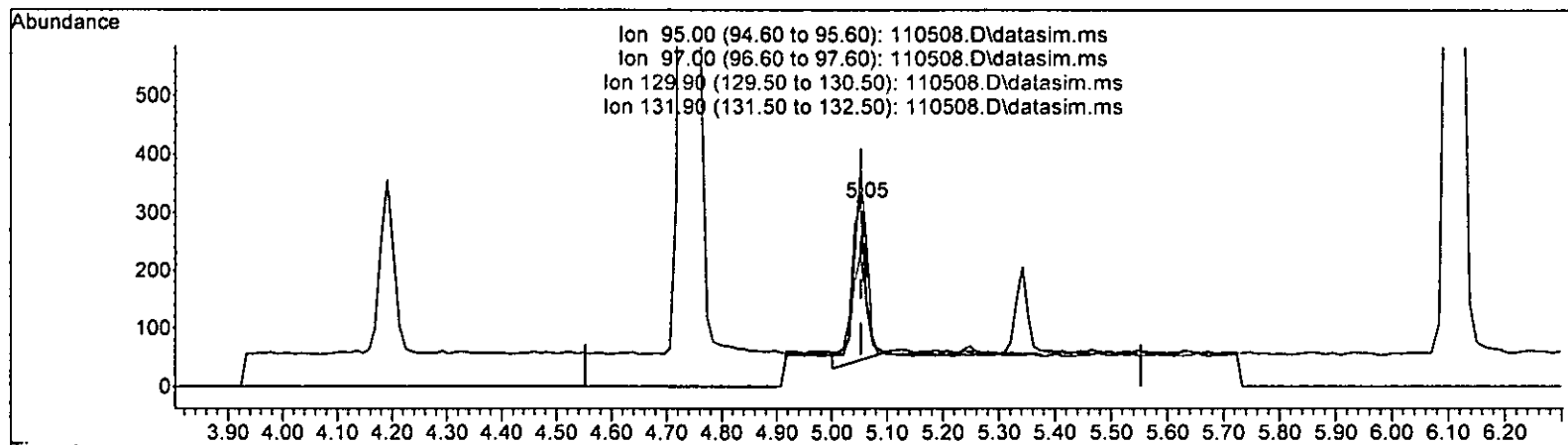
2.935min (-0.000) 0.102 ppb m

response	741
Ion	Exp% Act%
73.10	100.00 100.00
57.10	19.40 31.13
0.00	0.00 0.00
0.00	0.00 0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110508.D
 Acq On : 05 Nov 2022 12:20 pm
 Operator : VM
 Sample : 0.1 ppb 8260 ICAL 67-177H
 Misc : soil/water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:13 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



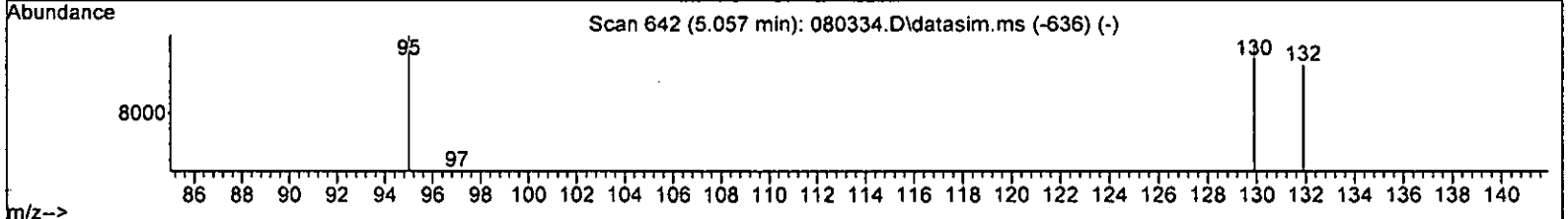
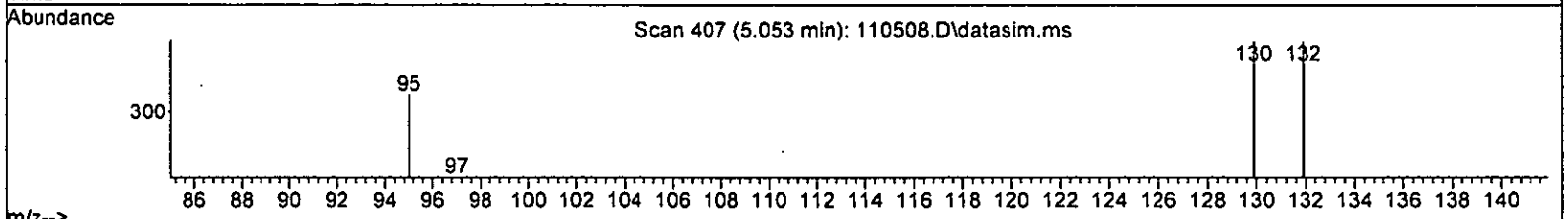
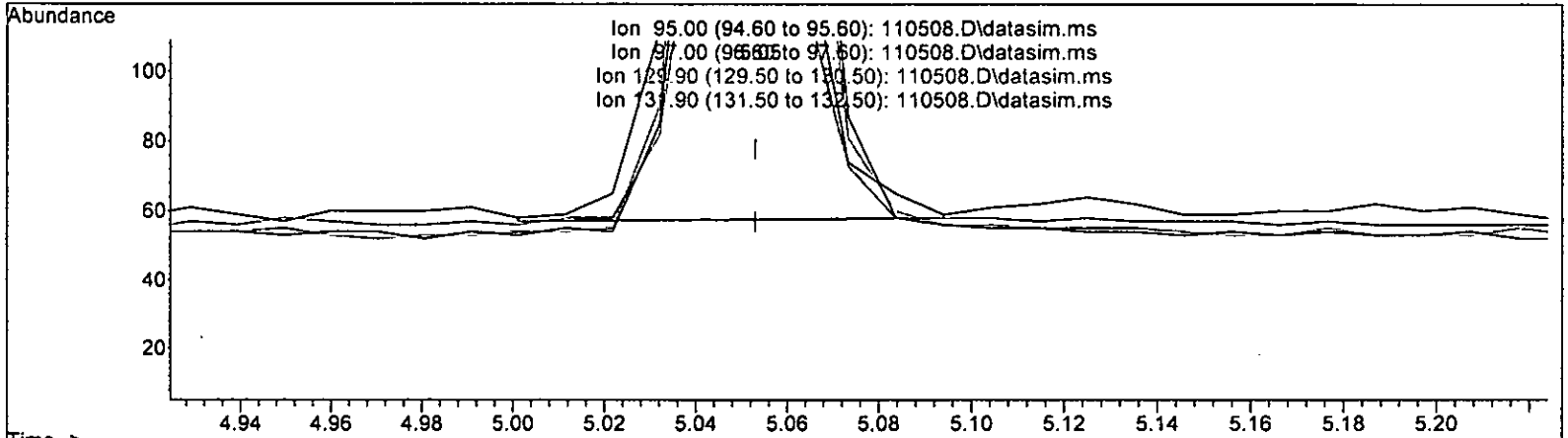
TIC: 110508.D\data.ms

(32) Trichloroethene (TME)		
Ion	Exp%	Act%
5.053min (-0.000)	0.121 ppb	
response	484	
Ion	Exp%	Act%
95.00	100.00	100.00
97.00	64.60	66.54
129.90	103.40	123.85
131.90	95.80	123.85

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110508.D
 Acq On : 05 Nov 2022 12:20 pm
 Operator : VM
 Sample : 0.1 ppb 8260 ICAL 67-177H
 Misc : soil/water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:13 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110508.D\data.ms.

(32) Trichloroethene (TPE)

5.053min (-0.000) 0.102 ppb m

response 411

Ion	Exp%	Act%
95.00	100.00	100.00
97.00	64.60	72.01
129.90	103.40	118.24
131.90	95.80	117.92

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110508.D
 Acq On : 05 Nov 2022 12:20 pm
 Operator : VM
 Sample : 0.1 ppb 8260 ICAL 67-177H
 Misc : soil/water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:13 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	4.73	96	109470	10.000	ppb	-0.01	
39) Chlorobenzene-d5	7.40	117	90583	10.000	ppb	0.00	
56) 1,4-Dichlorobenzene-d4	9.62	152	50314	10.000	ppb	0.00	
System Monitoring Compounds							
3) Dibromofluoromethane	4.18	113	35688	10.166	ppb	0.00	
Spiked Amount	10.000	Range	50 - 150	Recovery	=	101.70%	
30) 1,2-Dichloroethane-d4	4.45	102	7083	10.411	ppb	0.00	
Spiked Amount	10.000	Range	84 - 120	Recovery	=	104.10%	
35) Toluene-d8	6.11	98	104488	10.008	ppb	0.00	
Spiked Amount	10.000	Range	73 - 128	Recovery	=	100.10%	
57) 4-Bromofluorobenzene	8.51	95	36575	10.550	ppb	0.00	
Spiked Amount	10.000	Range	57 - 146	Recovery	=	105.50%	
Target Compounds							
							Qvalue
2) Ethanol	2.34	45	221	No Calib			
4) Dichlorodifluoromethane	0.00		0	N.D.	d		
5) Chloromethane	0.00		0	N.D.	d		
6] Vinyl chloride	1.33	62	497m	0.089	ppb		
7) Bromomethane	0.00		0	N.D.	d		
8) Chloroethane	0.00		0	N.D.	d		
9) Trichlorofluoromethane	0.00		0	N.D.	d		
10) 2-Propanol	0.00		0	N.D.	d		
11) Acetone	0.00		0	N.D.	d		
12] 1,1-Dichloroethene	2.26	96	312m	0.100	ppb		
13) Hexane	0.00		0	N.D.	d		
14) Methylene chloride	0.00		0	N.D.	d		
15) t-Butyl alcohol (TBA)	0.00		0	N.D.	d		
16] Methyl t-butyl ether (...)	2.93	73	741m	0.102	ppb		
17] trans-1,2-Dichloroethene	2.91	96	356	0.102	ppb		82
18) Diisopropyl ether (DIPE)	0.00		0	N.D.	d		
19] 1,1-Dichloroethane	3.27	63	521	0.103	ppb		97
20) Ethyl t-butyl ether (E...)	0.00		0	N.D.	d		
21) 2,2-Dichloropropane	0.00		0	N.D.	d		
22] cis-1,2-Dichloroethene	3.77	96	375	0.103	ppb		97
23) Chloroform	0.00		0	N.D.	d		
24) 2-Butanone (MEK)	0.00		0	N.D.	d		
25) t-Amyl methyl ether (T...)	0.00		0	N.D.	d		
26] 1,2-Dichloroethane (EDC)	4.52	62	601	0.096	ppb		93
27] 1,1,1-Trichloroethane	4.19	97	516	0.098	ppb		93
28) 1,1-Dichloropropene	0.00		0	N.D.	d		
29) Carbon tetrachloride	0.00		0	N.D.	d		
31] Benzene	4.50	78	1279	0.104	ppb		99
32] Trichloroethene	5.05	95	411m	0.102	ppb		
33) 1,2-Dichloropropane	0.00		0	N.D.	d		
34) Bromodichloromethane	0.00		0	N.D.	d		
36) Dibromomethane	0.00		0	N.D.	d		

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110508.D
 Acq On : 05 Nov 2022 12:20 pm
 Operator : VM
 Sample : 0.1 ppb 8260 ICAL 67-177H
 Misc : soil/water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

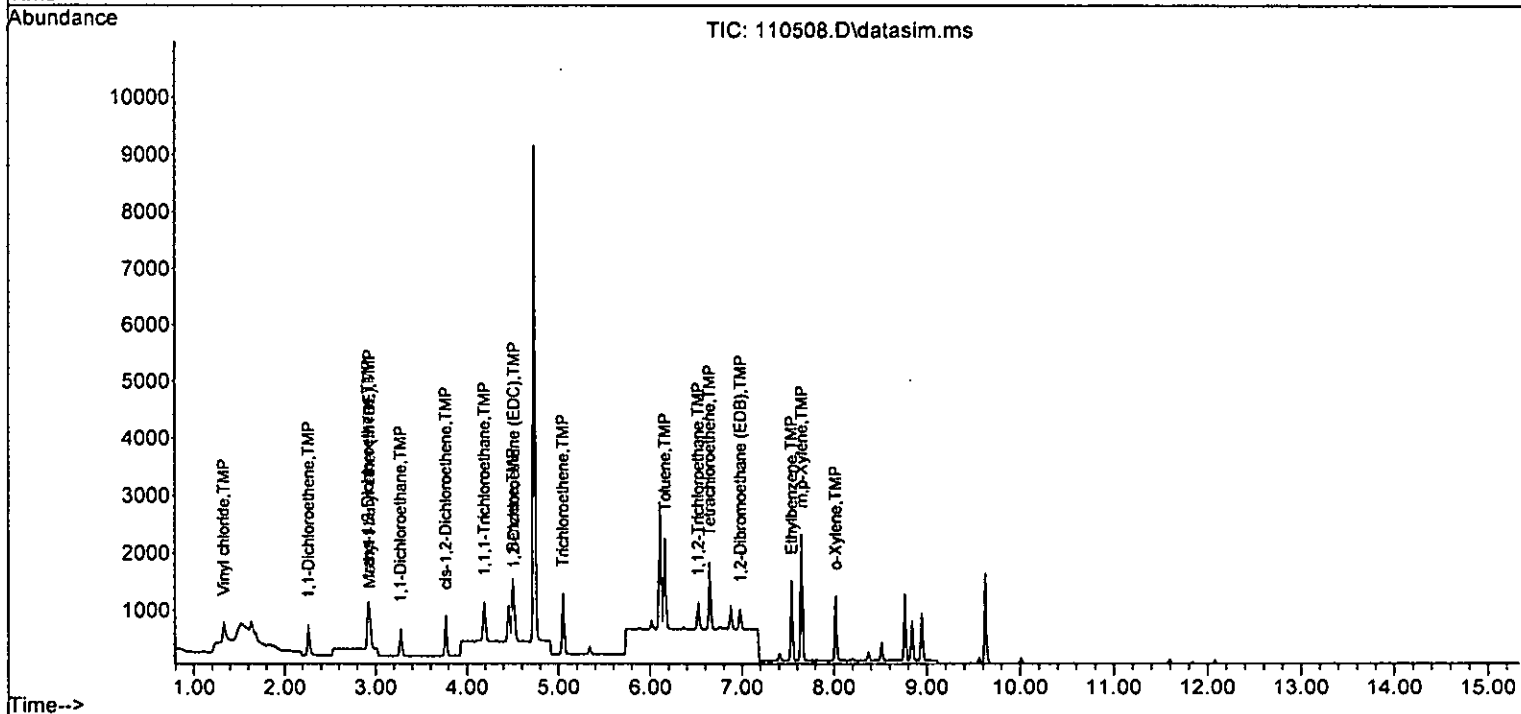
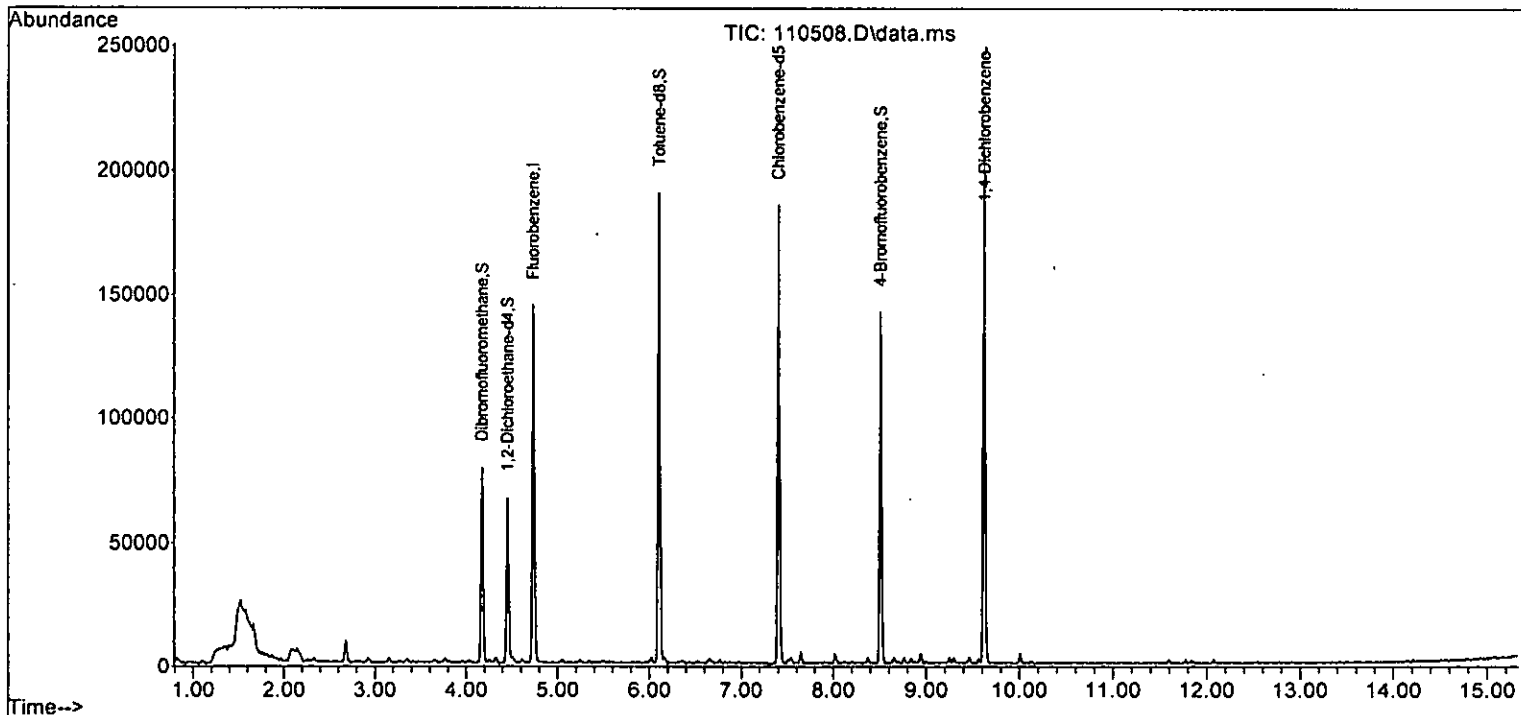
Quant Time: Nov 07 15:17:13 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.00		0	N.D.	d	
38) cis-1,3-Dichloropropene	0.00		0	N.D.	d	
40] Toluene	6.16	92	862	0.102	ppb	99
41) trans-1,3-Dichloropropene	0.00		0	N.D.	d	
42] 1,1,2-Trichloroethane	6.53	83	254	0.094	ppb	87
43) 2-Hexanone	0.00		0	N.D.	d	
44) 1,3-Dichloropropane	0.00		0	N.D.	d	
45] Tetrachloroethene	6.65	164	432	0.101	ppb	95
46) Dibromochloromethane	0.00		0	N.D.	d	
47] 1,2-Dibromoethane (EDB)	6.98	107	312	0.096	ppb	95
48) Chlorobenzene	0.00		0	N.D.	d	
49] Ethylbenzene	7.54	91	1419	0.101	ppb	94
50) 1,1,1,2-Tetrachloroethane	0.00		0	N.D.	d	
51] m,p-Xylene	7.65	106	1086	0.196	ppb	89
52] o-Xylene	8.02	106	541	0.101	ppb	85
53) Styrene	0.00		0	N.D.	d	
54) Isopropylbenzene	0.00		0	N.D.	d	
55) Bromoform	0.00		0	N.D.	d	
58) n-Propylbenzene	0.00		0	N.D.	d	
59) Bromobenzene	0.00		0	N.D.	d	
60) 1,3,5-Trimethylbenzene	0.00		0	N.D.	d	
61) 1,1,2,2-Tetrachloroethane	0.00		0	N.D.	d	
62) 1,2,3-Trichloropropane	0.00		0	N.D.	d	
63) 2-Chlorotoluene	0.00		0	N.D.	d	
64) 4-Chlorotoluene	0.00		0	N.D.	d	
65) tert-Butylbenzene	0.00		0	N.D.	d	
66) 1,2,4-Trimethylbenzene	0.00		0	N.D.	d	
67) sec-Butylbenzene	0.00		0	N.D.	d	
68) p-Isopropyltoluene	0.00		0	N.D.	d	
69) 1,3-Dichlorobenzene	0.00		0	N.D.	d	
70) 1,4-Dichlorobenzene	0.00		0	N.D.	d	
71) 1,2-Dichlorobenzene	0.00		0	N.D.	d	
72) 1,2-Dibromo-3-chloropr...	0.00		0	N.D.	d	
73) 1,2,4-Trichlorobenzene	0.00		0	N.D.	d	
74) Hexachlorobutadiene	0.00		0	N.D.	d	
75) Naphthalene	0.00		0	N.D.	d	
76) 1,2,3-Trichlorobenzene	0.00		0	N.D.	d	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110508.D
 Acq On : 05 Nov 2022 12:20 pm
 Operator : VM
 Sample : 0.1 ppb 8260 ICAL 67-177H
 Misc : soil/water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:13 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110508.D
 Acq On : 05 Nov 2022 12:20 pm
 Operator : VM
 Sample : 0.1 ppb 8260 ICAL 67-177H
 Misc : soil/water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:13 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I Fluorobenzene	10.000	10.000	0.0	100	-0.01
2 TMP Ethanol	-1.000	0.000	0.0	0	0.01
3 S Dibromofluoromethane	10.000	10.166	-1.7	100	0.00
4 TMP Dichlorodifluoromethane	-1.000	0.000	0.0	0	-1.12#
5 TMP Chloromethane	-1.000	0.000	0.0	0	-1.26#
6 TMP Vinyl chloride	0.100	0.089	11.0	96	-0.01
7 TMP Bromomethane	-1.000	0.000	0.0	0	-1.58#
8 TMP Chloroethane	-1.000	0.000	0.0	0	-1.65#
9 TMP Trichlorofluoromethane	-1.000	0.000	0.0	0	-1.83#
10 TMP 2-Propanol	-1.000	0.000	0.0	0	-2.33#
11 TMP Acetone	-1.000	0.000	0.0	0	-2.33#
12 TMP 1,1-Dichloroethene	0.100	0.100	0.0	100	-0.01
13 TMP Hexane	-1.000	0.000	0.0	0	-3.16#
14 TMP Methylene chloride	-1.000	0.000	0.0	0	-2.68#
15 TMP t-Butyl alcohol (TBA)	-1.000	0.000	0.0	0	-2.82#
16 TMP Methyl t-butyl ether (MTBE)	0.100	0.102	-2.0	98	0.00
17 TMP trans-1,2-Dichloroethene	0.100	0.102	-2.0	100	-0.01
18 TMP Diisopropyl ether (DIPE)	-1.000	0.000	0.0	0	-3.35#
19 TMP 1,1-Dichloroethane	0.100	0.103	-3.0	100	0.00
20 TMP Ethyl t-butyl ether (ETBE)	-1.000	0.000	0.0	0	-3.66#
21 TMP 2,2-Dichloropropane	-1.000	0.000	0.0	0	-3.77#
22 TMP cis-1,2-Dichloroethene	0.100	0.103	-3.0	100	0.00
23 TMP Chloroform	-1.000	0.000	0.0	0	-4.04#
24 TMP 2-Butanone (MEK)	-1.000	0.000	0.0	0	-3.79#
25 TMP t-Amyl methyl ether (TAME)	-1.000	0.000	0.0	0	-4.61#
26 TMP 1,2-Dichloroethane (EDC)	0.100	0.096	4.0	108	-0.01
27 TMP 1,1,1-Trichloroethane	0.100	0.098	2.0	100	0.00
28 TMP 1,1-Dichloropropene	-1.000	0.000	0.0	0	-4.33#
29 TMP Carbon tetrachloride	-1.000	0.000	0.0	0	-4.33#
30 S 1,2-Dichloroethane-d4	10.000	10.411	-4.1	100	0.00
31 TMP Benzene	0.100	0.104	-4.0	100	0.00
32 TMP Trichloroethene	0.100	0.102	-2.0	96	0.00
33 TMP 1,2-Dichloropropane	-1.000	0.000	0.0	0	-5.24#
34 TMP Bromodichloromethane	-1.000	0.000	0.0	0	-5.48#
35 S Toluene-d8	10.000	10.008	-0.1	100	0.00
36 TMP Dibromomethane	-1.000	0.000	0.0	0	-5.35#
37 TMP 4-Methyl-2-pentanone	-1.000	0.000	0.0	0	-6.03#
38 TMP cis-1,3-Dichloropropene	-1.000	0.000	0.0	0	-5.88#
39 I Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40 TMP Toluene	0.100	0.102	-2.0	100	0.00
41 TMP trans-1,3-Dichloropropene	-1.000	0.000	0.0	0	-6.36#
42 TMP 1,1,2-Trichloroethane	0.100	0.094	6.0	100	0.00
43 TMP 2-Hexanone	-1.000	0.000	0.0	0	-6.76#

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110508.D
 Acq On : 05 Nov 2022 12:20 pm
 Operator : VM
 Sample : 0.1 ppb 8260 ICAL 67-177H
 Misc : soil/water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:13 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	-1.000	0.000	0.0	0	-6.68#
45 TMP Tetrachloroethene	0.100	0.101	-1.0	100	0.00
46 TMP Dibromochloromethane	-1.000	0.000	0.0	0	-6.88#
47 TMP 1,2-Dibromoethane (EDB)	0.100	0.096	4.0	100	0.00
48 TMP Chlorobenzene	-1.000	0.000	0.0	0	-7.43#
49 TMP Ethylbenzene	0.100	0.101	-1.0	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	-1.000	0.000	0.0	0	-7.51#
51 TMP m,p-Xylene	0.200	0.196	2.0	100	0.00
52 TMP o-Xylene	0.100	0.101	-1.0	100	0.00
53 TMP Styrene	-1.000	0.000	0.0	0	-8.03#
54 TMP Isopropylbenzene	-1.000	0.000	0.0	0	-8.37#
55 TMP Bromoform	-1.000	0.000	0.0	0	-8.20#
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	10.000	10.550	-5.5	100	0.00
58 TMP n-Propylbenzene	-1.000	0.000	0.0	0	-8.77#
59 TMP Bromobenzene	-1.000	0.000	0.0	0	-8.65#
60 TMP 1,3,5-Trimethylbenzene	-1.000	0.000	0.0	0	-8.94#
61 TMP 1,1,2,2-Tetrachloroethane	-1.000	0.000	0.0	0	-8.65#
62 TMP 1,2,3-Trichloropropane	-1.000	0.000	0.0	0	-8.70#
63 TMP 2-Chlorotoluene	-1.000	0.000	0.0	0	-8.84#
64 TMP 4-Chlorotoluene	-1.000	0.000	0.0	0	-8.95#
65 TMP tert-Butylbenzene	-1.000	0.000	0.0	0	-9.25#
66 TMP 1,2,4-Trimethylbenzene	-1.000	0.000	0.0	0	-9.30#
67 TMP sec-Butylbenzene	-1.000	0.000	0.0	0	-9.46#
68 TMP p-Isopropyltoluene	-1.000	0.000	0.0	0	-9.61#
69 TMP 1,3-Dichlorobenzene	-1.000	0.000	0.0	0	-9.56#
70 TMP 1,4-Dichlorobenzene	-1.000	0.000	0.0	0	-9.64#
71 TMP 1,2-Dichlorobenzene	-1.000	0.000	0.0	0	-10.01#
72 TMP 1,2-Dibromo-3-chloropropane	-1.000	0.000	0.0	0	-10.78#
73 TMP 1,2,4-Trichlorobenzene	-1.000	0.000	0.0	0	-11.59#
74 TMP Hexachlorobutadiene	-1.000	0.000	0.0	0	-11.77#
75 TMP Naphthalene	-1.000	0.000	0.0	0	-11.84#
76 TMP 1,2,3-Trichlorobenzene	-1.000	0.000	0.0	0	-12.08#

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110508.D
 Acq On : 05 Nov 2022 12:20 pm
 Operator : VM
 Sample : 0.1 ppb 8260 ICAL 67-177H
 Misc : soil/water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:13 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I Fluorobenzene	1.000	1.000	0.0	100	-0.01
2 TMP Ethanol	0.000	0.000#	0.0	0#	0.01
3 S Dibromofluoromethane	0.321	0.326	-1.6	100	0.00
4 TMP Dichlorodifluoromethane	0.800	0.000#	100.0#	0#	-1.12#
5 TMP Chloromethane	0.488	0.000#	100.0#	0#	-1.26#
6 TMP Vinyl chloride	0.510	0.454	11.0	96	-0.01
7 TMP Bromomethane	0.432	0.000#	100.0#	0#	-1.58#
8 TMP Chloroethane	0.229	0.000#	100.0#	0#	-1.65#
9 TMP Trichlorofluoromethane	1.123	0.000#	100.0#	0#	-1.83#
10 TMP 2-Propanol	0.000	0.000	0.0	0#	-2.33#
11 TMP Acetone	0.029	0.000#	100.0#	0#	-2.33#
12 TMP 1,1-Dichloroethene	0.285	0.285	0.0	100	-0.01
13 TMP Hexane	0.323	0.000#	100.0#	0#	-3.16#
14 TMP Methylene chloride	0.289	0.000#	100.0#	0#	-2.68#
15 TMP t-Butyl alcohol (TBA)	0.024	0.000#	100.0#	0#	-2.82#
16 TMP Methyl t-butyl ether (MTBE)	0.666	0.677	-1.7	98	0.00
17 TMP trans-1,2-Dichloroethene	0.318	0.325	-2.2	100	-0.01
18 TMP Diisopropyl ether (DIPE)	0.698	0.000#	100.0#	0#	-3.35#
19 TMP 1,1-Dichloroethane	0.463	0.476	-2.8	100	0.00
20 TMP Ethyl t-butyl ether (ETBE)	0.258	0.000#	100.0#	0#	-3.66#
21 TMP 2,2-Dichloropropane	0.258	0.000#	100.0#	0#	-3.77#
22 TMP cis-1,2-Dichloroethene	0.333	0.343	-3.0	100	0.00
23 TMP Chloroform	0.539	0.000#	100.0#	0#	-4.04#
24 TMP 2-Butanone (MEK)	0.132	0.000#	100.0#	0#	-3.79#
25 TMP t-Amyl methyl ether (TAME)	0.540	0.000#	100.0#	0#	-4.61#
26 TMP 1,2-Dichloroethane (EDC)	0.465	0.549	-18.1	108	-0.01
27 TMP 1,1,1-Trichloroethane	0.482	0.471	2.3	100	0.00
28 TMP 1,1-Dichloropropene	0.370	0.000#	100.0#	0#	-4.33#
29 TMP Carbon tetrachloride	0.485	0.000#	100.0#	0#	-4.33#
30 S 1,2-Dichloroethane-d4	0.062	0.065	-4.8	100	0.00
31 TMP Benzene	1.118	1.168	-4.5	100	0.00
32 TMP Trichloroethene	0.367	0.375	-2.2	96	0.00
33 TMP 1,2-Dichloropropane	0.241	0.000#	100.0#	0#	-5.24#
34 TMP Bromodichloromethane	0.387	0.000#	100.0#	0#	-5.48#
35 S Toluene-d8	0.954	0.954	0.0	100	0.00
36 TMP Dibromomethane	0.219	0.000#	100.0#	0#	-5.35#
37 TMP 4-Methyl-2-pentanone	0.042	0.000#	100.0#	0#	-6.03#
38 TMP cis-1,3-Dichloropropene	0.360	0.000#	100.0#	0#	-5.88#
39 I Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40 TMP Toluene	0.907	0.952	-5.0	100	0.00
41 TMP trans-1,3-Dichloropropene	0.366	0.000#	100.0#	0#	-6.36#
42 TMP 1,1,2-Trichloroethane	0.285	0.280	1.8	100	0.00
43 TMP 2-Hexanone	0.190	0.000#	100.0#	0#	-6.76#

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110508.D
 Acq On : 05 Nov 2022 12:20 pm
 Operator : VM
 Sample : 0.1 ppb 8260 ICAL 67-177H
 Misc : soil/water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:13 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.457	0.000#	100.0#	0#	-6.68#
45 TMP Tetrachloroethene	0.460	0.477	-3.7	100	0.00
46 TMP Dibromochloromethane	0.451	0.000#	100.0#	0#	-6.88#
47 TMP 1,2-Dibromoethane (EDB)	0.360	0.344	4.4	100	0.00
48 TMP Chlorobenzene	0.993	0.000#	100.0#	0#	-7.43#
49 TMP Ethylbenzene	1.557	1.567	-0.6	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.387	0.000#	100.0#	0#	-7.51#
51 TMP m,p-Xylene	0.612	0.599	2.1	100	0.00
52 TMP o-Xylene	0.591	0.597	-1.0	100	0.00
53 TMP Styrene	0.887	0.000#	100.0#	0#	-8.03#
54 TMP Isopropylbenzene	1.435	0.000#	100.0#	0#	-8.37#
55 TMP Bromoform	0.299	0.000#	100.0#	0#	-8.20#
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	0.689	0.727	-5.5	100	0.00
58 TMP n-Propylbenzene	2.700	0.000#	100.0#	0#	-8.77#
59 TMP Bromobenzene	0.837	0.000#	100.0#	0#	-8.65#
60 TMP 1,3,5-Trimethylbenzene	1.968	0.000#	100.0#	0#	-8.94#
61 TMP 1,1,2,2-Tetrachloroethane	0.626	0.000#	100.0#	0#	-8.65#
62 TMP 1,2,3-Trichloropropane	0.486	0.000#	100.0#	0#	-8.70#
63 TMP 2-Chlorotoluene	1.617	0.000#	100.0#	0#	-8.84#
64 TMP 4-Chlorotoluene	1.912	0.000#	100.0#	0#	-8.95#
65 TMP tert-Butylbenzene	1.952	0.000#	100.0#	0#	-9.25#
66 TMP 1,2,4-Trimethylbenzene	1.996	0.000#	100.0#	0#	-9.30#
67 TMP sec-Butylbenzene	2.624	0.000#	100.0#	0#	-9.46#
68 TMP p-Isopropyltoluene	2.387	0.000#	100.0#	0#	-9.61#
69 TMP 1,3-Dichlorobenzene	1.530	0.000#	100.0#	0#	-9.56#
70 TMP 1,4-Dichlorobenzene	1.564	0.000#	100.0#	0#	-9.64#
71 TMP 1,2-Dichlorobenzene	1.455	0.000#	100.0#	0#	-10.01#
72 TMP 1,2-Dibromo-3-chloropropane	0.108	0.000#	100.0#	0#	-10.78#
73 TMP 1,2,4-Trichlorobenzene	0.971	0.000#	100.0#	0#	-11.59#
74 TMP Hexachlorobutadiene	0.600	0.000#	100.0#	0#	-11.77#
75 TMP Naphthalene	1.833	0.000#	100.0#	0#	-11.84#
76 TMP 1,2,3-Trichlorobenzene	0.846	0.000#	100.0#	0#	-12.08#

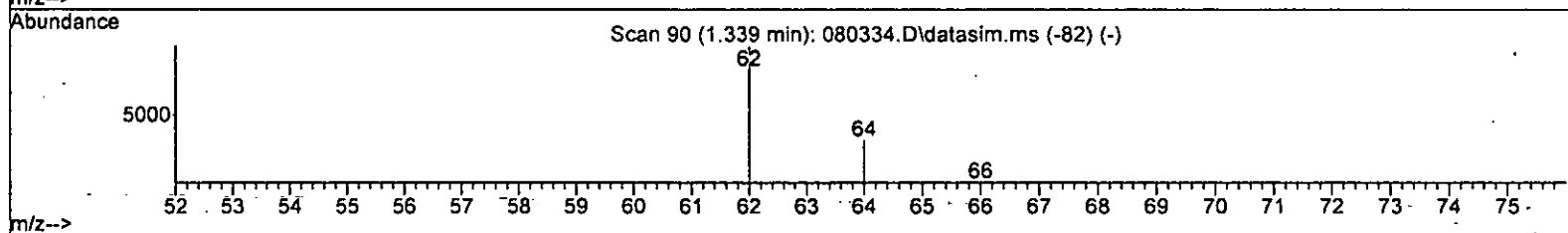
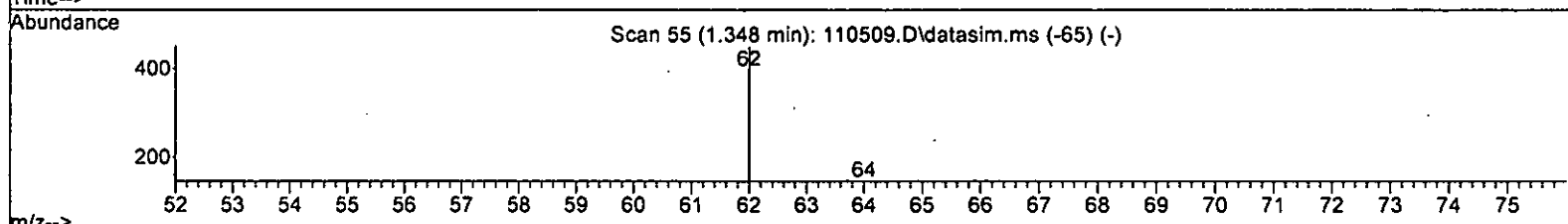
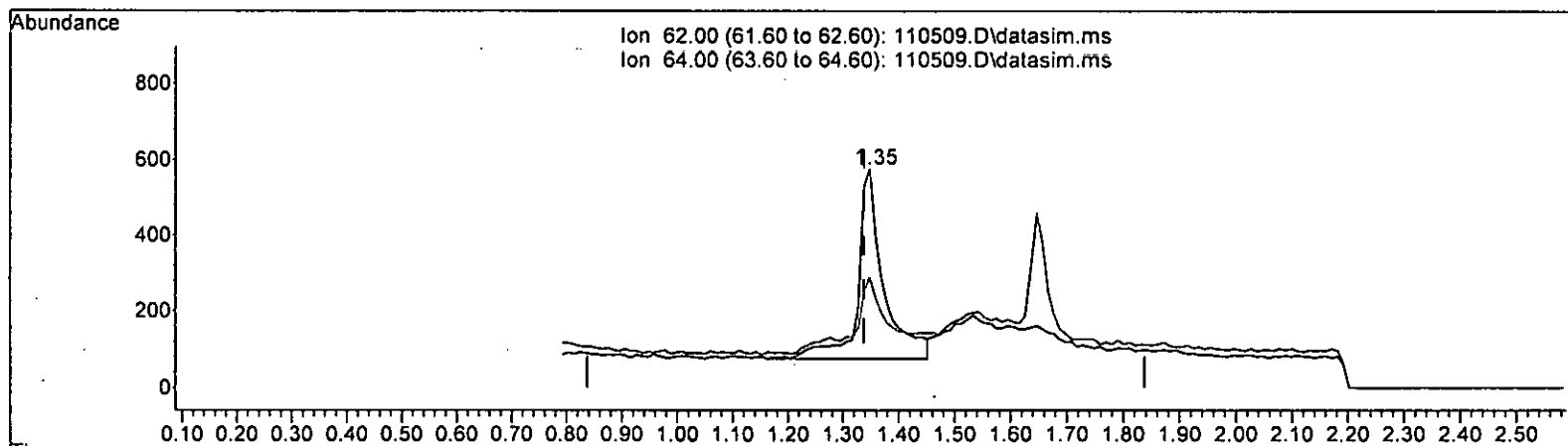
(#) = Out of Range

SPCC's out = 51 CCC's out = 0

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110509.D
 Acq On : 05 Nov 2022 12:44 pm
 Operator : VM
 Sample : 0.2 ppb 8260 ICAL 67-177I
 Misc : soil/water
 ALS Vial : 5 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:15 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110509.D\data.ms

(6) Vinyl chloride (TMP)

1.348min (+ 0.010) 0.291 ppb

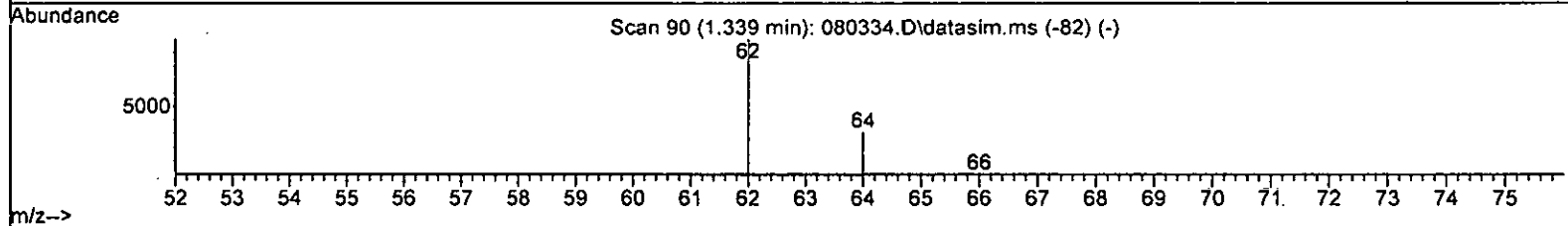
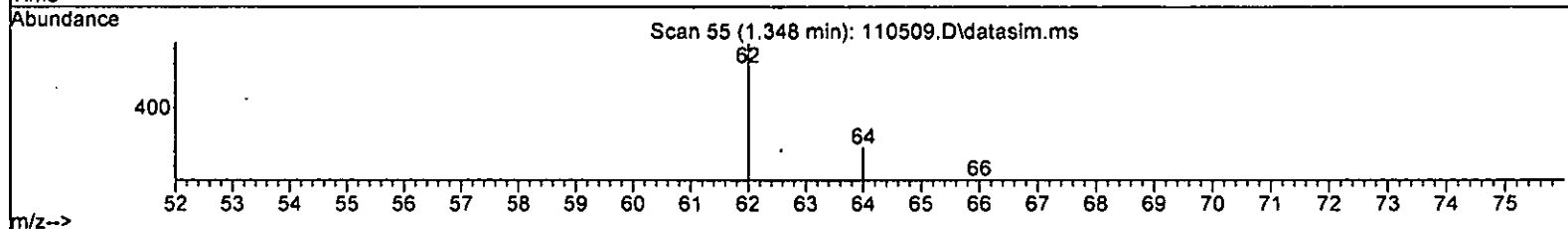
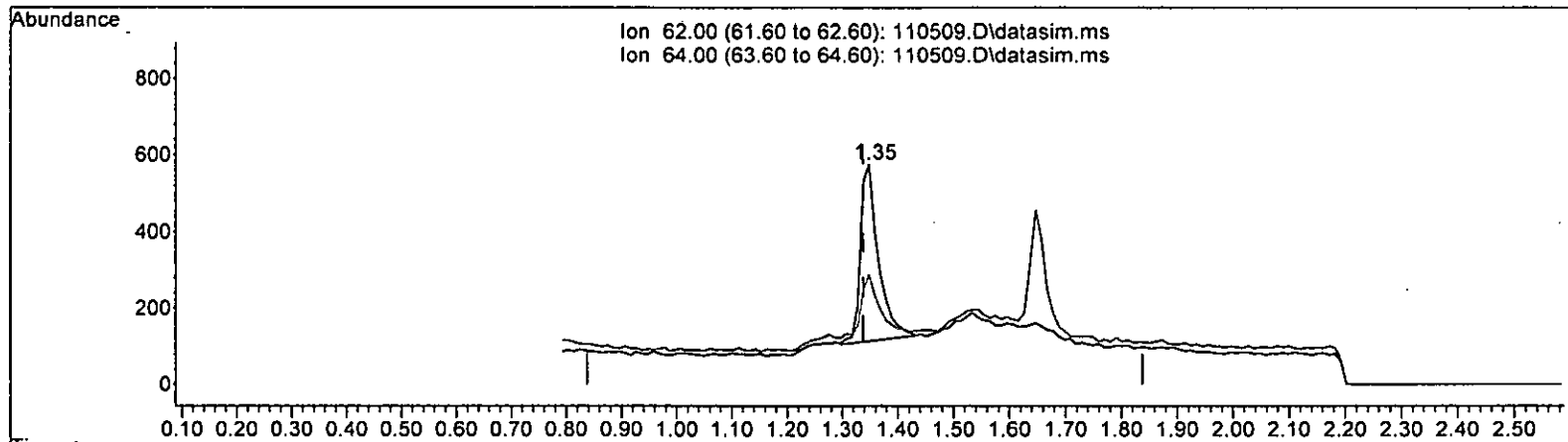
response 1606

Ion	Exp%	Act%
62.00	100.00	100.00
64.00	34.40	39.12
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110509.D
 Acq On : 05 Nov 2022 12:44 pm
 Operator : VM
 Sample : 0.2 ppb 8260 ICAL 67-177I
 Misc : soil/water
 ALS Vial : 5 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:15 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110509.D\data.ms

(6) Vinyl chloride (TMP)

1.348min (+ 0.010) 0.187 ppb m

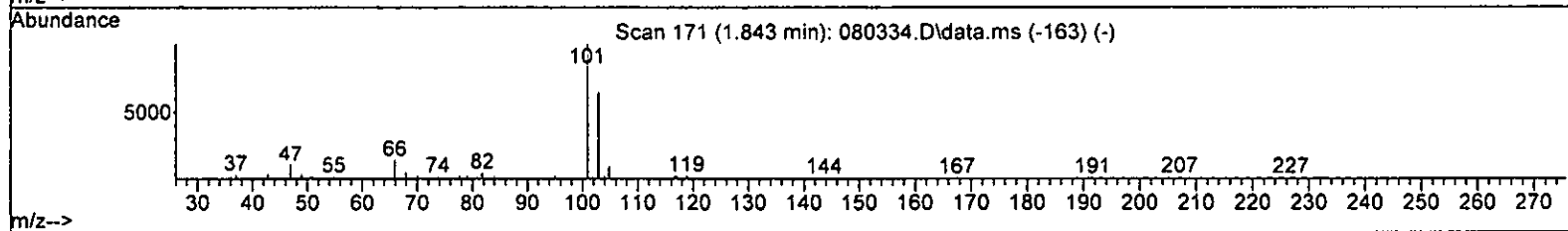
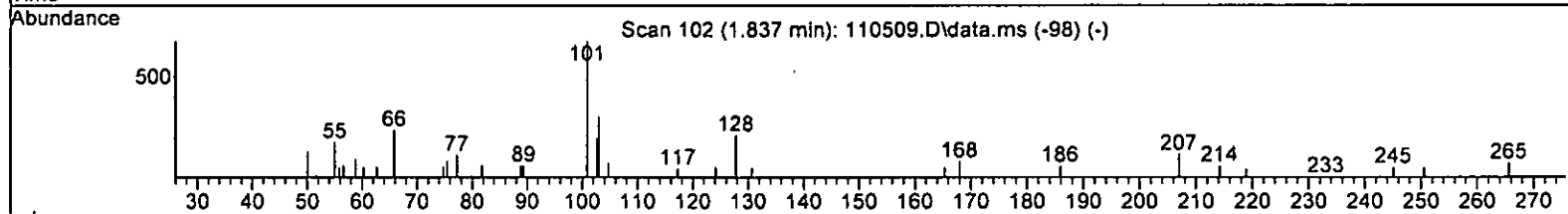
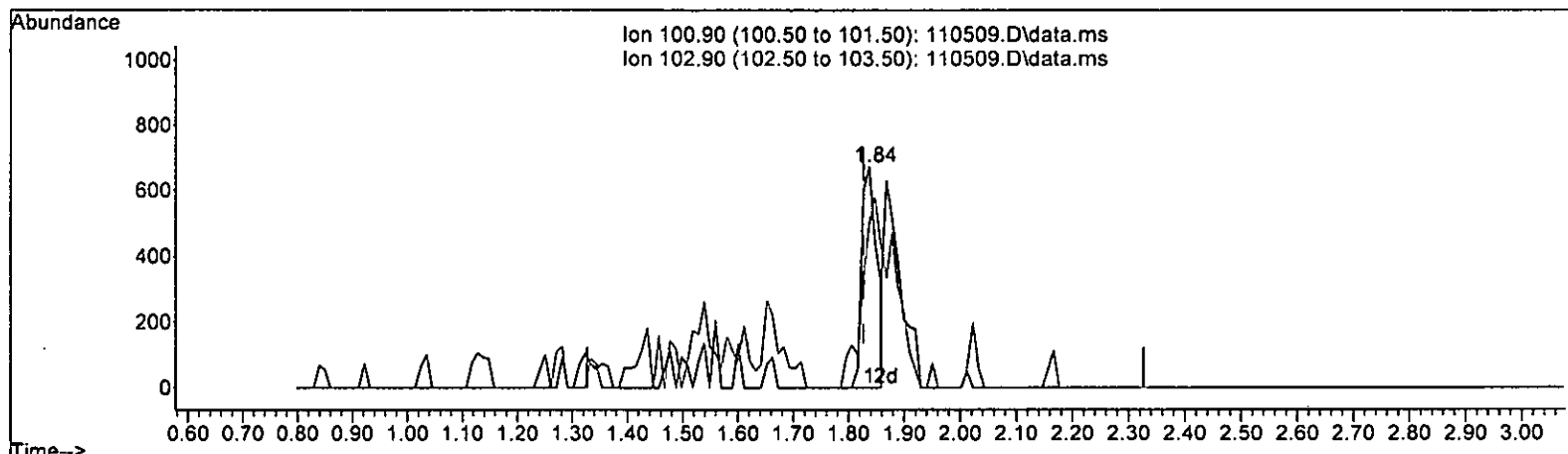
response 1032

Ion	Exp%	Act%
62.00	100.00	100.00
64.00	34.40	50.17
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110509.D
 Acq On : 05 Nov 2022 12:44 pm
 Operator : VM
 Sample : 0.2 ppb 8260 ICAL 67-177I
 Misc : soil/water
 ALS Vial : 5 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:15 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110509.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.837min (+ 0.010) 0.106 ppb

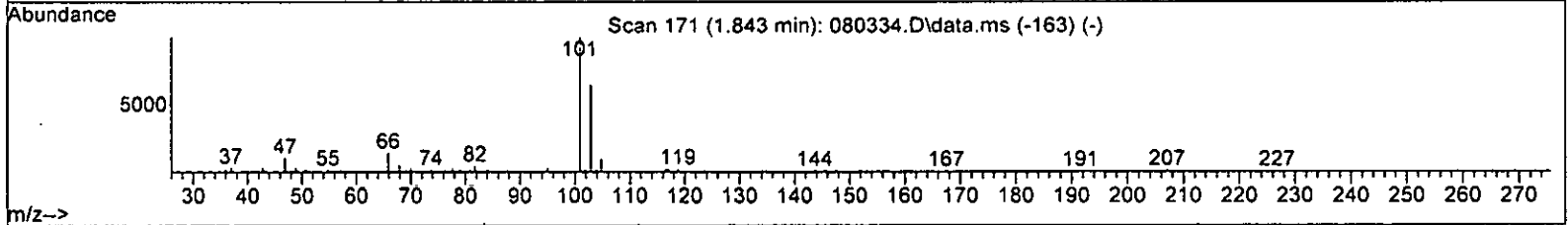
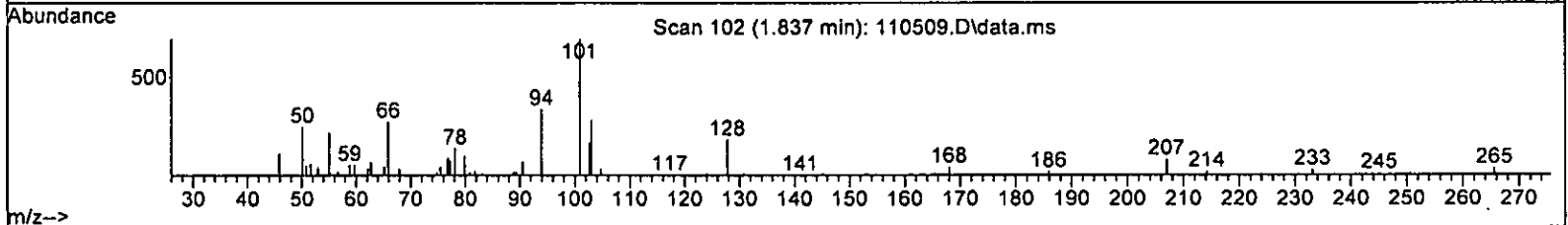
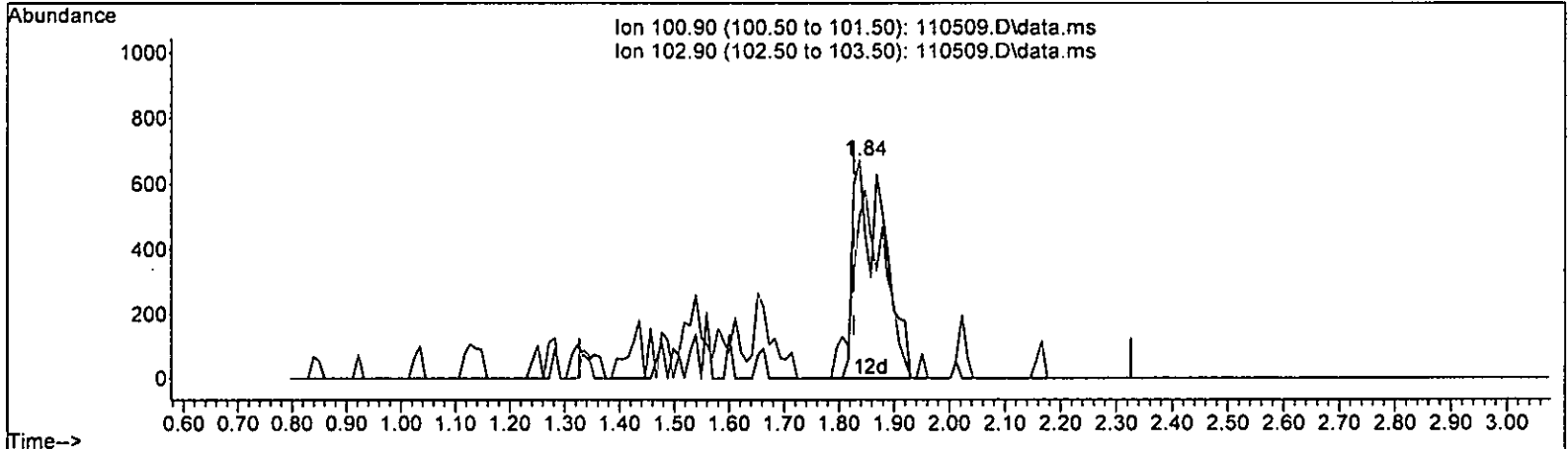
response 1292

Ion	Exp%	Act%
100.90	100.00	100.00
102.90	65.30	60.12
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110509.D
 Acq On : 05 Nov 2022 12:44 pm
 Operator : VM
 Sample : 0.2 ppb 8260 ICAL 67-177I
 Misc : soil/water
 ALS Vial : 5 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:15 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110509.D\data.ms

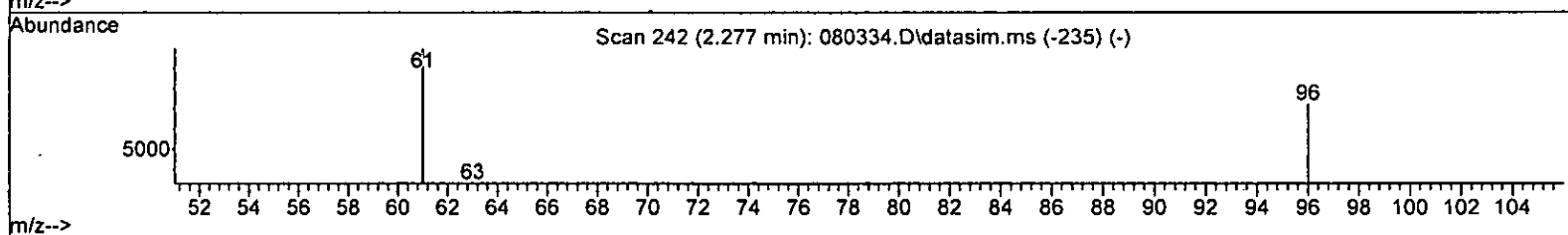
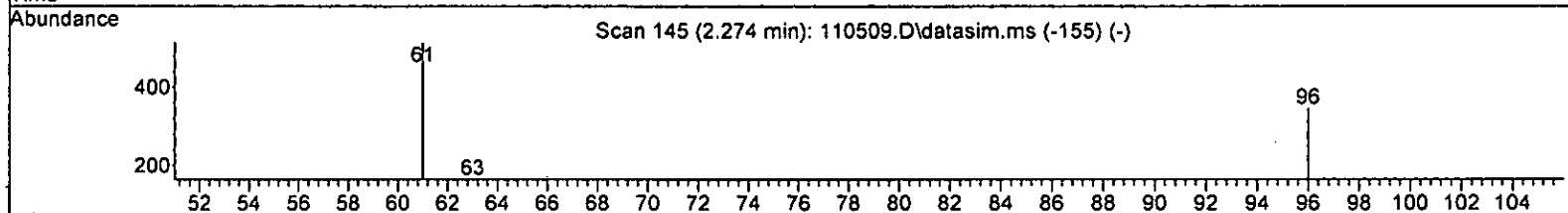
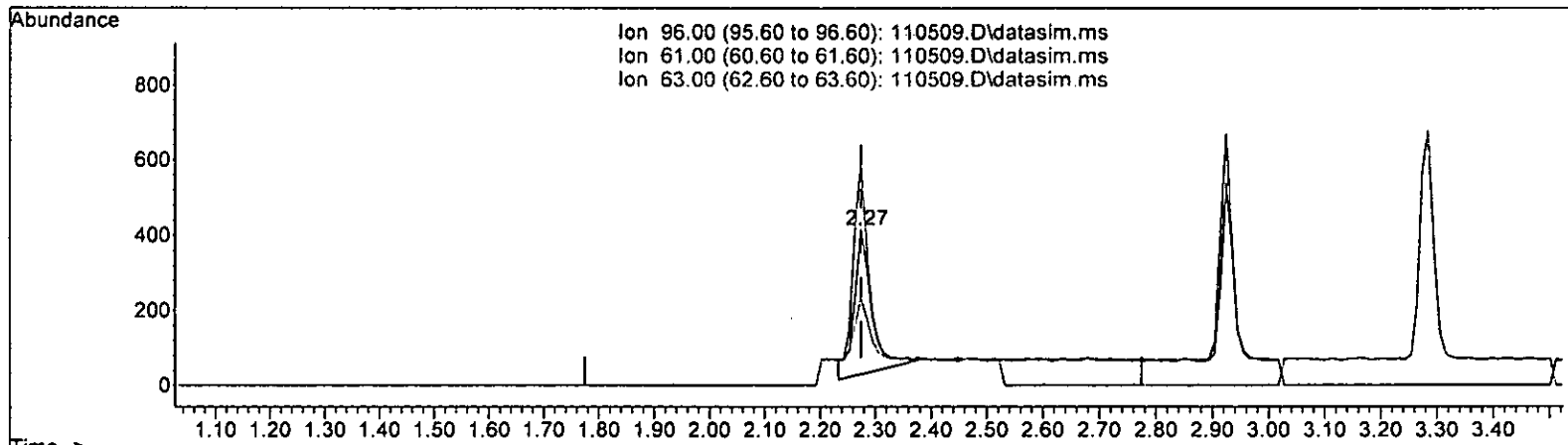
(9) Trichlorofluoromethane (TMP) ,
 1.837min (+ 0.010) 0.213 ppb m
 response 2591

Ion	Exp%	Act%
100.90	100.00	100.00
102.90	65.30	44.94
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110509.D
 Acq On : 05 Nov 2022 12:44 pm
 Operator : VM
 Sample : 0.2 ppb 8260 ICAL 67-177I
 Misc : soil/water
 ALS Vial : 5 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:15 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110509.D\data.ms

(12) 1,1-Dichloroethene (TMP)

2.274min (-0.001) 0.272 ppb

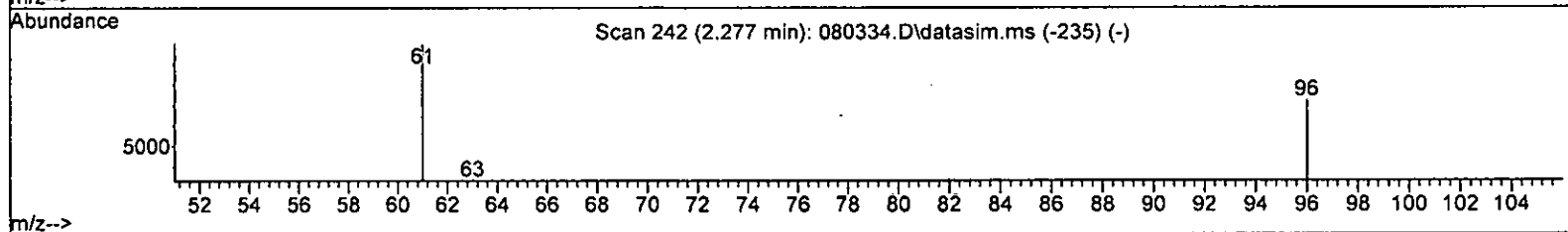
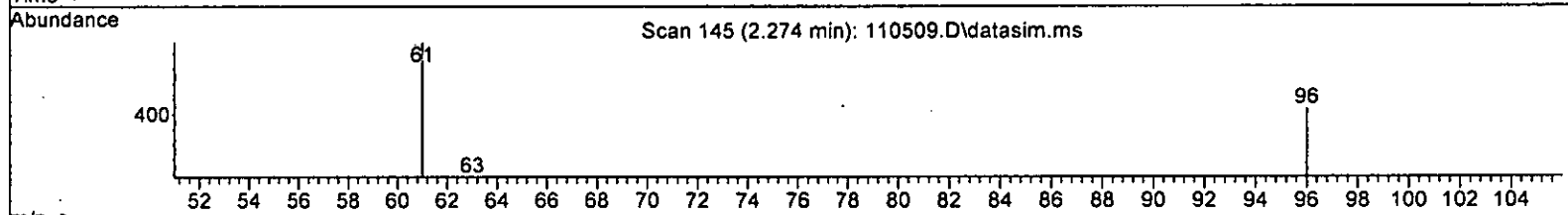
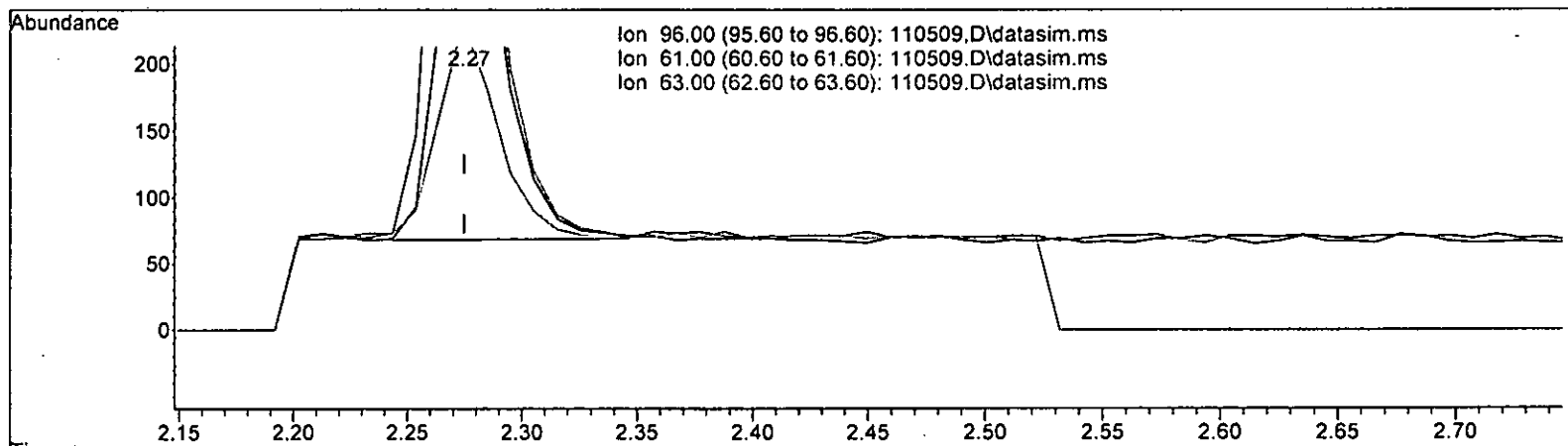
response 840

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	120.90	149.71
63.00	43.90	47.40
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110509.D
 Acq On : 05 Nov 2022 12:44 pm
 Operator : VM
 Sample : 0.2 ppb 8260 ICAL 67-177I
 Misc : soil/water
 ALS Vial : 5 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:15 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110509.D\data.ms

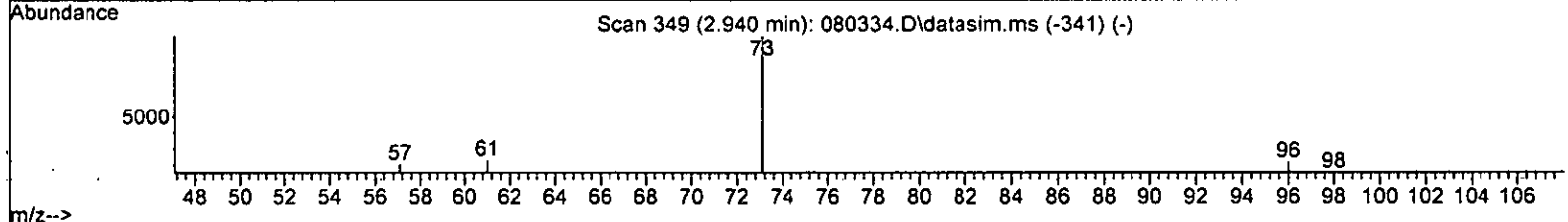
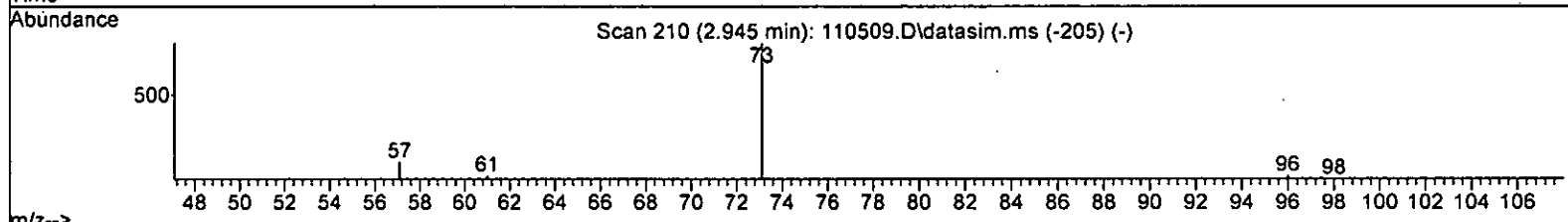
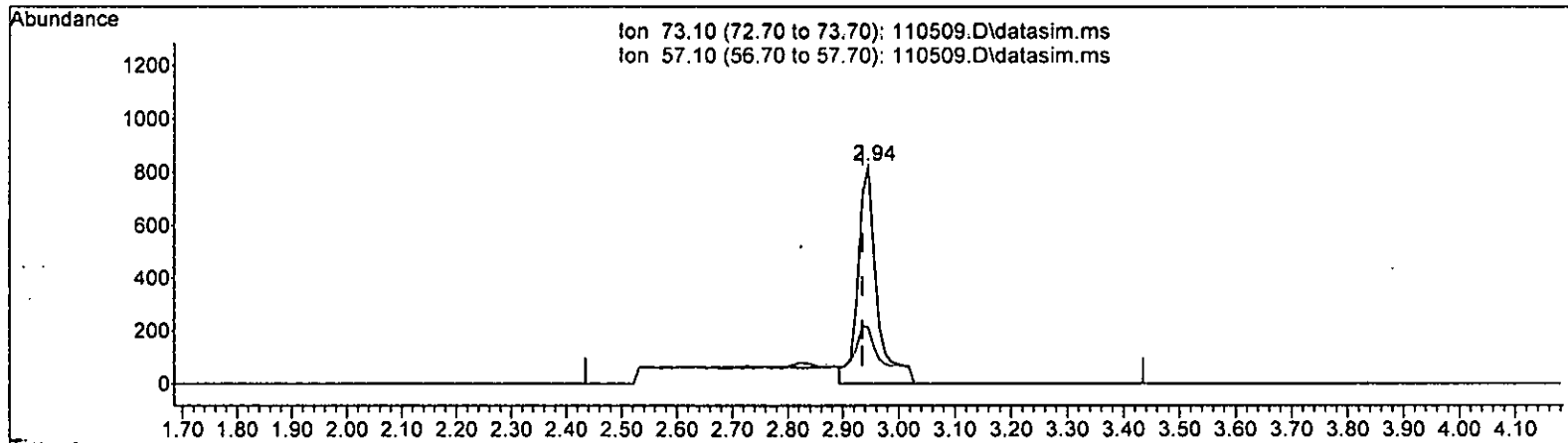
(12) 1,1-Dichloroethene (TMP)
 2.274min (-0.001) 0.196 ppb m

response	605
Ion	Exp% Act%
96.00	100.00 100.00
61.00	120.90 142.03
63.00	43.90 56.52
0.00	0.00 0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110509.D
 Acq On : 05 Nov 2022 12:44 pm
 Operator : VM
 Sample : 0.2 ppb 8260 ICAL 67-177I
 Misc : soil/water
 ALS Vial : 5 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:15 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110509.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

2.945min (+ 0.010) 0.264 ppb

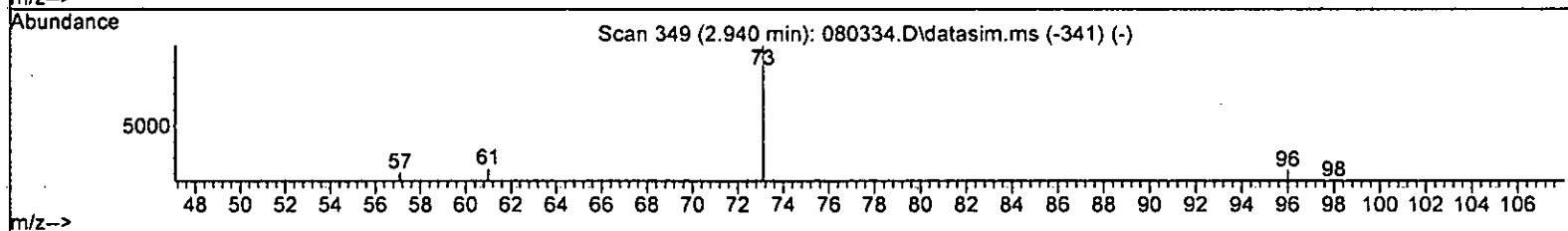
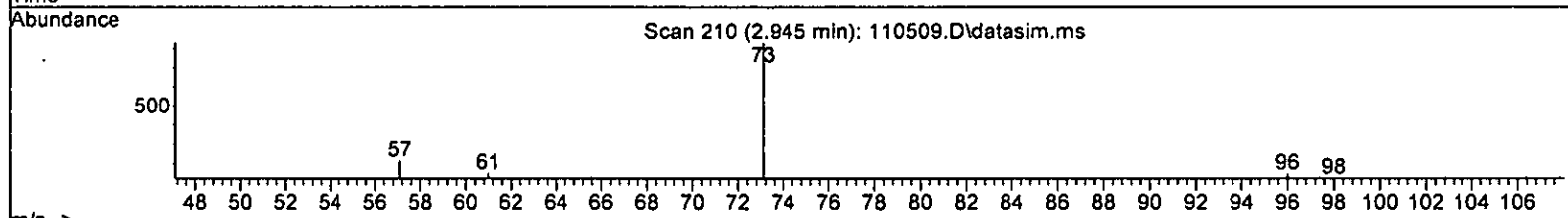
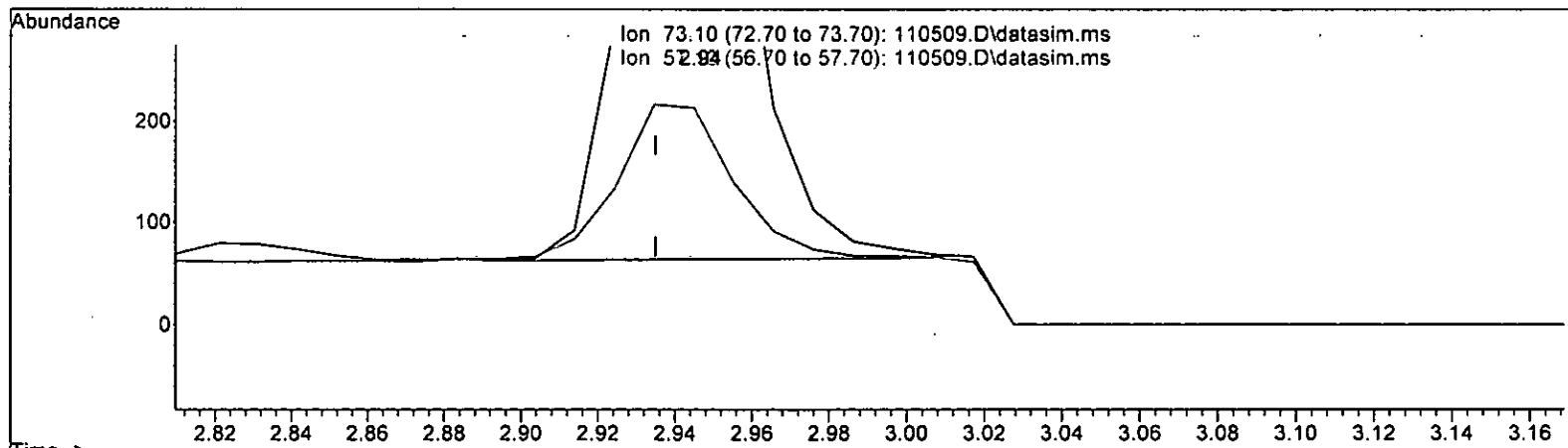
response 1907

Ion	Exp%	Act%
73.10	100.00	100.00
57.10	19.40	25.72
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110509.D
 Acq On : 05 Nov 2022 12:44 pm
 Operator : VM
 Sample : 0.2 ppb 8260 ICAL 67-177I
 Misc : soil/water
 ALS Vial : 5 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:15 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110509.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

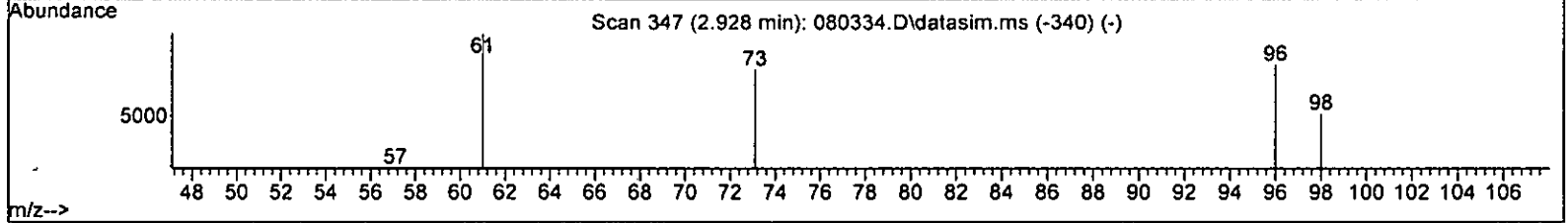
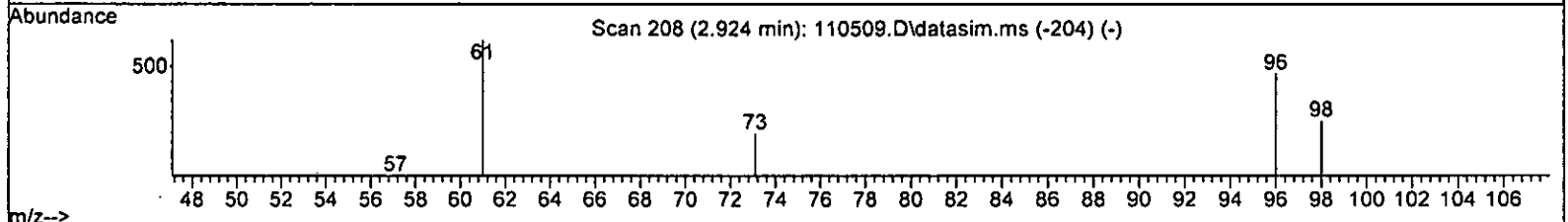
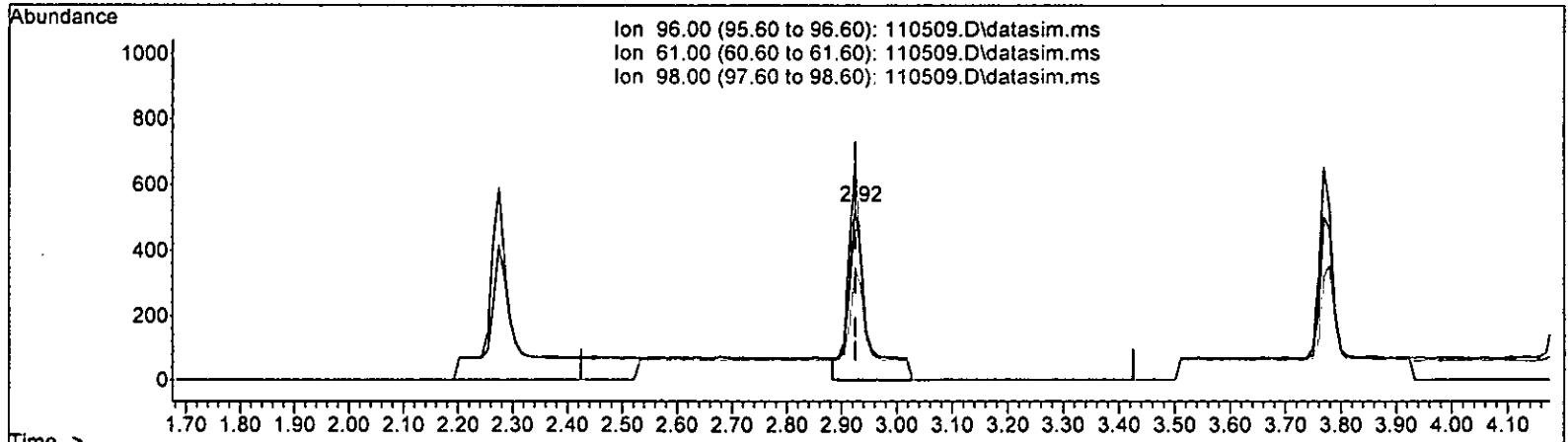
2.945min (+ 0.010) 0.199 ppb m

response	1434
Ion	Exp% Act%
73.10	100.00 100.00
57.10	19.40 25.72
0.00	0.00 0.00
0.00	0.00 0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110509.D
 Acq On : 05 Nov 2022 12:44 pm
 Operator : VM
 Sample : 0.2 ppb 8260 ICAL 67-177I
 Misc : soil/water
 ALS Vial : 5 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:15 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110509.D\data.ms

(17) trans-1,2-Dichloroethene (TMP)

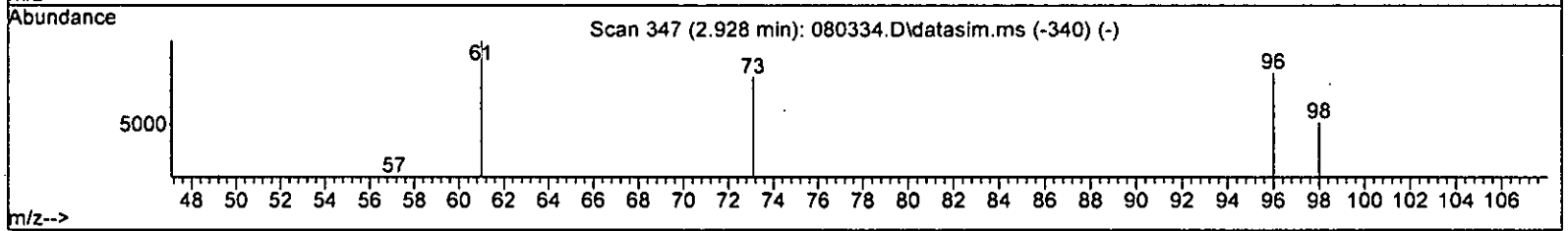
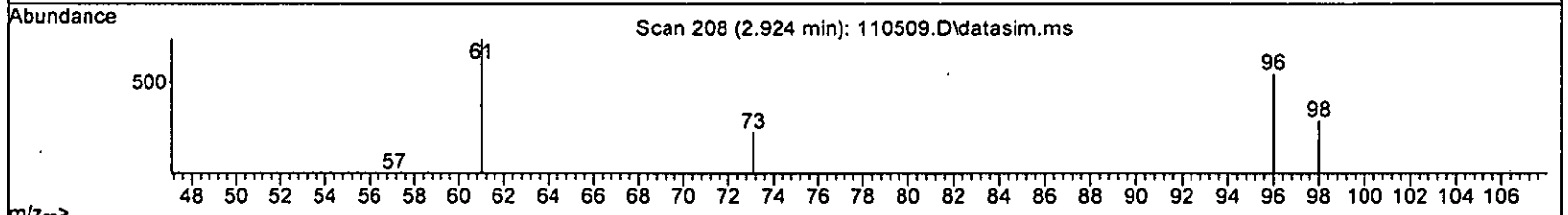
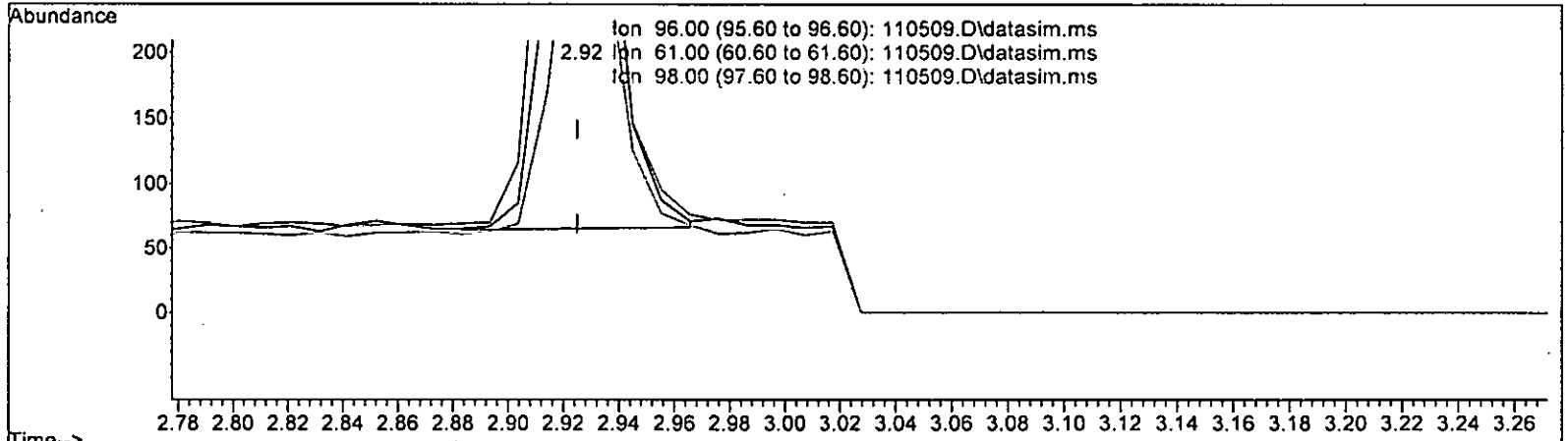
2.924min (-0.001) 0.354 ppb

response	1220
Ion	Exp% Act%
96.00	100.00 100.00
61.00	108.70 125.42
98.00	67.30 64.67
0.00	0.00 0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110509.D
 Acq On : 05 Nov 2022 12:44 pm
 Operator : VM
 Sample : 0.2 ppb 8260 ICAL 67-177I
 Misc : soil/water
 ALS Vial : 5 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:15 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110509.D\data.ms

(17) trans-1,2-Dichloroethene (TMP)

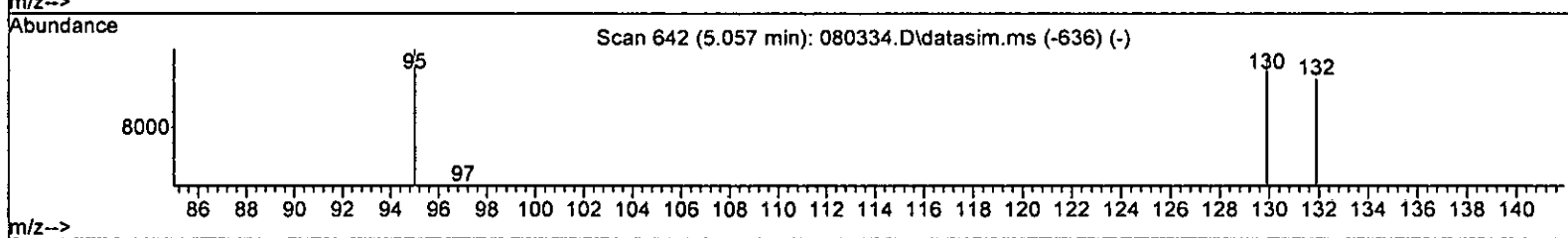
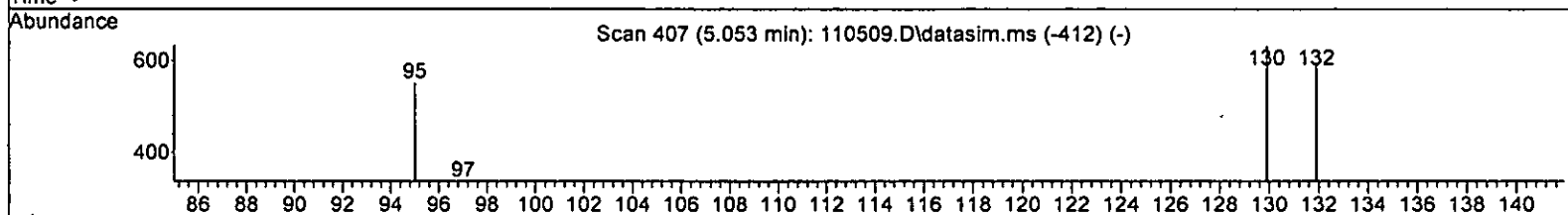
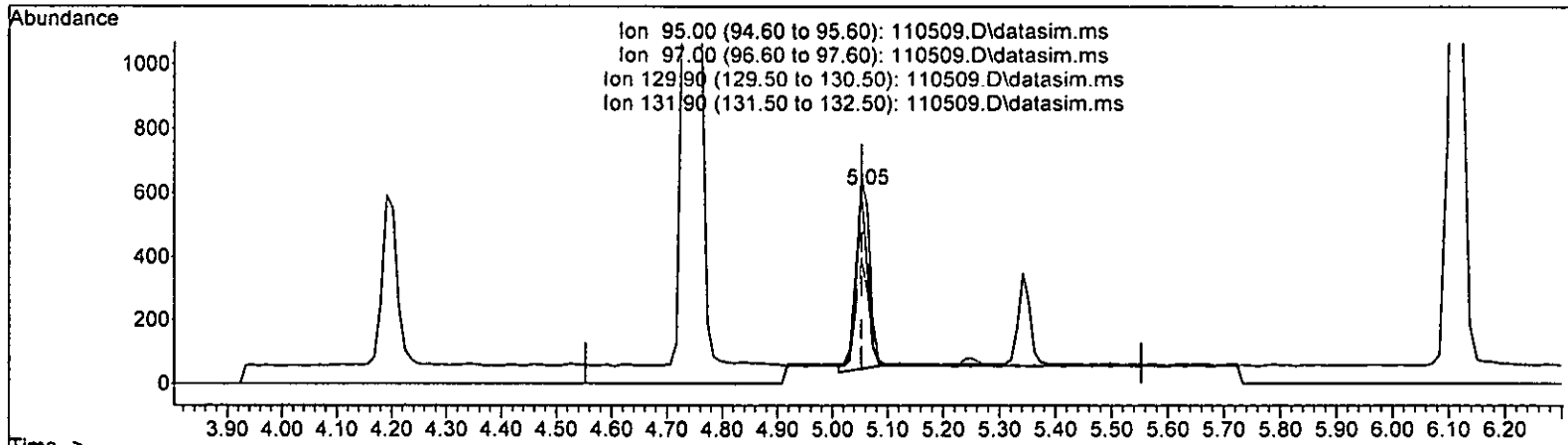
2.924min (-0.001) 0.199 ppb m

response	686	
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	108.70	125.42
98.00	67.30	64.67
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110509.D
 Acq On : 05 Nov 2022 12:44 pm
 Operator : VM
 Sample : 0.2 ppb 8260 ICAL 67-177I
 Misc : soil/water
 ALS Vial : 5 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:15 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



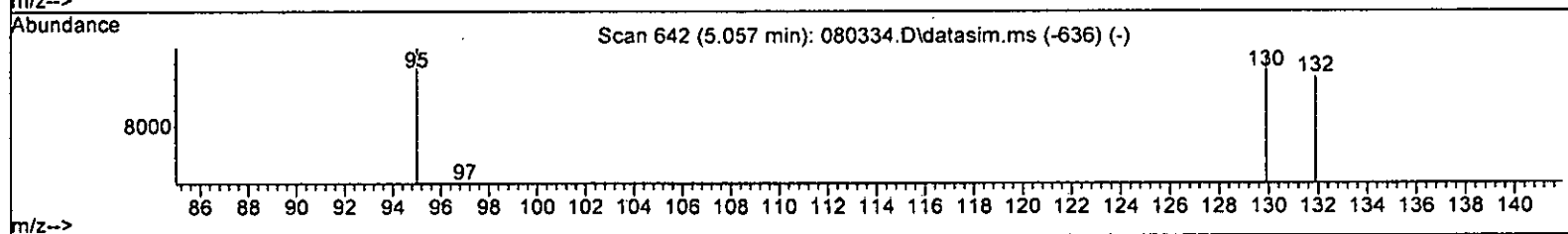
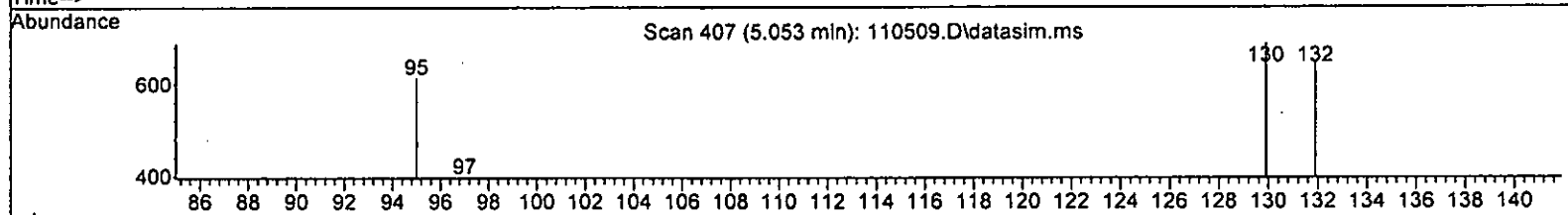
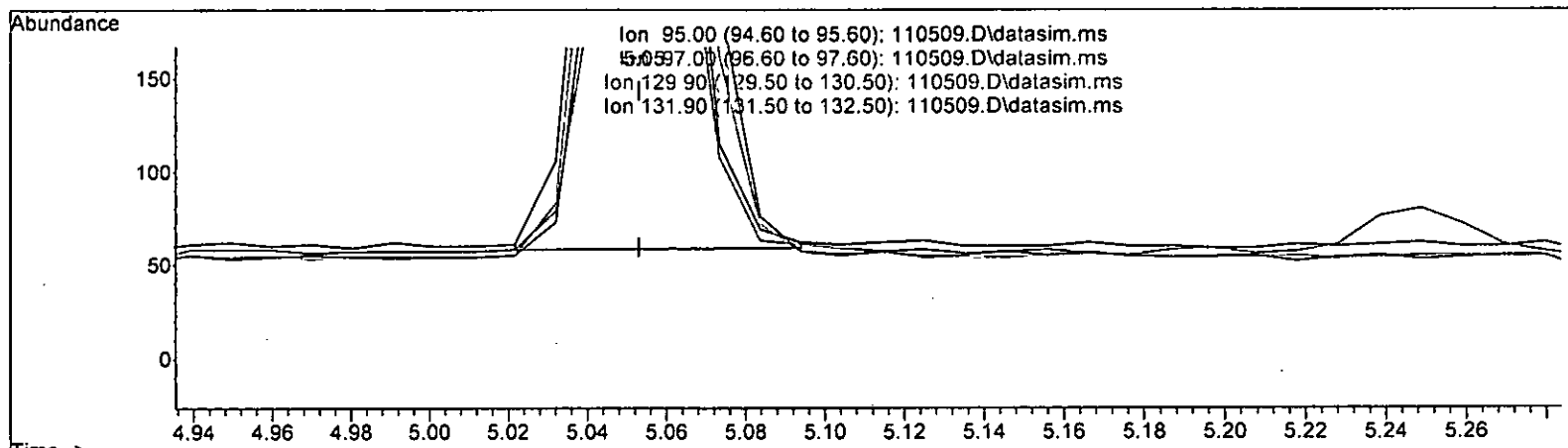
TIC: 110509.D\data.ms

(32) Trichloroethene (TPE)		
Time (min)	Concentration (ppb)	Response
5.053min (-0.000)	0.214	849
Ion	Exp%	Act%
95.00	100.00	100.00
97.00	64.60	61.41
129.90	103.40	114.86
131.90	95.80	107.25

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110509.D
 Acq On : 05 Nov 2022 12:44 pm
 Operator : VM
 Sample : 0.2 ppb 8260 ICAL 67-177I
 Misc : soil/water
 ALS Vial : 5 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:15 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110509.D\data.ms

(32) Trichloroethene (TME)

5.053min (-0.000) 0.197 ppb m

response 782

Ion	Exp%	Act%
95.00	100.00	100.00
97.00	64.60	64.71
129.90	103.40	112.42
131.90	95.80	105.56

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110509.D
 Acq On : 05 Nov 2022 12:44 pm
 Operator : VM
 Sample : 0.2 ppb 8260 ICAL 67-177I
 Misc : soil/water
 ALS Vial : 5 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:15 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	4.75	96	108326	10.000	ppb	0.00	
39) Chlorobenzene-d5	7.40	117	89660	10.000	ppb	0.00	
56) 1,4-Dichlorobenzene-d4	9.62	152	50001	10.000	ppb	0.00	
System Monitoring Compounds							
3) Dibromofluoromethane	4.18	113	35002	10.076	ppb	0.00	
Spiked Amount	10.000	Range 50 - 150	Recovery	=	100.80%		
30) 1,2-Dichloroethane-d4	4.45	102	7026	10.436	ppb	0.00	
Spiked Amount	10.000	Range 84 - 120	Recovery	=	104.40%		
35) Toluene-d8	6.11	98	100698	9.747	ppb	0.00	
Spiked Amount	10.000	Range 73 - 128	Recovery	=	97.50%		
57) 4-Bromofluorobenzene	8.51	95	36151	10.493	ppb	0.00	
Spiked Amount	10.000	Range 57 - 146	Recovery	=	104.90%		
Target Compounds							
							Qvalue
2) Ethanol	2.33	45	224	No	Calib		
4) Dichlorodifluoromethane	0.00		0	N.D.	d		
5) Chloromethane	0.00		0	N.D.	d		
6] Vinyl chloride	1.35	62	1032m	0.187	ppb		
7) Bromomethane	0.00		0	N.D.			
8) Chloroethane	0.00		0	N.D.	d		
9) Trichlorofluoromethane	1.84	101	2591m	0.213	ppb		
10) 2-Propanol	0.00		0	N.D.	d		
11) Acetone	0.00		0	N.D.	d		
12] 1,1-Dichloroethene	2.27	96	605m	0.196	ppb		
13) Hexane	0.00		0	N.D.	d		
14) Methylene chloride	0.00		0	N.D.	d		
15) t-Butyl alcohol (TBA)	0.00		0	N.D.	d		
16] Methyl t-butyl ether (...)	2.94	73	1434m	0.199	ppb		
17] trans-1,2-Dichloroethene	2.92	96	686m	0.199	ppb		
18) Diisopropyl ether (DIPE)	3.35	45	1833	0.243	ppb		93
19] 1,1-Dichloroethane	3.28	63	1021	0.203	ppb		95
20] Ethyl t-butyl ether (E...)	3.66	87	539	0.193	ppb	#	39
21) 2,2-Dichloropropane	3.77	77	717	0.240	ppb		48
22] cis-1,2-Dichloroethene	3.77	96	732	0.203	ppb		92
23) Chloroform	4.05	83	1270	0.218	ppb		78
24) 2-Butanone (MEK)	3.81	43	2219	1.386	ppb		94
25) t-Amyl methyl ether (T...)	4.61	73	1189	0.203	ppb		84
26] 1,2-Dichloroethane (EDC)	4.53	62	1041	0.198	ppb		97
27] 1,1,1-Trichloroethane	4.19	97	1020	0.195	ppb		89
28) 1,1-Dichloropropene	4.33	75	859	0.199	ppb		79
29) Carbon tetrachloride	4.33	117	1127	0.214	ppb		86
31] Benzene	4.50	78	2506	0.207	ppb		96
32] Trichloroethene	5.05	95	782m	0.197	ppb		
33) 1,2-Dichloropropane	5.24	63	676	0.259	ppb	#	88
34) Bromodichloromethane	5.48	83	755	0.180	ppb		89
36) Dibromomethane	5.35	93	583	0.245	ppb		94

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110509.D
 Acq On : 05 Nov 2022 12:44 pm
 Operator : VM
 Sample : 0.2 ppb 8260 ICAL 67-177I
 Misc : soil/water
 ALS Vial : 5 Sample Multiplier: 1
 InstName : GCMS13

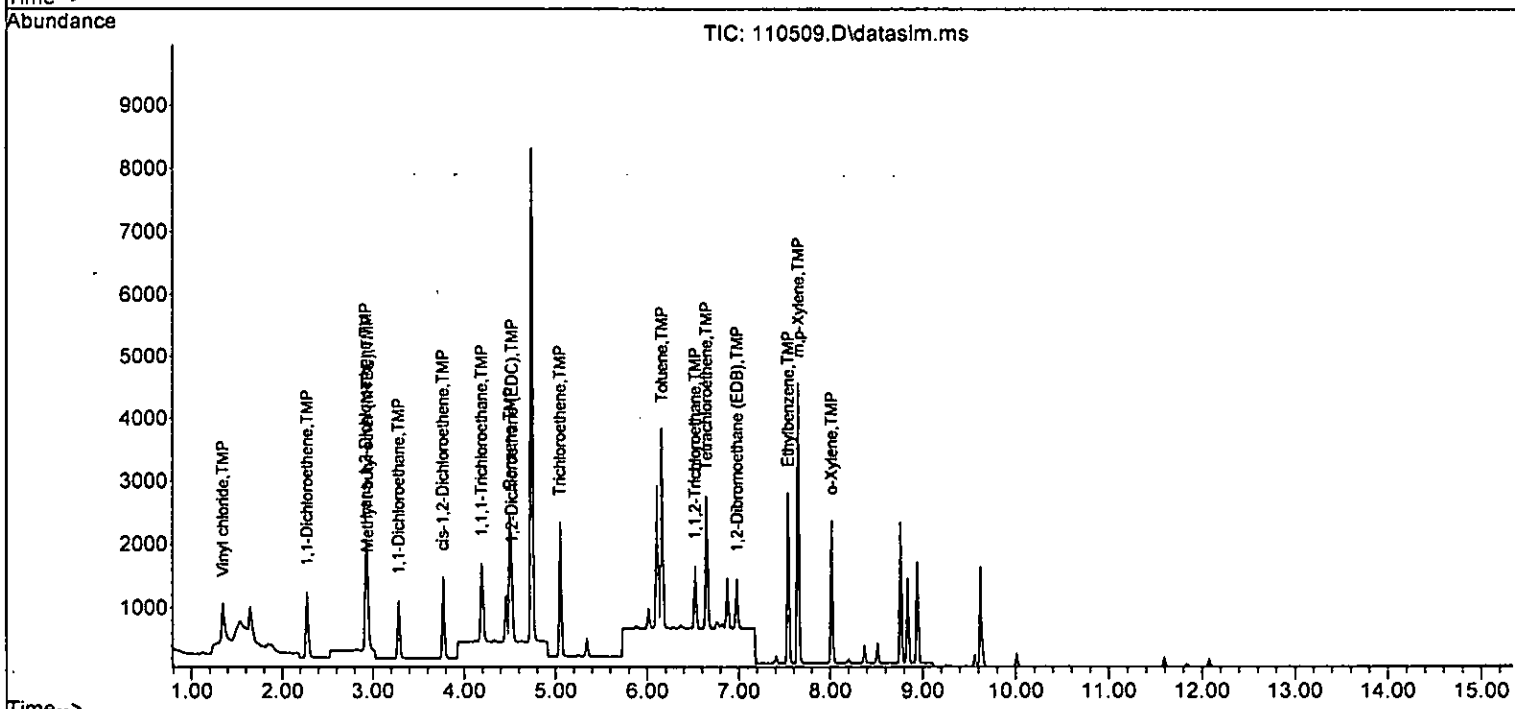
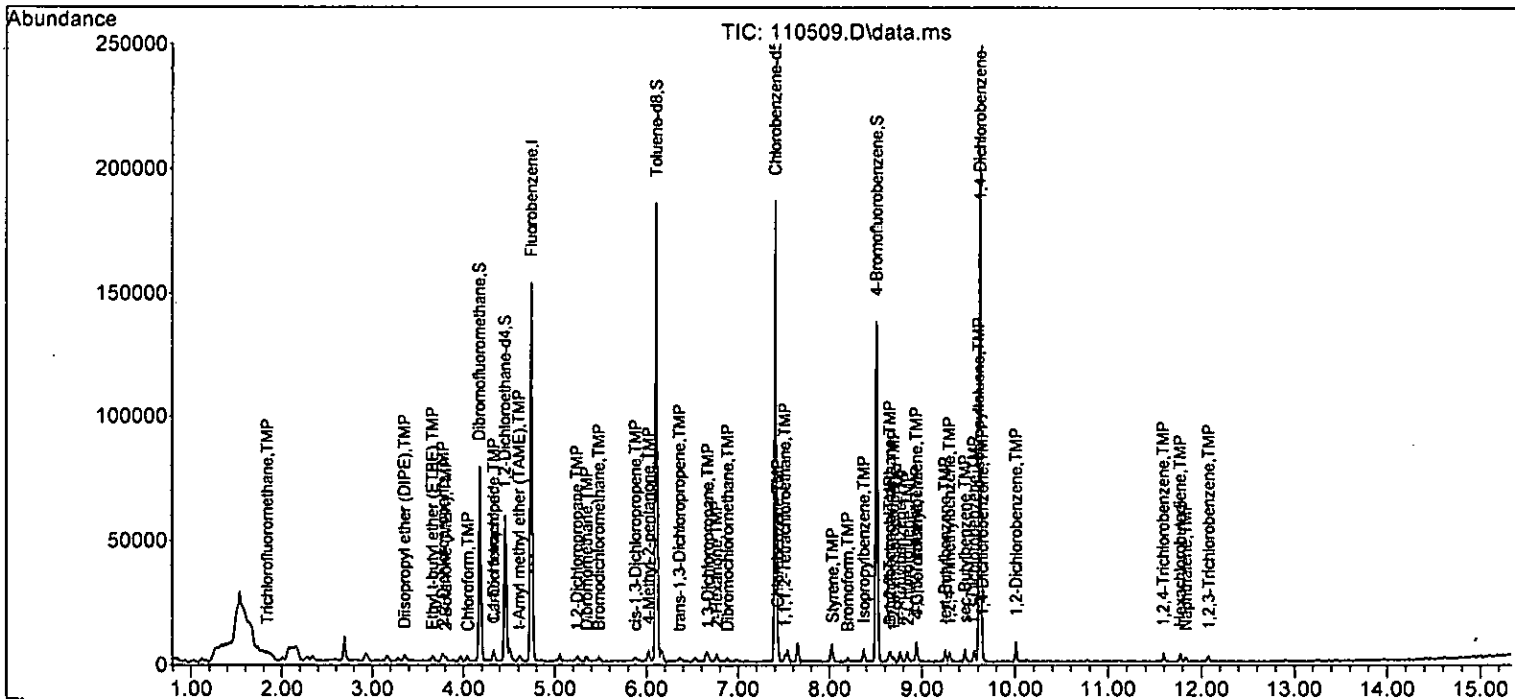
Quant Time: Nov 07 15:17:15 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	6.02	85	420	0.914	ppb #	1
38) cis-1,3-Dichloropropene	5.88	75	820	0.210	ppb	73
40] Toluene	6.16	92	1643	0.212	ppb	99
41) trans-1,3-Dichloropropene	6.36	75	859	0.279	ppb	94
42] 1,1,2-Trichloroethane	6.53	83	511	0.206	ppb	95
43) 2-Hexanone	6.76	43	1849	1.088	ppb	96
44) 1,3-Dichloropropane	6.67	76	1020	0.249	ppb	94
45] Tetrachloroethene	6.65	164	788	0.203	ppb	97
46) Dibromochloromethane	6.89	129	1070	0.251	ppb	73
47] 1,2-Dibromoethane (EDB)	6.98	107	613	0.190	ppb	97
48) Chlorobenzene	7.43	112	1897	0.213	ppb	95
49] Ethylbenzene	7.54	91	2762	0.198	ppb	96
50) 1,1,1,2-Tetrachloroethane	7.51	131	690	0.199	ppb	97
51] m,p-Xylene	7.65	106	2123	0.387	ppb	91
52] o-Xylene	8.02	106	1027	0.194	ppb	92
53) Styrene	8.03	104	1723	0.217	ppb	93
54) Isopropylbenzene	8.37	105	2623	0.204	ppb	90
55) Bromoform	8.20	173	538	0.201	ppb	74
58) n-Propylbenzene	8.77	91	2749	0.204	ppb	94
59) Bromobenzene	8.65	156	982	0.235	ppb #	74
60) 1,3,5-Trimethylbenzene	8.94	105	2027	0.206	ppb	100
61) 1,1,2,2-Tetrachloroethane	8.65	83	827	0.185	ppb	87
62) 1,2,3-Trichloropropane	8.70	75	573	0.236	ppb	70
63) 2-Chlorotoluene	8.84	91	1744	0.216	ppb	74
64) 4-Chlorotoluene	8.95	91	2246	0.235	ppb	88
65) tert-Butylbenzene	9.25	119	2127	0.218	ppb	97
66) 1,2,4-Trimethylbenzene	9.30	105	2025	0.203	ppb	85
67) sec-Butylbenzene	9.46	105	2706	0.206	ppb	93
68) p-Isopropyltoluene	9.61	119	2232	0.187	ppb	94
69) 1,3-Dichlorobenzene	9.56	146	1761	0.230	ppb	86
70) 1,4-Dichlorobenzene	9.65	146	1879	0.240	ppb	74
71) 1,2-Dichlorobenzene	10.01	146	1614	0.222	ppb	93
72) 1,2-Dibromo-3-chloropr...	0.00		0	N.D.	d	
73) 1,2,4-Trichlorobenzene	11.59	180	1104	0.228	ppb	88
74) Hexachlorobutadiene	11.77	225	687	0.229	ppb	91
75) Naphthalene	11.83	128	1648	0.256	ppb	96
76) 1,2,3-Trichlorobenzene	12.08	180	778	0.184	ppb	92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110509.D
 Acq On : 05 Nov 2022 12:44 pm
 Operator : VM
 Sample : 0.2 ppb 8260 ICAL 67-1771
 Misc : soil/water
 ALS Vial : 5 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:15 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110509.D
 Acq On : 05 Nov 2022 12:44 pm
 Operator : VM
 Sample : 0.2 ppb 8260 ICAL 67-177I
 Misc : soil/water
 ALS Vial : 5 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:15 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I Fluorobenzene	10.000	10.000	0.0	100	0.00
2 TMP Ethanol	-1.000	0.000	0.0	0	0.00
3 S Dibromofluoromethane	10.000	10.076	-0.8	100	0.00
4 TMP Dichlorodifluoromethane	-1.000	0.000	0.0	0	-1.12#
5 TMP Chloromethane	-1.000	0.000	0.0	0	-1.26#
6 TMP Vinyl chloride	0.200	0.187	6.5	95	0.01
7 TMP Bromomethane	-1.000	0.000	0.0	0	-1.58#
8 TMP Chloroethane	-1.000	0.000	0.0	0	-1.65#
9 TMP Trichlorofluoromethane	0.200	0.213	-6.5	100	0.01
10 TMP 2-Propanol	-1.000	0.000	0.0	0	-2.33#
11 TMP Acetone	-1.000	0.000	0.0	0	-2.33#
12 TMP 1,1-Dichloroethene	0.200	0.196	2.0	95	0.00
13 TMP Hexane	-1.000	0.000	0.0	0	-3.16#
14 TMP Methylene chloride	-1.000	0.000	0.0	0	-2.68#
15 TMP t-Butyl alcohol (TBA)	-1.000	0.000	0.0	0	-2.82#
16 TMP Methyl t-butyl ether (MTBE)	0.200	0.199	0.5	100	0.00
17 TMP trans-1,2-Dichloroethene	0.200	0.199	0.5	97	0.00
18 TMP Diisopropyl ether (DIPE)	0.200	0.243	-21.5#	100	0.00
19 TMP 1,1-Dichloroethane	0.200	0.203	-1.5	100	0.00
20 TMP Ethyl t-butyl ether (ETBE)	0.200	0.193	3.5	100	0.00
21 TMP 2,2-Dichloropropane	0.200	0.240	-20.0	100	0.00
22 TMP cis-1,2-Dichloroethene	0.200	0.203	-1.5	100	0.00
23 TMP Chloroform	0.200	0.218	-9.0	100	0.01
24 TMP 2-Butanone (MEK)	1.000	1.386	-38.6#	102	0.01
25 TMP t-Amyl methyl ether (TAME)	0.200	0.203	-1.5	100	0.00
26 TMP 1,2-Dichloroethane (EDC)	0.200	0.198	1.0	104	0.00
27 TMP 1,1,1-Trichloroethane	0.200	0.195	2.5	100	0.00
28 TMP 1,1-Dichloropropene	0.200	0.199	0.5	100	0.00
29 TMP Carbon tetrachloride	0.200	0.214	-7.0	100	0.00
30 S 1,2-Dichloroethane-d4	10.000	10.436	-4.4	100	0.00
31 TMP Benzene	0.200	0.207	-3.5	100	0.00
32 TMP Trichloroethene	0.200	0.197	1.5	96	0.00
33 TMP 1,2-Dichloropropane	0.200	0.259	-29.5#	100	0.00
34 TMP Bromodichloromethane	0.200	0.180	10.0	100	0.00
35 S Toluene-d8	10.000	9.747	2.5	100	0.00
36 TMP Dibromomethane	0.200	0.245	-22.5#	100	0.00
37 TMP 4-Methyl-2-pentanone	1.000	0.914	8.6	100	0.00
38 TMP cis-1,3-Dichloropropene	0.200	0.210	-5.0	100	0.00
39 I Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40 TMP Toluene	0.200	0.212	-6.0	100	0.00
41 TMP trans-1,3-Dichloropropene	0.200	0.279	-39.5#	100	0.00
42 TMP 1,1,2-Trichloroethane	0.200	0.206	-3.0	100	0.00
43 TMP 2-Hexanone	1.000	1.088	-8.8	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110509.D
 Acq On : 05 Nov 2022 12:44 pm
 Operator : VM
 Sample : 0.2 ppb 8260 ICAL 67-177I
 Misc : soil/water
 ALS Vial : 5 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:15 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.200	0.249	-24.5#	100	-0.01
45 TMP Tetrachloroethene	0.200	0.203	-1.5	100	0.00
46 TMP Dibromochloromethane	0.200	0.251	-25.5#	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	0.200	0.190	5.0	100	0.00
48 TMP Chlorobenzene	0.200	0.213	-6.5	100	0.00
49 TMP Ethylbenzene	0.200	0.198	1.0	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.200	0.199	0.5	100	0.00
51 TMP m,p-Xylene	0.400	0.387	3.3	100	0.00
52 TMP o-Xylene	0.200	0.194	3.0	100	0.00
53 TMP Styrene	0.200	0.217	-8.5	100	0.00
54 TMP Isopropylbenzene	0.200	0.204	-2.0	100	0.00
55 TMP Bromoform	0.200	0.201	-0.5	100	0.00
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	10.000	10.493	-4.9	100	0.00
58 TMP n-Propylbenzene	0.200	0.204	-2.0	100	0.00
59 TMP Bromobenzene	0.200	0.235	-17.5	100	0.00
60 TMP 1,3,5-Trimethylbenzene	0.200	0.206	-3.0	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.200	0.185	7.5	100	0.00
62 TMP 1,2,3-Trichloropropane	0.200	0.236	-18.0	100	0.00
63 TMP 2-Chlorotoluene	0.200	0.216	-8.0	100	0.00
64 TMP 4-Chlorotoluene	0.200	0.235	-17.5	100	0.00
65 TMP tert-Butylbenzene	0.200	0.218	-9.0	100	0.00
66 TMP 1,2,4-Trimethylbenzene	0.200	0.203	-1.5	100	0.00
67 TMP sec-Butylbenzene	0.200	0.206	-3.0	100	0.00
68 TMP p-Isopropyltoluene	0.200	0.187	6.5	100	0.00
69 TMP 1,3-Dichlorobenzene	0.200	0.230	-15.0	100	0.00
70 TMP 1,4-Dichlorobenzene	0.200	0.240	-20.0	100	0.00
71 TMP 1,2-Dichlorobenzene	0.200	0.222	-11.0	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	-1.000	0.000	0.0	0	-10.78#
73 TMP 1,2,4-Trichlorobenzene	0.200	0.228	-14.0	100	0.00
74 TMP Hexachlorobutadiene	0.200	0.229	-14.5	100	0.00
75 TMP Naphthalene	0.200	0.256	-28.0#	100	0.00
76 TMP 1,2,3-Trichlorobenzene	0.200	0.184	8.0	100	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110509.D
 Acq On : 05 Nov 2022 12:44 pm
 Operator : VM
 Sample : 0.2 ppb 8260 ICAL 67-177I
 Misc : soil/water
 ALS Vial : 5 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:15 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I Fluorobenzene	1.000	1.000	0.0	100	0.00
2 TMP Ethanol	0.000	0.000#	0.0	0#	0.00
3 S Dibromofluoromethane	0.321	0.323	-0.6	100	0.00
4 TMP Dichlorodifluoromethane	0.800	0.000#	100.0#	0#	-1.12#
5 TMP Chloromethane	0.488	0.000#	100.0#	0#	-1.26#
6 TMP Vinyl chloride	0.510	0.476	6.7	95	0.01
7 TMP Bromomethane	0.432	0.000#	100.0#	0#	-1.58#
8 TMP Chloroethane	0.229	0.000#	100.0#	0#	-1.65#
9 TMP Trichlorofluoromethane	1.123	1.196	-6.5	100	0.01
10 TMP 2-Propanol	0.000	0.000	0.0	0#	-2.33#
11 TMP Acetone	0.029	0.000#	100.0#	0#	-2.33#
12 TMP 1,1-Dichloroethene	0.285	0.279	2.1	95	0.00
13 TMP Hexane	0.323	0.000#	100.0#	0#	-3.16#
14 TMP Methylene chloride	0.289	0.000#	100.0#	0#	-2.68#
15 TMP t-Butyl alcohol (TBA)	0.024	0.000#	100.0#	0#	-2.82#
16 TMP Methyl t-butyl ether (MTBE)	0.666	0.662	0.6	100	0.00
17 TMP trans-1,2-Dichloroethene	0.318	0.317	0.3	97	0.00
18 TMP Diisopropyl ether (DIPE)	0.698	0.846	-21.2#	100	0.00
19 TMP 1,1-Dichloroethane	0.463	0.471	-1.7	100	0.00
20 TMP Ethyl t-butyl ether (ETBE)	0.258	0.249	3.5	100	0.00
21 TMP 2,2-Dichloropropane	0.258	0.331	-28.3#	100	0.00
22 TMP cis-1,2-Dichloroethene	0.333	0.338	-1.5	100	0.00
23 TMP Chloroform	0.539	0.586	-8.7	100	0.01
24 TMP 2-Butanone (MEK)	0.132	0.205	-55.3#	102	0.01
25 TMP t-Amyl methyl ether (TAME)	0.540	0.549	-1.7	100	0.00
26 TMP 1,2-Dichloroethane (EDC)	0.465	0.480	-3.2	104	0.00
27 TMP 1,1,1-Trichloroethane	0.482	0.471	2.3	100	0.00
28 TMP 1,1-Dichloropropene	0.370	0.396	-7.0	100	0.00
29 TMP Carbon tetrachloride	0.485	0.520	-7.2	100	0.00
30 S 1,2-Dichloroethane-d4	0.062	0.065	-4.8	100	0.00
31 TMP Benzene	1.118	1.157	-3.5	100	0.00
32 TMP Trichloroethene	0.367	0.361	1.6	96	0.00
33 TMP 1,2-Dichloropropane	0.241	0.312	-29.5#	100	0.00
34 TMP Bromodichloromethane	0.387	0.348	10.1	100	0.00
35 S Toluene-d8	0.954	0.930	2.5	100	0.00
36 TMP Dibromomethane	0.219	0.269	-22.8#	100	0.00
37 TMP 4-Methyl-2-pentanone	0.042	0.039	7.1	100	0.00
38 TMP cis-1,3-Dichloropropene	0.360	0.378	-5.0	100	0.00
39 I Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40 TMP Toluene	0.907	0.916	-1.0	100	0.00
41 TMP trans-1,3-Dichloropropene	0.366	0.479	-30.9#	100	0.00
42 TMP 1,1,2-Trichloroethane	0.285	0.285	0.0	100	0.00
43 TMP 2-Hexanone	0.190	0.206	-8.4	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110509.D
 Acq On : 05 Nov 2022 12:44 pm
 Operator : VM
 Sample : 0.2 ppb 8260 ICAL 67-177I
 Misc : soil/water
 ALS Vial : 5 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:15 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.457	0.569	-24.5#	100	-0.01
45 TMP Tetrachloroethene	0.460	0.439	4.6	100	0.00
46 TMP Dibromochloromethane	0.451	0.597	-32.4#	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	0.360	0.342	5.0	100	0.00
48 TMP Chlorobenzene	0.993	1.058	-6.5	100	0.00
49 TMP Ethylbenzene	1.557	1.540	1.1	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.387	0.385	0.5	100	0.00
51 TMP m,p-Xylene	0.612	0.592	3.3	100	0.00
52 TMP o-Xylene	0.591	0.573	3.0	100	0.00
53 TMP Styrene	0.887	0.961	-8.3	100	0.00
54 TMP Isopropylbenzene	1.435	1.463	-2.0	100	0.00
55 TMP Bromoform	0.299	0.300	-0.3	100	0.00
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	0.689	0.723	-4.9	100	0.00
58 TMP n-Propylbenzene	2.700	2.749	-1.8	100	0.00
59 TMP Bromobenzene	0.837	0.982	-17.3	100	0.00
60 TMP 1,3,5-Trimethylbenzene	1.968	2.027	-3.0	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.626	0.827	-32.1#	100	0.00
62 TMP 1,2,3-Trichloropropane	0.486	0.573	-17.9	100	0.00
63 TMP 2-Chlorotoluene	1.617	1.744	-7.9	100	0.00
64 TMP 4-Chlorotoluene	1.912	2.246	-17.5	100	0.00
65 TMP tert-Butylbenzene	1.952	2.127	-9.0	100	0.00
66 TMP 1,2,4-Trimethylbenzene	1.996	2.025	-1.5	100	0.00
67 TMP sec-Butylbenzene	2.624	2.706	-3.1	100	0.00
68 TMP p-Isopropyltoluene	2.387	2.232	6.5	100	0.00
69 TMP 1,3-Dichlorobenzene	1.530	1.761	-15.1	100	0.00
70 TMP 1,4-Dichlorobenzene	1.564	1.879	-20.1#	100	0.00
71 TMP 1,2-Dichlorobenzene	1.455	1.614	-10.9	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	0.108	0.000#	100.0#	0#	-10.78#
73 TMP 1,2,4-Trichlorobenzene	0.971	1.104	-13.7	100	0.00
74 TMP Hexachlorobutadiene	0.600	0.687	-14.5	100	0.00
75 TMP Naphthalene	1.833	1.648	10.1	100	0.00
76 TMP 1,2,3-Trichlorobenzene	0.846	0.778	8.0	100	0.00

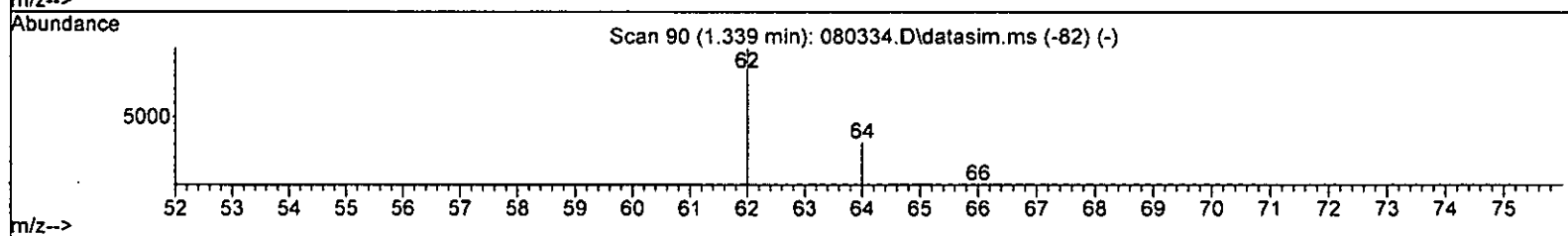
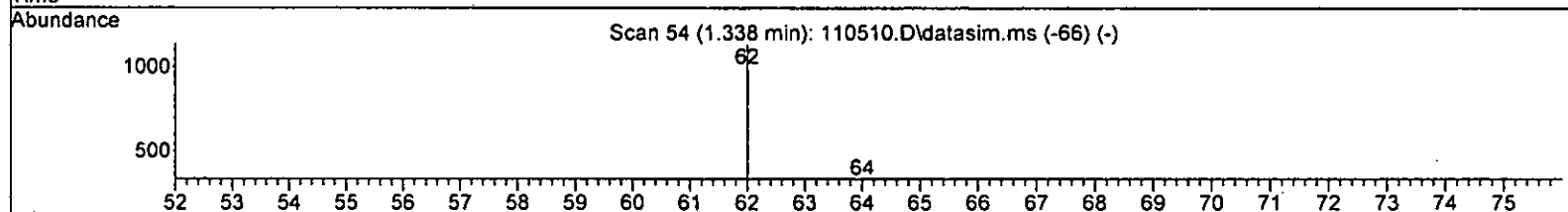
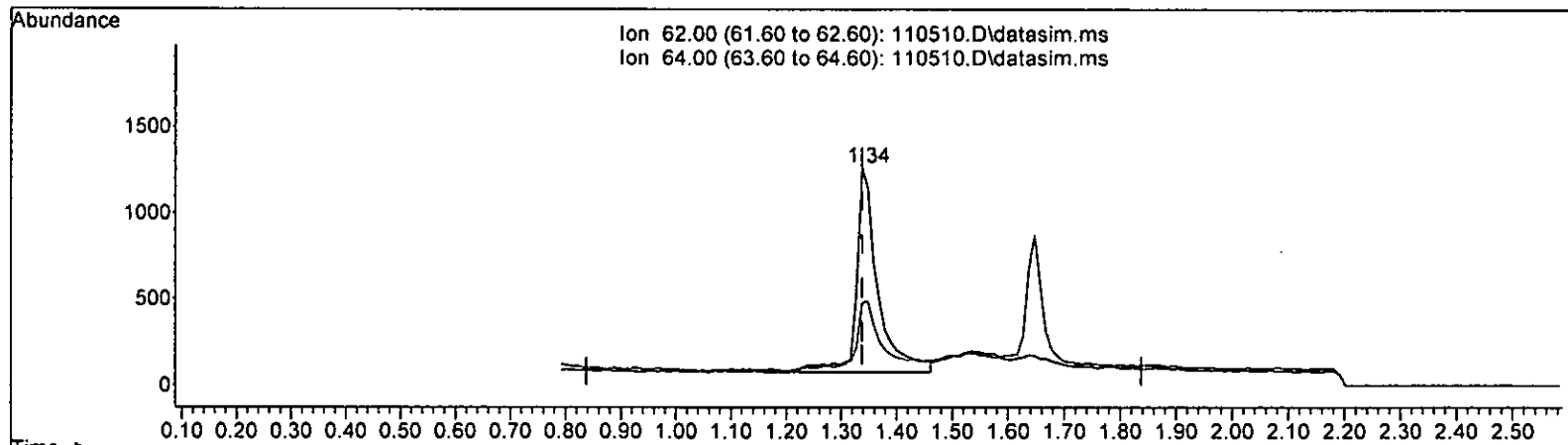
(#) = Out of Range

SPCC's out = 10 CCC's out = 0

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110510.D
 Acq On : 05 Nov 2022 01:07 pm
 Operator : VM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:17 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110510.D\data.ms

(6) Vinyl chloride (TMP)

1.338min (+ 0.000) 0.555 ppb

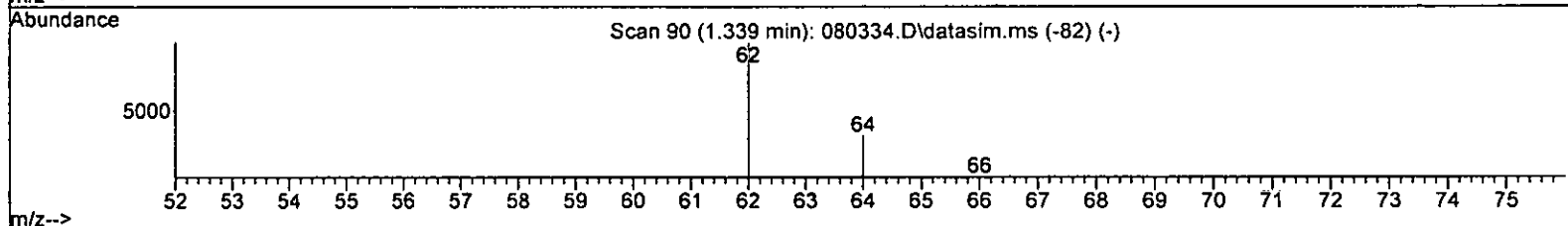
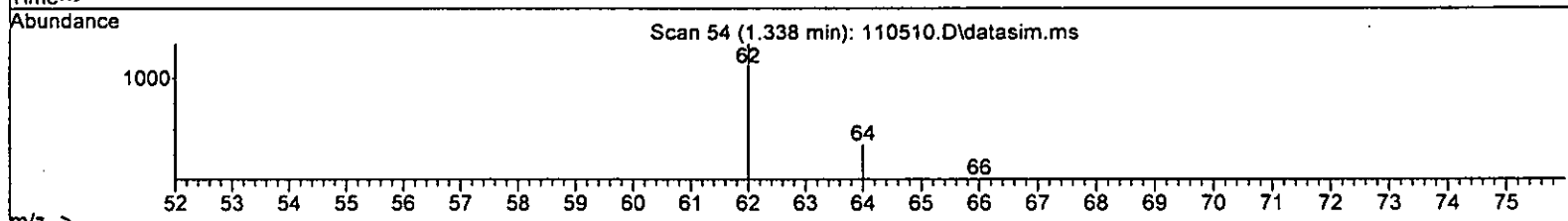
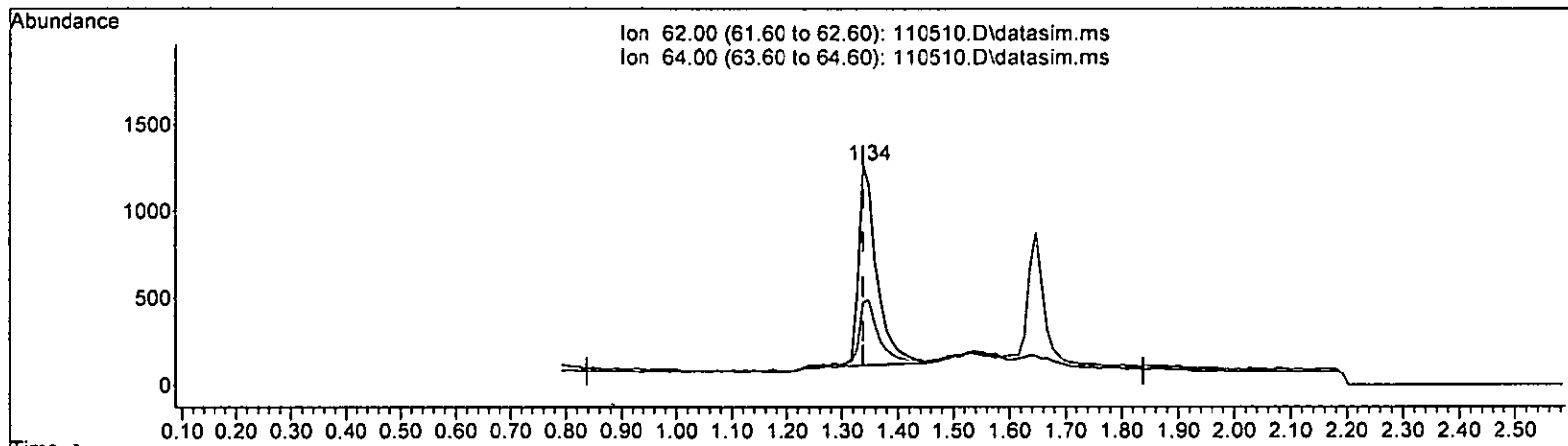
response 3158

Ion	Exp%	Act%
62.00	100.00	100.00
64.00	34.40	32.61
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110510.D
 Acq On : 05 Nov 2022 01:07 pm
 Operator : VM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:17 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110510.D\data.ms

(6) Vinyl chloride (TMP)

1.338min (+ 0.000) 0.451 ppb m

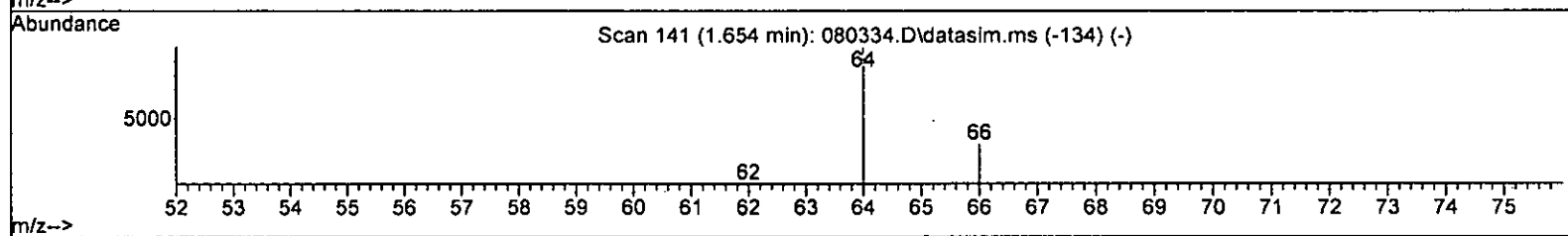
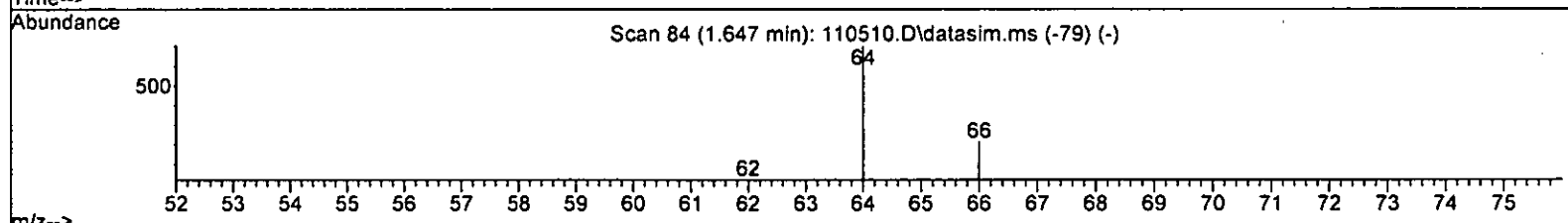
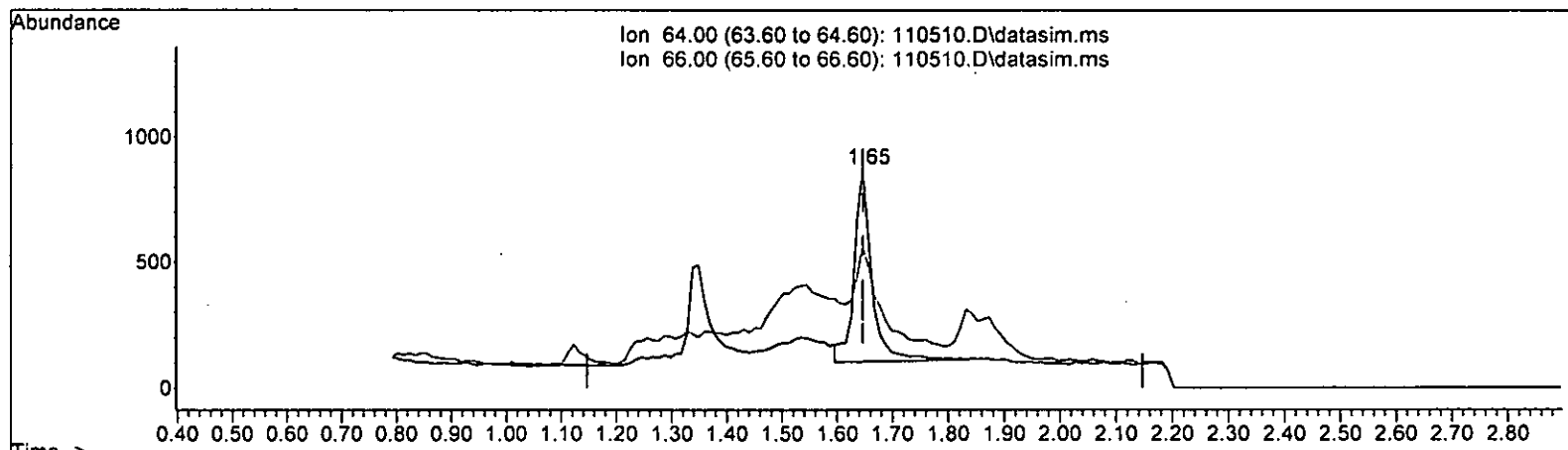
response 2566

Ion	Exp%	Act%
62.00	100.00	100.00
64.00	34.40	37.62
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110510.D
 Acq On : 05 Nov 2022 01:07 pm
 Operator : VM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:17 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110510.D\data.ms

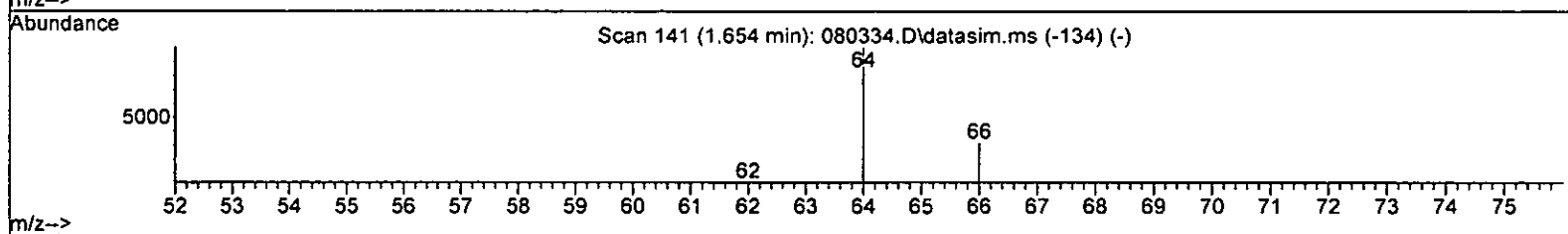
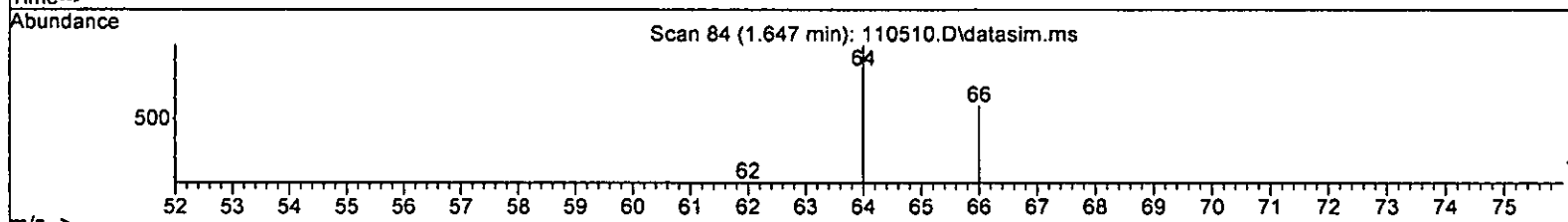
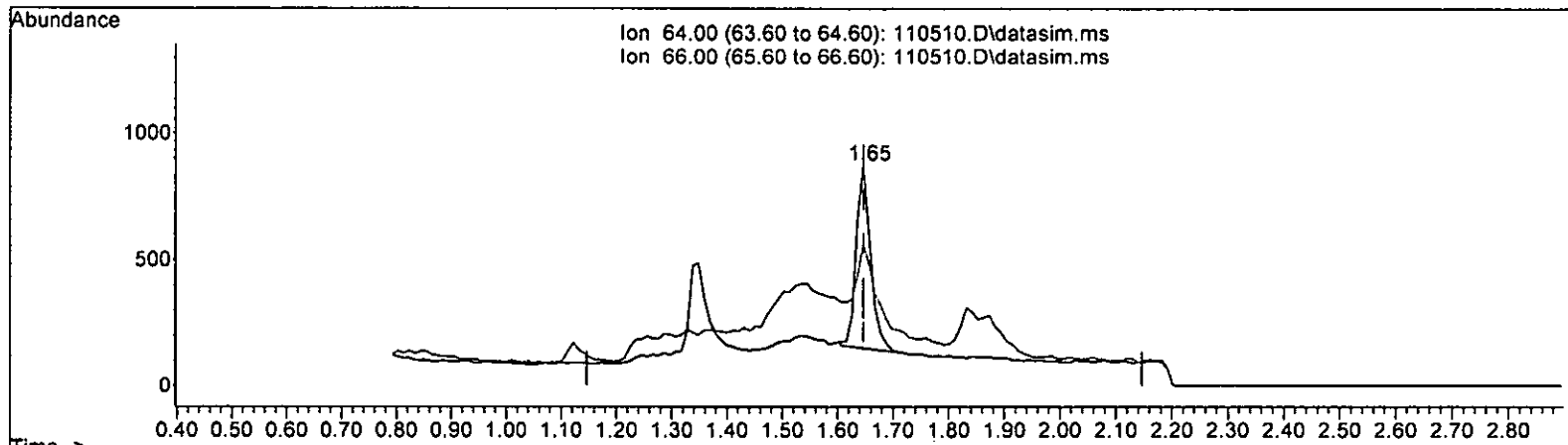
(8) Chloroethane (TMP)
 1.647min (-0.000) 0.654 ppb
 response 1669

Ion	Exp%	Act%
64.00	100.00	100.00
66.00	30.90	33.07
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110510.D
 Acq On : 05 Nov 2022 01:07 pm
 Operator : VM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:17 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110510.D\data.ms

(8) Chloroethane (TMP)

1.647min (-0.000) 0.504 ppb m

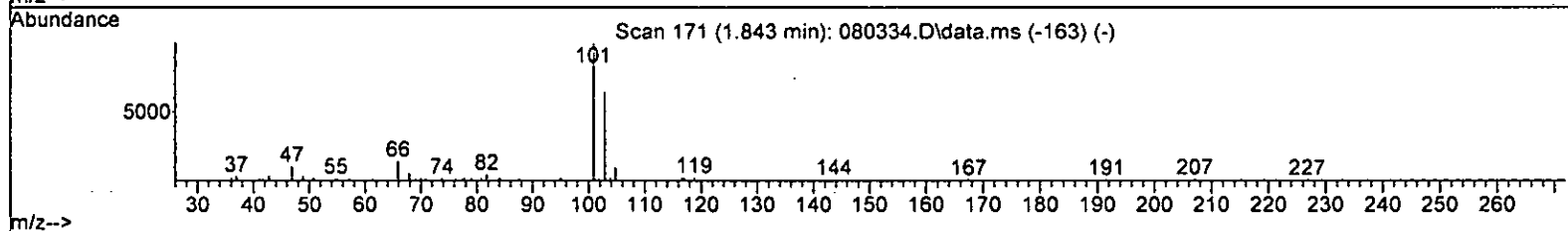
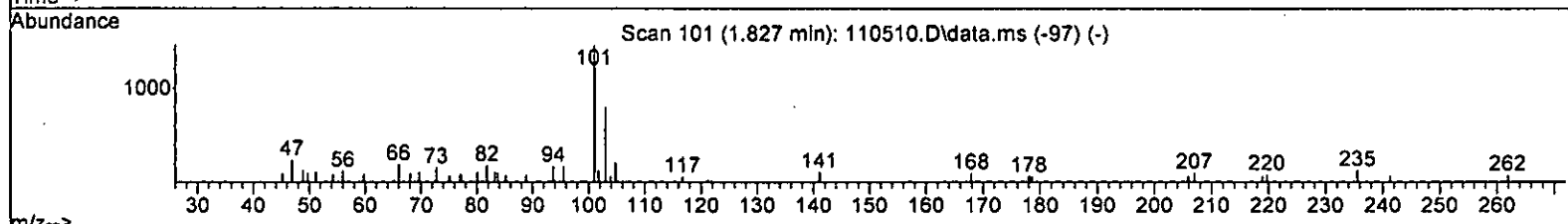
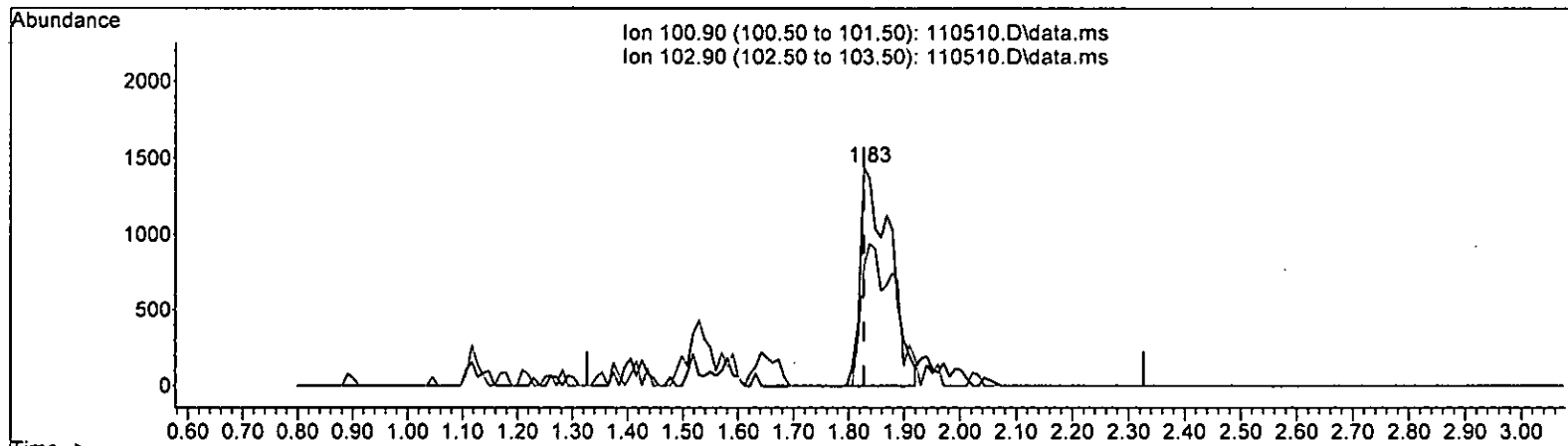
response 1286

Ion	Exp%	Act%
64.00	100.00	100.00
66.00	30.90	64.42#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110510.D
 Acq On : 05 Nov 2022 01:07 pm
 Operator : VM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:17 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



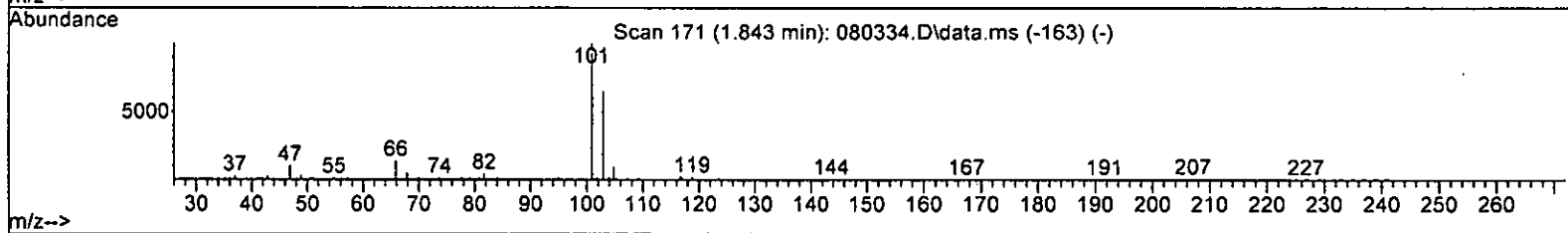
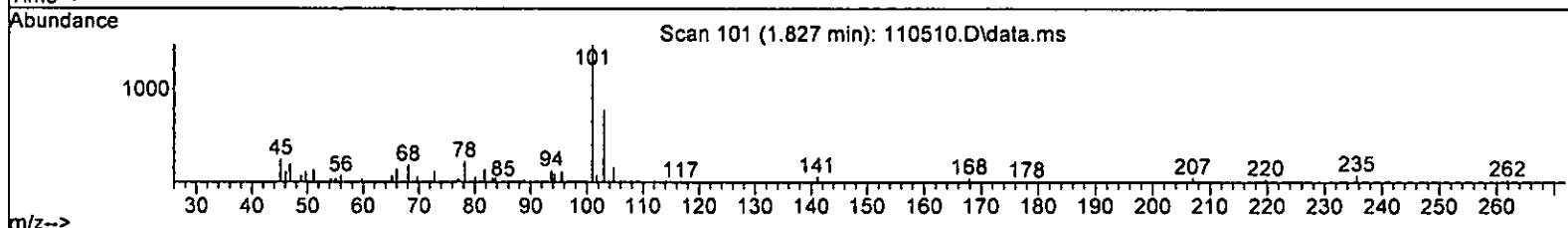
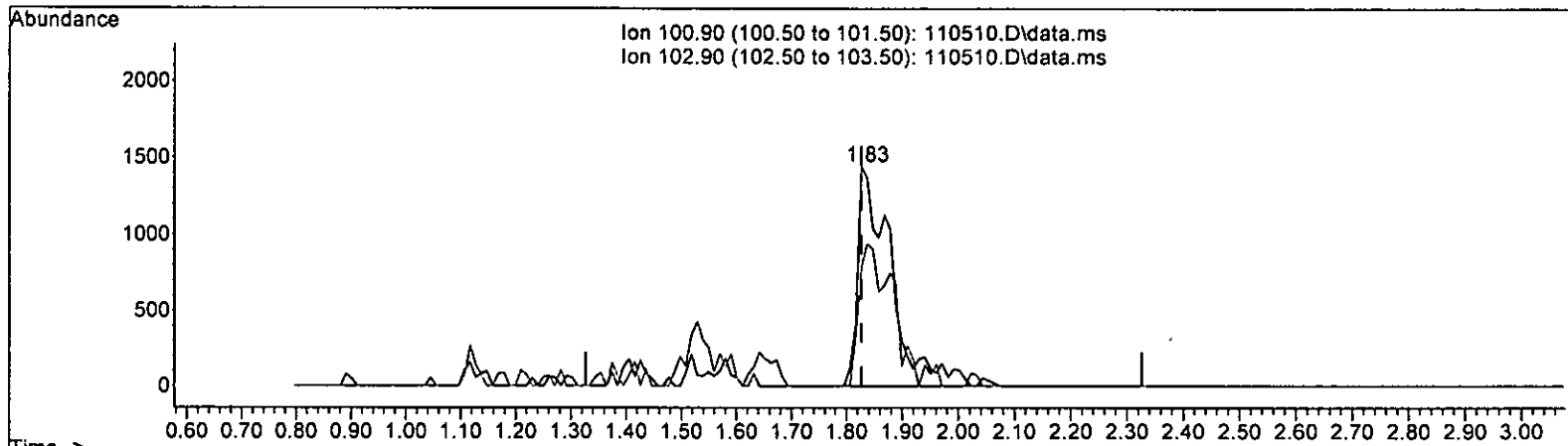
TIC: 110510.D\data.ms

(9) Trichlorofluoromethane (TMP)		
1.827min (-0.000)	0.426 ppb	
response	5341	
Ion	Exp%	Act%
100.90	100.00	100.00
102.90	65.30	54.74
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110510.D
 Acq On : 05 Nov 2022 01:07 pm
 Operator : VM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:17 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110510.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.827min (-0.000) 0.511 ppb m

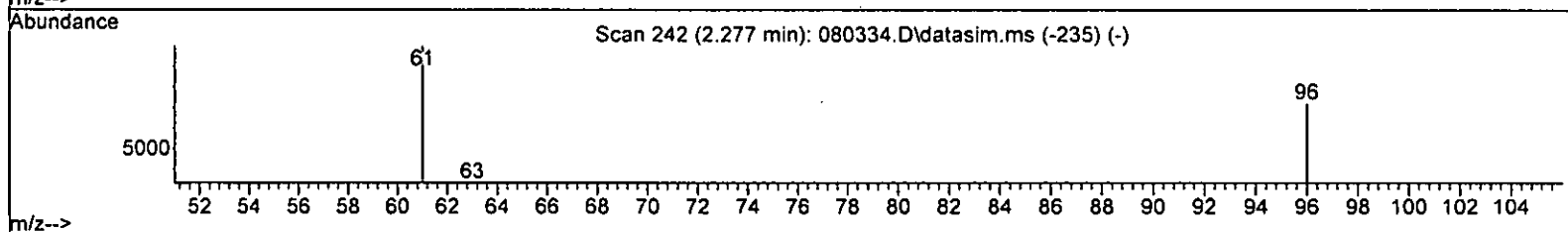
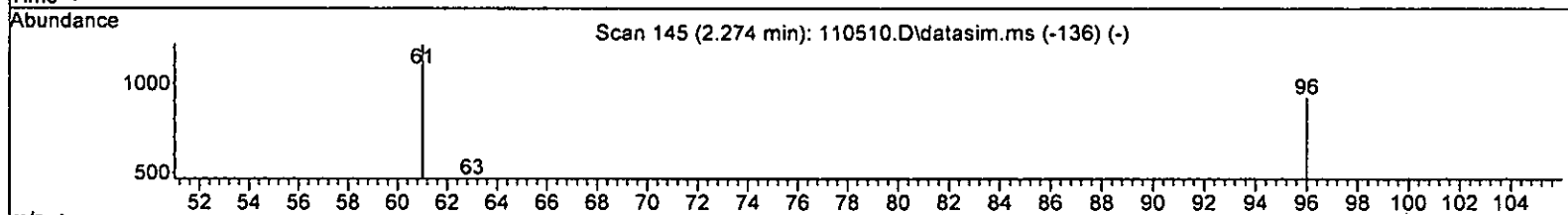
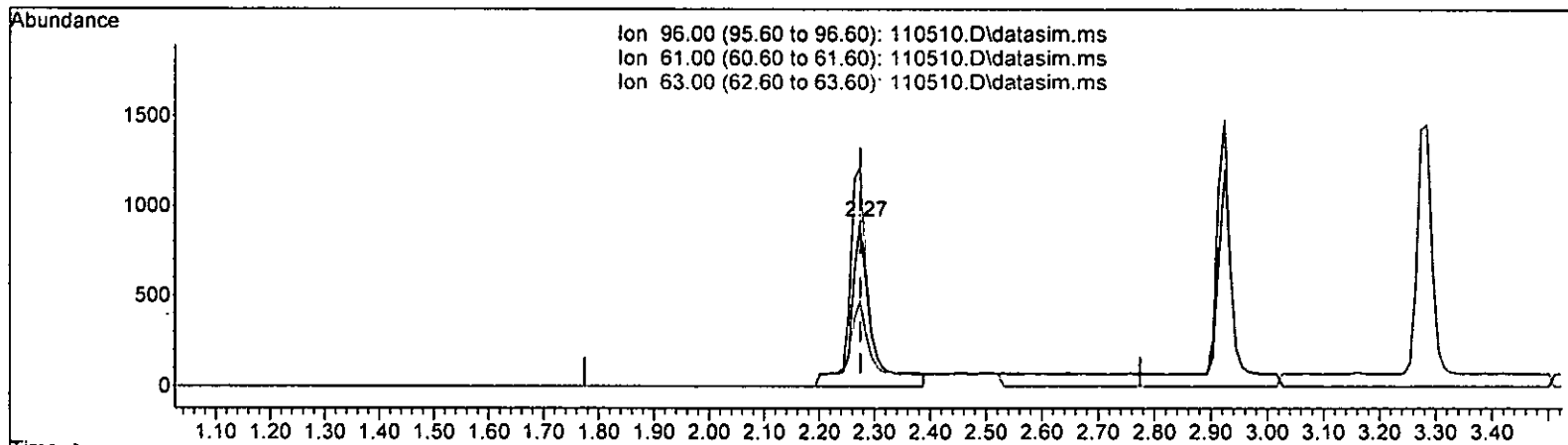
response 6405

Ion	Exp%	Act%
100.90	100.00	100.00
102.90	65.30	54.74
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110510.D
 Acq On : 05 Nov 2022 01:07 pm
 Operator : VM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:17 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110510.D\data.ms

(12) 1,1-Dichloroethene (TMP)

2.274min (-0.001) 0.721 ppb

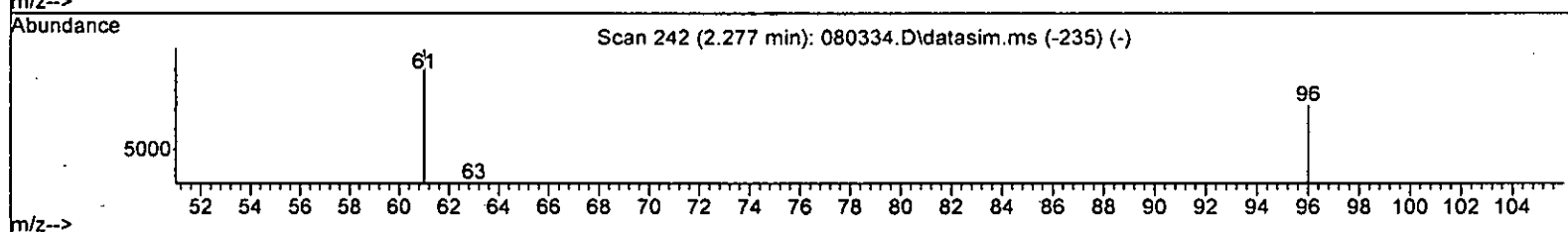
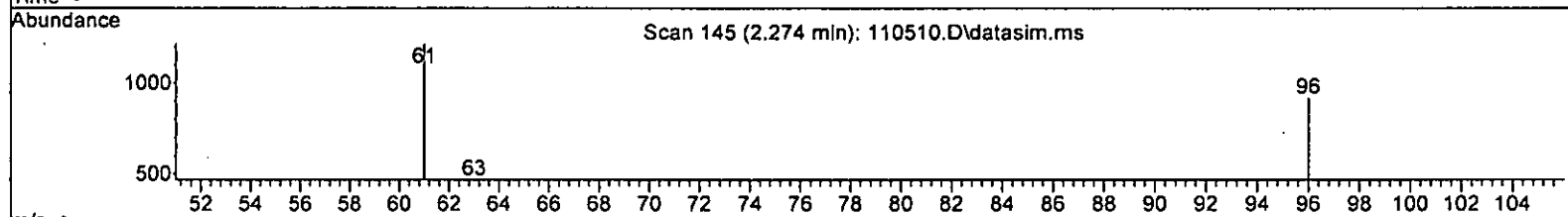
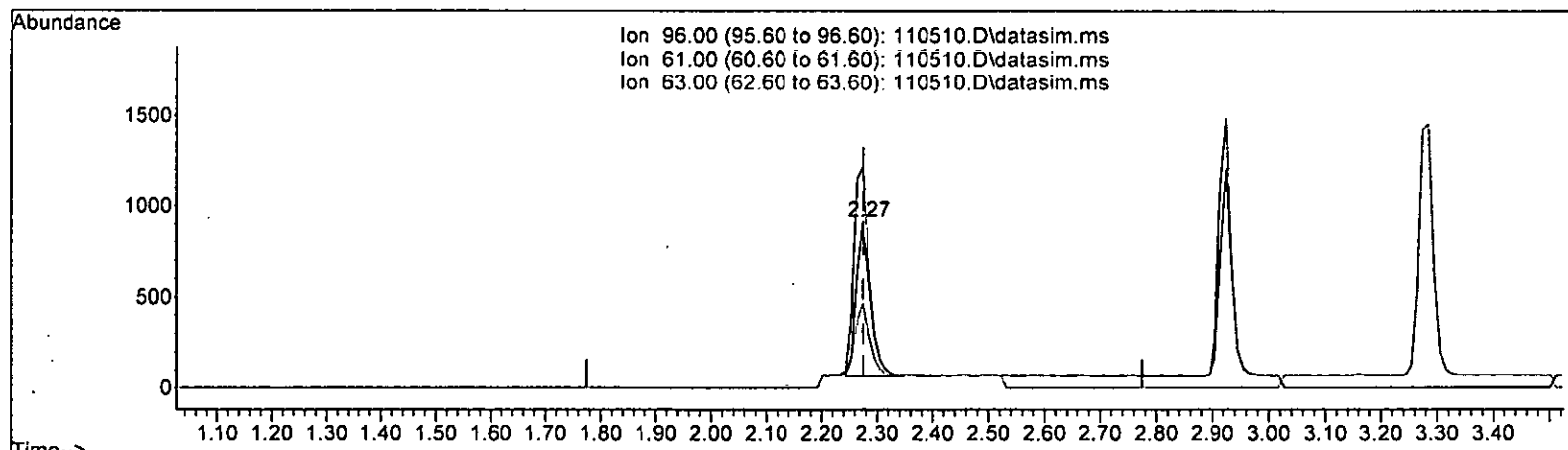
response 2292

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	120.90	132.72
63.00	43.90	50.93
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110510.D
 Acq On : 05 Nov 2022 01:07 pm
 Operator : VM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:17 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



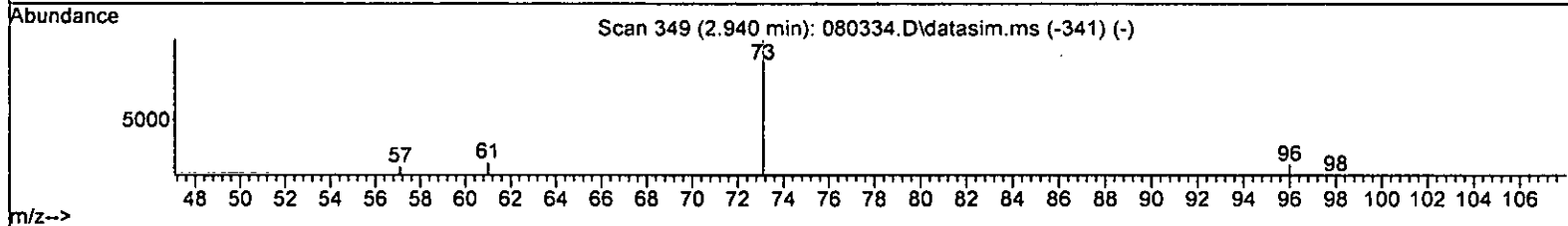
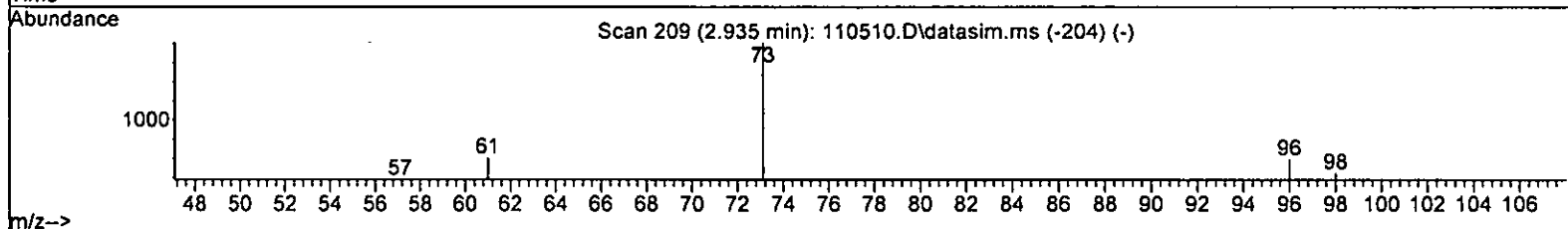
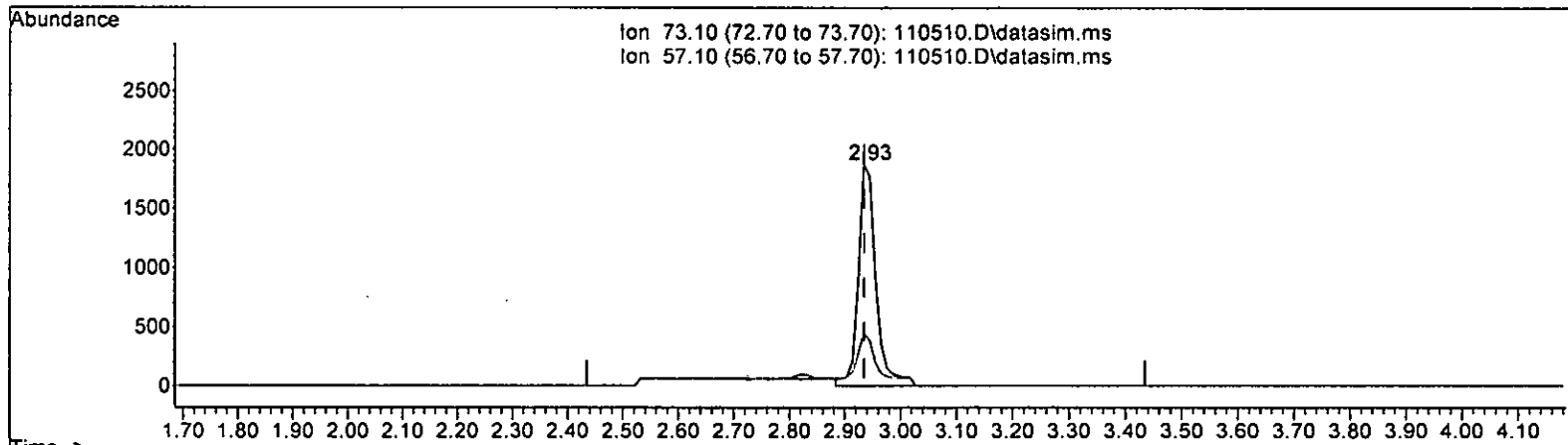
TIC: 110510.D\data.ms

(12)	1,1-Dichloroethene (TMP)	
2.274min (-0.001)	0.471 ppb m	
response	1498	
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	120.90	132.72
63.00	43.90	50.93
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110510.D
 Acq On : 05 Nov 2022 01:07 pm
 Operator : VM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:17 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110510.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

2.935min (-0.000) 0.550 ppb

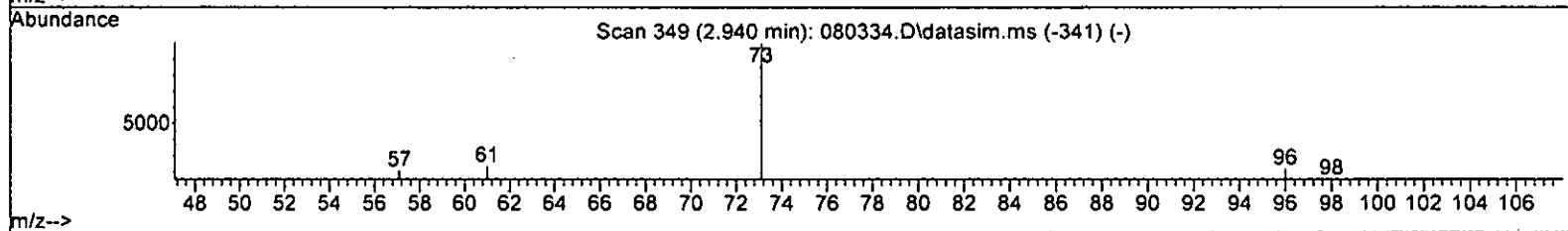
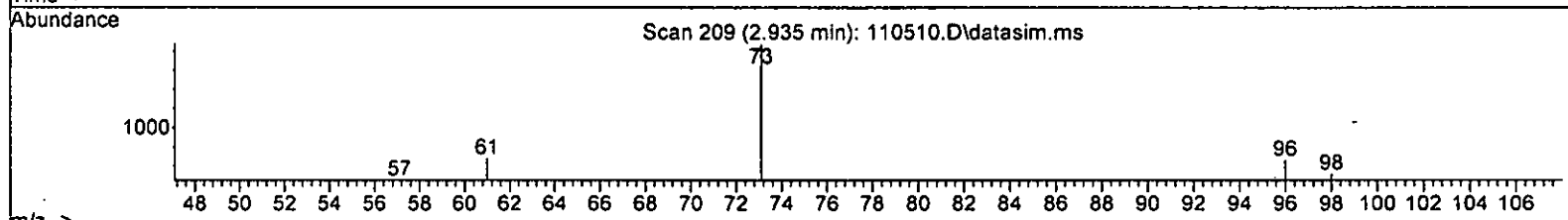
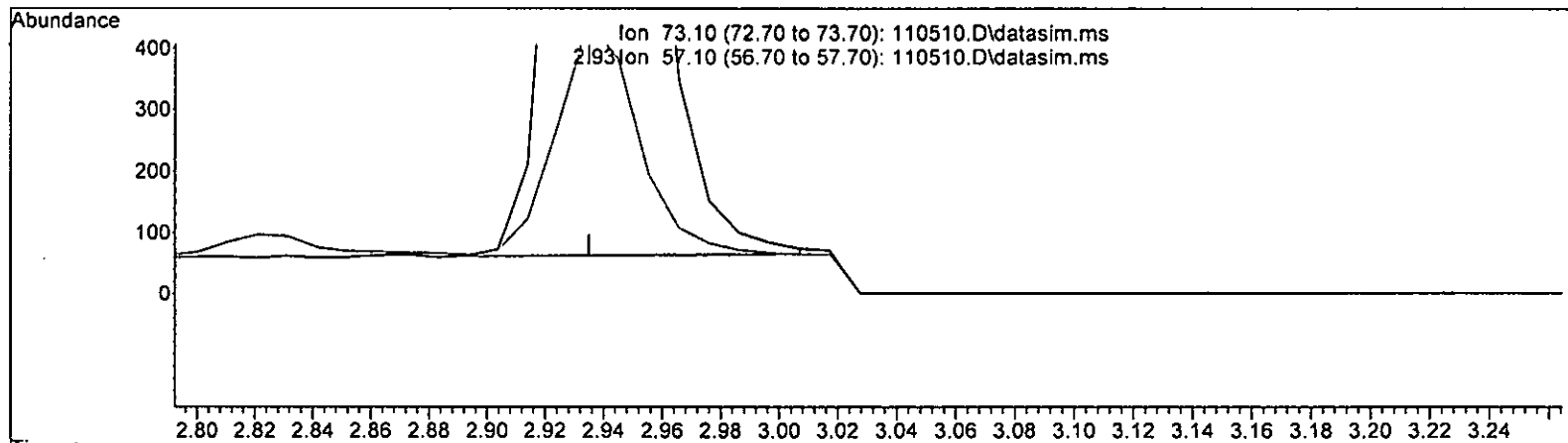
response 4087

Ion	Exp%	Act%
73.10	100.00	100.00
57.10	19.40	23.82
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110510.D
 Acq On : 05 Nov 2022 01:07 pm
 Operator : VM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:17 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110510.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

2.935min (-0.000) 0.482 ppb m

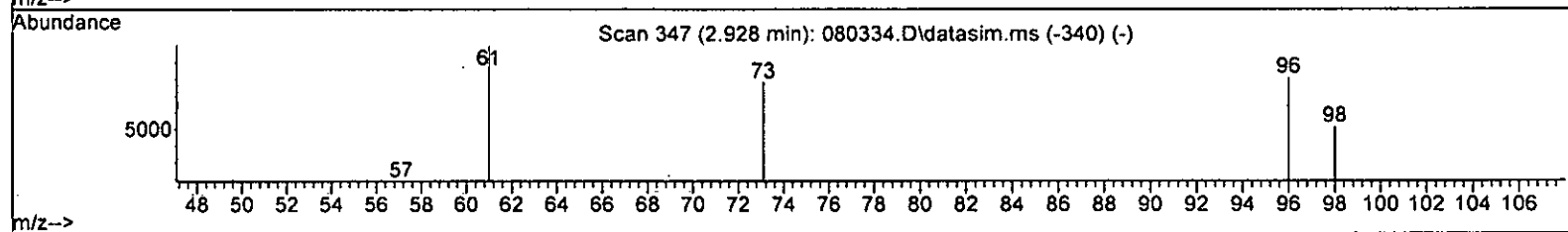
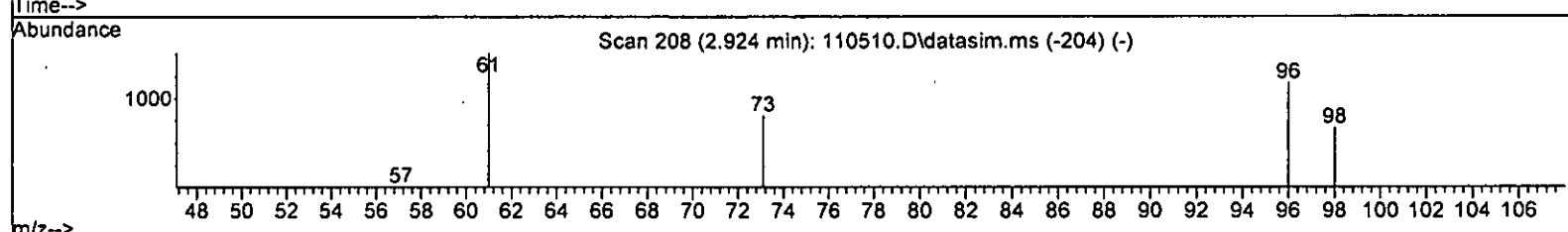
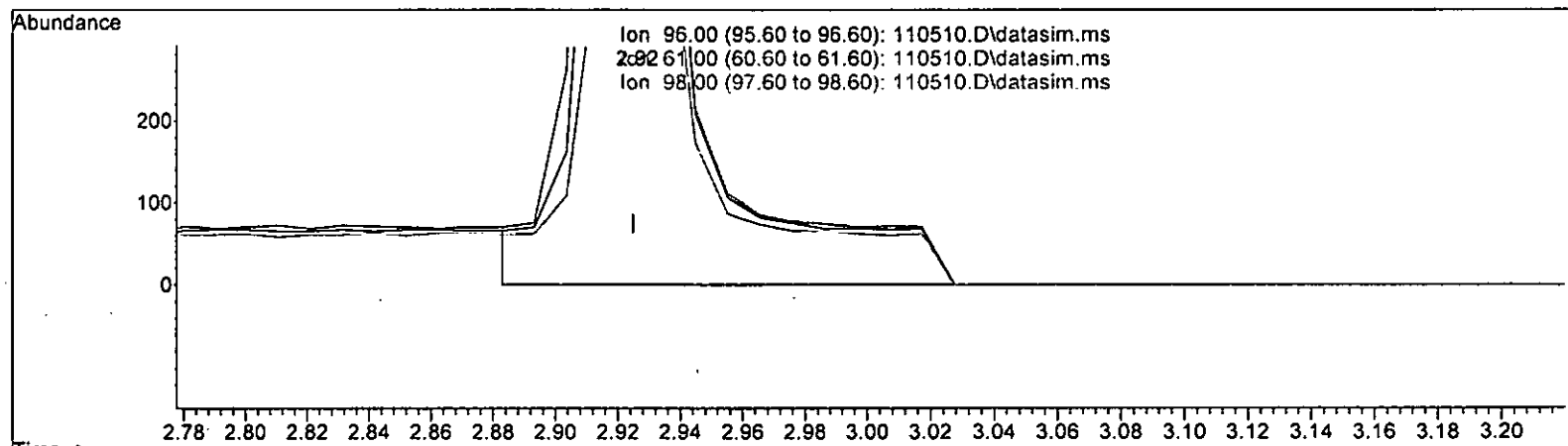
response 3577

Ion	Exp%	Act%
73.10	100.00	100.00
57.10	19.40	23.82
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110510.D
 Acq On : 05 Nov 2022 01:07 pm
 Operator : VM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:17 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110510.D\data.ms

(17) trans-1,2-Dichloroethene (TMP)

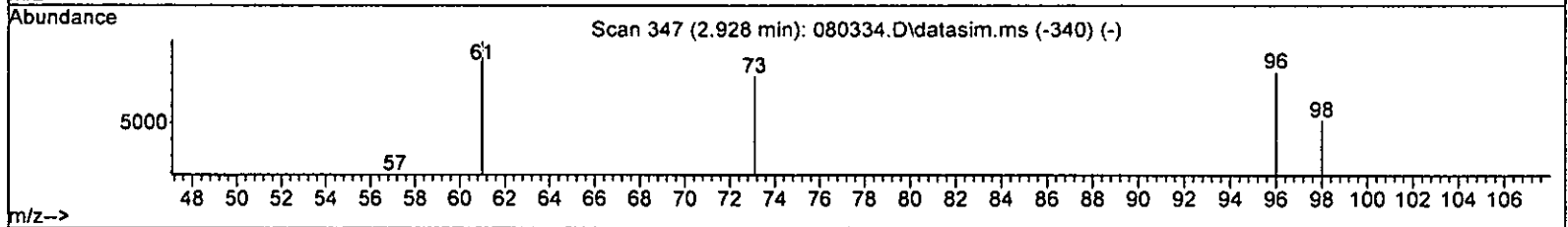
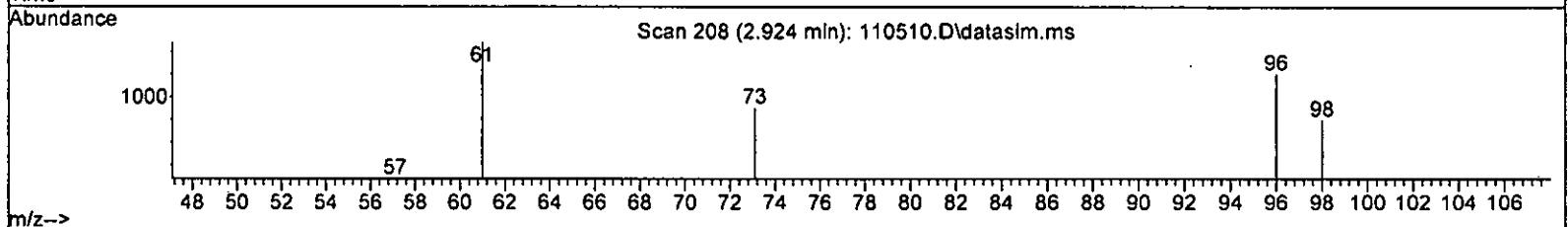
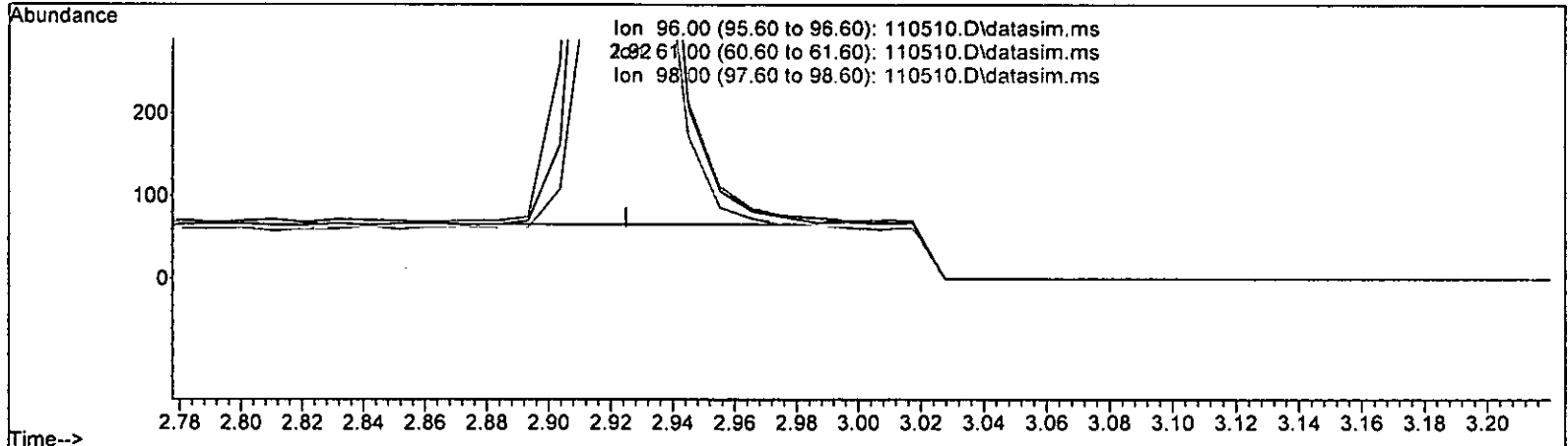
2.924min (-0.001) 0.617 ppb

response	2191	
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	108.70	123.04
98.00	67.30	66.06
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110510.D
 Acq On : 05 Nov 2022 01:07 pm
 Operator : VM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:17 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



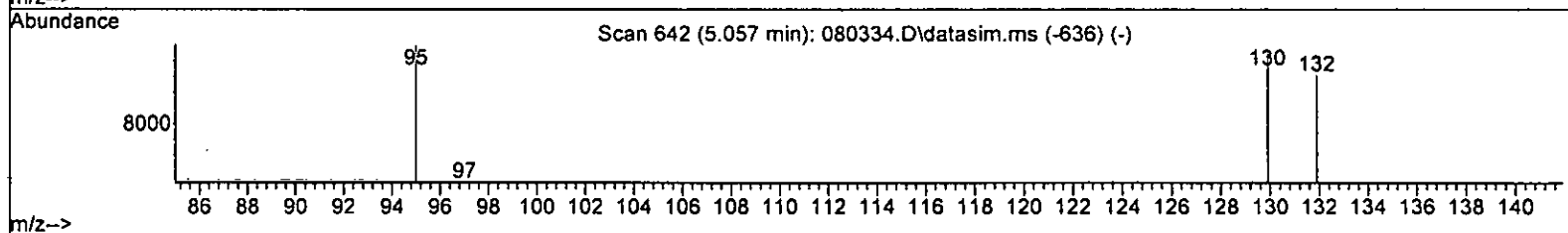
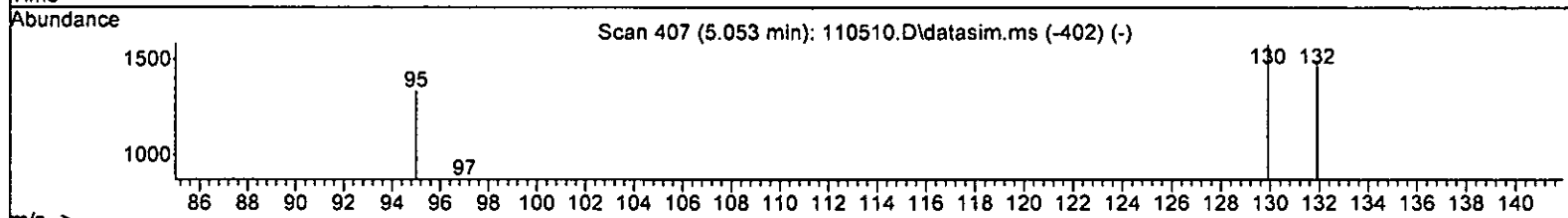
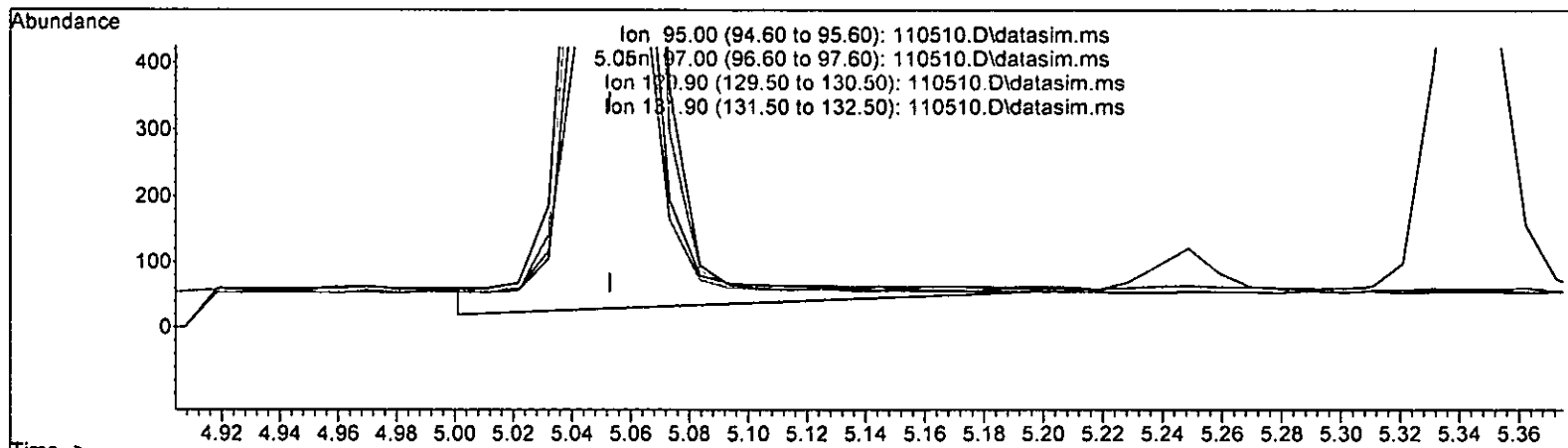
TIC: 110510.D\data.ms

(17) trans-1,2-Dichloroethene (TMP)			
2.924min (-0.001) 0.466 ppb m			
response	1656		
Ion	Exp%	Act%	
96.00	100.00	100.00	
61.00	108.70	123.04	
98.00	67.30	66.06	
0.00	0.00	0.00	

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110510.D
 Acq On : 05 Nov 2022 01:07 pm
 Operator : VM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:17 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



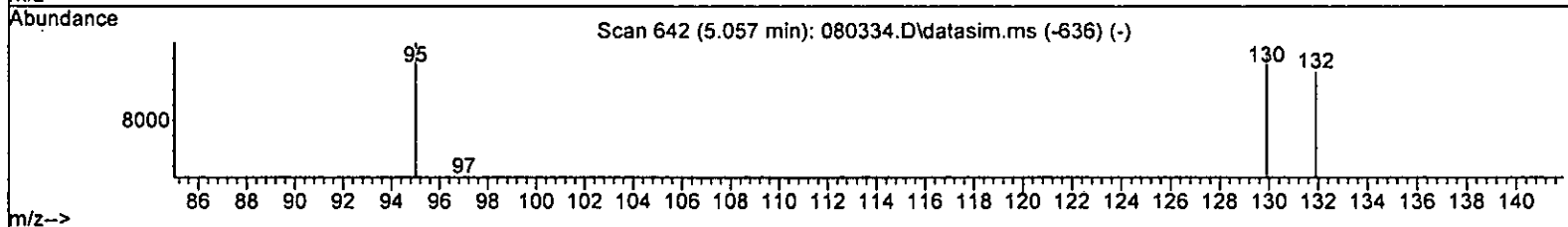
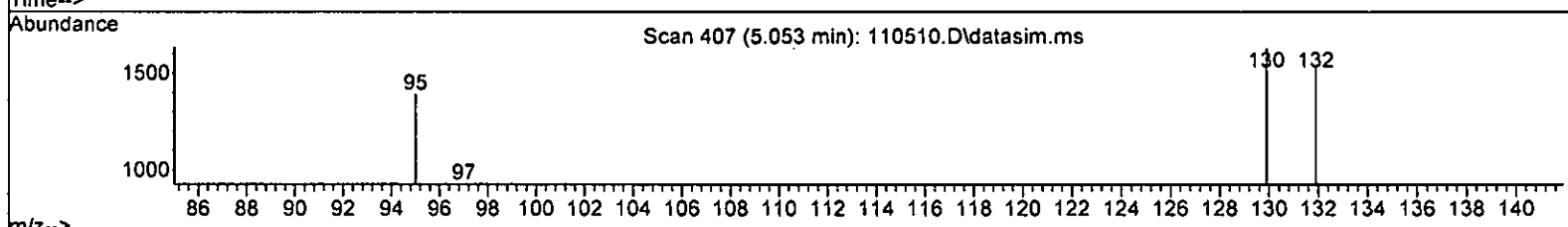
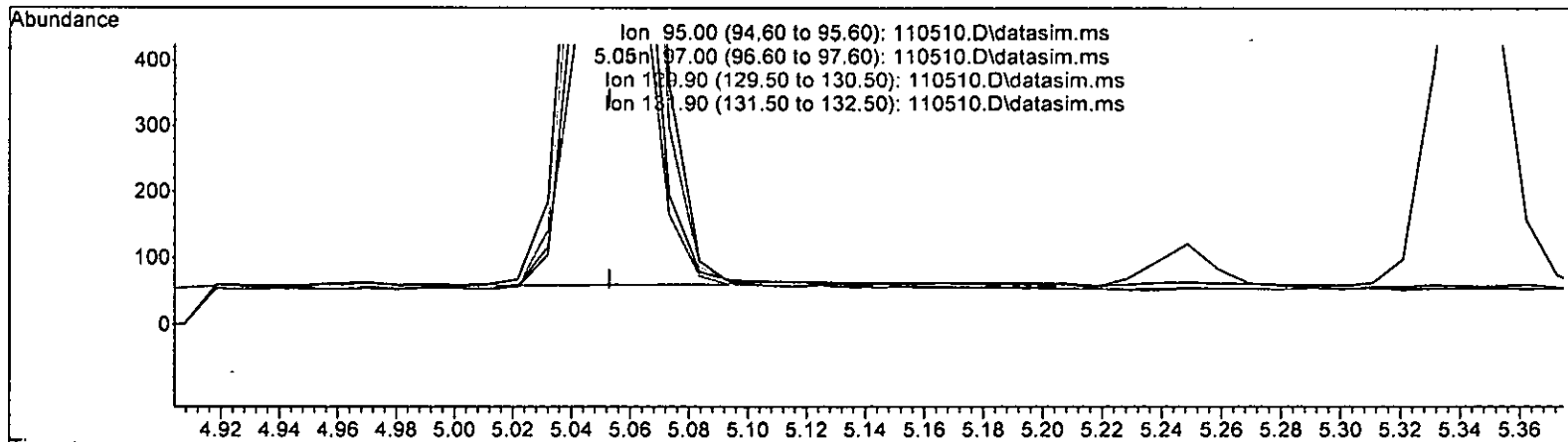
TIC: 110510.D\data.ms

(32) Trichloroethene (TME)		
5.053min (-0.000)	0.538 ppb	
response	2198	
Ion	Exp%	Act%
95.00	100.00	100.00
97.00	64.60	65.24
129.90	103.40	118.47
131.90	95.80	111.71

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110510.D
 Acq On : 05 Nov 2022 01:07 pm
 Operator : VM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:17 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110510.D\data.ms

(32) Trichloroethene (TMP)

5.053min (-0.000) 0.468 ppb m

response 1915

Ion	Exp%	Act%
95.00	100.00	100.00
97.00	64.60	66.62
129.90	103.40	117.41
131.90	95.80	110.94

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110510.D
 Acq On : 05 Nov 2022 01:07 pm
 Operator : VM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:17 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	4.75	96	111564	10.000	ppb	0.00	
39) Chlorobenzene-d5	7.40	117	90038	10.000	ppb	0.00	
56) 1,4-Dichlorobenzene-d4	9.62	152	50622	10.000	ppb	0.00	
System Monitoring Compounds							
3) Dibromofluoromethane	4.17	113	36119	10.096	ppb	0.00	
Spiked Amount	10.000	Range	50 - 150	Recovery	=	101.00%	
30) 1,2-Dichloroethane-d4	4.45	102	6567	9.472	ppb	0.00	
Spiked Amount	10.000	Range	84 - 120	Recovery	=	94.70%	
35) Toluene-d8	6.11	98	102563	9.639	ppb	0.00	
Spiked Amount	10.000	Range	73 - 128	Recovery	=	96.40%	
57) 4-Bromofluorobenzene	8.51	95	34829	9.985	ppb	0.00	
Spiked Amount	10.000	Range	57 - 146	Recovery	=	99.90%	
Target Compounds							
							Qvalue
2) Ethanol	2.31	45	242	No Calib			
4) Dichlorodifluoromethane	1.12	85	4960	0.556	ppb		95
5) Chloromethane	0.00		0	N.D.	d		
6] Vinyl chloride	1.34	62	2566m	0.451	ppb		
7) Bromomethane	0.00		0	N.D.	d		
8] Chloroethane	1.65	64	1286m	0.504	ppb		
9) Trichlorofluoromethane	1.83	101	6405m	0.511	ppb		
10] 2-Propanol	2.31	45	242	No Calib			
11) Acetone	2.33	58	1062	2.685	ppb		92
12] 1,1-Dichloroethene	2.27	96	1498m	0.471	ppb		
13) Hexane	0.00		0	N.D.	d		
14) Methylene chloride	0.00		0	N.D.	d		
15) t-Butyl alcohol (TBA)	0.00		0	N.D.	d		
16] Methyl t-butyl ether (...)	2.93	73	3577m	0.482	ppb		
17] trans-1,2-Dichloroethene	2.92	96	1656m	0.466	ppb		
18) Diisopropyl ether (DIPE)	3.35	45	3909	0.502	ppb		91
19] 1,1-Dichloroethane	3.28	63	2472	0.478	ppb		93
20] Ethyl t-butyl ether (E...)	3.66	87	1617	0.563	ppb	#	84
21) 2,2-Dichloropropane	3.77	77	1440	0.505	ppb		91
22] cis-1,2-Dichloroethene	3.77	96	1785	0.480	ppb		95
23) Chloroform	4.04	83	3271	0.544	ppb		93
24) 2-Butanone (MEK)	3.79	43	3644	2.364	ppb		93
25) t-Amyl methyl ether (T...)	4.61	73	2774	0.460	ppb		90
26] 1,2-Dichloroethane (EDC)	4.53	62	2459	0.505	ppb		96
27] 1,1,1-Trichloroethane	4.19	97	2484	0.462	ppb		92
28) 1,1-Dichloropropene	4.33	75	2049	0.490	ppb		87
29) Carbon tetrachloride	4.33	117	2913	0.538	ppb		74
31] Benzene	4.50	78	6008	0.482	ppb		98
32] Trichloroethene	5.05	95	1915m	0.468	ppb		
33) 1,2-Dichloropropane	5.24	63	1246	0.464	ppb		91
34) Bromodichloromethane	5.48	83	2208	0.512	ppb		87
36) Dibromomethane	5.35	93	1413	0.577	ppb		93

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110510.D
 Acq On : 05 Nov 2022 01:07 pm
 Operator : VM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS13

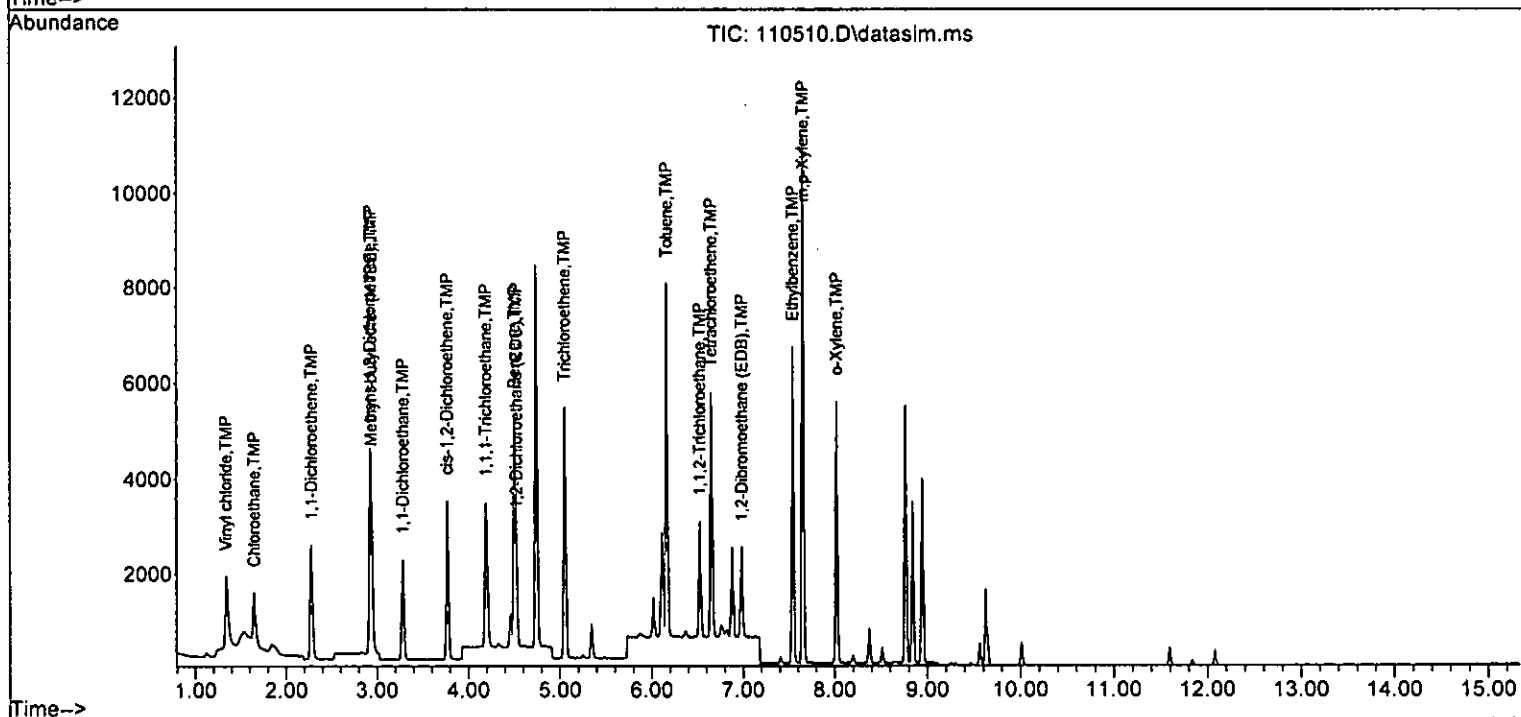
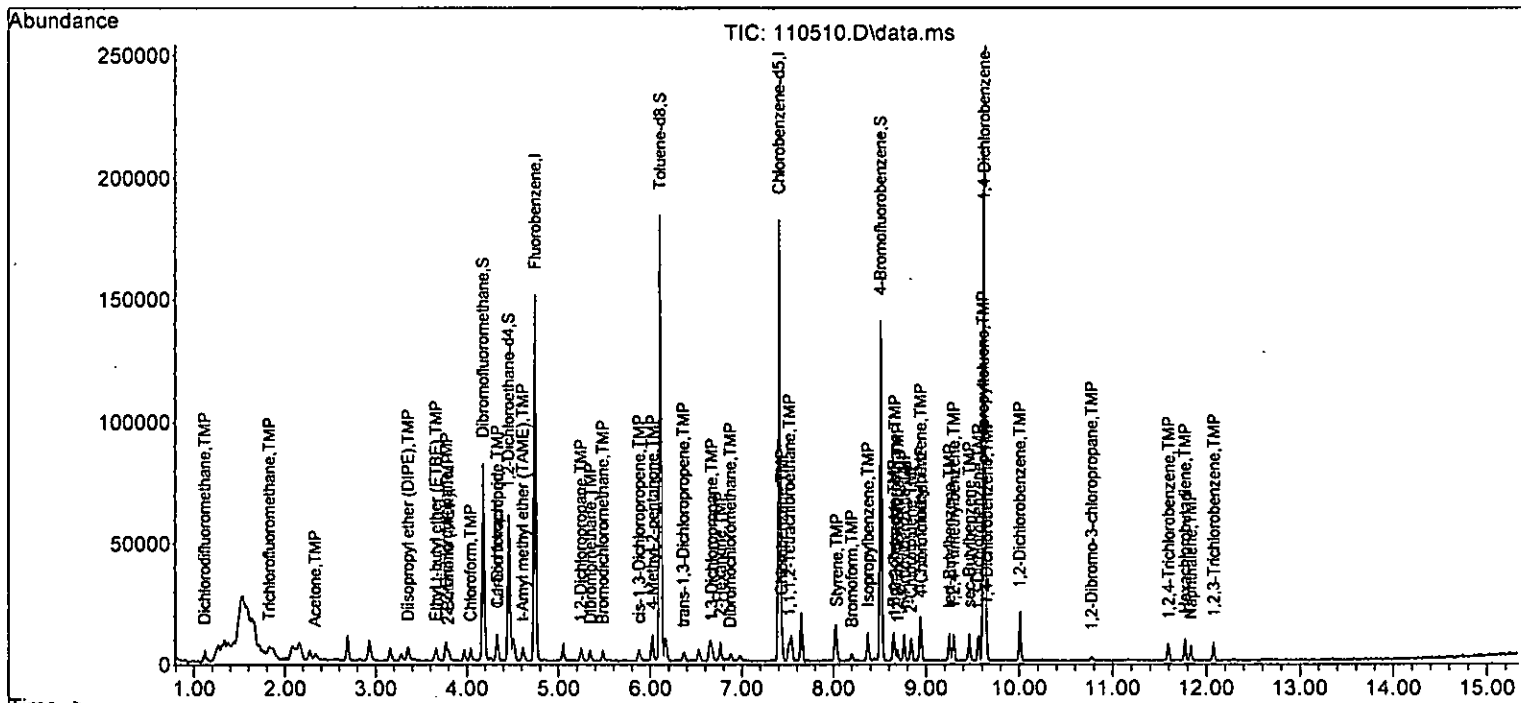
Quant Time: Nov 07 15:17:17 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	6.02	85	1234	2.607	ppb	92
38) cis-1,3-Dichloropropene	5.88	75	1991	0.496	ppb	75
40] Toluene	6.16	92	3797	0.510	ppb	97
41) trans-1,3-Dichloropropene	6.36	75	1400	0.451	ppb	80
42] 1,1,2-Trichloroethane	6.53	83	1209	0.505	ppb	94
43) 2-Hexanone	6.76	43	4462	2.614	ppb	91
44) 1,3-Dichloropropane	6.67	76	2024	0.492	ppb	96
45] Tetrachloroethene	6.65	164	1919	0.522	ppb	97
46) Dibromochloromethane	6.87	129	1798	0.440	ppb	94
47] 1,2-Dibromoethane (EDB)	6.98	107	1474	0.455	ppb	97
48) Chlorobenzene	7.43	112	4834	0.541	ppb	94
49] Ethylbenzene	7.54	91	6733	0.480	ppb	96
50] 1,1,1,2-Tetrachloroethane	7.52	131	1772	0.509	ppb	91
51] m,p-Xylene	7.65	106	5123	0.930	ppb	93
52] o-Xylene	8.02	106	2479	0.466	ppb	92
53) Styrene	8.03	104	3761	0.471	ppb	99
54) Isopropylbenzene	8.37	105	5911	0.457	ppb	89
55) Bromoform	8.20	173	1341	0.498	ppb	92
58) n-Propylbenzene	8.77	91	6959	0.509	ppb	91
59) Bromobenzene	8.65	156	2039	0.481	ppb	91
60] 1,3,5-Trimethylbenzene	8.94	105	4779	0.480	ppb	88
61] 1,1,2,2-Tetrachloroethane	8.66	83	1676	0.471	ppb	97
62] 1,2,3-Trichloropropane	8.70	75	1478	0.600	ppb	87
63) 2-Chlorotoluene	8.84	91	4404	0.538	ppb	86
64) 4-Chlorotoluene	8.95	91	5220	0.539	ppb	90
65) tert-Butylbenzene	9.25	119	4875	0.493	ppb	91
66) 1,2,4-Trimethylbenzene	9.30	105	4680	0.463	ppb	83
67) sec-Butylbenzene	9.46	105	6241	0.470	ppb	89
68) p-Isopropyltoluene	9.61	119	5572	0.461	ppb	91
69) 1,3-Dichlorobenzene	9.56	146	3918	0.506	ppb	94
70] 1,4-Dichlorobenzene	9.65	146	3747	0.473	ppb	92
71] 1,2-Dichlorobenzene	10.01	146	3473	0.472	ppb	98
72] 1,2-Dibromo-3-chloropr...	10.77	75	298	0.546	ppb #	73
73) 1,2,4-Trichlorobenzene	11.60	180	2240	0.456	ppb	98
74) Hexachlorobutadiene	11.77	225	1571	0.517	ppb	91
75) Naphthalene	11.83	128	4029	0.509	ppb	89
76) 1,2,3-Trichlorobenzene	12.08	180	1986	0.464	ppb	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110510.D
 Acq On : 05 Nov 2022 01:07 pm
 Operator : VM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:17 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110510.D
 Acq On : 05 Nov 2022 01:07 pm
 Operator : VM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:17 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I Fluorobenzene	10.000	10.000	0.0	100	0.00
2 TMP Ethanol	-1.000	0.000	0.0	0	-0.02
3 S Dibromofluoromethane	10.000	10.096	-1.0	100	0.00
4 TMP Dichlorodifluoromethane	0.500	0.556	-11.2	100	0.00
5 TMP Chloromethane	-1.000	0.000	0.0	0	-1.26#
6 TMP Vinyl chloride	0.500	0.451	9.8	96	0.00
7 TMP Bromomethane	-1.000	0.000	0.0	0	-1.58#
8 TMP Chloroethane	0.500	0.504	-0.8	109	0.00
9 TMP Trichlorofluoromethane	0.500	0.511	-2.2	120	0.00
10 TMP 2-Propanol	-1.000	0.000	0.0	0	-0.02
11 TMP Acetone	2.500	2.685	-7.4	100	0.00
12 TMP 1,1-Dichloroethene	0.500	0.471	5.8	100	0.00
13 TMP Hexane	-1.000	0.000	0.0	0	-3.16#
14 TMP Methylene chloride	-1.000	0.000	0.0	0	-2.68#
15 TMP t-Butyl alcohol (TBA)	-1.000	0.000	0.0	0	-2.82#
16 TMP Methyl t-butyl ether (MTBE)	0.500	0.482	3.6	101	0.00
17 TMP trans-1,2-Dichloroethene	0.500	0.466	6.8	97	0.00
18 TMP Diisopropyl ether (DIPE)	0.500	0.502	-0.4	100	0.00
19 TMP 1,1-Dichloroethane	0.500	0.478	4.4	100	0.00
20 TMP Ethyl t-butyl ether (ETBE)	0.500	0.563	-12.6	100	0.00
21 TMP 2,2-Dichloropropane	0.500	0.505	-1.0	100	0.00
22 TMP cis-1,2-Dichloroethene	0.500	0.480	4.0	100	0.00
23 TMP Chloroform	0.500	0.544	-8.8	100	0.00
24 TMP 2-Butanone (MEK)	2.500	2.364	5.4	105	0.00
25 TMP t-Amyl methyl ether (TAME)	0.500	0.460	8.0	100	0.00
26 TMP 1,2-Dichloroethane (EDC)	0.500	0.505	-1.0	103	0.00
27 TMP 1,1,1-Trichloroethane	0.500	0.462	7.6	100	0.00
28 TMP 1,1-Dichloropropane	0.500	0.490	2.0	100	0.00
29 TMP Carbon tetrachloride	0.500	0.538	-7.6	100	0.00
30 S 1,2-Dichloroethane-d4	10.000	9.472	5.3	100	0.00
31 TMP Benzene	0.500	0.482	3.6	100	0.00
32 TMP Trichloroethene	0.500	0.468	6.4	100	0.00
33 TMP 1,2-Dichloropropane	0.500	0.464	7.2	100	0.00
34 TMP Bromodichloromethane	0.500	0.512	-2.4	100	0.00
35 S Toluene-d8	10.000	9.639	3.6	100	0.00
36 TMP Dibromomethane	0.500	0.577	-15.4	100	0.00
37 TMP 4-Methyl-2-pentanone	2.500	2.607	-4.3	104	0.00
38 TMP cis-1,3-Dichloropropene	0.500	0.496	0.8	100	0.00
39 I Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40 TMP Toluene	0.500	0.510	-2.0	100	0.00
41 TMP trans-1,3-Dichloropropene	0.500	0.451	9.8	100	0.00
42 TMP 1,1,2-Trichloroethane	0.500	0.505	-1.0	100	0.00
43 TMP 2-Hexanone	2.500	2.614	-4.6	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110510.D
 Acq On : 05 Nov 2022 01:07 pm
 Operator : VM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:17 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.500	0.492	1.6	100	-0.01
45 TMP Tetrachloroethene	0.500	0.522	-4.4	100	0.00
46 TMP Dibromochloromethane	0.500	0.440	12.0	100	-0.01
47 TMP 1,2-Dibromoethane (EDB)	0.500	0.455	9.0	100	0.00
48 TMP Chlorobenzene	0.500	0.541	-8.2	100	0.00
49 TMP Ethylbenzene	0.500	0.480	4.0	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.500	0.509	-1.8	100	0.00
51 TMP m,p-Xylene	1.000	0.930	7.0	100	0.00
52 TMP o-Xylene	0.500	0.466	6.8	100	0.00
53 TMP Styrene	0.500	0.471	5.8	100	0.00
54 TMP Isopropylbenzene	0.500	0.457	8.6	100	0.00
55 TMP Bromoform	0.500	0.498	0.4	100	0.00
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	10.000	9.985	0.2	100	0.00
58 TMP n-Propylbenzene	0.500	0.509	-1.8	100	0.00
59 TMP Bromobenzene	0.500	0.481	3.8	100	0.00
60 TMP 1,3,5-Trimethylbenzene	0.500	0.480	4.0	101	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.500	0.471	5.8	100	0.00
62 TMP 1,2,3-Trichloropropane	0.500	0.600	-20.0	100	0.00
63 TMP 2-Chlorotoluene	0.500	0.538	-7.6	100	0.00
64 TMP 4-Chlorotoluene	0.500	0.539	-7.8	100	0.00
65 TMP tert-Butylbenzene	0.500	0.493	1.4	100	0.00
66 TMP 1,2,4-Trimethylbenzene	0.500	0.463	7.4	100	0.00
67 TMP sec-Butylbenzene	0.500	0.470	6.0	100	0.00
68 TMP p-Isopropyltoluene	0.500	0.461	7.8	100	0.00
69 TMP 1,3-Dichlorobenzene	0.500	0.506	-1.2	100	0.00
70 TMP 1,4-Dichlorobenzene	0.500	0.473	5.4	100	0.00
71 TMP 1,2-Dichlorobenzene	0.500	0.472	5.6	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	-1.000	0.546	0.0	0	0.00
73 TMP 1,2,4-Trichlorobenzene	0.500	0.456	8.8	100	0.00
74 TMP Hexachlorobutadiene	0.500	0.517	-3.4	100	0.00
75 TMP Naphthalene	0.500	0.509	-1.8	100	0.00
76 TMP 1,2,3-Trichlorobenzene	0.500	0.464	7.2	100	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110510.D
 Acq On : 05 Nov 2022 01:07 pm
 Operator : VM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:17 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I Fluorobenzene	1.000	1.000	0.0	100	0.00
2 TMP Ethanol	0.000	0.000#	0.0	0#	-0.02
3 S Dibromofluoromethane	0.321	0.324	-0.9	100	0.00
4 TMP Dichlorodifluoromethane	0.800	0.889	-11.1	100	0.00
5 TMP Chloromethane	0.488	0.000#	100.0#	0#	-1.26#
6 TMP Vinyl chloride	0.510	0.460	9.8	96	0.00
7 TMP Bromomethane	0.432	0.000#	100.0#	0#	-1.58#
8 TMP Chloroethane	0.229	0.231	-0.9	109	0.00
9 TMP Trichlorofluoromethane	1.123	1.148	-2.2	120	0.00
10 TMP 2-Propanol	0.000	0.000	0.0	0#	-0.02
11 TMP Acetone	0.029	0.038	-31.0#	100	0.00
12 TMP 1,1-Dichloroethene	0.285	0.269	5.6	100	0.00
13 TMP Hexane	0.323	0.000#	100.0#	0#	-3.16#
14 TMP Methylene chloride	0.289	0.000#	100.0#	0#	-2.68#
15 TMP t-Butyl alcohol (TBA)	0.024	0.000#	100.0#	0#	-2.82#
16 TMP Methyl t-butyl ether (MTBE)	0.666	0.641	3.8	101	0.00
17 TMP trans-1,2-Dichloroethene	0.318	0.297	6.6	97	0.00
18 TMP Diisopropyl ether (DIPE)	0.698	0.701	-0.4	100	0.00
19 TMP 1,1-Dichloroethane	0.463	0.443	4.3	100	0.00
20 TMP Ethyl t-butyl ether (ETBE)	0.258	0.290	-12.4	100	0.00
21 TMP 2,2-Dichloropropane	0.258	0.258	0.0	100	0.00
22 TMP cis-1,2-Dichloroethene	0.333	0.320	3.9	100	0.00
23 TMP Chloroform	0.539	0.586	-8.7	100	0.00
24 TMP 2-Butanone (MEK)	0.132	0.131	0.8	105	0.00
25 TMP t-Amyl methyl ether (TAME)	0.540	0.497#	8.0	100	0.00
26 TMP 1,2-Dichloroethane (EDC)	0.465	0.441	5.2	103	0.00
27 TMP 1,1,1-Trichloroethane	0.482	0.445	7.7	100	0.00
28 TMP 1,1-Dichloropropene	0.370	0.367	0.8	100	0.00
29 TMP Carbon tetrachloride	0.485	0.522	-7.6	100	0.00
30 S 1,2-Dichloroethane-d4	0.062	0.059	4.8	100	0.00
31 TMP Benzene	1.118	1.077	3.7	100	0.00
32 TMP Trichloroethene	0.367	0.343	6.5	100	0.00
33 TMP 1,2-Dichloropropane	0.241	0.223	7.5	100	0.00
34 TMP Bromodichloromethane	0.387	0.396	-2.3	100	0.00
35 S Toluene-d8	0.954	0.919	3.7	100	0.00
36 TMP Dibromomethane	0.219	0.253	-15.5	100	0.00
37 TMP 4-Methyl-2-pentanone	0.042	0.044	-4.8	104	0.00
38 TMP cis-1,3-Dichloropropene	0.360	0.357	0.8	100	0.00
39 I Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40 TMP Toluene	0.907	0.843	7.1	100	0.00
41 TMP trans-1,3-Dichloropropene	0.366	0.311	15.0	100	0.00
42 TMP 1,1,2-Trichloroethane	0.285	0.269	5.6	100	0.00
43 TMP 2-Hexanone	0.190	0.198	-4.2	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110510.D
 Acq On : 05 Nov 2022 01:07 pm
 Operator : VM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:17 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.457	0.450	1.5	100	-0.01
45 TMP Tetrachloroethene	0.460	0.426	7.4	100	0.00
46 TMP Dibromochloromethane	0.451	0.399	11.5	100	-0.01
47 TMP 1,2-Dibromoethane (EDB)	0.360	0.327	9.2	100	0.00
48 TMP Chlorobenzene	0.993	1.074	-8.2	100	0.00
49 TMP Ethylbenzene	1.557	1.496	3.9	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.387	0.394	-1.8	100	0.00
51 TMP m,p-Xylene	0.612	0.569	7.0	100	0.00
52 TMP o-Xylene	0.591	0.551	6.8	100	0.00
53 TMP Styrene	0.887	0.835	5.9	100	0.00
54 TMP Isopropylbenzene	1.435	1.313	8.5	100	0.00
55 TMP Bromoform	0.299	0.298	0.3	100	0.00
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	0.689	0.688	0.1	100	0.00
58 TMP n-Propylbenzene	2.700	2.749	-1.8	100	0.00
59 TMP Bromobenzene	0.837	0.806	3.7	100	0.00
60 TMP 1,3,5-Trimethylbenzene	1.968	1.888	4.1	101	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.626	0.662	-5.8	100	0.00
62 TMP 1,2,3-Trichloropropane	0.486	0.584	-20.2#	100	0.00
63 TMP 2-Chlorotoluene	1.617	1.740	-7.6	100	0.00
64 TMP 4-Chlorotoluene	1.912	2.062	-7.8	100	0.00
65 TMP tert-Butylbenzene	1.952	1.926	1.3	100	0.00
66 TMP 1,2,4-Trimethylbenzene	1.996	1.849	7.4	100	0.00
67 TMP sec-Butylbenzene	2.624	2.466	6.0	100	0.00
68 TMP p-Isopropyltoluene	2.387	2.201	7.8	100	0.00
69 TMP 1,3-Dichlorobenzene	1.530	1.548	-1.2	100	0.00
70 TMP 1,4-Dichlorobenzene	1.564	1.480	5.4	100	0.00
71 TMP 1,2-Dichlorobenzene	1.455	1.372	5.7	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	0.108	0.000#	100.0#	0#	0.00
73 TMP 1,2,4-Trichlorobenzene	0.971	0.885	8.9	100	0.00
74 TMP Hexachlorobutadiene	0.600	0.621	-3.5	100	0.00
75 TMP Naphthalene	1.833	1.592	13.1	100	0.00
76 TMP 1,2,3-Trichlorobenzene	0.846	0.785	7.2	100	0.00

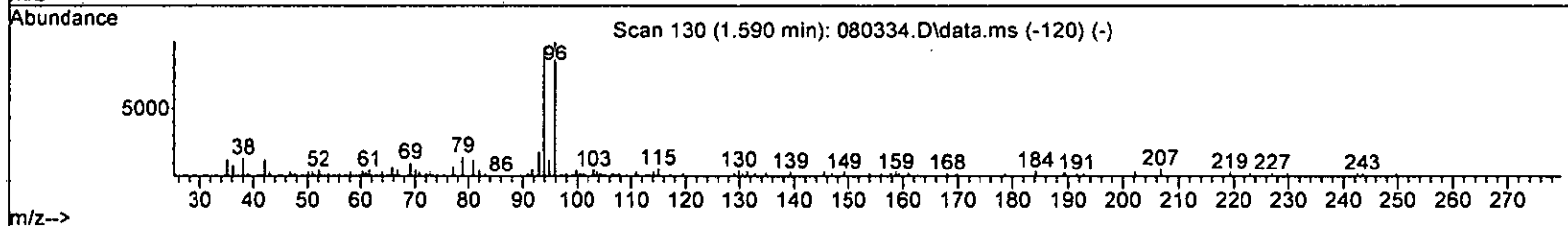
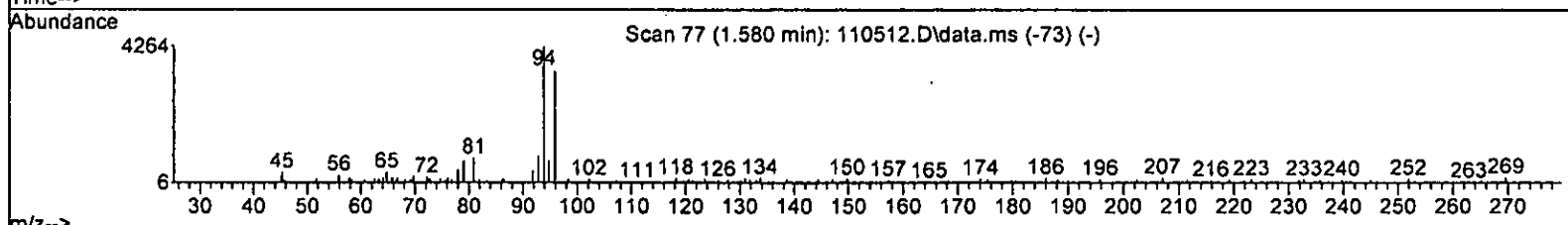
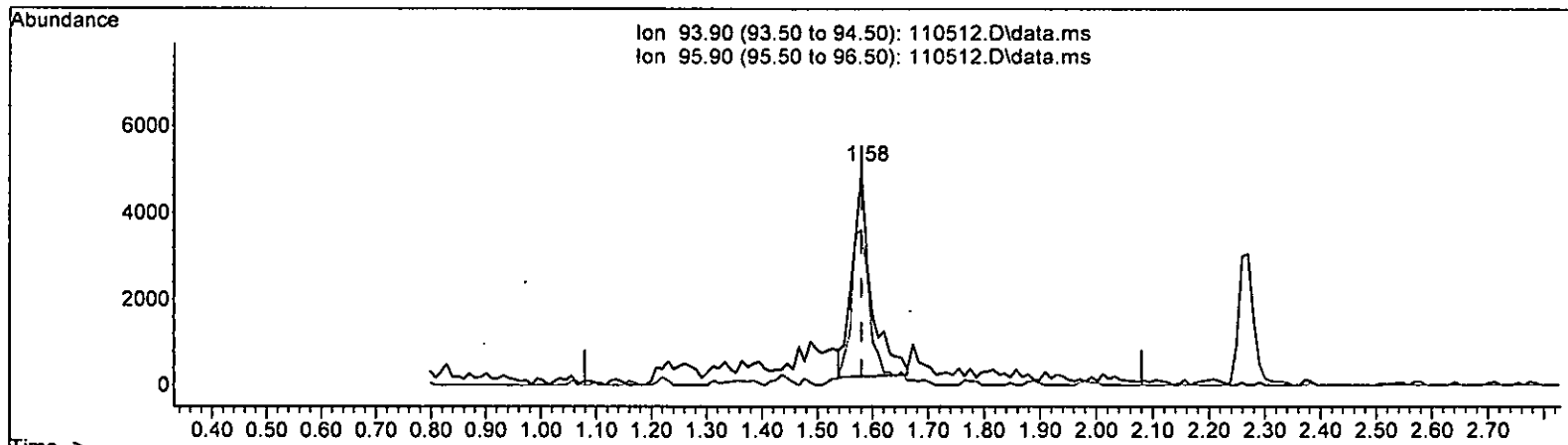
(#) = Out of Range

SPCC's out = 8 CCC's out = 0

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110512.D
 Acq On : 05 Nov 2022 01:53 pm
 Operator : VM
 Sample : 2 ppb 8260 ICAL 67-177L
 Misc : soil/water
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:21 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



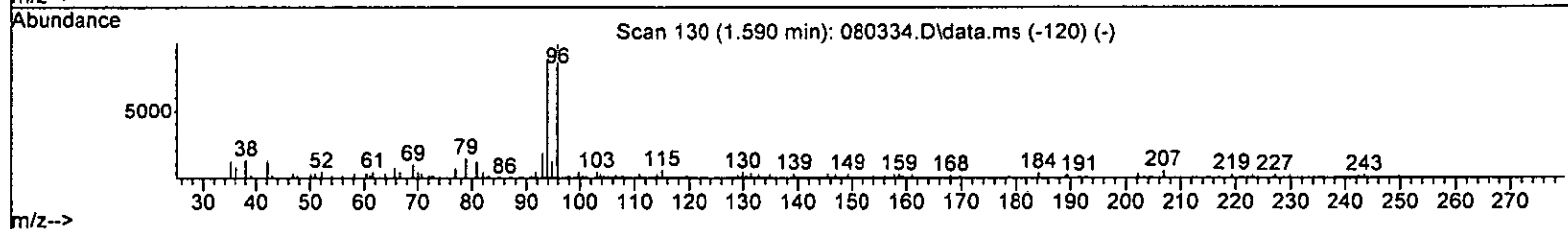
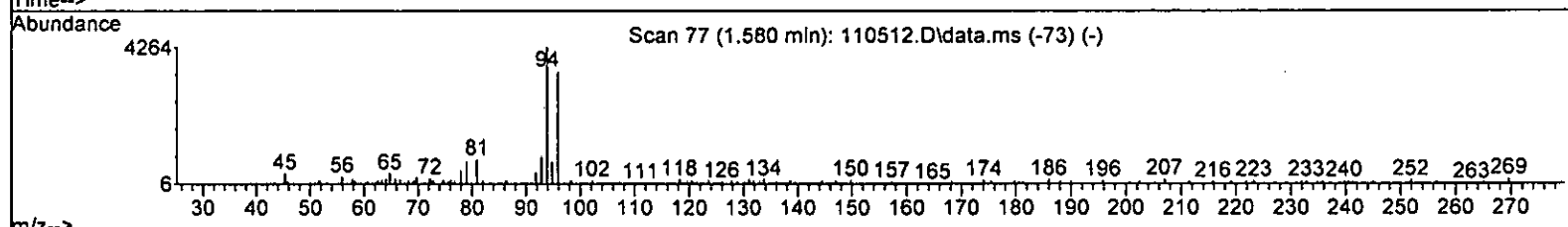
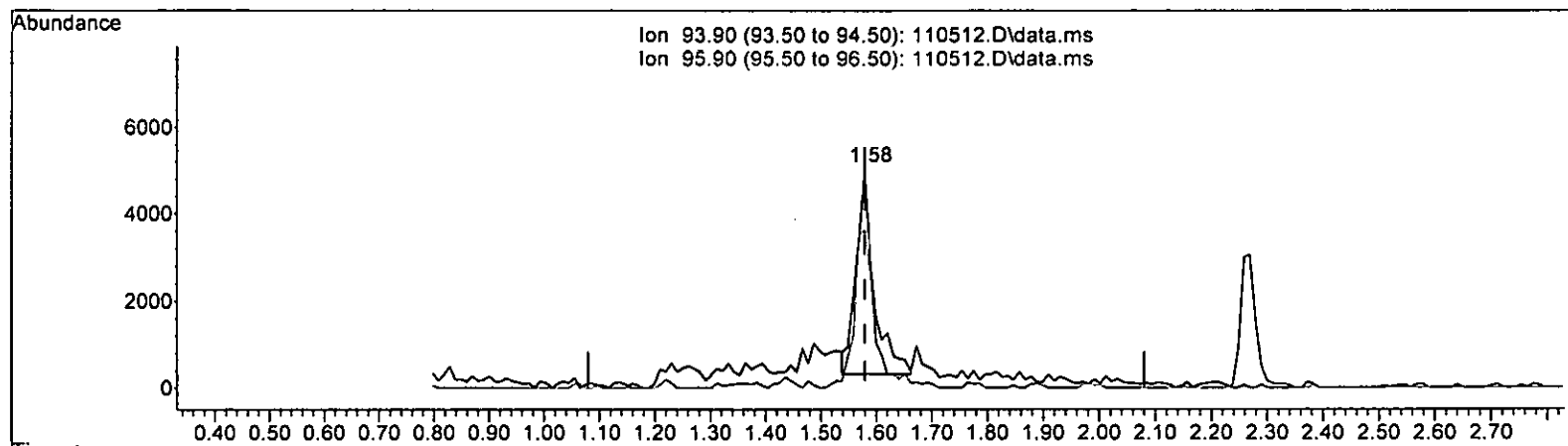
TIC: 110512.D\data.ms

(7) Bromomethane (TMP)		
Time	Response	Concentration
1.580min (-0.000)	11183	2.389 ppb
Ion	Exp%	Act%
93.90	100.00	100.00
95.90	93.50	74.28
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110512.D
 Acq On : 05 Nov 2022 01:53 pm
 Operator : VM
 Sample : 2 ppb 8260 ICAL 67-177L
 Misc : soil/water
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:21 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



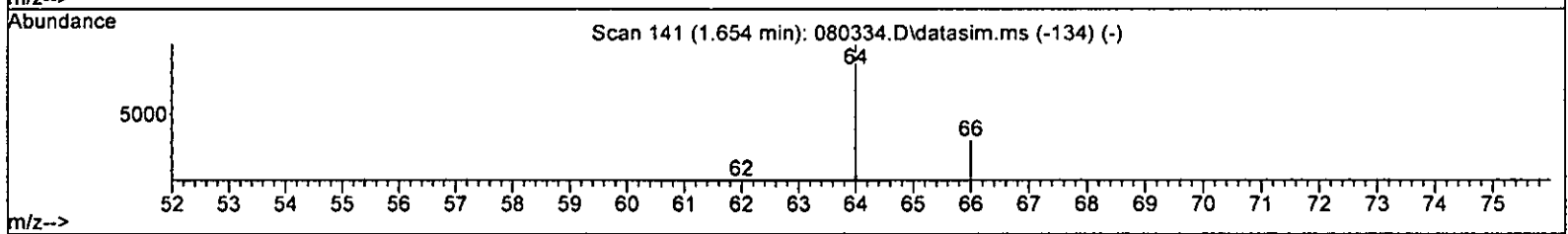
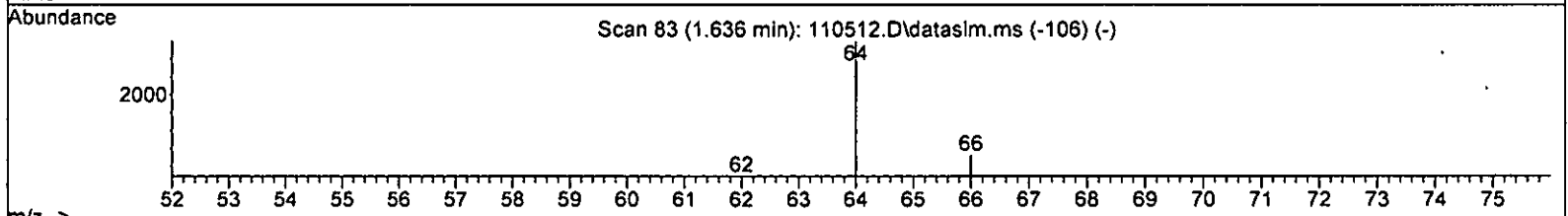
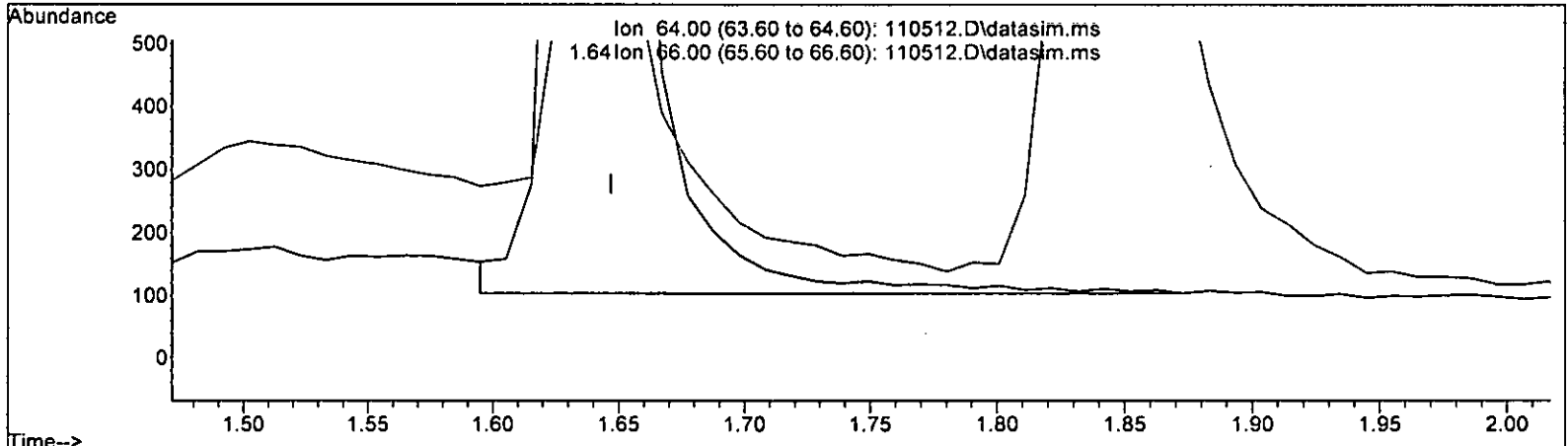
TIC: 110512.D\data.ms

(7) Bromomethane (TMP)		
1.580min (-0.000)	2.230 ppb m	
response	10442	
Ion	Exp%	Act%
93.90	100.00	100.00
95.90	93.50	71.06
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110512.D
 Acq On : 05 Nov 2022 01:53 pm
 Operator : VM
 Sample : 2 ppb 8260 ICAL 67-177L
 Misc : soil/water
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:21 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



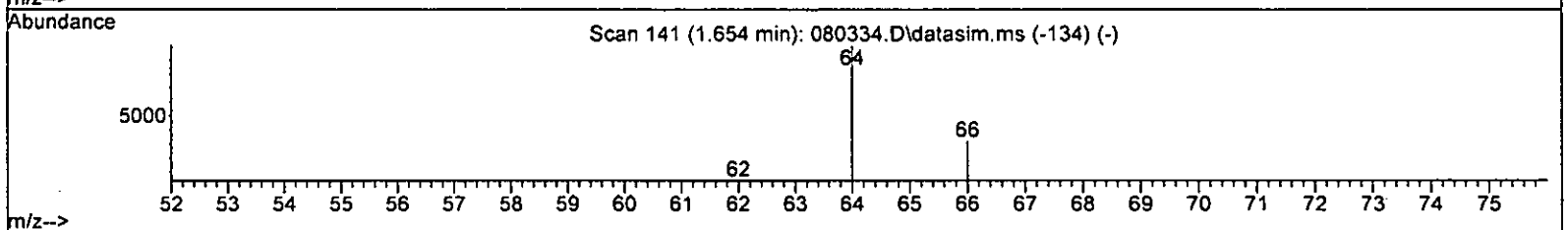
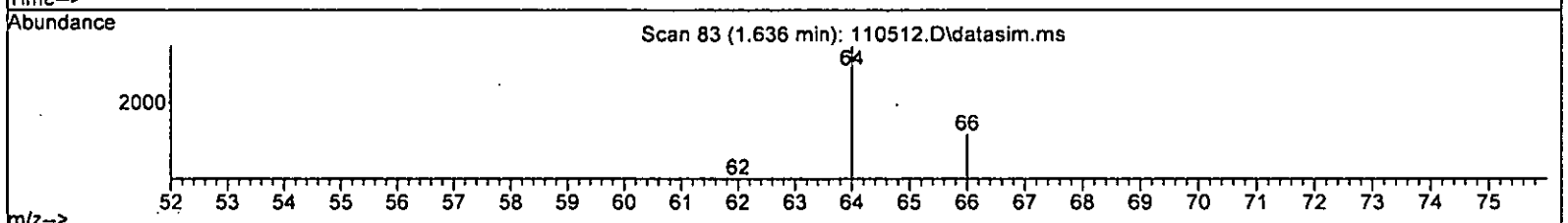
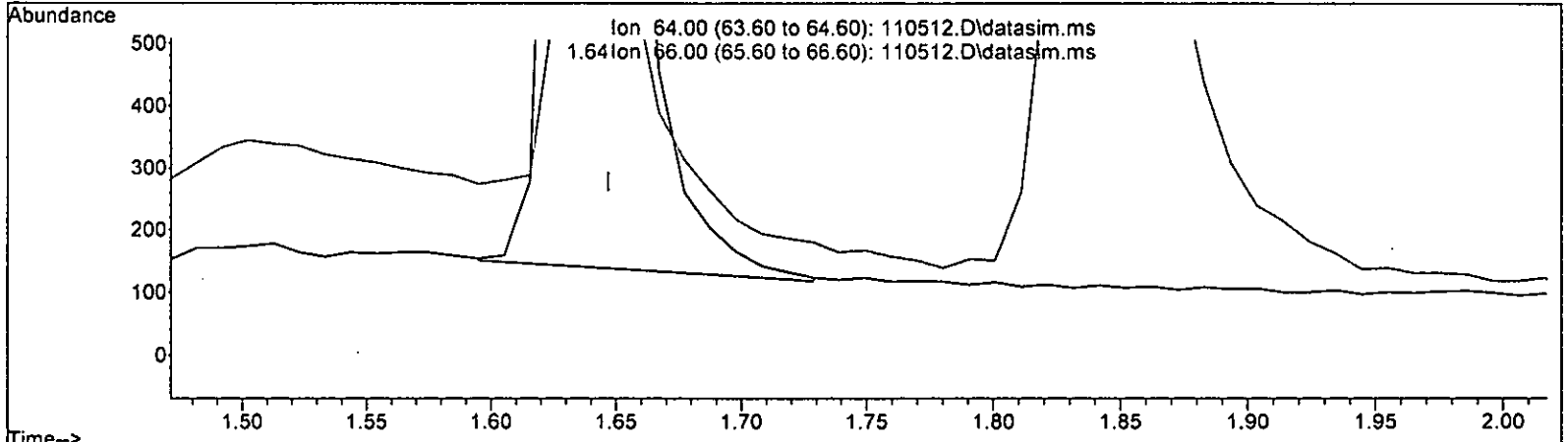
TIC: 110512.D\data.ms

(8) Chloroethane (TMP)		
1.636min (-0.011)	2.245 ppb	
response	5563	
Ion	Exp%	Act%
64.00	100.00	100.00
66.00	30.90	31.13
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110512.D
 Acq On : 05 Nov 2022 01:53 pm
 Operator : VM
 Sample : 2 ppb 8260 ICAL 67-177L
 Misc : soil/water
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:21 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 Qlast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110512.D\data.ms

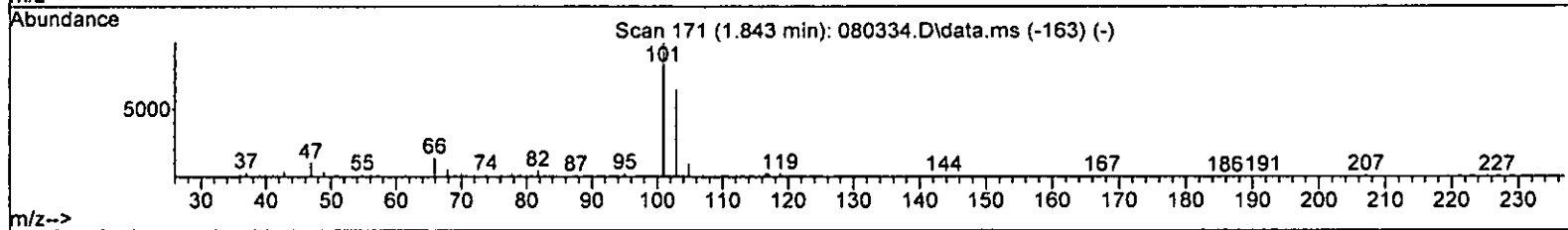
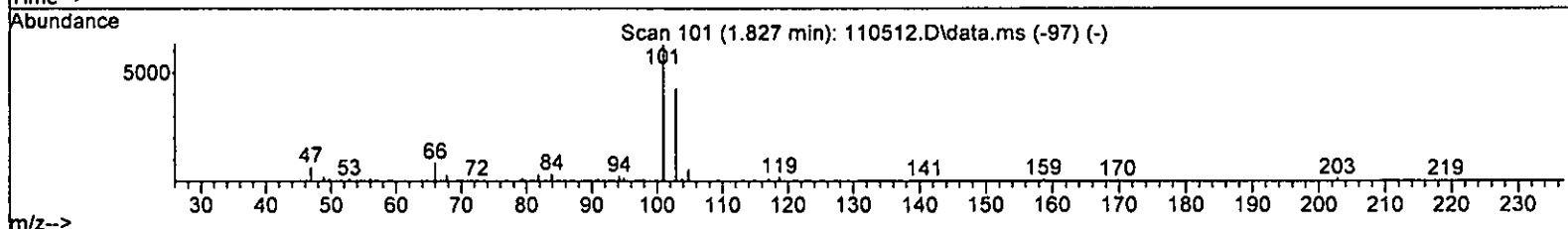
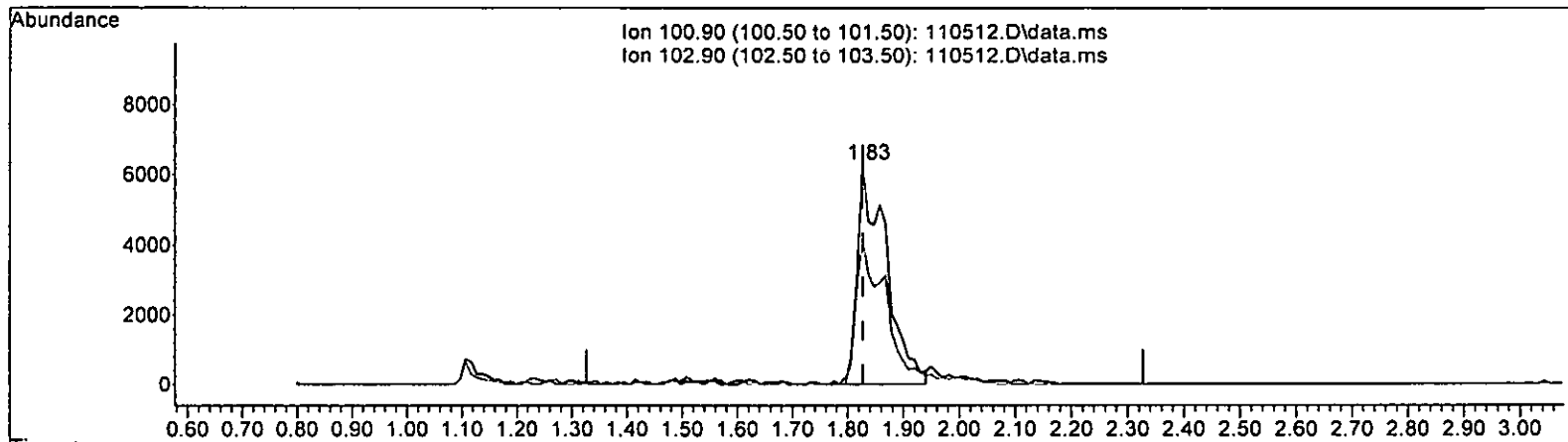
(8) Chloroethane (TMP)
 1.636min (-0.011) 2.115 ppb m

response	5241
Ion	Exp% Act%
64.00	100.00 100.00
66.00	30.90 38.46
0.00	0.00 0.00
0.00	0.00 0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110512.D
 Acq On : 05 Nov 2022 01:53 pm
 Operator : VM
 Sample : 2 ppb 8260 ICAL 67-177L
 Misc : soil/water
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:21 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110512.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.827min (-0.000) 1.844 ppb

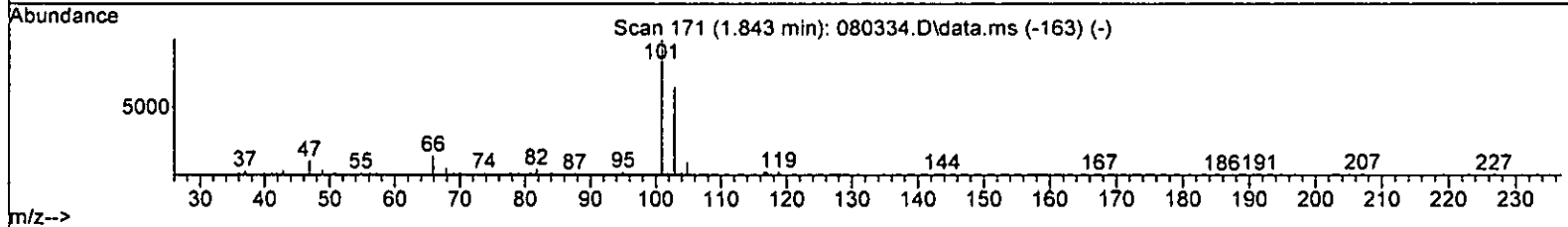
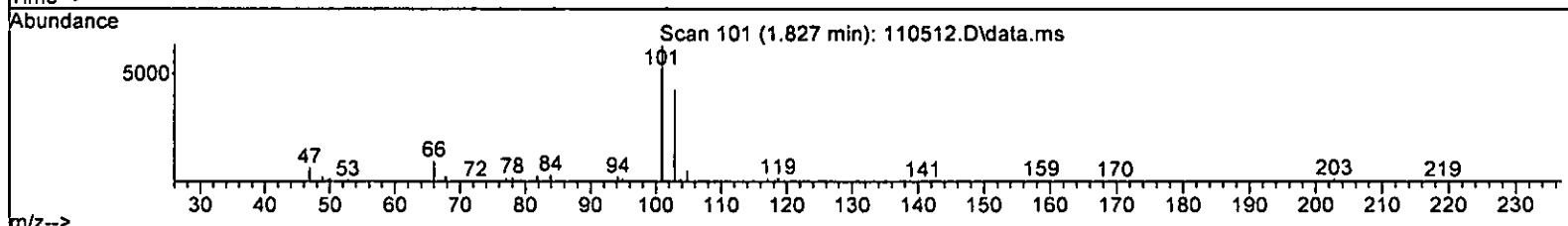
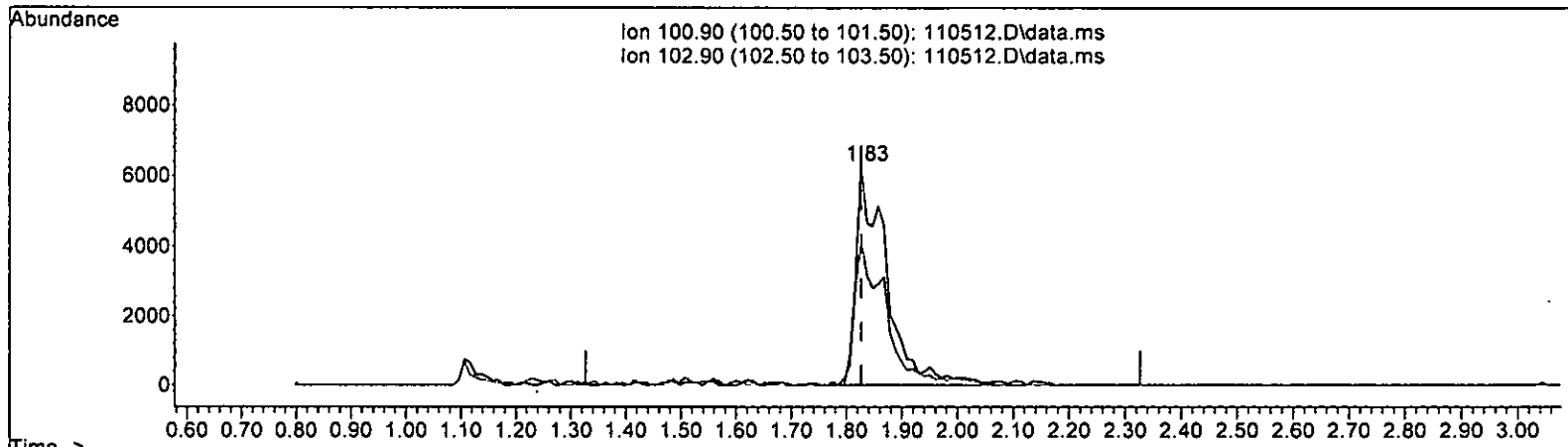
response 22448

Ion	Exp%	Act%
100.90	100.00	100.00
102.90	65.30	67.21
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110512.D
 Acq On : 05 Nov 2022 01:53 pm
 Operator : VM
 Sample : 2 ppb 8260 ICAL 67-177L
 Misc : soil/water
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:21 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110512.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.827min (-0.000) 2.100 ppb m

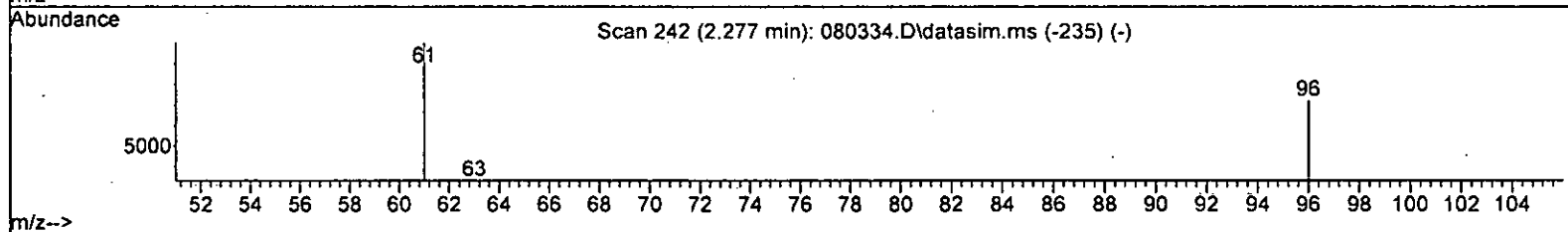
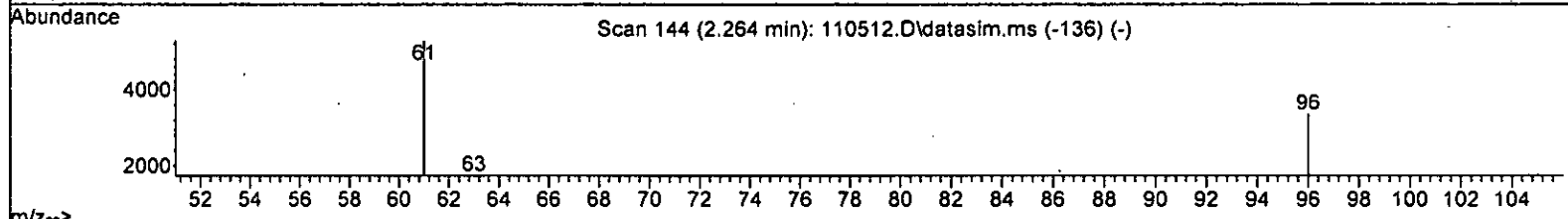
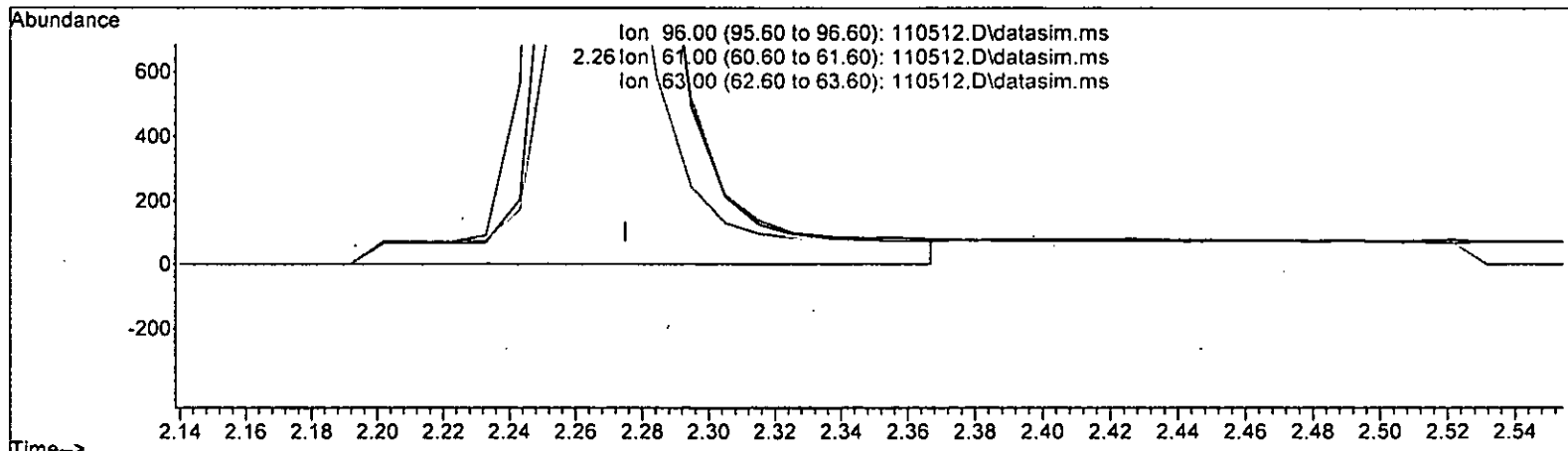
response 25555

Ion	Exp%	Act%
100.90	100.00	100.00
102.90	65.30	67.21
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110512.D
 Acq On : 05 Nov 2022 01:53 pm
 Operator : VM
 Sample : 2 ppb 8260 ICAL 67-177L
 Misc : soil/water
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:21 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110512.D\data.ms

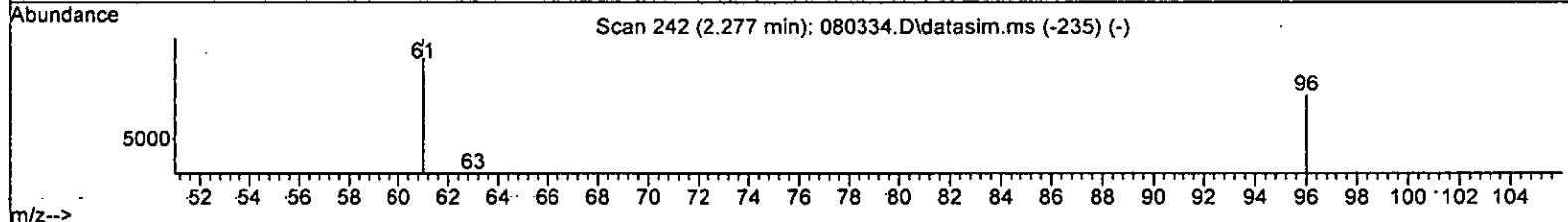
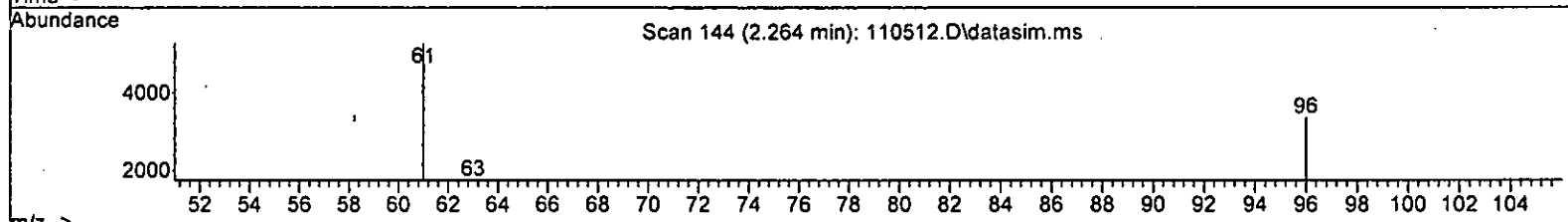
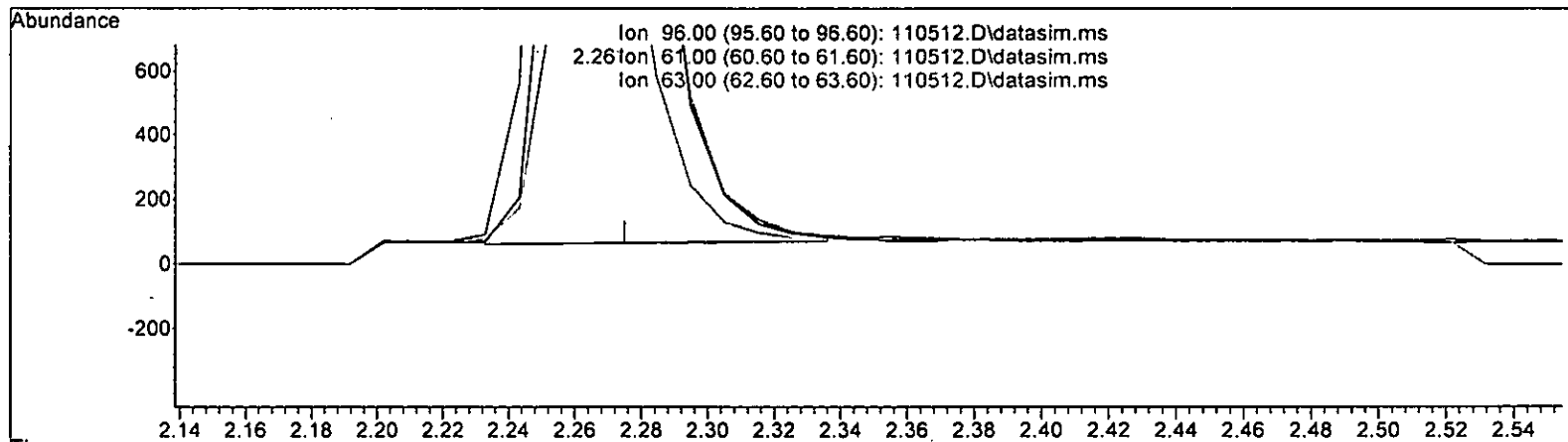
(12) 1,1-Dichloroethene (TMP)
 2.264min (-0.011) 2.133 ppb

response	6584	
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	120.90	157.46#
63.00	43.90	52.03
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110512.D
 Acq On : 05 Nov 2022 01:53 pm
 Operator : VM
 Sample : 2 ppb 8260 ICAL 67-177L
 Misc : soil/water
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:21 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110512.D\data.ms

(12) 1,1-Dichloroethene (TMP)
 2.264min (-0.011) 1.903 ppb m

response	5876
Ion	Exp% Act%
96.00	100.00 100.00
61.00	120.90 157.46#
63.00	43.90 52.03
0.00	0.00 0.00

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110512.D
 Acq On : 05 Nov 2022 01:53 pm
 Operator : VM
 Sample : 2 ppb 8260 ICAL 67-177L
 Misc : soil/water
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:21 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.73	96	108368	10.000	ppb	-0.01
39) Chlorobenzene-d5	7.40	117	87014	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	51026	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.17	113	34848	10.028	ppb	0.00
Spiked Amount	10.000	Range 50 - 150	Recovery	=	100.30%	
30) 1,2-Dichloroethane-d4	4.45	102	6678	9.916	ppb	0.00
Spiked Amount	10.000	Range 84 - 120	Recovery	=	99.20%	
35) Toluene-d8	6.10	98	103305	9.995	ppb	0.00
Spiked Amount	10.000	Range 73 - 128	Recovery	=	100.00%	
57) 4-Bromofluorobenzene	8.51	95	34581	9.836	ppb	0.00
Spiked Amount	10.000	Range 57 - 146	Recovery	=	98.40%	
Target Compounds						
2) Ethanol	2.32	45	504	No Calib		Qvalue
4) Dichlorodifluoromethane	1.11	85	16355	1.886	ppb	97
5) Chloromethane	1.25	50	10419	1.970	ppb	78
6] Vinyl chloride	1.33	62	11090	2.008	ppb	91
7) Bromomethane	1.58	94	10442m	2.230	ppb	
8] Chloroethane	1.64	64	5241m	2.115	ppb	
9) Trichlorofluoromethane	1.83	101	25555m	2.100	ppb	
10) 2-Propanol	2.32	45	504	No Calib	#	
11) Acetone	2.32	58	2969	9.642	ppb	87
12] 1,1-Dichloroethene	2.26	96	5876m	1.903	ppb	
13) Hexane	3.16	57	7327	2.091	ppb	88
14) Methylene chloride	0.00		0	N.D.	d	
15) t-Butyl alcohol (TBA)	2.81	59	2736	10.519	ppb	99
16] Methyl t-butyl ether (...)	2.93	73	14632	2.028	ppb	100
17] trans-1,2-Dichloroethene	2.91	96	7244	2.099	ppb	80
18) Diisopropyl ether (DIPE)	3.35	45	14439	1.910	ppb	96
19] 1,1-Dichloroethane	3.27	63	10079	2.007	ppb	99
20) Ethyl t-butyl ether (E...)	3.66	87	5360	1.920	ppb	92
21) 2,2-Dichloropropane	3.76	77	5175	1.970	ppb	100
22] cis-1,2-Dichloroethene	3.77	96	7011	1.942	ppb	98
23) Chloroform	4.04	83	11605	1.988	ppb	97
24) 2-Butanone (MEK)	3.79	43	12571	9.053	ppb	87
25) t-Amyl methyl ether (T...)	4.61	73	10902	1.862	ppb	92
26] 1,2-Dichloroethane (EDC)	4.52	62	9366	2.093	ppb	93
27] 1,1,1-Trichloroethane	4.19	97	9931	1.902	ppb	94
28) 1,1-Dichloropropene	4.33	75	8339	2.117	ppb	95
29) Carbon tetrachloride	4.33	117	10050	1.912	ppb	97
31] Benzene	4.50	78	23794	1.963	ppb	99
32] Trichloroethene	5.05	95	7906	1.990	ppb	79
33) 1,2-Dichloropropane	5.24	63	5035	1.928	ppb	96
34) Bromodichloromethane	5.48	83	8331	1.988	ppb	99
36) Dibromomethane	5.35	93	4723	1.986	ppb	87

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110512.D
 Acq On : 05 Nov 2022 01:53 pm
 Operator : VM
 Sample : 2 ppb 8260 ICAL 67-177L
 Misc : soil/water
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS13

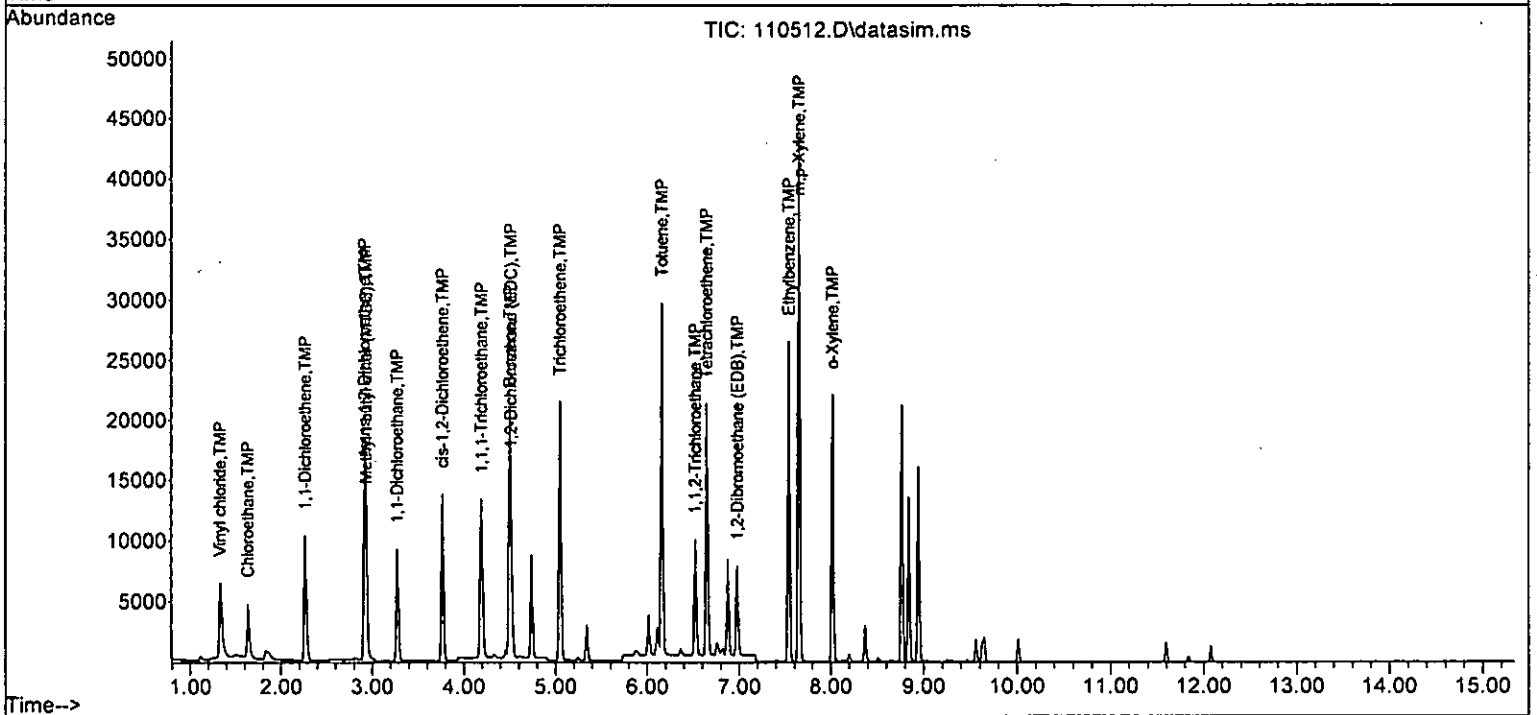
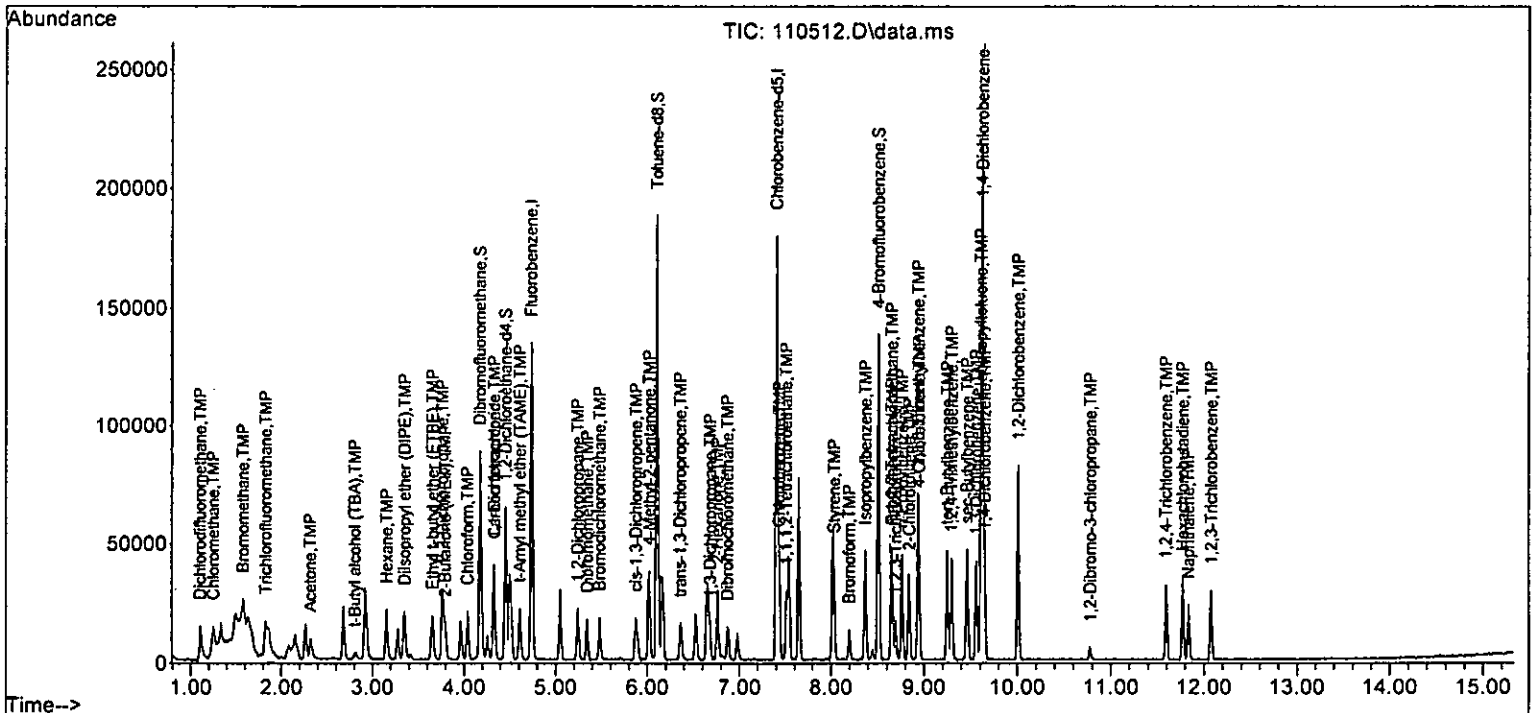
Quant Time: Nov 07 15:17:21 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	6.02	85	4592	9.988	ppb	92
38) cis-1,3-Dichloropropene	5.88	75	7183	1.841	ppb	90
40] Toluene	6.16	92	14643	2.086	ppb	98
41) trans-1,3-Dichloropropene	6.36	75	5512	1.821	ppb	86
42] 1,1,2-Trichloroethane	6.53	83	4791	2.114	ppb	91
43) 2-Hexanone	6.76	43	15983	9.690	ppb	97
44) 1,3-Dichloropropane	6.68	76	8135	2.045	ppb	95
45] Tetrachloroethene	6.65	164	7537	2.182	ppb	95
46) Dibromochloromethane	6.87	129	7274	1.932	ppb	96
47] 1,2-Dibromoethane (EDB)	6.98	107	5902	1.887	ppb	97
48) Chlorobenzene	7.43	112	17347	2.008	ppb	98
49] Ethylbenzene	7.54	91	26561	1.961	ppb	96
50] 1,1,1,2-Tetrachloroethane	7.51	131	6481	1.927	ppb	93
51] m,p-Xylene	7.65	106	20520	3.855	ppb	90
52] o-Xylene	8.02	106	9979	1.941	ppb	89
53) Styrene	8.03	104	15049	1.949	ppb	98
54) Isopropylbenzene	8.37	105	24959	1.998	ppb	88
55) Bromoform	8.20	173	4920	1.891	ppb	88
58) n-Propylbenzene	8.77	91	28670	2.081	ppb	90
59) Bromobenzene	8.65	156	8627	2.019	ppb	84
60] 1,3,5-Trimethylbenzene	8.94	105	19717	1.964	ppb	95
61] 1,1,2,2-Tetrachloroethane	8.65	83	6459	2.086	ppb	98
62] 1,2,3-Trichloropropane	8.70	75	5435	2.191	ppb	97
63) 2-Chlorotoluene	8.84	91	17398	2.109	ppb	89
64) 4-Chlorotoluene	8.95	91	19107	1.958	ppb	93
65) tert-Butylbenzene	9.25	119	19084	1.916	ppb	94
66] 1,2,4-Trimethylbenzene	9.30	105	19294	1.894	ppb	97
67) sec-Butylbenzene	9.46	105	26015	1.943	ppb	98
68) p-Isopropyltoluene	9.61	119	23218	1.906	ppb	97
69] 1,3-Dichlorobenzene	9.56	146	15492	1.985	ppb	96
70] 1,4-Dichlorobenzene	9.65	146	16442	2.060	ppb	95
71] 1,2-Dichlorobenzene	10.01	146	14649	1.974	ppb	95
72] 1,2-Dibromo-3-chloropr...	10.78	75	1202	2.183	ppb	84
73] 1,2,4-Trichlorobenzene	11.59	180	9042	1.826	ppb	87
74) Hexachlorobutadiene	11.77	225	6295	2.057	ppb	98
75) Naphthalene	11.83	128	16273	1.800	ppb	96
76] 1,2,3-Trichlorobenzene	12.08	180	8266	1.915	ppb	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110512.D
 Acq On : 05 Nov 2022 01:53 pm
 Operator : VM
 Sample : 2 ppb 8260 ICAL 67-177L
 Misc : soil/water
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:21 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110512.D
 Acq On : 05 Nov 2022 01:53 pm
 Operator : VM
 Sample : 2 ppb 8260 ICAL 67-177L
 Misc : soil/water
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:21 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I Fluorobenzene	10.000	10.000	0.0	100	-0.01
2 TMP Ethanol	-1.000	0.000	0.0	0	-0.01
3 S Dibromofluoromethane	10.000	10.028	-0.3	100	0.00
4 TMP Dichlorodifluoromethane	2.000	1.886	5.7	100	-0.01
5 TMP Chloromethane	2.000	1.970	1.5	100	-0.01
6 TMP Vinyl chloride	2.000	2.008	-0.4	106	-0.01
7 TMP Bromomethane	2.000	2.230	-11.5	134	0.00
8 TMP Chloroethane	2.000	2.115	-5.8	103	-0.01
9 TMP Trichlorofluoromethane	2.000	2.100	-5.0	100	0.00
10 TMP 2-Propanol	-1.000	0.000	0.0	0	-0.01
11 TMP Acetone	10.000	9.642	3.6	100	-0.01
12 TMP 1,1-Dichloroethene	2.000	1.903	4.8	100	-0.01
13 TMP Hexane	2.000	2.091	-4.6	100	0.00
14 TMP Methylene chloride	-1.000	0.000	0.0	0	-2.68#
15 TMP t-Butyl alcohol (TBA)	10.000	10.519	-5.2	100	-0.01
16 TMP Methyl t-butyl ether (MTBE)	2.000	2.028	-1.4	103	0.00
17 TMP trans-1,2-Dichloroethene	2.000	2.099	-5.0	109	-0.01
18 TMP Diisopropyl ether (DIPE)	2.000	1.910	4.5	100	0.00
19 TMP 1,1-Dichloroethane	2.000	2.007	-0.4	100	0.00
20 TMP Ethyl t-butyl ether (ETBE)	2.000	1.920	4.0	100	0.00
21 TMP 2,2-Dichloropropane	2.000	1.970	1.5	100	-0.01
22 TMP cis-1,2-Dichloroethene	2.000	1.942	2.9	100	0.00
23 TMP Chloroform	2.000	1.988	0.6	100	0.00
24 TMP 2-Butanone (MEK)	10.000	9.053	9.5	100	0.00
25 TMP t-Amyl methyl ether (TAME)	2.000	1.862	6.9	100	0.00
26 TMP 1,2-Dichloroethane (EDC)	2.000	2.093	-4.6	100	-0.01
27 TMP 1,1,1-Trichloroethane	2.000	1.902	4.9	100	0.00
28 TMP 1,1-Dichloropropene	2.000	2.117	-5.8	100	0.00
29 TMP Carbon tetrachloride	2.000	1.912	4.4	100	0.00
30 S 1,2-Dichloroethane-d4	10.000	9.916	0.8	100	0.00
31 TMP Benzene	2.000	1.963	1.8	100	0.00
32 TMP Trichloroethene	2.000	1.990	0.5	100	0.00
33 TMP 1,2-Dichloropropane	2.000	1.928	3.6	100	0.00
34 TMP Bromodichloromethane	2.000	1.988	0.6	100	0.00
35 S Toluene-d8	10.000	9.995	0.1	100	0.00
36 TMP Dibromomethane	2.000	1.986	0.7	100	0.00
37 TMP 4-Methyl-2-pentanone	10.000	9.988	0.1	100	0.00
38 TMP cis-1,3-Dichloropropene	2.000	1.841	8.0	100	0.00
39 I Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40 TMP Toluene	2.000	2.086	-4.3	100	0.00
41 TMP trans-1,3-Dichloropropene	2.000	1.821	9.0	100	0.00
42 TMP 1,1,2-Trichloroethane	2.000	2.114	-5.7	100	0.00
43 TMP 2-Hexanone	10.000	9.690	3.1	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110512.D
 Acq On : 05 Nov 2022 01:53 pm
 Operator : VM
 Sample : 2 ppb 8260 ICAL 67-177L
 Misc : soil/water
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:21 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	2.000	2.045	-2.2	100	0.00
45 TMP Tetrachloroethene	2.000	2.182	-9.1	100	0.00
46 TMP Dibromochloromethane	2.000	1.932	3.4	100	-0.01
47 TMP 1,2-Dibromoethane (EDB)	2.000	1.887	5.6	100	0.00
48 TMP Chlorobenzene	2.000	2.008	-0.4	100	0.00
49 TMP Ethylbenzene	2.000	1.961	1.9	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	2.000	1.927	3.6	100	0.00
51 TMP m,p-Xylene	4.000	3.855	3.6	100	0.00
52 TMP o-Xylene	2.000	1.941	2.9	100	0.00
53 TMP Styrene	2.000	1.949	2.5	100	0.00
54 TMP Isopropylbenzene	2.000	1.998	0.1	100	0.00
55 TMP Bromoform	2.000	1.891	5.4	100	0.00
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	10.000	9.836	1.6	100	0.00
58 TMP n-Propylbenzene	2.000	2.081	-4.0	100	0.00
59 TMP Bromobenzene	2.000	2.019	-1.0	100	0.00
60 TMP 1,3,5-Trimethylbenzene	2.000	1.964	1.8	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	2.000	2.086	-4.3	100	0.00
62 TMP 1,2,3-Trichloropropane	2.000	2.191	-9.5	100	0.00
63 TMP 2-Chlorotoluene	2.000	2.109	-5.4	100	0.00
64 TMP 4-Chlorotoluene	2.000	1.958	2.1	100	0.00
65 TMP tert-Butylbenzene	2.000	1.916	4.2	100	0.00
66 TMP 1,2,4-Trimethylbenzene	2.000	1.894	5.3	100	0.00
67 TMP sec-Butylbenzene	2.000	1.943	2.8	100	0.00
68 TMP p-Isopropyltoluene	2.000	1.906	4.7	100	0.00
69 TMP 1,3-Dichlorobenzene	2.000	1.985	0.7	100	0.00
70 TMP 1,4-Dichlorobenzene	2.000	2.060	-3.0	100	0.00
71 TMP 1,2-Dichlorobenzene	2.000	1.974	1.3	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	2.000	2.183	-9.1	100	0.00
73 TMP 1,2,4-Trichlorobenzene	2.000	1.826	8.7	100	0.00
74 TMP Hexachlorobutadiene	2.000	2.057	-2.8	100	0.00
75 TMP Naphthalene	2.000	1.800	10.0	100	0.00
76 TMP 1,2,3-Trichlorobenzene	2.000	1.915	4.2	100	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110512.D
 Acq On : 05 Nov 2022 01:53 pm
 Operator : VM
 Sample : 2 ppb 8260 ICAL 67-177L
 Misc : soil/water
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:21 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	1.000	1.000	0.0	100	-0.01
2 TMP	Ethanol	0.000	0.000#	0.0	0#	-0.01
3 S	Dibromofluoromethane	0.321	0.322	-0.3	100	0.00
4 TMP	Dichlorodifluoromethane	0.800	0.755	5.6	100	-0.01
5 TMP	Chloromethane	0.488	0.481	1.4	100	-0.01
6 TMP	Vinyl chloride	0.510	0.512	-0.4	106	-0.01
7 TMP	Bromomethane	0.432	0.482	-11.6	134	0.00
8 TMP	Chloroethane	0.229	0.242	-5.7	103	-0.01
9 TMP	Trichlorofluoromethane	1.123	1.179	-5.0	100	0.00
10 TMP	2-Propanol	0.000	0.000	0.0	0#	-0.01
11 TMP	Acetone	0.029	0.027	6.9	100	-0.01
12 TMP	1,1-Dichloroethene	0.285	0.271	4.9	100	-0.01
13 TMP	Hexane	0.323	0.338	-4.6	100	0.00
14 TMP	Methylene chloride	0.289	0.000#	100.0#	0#	-2.68#
15 TMP	t-Butyl alcohol (TBA)	0.024	0.025#	-4.2	100	-0.01
16 TMP	Methyl t-butyl ether (MTBE)	0.666	0.675	-1.4	103	0.00
17 TMP	trans-1,2-Dichloroethene	0.318	0.334	-5.0	109	-0.01
18 TMP	Diisopropyl ether (DIPE)	0.698	0.666	4.6	100	0.00
19 TMP	1,1-Dichloroethane	0.463	0.465	-0.4	100	0.00
20 TMP	Ethyl t-butyl ether (ETBE)	0.258	0.247	4.3	100	0.00
21 TMP	2,2-Dichloropropane	0.258	0.239	7.4	100	-0.01
22 TMP	cis-1,2-Dichloroethene	0.333	0.323	3.0	100	0.00
23 TMP	Chloroform	0.539	0.535	0.7	100	0.00
24 TMP	2-Butanone (MEK)	0.132	0.116	12.1	100	0.00
25 TMP	t-Amyl methyl ether (TAME)	0.540	0.503	6.9	100	0.00
26 TMP	1,2-Dichloroethane (EDC)	0.465	0.432	7.1	100	-0.01
27 TMP	1,1,1-Trichloroethane	0.482	0.458	5.0	100	0.00
28 TMP	1,1-Dichloropropene	0.370	0.385	-4.1	100	0.00
29 TMP	Carbon tetrachloride	0.485	0.464	4.3	100	0.00
30 S	1,2-Dichloroethane-d4	0.062	0.062	0.0	100	0.00
31 TMP	Benzene	1.118	1.098	1.8	100	0.00
32 TMP	Trichloroethene	0.367	0.365	0.5	100	0.00
33 TMP	1,2-Dichloropropane	0.241	0.232	3.7	100	0.00
34 TMP	Bromodichloromethane	0.387	0.384	0.8	100	0.00
35 S	Toluene-d8	0.954	0.953	0.1	100	0.00
36 TMP	Dibromomethane	0.219	0.218	0.5	100	0.00
37 TMP	4-Methyl-2-pentanone	0.042	0.042	0.0	100	0.00
38 TMP	cis-1,3-Dichloropropene	0.360	0.331	8.1	100	0.00
39 I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40 TMP	Toluene	0.907	0.841	7.3	100	0.00
41 TMP	trans-1,3-Dichloropropene	0.366	0.317	13.4	100	0.00
42 TMP	1,1,2-Trichloroethane	0.285	0.275	3.5	100	0.00
43 TMP	2-Hexanone	0.190	0.184	3.2	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110512.D
 Acq On : 05 Nov 2022 01:53 pm
 Operator : VM
 Sample : 2 ppb 8260 ICAL 67-177L
 Misc : soil/water
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:21 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.457	0.467	-2.2	100	0.00
45 TMP Tetrachloroethene	0.460	0.433	5.9	100	0.00
46 TMP Dibromochloromethane	0.451	0.418	7.3	100	-0.01
47 TMP 1,2-Dibromoethane (EDB)	0.360	0.339	5.8	100	0.00
48 TMP Chlorobenzene	0.993	0.997	-0.4	100	0.00
49 TMP Ethylbenzene	1.557	1.526	2.0	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.387	0.372	3.9	100	0.00
51 TMP m,p-Xylene	0.612	0.590	3.6	100	0.00
52 TMP o-Xylene	0.591	0.573	3.0	100	0.00
53 TMP Styrene	0.887	0.865	2.5	100	0.00
54 TMP Isopropylbenzene	1.435	1.434	0.1	100	0.00
55 TMP Bromoform	0.299	0.283	5.4	100	0.00
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	0.689	0.678	1.6	100	0.00
58 TMP n-Propylbenzene	2.700	2.809	-4.0	100	0.00
59 TMP Bromobenzene	0.837	0.845	-1.0	100	0.00
60 TMP 1,3,5-Trimethylbenzene	1.968	1.932	1.8	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.626	0.633	-1.1	100	0.00
62 TMP 1,2,3-Trichloropropane	0.486	0.533	-9.7	100	0.00
63 TMP 2-Chlorotoluene	1.617	1.705	-5.4	100	0.00
64 TMP 4-Chlorotoluene	1.912	1.872	2.1	100	0.00
65 TMP tert-Butylbenzene	1.952	1.870	4.2	100	0.00
66 TMP 1,2,4-Trimethylbenzene	1.996	1.891	5.3	100	0.00
67 TMP sec-Butylbenzene	2.624	2.549	2.9	100	0.00
68 TMP p-Isopropyltoluene	2.387	2.275	4.7	100	0.00
69 TMP 1,3-Dichlorobenzene	1.530	1.518	0.8	100	0.00
70 TMP 1,4-Dichlorobenzene	1.564	1.611	-3.0	100	0.00
71 TMP 1,2-Dichlorobenzene	1.455	1.435	1.4	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	0.108	0.118	-9.3	100	0.00
73 TMP 1,2,4-Trichlorobenzene	0.971	0.886	8.8	100	0.00
74 TMP Hexachlorobutadiene	0.600	0.617	-2.8	100	0.00
75 TMP Naphthalene	1.833	1.595	13.0	100	0.00
76 TMP 1,2,3-Trichlorobenzene	0.846	0.810	4.3	100	0.00

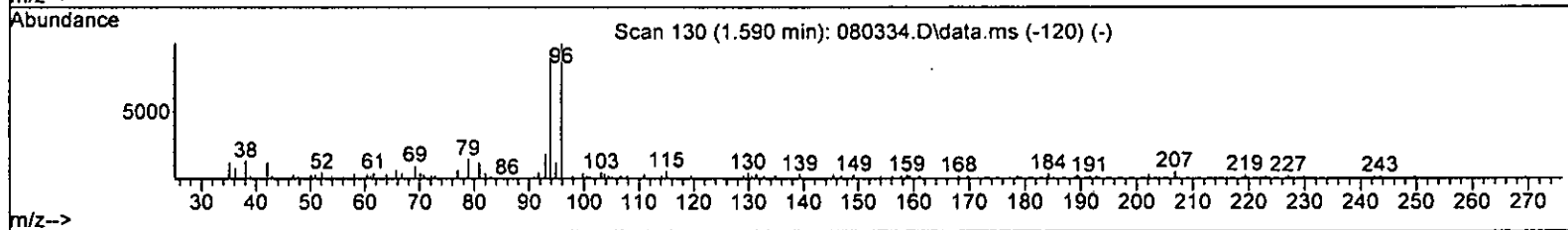
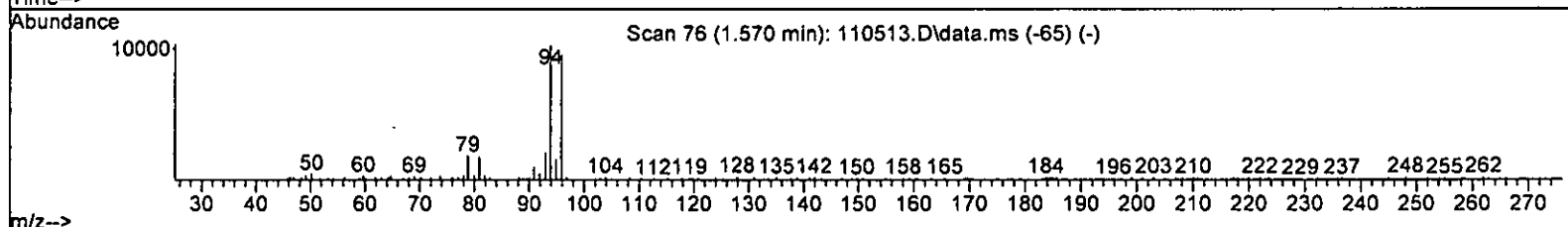
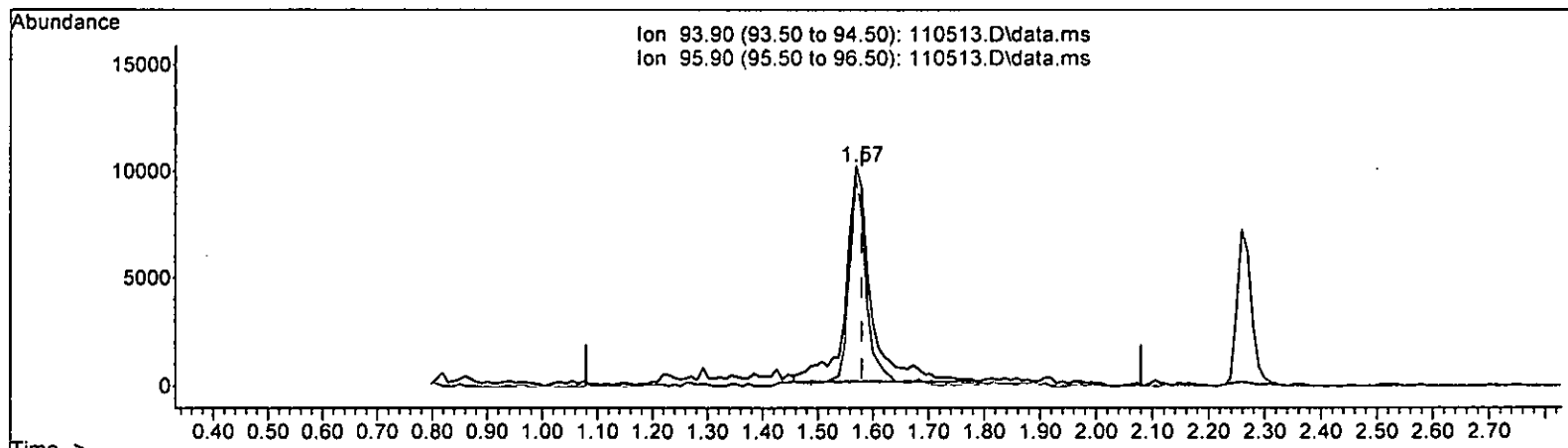
(#) = Out of Range

SPCC's out = 3 CCC's out = 0

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110513.D
 Acq On : 05 Nov 2022 02:16 pm
 Operator : VM
 Sample : 5 ppb 8260 ICAL 67-177M
 Misc : soil/water
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:23 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110513.D\data.ms

(7) Bromomethane (TMP)

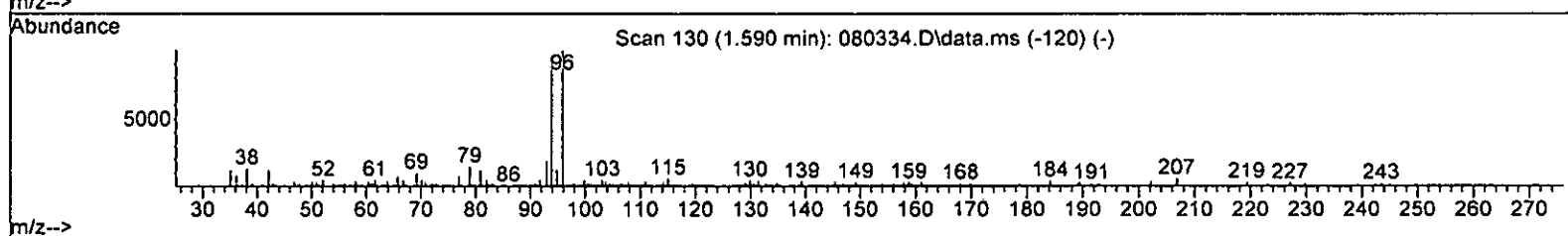
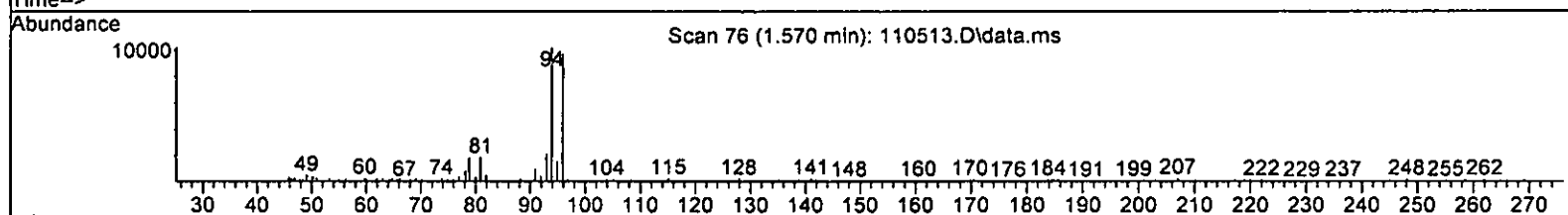
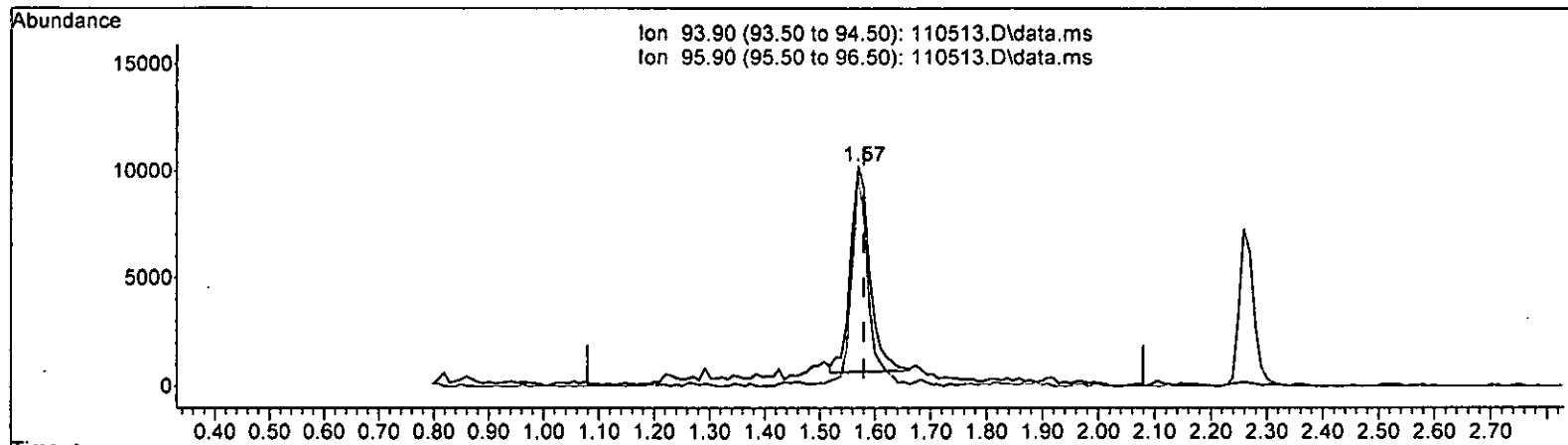
1.570min (-0.010) 6.638 ppb

response	31464
Ion	Exp% Act%
93.90	100.00 100.00
95.90	93.50 95.95
0.00	0.00 0.00
0.00	0.00 0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110513.D
 Acq On : 05 Nov 2022 02:16 pm
 Operator : VM
 Sample : 5 ppb 8260 ICAL 67-177M
 Misc : soil/water
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:23 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110513.D\data.ms

(7) Bromomethane (TMP)

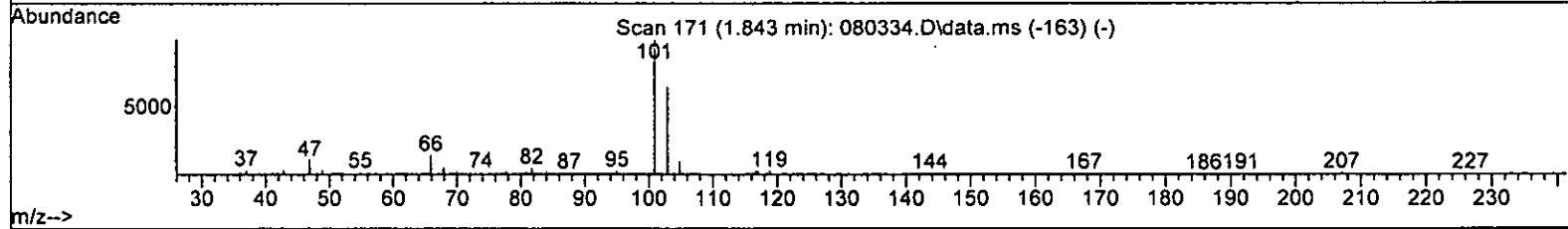
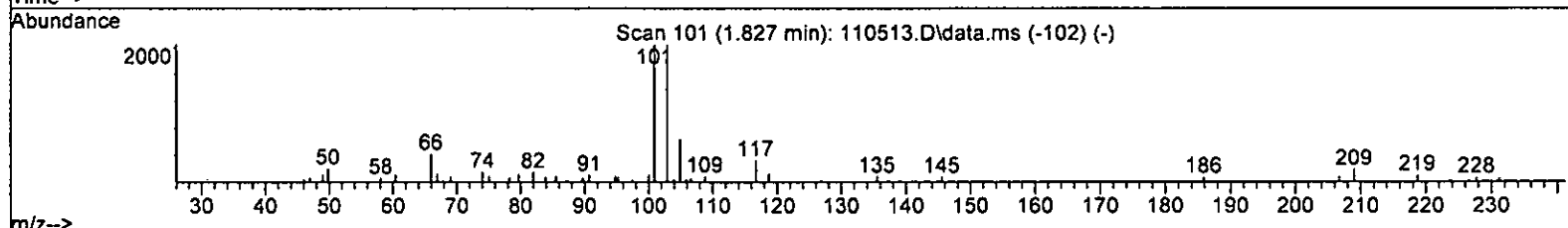
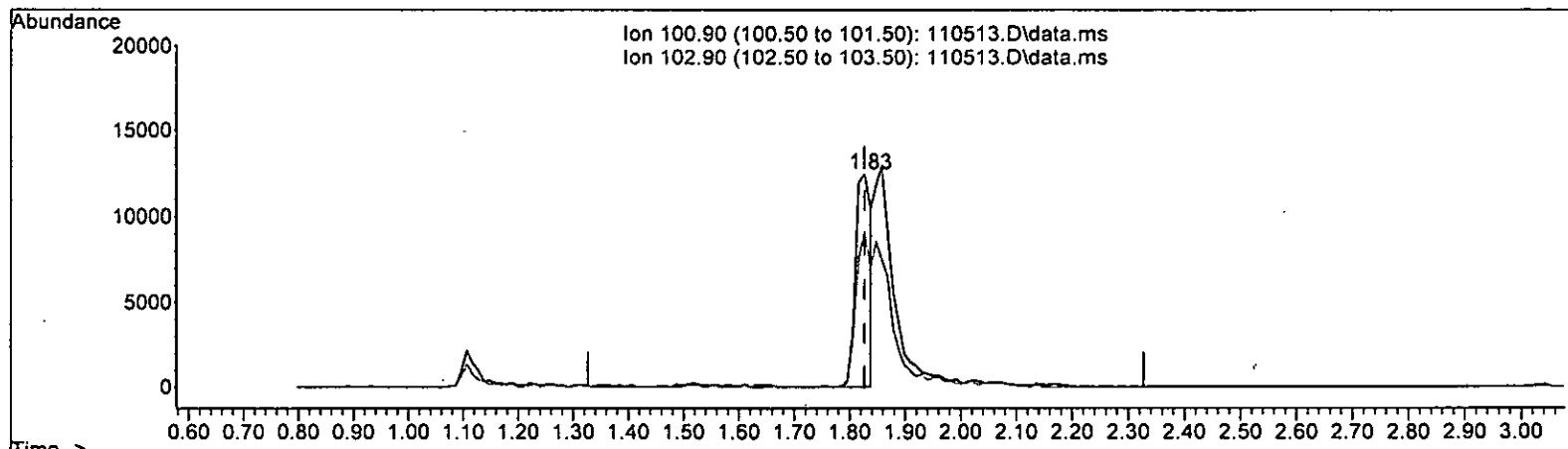
1.570min (-0.010) 4.882 ppb m

response	23141	
Ion	Exp%	Act%
93.90	100.00	100.00
95.90	93.50	94.58
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110513.D
 Acq On : 05 Nov 2022 02:16 pm
 Operator : VM
 Sample : 5 ppb 8260 ICAL 67-177M
 Misc : soil/water
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:23 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110513.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.827min (-0.000) 1.929 ppb

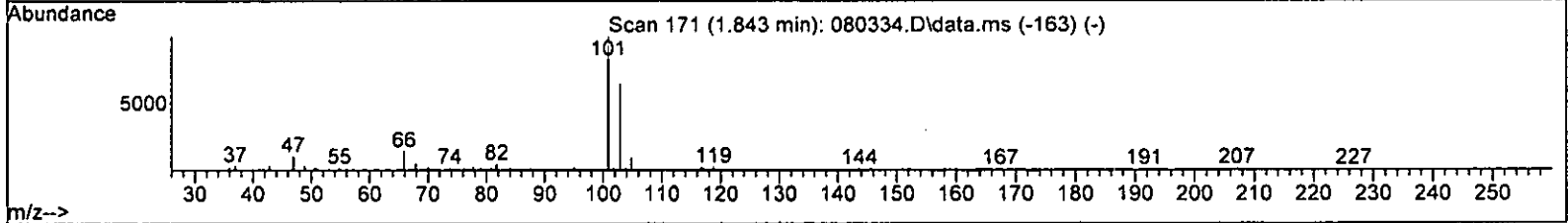
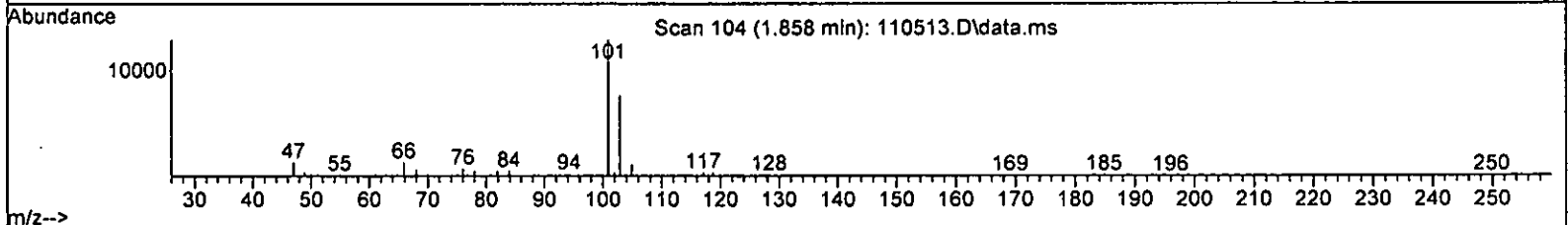
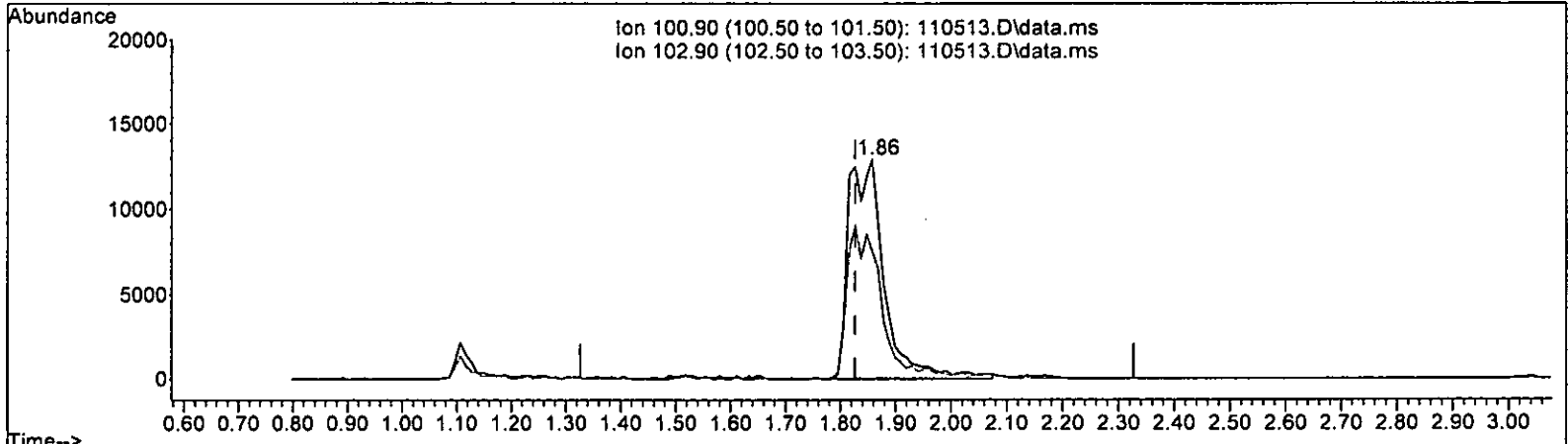
response 23763

Ion	Exp%	Act%
100.90	100.00	100.00
102.90	65.30	72.85
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110513.D
 Acq On : 05 Nov 2022 02:16 pm
 Operator : VM
 Sample : 5 ppb 8260 ICAL 67-177M
 Misc : soil/water
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:23 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110513.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.858min (+ 0.031) 4.960 ppb m

response 61115

Ion	Exp%	Act%
100.90	100.00	100.00
102.90	65.30	58.38
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110513.D
 Acq On : 05 Nov 2022 02:16 pm
 Operator : VM
 Sample : 5 ppb 8260 ICAL 67-177M
 Misc : soil/water
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:23 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	4.73	96	109707	10.000	ppb	-0.01
39) Chlorobenzene-d5	7.40	117	88629	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	50120	10.000	ppb	0.00

System Monitoring Compounds						
3) Dibromofluoromethane	4.17	113	34176	9.714	ppb	0.00
Spiked Amount	10.000	Range	50 - 150	Recovery	=	97.10%
30) 1,2-Dichloroethane-d4	4.45	102	6631	9.726	ppb	0.00
Spiked Amount	10.000	Range	84 - 120	Recovery	=	97.30%
35) Toluene-d8	6.11	98	103918	9.932	ppb	0.00
Spiked Amount	10.000	Range	73 - 128	Recovery	=	99.30%
57) 4-Bromofluorobenzene	8.51	95	34646	10.032	ppb	0.00
Spiked Amount	10.000	Range	57 - 146	Recovery	=	100.30%

Target Compounds						Qvalue
2) Ethanol	2.33	45	365	No Calib		
4) Dichlorodifluoromethane	1.11	85	39970	4.554	ppb	97
5) Chloromethane	1.25	50	25956	4.847	ppb	97
6] Vinyl chloride	1.33	62	26239	4.692	ppb	94
7) Bromomethane	1.57	94	23141m	4.882	ppb	
8] Chloroethane	1.64	64	12441	4.959	ppb	97
9) Trichlorofluoromethane	1.86	101	61115m	4.960	ppb	
10] 2-Propanol	2.33	45	365	No Calib	#	
11) Acetone	2.33	58	6296	21.279	ppb	# 86
12] 1,1-Dichloroethene	2.26	96	14896	4.766	ppb	84
13) Hexane	3.16	57	16668	4.700	ppb	95
14) Methylene chloride	2.68	84	17937	4.905	ppb	94
15) t-Butyl alcohol (TBA)	2.82	59	5799	22.023	ppb	82
16] Methyl t-butyl ether (...)	2.93	73	34475	4.720	ppb	99
17] trans-1,2-Dichloroethene	2.91	96	16527	4.730	ppb	83
18) Diisopropyl ether (DIPE)	3.35	45	35750	4.670	ppb	96
19] 1,1-Dichloroethane	3.27	63	23872	4.696	ppb	97
20] Ethyl t-butyl ether (E...)	3.65	87	12223	4.325	ppb	# 76
21) 2,2-Dichloropropane	3.76	77	11875	4.501	ppb	91
22] cis-1,2-Dichloroethene	3.77	96	17811	4.873	ppb	96
23) Chloroform	4.04	83	28521	4.827	ppb	100
24) 2-Butanone (MEK)	3.79	43	26467	19.098	ppb	97
25) t-Amyl methyl ether (T...)	4.61	73	26822	4.524	ppb	93
26] 1,2-Dichloroethane (EDC)	4.52	62	22233	4.963	ppb	92
27] 1,1,1-Trichloroethane	4.19	97	23900	4.521	ppb	94
28) 1,1-Dichloropropene	4.33	75	19020	4.792	ppb	94
29) Carbon tetrachloride	4.33	117	23496	4.415	ppb	98
31] Benzene	4.50	78	56905	4.638	ppb	100
32] Trichloroethene	5.05	95	18837	4.685	ppb	# 78
33) 1,2-Dichloropropane	5.24	63	12455	4.712	ppb	96
34) Bromodichloromethane	5.48	83	19920	4.697	ppb	91
36) Dibromomethane	5.34	93	10758	4.468	ppb	89

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110513.D
 Acq On : 05 Nov 2022 02:16 pm
 Operator : VM
 Sample : 5 ppb 8260 ICAL 67-177M
 Misc : soil/water
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS13

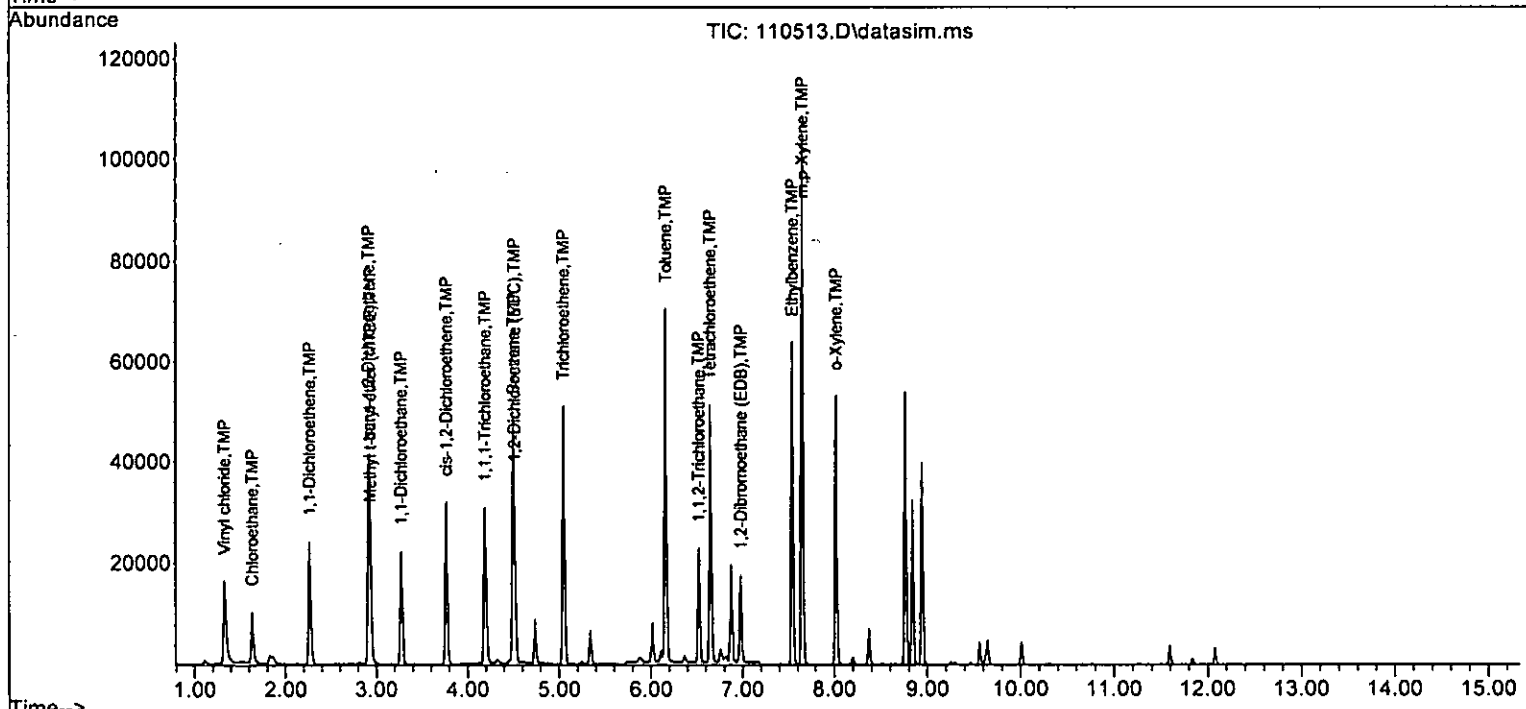
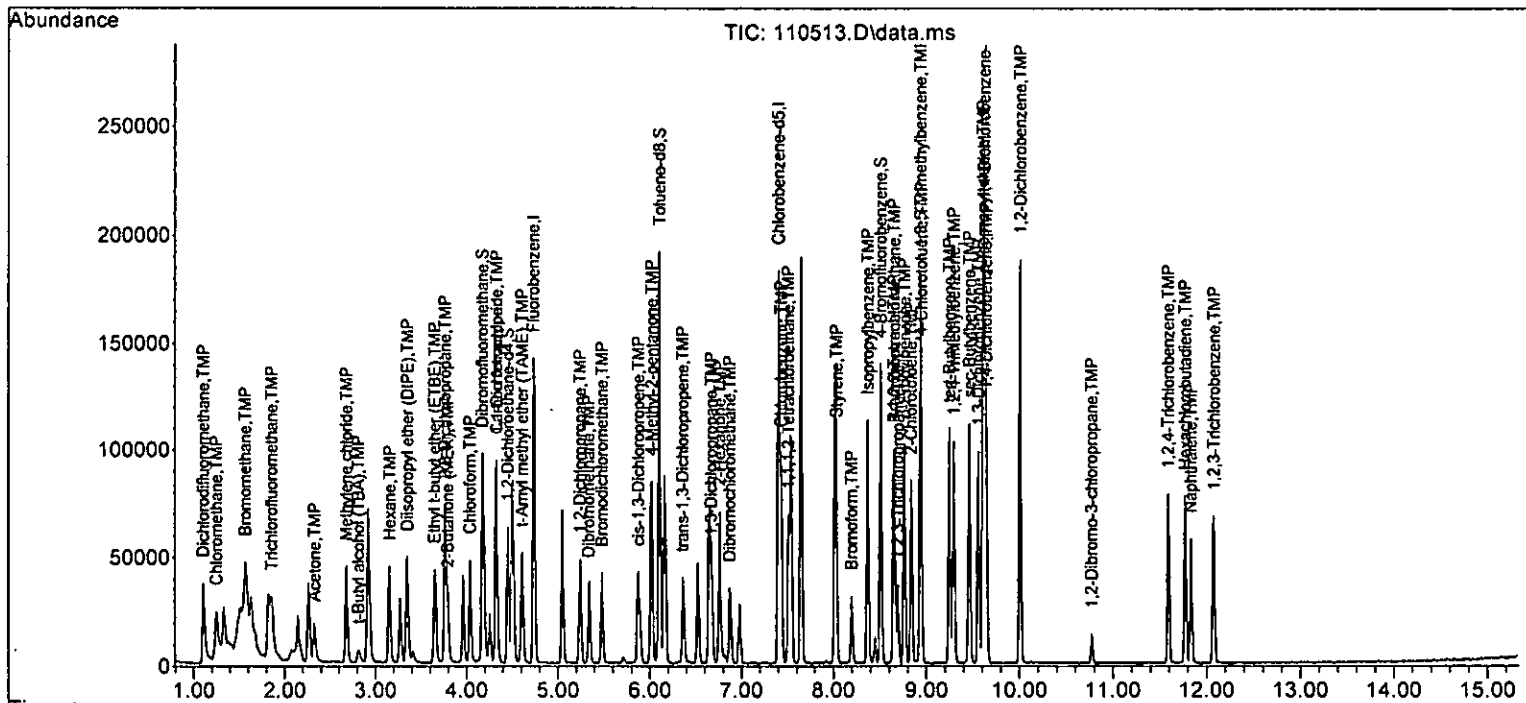
Quant Time: Nov 07 15:17:23 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	6.02	85	9919	21.312	ppb	96
38) cis-1,3-Dichloropropene	5.88	75	16892	4.276	ppb	94
40] Toluene	6.16	92	35268	4.956	ppb	97
41) trans-1,3-Dichloropropene	6.36	75	13495	4.357	ppb	90
42] 1,1,2-Trichloroethane	6.53	83	11288	4.911	ppb	89
43) 2-Hexanone	6.76	43	37305	22.205	ppb	97
44) 1,3-Dichloropropane	6.67	76	19946	4.922	ppb	97
45] Tetrachloroethene	6.65	164	17803	5.084	ppb	95
46) Dibromochloromethane	6.87	129	17976	4.719	ppb	96
47] 1,2-Dibromoethane (EDB)	6.98	107	14430	4.528	ppb	98
48) Chlorobenzene	7.43	112	41631	4.730	ppb	95
49] Ethylbenzene	7.54	91	64516	4.675	ppb	95
50) 1,1,1,2-Tetrachloroethane	7.51	131	15366	4.485	ppb	89
51] m,p-Xylene	7.65	106	50138	9.246	ppb	89
52] o-Xylene	8.02	106	24168	4.616	ppb	88
53) Styrene	8.03	104	36124	4.594	ppb	96
54) Isopropylbenzene	8.37	105	61384	4.825	ppb	95
55) Bromoform	8.20	173	11869	4.479	ppb	94
58) n-Propylbenzene	8.77	91	66876	4.943	ppb	93
59) Bromobenzene	8.65	156	19920	4.746	ppb #	80
60) 1,3,5-Trimethylbenzene	8.94	105	48534	4.921	ppb	94
61) 1,1,2,2-Tetrachloroethane	8.65	83	15253	5.160	ppb	92
62) 1,2,3-Trichloropropane	8.70	75	11548	4.739	ppb	94
63) 2-Chlorotoluene	8.84	91	40265	4.969	ppb	94
64) 4-Chlorotoluene	8.95	91	46593	4.862	ppb	89
65) tert-Butylbenzene	9.25	119	45776	4.679	ppb	96
66) 1,2,4-Trimethylbenzene	9.30	105	47789	4.776	ppb	96
67) sec-Butylbenzene	9.46	105	63733	4.846	ppb	94
68) p-Isopropyltoluene	9.61	119	57271	4.787	ppb	95
69) 1,3-Dichlorobenzene	9.56	146	37190	4.851	ppb	96
70) 1,4-Dichlorobenzene	9.64	146	38104	4.861	ppb	95
71) 1,2-Dichlorobenzene	10.01	146	35540	4.875	ppb	96
72) 1,2-Dibromo-3-chloropr...	10.77	75	2516	4.652	ppb	89
73) 1,2,4-Trichlorobenzene	11.59	180	21952	4.513	ppb	96
74) Hexachlorobutadiene	11.77	225	13843	4.605	ppb	98
75) Naphthalene	11.83	128	40939	4.473	ppb	100
76) 1,2,3-Trichlorobenzene	12.08	180	19554	4.612	ppb	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110513.D
 Acq On : 05 Nov 2022 02:16 pm
 Operator : VM
 Sample : 5 ppb 8260 ICAL 67-177M
 Misc : soil/water
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:23 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110513.D
 Acq On : 05 Nov 2022 02:16 pm
 Operator : VM
 Sample : 5 ppb 8260 ICAL 67-177M
 Misc : soil/water
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:23 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I Fluorobenzene	10.000	10.000	0.0	100	-0.01
2 TMP Ethanol	-1.000	0.000	0.0	0	0.00
3 S Dibromofluoromethane	10.000	9.714	2.9	100	0.00
4 TMP Dichlorodifluoromethane	5.000	4.554	8.9	100	-0.01
5 TMP Chloromethane	5.000	4.847	3.1	100	-0.01
6 TMP Vinyl chloride	5.000	4.692	6.2	100	-0.01
7 TMP Bromomethane	5.000	4.882	2.4	86	-0.01
8 TMP Chloroethane	5.000	4.959	0.8	100	-0.01
9 TMP Trichlorofluoromethane	5.000	4.960	0.8	100	0.03
10 TMP 2-Propanol	-1.000	0.000	0.0	0	0.00
11 TMP Acetone	25.000	21.279	14.9	100	0.00
12 TMP 1,1-Dichloroethene	5.000	4.766	4.7	100	-0.01
13 TMP Hexane	5.000	4.700	6.0	100	0.00
14 TMP Methylene chloride	5.000	4.905	1.9	100	0.00
15 TMP t-Butyl alcohol (TBA)	25.000	22.023	11.9	100	0.00
16 TMP Methyl t-butyl ether (MTBE)	5.000	4.720	5.6	100	0.00
17 TMP trans-1,2-Dichloroethene	5.000	4.730	5.4	100	-0.01
18 TMP Diisopropyl ether (DIPE)	5.000	4.670	6.6	100	0.00
19 TMP 1,1-Dichloroethane	5.000	4.696	6.1	100	0.00
20 TMP Ethyl t-butyl ether (ETBE)	5.000	4.325	13.5	100	-0.01
21 TMP 2,2-Dichloropropane	5.000	4.501	10.0	100	-0.01
22 TMP cis-1,2-Dichloroethene	5.000	4.873	2.5	100	0.00
23 TMP Chloroform	5.000	4.827	3.5	100	0.00
24 TMP 2-Butanone (MEK)	25.000	19.098	23.6#	100	0.00
25 TMP t-Amyl methyl ether (TAME)	5.000	4.524	9.5	100	0.00
26 TMP 1,2-Dichloroethane (EDC)	5.000	4.963	0.7	99	-0.01
27 TMP 1,1,1-Trichloroethane	5.000	4.521	9.6	100	0.00
28 TMP 1,1-Dichloropropene	5.000	4.792	4.2	100	0.00
29 TMP Carbon tetrachloride	5.000	4.415	11.7	100	0.00
30 S 1,2-Dichloroethane-d4	10.000	9.726	2.7	100	0.00
31 TMP Benzene	5.000	4.638	7.2	100	0.00
32 TMP Trichloroethene	5.000	4.685	6.3	100	0.00
33 TMP 1,2-Dichloropropane	5.000	4.712	5.8	100	0.00
34 TMP Bromodichloromethane	5.000	4.697	6.1	100	0.00
35 S Toluene-d8	10.000	9.932	0.7	100	0.00
36 TMP Dibromomethane	5.000	4.468	10.6	100	-0.01
37 TMP 4-Methyl-2-pentanone	25.000	21.312	14.8	100	0.00
38 TMP cis-1,3-Dichloropropene	5.000	4.276	14.5	100	0.00
39 I Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40 TMP Toluene	5.000	4.956	0.9	100	0.00
41 TMP trans-1,3-Dichloropropene	5.000	4.357	12.9	100	0.00
42 TMP 1,1,2-Trichloroethane	5.000	4.911	1.8	100	0.00
43 TMP 2-Hexanone	25.000	22.205	11.2	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110513.D
 Acq On : 05 Nov 2022 02:16 pm
 Operator : VM
 Sample : 5 ppb 8260 ICAL 67-177M
 Misc : soil/water
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:23 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	5.000	4.922	1.6	100	-0.01
45 TMP Tetrachloroethene	5.000	5.084	-1.7	100	0.00
46 TMP Dibromochloromethane	5.000	4.719	5.6	100	-0.01
47 TMP 1,2-Dibromoethane (EDB)	5.000	4.528	9.4	100	0.00
48 TMP Chlorobenzene	5.000	4.730	5.4	100	0.00
49 TMP Ethylbenzene	5.000	4.675	6.5	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	5.000	4.485	10.3	100	0.00
51 TMP m,p-Xylene	10.000	9.246	7.5	100	0.00
52 TMP o-Xylene	5.000	4.616	7.7	100	0.00
53 TMP Styrene	5.000	4.594	8.1	100	0.00
54 TMP Isopropylbenzene	5.000	4.825	3.5	100	0.00
55 TMP Bromoform	5.000	4.479	10.4	100	0.00
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	10.000	10.032	-0.3	100	0.00
58 TMP n-Propylbenzene	5.000	4.943	1.1	100	0.00
59 TMP Bromobenzene	5.000	4.746	5.1	100	0.00
60 TMP 1,3,5-Trimethylbenzene	5.000	4.921	1.6	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	5.000	5.160	-3.2	100	0.00
62 TMP 1,2,3-Trichloropropane	5.000	4.739	5.2	100	0.00
63 TMP 2-Chlorotoluene	5.000	4.969	0.6	100	0.00
64 TMP 4-Chlorotoluene	5.000	4.862	2.8	100	0.00
65 TMP tert-Butylbenzene	5.000	4.679	6.4	100	0.00
66 TMP 1,2,4-Trimethylbenzene	5.000	4.776	4.5	100	0.00
67 TMP sec-Butylbenzene	5.000	4.846	3.1	100	0.00
68 TMP p-Isopropyltoluene	5.000	4.787	4.3	100	0.00
69 TMP 1,3-Dichlorobenzene	5.000	4.851	3.0	100	0.00
70 TMP 1,4-Dichlorobenzene	5.000	4.861	2.8	100	0.00
71 TMP 1,2-Dichlorobenzene	5.000	4.875	2.5	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	5.000	4.652	7.0	100	0.00
73 TMP 1,2,4-Trichlorobenzene	5.000	4.513	9.7	100	0.00
74 TMP Hexachlorobutadiene	5.000	4.605	7.9	100	0.00
75 TMP Naphthalene	5.000	4.473	10.5	100	0.00
76 TMP 1,2,3-Trichlorobenzene	5.000	4.612	7.8	100	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110513.D
 Acq On : 05 Nov 2022 02:16 pm
 Operator : VM
 Sample : 5 ppb 8260 ICAL 67-177M
 Misc : soil/water
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:23 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I Fluorobenzene	1.000	1.000	0.0	100	-0.01
2 TMP Ethanol	0.000	0.000#	0.0	0#	0.00
3 S Dibromofluoromethane	0.321	0.312	2.8	100	0.00
4 TMP Dichlorodifluoromethane	0.800	0.729	8.9	100	-0.01
5 TMP Chloromethane	0.488	0.473	3.1	100	-0.01
6 TMP Vinyl chloride	0.510	0.478	6.3	100	-0.01
7 TMP Bromomethane	0.432	0.422	2.3	86	-0.01
8 TMP Chloroethane	0.229	0.227	0.9	100	-0.01
9 TMP Trichlorofluoromethane	1.123	1.114	0.8	100	0.03
10 TMP 2-Propanol	0.000	0.000	0.0	0#	0.00
11 TMP Acetone	0.029	0.023	20.7#	100	0.00
12 TMP 1,1-Dichloroethene	0.285	0.272	4.6	100	-0.01
13 TMP Hexane	0.323	0.304	5.9	100	0.00
14 TMP Methylene chloride	0.289	0.327	-13.1	100	0.00
15 TMP t-Butyl alcohol (TBA)	0.024	0.021#	12.5	100	0.00
16 TMP Methyl t-butyl ether (MTBE)	0.666	0.628	5.7	100	0.00
17 TMP trans-1,2-Dichloroethene	0.318	0.301	5.3	100	-0.01
18 TMP Diisopropyl ether (DIPE)	0.698	0.652	6.6	100	0.00
19 TMP 1,1-Dichloroethane	0.463	0.435	6.0	100	0.00
20 TMP Ethyl t-butyl ether (ETBE)	0.258	0.223	13.6	100	-0.01
21 TMP 2,2-Dichloropropane	0.258	0.216	16.3	100	-0.01
22 TMP cis-1,2-Dichloroethene	0.333	0.325	2.4	100	0.00
23 TMP Chloroform	0.539	0.520	3.5	100	0.00
24 TMP 2-Butanone (MEK)	0.132	0.097	26.5#	100	0.00
25 TMP t-Amyl methyl ether (TAME)	0.540	0.489#	9.4	100	0.00
26 TMP 1,2-Dichloroethane (EDC)	0.465	0.405	12.9	99	-0.01
27 TMP 1,1,1-Trichloroethane	0.482	0.436	9.5	100	0.00
28 TMP 1,1-Dichloropropene	0.370	0.347	6.2	100	0.00
29 TMP Carbon tetrachloride	0.485	0.428	11.8	100	0.00
30 S 1,2-Dichloroethane-d4	0.062	0.060	3.2	100	0.00
31 TMP Benzene	1.118	1.037	7.2	100	0.00
32 TMP Trichloroethene	0.367	0.343	6.5	100	0.00
33 TMP 1,2-Dichloropropane	0.241	0.227	5.8	100	0.00
34 TMP Bromodichloromethane	0.387	0.363	6.2	100	0.00
35 S Toluene-d8	0.954	0.947	0.7	100	0.00
36 TMP Dibromomethane	0.219	0.196	10.5	100	-0.01
37 TMP 4-Methyl-2-pentanone	0.042	0.036	14.3	100	0.00
38 TMP cis-1,3-Dichloropropene	0.360	0.308	14.4	100	0.00
39 I Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40 TMP Toluene	0.907	0.796	12.2	100	0.00
41 TMP trans-1,3-Dichloropropene	0.366	0.305	16.7	100	0.00
42 TMP 1,1,2-Trichloroethane	0.285	0.255	10.5	100	0.00
43 TMP 2-Hexanone	0.190	0.168	11.6	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110513.D
 Acq On : 05 Nov 2022 02:16 pm
 Operator : VM
 Sample : 5 ppb 8260 ICAL 67-177M
 Misc : soil/water
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:23 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.457	0.450	1.5	100	-0.01
45 TMP Tetrachloroethene	0.460	0.402	12.6	100	0.00
46 TMP Dibromochloromethane	0.451	0.406	10.0	100	-0.01
47 TMP 1,2-Dibromoethane (EDB)	0.360	0.326	9.4	100	0.00
48 TMP Chlorobenzene	0.993	0.939	5.4	100	0.00
49 TMP Ethylbenzene	1.557	1.456	6.5	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.387	0.347	10.3	100	0.00
51 TMP m,p-Xylene	0.612	0.566	7.5	100	0.00
52 TMP o-Xylene	0.591	0.545	7.8	100	0.00
53 TMP Styrene	0.887	0.815	8.1	100	0.00
54 TMP Isopropylbenzene	1.435	1.385	3.5	100	0.00
55 TMP Bromoform	0.299	0.268	10.4	100	0.00
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	0.689	0.691	-0.3	100	0.00
58 TMP n-Propylbenzene	2.700	2.669	1.1	100	0.00
59 TMP Bromobenzene	0.837	0.795	5.0	100	0.00
60 TMP 1,3,5-Trimethylbenzene	1.968	1.937	1.6	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.626	0.609	2.7	100	0.00
62 TMP 1,2,3-Trichloropropane	0.486	0.461#	5.1	100	0.00
63 TMP 2-Chlorotoluene	1.617	1.607	0.6	100	0.00
64 TMP 4-Chlorotoluene	1.912	1.859	2.8	100	0.00
65 TMP tert-Butylbenzene	1.952	1.827	6.4	100	0.00
66 TMP 1,2,4-Trimethylbenzene	1.996	1.907	4.5	100	0.00
67 TMP sec-Butylbenzene	2.624	2.543	3.1	100	0.00
68 TMP p-Isopropyltoluene	2.387	2.285	4.3	100	0.00
69 TMP 1,3-Dichlorobenzene	1.530	1.484	3.0	100	0.00
70 TMP 1,4-Dichlorobenzene	1.564	1.521	2.7	100	0.00
71 TMP 1,2-Dichlorobenzene	1.455	1.418	2.5	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	0.108	0.100	7.4	100	0.00
73 TMP 1,2,4-Trichlorobenzene	0.971	0.876	9.8	100	0.00
74 TMP Hexachlorobutadiene	0.600	0.552	8.0	100	0.00
75 TMP Naphthalene	1.833	1.634	10.9	100	0.00
76 TMP 1,2,3-Trichlorobenzene	0.846	0.780	7.8	100	0.00

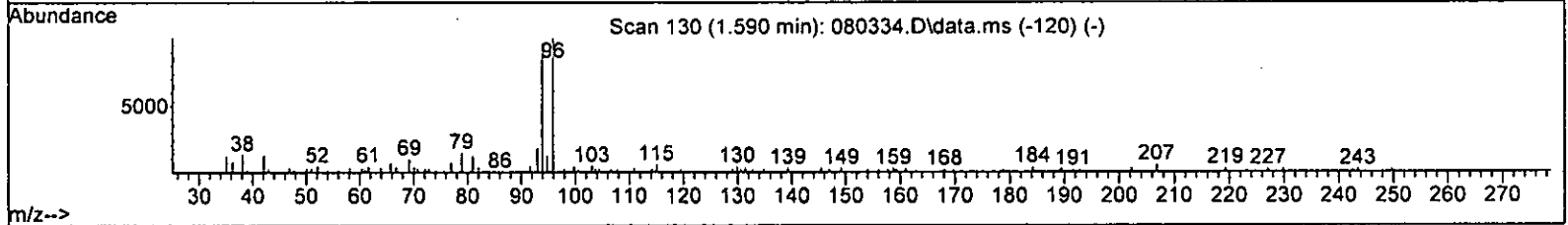
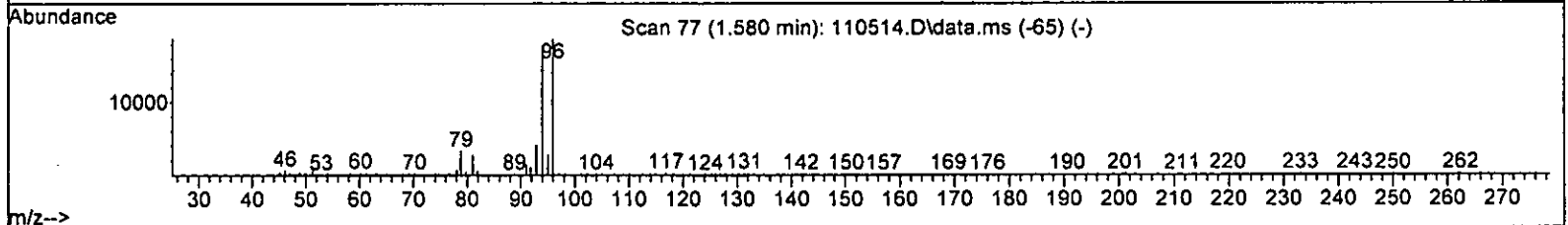
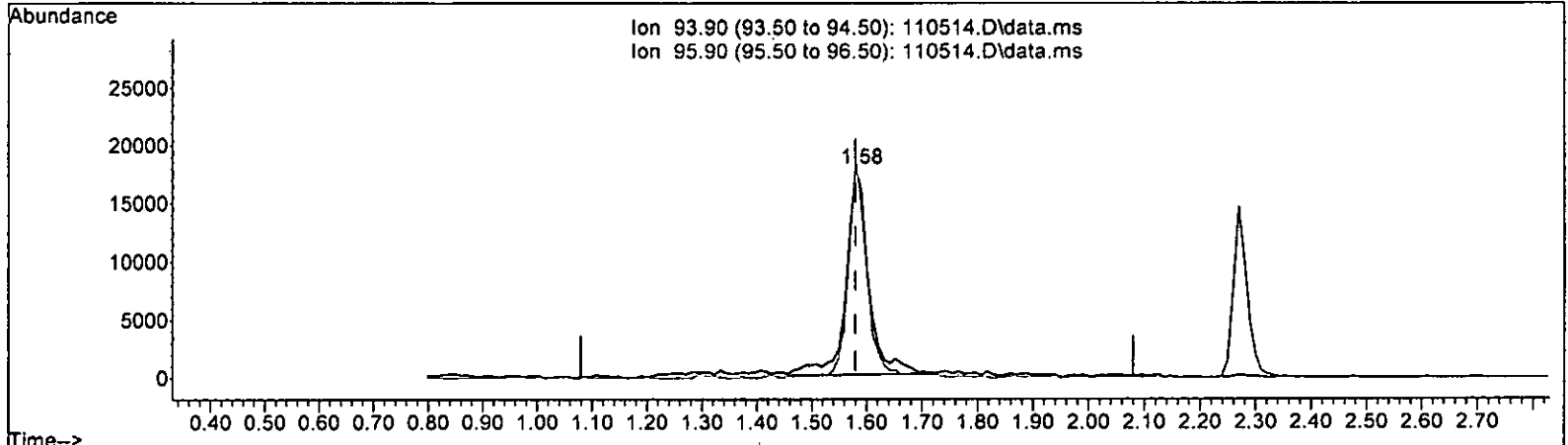
(#) = Out of Range

SPCC's out = 4 CCC's out = 0

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110514.D
 Acq On : 05 Nov 2022 02:39 pm
 Operator : VM
 Sample : 10 ppb 8260 ICAL 67-177N
 Misc : soil/water
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:25 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110514.D\data.ms

(7) Bromomethane (TMP)

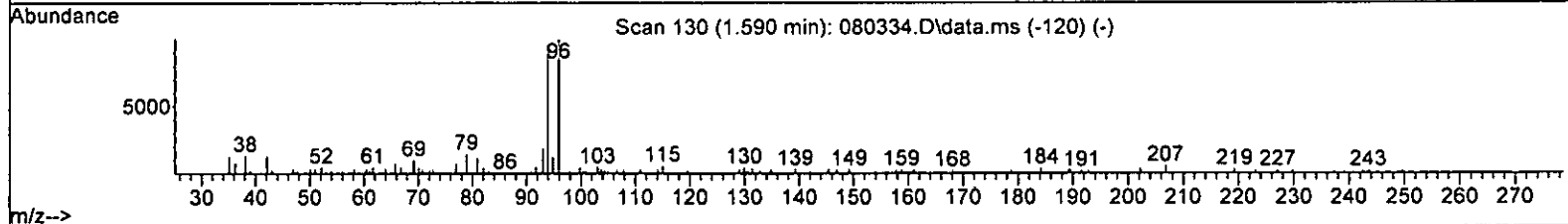
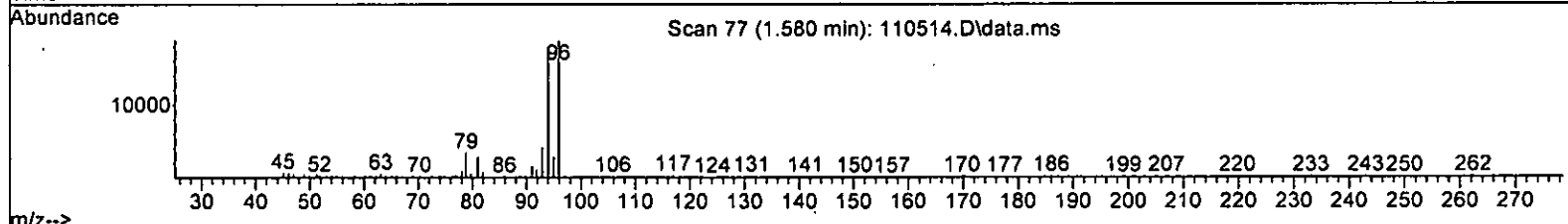
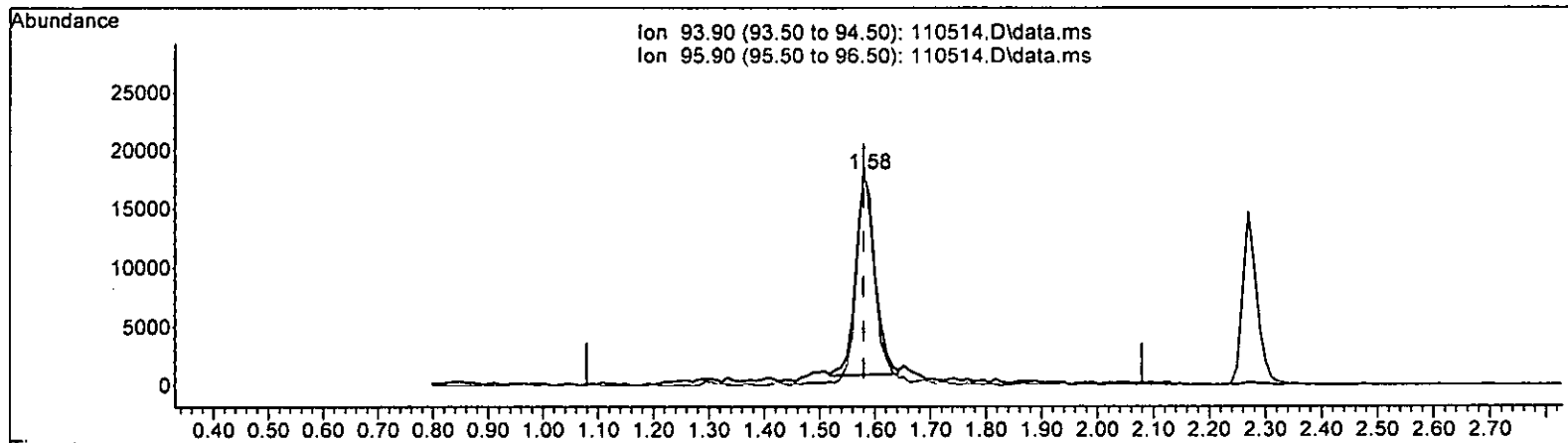
1.580min (+ 0.000) 11.319 ppb

response	51007
Ion	Exp% Act%
93.90	100.00 100.00
95.90	93.50 105.91
0.00	0.00 0.00
0.00	0.00 0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110514.D
 Acq On : 05 Nov 2022 02:39 pm
 Operator : VM
 Sample : 10 ppb 8260 ICAL 67-177N
 Misc : soil/water
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:25 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110514.D\data.ms

(7) Bromomethane (TMP)

1.580min (+ 0.000) 9.187 ppb m

response	41401
Ion	Exp% Act%
93.90	100.00 100.00
95.90	93.50 104.66
0.00	0.00 0.00
0.00	0.00 0.00

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110514.D
 Acq On : 05 Nov 2022 02:39 pm
 Operator : VM
 Sample : 10 ppb 8260 ICAL 67-177N
 Misc : soil/water
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:25 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	4.75	96	104308	10.000	ppb	0.00
39) Chlorobenzene-d5	7.41	117	87057	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	51133	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.18	113	33344	9.968	ppb	0.00
Spiked Amount	10.000	Range	50 - 150	Recovery	=	99.70%
30) 1,2-Dichloroethane-d4	4.45	102	6805	10.498	ppb	0.00
Spiked Amount	10.000	Range	84 - 120	Recovery	=	105.00%
35) Toluene-d8	6.11	98	101519	10.205	ppb	0.00
Spiked Amount	10.000	Range	73 - 128	Recovery	=	102.00%
57) 4-Bromofluorobenzene	8.51	95	35310	10.022	ppb	0.00
Spiked Amount	10.000	Range	57 - 146	Recovery	=	100.20%
Target Compounds						
						Qvalue
2) Ethanol	2.33	45	337	No Calib		
4) Dichlorodifluoromethane	1.12	85	82454	9.881	ppb	99
5) Chloromethane	1.26	50	52455	10.302	ppb	96
6] Vinyl chloride	1.34	62	52244	9.826	ppb	95
7) Bromomethane	1.58	94	41401m	9.187	ppb	
8] Chloroethane	1.65	64	24645	10.332	ppb	96
9) Trichlorofluoromethane	1.83	101	113746	9.710	ppb	93
10) 2-Propanol	2.33	45	337	No Calib	#	
11) Acetone	2.33	58	15004	54.589	ppb	90
12] 1,1-Dichloroethene	2.27	96	29285	9.854	ppb	89
13) Hexane	3.16	57	34044	10.096	ppb	96
14) Methylene chloride	2.68	84	31652	10.138	ppb	94
15) t-Butyl alcohol (TBA)	2.82	59	12685	50.668	ppb	92
16] Methyl t-butyl ether (...)	2.93	73	70284	10.120	ppb	98
17] trans-1,2-Dichloroethene	2.92	96	32760	9.862	ppb	92
18) Diisopropyl ether (DIPE)	3.35	45	70407	9.674	ppb	100
19] 1,1-Dichloroethane	3.27	63	49510	10.243	ppb	98
20) Ethyl t-butyl ether (E...)	3.66	87	25865	9.626	ppb	# 90
21) 2,2-Dichloropropane	3.77	77	23624	9.405	ppb	97
22] cis-1,2-Dichloroethene	3.77	96	35146	10.114	ppb	96
23) Chloroform	4.04	83	55529	9.884	ppb	95
24) 2-Butanone (MEK)	3.80	43	68680	52.470	ppb	99
25) t-Amyl methyl ether (T...)	4.61	73	56141	9.959	ppb	95
26] 1,2-Dichloroethane (EDC)	4.53	62	44319	10.457	ppb	98
27] 1,1,1-Trichloroethane	4.19	97	49472	9.844	ppb	95
28) 1,1-Dichloropropene	4.33	75	38299	10.159	ppb	99
29) Carbon tetrachloride	4.33	117	48992	9.682	ppb	99
31] Benzene	4.50	78	114400	9.807	ppb	97
32] Trichloroethene	5.05	95	37097	9.703	ppb	85
33) 1,2-Dichloropropane	5.24	63	24611	9.792	ppb	97
34) Bromodichloromethane	5.48	83	41413	10.269	ppb	94
36) Dibromomethane	5.35	93	22692	9.913	ppb	87

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110514.D
 Acq On : 05 Nov 2022 02:39 pm
 Operator : VM
 Sample : 10 ppb 8260 ICAL 67-177N
 Misc : soil/water
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS13

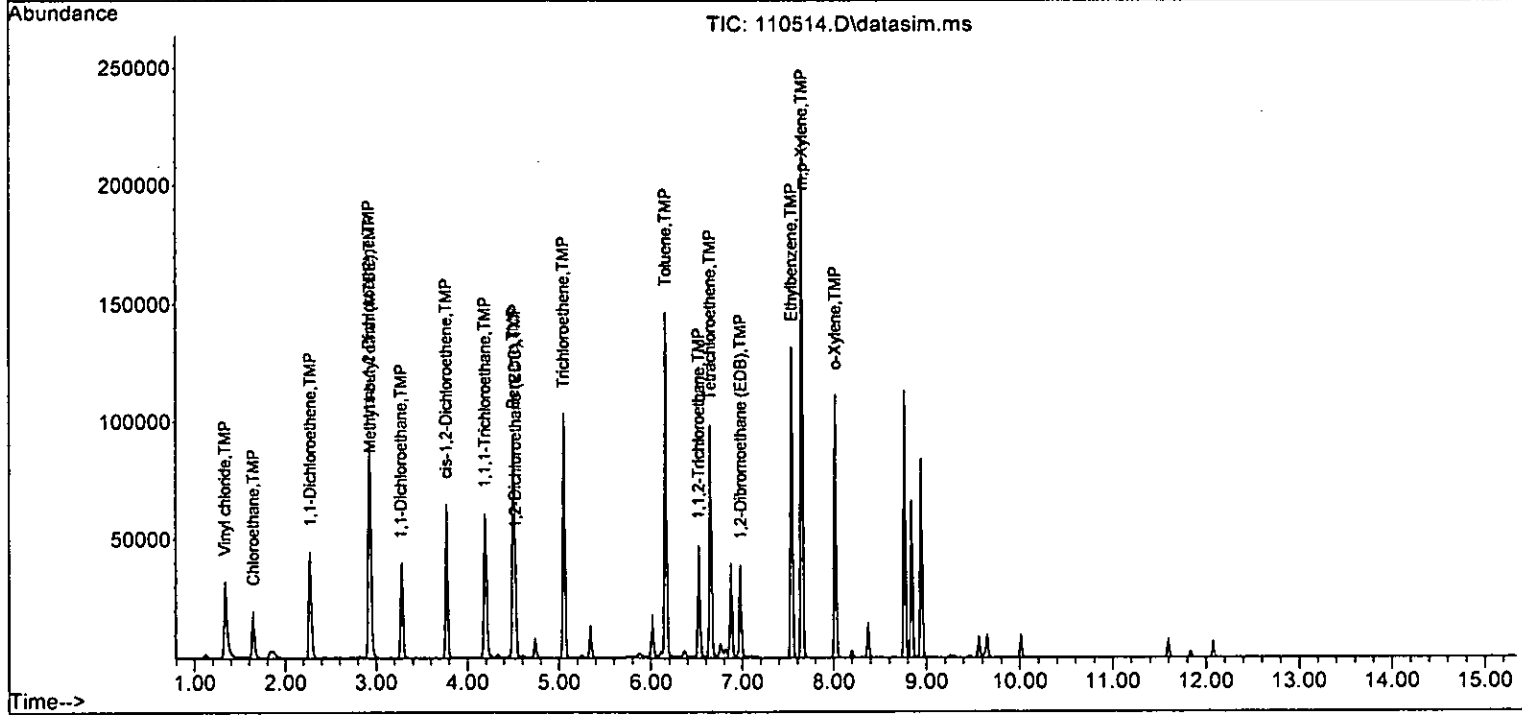
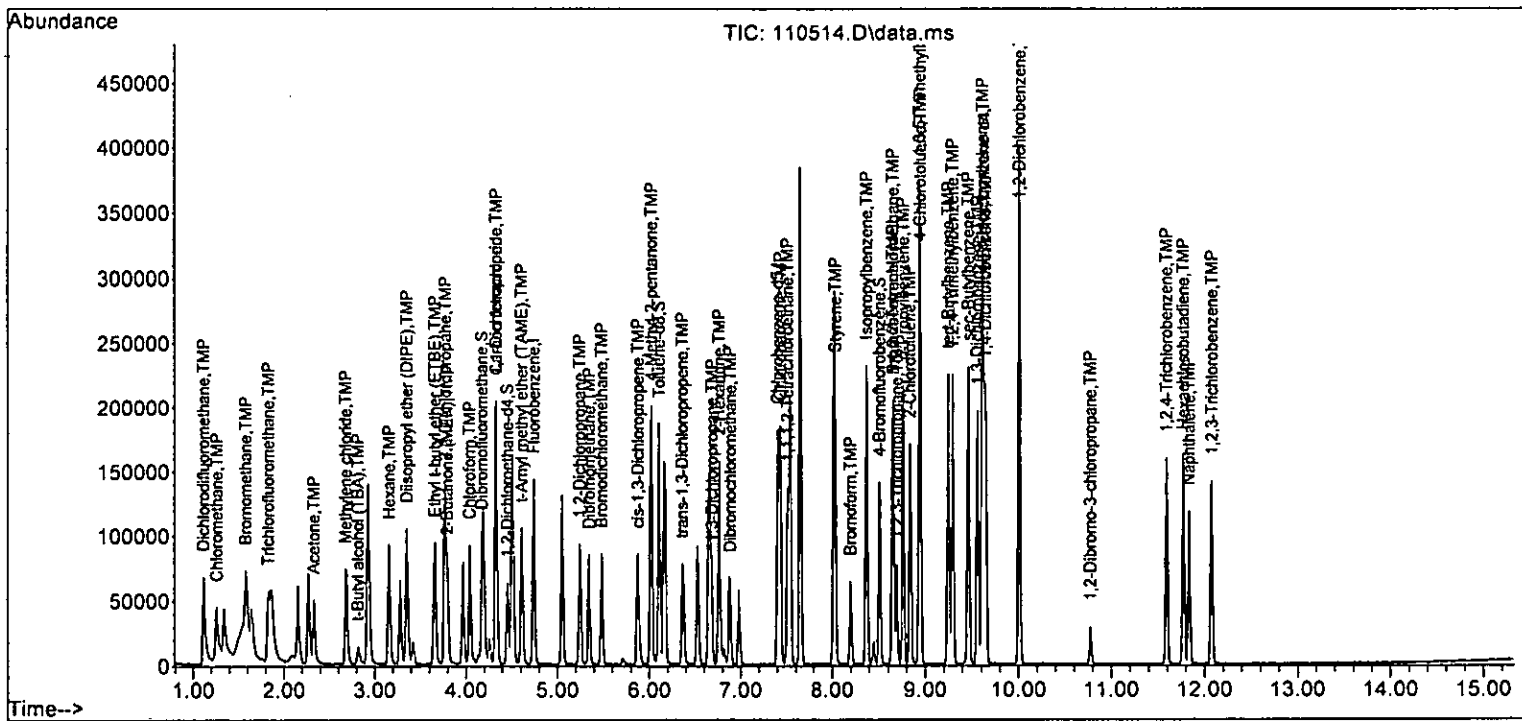
Quant Time: Nov 07 15:17:25 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	6.02	85	22592	51.053	ppb	87
38) cis-1,3-Dichloropropene	5.88	75	34553	9.199	ppb	92
40] Toluene	6.16	92	72112	10.334	ppb	98
41) trans-1,3-Dichloropropene	6.36	75	28870	9.423	ppb	89
42] 1,1,2-Trichloroethane	6.53	83	23239	10.318	ppb	92
43) 2-Hexanone	6.76	43	83273	50.462	ppb	95
44) 1,3-Dichloropropane	6.68	76	39919	10.029	ppb	99
45] Tetrachloroethene	6.65	164	35768	10.402	ppb	96
46) Dibromochloromethane	6.89	129	36547	9.760	ppb	100
47] 1,2-Dibromoethane (EDB)	6.98	107	30662	9.796	ppb	99
48) Chlorobenzene	7.43	112	84024	9.720	ppb	96
49] Ethylbenzene	7.54	91	132199	9.753	ppb	96
50) 1,1,1,2-Tetrachloroethane	7.51	131	31977	9.502	ppb	96
51] m,p-Xylene	7.65	106	104427	19.606	ppb	91
52] o-Xylene	8.02	106	50131	9.748	ppb	89
53) Styrene	8.03	104	77903	10.086	ppb	97
54) Isopropylbenzene	8.37	105	125406	10.035	ppb	95
55) Bromoform	8.20	173	25019	9.611	ppb	99
58) n-Propylbenzene	8.77	91	142590	10.329	ppb	90
59) Bromobenzene	8.65	156	42431	9.909	ppb #	77
60) 1,3,5-Trimethylbenzene	8.94	105	101060	10.045	ppb	94
61) 1,1,2,2-Tetrachloroethane	8.65	83	31804	10.662	ppb	98
62) 1,2,3-Trichloropropane	8.70	75	24300	9.774	ppb	94
63) 2-Chlorotoluene	8.84	91	84235	10.189	ppb	92
64) 4-Chlorotoluene	8.95	91	97390	9.962	ppb	85
65) tert-Butylbenzene	9.25	119	96957	9.715	ppb	94
66) 1,2,4-Trimethylbenzene	9.30	105	103049	10.095	ppb	93
67) sec-Butylbenzene	9.46	105	134934	10.057	ppb	98
68) p-Isopropyltoluene	9.61	119	122277	10.019	ppb	97
69) 1,3-Dichlorobenzene	9.56	146	77024	9.849	ppb	96
70) 1,4-Dichlorobenzene	9.64	146	78396	9.803	ppb	99
71) 1,2-Dichlorobenzene	10.01	146	75064	10.092	ppb	97
72) 1,2-Dibromo-3-chloropr...	10.77	75	5363	9.720	ppb	94
73) 1,2,4-Trichlorobenzene	11.59	180	46976	9.466	ppb	99
74) Hexachlorobutadiene	11.77	225	29590	9.649	ppb	96
75) Naphthalene	11.83	128	88116	9.287	ppb	99
76) 1,2,3-Trichlorobenzene	12.08	180	41267	9.540	ppb	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS13\11-05-22\
Data File : 110514.D
Acq On : 05 Nov 2022 02:39 pm
Operator : VM
Sample : 10 ppb 8260 ICAL 67-177N
Misc : soil/water
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Nov 07 15:17:25 2022
Quant Method : D:\Methods\Inst13\VB110522ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Mon Nov 07 15:16:10 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M



Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110514.D
 Acq On : 05 Nov 2022 02:39 pm
 Operator : VM
 Sample : 10 ppb 8260 ICAL 67-177N
 Misc : soil/water
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:25 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I Fluorobenzene	10.000	10.000	0.0	100	0.00
2 TMP Ethanol	-1.000	0.000	0.0	0	0.00
3 S Dibromofluoromethane	10.000	9.968	0.3	100	0.00
4 TMP Dichlorodifluoromethane	10.000	9.881	1.2	100	0.00
5 TMP Chloromethane	10.000	10.302	-3.0	100	0.00
6 TMP Vinyl chloride	10.000	9.826	1.7	100	0.00
7 TMP Bromomethane	10.000	9.187	8.1	81	0.00
8 TMP Chloroethane	10.000	10.332	-3.3	100	0.00
9 TMP Trichlorofluoromethane	10.000	9.710	2.9	100	0.00
10 TMP 2-Propanol	-1.000	0.000	0.0	0	0.00
11 TMP Acetone	50.000	54.589	-9.2	100	0.00
12 TMP 1,1-Dichloroethene	10.000	9.854	1.5	100	0.00
13 TMP Hexane	10.000	10.096	-1.0	100	0.00
14 TMP Methylene chloride	10.000	10.138	-1.4	100	0.00
15 TMP t-Butyl alcohol (TBA)	50.000	50.668	-1.3	100	0.00
16 TMP Methyl t-butyl ether (MTBE)	10.000	10.120	-1.2	100	0.00
17 TMP trans-1,2-Dichloroethene	10.000	9.862	1.4	100	0.00
18 TMP Diisopropyl ether (DIPE)	10.000	9.674	3.3	100	0.00
19 TMP 1,1-Dichloroethane	10.000	10.243	-2.4	100	0.00
20 TMP Ethyl t-butyl ether (ETBE)	10.000	9.626	3.7	100	0.00
21 TMP 2,2-Dichloropropane	10.000	9.405	6.0	100	0.00
22 TMP cis-1,2-Dichloroethene	10.000	10.114	-1.1	100	0.00
23 TMP Chloroform	10.000	9.884	1.2	100	0.00
24 TMP 2-Butanone (MEK)	50.000	52.470	-4.9	100	0.00
25 TMP t-Amyl methyl ether (TAME)	10.000	9.959	0.4	100	0.00
26 TMP 1,2-Dichloroethane (EDC)	10.000	10.457	-4.6	100	0.00
27 TMP 1,1,1-Trichloroethane	10.000	9.844	1.6	100	0.00
28 TMP 1,1-Dichloropropene	10.000	10.159	-1.6	100	0.00
29 TMP Carbon tetrachloride	10.000	9.682	3.2	100	0.00
30 S 1,2-Dichloroethane-d4	10.000	10.498	-5.0	100	0.00
31 TMP Benzene	10.000	9.807	1.9	100	0.00
32 TMP Trichloroethene	10.000	9.703	3.0	100	0.00
33 TMP 1,2-Dichloropropane	10.000	9.792	2.1	100	0.00
34 TMP Bromodichloromethane	10.000	10.269	-2.7	100	0.00
35 S Toluene-d8	10.000	10.205	-2.1	100	0.00
36 TMP Dibromomethane	10.000	9.913	0.9	100	0.00
37 TMP 4-Methyl-2-pentanone	50.000	51.053	-2.1	100	0.00
38 TMP cis-1,3-Dichloropropene	10.000	9.199	8.0	100	0.00
39 I Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40 TMP Toluene	10.000	10.334	-3.3	100	0.00
41 TMP trans-1,3-Dichloropropene	10.000	9.423	5.8	100	0.00
42 TMP 1,1,2-Trichloroethane	10.000	10.318	-3.2	100	0.00
43 TMP 2-Hexanone	50.000	50.462	-0.9	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110514.D
 Acq On : 05 Nov 2022 02:39 pm
 Operator : VM
 Sample : 10 ppb 8260 ICAL 67-177N
 Misc : soil/water
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:25 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	10.000	10.029	-0.3	100	0.00
45 TMP Tetrachloroethene	10.000	10.402	-4.0	100	0.00
46 TMP Dibromochloromethane	10.000	9.760	2.4	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	10.000	9.796	2.0	100	0.00
48 TMP Chlorobenzene	10.000	9.720	2.8	100	0.00
49 TMP Ethylbenzene	10.000	9.753	2.5	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	10.000	9.502	5.0	100	0.00
51 TMP m,p-Xylene	20.000	19.606	2.0	100	0.00
52 TMP o-Xylene	10.000	9.748	2.5	100	0.00
53 TMP Styrene	10.000	10.086	-0.9	100	0.00
54 TMP Isopropylbenzene	10.000	10.035	-0.4	100	0.00
55 TMP Bromoform	10.000	9.611	3.9	100	0.00
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	10.000	10.022	-0.2	100	0.00
58 TMP n-Propylbenzene	10.000	10.329	-3.3	100	0.00
59 TMP Bromobenzene	10.000	9.909	0.9	100	0.00
60 TMP 1,3,5-Trimethylbenzene	10.000	10.045	-0.4	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	10.000	10.662	-6.6	100	0.00
62 TMP 1,2,3-Trichloropropane	10.000	9.774	2.3	100	0.00
63 TMP 2-Chlorotoluene	10.000	10.189	-1.9	100	0.00
64 TMP 4-Chlorotoluene	10.000	9.962	0.4	100	0.00
65 TMP tert-Butylbenzene	10.000	9.715	2.9	100	0.00
66 TMP 1,2,4-Trimethylbenzene	10.000	10.095	-1.0	100	0.00
67 TMP sec-Butylbenzene	10.000	10.057	-0.6	100	0.00
68 TMP p-Isopropyltoluene	10.000	10.019	-0.2	100	0.00
69 TMP 1,3-Dichlorobenzene	10.000	9.849	1.5	100	0.00
70 TMP 1,4-Dichlorobenzene	10.000	9.803	2.0	100	0.00
71 TMP 1,2-Dichlorobenzene	10.000	10.092	-0.9	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	10.000	9.720	2.8	100	0.00
73 TMP 1,2,4-Trichlorobenzene	10.000	9.466	5.3	100	0.00
74 TMP Hexachlorobutadiene	10.000	9.649	3.5	100	0.00
75 TMP Naphthalene	10.000	9.287	7.1	100	0.00
76 TMP 1,2,3-Trichlorobenzene	10.000	9.540	4.6	100	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110514.D
 Acq On : 05 Nov 2022 02:39 pm
 Operator : VM
 Sample : 10 ppb 8260 ICAL 67-177N
 Misc : soil/water
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:25 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2 TMP	Ethanol	0.000	0.000#	0.0	0#	0.00
3 S	Dibromofluoromethane	0.321	0.320	0.3	100	0.00
4 TMP	Dichlorodifluoromethane	0.800	0.790	1.3	100	0.00
5 TMP	Chloromethane	0.488	0.503	-3.1	100	0.00
6 TMP	Vinyl chloride	0.510	0.501	1.8	100	0.00
7 TMP	Bromomethane	0.432	0.397	8.1	81	0.00
8 TMP	Chloroethane	0.229	0.236	-3.1	100	0.00
9 TMP	Trichlorofluoromethane	1.123	1.090	2.9	100	0.00
10 TMP	2-Propanol	0.000	0.000	0.0	0#	0.00
11 TMP	Acetone	0.029	0.029	0.0	100	0.00
12 TMP	1,1-Dichloroethene	0.285	0.281	1.4	100	0.00
13 TMP	Hexane	0.323	0.326	-0.9	100	0.00
14 TMP	Methylene chloride	0.289	0.303	-4.8	100	0.00
15 TMP	t-Butyl alcohol (TBA)	0.024	0.024#	0.0	100	0.00
16 TMP	Methyl t-butyl ether (MTBE)	0.666	0.674	-1.2	100	0.00
17 TMP	trans-1,2-Dichloroethene	0.318	0.314	1.3	100	0.00
18 TMP	Diisopropyl ether (DIPE)	0.698	0.675	3.3	100	0.00
19 TMP	1,1-Dichloroethane	0.463	0.475	-2.6	100	0.00
20 TMP	Ethyl t-butyl ether (ETBE)	0.258	0.248	3.9	100	0.00
21 TMP	2,2-Dichloropropane	0.258	0.226	12.4	100	0.00
22 TMP	cis-1,2-Dichloroethene	0.333	0.337	-1.2	100	0.00
23 TMP	Chloroform	0.539	0.532	1.3	100	0.00
24 TMP	2-Butanone (MEK)	0.132	0.132	0.0	100	0.00
25 TMP	t-Amyl methyl ether (TAME)	0.540	0.538	0.4	100	0.00
26 TMP	1,2-Dichloroethane (EDC)	0.465	0.425	8.6	100	0.00
27 TMP	1,1,1-Trichloroethane	0.482	0.474	1.7	100	0.00
28 TMP	1,1-Dichloropropane	0.370	0.367	0.8	100	0.00
29 TMP	Carbon tetrachloride	0.485	0.470	3.1	100	0.00
30 S	1,2-Dichloroethane-d4	0.062	0.065	-4.8	100	0.00
31 TMP	Benzene	1.118	1.097	1.9	100	0.00
32 TMP	Trichloroethene	0.367	0.356	3.0	100	0.00
33 TMP	1,2-Dichloropropane	0.241	0.236	2.1	100	0.00
34 TMP	Bromodichloromethane	0.387	0.397	-2.6	100	0.00
35 S	Toluene-d8	0.954	0.973	-2.0	100	0.00
36 TMP	Dibromomethane	0.219	0.218	0.5	100	0.00
37 TMP	4-Methyl-2-pentanone	0.042	0.043	-2.4	100	0.00
38 TMP	cis-1,3-Dichloropropene	0.360	0.331	8.1	100	0.00
39 I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40 TMP	Toluene	0.907	0.828	8.7	100	0.00
41 TMP	trans-1,3-Dichloropropene	0.366	0.332	9.3	100	0.00
42 TMP	1,1,2-Trichloroethane	0.285	0.267	6.3	100	0.00
43 TMP	2-Hexanone	0.190	0.191	-0.5	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110514.D
 Acq On : 05 Nov 2022 02:39 pm
 Operator : VM
 Sample : 10 ppb 8260 ICAL 67-177N
 Misc : soil/water
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:25 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.457	0.459	-0.4	100	0.00
45 TMP Tetrachloroethene	0.460	0.411	10.7	100	0.00
46 TMP Dibromochloromethane	0.451	0.420	6.9	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	0.360	0.352	2.2	100	0.00
48 TMP Chlorobenzene	0.993	0.965	2.8	100	0.00
49 TMP Ethylbenzene	1.557	1.519	2.4	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.387	0.367	5.2	100	0.00
51 TMP m,p-Xylene	0.612	0.600	2.0	100	0.00
52 TMP o-Xylene	0.591	0.576	2.5	100	0.00
53 TMP Styrene	0.887	0.895	-0.9	100	0.00
54 TMP Isopropylbenzene	1.435	1.441	-0.4	100	0.00
55 TMP Bromoform	0.299	0.287	4.0	100	0.00
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	0.689	0.691	-0.3	100	0.00
58 TMP n-Propylbenzene	2.700	2.789	-3.3	100	0.00
59 TMP Bromobenzene	0.837	0.830	0.8	100	0.00
60 TMP 1,3,5-Trimethylbenzene	1.968	1.976	-0.4	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.626	0.622	0.6	100	0.00
62 TMP 1,2,3-Trichloropropane	0.486	0.475#	2.3	100	0.00
63 TMP 2-Chlorotoluene	1.617	1.647	-1.9	100	0.00
64 TMP 4-Chlorotoluene	1.912	1.905	0.4	100	0.00
65 TMP tert-Butylbenzene	1.952	1.896	2.9	100	0.00
66 TMP 1,2,4-Trimethylbenzene	1.996	2.015	-1.0	100	0.00
67 TMP sec-Butylbenzene	2.624	2.639	-0.6	100	0.00
68 TMP p-Isopropyltoluene	2.387	2.391	-0.2	100	0.00
69 TMP 1,3-Dichlorobenzene	1.530	1.506	1.6	100	0.00
70 TMP 1,4-Dichlorobenzene	1.564	1.533	2.0	100	0.00
71 TMP 1,2-Dichlorobenzene	1.455	1.468	-0.9	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	0.108	0.105	2.8	100	0.00
73 TMP 1,2,4-Trichlorobenzene	0.971	0.919	5.4	100	0.00
74 TMP Hexachlorobutadiene	0.600	0.579	3.5	100	0.00
75 TMP Naphthalene	1.833	1.723	6.0	100	0.00
76 TMP 1,2,3-Trichlorobenzene	0.846	0.807	4.6	100	0.00

(#) = Out of Range

SPCC's out = 3 CCC's out = 0

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110515.D
 Acq On : 05 Nov 2022 03:03 pm
 Operator : VM
 Sample : 20 ppb 8260 ICAL 67-1770
 Misc : soil/water
 ALS Vial : 11 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:27 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	4.75	96	105008	10.000	ppb	0.00
39) Chlorobenzene-d5	7.40	117	89462	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	52775	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.18	113	33718	10.013	ppb	0.00
Spiked Amount	10.000	Range 50 - 150	Recovery	=	100.10%	
30) 1,2-Dichloroethane-d4	4.45	102	6337	9.710	ppb	0.00
Spiked Amount	10.000	Range 84 - 120	Recovery	=	97.10%	
35) Toluene-d8	6.11	98	101082	10.093	ppb	0.00
Spiked Amount	10.000	Range 73 - 128	Recovery	=	100.90%	
57) 4-Bromofluorobenzene	8.51	95	34733	9.551	ppb	0.00
Spiked Amount	10.000	Range 57 - 146	Recovery	=	95.50%	
Target Compounds						
						Qvalue
2) Ethanol	2.32	45	607	No Calib		
4) Dichlorodifluoromethane	1.11	85	154866	18.434	ppb	100
5) Chloromethane	1.25	50	98937	19.301	ppb	94
6] Vinyl chloride	1.34	62	100432	18.764	ppb	100
7) Bromomethane	1.58	94	91854	20.247	ppb	98
8] Chloroethane	1.64	64	47471	19.769	ppb	98
9) Trichlorofluoromethane	1.83	101	233636	19.811	ppb	99
10) 2-Propanol	2.32	45	607	No Calib		
11) Acetone	2.32	58	27987	101.273	ppb	94
12] 1,1-Dichloroethene	2.26	96	56156	18.770	ppb	# 71
13) Hexane	3.16	57	65322	19.242	ppb	96
14) Methylene chloride	2.68	84	59931	20.124	ppb	97
15) t-Butyl alcohol (TBA)	2.82	59	23148	91.844	ppb	83
16] Methyl t-butyl ether (...)	2.93	73	135072	19.320	ppb	98
17] trans-1,2-Dichloroethene	2.92	96	61409	18.363	ppb	98
18) Diisopropyl ether (DIPE)	3.35	45	137455	18.760	ppb	97
19] 1,1-Dichloroethane	3.27	63	93540	19.223	ppb	99
20) Ethyl t-butyl ether (E...)	3.66	87	50057	18.504	ppb	92
21) 2,2-Dichloropropane	3.76	77	45590	17.884	ppb	99
22] cis-1,2-Dichloroethene	3.77	96	66068	18.886	ppb	99
23) Chloroform	4.04	83	106690	18.863	ppb	100
24) 2-Butanone (MEK)	3.79	43	133256	101.085	ppb	97
25) t-Amyl methyl ether (T...)	4.61	73	110109	19.403	ppb	96
26] 1,2-Dichloroethane (EDC)	4.52	62	84215	19.800	ppb	92
27] 1,1,1-Trichloroethane	4.19	97	96380	19.049	ppb	96
28) 1,1-Dichloropropene	4.33	75	74331	19.559	ppb	96
29) Carbon tetrachloride	4.33	117	93871	18.427	ppb	96
31] Benzene	4.50	78	217715	18.539	ppb	99
32] Trichloroethene	5.05	95	69909	18.164	ppb	79
33) 1,2-Dichloropropane	5.24	63	47862	18.917	ppb	98
34) Bromodichloromethane	5.48	83	80311	19.782	ppb	93
36) Dibromomethane	5.35	93	42084	18.262	ppb	# 81

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110515.D
 Acq On : 05 Nov 2022 03:03 pm
 Operator : VM
 Sample : 20 ppb 8260 ICAL 67-1770
 Misc : soil/water
 ALS Vial : 11 Sample Multiplier: 1
 InstName : GCMS13

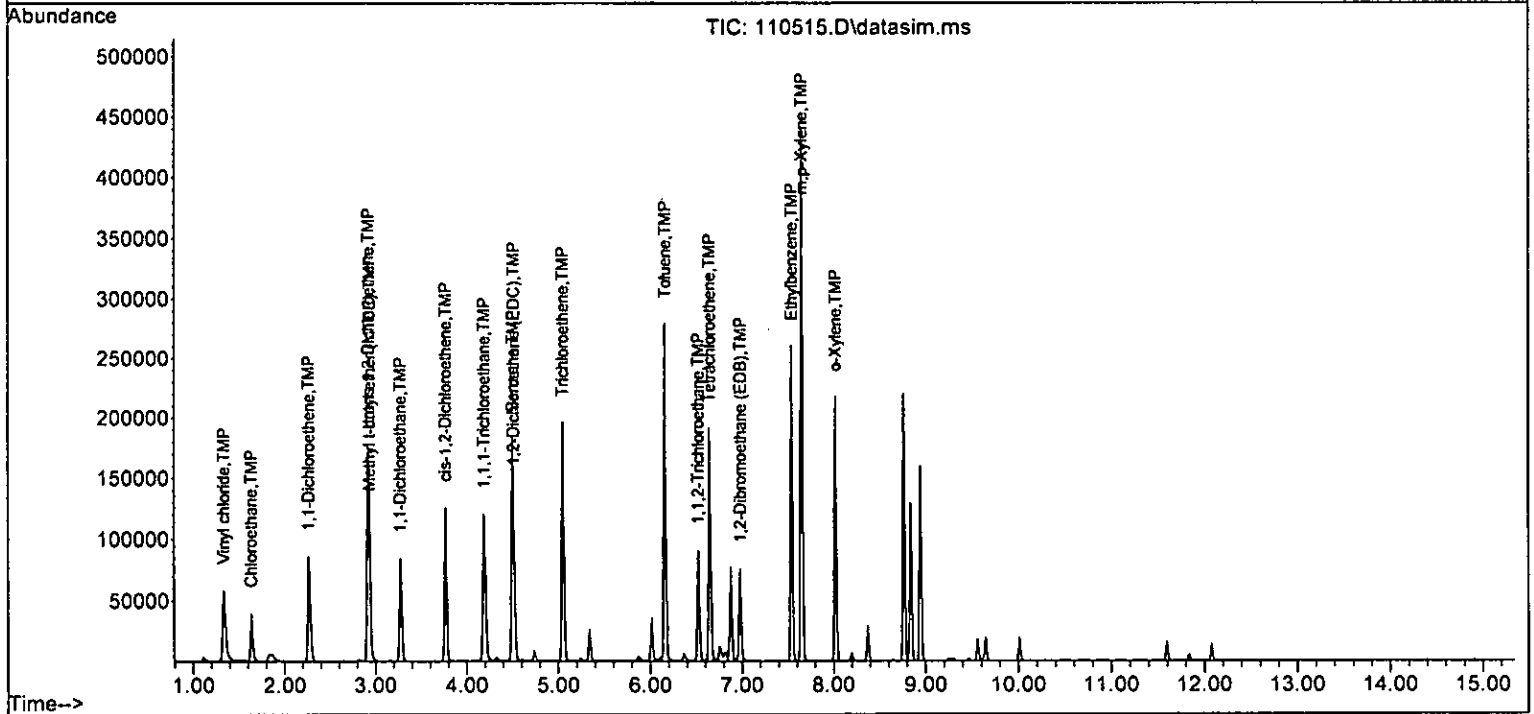
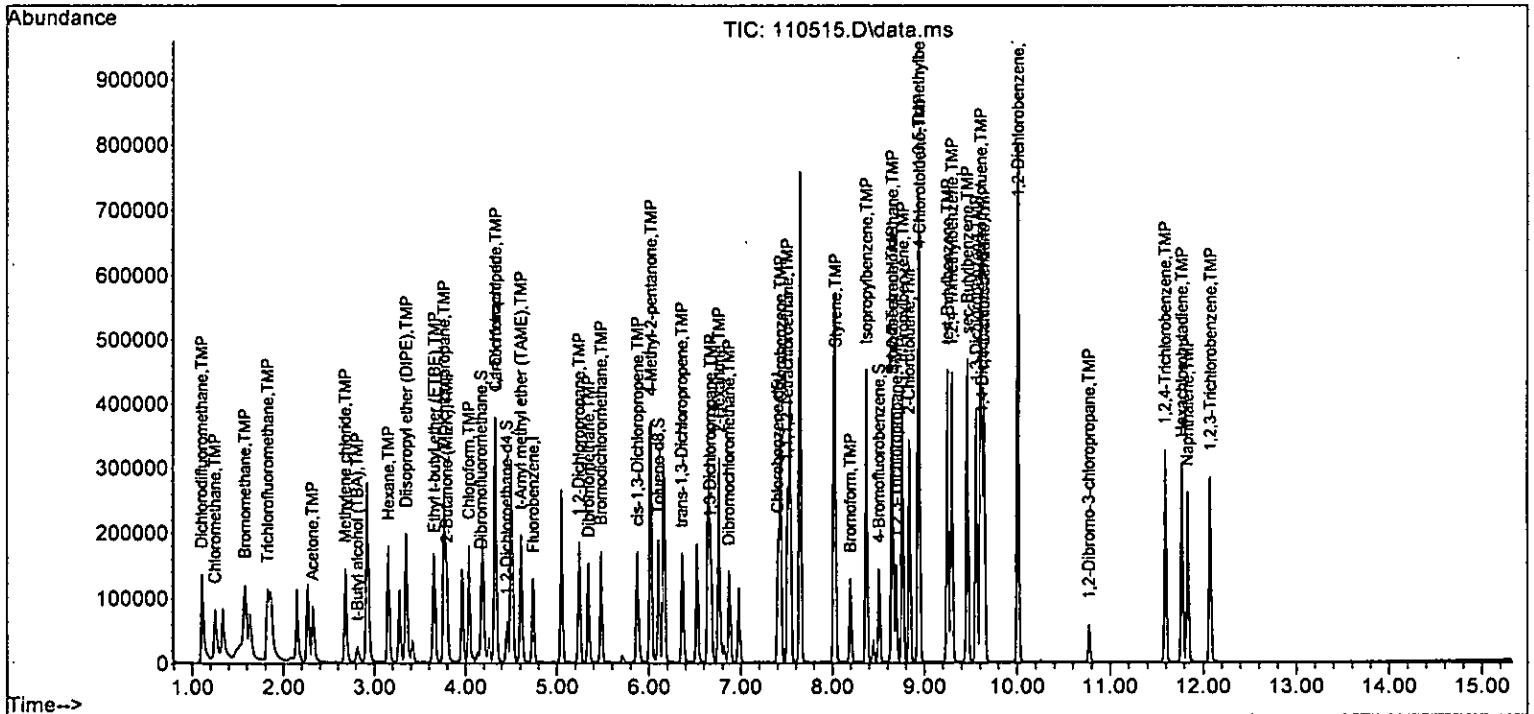
Quant Time: Nov 07 15:17:27 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	6.02	85	45279	101.638	ppb	97
38) cis-1,3-Dichloropropene	5.88	75	70729	18.705	ppb	93
40] Toluene	6.16	92	139892	19.521	ppb	97
41) trans-1,3-Dichloropropene	6.36	75	59494	18.667	ppb	91
42] 1,1,2-Trichloroethane	6.53	83	45453	19.683	ppb	90
43) 2-Hexanone	6.76	43	168998	99.657	ppb	96
44) 1,3-Dichloropropane	6.67	76	77532	18.955	ppb	98
45] Tetrachloroethene	6.65	164	68802	19.433	ppb	96
46) Dibromochloromethane	6.87	129	73622	19.026	ppb	97
47] 1,2-Dibromoethane (EDB)	6.98	107	60626	18.849	ppb	98
48) Chlorobenzene	7.43	112	167733	18.882	ppb	96
49] Ethylbenzene	7.54	91	260481	18.701	ppb	95
50) 1,1,1,2-Tetrachloroethane	7.51	131	65984	19.080	ppb	95
51] m,p-Xylene	7.65	106	204901	37.436	ppb	89
52] o-Xylene	8.02	106	98531	18.644	ppb	90
53) Styrene	8.03	104	154830	19.506	ppb	98
54) Isopropylbenzene	8.37	105	250256	19.488	ppb	96
55) Bromoform	8.20	173	49623	18.550	ppb	99
58) n-Propylbenzene	8.77	91	278485	19.546	ppb	91
59) Bromobenzene	8.65	156	81205	18.374	ppb	85
60) 1,3,5-Trimethylbenzene	8.94	105	202069	19.459	ppb	94
61) 1,1,2,2-Tetrachloroethane	8.65	83	61801	20.197	ppb	99
62) 1,2,3-Trichloropropane	8.70	75	48175	18.774	ppb	94
63) 2-Chlorotoluene	8.84	91	162962	19.099	ppb	93
64) 4-Chlorotoluene	8.95	91	193817	19.208	ppb	90
65) tert-Butylbenzene	9.25	119	194274	18.860	ppb	95
66) 1,2,4-Trimethylbenzene	9.30	105	208375	19.778	ppb	94
67) sec-Butylbenzene	9.46	105	267303	19.304	ppb	96
68) p-Isopropyltoluene	9.61	119	246519	19.570	ppb	97
69) 1,3-Dichlorobenzene	9.56	146	149710	18.547	ppb	95
70) 1,4-Dichlorobenzene	9.64	146	152776	18.509	ppb	97
71) 1,2-Dichlorobenzene	10.01	146	145355	18.935	ppb	97
72) 1,2-Dibromo-3-chloropr...	10.77	75	10358	18.189	ppb	98
73) 1,2,4-Trichlorobenzene	11.59	180	95023	18.552	ppb	95
74) Hexachlorobutadiene	11.77	225	57189	18.069	ppb	99
75) Naphthalene	11.83	128	186455	18.714	ppb	99
76) 1,2,3-Trichlorobenzene	12.08	180	84682	18.968	ppb	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110515.D
 Acq On : 05 Nov 2022 03:03 pm
 Operator : VM
 Sample : 20 ppb 8260 ICAL 67-1770
 Misc : soil/water
 ALS Vial : 11 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:27 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110515.D
 Acq On : 05 Nov 2022 03:03 pm
 Operator : VM
 Sample : 20 ppb 8260 ICAL 67-1770
 Misc : soil/water
 ALS Vial : 11 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:27 2022
 Quant Method : D:\Methods\Inst13\V8110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2 TMP	Ethanol	-1.000	0.000	0.0	0	0.00
3 S	Dibromofluoromethane	10.000	10.013	-0.1	100	0.00
4 TMP	Dichlorodifluoromethane	20.000	18.434	7.8	100	-0.01
5 TMP	Chloromethane	20.000	19.301	3.5	100	-0.01
6 TMP	Vinyl chloride	20.000	18.764	6.2	100	0.00
7 TMP	Bromomethane	20.000	20.247	-1.2	100	0.00
8 TMP	Chloroethane	20.000	19.769	1.2	100	-0.01
9 TMP	Trichlorofluoromethane	20.000	19.811	0.9	100	0.00
10 TMP	2-Propanol	-1.000	0.000	0.0	0	0.00
11 TMP	Acetone	100.000	101.273	-1.3	100	0.00
12 TMP	1,1-Dichloroethene	20.000	18.770	6.2	100	-0.01
13 TMP	Hexane	20.000	19.242	3.8	100	0.00
14 TMP	Methylene chloride	20.000	20.124	-0.6	100	0.00
15 TMP	t-Butyl alcohol (TBA)	100.000	91.844	8.2	100	0.00
16 TMP	Methyl t-butyl ether (MTBE)	20.000	19.320	3.4	100	0.00
17 TMP	trans-1,2-Dichloroethene	20.000	18.363	8.2	100	0.00
18 TMP	Diisopropyl ether (DIPE)	20.000	18.760	6.2	100	0.00
19 TMP	1,1-Dichloroethane	20.000	19.223	3.9	100	0.00
20 TMP	Ethyl t-butyl ether (ETBE)	20.000	18.504	7.5	100	0.00
21 TMP	2,2-Dichloropropane	20.000	17.884	10.6	100	-0.01
22 TMP	cis-1,2-Dichloroethene	20.000	18.886	5.6	100	0.00
23 TMP	Chloroform	20.000	18.863	5.7	100	0.00
24 TMP	2-Butanone (MEK)	100.000	101.085	-1.1	100	0.00
25 TMP	t-Amyl methyl ether (TAME)	20.000	19.403	3.0	100	0.00
26 TMP	1,2-Dichloroethane (EDC)	20.000	19.800	1.0	100	-0.01
27 TMP	1,1,1-Trichloroethane	20.000	19.049	4.8	100	0.00
28 TMP	1,1-Dichloropropene	20.000	19.559	2.2	100	0.00
29 TMP	Carbon tetrachloride	20.000	18.427	7.9	100	0.00
30 S	1,2-Dichloroethane-d4	10.000	9.710	2.9	100	0.00
31 TMP	Benzene	20.000	18.539	7.3	100	0.00
32 TMP	Trichloroethene	20.000	18.164	9.2	100	0.00
33 TMP	1,2-Dichloropropane	20.000	18.917	5.4	100	0.00
34 TMP	Bromodichloromethane	20.000	19.782	1.1	100	0.00
35 S	Toluene-d8	10.000	10.093	-0.9	100	0.00
36 TMP	Dibromomethane	20.000	18.262	8.7	100	0.00
37 TMP	4-Methyl-2-pentanone	100.000	101.638	-1.6	100	0.00
38 TMP	cis-1,3-Dichloropropene	20.000	18.705	6.5	100	0.00
39 I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40 TMP	Toluene	20.000	19.521	2.4	100	0.00
41 TMP	trans-1,3-Dichloropropene	20.000	18.667	6.7	100	0.00
42 TMP	1,1,2-Trichloroethane	20.000	19.683	1.6	100	0.00
43 TMP	2-Hexanone	100.000	99.657	0.3	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110515.D
 Acq On : 05 Nov 2022 03:03 pm
 Operator : VM
 Sample : 20 ppb 8260 ICAL 67-1770
 Misc : soil/water
 ALS Vial : 11 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:27 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP 1,3-Dichloropropane	20.000	18.955	5.2	100	-0.01
45	TMP Tetrachloroethene	20.000	19.433	2.8	100	0.00
46	TMP Dibromochloromethane	20.000	19.026	4.9	100	-0.01
47	TMP 1,2-Dibromoethane (EDB)	20.000	18.849	5.8	100	0.00
48	TMP Chlorobenzene	20.000	18.882	5.6	100	0.00
49	TMP Ethylbenzene	20.000	18.701	6.5	100	0.00
50	TMP 1,1,1,2-Tetrachloroethane	20.000	19.080	4.6	100	0.00
51	TMP m,p-Xylene	40.000	37.436	6.4	100	0.00
52	TMP o-Xylene	20.000	18.644	6.8	100	0.00
53	TMP Styrene	20.000	19.506	2.5	100	0.00
54	TMP Isopropylbenzene	20.000	19.488	2.6	100	0.00
55	TMP Bromoform	20.000	18.550	7.2	100	0.00
56	I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S 4-Bromofluorobenzene	10.000	9.551	4.5	100	0.00
58	TMP n-Propylbenzene	20.000	19.546	2.3	100	0.00
59	TMP Bromobenzene	20.000	18.374	8.1	100	0.00
60	TMP 1,3,5-Trimethylbenzene	20.000	19.459	2.7	100	0.00
61	TMP 1,1,2,2-Tetrachloroethane	20.000	20.197	-1.0	100	0.00
62	TMP 1,2,3-Trichloropropane	20.000	18.774	6.1	100	0.00
63	TMP 2-Chlorotoluene	20.000	19.099	4.5	100	0.00
64	TMP 4-Chlorotoluene	20.000	19.208	4.0	100	0.00
65	TMP tert-Butylbenzene	20.000	18.860	5.7	100	0.00
66	TMP 1,2,4-Trimethylbenzene	20.000	19.778	1.1	100	0.00
67	TMP sec-Butylbenzene	20.000	19.304	3.5	100	0.00
68	TMP p-Isopropyltoluene	20.000	19.570	2.1	100	0.00
69	TMP 1,3-Dichlorobenzene	20.000	18.547	7.3	100	0.00
70	TMP 1,4-Dichlorobenzene	20.000	18.509	7.5	100	0.00
71	TMP 1,2-Dichlorobenzene	20.000	18.935	5.3	100	0.00
72	TMP 1,2-Dibromo-3-chloropropane	20.000	18.189	9.1	100	0.00
73	TMP 1,2,4-Trichlorobenzene	20.000	18.552	7.2	100	0.00
74	TMP Hexachlorobutadiene	20.000	18.069	9.7	100	0.00
75	TMP Naphthalene	20.000	18.714	6.4	100	0.00
76	TMP 1,2,3-Trichlorobenzene	20.000	18.968	5.2	100	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110515.D
 Acq On : 05 Nov 2022 03:03 pm
 Operator : VM
 Sample : 20 ppb 8260 ICAL 67-1770
 Misc : soil/water
 ALS Vial : 11 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:27 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2 TMP	Ethanol	0.000	0.000#	0.0	0#	0.00
3 S	Dibromofluoromethane	0.321	0.321	0.0	100	0.00
4 TMP	Dichlorodifluoromethane	0.800	0.737	7.9	100	-0.01
5 TMP	Chloromethane	0.488	0.471	3.5	100	-0.01
6 TMP	Vinyl chloride	0.510	0.478	6.3	100	0.00
7 TMP	Bromomethane	0.432	0.437	-1.2	100	0.00
8 TMP	Chloroethane	0.229	0.226	1.3	100	-0.01
9 TMP	Trichlorofluoromethane	1.123	1.112	1.0	100	0.00
10 TMP	2-Propanol	0.000	0.000	0.0	0#	0.00
11 TMP	Acetone	0.029	0.027	6.9	100	0.00
12 TMP	1,1-Dichloroethene	0.285	0.267	6.3	100	-0.01
13 TMP	Hexane	0.323	0.311	3.7	100	0.00
14 TMP	Methylene chloride	0.289	0.285	1.4	100	0.00
15 TMP	t-Butyl alcohol (TBA)	0.024	0.022#	8.3	100	0.00
16 TMP	Methyl t-butyl ether (MTBE)	0.666	0.643	3.5	100	0.00
17 TMP	trans-1,2-Dichloroethene	0.318	0.292	8.2	100	0.00
18 TMP	Diisopropyl ether (DIPE)	0.698	0.654	6.3	100	0.00
19 TMP	1,1-Dichloroethane	0.463	0.445	3.9	100	0.00
20 TMP	Ethyl t-butyl ether (ETBE)	0.258	0.238	7.8	100	0.00
21 TMP	2,2-Dichloropropane	0.258	0.217	15.9	100	-0.01
22 TMP	cis-1,2-Dichloroethene	0.333	0.315	5.4	100	0.00
23 TMP	Chloroform	0.539	0.508	5.8	100	0.00
24 TMP	2-Butanone (MEK)	0.132	0.127	3.8	100	0.00
25 TMP	t-Amyl methyl ether (TAME)	0.540	0.524	3.0	100	0.00
26 TMP	1,2-Dichloroethane (EDC)	0.465	0.401	13.8	100	-0.01
27 TMP	1,1,1-Trichloroethane	0.482	0.459	4.8	100	0.00
28 TMP	1,1-Dichloropropene	0.370	0.354	4.3	100	0.00
29 TMP	Carbon tetrachloride	0.485	0.447	7.8	100	0.00
30 S	1,2-Dichloroethane-d4	0.062	0.060	3.2	100	0.00
31 TMP	Benzene	1.118	1.037	7.2	100	0.00
32 TMP	Trichloroethene	0.367	0.333	9.3	100	0.00
33 TMP	1,2-Dichloropropane	0.241	0.228	5.4	100	0.00
34 TMP	Bromodichloromethane	0.387	0.382	1.3	100	0.00
35 S	Toluene-d8	0.954	0.963	-0.9	100	0.00
36 TMP	Dibromomethane	0.219	0.200	8.7	100	0.00
37 TMP	4-Methyl-2-pentanone	0.042	0.043	-2.4	100	0.00
38 TMP	cis-1,3-Dichloropropene	0.360	0.337	6.4	100	0.00
39 I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40 TMP	Toluene	0.907	0.782	13.8	100	0.00
41 TMP	trans-1,3-Dichloropropene	0.366	0.333	9.0	100	0.00
42 TMP	1,1,2-Trichloroethane	0.285	0.254	10.9	100	0.00
43 TMP	2-Hexanone	0.190	0.189	0.5	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110515.D
 Acq On : 05 Nov 2022 03:03 pm
 Operator : VM
 Sample : 20 ppb 8260 ICAL 67-1770
 Misc : soil/water
 ALS Vial : 11 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:27 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.457	0.433	5.3	100	-0.01
45 TMP Tetrachloroethene	0.460	0.385	16.3	100	0.00
46 TMP Dibromochloromethane	0.451	0.411	8.9	100	-0.01
47 TMP 1,2-Dibromoethane (EDB)	0.360	0.339	5.8	100	0.00
48 TMP Chlorobenzene	0.993	0.937	5.6	100	0.00
49 TMP Ethylbenzene	1.557	1.456	6.5	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.387	0.369	4.7	100	0.00
51 TMP m,p-Xylene	0.612	0.573	6.4	100	0.00
52 TMP o-Xylene	0.591	0.551	6.8	100	0.00
53 TMP Styrene	0.887	0.865	2.5	100	0.00
54 TMP Isopropylbenzene	1.435	1.399	2.5	100	0.00
55 TMP Bromoform	0.299	0.277	7.4	100	0.00
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	0.689	0.658	4.5	100	0.00
58 TMP n-Propylbenzene	2.700	2.638	2.3	100	0.00
59 TMP Bromobenzene	0.837	0.769	8.1	100	0.00
60 TMP 1,3,5-Trimethylbenzene	1.968	1.914	2.7	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.626	0.586	6.4	100	0.00
62 TMP 1,2,3-Trichloropropane	0.486	0.456#	6.2	100	0.00
63 TMP 2-Chlorotoluene	1.617	1.544	4.5	100	0.00
64 TMP 4-Chlorotoluene	1.912	1.836	4.0	100	0.00
65 TMP tert-Butylbenzene	1.952	1.841	5.7	100	0.00
66 TMP 1,2,4-Trimethylbenzene	1.996	1.974	1.1	100	0.00
67 TMP sec-Butylbenzene	2.624	2.532	3.5	100	0.00
68 TMP p-Isopropyltoluene	2.387	2.336	2.1	100	0.00
69 TMP 1,3-Dichlorobenzene	1.530	1.418	7.3	100	0.00
70 TMP 1,4-Dichlorobenzene	1.564	1.447	7.5	100	0.00
71 TMP 1,2-Dichlorobenzene	1.455	1.377	5.4	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	0.108	0.098	9.3	100	0.00
73 TMP 1,2,4-Trichlorobenzene	0.971	0.900	7.3	100	0.00
74 TMP Hexachlorobutadiene	0.600	0.542	9.7	100	0.00
75 TMP Naphthalene	1.833	1.767	3.6	100	0.00
76 TMP 1,2,3-Trichlorobenzene	0.846	0.802	5.2	100	0.00

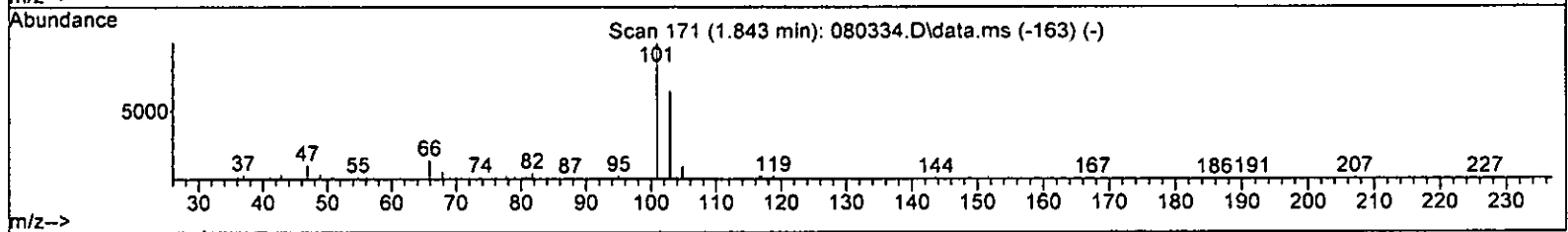
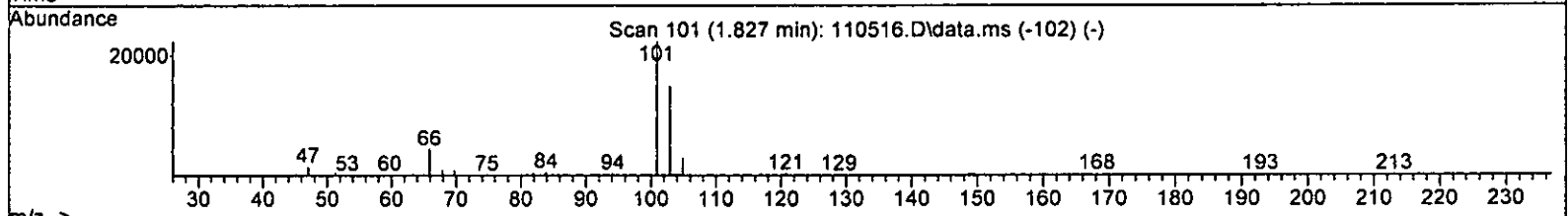
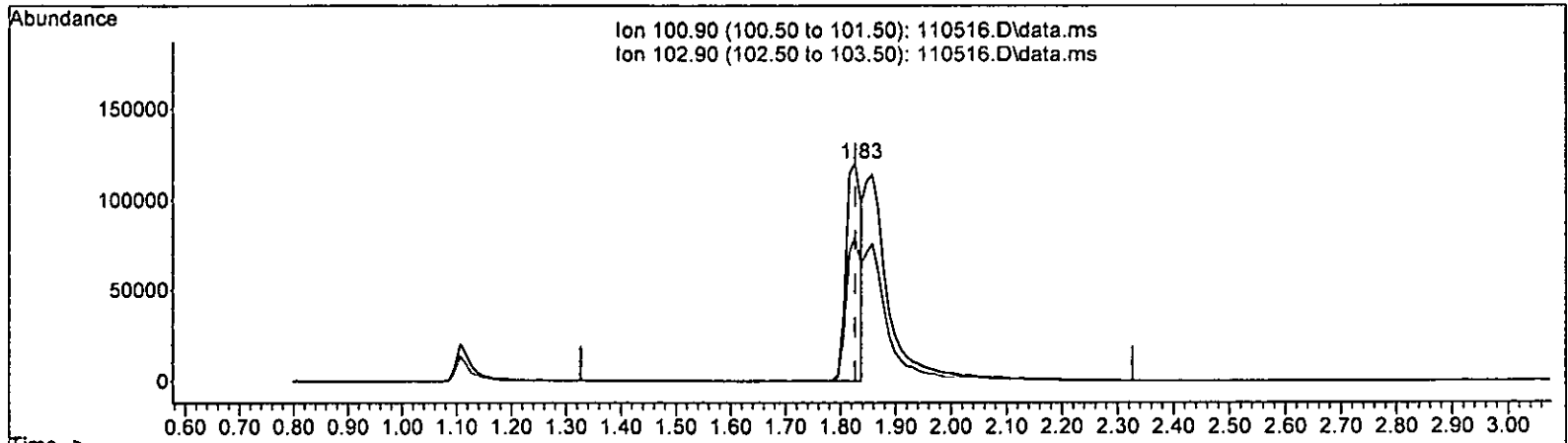
(#) = Out of Range

SPCC's out = 3 CCC's out = 0

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110516.D
 Acq On : 05 Nov 2022 03:26 pm
 Operator : VM
 Sample : 50 ppb 8260 ICAL 67-177Q
 Misc : soil/water
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:29 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110516.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.827min (-0.000) 19.654 ppb

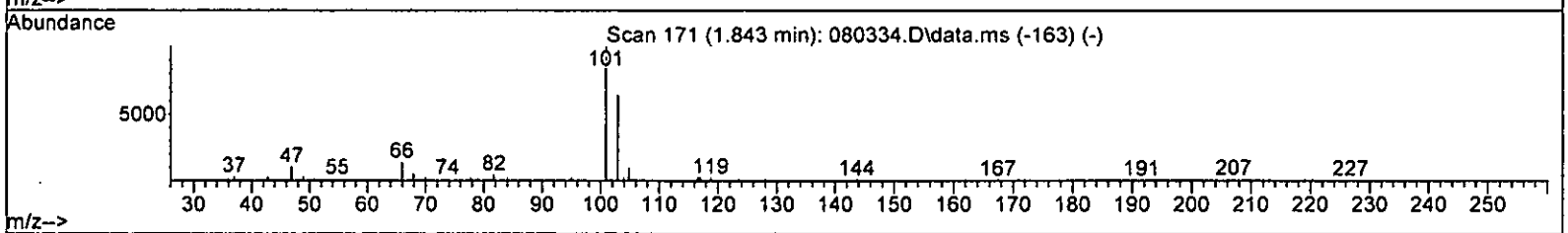
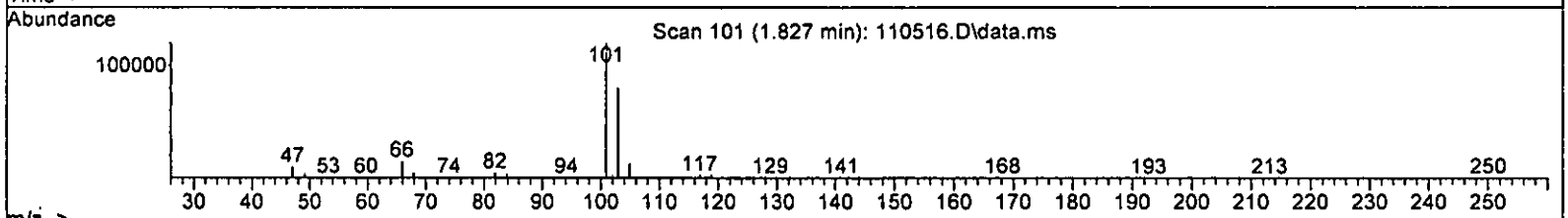
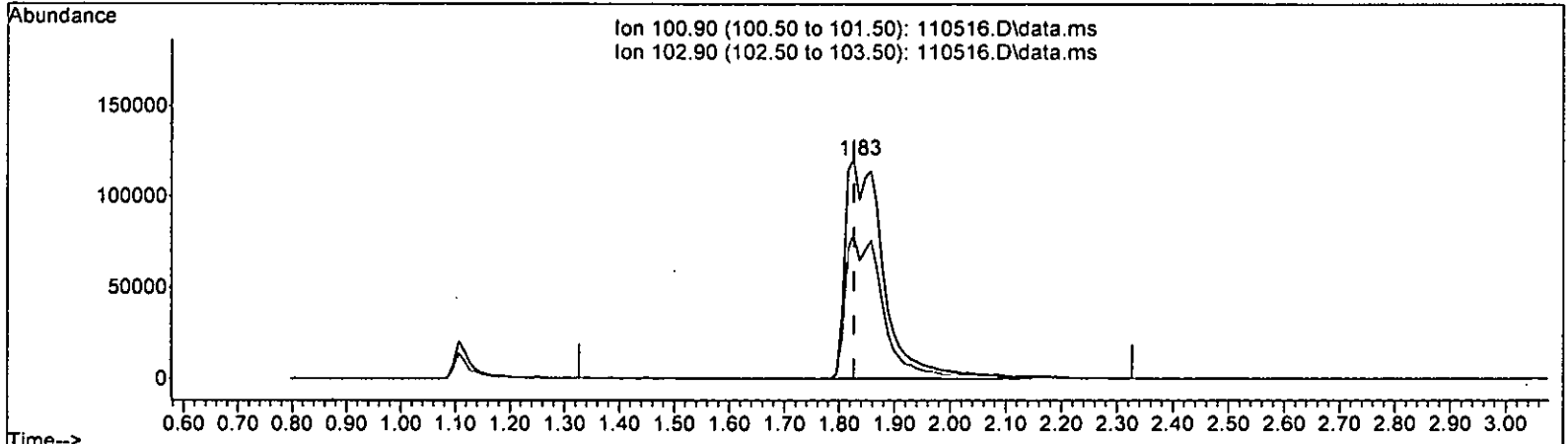
response 230351

Ion	Exp%	Act%
100.90	100.00	100.00
102.90	65.30	66.20
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110516.D
 Acq On : 05 Nov 2022 03:26 pm
 Operator : VM
 Sample : 50 ppb 8260 ICAL 67-177Q
 Misc : soil/water
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:29 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110516.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.827min (-0.000) 51.517 ppb m

response 603804

Ion	Exp%	Act%
100.90	100.00	100.00
102.90	65.30	66.20
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110516.D
 Acq On : 05 Nov 2022 03:26 pm
 Operator : VM
 Sample : 50 ppb 8260 ICAL 67-177Q
 Misc : soil/water
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:29 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	4.75	96	104359	10.000	ppb	0.00	
39) Chlorobenzene-d5	7.40	117	89151	10.000	ppb	0.00	
56) 1,4-Dichlorobenzene-d4	9.62	152	54409	10.000	ppb	0.00	
System Monitoring Compounds							
3) Dibromofluoromethane	4.17	113	33926	10.137	ppb	0.00	
Spiked Amount	10.000		Range 50 - 150	Recovery	=	101.40%	
30) 1,2-Dichloroethane-d4	4.45	102	6097	9.401	ppb	0.00	
Spiked Amount	10.000		Range 84 - 120	Recovery	=	94.00%	
35) Toluene-d8	6.10	98	99660	10.013	ppb	0.00	
Spiked Amount	10.000		Range 73 - 128	Recovery	=	100.10%	
57) 4-Bromofluorobenzene	8.51	95	35686	9.519	ppb	0.00	
Spiked Amount	10.000		Range 57 - 146	Recovery	=	95.20%	
Target Compounds							
							Qvalue
2) Ethanol	2.32	45	1031	No Calib			
4) Dichlorodifluoromethane	1.11	85	425263	50.935	ppb	100	
5) Chloromethane	1.25	50	259514	50.941	ppb	94	
6] Vinyl chloride	1.33	62	258562	48.608	ppb	93	
7) Bromomethane	1.58	94	218505	48.464	ppb	98	
8] Chloroethane	1.64	64	121939	51.097	ppb	95	
9) Trichlorofluoromethane	1.83	101	603804m	51.517	ppb		
10) 2-Propanol	2.32	45	1031	No Calib			
11) Acetone	2.32	58	71817	256.870	ppb	94	
12] 1,1-Dichloroethene	2.26	96	142681	47.989	ppb	81	
13) Hexane	3.16	57	167601	49.679	ppb	99	
14) Methylene chloride	2.68	84	143663	50.173	ppb	97	
15) t-Butyl alcohol (TBA)	2.82	59	62329	248.840	ppb	85	
16] Methyl t-butyl ether (...)	2.92	73	351150	50.539	ppb	96	
17] trans-1,2-Dichloroethene	2.91	96	158198	47.600	ppb	83	
18) Diisopropyl ether (DIPE)	3.35	45	386497	53.077	ppb	98	
19] 1,1-Dichloroethane	3.27	63	240681	49.769	ppb	97	
20) Ethyl t-butyl ether (E...)	3.65	87	134083	49.874	ppb	92	
21) 2,2-Dichloropropane	3.76	77	141859	53.787	ppb	99	
22] cis-1,2-Dichloroethene	3.77	96	168576	48.489	ppb	97	
23) Chloroform	4.04	83	274480	48.831	ppb	98	
24) 2-Butanone (MEK)	3.79	43	338019	256.148	ppb	98	
25) t-Amyl methyl ether (T...)	4.61	73	296144	52.509	ppb	95	
26] 1,2-Dichloroethane (EDC)	4.52	62	212803	50.632	ppb	92	
27] 1,1,1-Trichloroethane	4.19	97	259725	51.653	ppb	97	
28) 1,1-Dichloropropene	4.33	75	193901	50.975	ppb	96	
29) Carbon tetrachloride	4.33	117	251127	49.603	ppb	100	
31] Benzene	4.50	78	550546	47.173	ppb	100	
32] Trichloroethene	5.05	95	177703	46.458	ppb	# 76	
33) 1,2-Dichloropropane	5.24	63	124438	49.488	ppb	97	
34) Bromodichloromethane	5.48	83	208051	51.566	ppb	94	
36) Dibromomethane	5.35	93	108653	47.441	ppb	# 80	

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110516.D
 Acq On : 05 Nov 2022 03:26 pm
 Operator : VM
 Sample : 50 ppb 8260 ICAL 67-177Q
 Misc : soil/water
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:29 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

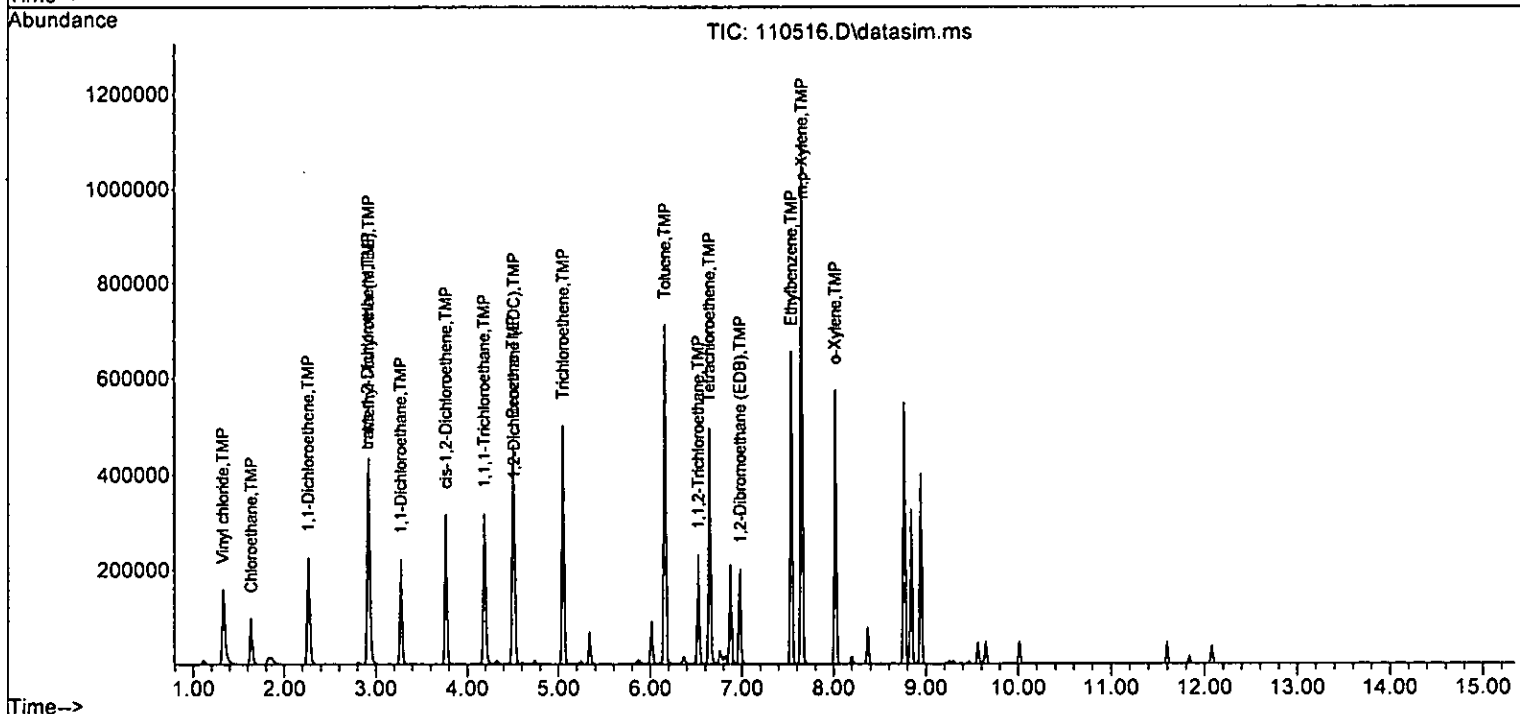
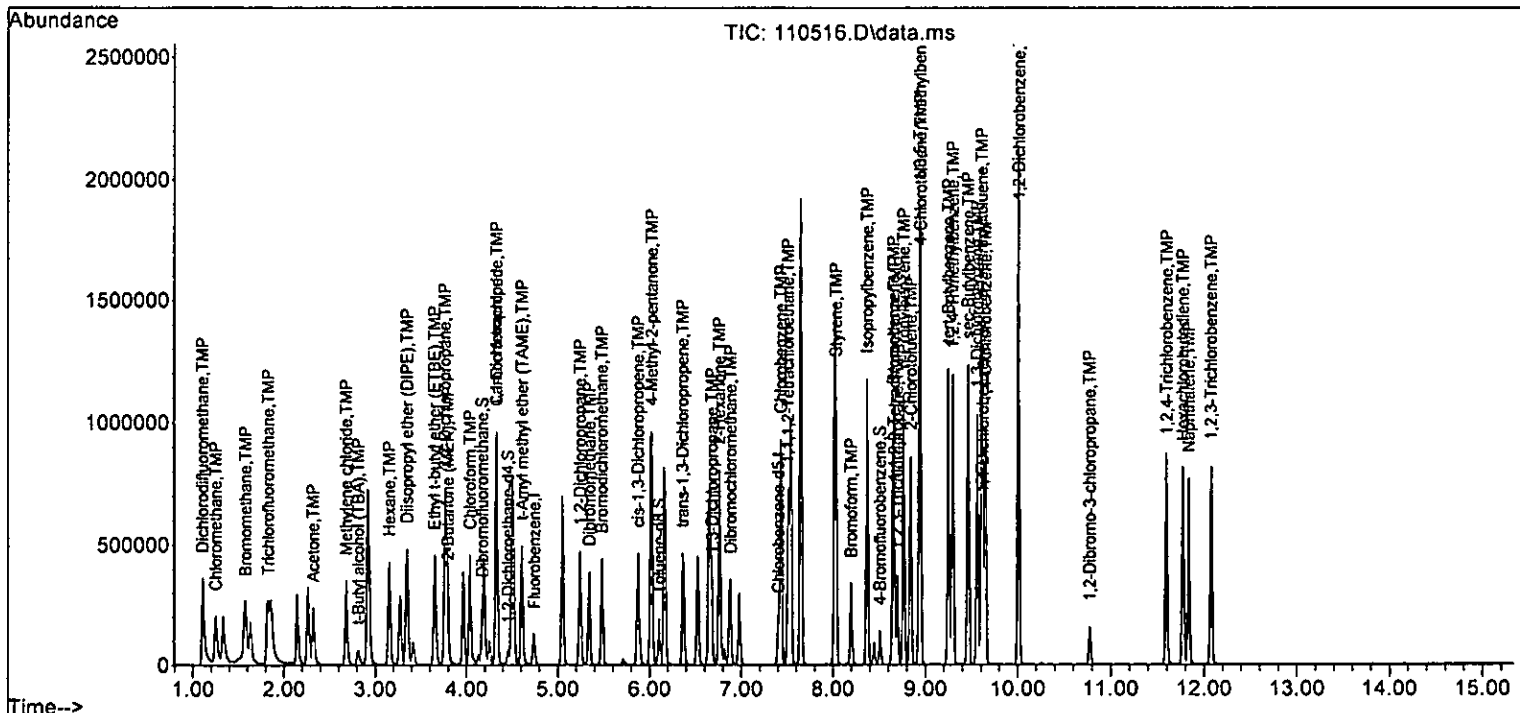
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	6.02	85	115859	261.687	ppb	96
38) cis-1,3-Dichloropropene	5.88	75	195682	52.073	ppb	94
40) Toluene	6.16	92	359717	50.375	ppb	95
41) trans-1,3-Dichloropropene	6.36	75	169634	51.247	ppb	91
42) 1,1,2-Trichloroethane	6.53	83	114906	50.226	ppb	90
43) 2-Hexanone	6.76	43	429891	254.388	ppb	96
44) 1,3-Dichloropropane	6.68	76	194481	47.712	ppb	99
45) Tetrachloroethene	6.65	164	178122	50.027	ppb	95
46) Dibromochloromethane	6.88	129	200310	50.775	ppb	99
47) 1,2-Dibromoethane (EDB)	6.98	107	156105	48.703	ppb	99
48) Chlorobenzene	7.43	112	431484	48.741	ppb	96
49) Ethylbenzene	7.54	91	664924	47.905	ppb	94
50) 1,1,1,2-Tetrachloroethane	7.51	131	179736	52.155	ppb	98
51) m,p-Xylene	7.65	106	525902	96.419	ppb	87
52) o-Xylene	8.02	106	258443	49.074	ppb	87
53) Styrene	8.03	104	406863	51.436	ppb	98
54) Isopropylbenzene	8.37	105	659285	51.519	ppb	94
55) Bromoform	8.20	173	136842	51.334	ppb	98
58) n-Propylbenzene	8.77	91	719974	49.016	ppb	90
59) Bromobenzene	8.65	156	216563	47.528	ppb #	81
60) 1,3,5-Trimethylbenzene	8.94	105	544631	50.873	ppb	93
61) 1,1,2,2-Tetrachloroethane	8.66	83	155632	49.738	ppb	97
62) 1,2,3-Trichloropropane	8.70	75	118403	44.757	ppb	93
63) 2-Chlorotoluene	8.84	91	417432	47.454	ppb	87
64) 4-Chlorotoluene	8.95	91	497012	47.777	ppb	87
65) tert-Butylbenzene	9.25	119	531939	50.088	ppb	93
66) 1,2,4-Trimethylbenzene	9.30	105	559878	51.545	ppb	93
67) sec-Butylbenzene	9.46	105	722254	50.593	ppb	94
68) p-Isopropyltoluene	9.61	119	676308	52.076	ppb	96
69) 1,3-Dichlorobenzene	9.56	146	396377	47.631	ppb	96
70) 1,4-Dichlorobenzene	9.65	146	405175	47.614	ppb	96
71) 1,2-Dichlorobenzene	10.01	146	386586	48.847	ppb	97
72) 1,2-Dibromo-3-chloropr...	10.77	75	28369	48.320	ppb	94
73) 1,2,4-Trichlorobenzene	11.60	180	267870	50.728	ppb	97
74) Hexachlorobutadiene	11.77	225	153221	46.956	ppb	96
75) Naphthalene	11.83	128	548761	51.009	ppb	99
76) 1,2,3-Trichlorobenzene	12.08	180	242270	52.636	ppb	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

1

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110516.D
 Acq On : 05 Nov 2022 03:26 pm
 Operator : VM
 Sample : 50 ppb 8260 ICAL 67-177Q
 Misc : soil/water
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:29 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110516.D
 Acq On : 05 Nov 2022 03:26 pm
 Operator : VM
 Sample : 50 ppb 8260 ICAL 67-177Q
 Misc : soil/water
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Quant Time: Nov 07 15:17:29 2022
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 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2 TMP	Ethanol	-1.000	0.000	0.0	0	-0.01
3 S	Dibromofluoromethane	10.000	10.137	-1.4	100	0.00
4 TMP	Dichlorodifluoromethane	50.000	50.935	-1.9	100	-0.01
5 TMP	Chloromethane	50.000	50.941	-1.9	100	-0.01
6 TMP	Vinyl chloride	50.000	48.608	2.8	100	-0.01
7 TMP	Bromomethane	50.000	48.464	3.1	100	0.00
8 TMP	Chloroethane	50.000	51.097	-2.2	100	-0.01
9 TMP	Trichlorofluoromethane	50.000	51.517	-3.0	100	0.00
10 TMP	2-Propanol	-1.000	0.000	0.0	0	-0.01
11 TMP	Acetone	250.000	256.870	-2.7	100	-0.01
12 TMP	1,1-Dichloroethene	50.000	47.989	4.0	100	-0.01
13 TMP	Hexane	50.000	49.679	0.6	100	0.00
14 TMP	Methylene chloride	50.000	50.173	-0.3	100	0.00
15 TMP	t-Butyl alcohol (TBA)	250.000	248.840	0.5	100	0.00
16 TMP	Methyl t-butyl ether (MTBE)	50.000	50.539	-1.1	100	-0.01
17 TMP	trans-1,2-Dichloroethene	50.000	47.600	4.8	100	-0.01
18 TMP	Diisopropyl ether (DIPE)	50.000	53.077	-6.2	100	0.00
19 TMP	1,1-Dichloroethane	50.000	49.769	0.5	100	0.00
20 TMP	Ethyl t-butyl ether (ETBE)	50.000	49.874	0.3	100	-0.01
21 TMP	2,2-Dichloropropane	50.000	53.787	-7.6	100	-0.01
22 TMP	cis-1,2-Dichloroethene	50.000	48.489	3.0	100	0.00
23 TMP	Chloroform	50.000	48.831	2.3	100	0.00
24 TMP	2-Butanone (MEK)	250.000	256.148	-2.5	100	0.00
25 TMP	t-Amyl methyl ether (TAME)	50.000	52.509	-5.0	100	0.00
26 TMP	1,2-Dichloroethane (EDC)	50.000	50.632	-1.3	100	-0.01
27 TMP	1,1,1-Trichloroethane	50.000	51.653	-3.3	100	0.00
28 TMP	1,1-Dichloropropene	50.000	50.975	-2.0	100	0.00
29 TMP	Carbon tetrachloride	50.000	49.603	0.8	100	0.00
30 S	1,2-Dichloroethane-d4	10.000	9.401	6.0	100	0.00
31 TMP	Benzene	50.000	47.173	5.7	100	0.00
32 TMP	Trichloroethene	50.000	46.458	7.1	100	0.00
33 TMP	1,2-Dichloropropane	50.000	49.488	1.0	100	0.00
34 TMP	Bromodichloromethane	50.000	51.566	-3.1	100	0.00
35 S	Toluene-d8	10.000	10.013	-0.1	100	0.00
36 TMP	Dibromomethane	50.000	47.441	5.1	100	0.00
37 TMP	4-Methyl-2-pentanone	250.000	261.687	-4.7	100	0.00
38 TMP	cis-1,3-Dichloropropene	50.000	52.073	-4.1	100	0.00
39 I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40 TMP	Toluene	50.000	50.375	-0.8	100	0.00
41 TMP	trans-1,3-Dichloropropene	50.000	51.247	-2.5	100	0.00
42 TMP	1,1,2-Trichloroethane	50.000	50.226	-0.5	100	0.00
43 TMP	2-Hexanone	250.000	254.388	-1.8	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110516.D
 Acq On : 05 Nov 2022 03:26 pm
 Operator : VM
 Sample : 50 ppb 8260 ICAL 67-177Q
 Misc : soil/water
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:29 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	50.000	47.712	4.6	100	0.00
45 TMP Tetrachloroethene	50.000	50.027	-0.1	100	0.00
46 TMP Dibromochloromethane	50.000	50.775	-1.5	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	50.000	48.703	2.6	100	0.00
48 TMP Chlorobenzene	50.000	48.741	2.5	100	0.00
49 TMP Ethylbenzene	50.000	47.905	4.2	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	50.000	52.155	-4.3	100	0.00
51 TMP m,p-Xylene	100.000	96.419	3.6	100	0.00
52 TMP o-Xylene	50.000	49.074	1.9	100	0.00
53 TMP Styrene	50.000	51.436	-2.9	100	0.00
54 TMP Isopropylbenzene	50.000	51.519	-3.0	100	0.00
55 TMP Bromoform	50.000	51.334	-2.7	100	0.00
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	10.000	9.519	4.8	100	0.00
58 TMP n-Propylbenzene	50.000	49.016	2.0	100	0.00
59 TMP Bromobenzene	50.000	47.528	4.9	100	0.00
60 TMP 1,3,5-Trimethylbenzene	50.000	50.873	-1.7	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	50.000	49.738	0.5	100	0.00
62 TMP 1,2,3-Trichloropropane	50.000	44.757	10.5	100	0.00
63 TMP 2-Chlorotoluene	50.000	47.454	5.1	100	0.00
64 TMP 4-Chlorotoluene	50.000	47.777	4.4	100	0.00
65 TMP tert-Butylbenzene	50.000	50.088	-0.2	100	0.00
66 TMP 1,2,4-Trimethylbenzene	50.000	51.545	-3.1	100	0.00
67 TMP sec-Butylbenzene	50.000	50.593	-1.2	100	0.00
68 TMP p-Isopropyltoluene	50.000	52.076	-4.2	100	0.00
69 TMP 1,3-Dichlorobenzene	50.000	47.631	4.7	100	0.00
70 TMP 1,4-Dichlorobenzene	50.000	47.614	4.8	100	0.00
71 TMP 1,2-Dichlorobenzene	50.000	48.847	2.3	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	50.000	48.320	3.4	100	0.00
73 TMP 1,2,4-Trichlorobenzene	50.000	50.728	-1.5	100	0.00
74 TMP Hexachlorobutadiene	50.000	46.956	6.1	100	0.00
75 TMP Naphthalene	50.000	51.009	-2.0	100	0.00
76 TMP 1,2,3-Trichlorobenzene	50.000	52.636	-5.3	100	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110516.D
 Acq On : 05 Nov 2022 03:26 pm
 Operator : VM
 Sample : 50 ppb 8260 ICAL 67-177Q
 Misc : soil/water
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:29 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2 TMP	Ethanol	0.000	0.000#	0.0	0#	-0.01
3 S	Dibromofluoromethane	0.321	0.325	-1.2	100	0.00
4 TMP	Dichlorodifluoromethane	0.800	0.815	-1.9	100	-0.01
5 TMP	Chloromethane	0.488	0.497	-1.8	100	-0.01
6 TMP	Vinyl chloride	0.510	0.496	2.7	100	-0.01
7 TMP	Bromomethane	0.432	0.419	3.0	100	0.00
8 TMP	Chloroethane	0.229	0.234	-2.2	100	-0.01
9 TMP	Trichlorofluoromethane	1.123	1.157	-3.0	100	0.00
10 TMP	2-Propanol	0.000	0.000	0.0	0#	-0.01
11 TMP	Acetone	0.029	0.028	3.4	100	-0.01
12 TMP	1,1-Dichloroethene	0.285	0.273	4.2	100	-0.01
13 TMP	Hexane	0.323	0.321	0.6	100	0.00
14 TMP	Methylene chloride	0.289	0.275	4.8	100	0.00
15 TMP	t-Butyl alcohol (TBA)	0.024	0.024#	0.0	100	0.00
16 TMP	Methyl t-butyl ether (MTBE)	0.666	0.673	-1.1	100	-0.01
17 TMP	trans-1,2-Dichloroethene	0.318	0.303	4.7	100	-0.01
18 TMP	Diisopropyl ether (DIPE)	0.698	0.741	-6.2	100	0.00
19 TMP	1,1-Dichloroethane	0.463	0.461	0.4	100	0.00
20 TMP	Ethyl t-butyl ether (ETBE)	0.258	0.257	0.4	100	-0.01
21 TMP	2,2-Dichloropropane	0.258	0.272	-5.4	100	-0.01
22 TMP	cis-1,2-Dichloroethene	0.333	0.323	3.0	100	0.00
23 TMP	Chloroform	0.539	0.526	2.4	100	0.00
24 TMP	2-Butanone (MEK)	0.132	0.130	1.5	100	0.00
25 TMP	t-Amyl methyl ether (TAME)	0.540	0.568	-5.2	100	0.00
26 TMP	1,2-Dichloroethane (EDC)	0.465	0.408	12.3	100	-0.01
27 TMP	1,1,1-Trichloroethane	0.482	0.498	-3.3	100	0.00
28 TMP	1,1-Dichloropropene	0.370	0.372	-0.5	100	0.00
29 TMP	Carbon tetrachloride	0.485	0.481	0.8	100	0.00
30 S	1,2-Dichloroethane-d4	0.062	0.058	6.5	100	0.00
31 TMP	Benzene	1.118	1.055	5.6	100	0.00
32 TMP	Trichloroethene	0.367	0.341	7.1	100	0.00
33 TMP	1,2-Dichloropropane	0.241	0.238	1.2	100	0.00
34 TMP	Bromodichloromethane	0.387	0.399	-3.1	100	0.00
35 S	Toluene-d8	0.954	0.955	-0.1	100	0.00
36 TMP	Dibromomethane	0.219	0.208	5.0	100	0.00
37 TMP	4-Methyl-2-pentanone	0.042	0.044	-4.8	100	0.00
38 TMP	cis-1,3-Dichloropropene	0.360	0.375	-4.2	100	0.00
39 I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40 TMP	Toluene	0.907	0.807	11.0	100	0.00
41 TMP	trans-1,3-Dichloropropene	0.366	0.381	-4.1	100	0.00
42 TMP	1,1,2-Trichloroethane	0.285	0.258	9.5	100	0.00
43 TMP	2-Hexanone	0.190	0.193	-1.6	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110516.D
 Acq On : 05 Nov 2022 03:26 pm
 Operator : VM
 Sample : 50 ppb 8260 ICAL 67-177Q
 Misc : soil/water
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:29 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.457	0.436	4.6	100	0.00
45 TMP Tetrachloroethene	0.460	0.400	13.0	100	0.00
46 TMP Dibromochloromethane	0.451	0.449	0.4	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	0.360	0.350	2.8	100	0.00
48 TMP Chlorobenzene	0.993	0.968	2.5	100	0.00
49 TMP Ethylbenzene	1.557	1.492	4.2	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.387	0.403	-4.1	100	0.00
51 TMP m,p-Xylene	0.612	0.590	3.6	100	0.00
52 TMP o-Xylene	0.591	0.580	1.9	100	0.00
53 TMP Styrene	0.887	0.913	-2.9	100	0.00
54 TMP Isopropylbenzene	1.435	1.479	-3.1	100	0.00
55 TMP Bromoform	0.299	0.307	-2.7	100	0.00
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	0.689	0.656	4.8	100	0.00
58 TMP n-Propylbenzene	2.700	2.647	2.0	100	0.00
59 TMP Bromobenzene	0.837	0.796	4.9	100	0.00
60 TMP 1,3,5-Trimethylbenzene	1.968	2.002	-1.7	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.626	0.572	8.6	100	0.00
62 TMP 1,2,3-Trichloropropane	0.486	0.435#	10.5	100	0.00
63 TMP 2-Chlorotoluene	1.617	1.534	5.1	100	0.00
64 TMP 4-Chlorotoluene	1.912	1.827	4.4	100	0.00
65 TMP tert-Butylbenzene	1.952	1.955	-0.2	100	0.00
66 TMP 1,2,4-Trimethylbenzene	1.996	2.058	-3.1	100	0.00
67 TMP sec-Butylbenzene	2.624	2.655	-1.2	100	0.00
68 TMP p-Isopropyltoluene	2.387	2.486	-4.1	100	0.00
69 TMP 1,3-Dichlorobenzene	1.530	1.457	4.8	100	0.00
70 TMP 1,4-Dichlorobenzene	1.564	1.489	4.8	100	0.00
71 TMP 1,2-Dichlorobenzene	1.455	1.421	2.3	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	0.108	0.104	3.7	100	0.00
73 TMP 1,2,4-Trichlorobenzene	0.971	0.985	-1.4	100	0.00
74 TMP Hexachlorobutadiene	0.600	0.563	6.2	100	0.00
75 TMP Naphthalene	1.833	2.017	-10.0	100	0.00
76 TMP 1,2,3-Trichlorobenzene	0.846	0.891	-5.3	100	0.00

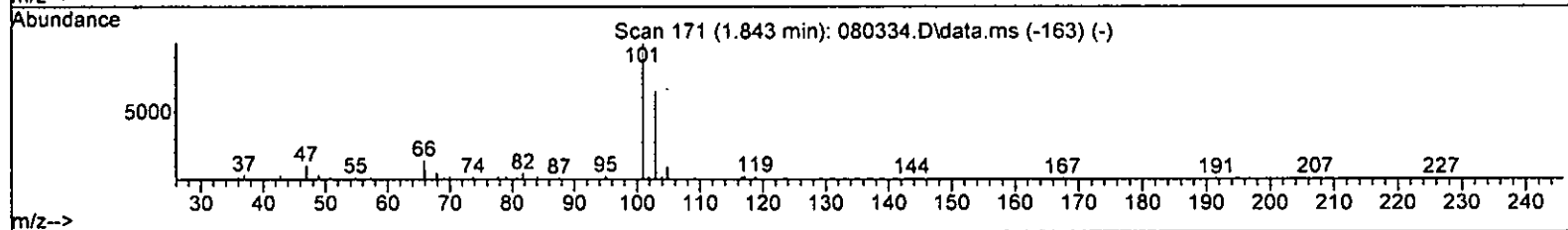
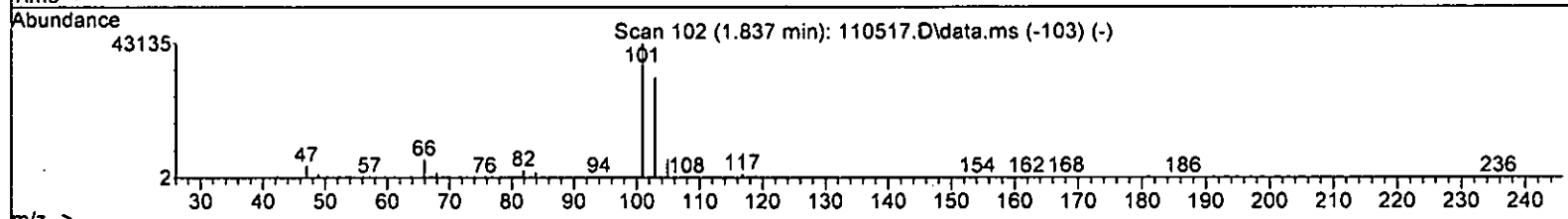
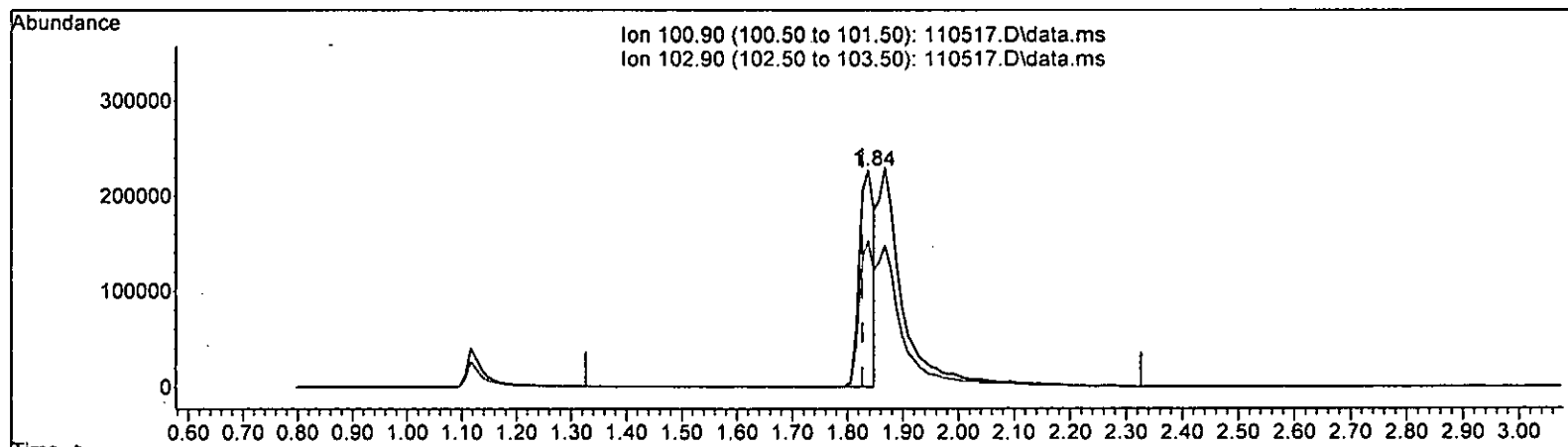
(#) = Out of Range

SPCC's out = 3 CCC's out = 0

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110517.D
 Acq On : 05 Nov 2022 03:49 pm
 Operator : VM
 Sample : 100 ppb 8260 ICAL 67-177S
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:31 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110517.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.837min (+ 0.010) 35.758 ppb

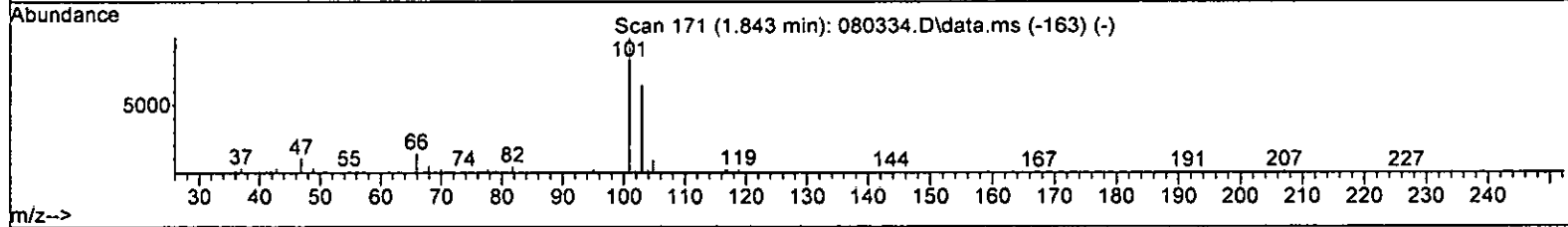
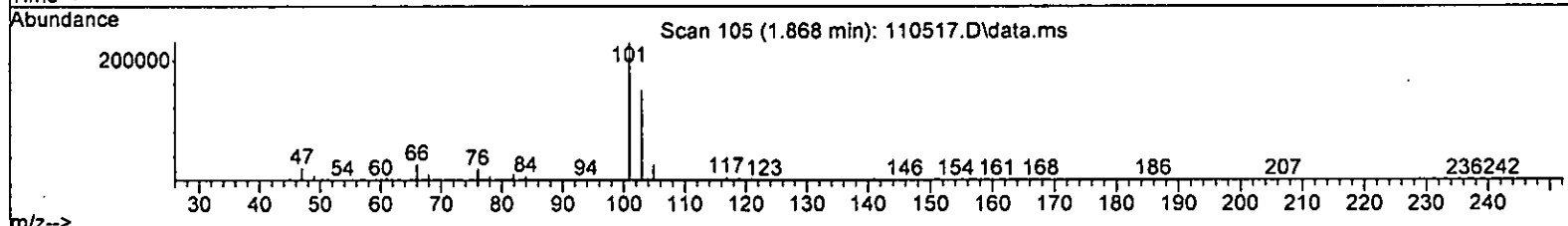
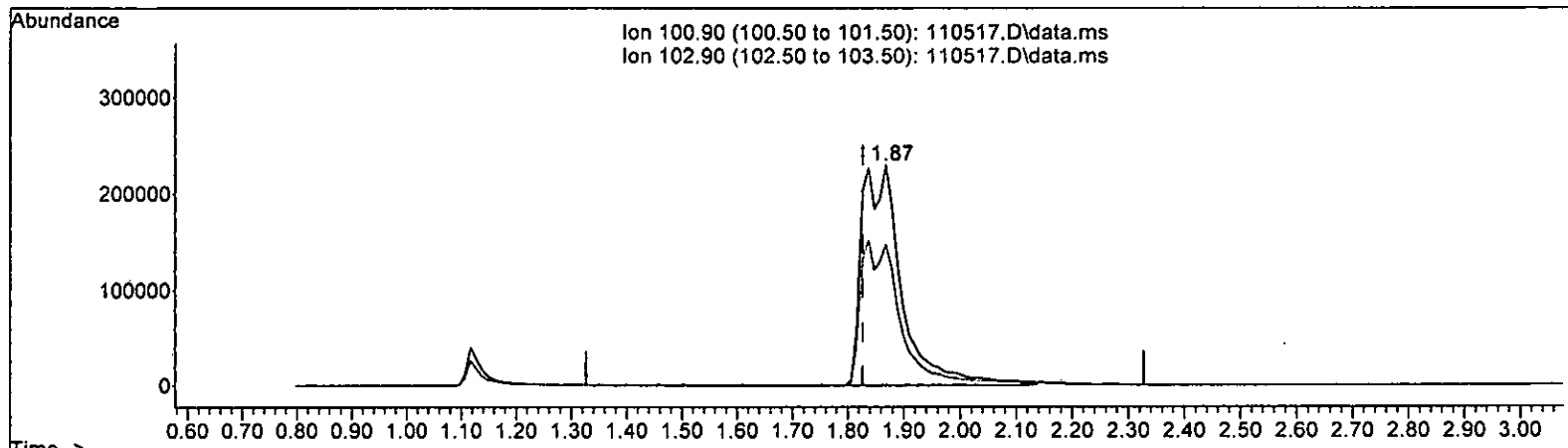
response 422448

Ion	Exp%	Act%
100.90	100.00	100.00
102.90	65.30	67.17
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110517.D
 Acq On : 05 Nov 2022 03:49 pm
 Operator : VM
 Sample : 100 ppb 8260 ICAL 67-177S
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:31 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110517.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.868min (+ 0.041) 100.168 ppb m

response 1183404

Ion	Exp%	Act%
100.90	100.00	100.00
102.90	65.30	64.39
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110517.D
 Acq On : 05 Nov 2022 03:49 pm
 Operator : VM
 Sample : 100 ppb 8260 ICAL 67-177S
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:31 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	4.75	96	105192	10.000	ppb	0.00
39) Chlorobenzene-d5	7.40	117	89610	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	53646	10.000	ppb	# 0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.17	113	33932	10.059	ppb	0.00
Spiked Amount	10.000	Range 50 - 150	Recovery	=	100.60%	
30) 1,2-Dichloroethane-d4	4.45	102	6377	9.755	ppb	0.00
Spiked Amount	10.000	Range 84 - 120	Recovery	=	97.50%	
35) Toluene-d8	6.10	98	103154	10.282	ppb	0.00
Spiked Amount	10.000	Range 73 - 128	Recovery	=	102.80%	
57) 4-Bromofluorobenzene	8.51	95	35439	9.587	ppb	0.00
Spiked Amount	10.000	Range 57 - 146	Recovery	=	95.90%	
Target Compounds						
						Qvalue
2) Ethanol	2.33	45	1809	No Calib		
4) Dichlorodifluoromethane	1.12	85	860744	102.278	ppb	99
5) Chloromethane	1.26	50	514764	100.244	ppb	94
6] Vinyl chloride	1.34	62	502810	93.776	ppb	92
7) Bromomethane	1.59	94	428185	94.218	ppb	99
8] Chloroethane	1.65	64	236636	98.373	ppb	98
9) Trichlorofluoromethane	1.87	101	1183404m	100.168	ppb	
10) 2-Propanol	2.33	45	1809	No Calib	#	
11) Acetone	2.33	58	141862	487.278	ppb	89
12] 1,1-Dichloroethene	2.27	96	278841	93.041	ppb	82
13) Hexane	3.16	57	334108	98.249	ppb	99
14) Methylene chloride	2.69	84	284355	99.445	ppb	98
15) t-Butyl alcohol (TBA)	2.82	59	128300	508.164	ppb	89
16] Methyl t-butyl ether (...)	2.93	73	703749	100.484	ppb	99
17] trans-1,2-Dichloroethene	2.92	96	309906	92.509	ppb	89
18) Diisopropyl ether (DIPE)	3.35	45	699074	95.242	ppb	98
19] 1,1-Dichloroethane	3.28	63	474578	97.358	ppb	93
20) Ethyl t-butyl ether (E...)	3.66	87	274496	101.295	ppb	95
21) 2,2-Dichloropropane	3.77	77	278976	99.759	ppb	98
22] cis-1,2-Dichloroethene	3.77	96	329614	94.059	ppb	93
23) Chloroform	4.04	83	543954	96.005	ppb	98
24) 2-Butanone (MEK)	3.79	43	670030	497.204	ppb	97
25) t-Amyl methyl ether (T...)	4.61	73	611205	107.515	ppb	95
26] 1,2-Dichloroethane (EDC)	4.53	62	413759	98.390	ppb	97
27] 1,1,1-Trichloroethane	4.19	97	527092	103.996	ppb	96
28) 1,1-Dichloropropene	4.33	75	384929	99.233	ppb	98
29) Carbon tetrachloride	4.33	117	524354	102.752	ppb	99
31] Benzene	4.50	78	1068708	90.846	ppb	96
32] Trichloroethene	5.05	95	353871	91.783	ppb	87
33) 1,2-Dichloropropane	5.24	63	247385	97.604	ppb	97
34) Bromodichloromethane	5.48	83	414881	102.016	ppb	93
36) Dibromomethane	5.35	93	212727	92.148	ppb	# 82

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110517.D
 Acq On : 05 Nov 2022 03:49 pm
 Operator : VM
 Sample : 100 ppb 8260 ICAL 67-177S
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS13

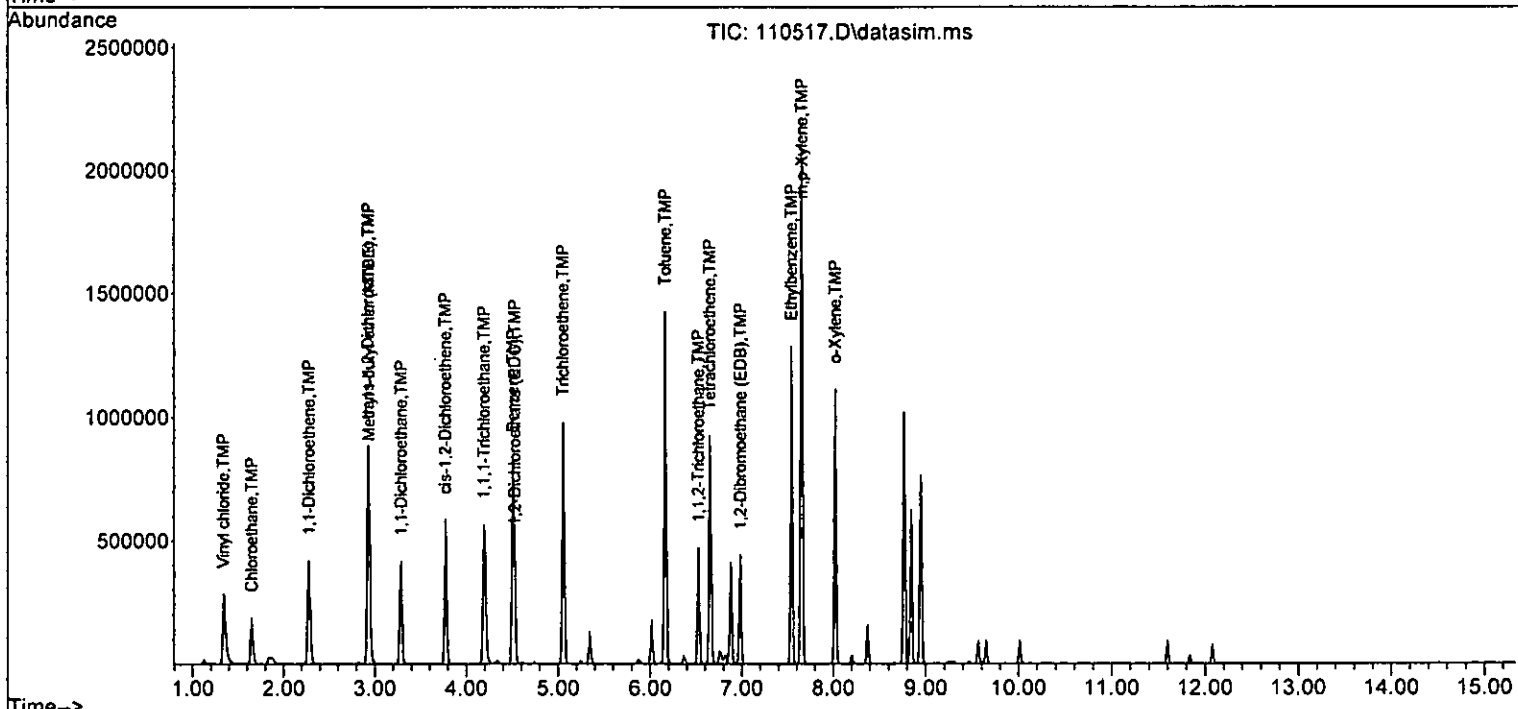
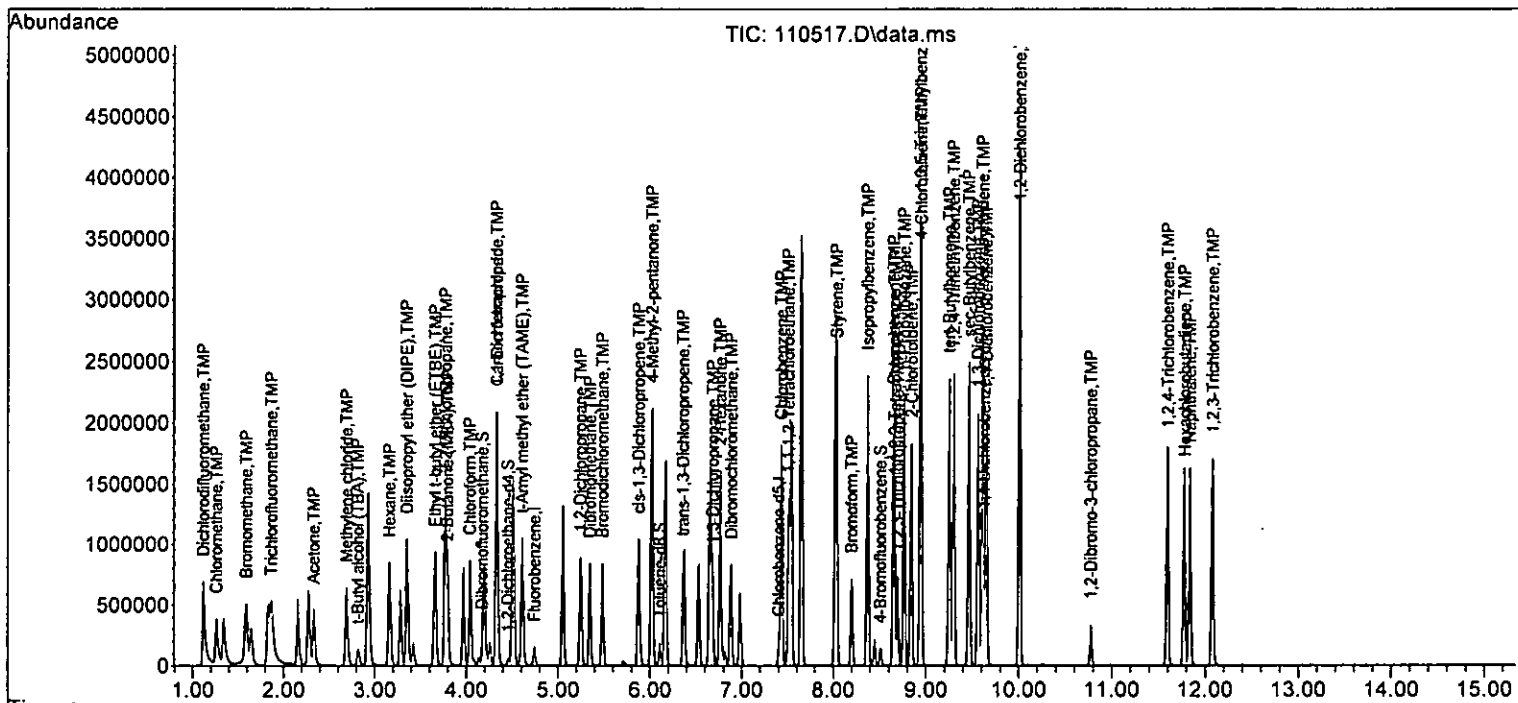
Quant Time: Nov 07 15:17:31 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	6.02	85	233727	523.731	ppb	92
38) cis-1,3-Dichloropropene	5.88	75	414829	109.515	ppb	93
40] Toluene	6.16	92	714832	99.536	ppb	96
41) trans-1,3-Dichloropropene	6.36	75	362461	102.439	ppb	90
42] 1,1,2-Trichloroethane	6.53	83	226873	99.549	ppb	94
43) 2-Hexanone	6.76	43	839889	494.459	ppb	96
44) 1,3-Dichloropropane	6.68	76	383337	93.563	ppb	100
45] Tetrachloroethene	6.65	164	362286	99.678	ppb	97
46) Dibromochloromethane	6.88	129	417420	101.492	ppb	100
47] 1,2-Dibromoethane (EDB)	6.98	107	312463	96.985	ppb	99
48) Chlorobenzene	7.43	112	877400	98.605	ppb	96
49] Ethylbenzene	7.54	91	1307177	93.694	ppb	94
50) 1,1,1,2-Tetrachloroethane	7.51	131	368821	106.474	ppb	97
51] m,p-Xylene	7.65	106	1043566	190.347	ppb	86
52] o-Xylene	8.02	106	515865	97.451	ppb	86
53) Styrene	8.03	104	814604	102.456	ppb	98
54) Isopropylbenzene	8.37	105	1338012	104.021	ppb	93
55) Bromoform	8.20	173	289069	107.884	ppb	98
58) n-Propylbenzene	8.77	91	1405896	97.074	ppb	89
59) Bromobenzene	8.65	156	448216	99.767	ppb #	79
60) 1,3,5-Trimethylbenzene	8.94	105	1079379	102.257	ppb	90
61) 1,1,2,2-Tetrachloroethane	8.66	83	300453	98.329	ppb	98
62) 1,2,3-Trichloropropane	8.70	75	232114	88.989	ppb	93
63) 2-Chlorotoluene	8.84	91	814498	93.910	ppb	86
64) 4-Chlorotoluene	8.95	91	971587	94.725	ppb	85
65) tert-Butylbenzene	9.25	119	1090813	104.174	ppb	91
66) 1,2,4-Trimethylbenzene	9.30	105	1124498	105.000	ppb	92
67) sec-Butylbenzene	9.46	105	1456640	103.486	ppb	92
68) p-Isopropyltoluene	9.61	119	1391289	108.654	ppb	96
69) 1,3-Dichlorobenzene	9.56	146	811824	98.940	ppb	97
70) 1,4-Dichlorobenzene	9.65	146	821584	97.921	ppb	96
71) 1,2-Dichlorobenzene	10.01	146	788041	100.988	ppb	97
72) 1,2-Dibromo-3-chloropr...	10.77	75	59276	102.399	ppb	92
73) 1,2,4-Trichlorobenzene	11.60	180	560478	107.651	ppb	97
74) Hexachlorobutadiene	11.78	225	317726	98.756	ppb	98
75) Naphthalene	11.83	128	1163987	102.651	ppb	99
76) 1,2,3-Trichlorobenzene	12.08	180	506400	111.587	ppb	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110517.D
 Acq On : 05 Nov 2022 03:49 pm
 Operator : VM
 Sample : 100 ppb 8260 ICAL 67-177S
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:31 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110517.D
 Acq On : 05 Nov 2022 03:49 pm
 Operator : VM
 Sample : 100 ppb 8260 ICAL 67-1775
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:31 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2 TMP	Ethanol	-1.000	0.000	0.0	0	0.00
3 S	Dibromofluoromethane	10.000	10.059	-0.6	100	0.00
4 TMP	Dichlorodifluoromethane	100.000	102.278	-2.3	100	0.00
5 TMP	Chloromethane	100.000	100.244	-0.2	100	0.00
6 TMP	Vinyl chloride	100.000	93.776	6.2	100	0.00
7 TMP	Bromomethane	100.000	94.218	5.8	100	0.01
8 TMP	Chloroethane	100.000	98.373	1.6	100	0.00
9 TMP	Trichlorofluoromethane	100.000	100.168	-0.2	100	0.04
10 TMP	2-Propanol	-1.000	0.000	0.0	0	0.00
11 TMP	Acetone	500.000	487.278	2.5	100	0.00
12 TMP	1,1-Dichloroethene	100.000	93.041	7.0	100	0.00
13 TMP	Hexane	100.000	98.249	1.8	100	0.00
14 TMP	Methylene chloride	100.000	99.445	0.6	100	0.00
15 TMP	t-Butyl alcohol (TBA)	500.000	508.164	-1.6	100	0.00
16 TMP	Methyl t-butyl ether (MTBE)	100.000	100.484	-0.5	100	0.00
17 TMP	trans-1,2-Dichloroethene	100.000	92.509	7.5	100	0.00
18 TMP	Diisopropyl ether (DIPE)	100.000	95.242	4.8	100	0.00
19 TMP	1,1-Dichloroethane	100.000	97.358	2.6	100	0.00
20 TMP	Ethyl t-butyl ether (ETBE)	100.000	101.295	-1.3	100	0.00
21 TMP	2,2-Dichloropropane	100.000	99.759	0.2	100	0.00
22 TMP	cis-1,2-Dichloroethene	100.000	94.059	5.9	100	0.00
23 TMP	Chloroform	100.000	96.005	4.0	100	0.00
24 TMP	2-Butanone (MEK)	500.000	497.204	0.6	100	0.00
25 TMP	t-Amyl methyl ether (TAME)	100.000	107.515	-7.5	100	0.00
26 TMP	1,2-Dichloroethane (EDC)	100.000	98.390	1.6	100	0.00
27 TMP	1,1,1-Trichloroethane	100.000	103.996	-4.0	100	0.00
28 TMP	1,1-Dichloropropene	100.000	99.233	0.8	100	0.00
29 TMP	Carbon tetrachloride	100.000	102.752	-2.8	100	0.00
30 S	1,2-Dichloroethane-d4	10.000	9.755	2.4	100	0.00
31 TMP	Benzene	100.000	90.846	9.2	100	0.00
32 TMP	Trichloroethene	100.000	91.783	8.2	100	0.00
33 TMP	1,2-Dichloropropane	100.000	97.604	2.4	100	0.00
34 TMP	Bromodichloromethane	100.000	102.016	-2.0	100	0.00
35 S	Toluene-d8	10.000	10.282	-2.8	100	0.00
36 TMP	Dibromomethane	100.000	92.148	7.9	100	0.00
37 TMP	4-Methyl-2-pentanone	500.000	523.731	-4.7	100	0.00
38 TMP	cis-1,3-Dichloropropene	100.000	109.515	-9.5	100	0.00
39 I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40 TMP	Toluene	100.000	99.536	0.5	100	0.00
41 TMP	trans-1,3-Dichloropropene	100.000	102.439	-2.4	100	0.00
42 TMP	1,1,2-Trichloroethane	100.000	99.549	0.5	100	0.00
43 TMP	2-Hexanone	500.000	494.459	1.1	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110517.D
 Acq On : 05 Nov 2022 03:49 pm
 Operator : VM
 Sample : 100 ppb 8260 ICAL 67-177S
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:31 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	100.000	93.563	6.4	100	0.00
45 TMP Tetrachloroethene	100.000	99.678	0.3	100	0.00
46 TMP Dibromochloromethane	100.000	101.492	-1.5	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	100.000	96.985	3.0	100	0.00
48 TMP Chlorobenzene	100.000	98.605	1.4	100	0.00
49 TMP Ethylbenzene	100.000	93.694	6.3	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	100.000	106.474	-6.5	100	0.00
51 TMP m,p-Xylene	200.000	190.347	4.8	100	0.00
52 TMP o-Xylene	100.000	97.451	2.5	100	0.00
53 TMP Styrene	100.000	102.456	-2.5	100	0.00
54 TMP Isopropylbenzene	100.000	104.021	-4.0	100	0.00
55 TMP Bromoform	100.000	107.884	-7.9	100	0.00
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	10.000	9.587	4.1	100	0.00
58 TMP n-Propylbenzene	100.000	97.074	2.9	100	0.00
59 TMP Bromobenzene	100.000	99.767	0.2	100	0.00
60 TMP 1,3,5-Trimethylbenzene	100.000	102.257	-2.3	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	100.000	98.329	1.7	100	0.00
62 TMP 1,2,3-Trichloropropane	100.000	88.989	11.0	100	0.00
63 TMP 2-Chlorotoluene	100.000	93.910	6.1	100	0.00
64 TMP 4-Chlorotoluene	100.000	94.725	5.3	100	0.00
65 TMP tert-Butylbenzene	100.000	104.174	-4.2	100	0.00
66 TMP 1,2,4-Trimethylbenzene	100.000	105.000	-5.0	100	0.00
67 TMP sec-Butylbenzene	100.000	103.486	-3.5	100	0.00
68 TMP p-Isopropyltoluene	100.000	108.654	-8.7	100	0.00
69 TMP 1,3-Dichlorobenzene	100.000	98.940	1.1	100	0.00
70 TMP 1,4-Dichlorobenzene	100.000	97.921	2.1	100	0.00
71 TMP 1,2-Dichlorobenzene	100.000	100.988	-1.0	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	100.000	102.399	-2.4	100	0.00
73 TMP 1,2,4-Trichlorobenzene	100.000	107.651	-7.7	100	0.00
74 TMP Hexachlorobutadiene	100.000	98.756	1.2	100	0.00
75 TMP Naphthalene	100.000	102.651	-2.7	100	0.00
76 TMP 1,2,3-Trichlorobenzene	100.000	111.587	-11.6	100	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110517.D
 Acq On : 05 Nov 2022 03:49 pm
 Operator : VM
 Sample : 100 ppb 8260 ICAL 67-1775
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:31 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2 TMP	Ethanol	0.000	0.000#	0.0	0#	0.00
3 S	Dibromofluoromethane	0.321	0.323	-0.6	100	0.00
4 TMP	Dichlorodifluoromethane	0.800	0.818	-2.2	100	0.00
5 TMP	Chloromethane	0.488	0.489	-0.2	100	0.00
6 TMP	Vinyl chloride	0.510	0.478	6.3	100	0.00
7 TMP	Bromomethane	0.432	0.407	5.8	100	0.01
8 TMP	Chloroethane	0.229	0.225	1.7	100	0.00
9 TMP	Trichlorofluoromethane	1.123	1.125	-0.2	100	0.04
10 TMP	2-Propanol	0.000	0.000	0.0	0#	0.00
11 TMP	Acetone	0.029	0.027	6.9	100	0.00
12 TMP	1,1-Dichloroethene	0.285	0.265	7.0	100	0.00
13 TMP	Hexane	0.323	0.318	1.5	100	0.00
14 TMP	Methylene chloride	0.289	0.270	6.6	100	0.00
15 TMP	t-Butyl alcohol (TBA)	0.024	0.024#	0.0	100	0.00
16 TMP	Methyl t-butyl ether (MTBE)	0.666	0.669	-0.5	100	0.00
17 TMP	trans-1,2-Dichloroethene	0.318	0.295	7.2	100	0.00
18 TMP	Diisopropyl ether (DIPE)	0.698	0.665	4.7	100	0.00
19 TMP	1,1-Dichloroethane	0.463	0.451	2.6	100	0.00
20 TMP	Ethyl t-butyl ether (ETBE)	0.258	0.261	-1.2	100	0.00
21 TMP	2,2-Dichloropropane	0.258	0.265	-2.7	100	0.00
22 TMP	cis-1,2-Dichloroethene	0.333	0.313	6.0	100	0.00
23 TMP	Chloroform	0.539	0.517	4.1	100	0.00
24 TMP	2-Butanone (MEK)	0.132	0.127	3.8	100	0.00
25 TMP	t-Amyl methyl ether (TAME)	0.540	0.581	-7.6	100	0.00
26 TMP	1,2-Dichloroethane (EDC)	0.465	0.393	15.5	100	0.00
27 TMP	1,1,1-Trichloroethane	0.482	0.501	-3.9	100	0.00
28 TMP	1,1-Dichloropropene	0.370	0.366	1.1	100	0.00
29 TMP	Carbon tetrachloride	0.485	0.498	-2.7	100	0.00
30 S	1,2-Dichloroethane-d4	0.062	0.061	1.6	100	0.00
31 TMP	Benzene	1.118	1.016	9.1	100	0.00
32 TMP	Trichloroethene	0.367	0.336	8.4	100	0.00
33 TMP	1,2-Dichloropropane	0.241	0.235	2.5	100	0.00
34 TMP	Bromodichloromethane	0.387	0.394	-1.8	100	0.00
35 S	Toluene-d8	0.954	0.981	-2.8	100	0.00
36 TMP	Dibromomethane	0.219	0.202	7.8	100	0.00
37 TMP	4-Methyl-2-pentanone	0.042	0.044	-4.8	100	0.00
38 TMP	cis-1,3-Dichloropropene	0.360	0.394	-9.4	100	0.00
39 I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40 TMP	Toluene	0.907	0.798	12.0	100	0.00
41 TMP	trans-1,3-Dichloropropene	0.366	0.404	-10.4	100	0.00
42 TMP	1,1,2-Trichloroethane	0.285	0.253	11.2	100	0.00
43 TMP	2-Hexanone	0.190	0.187	1.6	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110517.D
 Acq On : 05 Nov 2022 03:49 pm
 Operator : VM
 Sample : 100 ppb 8260 ICAL 67-1775
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:31 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.457	0.428	6.3	100	0.00
45 TMP Tetrachloroethene	0.460	0.404	12.2	100	0.00
46 TMP Dibromochloromethane	0.451	0.466	-3.3	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	0.360	0.349	3.1	100	0.00
48 TMP Chlorobenzene	0.993	0.979	1.4	100	0.00
49 TMP Ethylbenzene	1.557	1.459	6.3	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.387	0.412	-6.5	100	0.00
51 TMP m,p-Xylene	0.612	0.582	4.9	100	0.00
52 TMP o-Xylene	0.591	0.576	2.5	100	0.00
53 TMP Styrene	0.887	0.909	-2.5	100	0.00
54 TMP Isopropylbenzene	1.435	1.493	-4.0	100	0.00
55 TMP Bromoform	0.299	0.323	-8.0	100	0.00
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	0.689	0.661	4.1	100	0.00
58 TMP n-Propylbenzene	2.700	2.621	2.9	100	0.00
59 TMP Bromobenzene	0.837	0.836	0.1	100	0.00
60 TMP 1,3,5-Trimethylbenzene	1.968	2.012	-2.2	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.626	0.560	10.5	100	0.00
62 TMP 1,2,3-Trichloropropane	0.486	0.433#	10.9	100	0.00
63 TMP 2-Chlorotoluene	1.617	1.518	6.1	100	0.00
64 TMP 4-Chlorotoluene	1.912	1.811	5.3	100	0.00
65 TMP tert-Butylbenzene	1.952	2.033	-4.1	100	0.00
66 TMP 1,2,4-Trimethylbenzene	1.996	2.096	-5.0	100	0.00
67 TMP sec-Butylbenzene	2.624	2.715	-3.5	100	0.00
68 TMP p-Isopropyltoluene	2.387	2.593	-8.6	100	0.00
69 TMP 1,3-Dichlorobenzene	1.530	1.513	1.1	100	0.00
70 TMP 1,4-Dichlorobenzene	1.564	1.531	2.1	100	0.00
71 TMP 1,2-Dichlorobenzene	1.455	1.469	-1.0	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	0.108	0.110	-1.9	100	0.00
73 TMP 1,2,4-Trichlorobenzene	0.971	1.045	-7.6	100	0.00
74 TMP Hexachlorobutadiene	0.600	0.592	1.3	100	0.00
75 TMP Naphthalene	1.833	2.170	-18.4	100	0.00
76 TMP 1,2,3-Trichlorobenzene	0.846	0.944	-11.6	100	0.00

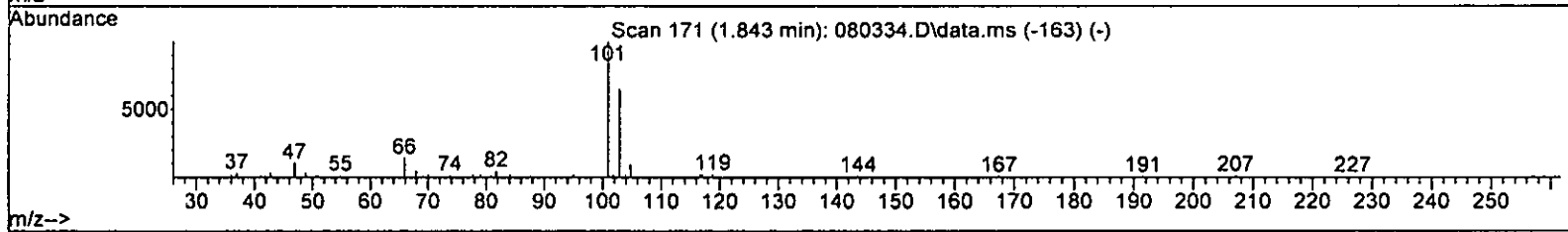
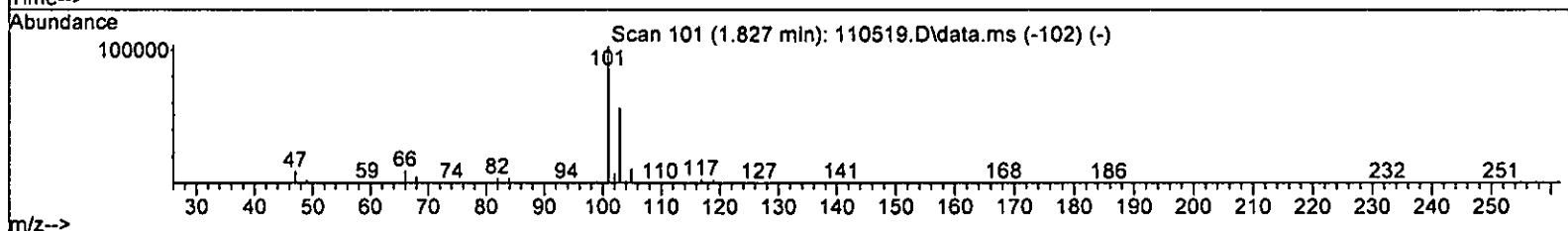
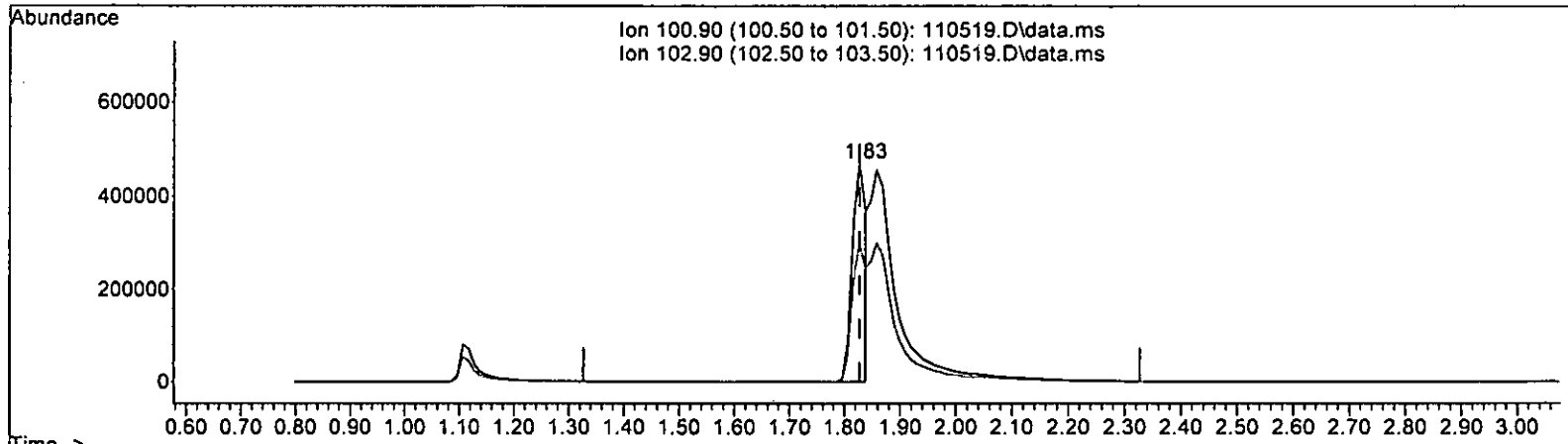
(#) = Out of Range

SPCC's out = 3 CCC's out = 0

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110519.D
 Acq On : 05 Nov 2022 04:35 pm
 Operator : VM
 Sample : 200 ppb 8260 ICAL 67-177U
 Misc : soil/water
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:35 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110519.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.827min (-0.000) 67.111 ppb

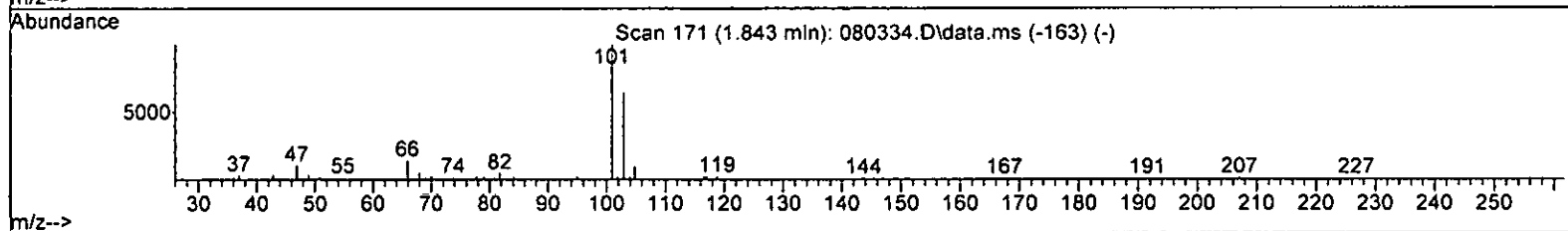
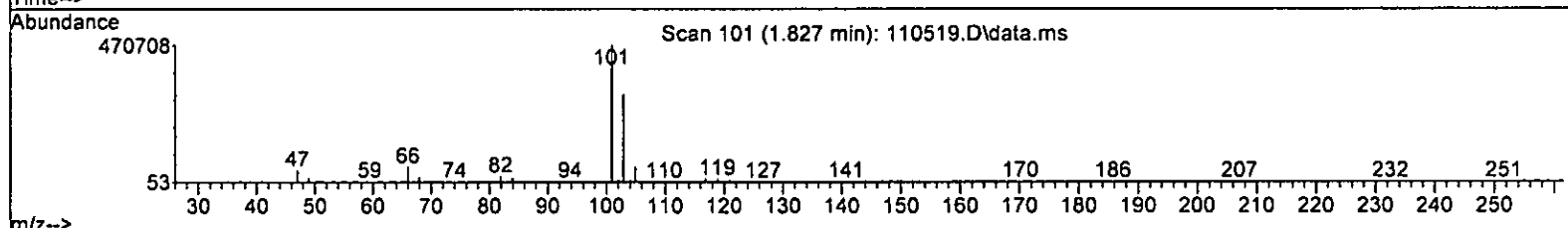
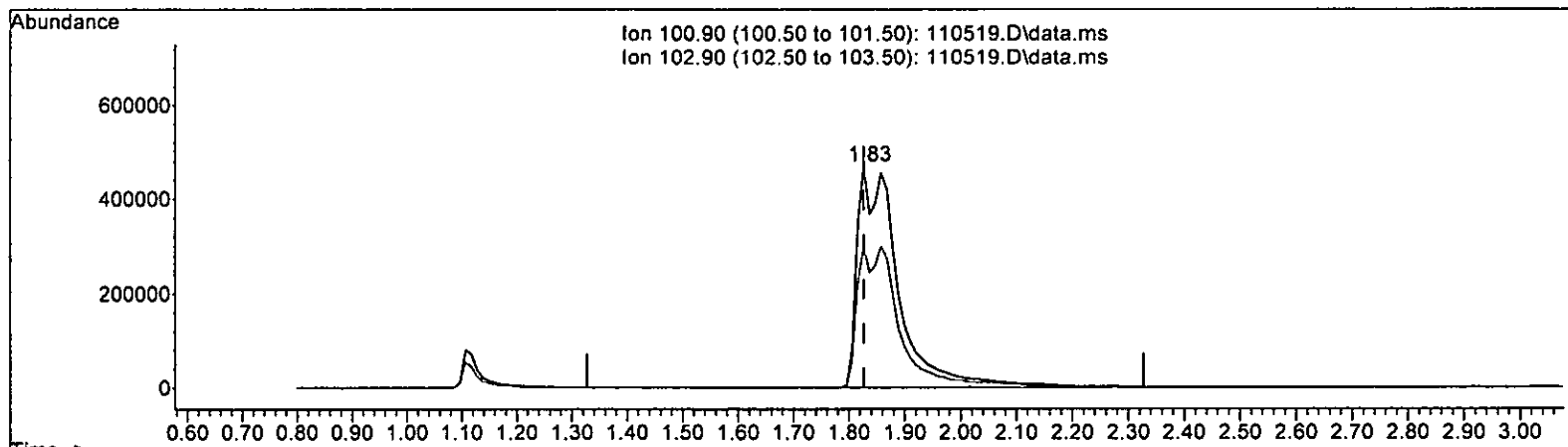
response 793121

Ion	Exp%	Act%
100.90	100.00	100.00
102.90	65.30	63.86
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110519.D
 Acq On : 05 Nov 2022 04:35 pm
 Operator : VM
 Sample : 200 ppb 8260 ICAL 67-177U
 Misc : soil/water
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:35 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110519.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.827min (-0.000) 217.013 ppb m

response 2564676

Ion	Exp%	Act%
100.90	100.00	100.00
102.90	65.30	63.87
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110519.D
 Acq On : 05 Nov 2022 04:35 pm
 Operator : VM
 Sample : 200 ppb 8260 ICAL 67-177U
 Misc : soil/water
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:35 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	4.75	96	105227	10.000	ppb	0.00
39) Chlorobenzene-d5	7.40	117	91763	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	54540	10.000	ppb	# 0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.17	113	34428	10.202	ppb	0.00
Spiked Amount	10.000	Range	50 - 150	Recovery	=	102.00%
30) 1,2-Dichloroethane-d4	4.45	102	6708	10.258	ppb	0.00
Spiked Amount	10.000	Range	84 - 120	Recovery	=	102.60%
35) Toluene-d8	6.11	98	102678	10.231	ppb	0.00
Spiked Amount	10.000	Range	73 - 128	Recovery	=	102.30%
57) 4-Bromofluorobenzene	8.51	95	35402	9.420	ppb	0.00
Spiked Amount	10.000	Range	57 - 146	Recovery	=	94.20%
Target Compounds						
						Qvalue
2) Ethanol	2.32	45	3275	No Calib		
4) Dichlorodifluoromethane	1.11	85	1824000	216.665	ppb	99
5) Chloromethane	1.25	50	1057643	205.895	ppb	95
6] Vinyl chloride	1.34	62	1025726	191.237	ppb	100
7) Bromomethane	1.58	94	886205	194.935	ppb	97
8] Chloroethane	1.64	64	494308	205.424	ppb	98
9) Trichlorofluoromethane	1.83	101	2564676m	217.013	ppb	
10] 2-Propanol	2.32	45	3275	No Calib	#	
11) Acetone	2.32	58	314218	1003.972	ppb	93
12] 1,1-Dichloroethene	2.27	96	565382	188.589	ppb	93
13) Hexane	3.16	57	725646	213.314	ppb	98
14) Methylene chloride	2.68	84	572042	200.216	ppb	96
15) t-Butyl alcohol (TBA)	2.82	59	283799	1123.683	ppb	92
16] Methyl t-butyl ether (...)	2.93	73	1451911	207.241	ppb	97
17] trans-1,2-Dichloroethene	2.91	96	630767	188.225	ppb	81
18) Diisopropyl ether (DIPE)	3.35	45	1431889	195.017	ppb	99
19] 1,1-Dichloroethane	3.27	63	949604	194.742	ppb	98
20) Ethyl t-butyl ether (E...)	3.66	87	642901	237.165	ppb	94
21) 2,2-Dichloropropane	3.76	77	618335	199.561	ppb	100
22] cis-1,2-Dichloroethene	3.77	96	667605	190.445	ppb	97
23) Chloroform	4.04	83	1128316	199.076	ppb	98
24) 2-Butanone (MEK)	3.79	43	1385193	999.839	ppb	98
25) t-Amyl methyl ether (T...)	4.61	73	1293539	227.466	ppb	94
26] 1,2-Dichloroethane (EDC)	4.53	62	831200	200.661	ppb	99
27] 1,1,1-Trichloroethane	4.19	97	1106308	218.203	ppb	98
28) 1,1-Dichloropropene	4.33	75	795751	200.176	ppb	95
29) Carbon tetrachloride	4.33	117	1126513	220.676	ppb	100
31] Benzene	4.50	78	2128648	180.887	ppb	98
32] Trichloroethene	5.05	95	728836	188.974	ppb	# 76
33) 1,2-Dichloropropane	5.24	63	497249	196.121	ppb	97
34) Bromodichloromethane	5.48	83	873574	214.733	ppb	93
36) Dibromomethane	5.35	93	442590	191.655	ppb	# 78

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110519.D
 Acq On : 05 Nov 2022 04:35 pm
 Operator : VM
 Sample : 200 ppb 8260 ICAL 67-177U
 Misc : soil/water
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS13

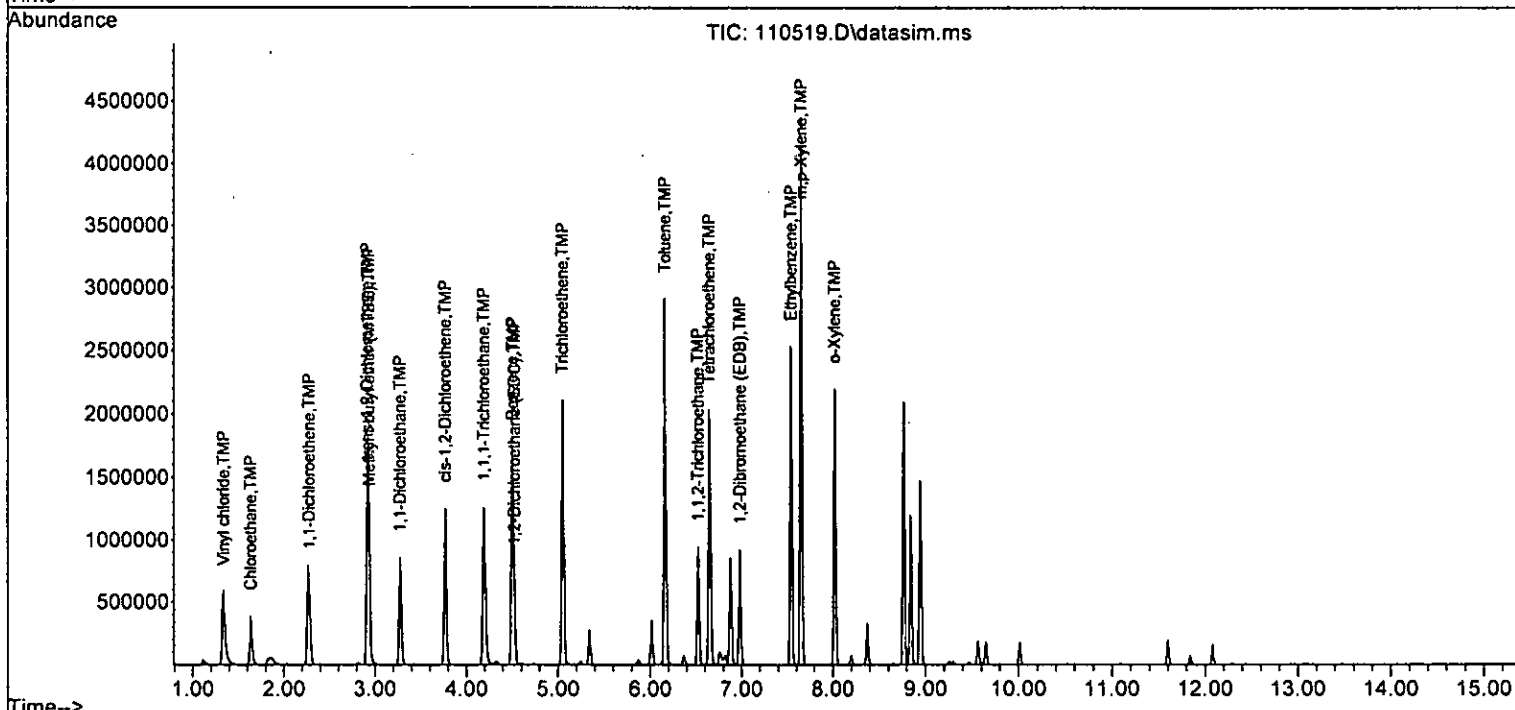
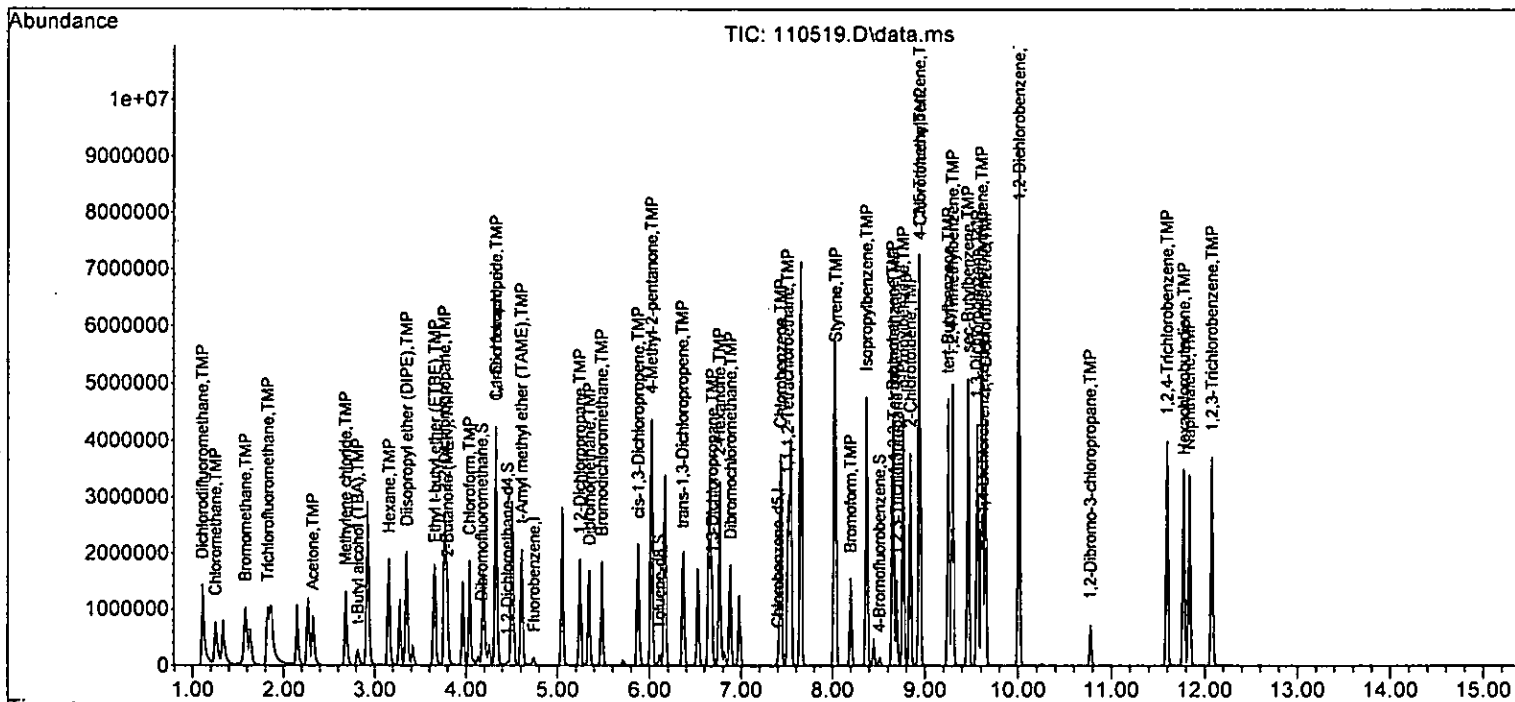
Quant Time: Nov 07 15:17:35 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	6.02	85	489946	1097.496	ppb	89
38) cis-1,3-Dichloropropene	5.88	75	902066	238.067	ppb	93
40] Toluene	6.16	92	1474185	200.169	ppb	93
41) trans-1,3-Dichloropropene	6.36	75	801572	198.879	ppb	90
42] 1,1,2-Trichloroethane	6.53	83	458701	200.192	ppb	90
43) 2-Hexanone	6.76	43	1734702	997.291	ppb	96
44) 1,3-Dichloropropane	6.68	76	776790	185.147	ppb	100
45] Tetrachloroethene	6.65	164	768364	200.175	ppb	96
46) Dibromochloromethane	6.88	129	897602	199.273	ppb	99
47] 1,2-Dibromoethane (EDB)	6.98	107	647622	196.298	ppb	98
48) Chlorobenzene	7.43	112	1871497	205.390	ppb	94
49] Ethylbenzene	7.54	91	2610526	182.724	ppb	92
50) 1,1,1,2-Tetrachloroethane	7.51	131	790558	222.870	ppb	97
51] m,p-Xylene	7.65	106	2141377	381.424	ppb	85
52] o-Xylene	8.02	106	1063136	196.124	ppb	85
53) Styrene	8.03	104	1702407	209.095	ppb	96
54) Isopropylbenzene	8.37	105	2776875	210.818	ppb	92
55) Bromoform	8.20	173	639607	233.107	ppb	98
58) n-Propylbenzene	8.77	91	2864984	194.579	ppb	86
59) Bromobenzene	8.65	156	958351	209.820	ppb #	77
60) 1,3,5-Trimethylbenzene	8.94	105	2216380	206.530	ppb	90
61) 1,1,2,2-Tetrachloroethane	8.66	83	612270	200.875	ppb	98
62) 1,2,3-Trichloropropane	8.70	75	464753	175.258	ppb	92
63) 2-Chlorotoluene	8.84	91	1648488	186.951	ppb	83
64) 4-Chlorotoluene	8.95	91	1951298	187.124	ppb	83
65) tert-Butylbenzene	9.25	119	2281827	214.344	ppb	90
66) 1,2,4-Trimethylbenzene	9.30	105	2347191	215.576	ppb	92
67) sec-Butylbenzene	9.46	105	3063699	214.091	ppb	92
68) p-Isopropyltoluene	9.61	119	2925975	224.761	ppb	95
69) 1,3-Dichlorobenzene	9.56	146	1701121	203.924	ppb	97
70) 1,4-Dichlorobenzene	9.65	146	1727324	202.499	ppb	96
71) 1,2-Dichlorobenzene	10.01	146	1654133	208.504	ppb	96
72) 1,2-Dibromo-3-chloropr...	10.77	75	130205	221.242	ppb	86
73) 1,2,4-Trichlorobenzene	11.60	180	1238341	233.950	ppb	97
74) Hexachlorobutadiene	11.78	225	703163	214.976	ppb	97
75) Naphthalene	11.83	128	2565831	198.845	ppb	99
76) 1,2,3-Trichlorobenzene	12.08	180	1109101	240.388	ppb	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110519.D
 Acq On : 05 Nov 2022 04:35 pm
 Operator : VM
 Sample : 200 ppb 8260 ICAL 67-177U
 Misc : soil/water
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:35 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110519.D
 Acq On : 05 Nov 2022 04:35 pm
 Operator : VM
 Sample : 200 ppb 8260 ICAL 67-177U
 Misc : soil/water
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:35 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2 TMP	Ethanol	-1.000	0.000	0.0	0	-0.01
3 S	Dibromofluoromethane	10.000	10.202	-2.0	100	0.00
4 TMP	Dichlorodifluoromethane	200.000	216.665	-8.3	100	-0.01
5 TMP	Chloromethane	200.000	205.895	-2.9	100	-0.01
6 TMP	Vinyl chloride	200.000	191.237	4.4	100	0.00
7 TMP	Bromomethane	200.000	194.935	2.5	100	0.00
8 TMP	Chloroethane	200.000	205.424	-2.7	100	-0.01
9 TMP	Trichlorofluoromethane	200.000	217.013	-8.5	103	0.00
10 TMP	2-Propanol	-1.000	0.000	0.0	0	-0.01
11 TMP	Acetone	1000.000	1003.972	-0.4	100	-0.01
12 TMP	1,1-Dichloroethene	200.000	188.589	5.7	100	0.00
13 TMP	Hexane	200.000	213.314	-6.7	100	0.00
14 TMP	Methylene chloride	200.000	200.216	-0.1	100	0.00
15 TMP	t-Butyl alcohol (TBA)	1000.000	1123.683	-12.4	100	0.00
16 TMP	Methyl t-butyl ether (MTBE)	200.000	207.241	-3.6	100	0.00
17 TMP	trans-1,2-Dichloroethene	200.000	188.225	5.9	100	-0.01
18 TMP	Diisopropyl ether (DIPE)	200.000	195.017	2.5	100	0.00
19 TMP	1,1-Dichloroethane	200.000	194.742	2.6	100	0.00
20 TMP	Ethyl t-butyl ether (ETBE)	200.000	237.165	-18.6	100	0.00
21 TMP	2,2-Dichloropropane	200.000	199.561	0.2	100	-0.01
22 TMP	cis-1,2-Dichloroethene	200.000	190.445	4.8	100	0.00
23 TMP	Chloroform	200.000	199.076	0.5	100	0.00
24 TMP	2-Butanone (MEK)	1000.000	999.839	0.0	100	0.00
25 TMP	t-Amyl methyl ether (TAME)	200.000	227.466	-13.7	100	0.00
26 TMP	1,2-Dichloroethane (EDC)	200.000	200.661	-0.3	100	0.00
27 TMP	1,1,1-Trichloroethane	200.000	218.203	-9.1	100	0.00
28 TMP	1,1-Dichloropropene	200.000	200.176	-0.1	100	0.00
29 TMP	Carbon tetrachloride	200.000	220.676	-10.3	100	0.00
30 S	1,2-Dichloroethane-d4	10.000	10.258	-2.6	100	0.00
31 TMP	Benzene	200.000	180.887	9.6	100	0.00
32 TMP	Trichloroethene	200.000	188.974	5.5	100	0.00
33 TMP	1,2-Dichloropropane	200.000	196.121	1.9	100	0.00
34 TMP	Bromodichloromethane	200.000	214.733	-7.4	100	0.00
35 S	Toluene-d8	10.000	10.231	-2.3	100	0.00
36 TMP	Dibromomethane	200.000	191.655	4.2	100	0.00
37 TMP	4-Methyl-2-pentanone	1000.000	1097.496	-9.7	100	0.00
38 TMP	cis-1,3-Dichloropropene	200.000	238.067	-19.0	100	0.00
39 I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40 TMP	Toluene	200.000	200.169	-0.1	100	0.00
41 TMP	trans-1,3-Dichloropropene	200.000	198.879	0.6	100	0.00
42 TMP	1,1,2-Trichloroethane	200.000	200.192	-0.1	100	0.00
43 TMP	2-Hexanone	1000.000	997.291	0.3	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110519.D
 Acq On : 05 Nov 2022 04:35 pm
 Operator : VM
 Sample : 200 ppb 8260 ICAL 67-177U
 Misc : soil/water
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:35 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	200.000	185.147	7.4	100	0.00
45 TMP Tetrachloroethene	200.000	200.175	-0.1	100	0.00
46 TMP Dibromochloromethane	200.000	199.273	0.4	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	200.000	196.298	1.9	100	0.00
48 TMP Chlorobenzene	200.000	205.390	-2.7	100	0.00
49 TMP Ethylbenzene	200.000	182.724	8.6	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	200.000	222.870	-11.4	100	0.00
51 TMP m,p-Xylene	400.000	381.424	4.6	100	0.00
52 TMP o-Xylene	200.000	196.124	1.9	100	0.00
53 TMP Styrene	200.000	209.095	-4.5	100	0.00
54 TMP Isopropylbenzene	200.000	210.818	-5.4	100	0.00
55 TMP Bromoform	200.000	233.107	-16.6	100	0.00
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	10.000	9.420	5.8	100	0.00
58 TMP n-Propylbenzene	200.000	194.579	2.7	100	0.00
59 TMP Bromobenzene	200.000	209.820	-4.9	100	0.00
60 TMP 1,3,5-Trimethylbenzene	200.000	206.530	-3.3	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	200.000	200.875	-0.4	100	0.00
62 TMP 1,2,3-Trichloropropane	200.000	175.258	12.4	100	0.00
63 TMP 2-Chlorotoluene	200.000	186.951	6.5	100	0.00
64 TMP 4-Chlorotoluene	200.000	187.124	6.4	100	0.00
65 TMP tert-Butylbenzene	200.000	214.344	-7.2	100	0.00
66 TMP 1,2,4-Trimethylbenzene	200.000	215.576	-7.8	100	0.00
67 TMP sec-Butylbenzene	200.000	214.091	-7.0	100	0.00
68 TMP p-Isopropyltoluene	200.000	224.761	-12.4	100	0.00
69 TMP 1,3-Dichlorobenzene	200.000	203.924	-2.0	100	0.00
70 TMP 1,4-Dichlorobenzene	200.000	202.499	-1.2	100	0.00
71 TMP 1,2-Dichlorobenzene	200.000	208.504	-4.3	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	200.000	221.242	-10.6	100	0.00
73 TMP 1,2,4-Trichlorobenzene	200.000	233.950	-17.0	100	0.00
74 TMP Hexachlorobutadiene	200.000	214.976	-7.5	100	0.00
75 TMP Naphthalene	200.000	198.845	0.6	100	0.00
76 TMP 1,2,3-Trichlorobenzene	200.000	240.388	-20.2#	100	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110519.D
 Acq On : 05 Nov 2022 04:35 pm
 Operator : VM
 Sample : 200 ppb 8260 ICAL 67-177U
 Misc : soil/water
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:35 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2 TMP	Ethanol	0.000	0.000#	0.0	0#	-0.01
3 S	Dibromofluoromethane	0.321	0.327	-1.9	100	0.00
4 TMP	Dichlorodifluoromethane	0.800	0.867	-8.4	100	-0.01
5 TMP	Chloromethane	0.488	0.503	-3.1	100	-0.01
6 TMP	Vinyl chloride	0.510	0.487	4.5	100	0.00
7 TMP	Bromomethane	0.432	0.421	2.5	100	0.00
8 TMP	Chloroethane	0.229	0.235	-2.6	100	-0.01
9 TMP	Trichlorofluoromethane	1.123	1.219	-8.5	103	0.00
10 TMP	2-Propanol	0.000	0.000	0.0	0#	-0.01
11 TMP	Acetone	0.029	0.030	-3.4	100	-0.01
12 TMP	1,1-Dichloroethene	0.285	0.269	5.6	100	0.00
13 TMP	Hexane	0.323	0.345	-6.8	100	0.00
14 TMP	Methylene chloride	0.289	0.272	5.9	100	0.00
15 TMP	t-Butyl alcohol (TBA)	0.024	0.027#	-12.5	100	0.00
16 TMP	Methyl t-butyl ether (MTBE)	0.666	0.690	-3.6	100	0.00
17 TMP	trans-1,2-Dichloroethene	0.318	0.300	5.7	100	-0.01
18 TMP	Diisopropyl ether (DIPE)	0.698	0.680	2.6	100	0.00
19 TMP	1,1-Dichloroethane	0.463	0.451	2.6	100	0.00
20 TMP	Ethyl t-butyl ether (ETBE)	0.258	0.305	-18.2	100	0.00
21 TMP	2,2-Dichloropropane	0.258	0.294	-14.0	100	-0.01
22 TMP	cis-1,2-Dichloroethene	0.333	0.317	4.8	100	0.00
23 TMP	Chloroform	0.539	0.536	0.6	100	0.00
24 TMP	2-Butanone (MEK)	0.132	0.132	0.0	100	0.00
25 TMP	t-Amyl methyl ether (TAME)	0.540	0.615	-13.9	100	0.00
26 TMP	1,2-Dichloroethane (EDC)	0.465	0.395	15.1	100	0.00
27 TMP	1,1,1-Trichloroethane	0.482	0.526	-9.1	100	0.00
28 TMP	1,1-Dichloropropene	0.370	0.378	-2.2	100	0.00
29 TMP	Carbon tetrachloride	0.485	0.535	-10.3	100	0.00
30 S	1,2-Dichloroethane-d4	0.062	0.064	-3.2	100	0.00
31 TMP	Benzene	1.118	1.011	9.6	100	0.00
32 TMP	Trichloroethene	0.367	0.346	5.7	100	0.00
33 TMP	1,2-Dichloropropane	0.241	0.236	2.1	100	0.00
34 TMP	Bromodichloromethane	0.387	0.415	-7.2	100	0.00
35 S	Toluene-d8	0.954	0.976	-2.3	100	0.00
36 TMP	Dibromomethane	0.219	0.210	4.1	100	0.00
37 TMP	4-Methyl-2-pentanone	0.042	0.047	-11.9	100	0.00
38 TMP	cis-1,3-Dichloropropene	0.360	0.429	-19.2	100	0.00
39 I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40 TMP	Toluene	0.907	0.803	11.5	100	0.00
41 TMP	trans-1,3-Dichloropropene	0.366	0.437	-19.4	100	0.00
42 TMP	1,1,2-Trichloroethane	0.285	0.250	12.3	100	0.00
43 TMP	2-Hexanone	0.190	0.189	0.5	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110519.D
 Acq On : 05 Nov 2022 04:35 pm
 Operator : VM
 Sample : 200 ppb 8260 ICAL 67-177U
 Misc : soil/water
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:35 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.457	0.423	7.4	100	0.00
45 TMP Tetrachloroethene	0.460	0.419	8.9	100	0.00
46 TMP Dibromochloromethane	0.451	0.489	-8.4	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	0.360	0.353	1.9	100	0.00
48 TMP Chlorobenzene	0.993	1.020	-2.7	100	0.00
49 TMP Ethylbenzene	1.557	1.422	8.7	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.387	0.431	-11.4	100	0.00
51 TMP m,p-Xylene	0.612	0.583	4.7	100	0.00
52 TMP o-Xylene	0.591	0.579	2.0	100	0.00
53 TMP Styrene	0.887	0.928	-4.6	100	0.00
54 TMP Isopropylbenzene	1.435	1.513	-5.4	100	0.00
55 TMP Bromoform	0.299	0.349	-16.7	100	0.00
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	0.689	0.649	5.8	100	0.00
58 TMP n-Propylbenzene	2.700	2.626	2.7	100	0.00
59 TMP Bromobenzene	0.837	0.879	-5.0	100	0.00
60 TMP 1,3,5-Trimethylbenzene	1.968	2.032	-3.3	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.626	0.561	10.4	100	0.00
62 TMP 1,2,3-Trichloropropane	0.486	0.426#	12.3	100	0.00
63 TMP 2-Chlorotoluene	1.617	1.511	6.6	100	0.00
64 TMP 4-Chlorotoluene	1.912	1.789	6.4	100	0.00
65 TMP tert-Butylbenzene	1.952	2.092	-7.2	100	0.00
66 TMP 1,2,4-Trimethylbenzene	1.996	2.152	-7.8	100	0.00
67 TMP sec-Butylbenzene	2.624	2.809	-7.1	100	0.00
68 TMP p-Isopropyltoluene	2.387	2.682	-12.4	100	0.00
69 TMP 1,3-Dichlorobenzene	1.530	1.560	-2.0	100	0.00
70 TMP 1,4-Dichlorobenzene	1.564	1.584	-1.3	100	0.00
71 TMP 1,2-Dichlorobenzene	1.455	1.516	-4.2	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	0.108	0.119	-10.2	100	0.00
73 TMP 1,2,4-Trichlorobenzene	0.971	1.135	-16.9	100	0.00
74 TMP Hexachlorobutadiene	0.600	0.645	-7.5	100	0.00
75 TMP Naphthalene	1.833	2.352	-28.3#	100	0.00
76 TMP 1,2,3-Trichlorobenzene	0.846	1.017	-20.2#	100	0.00

(#) = Out of Range

SPCC's out = 3 CCC's out = 0

Data Path : D:\Proc_GCMS13\11-07-22\
 Data File : 110706.D
 Acq On : 07 Nov 2022 10:34 am
 Operator : LM
 Sample : 10 ppb 8260 SCV 67-155
 Misc : soil/water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:49:10 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	4.73	96	107809	10.000	ppb	-0.01
39) Chlorobenzene-d5	7.40	117	88712	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	52143	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.17	113	35026	10.131	ppb	0.00
Spiked Amount	10.000	Range	50 - 150	Recovery	=	101.30%
30) 1,2-Dichloroethane-d4	4.45	102	6899	10.297	ppb	0.00
Spiked Amount	10.000	Range	84 - 120	Recovery	=	103.00%
35) Toluene-d8	6.11	98	104241	10.138	ppb	0.00
Spiked Amount	10.000	Range	73 - 128	Recovery	=	101.40%
57) 4-Bromofluorobenzene	8.51	95	35177	9.791	ppb	0.00
Spiked Amount	10.000	Range	57 - 146	Recovery	=	97.90%
Target Compounds						
						Qvalue
2) Ethanol	2.32	45	404	No Calib		
4) Dichlorodifluoromethane	1.11	85	69459	8.053	ppb	97
5) Chloromethane	1.25	50	49461	9.398	ppb	96
6] Vinyl chloride	1.34	62	50437	9.178	ppb	98
7) Bromomethane	1.57	94	48907	10.500	ppb	93
8] Chloroethane	1.65	64	24020	9.743	ppb	95
9) Trichlorofluoromethane	1.83	101	126435	10.442	ppb	95
10) 2-Propanol	2.32	45	404	No Calib	#	
11) Acetone	2.32	58	18598	65.558	ppb	89
12] 1,1-Dichloroethene	2.26	96	32255	10.501	ppb	83
13) Hexane	3.16	57	37617	10.793	ppb	96
14) Methylene chloride	2.68	84	35346	11.050	ppb	95
15) t-Butyl alcohol (TBA)	2.82	59	14861	57.432	ppb	97
16] Methyl t-butyl ether (...)	2.92	73	79509	11.077	ppb	96
17] trans-1,2-Dichloroethene	2.91	96	34006	9.905	ppb	83
18) Diisopropyl ether (DIPE)	3.34	45	73609	9.785	ppb	98
19] 1,1-Dichloroethane	3.27	63	51794	10.367	ppb	96
20) Ethyl t-butyl ether (E...)	3.65	87	31003	11.163	ppb	95
21) 2,2-Dichloropropane	3.76	77	30099	11.573	ppb	94
22] cis-1,2-Dichloroethene	3.77	96	34784	9.685	ppb	96
23) Chloroform	4.04	83	57168	9.845	ppb	97
24) 2-Butanone (MEK)	3.78	43	85005	62.847	ppb	97
25) t-Amyl methyl ether (T...)	4.61	73	66102	11.346	ppb	93
26] 1,2-Dichloroethane (EDC)	4.52	62	45561	10.401	ppb	93
27] 1,1,1-Trichloroethane	4.19	97	56350	10.848	ppb	96
28) 1,1-Dichloropropene	4.32	75	40674	10.438	ppb	98
29) Carbon tetrachloride	4.32	117	52239	9.988	ppb	99
31] Benzene	4.50	78	115853	9.609	ppb	99
32] Trichloroethene	5.04	95	37065	9.380	ppb	95
33) 1,2-Dichloropropane	5.24	63	26126	10.058	ppb	97
34) Bromodichloromethane	5.48	83	41239	9.894	ppb	90
36) Dibromomethane	5.34	93	22396	9.466	ppb	87

Data Path : D:\Proc_GCMS13\11-07-22\
 Data File : 110706.D
 Acq On : 07 Nov 2022 10:34 am
 Operator : LM
 Sample : 10 ppb 8260 SCV 67-155
 Misc : soil/water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

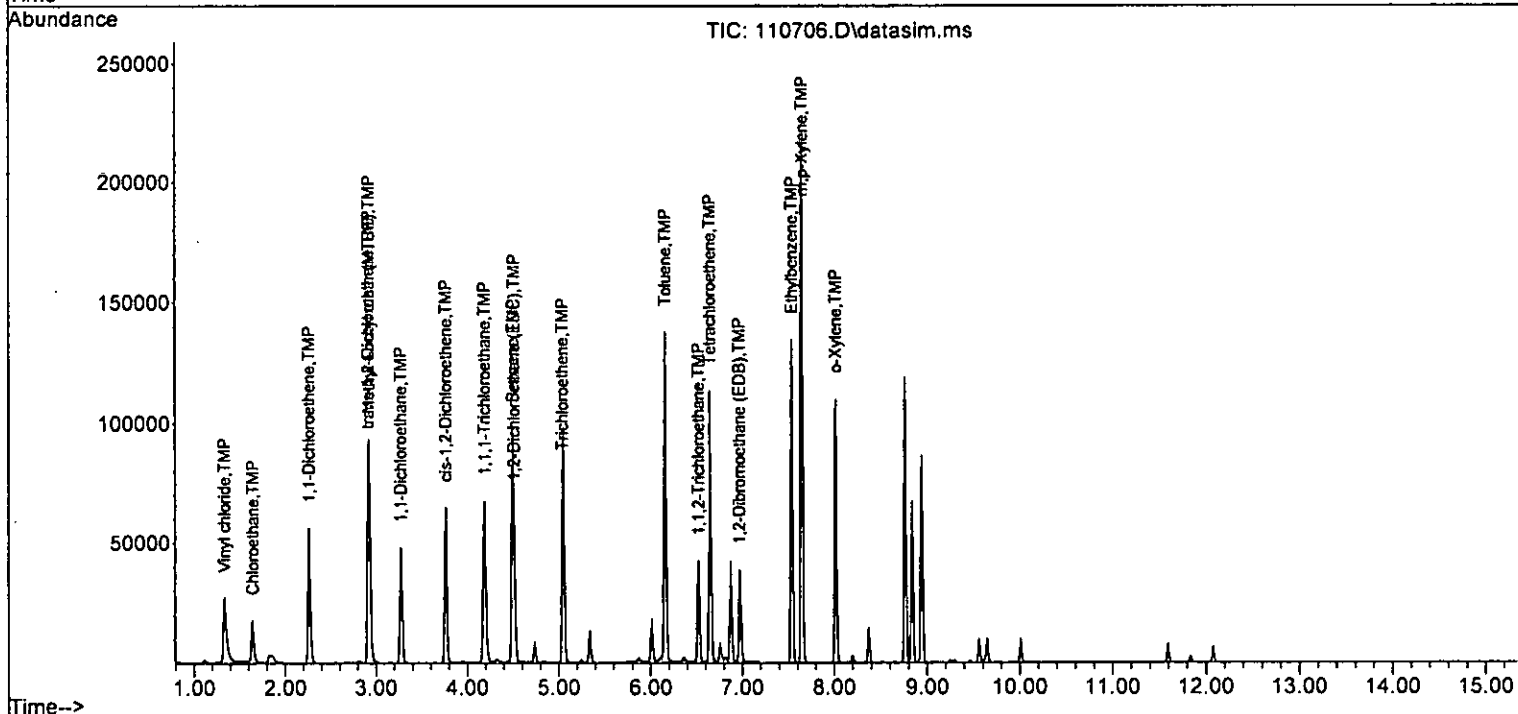
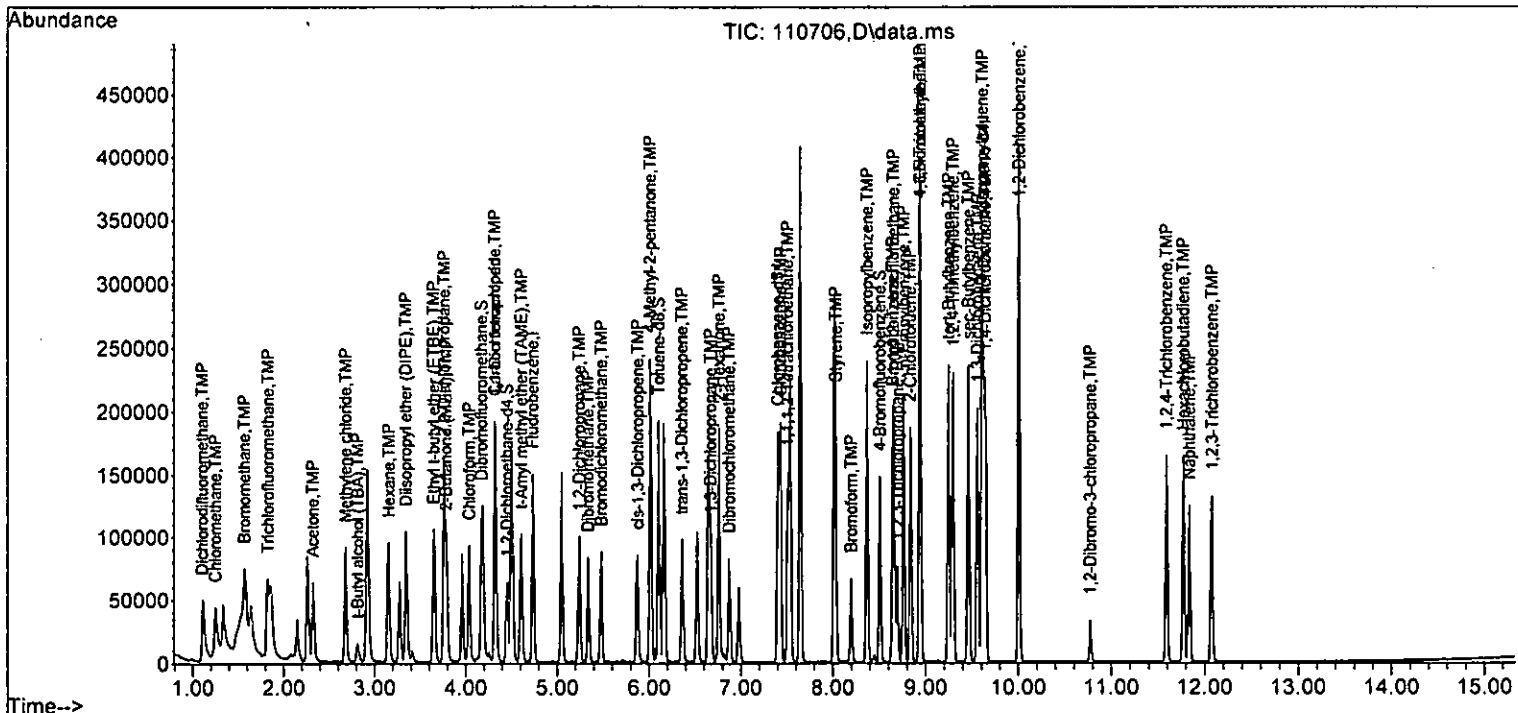
Quant Time: Nov 07 15:49:10 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	6.01	85	24794	54.209	ppb	92
38) cis-1,3-Dichloropropene	5.88	75	41041	10.572	ppb	92
40] Toluene	6.16	92	73801	10.379	ppb	94
41) trans-1,3-Dichloropropene	6.36	75	35738	11.416	ppb	91
42] 1,1,2-Trichloroethane	6.53	83	23480	10.230	ppb	84
43) 2-Hexanone	6.76	43	107316	63.819	ppb	97
44) 1,3-Dichloropropane	6.67	76	39527	9.745	ppb	99
45] Tetrachloroethene	6.65	164	37989	10.841	ppb	93
46) Dibromochloromethane	6.87	129	39620	10.380	ppb	98
47] 1,2-Dibromoethane (EDB)	6.97	107	32152	10.081	ppb	92
48) Chlorobenzene	7.43	112	88017	9.992	ppb	95
49] Ethylbenzene	7.54	91	138053	9.995	ppb	91
50) 1,1,1,2-Tetrachloroethane	7.51	131	34581	10.084	ppb	95
51] m,p-Xylene	7.65	106	109130	20.107	ppb	85
52] o-Xylene	8.02	106	53561	10.221	ppb	84
53) Styrene	8.03	104	80834	10.270	ppb	97
54) Isopropylbenzene	8.37	105	130719	10.265	ppb	95
55) Bromoform	8.20	173	25888	9.759	ppb	98
58) n-Propylbenzene	8.77	91	147169	10.455	ppb	90
59) Bromobenzene	8.65	156	44091	10.097	ppb	86
60) 1,3,5-Trimethylbenzene	8.94	105	108127	10.539	ppb	92
61) 1,1,2,2-Tetrachloroethane	8.65	83	34157	11.235	ppb	97
62) 1,2,3-Trichloropropane	8.70	75	25355	10.001	ppb	94
63) 2-Chlorotoluene	8.84	91	86164	10.221	ppb	92
64) 4-Chlorotoluene	8.94	91	102138	10.245	ppb	96
65) tert-Butylbenzene	9.25	119	102868	10.107	ppb	93
66) 1,2,4-Trimethylbenzene	9.30	105	111968	10.756	ppb	94
67) sec-Butylbenzene	9.46	105	140170	10.245	ppb	93
68) p-Isopropyltoluene	9.61	119	131454	10.562	ppb	95
69) 1,3-Dichlorobenzene	9.56	146	79493	9.967	ppb	97
70) 1,4-Dichlorobenzene	9.64	146	81416	9.983	ppb	98
71) 1,2-Dichlorobenzene	10.01	146	76374	10.070	ppb	96
72) 1,2-Dibromo-3-chloropr...	10.77	75	5936	10.550	ppb	91
73) 1,2,4-Trichlorobenzene	11.59	180	47850	9.456	ppb	93
74) Hexachlorobutadiene	11.77	225	29539	9.446	ppb	98
75) Naphthalene	11.83	128	87948	9.094	ppb	98
76) 1,2,3-Trichlorobenzene	12.08	180	39153	8.876	ppb	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS13\11-07-22\
 Data File : 110706.D
 Acq On : 07 Nov 2022 10:34 am
 Operator : LM
 Sample : 10 ppb 8260 SCV 67-155
 Misc : soil/water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:49:10 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-07-22\
 Data File : 110706.D
 Acq On : 07 Nov 2022 10:34 am
 Operator : LM
 Sample : 10 ppb 8260 SCV 67-155
 Misc : soil/water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:49:10 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I Fluorobenzene	10.000	10.000	0.0	103	-0.01
2 TMP Ethanol	-1.000	0.000	0.0	0	-0.01
3 S Dibromofluoromethane	10.000	10.131	-1.3	105	0.00
4 TMP Dichlorodifluoromethane	10.000	8.053	19.5	84	-0.01
5 TMP Chloromethane	10.000	9.398	6.0	94	-0.01
6 TMP Vinyl chloride	10.000	9.178	8.2	97	0.00
7 TMP Bromomethane	10.000	10.500	-5.0	96	-0.01
8 TMP Chloroethane	10.000	9.743	2.6	97	0.00
9 TMP Trichlorofluoromethane	10.000	10.442	-4.4	111	0.00
10 TMP 2-Propanol	-1.000	0.000	0.0	0	-0.01
11 TMP Acetone	50.000	65.558	-31.1#	124	-0.01
12 TMP 1,1-Dichloroethene	10.000	10.501	-5.0	110	-0.01
13 TMP Hexane	10.000	10.793	-7.9	110	0.00
14 TMP Methylene chloride	10.000	11.050	-10.5	112	0.00
15 TMP t-Butyl alcohol (TBA)	50.000	57.432	-14.9	117	0.00
16 TMP Methyl t-butyl ether (MTBE)	10.000	11.077	-10.8	113	-0.01
17 TMP trans-1,2-Dichloroethene	10.000	9.905	1.0	104	-0.01
18 TMP Diisopropyl ether (DIPE)	10.000	9.785	2.1	105	-0.01
19 TMP 1,1-Dichloroethane	10.000	10.367	-3.7	105	0.00
20 TMP Ethyl t-butyl ether (ETBE)	10.000	11.163	-11.6	120	-0.01
21 TMP 2,2-Dichloropropane	10.000	11.573	-15.7	127	-0.01
22 TMP cis-1,2-Dichloroethene	10.000	9.685	3.1	99	0.00
23 TMP Chloroform	10.000	9.845	1.5	103	0.00
24 TMP 2-Butanone (MEK)	50.000	62.847	-25.7#	124	-0.01
25 TMP t-Amyl methyl ether (TAME)	10.000	11.346	-13.5	118	0.00
26 TMP 1,2-Dichloroethane (EDC)	10.000	10.401	-4.0	103	-0.01
27 TMP 1,1,1-Trichloroethane	10.000	10.848	-8.5	114	0.00
28 TMP 1,1-Dichloropropene	10.000	10.438	-4.4	106	-0.01
29 TMP Carbon tetrachloride	10.000	9.988	0.1	107	-0.01
30 S 1,2-Dichloroethane-d4	10.000	10.297	-3.0	101	0.00
31 TMP Benzene	10.000	9.609	3.9	101	0.00
32 TMP Trichloroethene	10.000	9.380	6.2	100	-0.01
33 TMP 1,2-Dichloropropane	10.000	10.058	-0.6	106	0.00
34 TMP Bromodichloromethane	10.000	9.894	1.1	100	0.00
35 S Toluene-d8	10.000	10.138	-1.4	103	0.00
36 TMP Dibromomethane	10.000	9.466	5.3	99	-0.01
37 TMP 4-Methyl-2-pentanone	50.000	54.209	-8.4	110	-0.01
38 TMP cis-1,3-Dichloropropene	10.000	10.572	-5.7	119	0.00
39 I Chlorobenzene-d5	10.000	10.000	0.0	102	0.00
40 TMP Toluene	10.000	10.379	-3.8	102	0.00
41 TMP trans-1,3-Dichloropropene	10.000	11.416	-14.2	124	0.00
42 TMP 1,1,2-Trichloroethane	10.000	10.230	-2.3	101	0.00
43 TMP 2-Hexanone	50.000	63.819	-27.6#	129	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-07-22\
 Data File : 110706.D
 Acq On : 07 Nov 2022 10:34 am
 Operator : LM
 Sample : 10 ppb 8260 SCV 67-155
 Misc : soil/water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:49:10 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	10.000	9.745	2.6	99	-0.01
45 TMP Tetrachloroethene	10.000	10.841	-8.4	106	0.00
46 TMP Dibromochloromethane	10.000	10.380	-3.8	108	-0.01
47 TMP 1,2-Dibromoethane (EDB)	10.000	10.081	-0.8	105	-0.01
48 TMP Chlorobenzene	10.000	9.992	0.1	105	0.00
49 TMP Ethylbenzene	10.000	9.995	0.1	104	0.00
50 TMP 1,1,1,2-Tetrachloroethane	10.000	10.084	-0.8	108	0.00
51 TMP m,p-Xylene	20.000	20.107	-0.5	105	0.00
52 TMP o-Xylene	10.000	10.221	-2.2	107	0.00
53 TMP Styrene	10.000	10.270	-2.7	104	0.00
54 TMP Isopropylbenzene	10.000	10.265	-2.7	104	0.00
55 TMP Bromoform	10.000	9.759	2.4	103	0.00
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	102	0.00
57 S 4-Bromofluorobenzene	10.000	9.791	2.1	100	0.00
58 TMP n-Propylbenzene	10.000	10.455	-4.6	103	0.00
59 TMP Bromobenzene	10.000	10.097	-1.0	104	0.00
60 TMP 1,3,5-Trimethylbenzene	10.000	10.539	-5.4	107	0.00
61 TMP 1,1,2,2-Tetrachloroethane	10.000	11.235	-12.3	107	0.00
62 TMP 1,2,3-Trichloropropane	10.000	10.001	-0.0	104	0.00
63 TMP 2-Chlorotoluene	10.000	10.221	-2.2	102	0.00
64 TMP 4-Chlorotoluene	10.000	10.245	-2.4	105	0.00
65 TMP tert-Butylbenzene	10.000	10.107	-1.1	106	0.00
66 TMP 1,2,4-Trimethylbenzene	10.000	10.756	-7.6	109	0.00
67 TMP sec-Butylbenzene	10.000	10.245	-2.4	104	0.00
68 TMP p-Isopropyltoluene	10.000	10.562	-5.6	108	0.00
69 TMP 1,3-Dichlorobenzene	10.000	9.967	0.3	103	0.00
70 TMP 1,4-Dichlorobenzene	10.000	9.983	0.2	104	0.00
71 TMP 1,2-Dichlorobenzene	10.000	10.070	-0.7	102	0.00
72 TMP 1,2-Dibromo-3-chloropropane	10.000	10.550	-5.5	111	0.00
73 TMP 1,2,4-Trichlorobenzene	10.000	9.456	5.4	102	0.00
74 TMP Hexachlorobutadiene	10.000	9.446	5.5	100	0.00
75 TMP Naphthalene	10.000	9.094	9.1	100	0.00
76 TMP 1,2,3-Trichlorobenzene	10.000	8.876	11.2	95	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-07-22\
 Data File : 110706.D
 Acq On : 07 Nov 2022 10:34 am
 Operator : LM
 Sample : 10 ppb 8260 SCV 67-155
 Misc : soil/water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:49:10 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I Fluorobenzene	1.000	1.000	0.0	103	-0.01
2 TMP Ethanol	0.000	0.000#	0.0	0#	-0.01
3 S Dibromofluoromethane	0.321	0.325	-1.2	105	0.00
4 TMP Dichlorodifluoromethane	0.800	0.644	19.5	84	-0.01
5 TMP Chloromethane	0.488	0.459	5.9	94	-0.01
6 TMP Vinyl chloride	0.510	0.468	8.2	97	0.00
7 TMP Bromomethane	0.432	0.454	-5.1	96	-0.01
8 TMP Chloroethane	0.229	0.223	2.6	97	0.00
9 TMP Trichlorofluoromethane	1.123	1.173	-4.5	111	0.00
10 TMP 2-Propanol	0.000	0.000	0.0	0#	-0.01
11 TMP Acetone	0.029	0.035	-20.7#	124	-0.01
12 TMP 1,1-Dichloroethene	0.285	0.299	-4.9	110	-0.01
13 TMP Hexane	0.323	0.349	-8.0	110	0.00
14 TMP Methylene chloride	0.289	0.328	-13.5	112	0.00
15 TMP t-Butyl alcohol (TBA)	0.024	0.028#	-16.7	117	0.00
16 TMP Methyl t-butyl ether (MTBE)	0.666	0.737	-10.7	113	-0.01
17 TMP trans-1,2-Dichloroethene	0.318	0.315	0.9	104	-0.01
18 TMP Diisopropyl ether (DIPE)	0.698	0.683	2.1	105	-0.01
19 TMP 1,1-Dichloroethane	0.463	0.480	-3.7	105	0.00
20 TMP Ethyl t-butyl ether (ETBE)	0.258	0.288	-11.6	120	-0.01
21 TMP 2,2-Dichloropropane	0.258	0.279	-8.1	127	-0.01
22 TMP cis-1,2-Dichloroethene	0.333	0.323	3.0	99	0.00
23 TMP Chloroform	0.539	0.530	1.7	103	0.00
24 TMP 2-Butanone (MEK)	0.132	0.158	-19.7	124	-0.01
25 TMP t-Amyl methyl ether (TAME)	0.540	0.613	-13.5	118	0.00
26 TMP 1,2-Dichloroethane (EDC)	0.465	0.423	9.0	103	-0.01
27 TMP 1,1,1-Trichloroethane	0.482	0.523	-8.5	114	0.00
28 TMP 1,1-Dichloropropene	0.370	0.377	-1.9	106	-0.01
29 TMP Carbon tetrachloride	0.485	0.485	0.0	107	-0.01
30 S 1,2-Dichloroethane-d4	0.062	0.064	-3.2	101	0.00
31 TMP Benzene	1.118	1.075	3.8	101	0.00
32 TMP Trichloroethene	0.367	0.344	6.3	100	-0.01
33 TMP 1,2-Dichloropropane	0.241	0.242	-0.4	106	0.00
34 TMP Bromodichloromethane	0.387	0.383	1.0	100	0.00
35 S Toluene-d8	0.954	0.967	-1.4	103	0.00
36 TMP Dibromomethane	0.219	0.208	5.0	99	-0.01
37 TMP 4-Methyl-2-pentanone	0.042	0.046	-9.5	110	-0.01
38 TMP cis-1,3-Dichloropropene	0.360	0.381	-5.8	119	0.00
39 I Chlorobenzene-d5	1.000	1.000	0.0	102	0.00
40 TMP Toluene	0.907	0.832	8.3	102	0.00
41 TMP trans-1,3-Dichloropropene	0.366	0.403	-10.1	124	0.00
42 TMP 1,1,2-Trichloroethane	0.285	0.265	7.0	101	0.00
43 TMP 2-Hexanone	0.190	0.242	-27.4#	129	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-07-22\
 Data File : 110706.D
 Acq On : 07 Nov 2022 10:34 am
 Operator : LM
 Sample : 10 ppb 8260 SCV 67-155
 Misc : soil/water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:49:10 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.457	0.446	2.4	99	-0.01
45 TMP Tetrachloroethene	0.460	0.428	7.0	106	0.00
46 TMP Dibromochloromethane	0.451	0.447	0.9	108	-0.01
47 TMP 1,2-Dibromoethane (EDB)	0.360	0.362	-0.6	105	-0.01
48 TMP Chlorobenzene	0.993	0.992	0.1	105	0.00
49 TMP Ethylbenzene	1.557	1.556	0.1	104	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.387	0.390	-0.8	108	0.00
51 TMP m,p-Xylene	0.612	0.615	-0.5	105	0.00
52 TMP o-Xylene	0.591	0.604	-2.2	107	0.00
53 TMP Styrene	0.887	0.911	-2.7	104	0.00
54 TMP Isopropylbenzene	1.435	1.474	-2.7	104	0.00
55 TMP Bromoform	0.299	0.292	2.3	103	0.00
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	102	0.00
57 S 4-Bromofluorobenzene	0.689	0.675	2.0	100	0.00
58 TMP n-Propylbenzene	2.700	2.822	-4.5	103	0.00
59 TMP Bromobenzene	0.837	0.846	-1.1	104	0.00
60 TMP 1,3,5-Trimethylbenzene	1.968	2.074	-5.4	107	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.626	0.655	-4.6	107	0.00
62 TMP 1,2,3-Trichloropropane	0.486	0.486#	0.0	104	0.00
63 TMP 2-Chlorotoluene	1.617	1.652	-2.2	102	0.00
64 TMP 4-Chlorotoluene	1.912	1.959	-2.5	105	0.00
65 TMP tert-Butylbenzene	1.952	1.973	-1.1	106	0.00
66 TMP 1,2,4-Trimethylbenzene	1.996	2.147	-7.6	109	0.00
67 TMP sec-Butylbenzene	2.624	2.688	-2.4	104	0.00
68 TMP p-Isopropyltoluene	2.387	2.521	-5.6	108	0.00
69 TMP 1,3-Dichlorobenzene	1.530	1.525	0.3	103	0.00
70 TMP 1,4-Dichlorobenzene	1.564	1.561	0.2	104	0.00
71 TMP 1,2-Dichlorobenzene	1.455	1.465	-0.7	102	0.00
72 TMP 1,2-Dibromo-3-chloropropane	0.108	0.114	-5.6	111	0.00
73 TMP 1,2,4-Trichlorobenzene	0.971	0.918	5.5	102	0.00
74 TMP Hexachlorobutadiene	0.600	0.566	5.7	100	0.00
75 TMP Naphthalene	1.833	1.687	8.0	100	0.00
76 TMP 1,2,3-Trichlorobenzene	0.846	0.751	11.2	95	0.00

(#) = Out of Range

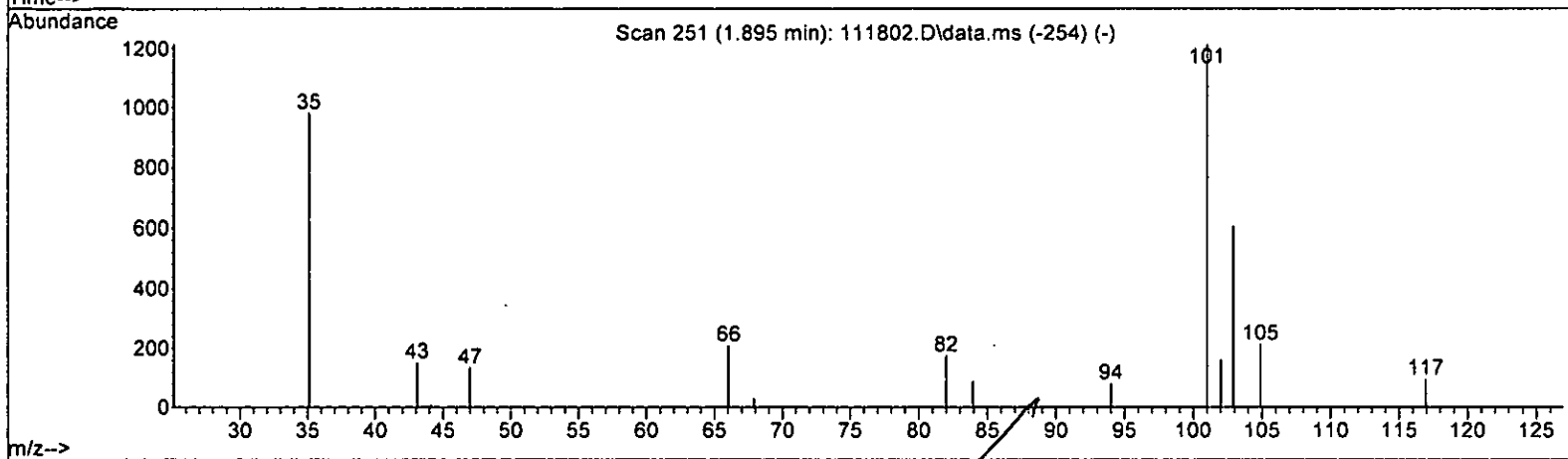
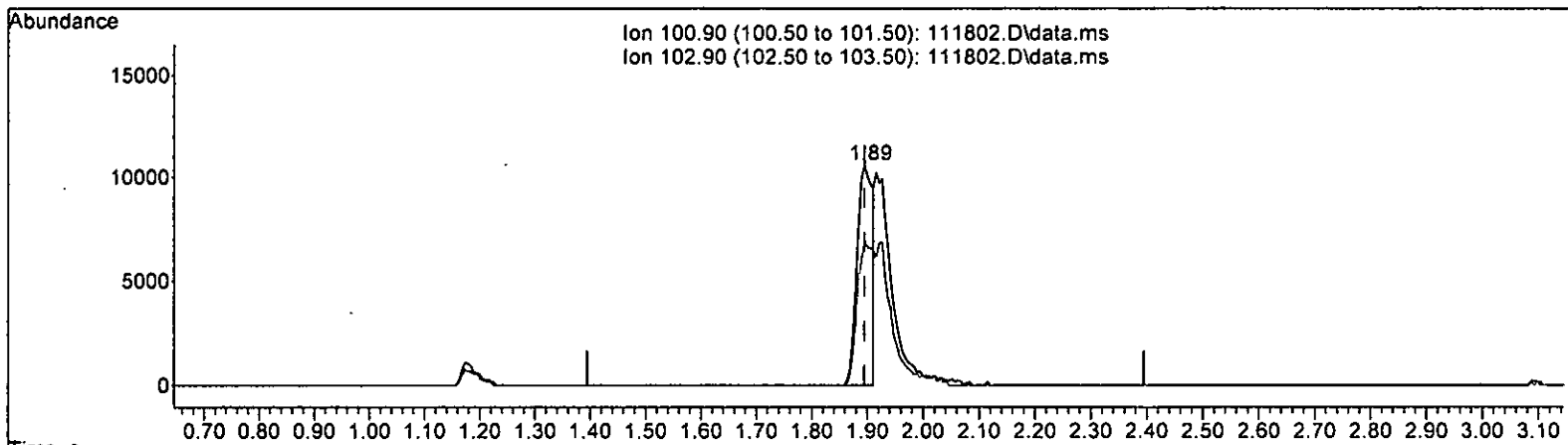
SPCC's out = 3 CCC's out = 0

EPA 8260D
CCV Summaries

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS4\11-18-22\
 Data File : 111802.D
 Acq On : 18 Nov 2022 5:48 am
 Operator : lm
 Sample : 10 ppb 8260 CCV 67-150N
 Misc : soil/water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 18 07:07:40 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



TIC: 111802.D\data.ms

M 11-18-22

(9) Trichlorofluoromethane (TMP)

1.895min (-0.000) 6.001 ppb

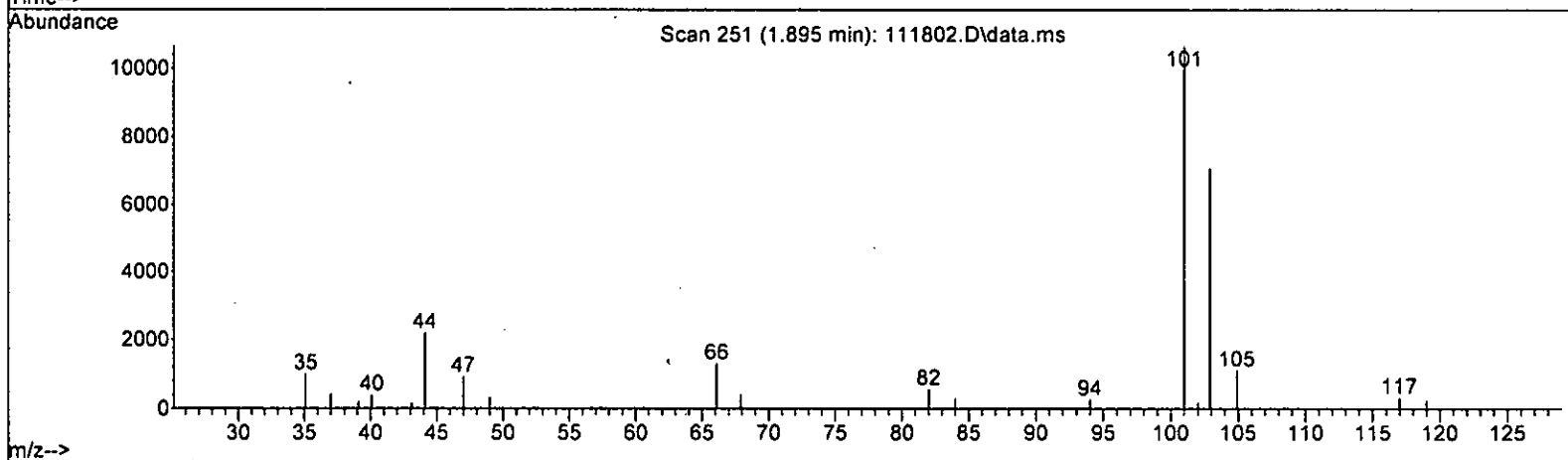
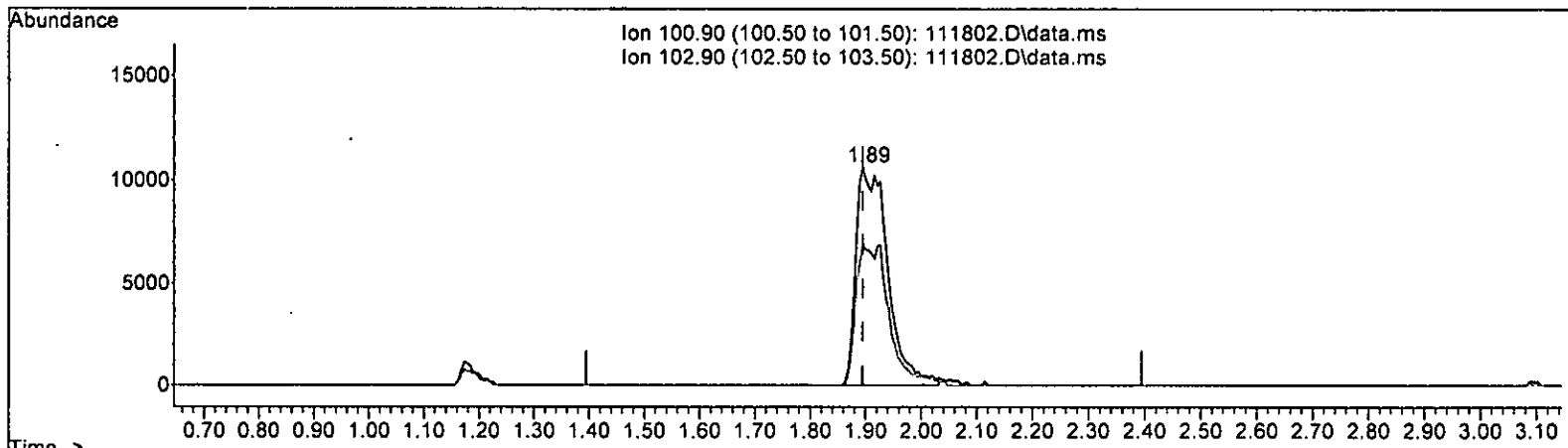
response 20530

Ion	Exp%	Act%
100.90	100.00	100.00
102.90	61.00	66.34
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS4\11-18-22\
 Data File : 111802.D
 Acq On : 18 Nov 2022 5:48 am
 Operator : lm
 Sample : 10 ppb 8260 CCV 67-150N
 Misc : soil/water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 18 07:07:40 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



TIC: 111802.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.895min (-0.000) 12.285 ppb m

response 42030

Ion	Exp%	Act%
100.90	100.00	100.00
102.90	61.00	66.34
0.00	0.00	0.00
0.00	0.00	0.00

lm 11.18.22

Data Path : Y:\Proc_GCMS4\11-18-22\
 Data File : 111802.D
 Acq On : 18 Nov 2022 5:48 am
 Operator : lm
 Sample : 10 ppb 8260 CCV 67-150N
 Misc : soil/water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 18 07:07:40 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) Fluorobenzene	4.78	96	60907	10.000	ppb	0.00	
39) Chlorobenzene-d5	7.43	117	57095	10.000	ppb	0.00	
56) 1,4-Dichlorobenzene-d4	9.65	152	37994	10.000	ppb	0.00	
System Monitoring Compounds							
3) Dibromofluoromethane	4.21	113	17516	10.461	ppb	0.00	
Spiked Amount	10.000	Range 0 - 1000	Recovery =	104.60%			
30) 1,2-Dichloroethane-d4	4.49	102	3706	9.583	ppb	0.00	
Spiked Amount	10.000	Range 90 - 109	Recovery =	95.80%			
35) Toluene-d8	6.14	98	64807	10.622	ppb	0.00	
Spiked Amount	10.000	Range 89 - 112	Recovery =	106.20%			
57) 4-Bromofluorobenzene	8.54	95	26586	9.978	ppb	0.00	
Spiked Amount	10.000	Range 84 - 115	Recovery =	99.80%			
Target Compounds							
2) Ethanol	0.00		0	N.D.			Qvalue
4) Dichlorodifluoromethane	1.18	85	24705	9.902	ppb	96	
5) Chloromethane	1.31	50	24648	10.656	ppb	98	
6) Vinyl chloride	1.40	62	24960	11.375	ppb	99	
7) Bromomethane	1.64	94	20411	20.004	ppb	96	
8) Chloroethane	1.71	64	13640	11.853	ppb	96	
9) Trichlorofluoromethane	1.89	101	42030m	12.285	ppb		
10) 2-Propanol	2.98	45	2900	No Calib			
11) Acetone	2.38	58	17176	105.157	ppb	99	
12) 1,1-Dichloroethene	2.32	96	21705	10.690	ppb	85	
13) Hexane	3.20	57	23091	10.879	ppb	96	
14) Methylene chloride	2.73	84	23810	10.881	ppb	89	
15) t-Butyl alcohol (TBA)	2.86	59	16527	52.961	ppb	91	
16) Methyl t-butyl ether (...)	2.98	73	62315	10.532	ppb	98	
17) trans-1,2-Dichloroethene	2.97	96	22543	10.489	ppb	# 79	
18) Diisopropyl ether (DIPE)	3.40	45	54758	10.118	ppb	95	
19) 1,1-Dichloroethane	3.32	63	34268	10.501	ppb	98	
20) Ethyl t-butyl ether (E...)	3.70	87	26913	10.397	ppb	87	
21) 2,2-Dichloropropane	3.81	77	25405	12.117	ppb	91	
22) cis-1,2-Dichloroethene	3.80	96	24793	10.656	ppb	# 80	
23) Chloroform	4.08	83	38747	10.958	ppb	99	
24) 2-Butanone (MEK)	3.83	43	63457	55.984	ppb	91	
25) t-Amyl methyl ether (T...)	4.65	73	60466	10.302	ppb	97	
26) 1,2-Dichloroethane (EDC)	4.55	62	28590	10.713	ppb	97	
27) 1,1,1-Trichloroethane	4.23	97	34823	10.739	ppb	94	
28) 1,1-Dichloropropene	4.37	75	29531	10.820	ppb	87	
29) Carbon tetrachloride	4.37	117	32801	11.237	ppb	99	
31) Benzene	4.54	78	83700	10.689	ppb	95	
32) Trichloroethene	5.09	95	24272	10.687	ppb	# 75	
33) 1,2-Dichloropropane	5.27	63	19286	11.133	ppb	98	
34) Bromodichloromethane	5.51	83	27574	10.488	ppb	94	
36) Dibromomethane	5.37	93	14928	11.361	ppb	82	

Data Path : Y:\Proc_GCMS4\11-18-22\
 Data File : 111802.D
 Acq On : 18 Nov 2022 5:48 am
 Operator : lm
 Sample : 10 ppb 8260 CCV 67-150N
 Misc : soil/water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS4

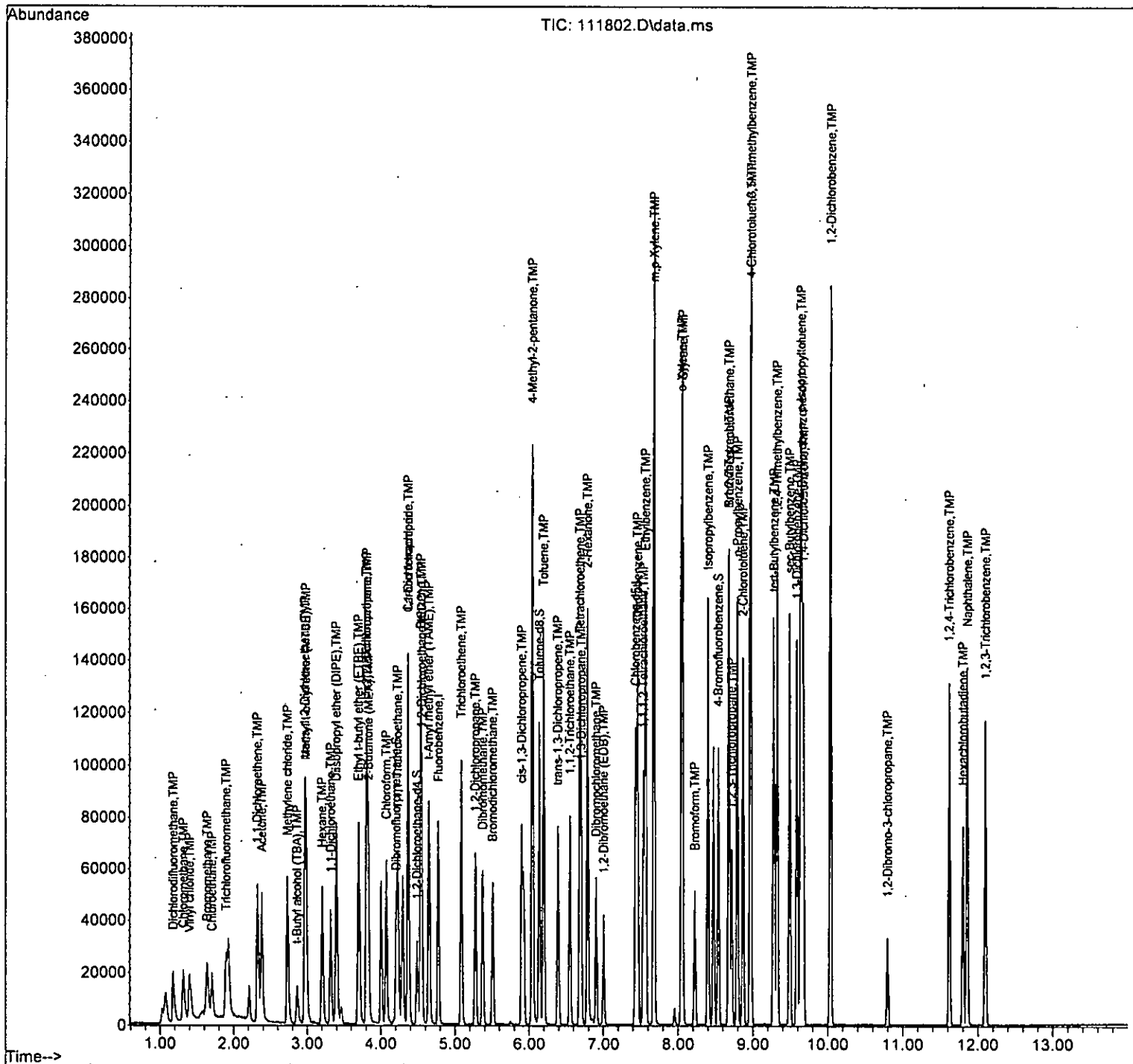
Quant Time: Nov 18 07:07:40 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	6.04	85	25125	53.648	ppb #	74
38) cis-1,3-Dichloropropene	5.90	75	32883	10.708	ppb	90
40) Toluene	6.19	92	53168	9.623	ppb	97
41) trans-1,3-Dichloropropene	6.39	75	30436	9.642	ppb	92
42) 1,1,2-Trichloroethane	6.55	83	16557	9.894	ppb	92
43) 2-Hexanone	6.79	43	82511	45.100	ppb	96
44) 1,3-Dichloropropane	6.70	76	30875	9.653	ppb	99
45) Tetrachloroethene	6.69	164	25415	10.332	ppb	98
46) Dibromochloromethane	6.90	129	25827	10.715	ppb	98
47) 1,2-Dibromoethane (EDB)	7.00	107	22156	9.745	ppb	99
48) Chlorobenzene	7.46	112	65526	9.996	ppb	86
49) Ethylbenzene	7.56	91	101709	9.654	ppb	93
50) 1,1,1,2-Tetrachloroethane	7.54	131	23890	9.833	ppb	95
51) m,p-Xylene	7.67	106	84341	19.803	ppb	89
52) o-Xylene	8.05	106	41268	9.752	ppb	84
53) Styrene	8.06	104	68480	9.534	ppb	90
54) Isopropylbenzene	8.40	105	99852	9.312	ppb	92
55) Bromoform	8.22	173	21839	11.156	ppb	96
58) n-Propylbenzene	8.79	91	113510	9.439	ppb	90
59) Bromobenzene	8.68	156	34269	9.849	ppb #	77
60) 1,3,5-Trimethylbenzene	8.97	105	85486	9.631	ppb	85
61) 1,1,2,2-Tetrachloroethane	8.68	83	29239	9.547	ppb	95
62) 1,2,3-Trichloropropane	8.72	75	22991	9.912	ppb	98
63) 2-Chlorotoluene	8.87	91	67901	9.458	ppb	87
64) 4-Chlorotoluene	8.97	91	80281	9.378	ppb	83
65) tert-Butylbenzene	9.28	119	75605	9.649	ppb	83
66) 1,2,4-Trimethylbenzene	9.32	105	88867	9.613	ppb	93
67) sec-Butylbenzene	9.49	105	101848	9.681	ppb	95
68) p-Isopropyltoluene	9.64	119	92753	9.666	ppb	92
69) 1,3-Dichlorobenzene	9.59	146	61213	9.920	ppb	94
70) 1,4-Dichlorobenzene	9.67	146	60418	9.492	ppb	94
71) 1,2-Dichlorobenzene	10.03	146	58748	9.695	ppb	92
72) 1,2-Dibromo-3-chloropr...	10.80	75	6242	9.831	ppb #	57
73) 1,2,4-Trichlorobenzene	11.62	180	42942	9.416	ppb	95
74) Hexachlorobutadiene	11.80	225	16641	9.466	ppb	99
75) Naphthalene	11.86	128	103084	9.176	ppb	99
76) 1,2,3-Trichlorobenzene	12.10	180	39100	9.059	ppb	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS4\11-18-22\
Data File : 111802.D
Acq On : 18 Nov 2022 5:48 am
Operator : lm
Sample : 10 ppb 8260 CCV 67-150N
Misc : soil/water
ALS Vial : 2 Sample Multiplier: 1
InstName : GCMS4

Quant Time: Nov 18 07:07:40 2022
Quant Method : Y:\Methods\Inst4\VB110822ms4.M
Quant Title : 8260 Purge & Trap Volatiles
QLast Update : Tue Nov 08 16:47:05 2022
Response via : Initial Calibration
DataAcq Meth:8260VM1.M



Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS4\11-18-22\
 Data File : 111802.D
 Acq On : 18 Nov 2022 5:48 am
 Operator : lm
 Sample : 10 ppb 8260 CCV 67-150N
 Misc : soil/water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 18 07:07:40 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I Fluorobenzene	10.000	10.000	0.0	71	0.00
2 TMP Ethanol	-1.000	0.000	0.0	0	-1.07#
3 S Dibromofluoromethane	10.000	10.461	-4.6	72	0.00
4 TMP Dichlorodifluoromethane	10.000	9.902	1.0	64	0.00
5 TMP Chloromethane	10.000	10.656	-6.6	71	0.00
6 TMP Vinyl chloride	10.000	11.375	-13.8	74	0.00
7 TMP Bromomethane	10.000	20.004	-100.0#	136	0.02
8 TMP Chloroethane	10.000	11.853	-18.5	83	0.01
9 TMP Trichlorofluoromethane	10.000	12.285	-22.9#	85	0.00
10 TMP 2-Propanol	-1.000	0.000	0.0	0	0.00
11 TMP Acetone	50.000	105.157	-110.3#	120	0.00
12 TMP 1,1-Dichloroethene	10.000	10.690	-6.9	78	0.00
13 TMP Hexane	10.000	10.879	-8.8	78	0.00
14 TMP Methylene chloride	10.000	10.881	-8.8	74	0.00
15 TMP t-Butyl alcohol (TBA)	50.000	52.961	-5.9	74	0.00
16 TMP Methyl t-butyl ether (MTBE)	10.000	10.532	-5.3	73	0.00
17 TMP trans-1,2-Dichloroethene	10.000	10.489	-4.9	75	0.00
18 TMP Diisopropyl ether (DIPE)	10.000	10.118	-1.2	73	0.00
19 TMP 1,1-Dichloroethane	10.000	10.501	-5.0	74	0.00
20 TMP Ethyl t-butyl ether (ETBE)	10.000	10.397	-4.0	73	0.00
21 TMP 2,2-Dichloropropane	10.000	12.117	-21.2#	82	0.00
22 TMP cis-1,2-Dichloroethene	10.000	10.656	-6.6	78	0.00
23 TMP Chloroform	10.000	10.958	-9.6	76	0.00
24 TMP 2-Butanone (MEK)	50.000	55.984	-12.0	85	0.00
25 TMP t-Amyl methyl ether (TAME)	10.000	10.302	-3.0	72	0.00
26 TMP 1,2-Dichloroethane (EDC)	10.000	10.713	-7.1	77	0.00
27 TMP 1,1,1-Trichloroethane	10.000	10.739	-7.4	76	0.00
28 TMP 1,1-Dichloropropene	10.000	10.820	-8.2	78	0.00
29 TMP Carbon tetrachloride	10.000	11.237	-12.4	81	0.00
30 S 1,2-Dichloroethane-d4	10.000	9.583	4.2	67	0.00
31 TMP Benzene	10.000	10.689	-6.9	77	0.00
32 TMP Trichloroethene	10.000	10.687	-6.9	79	0.00
33 TMP 1,2-Dichloropropane	10.000	11.133	-11.3	78	0.00
34 TMP Bromodichloromethane	10.000	10.488	-4.9	76	0.00
35 S Toluene-d8	10.000	10.622	-6.2	75	0.00
36 TMP Dibromomethane	10.000	11.361	-13.6	79	0.00
37 TMP 4-Methyl-2-pentanone	50.000	53.648	-7.3	77	0.00
38 TMP cis-1,3-Dichloropropene	10.000	10.708	-7.1	76	0.00
39 I Chlorobenzene-d5	10.000	10.000	0.0	78	0.00
40 TMP Toluene	10.000	9.623	3.8	77	0.00
41 TMP trans-1,3-Dichloropropene	10.000	9.642	3.6	76	0.00
42 TMP 1,1,2-Trichloroethane	10.000	9.894	1.1	79	0.00
43 TMP 2-Hexanone	50.000	45.100	9.8	72	0.00

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS4\11-18-22\
 Data File : 111802.D
 Acq On : 18 Nov 2022 5:48 am
 Operator : lm
 Sample : 10 ppb 8260 CCV 67-150N
 Misc : soil/water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 18 07:07:40 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	10.000	9.653	3.5	77	0.00
45 TMP Tetrachloroethene	10.000	10.332	-3.3	83	0.00
46 TMP Dibromochloromethane	10.000	10.715	-7.1	83	0.00
47 TMP 1,2-Dibromoethane (EDB)	10.000	9.745	2.6	77	0.00
48 TMP Chlorobenzene	10.000	9.996	0.0	79	0.00
49 TMP Ethylbenzene	10.000	9.654	3.5	77	0.00
50 TMP 1,1,1,2-Tetrachloroethane	10.000	9.833	1.7	77	0.00
51 TMP m,p-Xylene	20.000	19.803	1.0	79	0.00
52 TMP o-Xylene	10.000	9.752	2.5	78	0.00
53 TMP Styrene	10.000	9.534	4.7	74	0.00
54 TMP Isopropylbenzene	10.000	9.312	6.9	74	0.00
55 TMP Bromoform	10.000	11.156	-11.6	83	0.00
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	78	0.00
57 S 4-Bromofluorobenzene	10.000	9.978	0.2	78	0.00
58 TMP n-Propylbenzene	10.000	9.439	5.6	76	0.00
59 TMP Bromobenzene	10.000	9.849	1.5	77	0.00
60 TMP 1,3,5-Trimethylbenzene	10.000	9.631	3.7	78	0.00
61 TMP 1,1,2,2-Tetrachloroethane	10.000	9.547	4.5	74	0.00
62 TMP 1,2,3-Trichloropropane	10.000	9.912	0.9	76	0.00
63 TMP 2-Chlorotoluene	10.000	9.458	5.4	76	0.00
64 TMP 4-Chlorotoluene	10.000	9.378	6.2	75	0.00
65 TMP tert-Butylbenzene	10.000	9.649	3.5	77	0.00
66 TMP 1,2,4-Trimethylbenzene	10.000	9.613	3.9	78	0.00
67 TMP sec-Butylbenzene	10.000	9.681	3.2	78	0.00
68 TMP p-Isopropyltoluene	10.000	9.666	3.3	78	0.00
69 TMP 1,3-Dichlorobenzene	10.000	9.920	0.8	78	0.00
70 TMP 1,4-Dichlorobenzene	10.000	9.492	5.1	76	0.00
71 TMP 1,2-Dichlorobenzene	10.000	9.695	3.0	77	0.00
72 TMP 1,2-Dibromo-3-chloropropane	10.000	9.831	1.7	76	0.00
73 TMP 1,2,4-Trichlorobenzene	10.000	9.416	5.8	75	0.00
74 TMP Hexachlorobutadiene	10.000	9.466	5.3	78	0.00
75 TMP Naphthalene	10.000	9.176	8.2	72	0.00
76 TMP 1,2,3-Trichlorobenzene	10.000	9.059	9.4	71	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS4\11-18-22\
 Data File : 111802.D
 Acq On : 18 Nov 2022 5:48 am
 Operator : lm
 Sample : 10 ppb 8260 CCV 67-150N
 Misc : soil/water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 18 07:07:40 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I Fluorobenzene	1.000	1.000	0.0	71	0.00
2 TMP Ethanol	0.000	0.000#	0.0	0#	-1.07#
3 S Dibromofluoromethane	0.275	0.288	-4.7	72	0.00
4 TMP Dichlorodifluoromethane	0.410	0.406	1.0	64	0.00
5 TMP Chloromethane	0.380	0.405	-6.6	71	0.00
6 TMP Vinyl chloride	0.360	0.410	-13.9	74	0.00
7 TMP Bromomethane	0.168	0.335	-99.4#	136	0.02
8 TMP Chloroethane	0.189	0.224	-18.5	83	0.01
9 TMP Trichlorofluoromethane	0.562	0.690	-22.8#	85	0.00
10 TMP 2-Propanol	0.000	0.000	0.0	0#	0.00
11 TMP Acetone	0.037	0.056	-51.4#	120	0.00
12 TMP 1,1-Dichloroethene	0.333	0.356	-6.9	78	0.00
13 TMP Hexane	0.348	0.379	-8.9	78	0.00
14 TMP Methylene chloride	0.369	0.391	-6.0	74	0.00
15 TMP t-Butyl alcohol (TBA)	0.051	0.054	-5.9	74	0.00
16 TMP Methyl t-butyl ether (MTBE)	0.971	1.023	-5.4	73	0.00
17 TMP trans-1,2-Dichloroethene	0.353	0.370	-4.8	75	0.00
18 TMP Diisopropyl ether (DIPE)	0.889	0.899	-1.1	73	0.00
19 TMP 1,1-Dichloroethane	0.536	0.563	-5.0	74	0.00
20 TMP Ethyl t-butyl ether (ETBE)	0.425	0.442	-4.0	73	0.00
21 TMP 2,2-Dichloropropane	0.352	0.417	-18.5	82	0.00
22 TMP cis-1,2-Dichloroethene	0.382	0.407	-6.5	78	0.00
23 TMP Chloroform	0.583	0.636	-9.1	76	0.00
24 TMP 2-Butanone (MEK)	0.186	0.208	-11.8	85	0.00
25 TMP t-Amyl methyl ether (TAME)	0.964	0.993	-3.0	72	0.00
26 TMP 1,2-Dichloroethane (EDC)	0.438	0.469	-7.1	77	0.00
27 TMP 1,1,1-Trichloroethane	0.532	0.572	-7.5	76	0.00
28 TMP 1,1-Dichloropropene	0.448	0.485	-8.3	78	0.00
29 TMP Carbon tetrachloride	0.479	0.539	-12.5	81	0.00
30 S 1,2-Dichloroethane-d4	0.063	0.061	3.2	67	0.00
31 TMP Benzene	1.286	1.374	-6.8	77	0.00
32 TMP Trichloroethene	0.373	0.399	-7.0	79	0.00
33 TMP 1,2-Dichloropropane	0.284	0.317	-11.6	78	0.00
34 TMP Bromodichloromethane	0.432	0.453	-4.9	76	0.00
35 S Toluene-d8	1.002	1.064	-6.2	75	0.00
36 TMP Dibromomethane	0.216	0.245	-13.4	79	0.00
37 TMP 4-Methyl-2-pentanone	0.077	0.083	-7.8	77	0.00
38 TMP cis-1,3-Dichloropropene	0.504	0.540	-7.1	76	0.00
39 I Chlorobenzene-d5	1.000	1.000	0.0	78	0.00
40 TMP Toluene	0.968	0.931	3.8	77	0.00
41 TMP trans-1,3-Dichloropropene	0.553	0.533	3.6	76	0.00
42 TMP 1,1,2-Trichloroethane	0.293	0.290	1.0	79	0.00
43 TMP 2-Hexanone	0.320	0.289	9.7	72	0.00

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS4\11-18-22\
 Data File : 111802.D
 Acq On : 18 Nov 2022 5:48 am
 Operator : lm
 Sample : 10 ppb 8260 CCV 67-150N
 Misc : soil/water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 18 07:07:40 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.560	0.541	3.4	77	0.00
45 TMP Tetrachloroethene	0.431	0.445	-3.2	83	0.00
46 TMP Dibromochloromethane	0.429	0.452	-5.4	83	0.00
47 TMP 1,2-Dibromoethane (EDB)	0.398	0.388	2.5	77	0.00
48 TMP Chlorobenzene	1.148	1.148	0.0	79	0.00
49 TMP Ethylbenzene	1.845	1.781	3.5	77	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.426	0.418	1.9	77	0.00
51 TMP m,p-Xylene	0.746	0.739	0.9	79	0.00
52 TMP o-Xylene	0.741	0.723	2.4	78	0.00
53 TMP Styrene	1.258	1.199	4.7	74	0.00
54 TMP Isopropylbenzene	1.878	1.749	6.9	74	0.00
55 TMP Bromoform	0.362	0.383	-5.8	83	0.00
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	78	0.00
57 S 4-Bromofluorobenzene	0.701	0.700	0.1	78	0.00
58 TMP n-Propylbenzene	3.165	2.988	5.6	76	0.00
59 TMP Bromobenzene	0.916	0.902	1.5	77	0.00
60 TMP 1,3,5-Trimethylbenzene	2.336	2.250	3.7	78	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.806	0.770	4.5	74	0.00
62 TMP 1,2,3-Trichloropropane	0.610	0.605	0.8	76	0.00
63 TMP 2-Chlorotoluene	1.890	1.787	5.4	76	0.00
64 TMP 4-Chlorotoluene	2.253	2.113	6.2	75	0.00
65 TMP tert-Butylbenzene	2.062	1.990	3.5	77	0.00
66 TMP 1,2,4-Trimethylbenzene	2.433	2.339	3.9	78	0.00
67 TMP sec-Butylbenzene	2.769	2.681	3.2	78	0.00
68 TMP p-Isopropyltoluene	2.526	2.441	3.4	78	0.00
69 TMP 1,3-Dichlorobenzene	1.624	1.611	0.8	78	0.00
70 TMP 1,4-Dichlorobenzene	1.675	1.590	5.1	76	0.00
71 TMP 1,2-Dichlorobenzene	1.595	1.546	3.1	77	0.00
72 TMP 1,2-Dibromo-3-chloropropane	0.167	0.164	1.8	76	0.00
73 TMP 1,2,4-Trichlorobenzene	1.200	1.130	5.8	75	0.00
74 TMP Hexachlorobutadiene	0.463	0.438	5.4	78	0.00
75 TMP Naphthalene	2.957	2.713	8.3	72	0.00
76 TMP 1,2,3-Trichlorobenzene	1.136	1.029	9.4	71	0.00

(#) = Out of Range

SPCC's out = 1 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS4\11-18-22\
 Data File : 111810.D
 Acq On : 18 Nov 2022 5:45 pm
 Operator : lm
 Sample : 10 ppb 8260 CCV 67-192N
 Misc : soil/water
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 22 09:07:50 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I Fluorobenzene	10.000	10.000	0.0	67	0.00
2 TMP Ethanol	-1.000	0.000	0.0	24	0.02
3 S Dibromofluoromethane	10.000	10.137	-1.4	67	0.00
4 TMP Dichlorodifluoromethane	10.000	12.303	-23.0#	76	0.00
5 TMP Chloromethane	10.000	12.443	-24.4#	79	0.00
6 TMP Vinyl chloride	10.000	12.893	-28.9#	80	0.00
7 TMP Bromomethane	10.000	11.616	-16.2	75	0.00
8 TMP Chloroethane	10.000	12.511	-25.1#	83	0.00
9 TMP Trichlorofluoromethane	10.000	14.094	-40.9#	93	0.00
10 TMP 2-Propanol	-1.000	0.000	0.0	0	0.00
11 TMP Acetone	50.000	108.631	-117.3#	118	0.00
12 TMP 1,1-Dichloroethene	10.000	11.267	-12.7	78	0.00
13 TMP Hexane	10.000	12.539	-25.4#	86	0.00
14 TMP Methylene chloride	10.000	12.881	-28.8#	81	0.00
15 TMP t-Butyl alcohol (TBA)	50.000	63.128	-26.3#	84	0.00
16 TMP Methyl t-butyl ether (MTBE)	10.000	11.544	-15.4	76	0.00
17 TMP trans-1,2-Dichloroethene	10.000	11.153	-11.5	76	0.00
18 TMP Diisopropyl ether (DIPE)	10.000	11.273	-12.7	77	0.00
19 TMP 1,1-Dichloroethane	10.000	11.563	-15.6	78	0.00
20 TMP Ethyl t-butyl ether (ETBE)	10.000	11.388	-13.9	76	0.00
21 TMP 2,2-Dichloropropane	10.000	13.078	-30.8#	84	0.00
22 TMP cis-1,2-Dichloroethene	10.000	11.444	-14.4	79	0.00
23 TMP Chloroform	10.000	11.821	-18.2	78	0.00
24 TMP 2-Butanone (MEK)	50.000	59.681	-19.4	86	0.00
25 TMP t-Amyl methyl ether (TAME)	10.000	11.281	-12.8	75	0.00
26 TMP 1,2-Dichloroethane (EDC)	10.000	11.745	-17.4	80	0.00
27 TMP 1,1,1-Trichloroethane	10.000	11.633	-16.3	78	0.00
28 TMP 1,1-Dichloropropene	10.000	11.859	-18.6	82	0.00
29 TMP Carbon tetrachloride	10.000	12.091	-20.9#	83	0.00
30 S 1,2-Dichloroethane-d4	10.000	9.910	0.9	66	0.00
31 TMP Benzene	10.000	11.928	-19.3	82	0.00
32 TMP Trichloroethene	10.000	11.474	-14.7	81	0.00
33 TMP 1,2-Dichloropropane	10.000	12.183	-21.8#	81	0.00
34 TMP Bromodichloromethane	10.000	11.666	-16.7	81	0.00
35 S Toluene-d8	10.000	10.793	-7.9	72	0.00
36 TMP Dibromomethane	10.000	12.312	-23.1#	82	0.00
37 TMP 4-Methyl-2-pentanone	50.000	58.415	-16.8	80	0.00
38 TMP cis-1,3-Dichloropropene	10.000	11.934	-19.3	80	0.00
39 I Chlorobenzene-d5	10.000	10.000	0.0	76	0.00
40 TMP Toluene	10.000	10.667	-6.7	83	0.00
41 TMP trans-1,3-Dichloropropene	10.000	10.698	-7.0	82	0.00
42 TMP 1,1,2-Trichloroethane	10.000	10.880	-8.8	84	0.00
43 TMP 2-Hexanone	50.000	47.276	5.4	72	0.00

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS4\11-18-22\
 Data File : 111810.D
 Acq On : 18 Nov 2022 5:45 pm
 Operator : lm
 Sample : 10 ppb 8260 CCV 67-192N
 Misc : soil/water
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 22 09:07:50 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	10.000	10.630	-6.3	82	0.00
45 TMP Tetrachloroethene	10.000	11.121	-11.2	87	0.00
46 TMP Dibromochloromethane	10.000	11.207	-12.1	84	0.00
47 TMP 1,2-Dibromoethane (EDB)	10.000	10.833	-8.3	82	0.00
48 TMP Chlorobenzene	10.000	10.954	-9.5	83	0.00
49 TMP Ethylbenzene	10.000	10.611	-6.1	82	0.00
50 TMP 1,1,1,2-Tetrachloroethane	10.000	10.376	-3.8	79	0.00
51 TMP m,p-Xylene	20.000	21.491	-7.5	83	0.00
52 TMP o-Xylene	10.000	10.666	-6.7	82	0.00
53 TMP Styrene	10.000	10.356	-3.6	78	0.00
54 TMP Isopropylbenzene	10.000	10.034	-0.3	77	0.00
55 TMP Bromoform	10.000	11.831	-18.3	85	0.00
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	76	0.00
57 S 4-Bromofluorobenzene	10.000	9.941	0.6	75	0.00
58 TMP n-Propylbenzene	10.000	10.362	-3.6	80	0.00
59 TMP Bromobenzene	10.000	10.674	-6.7	80	0.00
60 TMP 1,3,5-Trimethylbenzene	10.000	10.274	-2.7	80	0.00
61 TMP 1,1,2,2-Tetrachloroethane	10.000	10.380	-3.8	78	0.00
62 TMP 1,2,3-Trichloropropane	10.000	10.525	-5.3	78	0.00
63 TMP 2-Chlorotoluene	10.000	10.358	-3.6	80	0.00
64 TMP 4-Chlorotoluene	10.000	10.229	-2.3	79	0.00
65 TMP tert-Butylbenzene	10.000	10.415	-4.1	80	0.00
66 TMP 1,2,4-Trimethylbenzene	10.000	10.289	-2.9	80	0.00
67 TMP sec-Butylbenzene	10.000	10.307	-3.1	80	0.00
68 TMP p-Isopropyltoluene	10.000	10.357	-3.6	81	0.00
69 TMP 1,3-Dichlorobenzene	10.000	10.663	-6.6	81	0.00
70 TMP 1,4-Dichlorobenzene	10.000	10.198	-2.0	79	0.00
71 TMP 1,2-Dichlorobenzene	10.000	10.192	-1.9	78	0.00
72 TMP 1,2-Dibromo-3-chloropropane	10.000	10.448	-4.5	78	0.00
73 TMP 1,2,4-Trichlorobenzene	10.000	10.500	-5.0	81	0.00
74 TMP Hexachlorobutadiene	10.000	11.075	-10.7	88	0.00
75 TMP Naphthalene	10.000	10.113	-1.1	77	0.00
76 TMP 1,2,3-Trichlorobenzene	10.000	10.459	-4.6	79	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS4\11-18-22\
 Data File : 111810.D
 Acq On : 18 Nov 2022 5:45 pm
 Operator : lm
 Sample : 10 ppb 8260 CCV 67-192N
 Misc : soil/water
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 22 09:07:50 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I Fluorobenzene	1.000	1.000	0.0	67	0.00
2 TMP Ethanol	0.000	0.000#	0.0	24#	0.02
3 S Dibromofluoromethane	0.275	0.279	-1.5	67	0.00
4 TMP Dichlorodifluoromethane	0.410	0.504	-22.9#	76	0.00
5 TMP Chloromethane	0.380	0.473	-24.5#	79	0.00
6 TMP Vinyl chloride	0.360	0.465	-29.2#	80	0.00
7 TMP Bromomethane	0.168	0.195	-16.1	75	0.00
8 TMP Chloroethane	0.189	0.236	-24.9#	83	0.00
9 TMP Trichlorofluoromethane	0.562	0.792	-40.9#	93	0.00
10 TMP 2-Propanol	0.000	0.000	0.0	0#	0.00
11 TMP Acetone	0.037	0.058	-56.8#	118	0.00
12 TMP 1,1-Dichloroethene	0.333	0.376	-12.9	78	0.00
13 TMP Hexane	0.348	0.437	-25.6#	86	0.00
14 TMP Methylene chloride	0.369	0.454	-23.0#	81	0.00
15 TMP t-Butyl alcohol (TBA)	0.051	0.065	-27.5#	84	0.00
16 TMP Methyl t-butyl ether (MTBE)	0.971	1.121	-15.4	76	0.00
17 TMP trans-1,2-Dichloroethene	0.353	0.394	-11.6	76	0.00
18 TMP Diisopropyl ether (DIPE)	0.889	1.002	-12.7	77	0.00
19 TMP 1,1-Dichloroethane	0.536	0.619	-15.5	78	0.00
20 TMP Ethyl t-butyl ether (ETBE)	0.425	0.484	-13.9	76	0.00
21 TMP 2,2-Dichloropropane	0.352	0.450	-27.8#	84	0.00
22 TMP cis-1,2-Dichloroethene	0.382	0.437	-14.4	79	0.00
23 TMP Chloroform	0.583	0.686	-17.7	78	0.00
24 TMP 2-Butanone (MEK)	0.186	0.222	-19.4	86	0.00
25 TMP t-Amyl methyl ether (TAME)	0.964	1.087	-12.8	75	0.00
26 TMP 1,2-Dichloroethane (EDC)	0.438	0.515	-17.6	80	0.00
27 TMP 1,1,1-Trichloroethane	0.532	0.619	-16.4	78	0.00
28 TMP 1,1-Dichloropropene	0.448	0.531	-18.5	82	0.00
29 TMP Carbon tetrachloride	0.479	0.579	-20.9#	83	0.00
30 S 1,2-Dichloroethane-d4	0.063	0.063	0.0	66	0.00
31 TMP Benzene	1.286	1.533	-19.2	82	0.00
32 TMP Trichloroethene	0.373	0.428	-14.7	81	0.00
33 TMP 1,2-Dichloropropane	0.284	0.347	-22.2#	81	0.00
34 TMP Bromodichloromethane	0.432	0.504	-16.7	81	0.00
35 S Toluene-d8	1.002	1.081	-7.9	72	0.00
36 TMP Dibromomethane	0.216	0.266	-23.1#	82	0.00
37 TMP 4-Methyl-2-pentanone	0.077	0.090	-16.9	80	0.00
38 TMP cis-1,3-Dichloropropene	0.504	0.602	-19.4	80	0.00
39 I Chlorobenzene-d5	1.000	1.000	0.0	76	0.00
40 TMP Toluene	0.968	1.032	-6.6	83	0.00
41 TMP trans-1,3-Dichloropropene	0.553	0.591	-6.9	82	0.00
42 TMP 1,1,2-Trichloroethane	0.293	0.319	-8.9	84	0.00
43 TMP 2-Hexanone	0.320	0.303	5.3	72	0.00

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS4\11-18-22\
 Data File : 111810.D
 Acq On : 18 Nov 2022 5:45 pm
 Operator : lm
 Sample : 10 ppb 8260 CCV 67-192N
 Misc : soil/water
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 22 09:07:50 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.560	0.596	-6.4	82	0.00
45 TMP Tetrachloroethene	0.431	0.479	-11.1	87	0.00
46 TMP Dibromochloromethane	0.429	0.473	-10.3	84	0.00
47 TMP 1,2-Dibromoethane (EDB)	0.398	0.431	-8.3	82	0.00
48 TMP Chlorobenzene	1.148	1.258	-9.6	83	0.00
49 TMP Ethylbenzene	1.845	1.958	-6.1	82	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.426	0.442	-3.8	79	0.00
51 TMP m,p-Xylene	0.746	0.802	-7.5	83	0.00
52 TMP o-Xylene	0.741	0.791	-6.7	82	0.00
53 TMP Styrene	1.258	1.303	-3.6	78	0.00
54 TMP Isopropylbenzene	1.878	1.884	-0.3	77	0.00
55 TMP Bromoform	0.362	0.406	-12.2	85	0.00
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	76	0.00
57 S 4-Bromofluorobenzene	0.701	0.697	0.6	75	0.00
58 TMP n-Propylbenzene	3.165	3.280	-3.6	80	0.00
59 TMP Bromobenzene	0.916	0.978	-6.8	80	0.00
60 TMP 1,3,5-Trimethylbenzene	2.336	2.400	-2.7	80	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.806	0.837	-3.8	78	0.00
62 TMP 1,2,3-Trichloropropane	0.610	0.642	-5.2	78	0.00
63 TMP 2-Chlorotoluene	1.890	1.957	-3.5	80	0.00
64 TMP 4-Chlorotoluene	2.253	2.305	-2.3	79	0.00
65 TMP tert-Butylbenzene	2.062	2.148	-4.2	80	0.00
66 TMP 1,2,4-Trimethylbenzene	2.433	2.503	-2.9	80	0.00
67 TMP sec-Butylbenzene	2.769	2.854	-3.1	80	0.00
68 TMP p-Isopropyltoluene	2.526	2.616	-3.6	81	0.00
69 TMP 1,3-Dichlorobenzene	1.624	1.732	-6.7	81	0.00
70 TMP 1,4-Dichlorobenzene	1.675	1.709	-2.0	79	0.00
71 TMP 1,2-Dichlorobenzene	1.595	1.626	-1.9	78	0.00
72 TMP 1,2-Dibromo-3-chloropropane	0.167	0.175	-4.8	78	0.00
73 TMP 1,2,4-Trichlorobenzene	1.200	1.260	-5.0	81	0.00
74 TMP Hexachlorobutadiene	0.463	0.512	-10.6	88	0.00
75 TMP Naphthalene	2.957	2.990	-1.1	77	0.00
76 TMP 1,2,3-Trichlorobenzene	1.136	1.188	-4.6	79	0.00

(#) = Out of Range

SPCC's out = 1 CCC's out = 0

Data Path : Y:\Proc_GCMS4\11-18-22\
 Data File : 111810.D
 Acq On : 18 Nov 2022 5:45 pm
 Operator : lm
 Sample : 10 ppb 8260 CCV 67-192N
 Misc : soil/water
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 22 09:07:50 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	4.77	96	57896	10.000	ppb	0.00
39) Chlorobenzene-d5	7.43	117	55214	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.65	152	36746	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.21	113	16134	10.137	ppb	0.00
Spiked Amount	10.000	Range	0 - 1000	Recovery	=	101.40%
30) 1,2-Dichloroethane-d4	4.49	102	3643	9.910	ppb	0.00
Spiked Amount	10.000	Range	90 - 109	Recovery	=	99.10%
35) Toluene-d8	6.14	98	62595	10.793	ppb	0.00
Spiked Amount	10.000	Range	89 - 112	Recovery	=	107.90%
57) 4-Bromofluorobenzene	8.54	95	25618	9.941	ppb	0.00
Spiked Amount	10.000	Range	84 - 115	Recovery	=	99.40%
Target Compounds						
2) Ethanol	1.08	45	880	No Calib	#	
4) Dichlorodifluoromethane	1.18	85	29176	12.303	ppb	100
5) Chloromethane	1.32	50	27360	12.443	ppb	100
6) Vinyl chloride	1.40	62	26894	12.893	ppb	98
7) Bromomethane	1.63	94	11266	11.616	ppb	98
8) Chloroethane	1.70	64	13686	12.511	ppb	97
9) Trichlorofluoromethane	1.89	101	45834m	14.094	ppb	
10) 2-Propanol	2.98	45	3073	No Calib		
11) Acetone	2.39	58	16903	108.631	ppb	# 84
12) 1,1-Dichloroethene	2.32	96	21746	11.267	ppb	# 78
13) Hexane	3.20	57	25299	12.539	ppb	95
14) Methylene chloride	2.73	84	26256	12.881	ppb	87
15) t-Butyl alcohol (TBA)	2.87	59	18726	63.128	ppb	98
16) Methyl t-butyl ether (...)	2.99	73	64928	11.544	ppb	98
17) trans-1,2-Dichloroethene	2.97	96	22786	11.153	ppb	84
18) Diisopropyl ether (DIPE)	3.40	45	57992	11.273	ppb	95
19) 1,1-Dichloroethane	3.32	63	35866	11.563	ppb	98
20) Ethyl t-butyl ether (E...)	3.70	87	28019	11.388	ppb	85
21) 2,2-Dichloropropane	3.81	77	26027	13.078	ppb	94
22) cis-1,2-Dichloroethene	3.80	96	25310	11.444	ppb	# 82
23) Chloroform	4.08	83	39729	11.821	ppb	99
24) 2-Butanone (MEK)	3.83	43	64303	59.681	ppb	94
25) t-Amyl methyl ether (T...)	4.65	73	62938	11.281	ppb	99
26) 1,2-Dichloroethane (EDC)	4.55	62	29794	11.745	ppb	95
27) 1,1,1-Trichloroethane	4.23	97	35857	11.633	ppb	93
28) 1,1-Dichloropropene	4.36	75	30767	11.859	ppb	90
29) Carbon tetrachloride	4.37	117	33550	12.091	ppb	97
31) Benzene	4.54	78	88779	11.928	ppb	95
32) Trichloroethene	5.09	95	24770	11.474	ppb	# 76
33) 1,2-Dichloropropane	5.27	63	20062	12.183	ppb	99
34) Bromodichloromethane	5.51	83	29156	11.666	ppb	97
36) Dibromomethane	5.37	93	15378	12.312	ppb	89

Data Path : Y:\Proc_GCMS4\11-18-22\
 Data File : 111810.D
 Acq On : 18 Nov 2022 5:45 pm
 Operator : lm
 Sample : 10 ppb 8260 CCV.67-192N
 Misc : soil/water
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 22 09:07:50 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

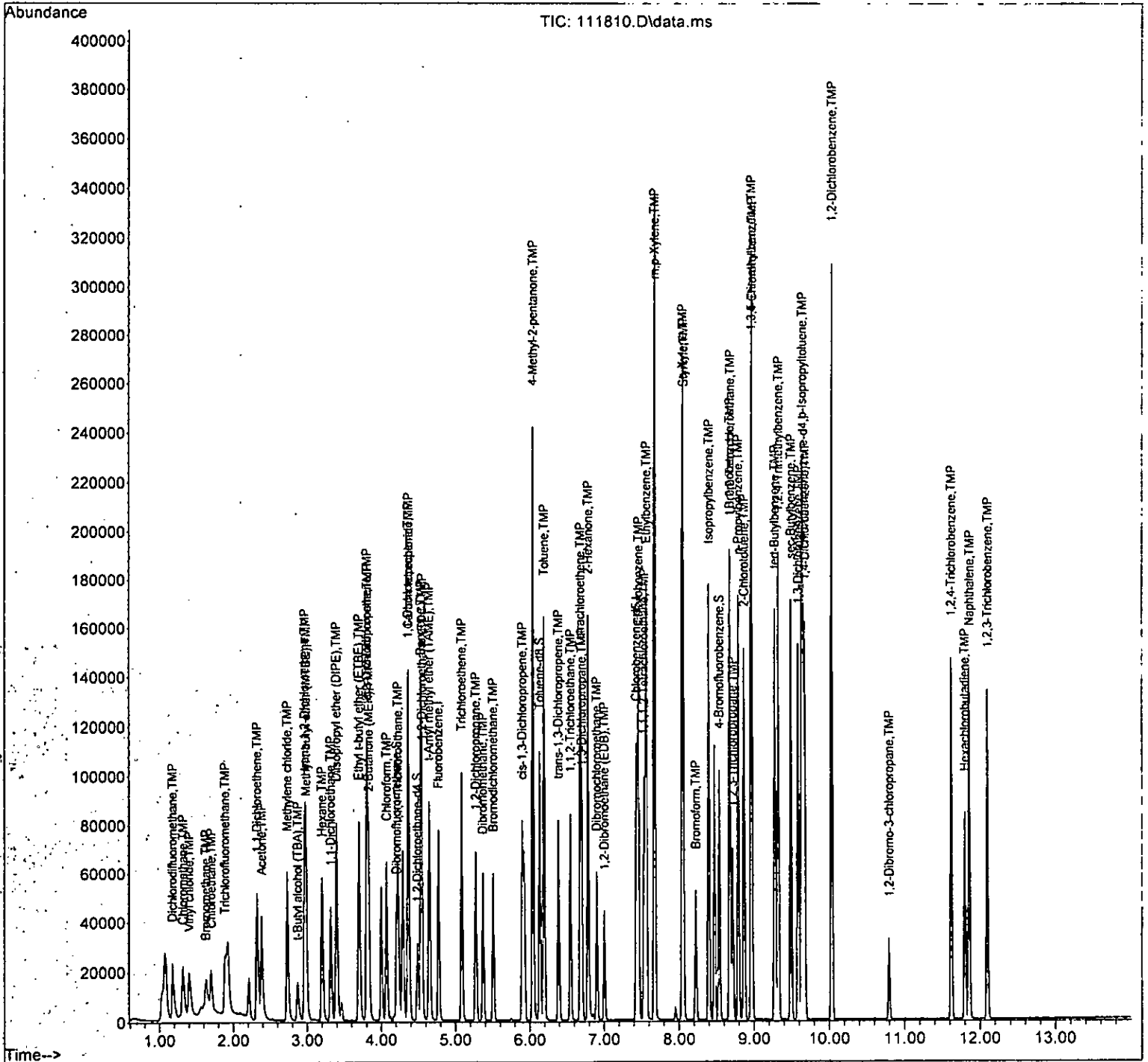
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	6.04	85	26005	58.415	ppb	# 79
38) cis-1,3-Dichloropropene	5.90	75	34838	11.934	ppb	90
40) Toluene	6.19	92	56996	10.667	ppb	98
41) trans-1,3-Dichloropropene	6.39	75	32656	10.698	ppb	92
42) 1,1,2-Trichloroethane	6.55	83	17606	10.880	ppb	92
43) 2-Hexanone	6.79	43	83642	47.276	ppb	98
44) 1,3-Dichloropropane	6.70	76	32881	10.630	ppb	98
45) Tetrachloroethene	6.68	164	26454	11.121	ppb	96
46) Dibromochloromethane	6.90	129	26138	11.207	ppb	99
47) 1,2-Dibromoethane (EDB)	7.00	107	23817	10.833	ppb	100
48) Chlorobenzene	7.46	112	69436	10.954	ppb	89
49) Ethylbenzene	7.56	91	108105	10.611	ppb	93
50) 1,1,1,2-Tetrachloroethane	7.54	131	24381	10.376	ppb	96
51) m,p-Xylene	7.67	106	88512	21.491	ppb	88
52) o-Xylene	8.05	106	43650	10.666	ppb	88
53) Styrene	8.06	104	71932	10.356	ppb	89
54) Isopropylbenzene	8.40	105	104044	10.034	ppb	94
55) Bromoform	8.22	173	22422	11.831	ppb	96
58) n-Propylbenzene	8.79	91	120522	10.362	ppb	94
59) Bromobenzene	8.67	156	35921	10.674	ppb	# 84
60) 1,3,5-Trimethylbenzene	8.96	105	88201	10.274	ppb	89
61) 1,1,2,2-Tetrachloroethane	8.68	83	30746	10.380	ppb	94
62) 1,2,3-Trichloropropane	8.72	75	23609	10.525	ppb	99
63) 2-Chlorotoluene	8.87	91	71917	10.358	ppb	84
64) 4-Chlorotoluene	8.97	91	84689	10.229	ppb	85
65) tert-Butylbenzene	9.27	119	78928	10.415	ppb	85
66) 1,2,4-Trimethylbenzene	9.32	105	91985	10.289	ppb	90
67) sec-Butylbenzene	9.49	105	104873	10.307	ppb	92
68) p-Isopropyltoluene	9.64	119	96116	10.357	ppb	92
69) 1,3-Dichlorobenzene	9.59	146	63634	10.663	ppb	92
70) 1,4-Dichlorobenzene	9.67	146	62784	10.198	ppb	95
71) 1,2-Dichlorobenzene	10.03	146	59733	10.192	ppb	95
72) 1,2-Dibromo-3-chloropr...	10.80	75	6416	10.448	ppb	# 63
73) 1,2,4-Trichlorobenzene	11.62	180	46312	10.500	ppb	96
74) Hexachlorobutadiene	11.80	225	18829	11.075	ppb	98
75) Naphthalene	11.86	128	109876	10.113	ppb	99
76) 1,2,3-Trichlorobenzene	12.10	180	43660	10.459	ppb	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS4\11-18-22\
 Data File : 111810.D
 Acq On : 18 Nov 2022 5:45 pm
 Operator : lm
 Sample : 10 ppb 8260 CCV 67-192N
 Misc : soil/water
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS4

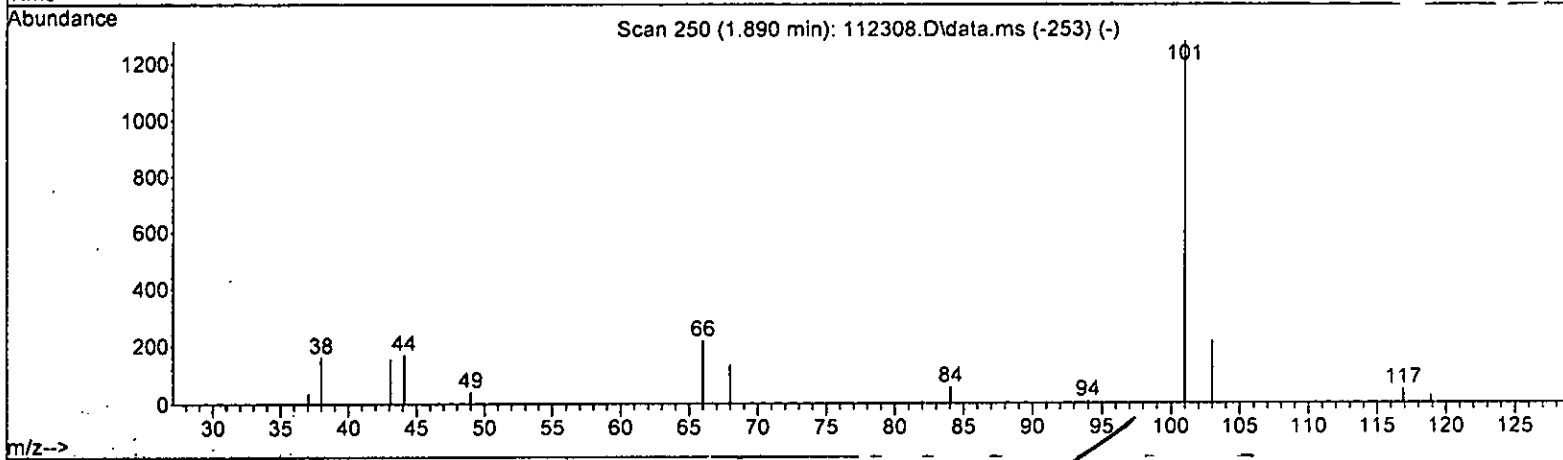
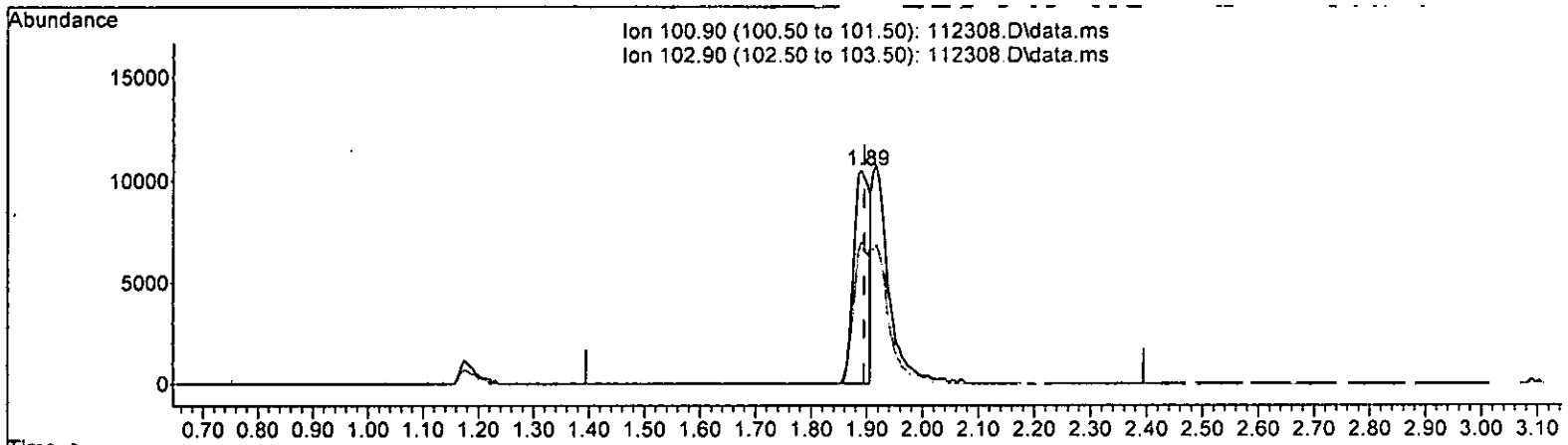
Quant Time: Nov 22 09:07:50 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS4\11-23-22\
 Data File : 112308.D
 Acq On : 23 Nov 2022 4:15 pm
 Operator : lm
 Sample : 10 ppb 8260 CCV 68-4N
 Misc : soil/water
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 28 13:18:28 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



TIC: 112308.D\data.ms

m 11.28.22

(9) Trichlorofluoromethane (TMP)

1.890min (-0.005) 6.545 ppb

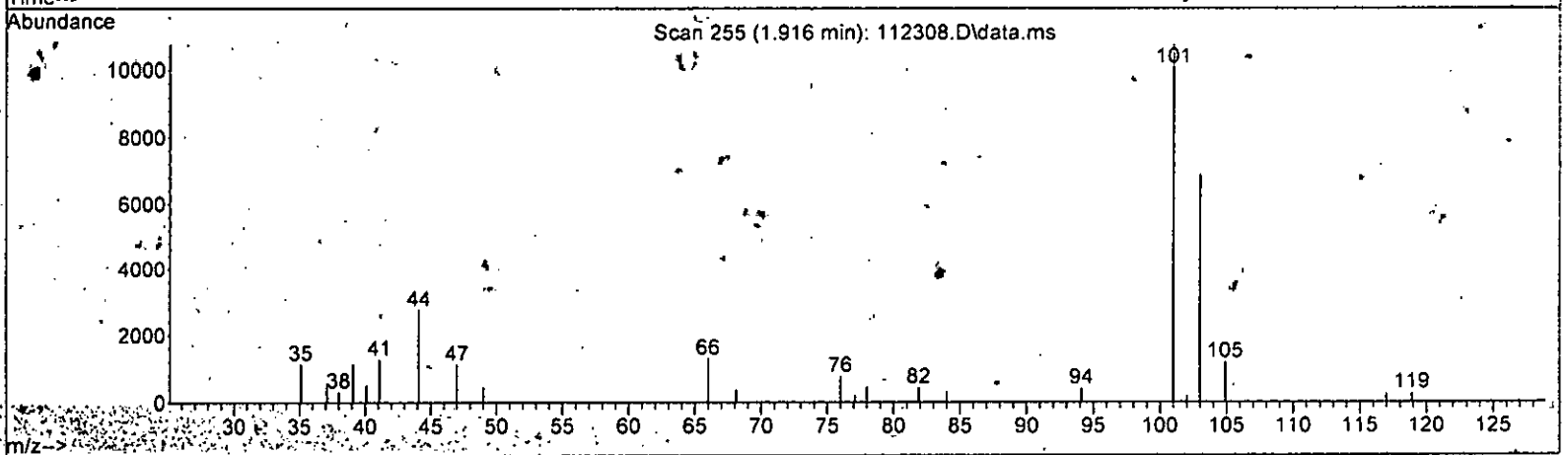
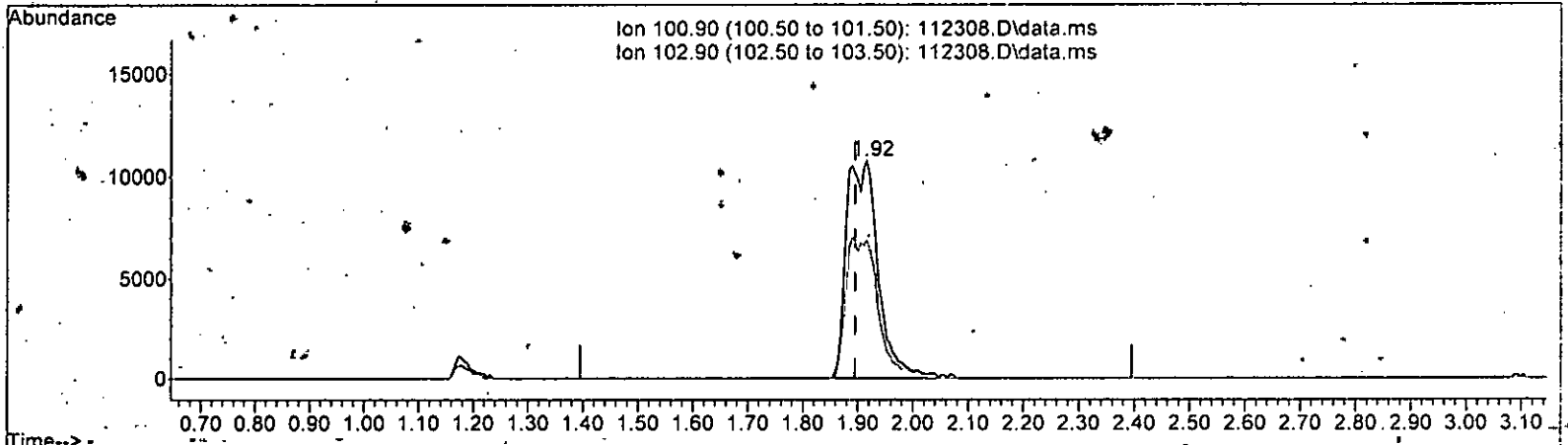
response 20703

Ion	Exp%	Act%
100.90	100.00	100.00
102.90	61.00	66.28
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS4\11-23-22\
 Data File : 112308.D
 Acq On : 23 Nov 2022 4:15 pm
 Operator : lm
 Sample : 10 ppb 8260 CCV 68-4N
 Misc : soil/water
 ALS Vial : 8 - Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 28 13:18:28 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



TIC: 112308.D\data.ms

MS 11.28.22

(9) Trichlorofluoromethane (TMP)		
1.916min (+ 0.021)	13.599	ppb m
response	43014	
Ion	Exp%	Act%
100.90	100.00	100.00
102.90	61.00	63.62
0.00	0.00	0.00
0.00	0.00	0.00

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS4\11-23-22\
 Data File : 112308.D
 Acq On : 23 Nov 2022 4:15 pm
 Operator : lm
 Sample : 10 ppb 8260 CCV 68-4N
 Misc : soil/water
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 28 13:18:28 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I Fluorobenzene	10.000	10.000	0.0	65	0.00
2 TMP Ethanol	-1.000	0.000	0.0	76	0.01
3 S Dibromofluoromethane	10.000	10.792	-7.9	69	0.00
4 TMP Dichlorodifluoromethane	10.000	10.837	-8.4	65	0.00
5 TMP Chloromethane	10.000	11.530	-15.3	71	0.00
6 TMP Vinyl chloride	10.000	12.293	-22.9#	74	0.00
7 TMP Bromomethane	10.000	11.518	-15.2	72	0.00
8 TMP Chloroethane	10.000	12.831	-28.3#	83	0.00
9 TMP Trichlorofluoromethane	10.000	13.599	-36.0#	87	0.02
10 TMP 2-Propanol	-1.000	0.000	0.0	0	0.00
11 TMP Acetone	50.000	105.517	-111.0#	112	0.00
12 TMP 1,1-Dichloroethene	10.000	11.802	-18.0	79	0.00
13 TMP Hexane	10.000	12.660	-26.6#	84	0.00
14 TMP Methylene chloride	10.000	12.670	-26.7#	78	0.00
15 TMP t-Butyl alcohol (TBA)	50.000	62.606	-25.2#	81	0.00
16 TMP Methyl t-butyl ether (MTBE)	10.000	11.796	-18.0	76	0.00
17 TMP trans-1,2-Dichloroethene	10.000	11.549	-15.5	77	0.00
18 TMP Diisopropyl ether (DIPE)	10.000	11.434	-14.3	76	0.00
19 TMP 1,1-Dichloroethane	10.000	11.973	-19.7	78	0.00
20 TMP Ethyl t-butyl ether (ETBE)	10.000	11.633	-16.3	75	0.00
21 TMP 2,2-Dichloropropane	10.000	13.648	-36.5#	86	0.00
22 TMP cis-1,2-Dichloroethene	10.000	11.878	-18.8	80	0.00
23 TMP Chloroform	10.000	11.956	-19.6	77	0.00
24 TMP 2-Butanone (MEK)	50.000	56.063	-12.1	79	0.00
25 TMP t-Amyl methyl ether (TAME)	10.000	11.553	-15.5	75	0.00
26 TMP 1,2-Dichloroethane (EDC)	10.000	12.028	-20.3#	79	0.00
27 TMP 1,1,1-Trichloroethane	10.000	11.717	-17.2	77	0.00
28 TMP 1,1-Dichloropropene	10.000	12.075	-20.7#	81	0.00
29 TMP Carbon tetrachloride	10.000	12.197	-22.0#	81	0.00
30 S 1,2-Dichloroethane-d4	10.000	9.881	1.2	64	0.00
31 TMP Benzene	10.000	12.178	-21.8#	81	0.00
32 TMP Trichloroethene	10.000	11.906	-19.1	81	0.00
33 TMP 1,2-Dichloropropane	10.000	12.793	-27.9#	82	0.00
34 TMP Bromodichloromethane	10.000	11.789	-17.9	79	0.00
35 S Toluene-d8	10.000	11.525	-15.3	75	0.00
36 TMP Dibromomethane	10.000	12.427	-24.3#	80	0.00
37 TMP 4-Methyl-2-pentanone	50.000	58.111	-16.2	78	0.00
38 TMP cis-1,3-Dichloropropene	10.000	12.195	-22.0#	80	0.00
39 I Chlorobenzene-d5	10.000	10.000	0.0	81	0.00
40 TMP Toluene	10.000	9.748	2.5	82	0.00
41 TMP trans-1,3-Dichloropropene	10.000	9.911	0.9	82	0.00
42 TMP 1,1,2-Trichloroethane	10.000	10.066	-0.7	84	0.00
43 TMP 2-Hexanone	50.000	40.843	18.3	67	0.00

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS4\11-23-22\
 Data File : 112308.D
 Acq On : 23 Nov 2022 4:15 pm
 Operator : lm
 Sample : 10 ppb 8260 CCV 68-4N
 Misc : soil/water
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 28 13:18:28 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	10.000	9.655	3.5	80	0.00
45 TMP Tetrachloroethene	10.000	10.035	-0.4	84	0.00
46 TMP Dibromochloromethane	10.000	10.374	-3.7	84	0.00
47 TMP 1,2-Dibromoethane (EDB)	10.000	10.162	-1.6	83	0.00
48 TMP Chlorobenzene	10.000	9.968	0.3	81	0.00
49 TMP Ethylbenzene	10.000	9.631	3.7	80	0.00
50 TMP 1,1,1,2-Tetrachloroethane	10.000	9.570	4.3	78	0.00
51 TMP m,p-Xylene	20.000	19.504	2.5	81	0.00
52 TMP o-Xylene	10.000	9.795	2.1	81	0.00
53 TMP Styrene	10.000	9.331	6.7	76	0.00
54 TMP Isopropylbenzene	10.000	9.173	8.3	76	0.00
55 TMP Bromoform	10.000	10.918	-9.2	85	0.00
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	83	0.00
57 S 4-Bromofluorobenzene	10.000	10.051	-0.5	83	0.00
58 TMP n-Propylbenzene	10.000	9.137	8.6	78	0.00
59 TMP Bromobenzene	10.000	9.585	4.1	79	0.00
60 TMP 1,3,5-Trimethylbenzene	10.000	9.268	7.3	79	0.00
61 TMP 1,1,2,2-Tetrachloroethane	10.000	9.341	6.6	77	0.00
62 TMP 1,2,3-Trichloropropane	10.000	9.138	8.6	74	0.00
63 TMP 2-Chlorotoluene	10.000	9.255	7.4	78	0.00
64 TMP 4-Chlorotoluene	10.000	9.034	9.7	77	0.00
65 TMP tert-Butylbenzene	10.000	9.340	6.6	79	0.00
66 TMP 1,2,4-Trimethylbenzene	10.000	9.285	7.1	80	0.00
67 TMP sec-Butylbenzene	10.000	9.264	7.4	79	0.00
68 TMP p-Isopropyltoluene	10.000	9.189	8.1	78	0.00
69 TMP 1,3-Dichlorobenzene	10.000	9.259	7.4	77	0.00
70 TMP 1,4-Dichlorobenzene	10.000	9.071	9.3	77	0.00
71 TMP 1,2-Dichlorobenzene	10.000	9.268	7.3	78	0.00
72 TMP 1,2-Dibromo-3-chloropropane	10.000	8.724	12.8	72	0.00
73 TMP 1,2,4-Trichlorobenzene	10.000	9.177	8.2	78	0.00
74 TMP Hexachlorobutadiene	10.000	10.180	-1.8	89	0.00
75 TMP Naphthalene	10.000	8.235	17.7	68	0.00
76 TMP 1,2,3-Trichlorobenzene	10.000	8.653	13.5	72	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS4\11-23-22\
 Data File : 112308.D
 Acq On : 23 Nov 2022 4:15 pm
 Operator : lm
 Sample : 10 ppb 8260 CCV 68-4N
 Misc : soil/water
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 28 13:18:28 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I Fluorobenzene	1.000	1.000	0.0	65	0.00
2 TMP Ethanol	0.000	0.000#	0.0	76	0.01
3 S Dibromofluoromethane	0.275	0.297	-8.0	69	0.00
4 TMP Dichlorodifluoromethane	0.410	0.444	-8.3	65	0.00
5 TMP Chloromethane	0.380	0.438	-15.3	71	0.00
6 TMP Vinyl chloride	0.360	0.443	-23.1#	74	0.00
7 TMP Bromomethane	0.168	0.193	-14.9	72	0.00
8 TMP Chloroethane	0.189	0.242	-28.0#	83	0.00
9 TMP Trichlorofluoromethane	0.562	0.764	-35.9#	87	0.02
10 TMP 2-Propanol	0.000	0.000	0.0	0#	0.00
11 TMP Acetone	0.037	0.057	-54.1#	112	0.00
12 TMP 1,1-Dichloroethene	0.333	0.393	-18.0	79	0.00
13 TMP Hexane	0.348	0.441	-26.7#	84	0.00
14 TMP Methylene chloride	0.369	0.447	-21.1#	78	0.00
15 TMP t-Butyl alcohol (TBA)	0.051	0.064	-25.5#	81	0.00
16 TMP Methyl t-butyl ether (MTBE)	0.971	1.146	-18.0	76	0.00
17 TMP trans-1,2-Dichloroethene	0.353	0.408	-15.6	77	0.00
18 TMP Diisopropyl ether (DIPE)	0.889	1.016	-14.3	76	0.00
19 TMP 1,1-Dichloroethane	0.536	0.641	-19.6	78	0.00
20 TMP Ethyl t-butyl ether (ETBE)	0.425	0.494	-16.2	75	0.00
21 TMP 2,2-Dichloropropane	0.352	0.469	-33.2#	86	0.00
22 TMP cis-1,2-Dichloroethene	0.382	0.454	-18.8	80	0.00
23 TMP Chloroform	0.583	0.694	-19.0	77	0.00
24 TMP 2-Butanone (MEK)	0.186	0.209	-12.4	79	0.00
25 TMP t-Butyl methyl ether (TAME)	0.964	1.113	-15.5	75	0.00
26 TMP 1,2-Dichloroethane (EDC)	0.438	0.527	-20.3#	79	0.00
27 TMP 1,1,1-Trichloroethane	0.532	0.624	-17.3	77	0.00
28 TMP 1,1-Dichloropropene	0.448	0.541	-20.8#	81	0.00
29 TMP Carbon tetrachloride	0.479	0.585	-22.1#	81	0.00
30 S 1,2-Dichloroethane-d4	0.063	0.063	0.0	64	0.00
31 TMP Benzene	1.286	1.566	-21.8#	81	0.00
32 TMP Trichloroethene	0.373	0.444	-19.0	81	0.00
33 TMP 1,2-Dichloropropane	0.284	0.364	-28.2#	82	0.00
34 TMP Bromodichloromethane	0.432	0.509	-17.8	79	0.00
35 S Toluene-d8	1.002	1.155	-15.3	75	0.00
36 TMP Dibromomethane	0.216	0.268	-24.1#	80	0.00
37 TMP 4-Methyl-2-pentanone	0.077	0.089	-15.6	78	0.00
38 TMP cis-1,3-Dichloropropene	0.504	0.615	-22.0#	80	0.00
39 I Chlorobenzene-d5	1.000	1.000	0.0	81	0.00
40 TMP Toluene	0.968	0.943	2.6	82	0.00
41 TMP trans-1,3-Dichloropropene	0.553	0.548	0.9	82	0.00
42 TMP 1,1,2-Trichloroethane	0.293	0.295	-0.7	84	0.00
43 TMP 2-Hexanone	0.320	0.262	18.1	67	0.00

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS4\11-23-22\
 Data File : 112308.D
 Acq On : 23 Nov 2022 4:15 pm
 Operator : lm
 Sample : 10 ppb 8260 CCV 68-4N
 Misc : soil/water
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 28 13:18:28 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.560	0.541	3.4	80	0.00
45 TMP Tetrachloroethene	0.431	0.432	-0.2	84	0.00
46 TMP Dibromochloromethane	0.429	0.438	-2.1	84	0.00
47 TMP 1,2-Dibromoethane (EDB)	0.398	0.405	-1.8	83	0.00
48 TMP Chlorobenzene	1.148	1.144	0.3	81	0.00
49 TMP Ethylbenzene	1.845	1.777	3.7	80	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.426	0.407	4.5	78	0.00
51 TMP m,p-Xylene	0.746	0.727	2.5	81	0.00
52 TMP o-Xylene	0.741	0.726	2.0	81	0.00
53 TMP Styrene	1.258	1.174	6.7	76	0.00
54 TMP Isopropylbenzene	1.878	1.723	8.3	76	0.00
55 TMP Bromoform	0.362	0.374	-3.3	85	0.00
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	83	0.00
57 S 4-Bromofluorobenzene	0.701	0.705	-0.6	83	0.00
58 TMP n-Propylbenzene	3.165	2.892	8.6	78	0.00
59 TMP Bromobenzene	0.916	0.878	4.1	79	0.00
60 TMP 1,3,5-Trimethylbenzene	2.336	2.165	7.3	79	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.806	0.753	6.6	77	0.00
62 TMP 1,2,3-Trichloropropane	0.610	0.558	8.5	74	0.00
63 TMP 2-Chlorotoluene	1.890	1.749	7.5	78	0.00
64 TMP 4-Chlorotoluene	2.253	2.035	9.7	77	0.00
65 TMP tert-Butylbenzene	2.062	1.926	6.6	79	0.00
66 TMP 1,2,4-Trimethylbenzene	2.433	2.259	7.2	80	0.00
67 TMP sec-Butylbenzene	2.769	2.565	7.4	79	0.00
68 TMP p-Isopropyltoluene	2.526	2.321	8.1	78	0.00
69 TMP 1,3-Dichlorobenzene	1.624	1.504	7.4	77	0.00
70 TMP 1,4-Dichlorobenzene	1.675	1.520	9.3	77	0.00
71 TMP 1,2-Dichlorobenzene	1.595	1.478	7.3	78	0.00
72 TMP 1,2-Dibromo-3-chloropropane	0.167	0.146	12.6	72	0.00
73 TMP 1,2,4-Trichlorobenzene	1.200	1.102	8.2	78	0.00
74 TMP Hexachlorobutadiene	0.463	0.471	-1.7	89	0.00
75 TMP Naphthalene	2.957	2.435	17.7	68	0.00
76 TMP 1,2,3-Trichlorobenzene	1.136	0.983	13.5	72	0.00

(#) = Out of Range SPCC's out = 1 CCC's out = 0

Data Path : Y:\Proc_GCMS4\11-23-22\
 Data File : 112308.D
 Acq On : 23 Nov 2022 4:15 pm
 Operator : lm
 Sample : 10 ppb 8260 CCV 68-4N
 Misc : soil/water
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 28 13:18:28 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.77	96	56312	10.000	ppb	0.00
39) Chlorobenzene-d5	7.43	117	59282	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.65	152	40281	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.21	113	16707	10.792	ppb	0.00
Spiked Amount	10.000	Range	0 - 1000	Recovery	=	107.90%
30) 1,2-Dichloroethane-d4	4.49	102	3533	9.881	ppb	0.00
Spiked Amount	10.000	Range	90 - 109	Recovery	=	98.80%
35) Toluene-d8	6.14	98	65013	11.525	ppb	0.00
Spiked Amount	10.000	Range	89 - 112	Recovery	=	115.20%#
57) 4-Bromofluorobenzene	8.54	95	28392	10.051	ppb	0.00
Spiked Amount	10.000	Range	84 - 115	Recovery	=	100.50%
Target Compounds						
2) Ethanol	1.08	45	2803	No Calib		
4) Dichlorodifluoromethane	1.18	85	24997	10.837	ppb	91
5) Chloromethane	1.31	50	24658	11.530	ppb	95
6) Vinyl chloride	1.40	62	24940	12.293	ppb	99
7) Bromomethane	1.63	94	10866	11.518	ppb	95
8) Chloroethane	1.70	64	13652	12.831	ppb	100
9) Trichlorofluoromethane	1.92	101	43014m	13.599	ppb	
10) 2-Propanol	2.98	45	2935	No Calib		
11) Acetone	2.39	58	15938	105.517	ppb	87
12) 1,1-Dichloroethene	2.32	96	22156	11.802	ppb	# 79
13) Hexane	3.20	57	24844	12.660	ppb	91
14) Methylene chloride	2.73	84	25166	12.670	ppb	88
15) t-Butyl alcohol (TBA)	2.87	59	18063	62.606	ppb	97
16) Methyl t-butyl ether (...)	2.98	73	64530	11.796	ppb	97
17) trans-1,2-Dichloroethene	2.97	96	22949	11.549	ppb	# 81
18) Diisopropyl ether (DIPE)	3.40	45	57210	11.434	ppb	89
19) 1,1-Dichloroethane	3.32	63	36123	11.973	ppb	98
20) Ethyl t-butyl ether (E...)	3.70	87	27840	11.633	ppb	# 84
21) 2,2-Dichloropropane	3.81	77	26396	13.648	ppb	97
22) cis-1,2-Dichloroethene	3.80	96	25551	11.878	ppb	# 79
23) Chloroform	4.07	83	39084	11.956	ppb	99
24) 2-Butanone (MEK)	3.83	43	58753	56.063	ppb	94
25) t-Amyl methyl ether (T...)	4.65	73	62691	11.553	ppb	99
26) 1,2-Dichloroethane (EDC)	4.55	62	29679	12.028	ppb	97
27) 1,1,1-Trichloroethane	4.23	97	35126	11.717	ppb	93
28) 1,1-Dichloropropene	4.36	75	30470	12.075	ppb	91
29) Carbon tetrachloride	4.37	117	32917	12.197	ppb	91
31) Benzene	4.54	78	88161	12.178	ppb	95
32) Trichloroethene	5.09	95	24999	11.906	ppb	# 78
33) 1,2-Dichloropropane	5.27	63	20489	12.793	ppb	96
34) Bromodichloromethane	5.51	83	28657	11.789	ppb	95
36) Dibromomethane	5.37	93	15097	12.427	ppb	87

Data Path : Y:\Proc_GCMS4\11-23-22\
 Data File : 112308.D
 Acq On : 23 Nov 2022 4:15 pm
 Operator : lm
 Sample : 10 ppb 8260 CCV 68-4N
 Misc : soil/water
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS4

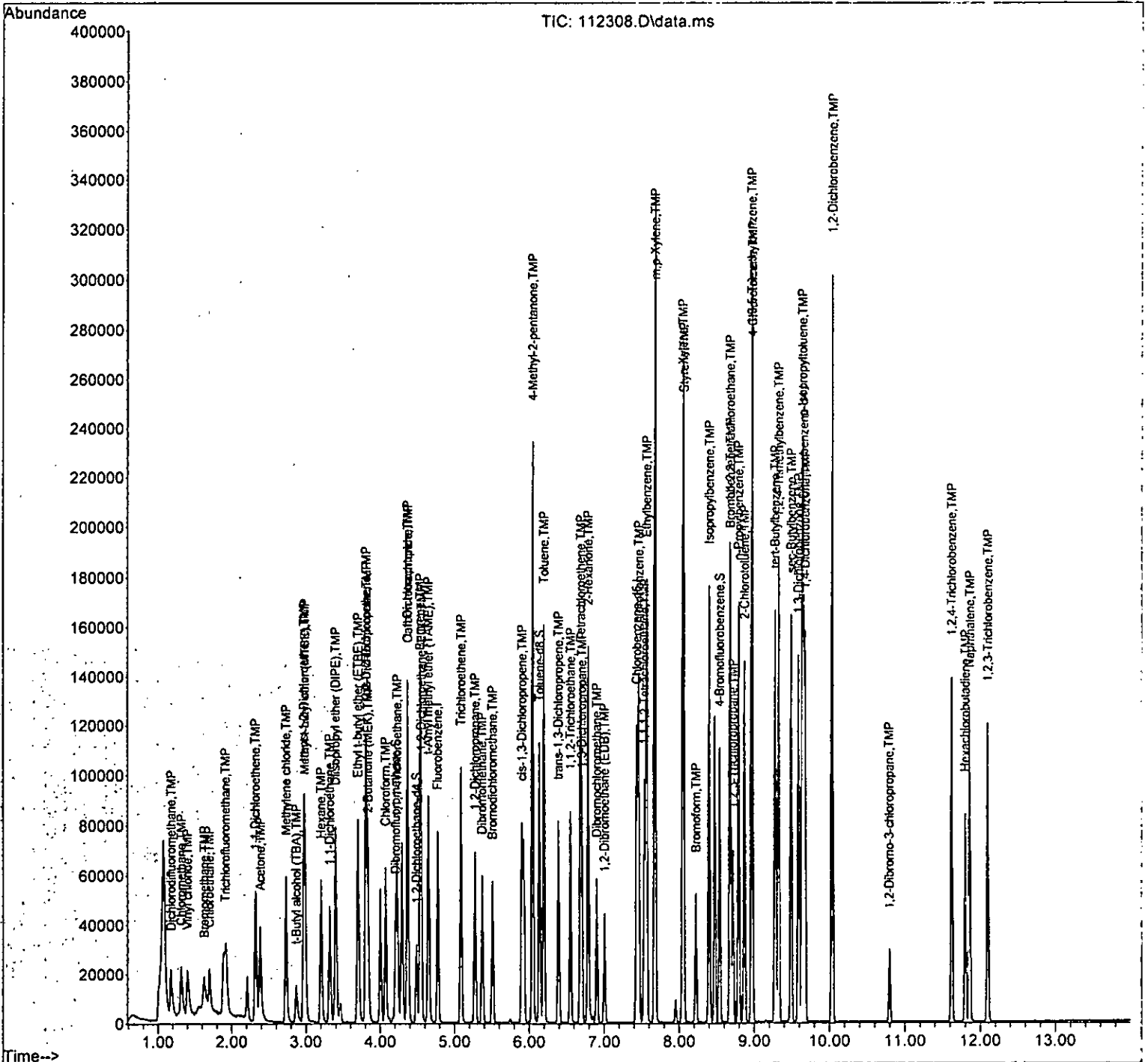
Quant Time: Nov 28 13:18:28 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
37) 4-Methyl-2-pentanone	6.04	85	25162	58.111	ppb	#	77
38) cis-1,3-Dichloropropene	5.90	75	34626	12.195	ppb		90
40) Toluene	6.19	92	55921	9.748	ppb		98
41) trans-1,3-Dichloropropene	6.39	75	32485	9.911	ppb		90
42) 1,1,2-Trichloroethane	6.55	83	17490	10.066	ppb		91
43) 2-Hexanone	6.79	43	77585	40.843	ppb		97
44) 1,3-Dichloropropane	6.70	76	32063	9.655	ppb		99
45) Tetrachloroethene	6.69	164	25630	10.035	ppb		97
46) Dibromochloromethane	6.90	129	25953	10.374	ppb		97
47) 1,2-Dibromoethane (E08)	7.00	107	23989	10.162	ppb		95
48) Chlorobenzene	7.46	112	67841	9.968	ppb		88
49) Ethylbenzene	7.56	91	105349	9.631	ppb		94
50) 1,1,1,2-Tetrachloroethane	7.54	131	24142	9.570	ppb		96
51) m,p-Xylene	7.67	106	86249	19.504	ppb		92
52) o-Xylene	8.05	106	43039	9.795	ppb		84
53) Styrene	8.06	104	69584	9.331	ppb		88
54) Isopropylbenzene	8.40	105	102130	9.173	ppb		94
55) Bromoform	8.22	173	22183	10.918	ppb		98
58) n-Propylbenzene	8.79	91	116491	9.137	ppb		91
59) Bromobenzene	8.68	156	35360	9.585	ppb	#	75
60) 1,3,5-Trimethylbenzene	8.96	105	87216	9.268	ppb		89
61) 1,1,2,2-Tetrachloroethane	8.67	83	30331	9.341	ppb		98
62) 1,2,3-Trichloropropane	8.72	75	22470	9.138	ppb		97
63) 2-Chlorotoluene	8.87	91	70441	9.255	ppb		88
64) 4-Chlorotoluene	8.97	91	81989	9.034	ppb		80
65) tert-Butylbenzene	9.27	119	77590	9.340	ppb		86
66) 1,2,4-Trimethylbenzene	9.32	105	90997	9.285	ppb		91
67) sec-Butylbenzene	9.49	105	103325	9.264	ppb		94
68) p-Isopropyltoluene	9.64	119	93479	9.189	ppb		91
69) 1,3-Dichlorobenzene	9.58	146	60572	9.259	ppb		95
70) 1,4-Dichlorobenzene	9.67	146	61212	9.071	ppb		94
71) 1,2-Dichlorobenzene	10.03	146	59542	9.268	ppb		91
72) 1,2-Dibromo-3-chloropr...	10.79	75	5873	8.724	ppb		78
73) 1,2,4-Trichlorobenzene	11.62	180	44372	9.177	ppb		99
74) Hexachlorobutadiene	11.80	225	18972	10.180	ppb		98
75) Naphthalene	11.86	128	98085	8.235	ppb		99
76) 1,2,3-Trichlorobenzene	12.10	180	39594	8.653	ppb		97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS4\11-23-22\
 Data File : 112308.D
 Acq On : 23 Nov 2022 4:15 pm
 Operator : lm
 Sample : 10 ppb 8260 CCV 68-4N
 Misc : soil/water
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS4

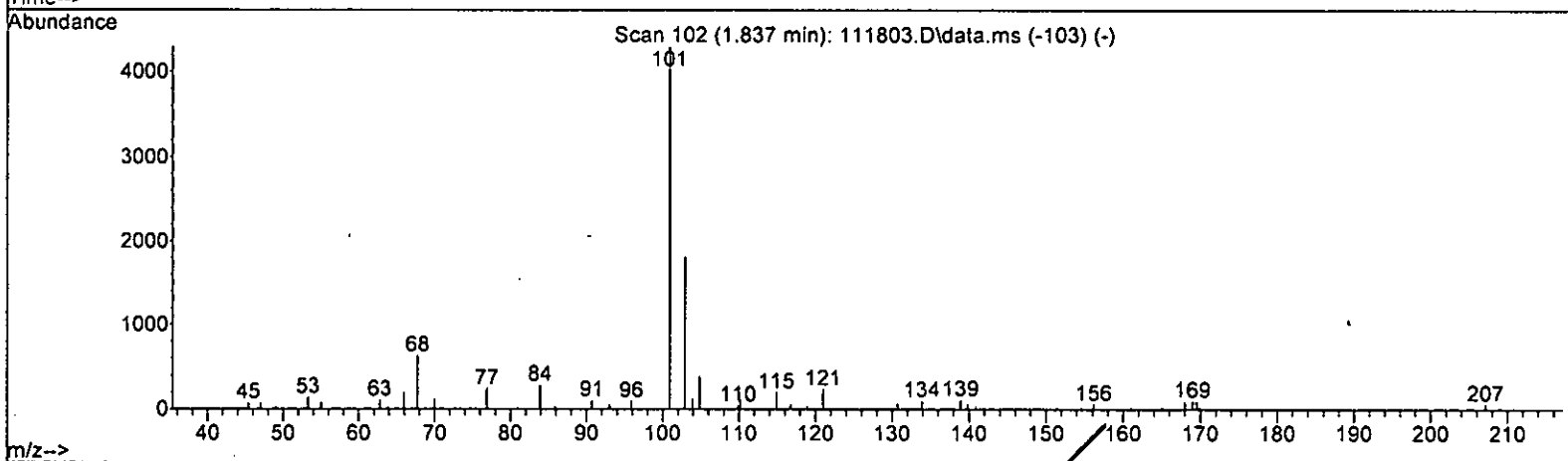
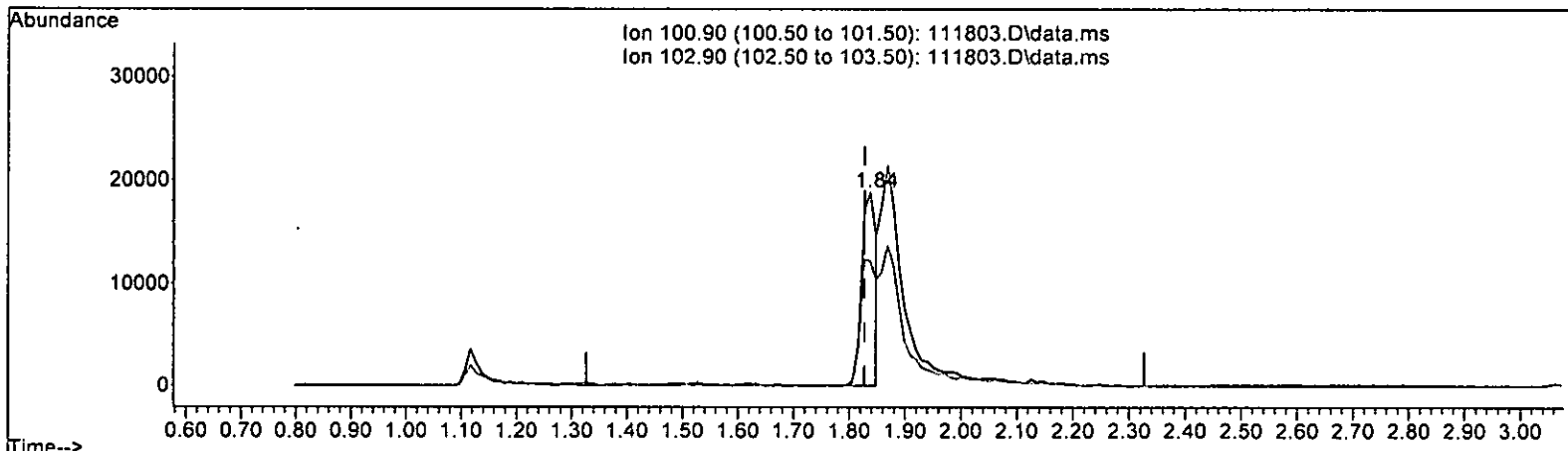
Quant Time: Nov 28 13:18:28 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111803.D
 Acq On : 18 Nov 2022 06:14 am
 Operator : LM
 Sample : 10 ppb 8260 CCV 67-86N
 Misc : soil/water
 ALS Vial : 1 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 18 08:13:50 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 111803.D\data.ms

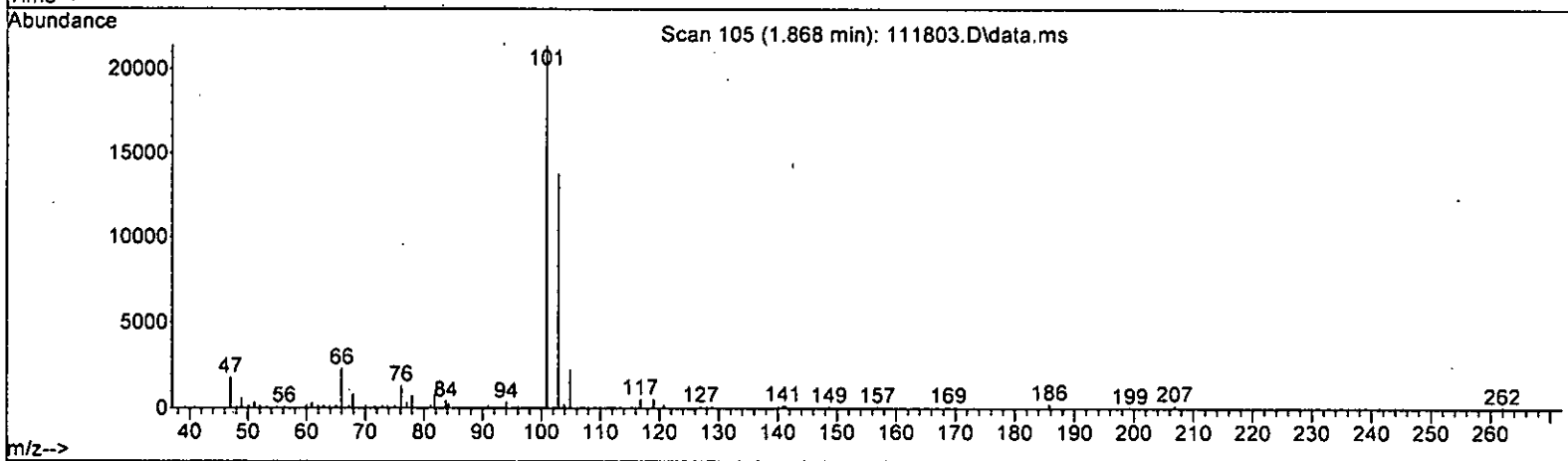
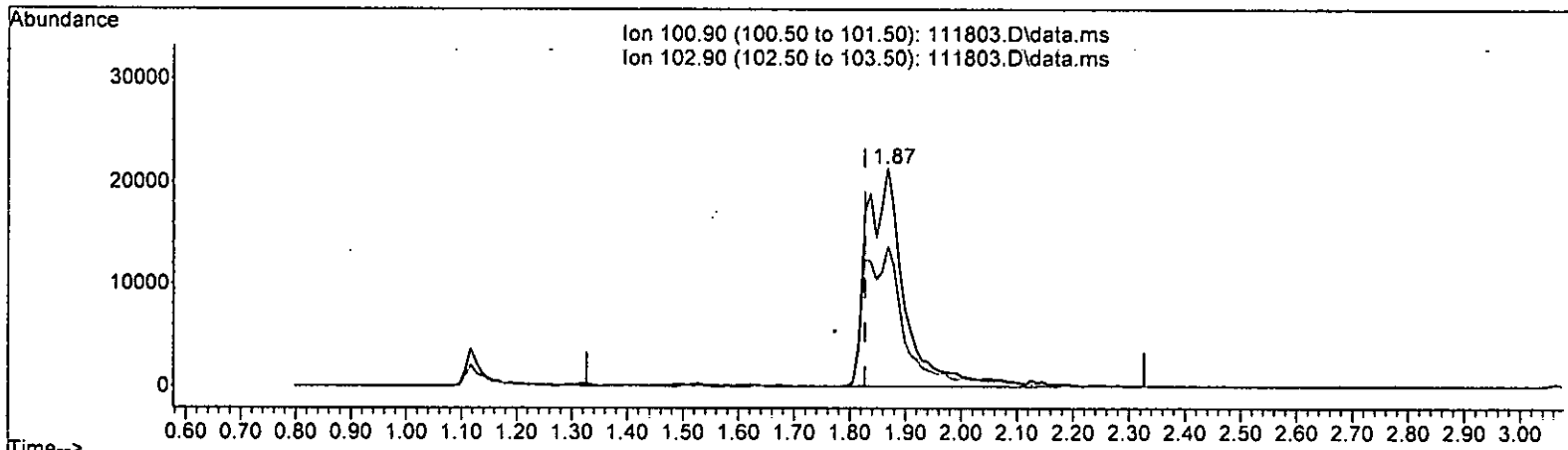
m 11.21.22

(9) Trichlorofluoromethane (TMP)		
1.837min (+ 0.010) 3.160 ppb		
response	34241	
Ion	Exp%	Act%
100.90	100.00	100.00
102.90	65.30	64.80
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111803.D
 Acq On : 18 Nov 2022 06:14 am
 Operator : LM
 Sample : 10 ppb 8260 CCV 67-86N
 Misc : soil/water
 ALS Vial : 1 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 18 08:13:50 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 111803.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.868min (+ 0.041) 9.622 ppb m

response 104269

Ion	Exp%	Act%
100.90	100.00	100.00
102.90	65.30	64.16
0.00	0.00	0.00
0.00	0.00	0.00

M 11.21.22

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111803.D
 Acq On : 18 Nov 2022 06:14 am
 Operator : LM
 Sample : 10 ppb 8260 CCV 67-86N
 Misc : soil/water
 ALS Vial : 1 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 18 08:13:50 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 Qlast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	4.75	96	96488	10.000	ppb	0.00	
39) Chlorobenzene-d5	7.40	117	88501	10.000	ppb	0.00	
56) 1,4-Dichlorobenzene-d4	9.62	152	52821	10.000	ppb	0.00	
System Monitoring Compounds							
3) Dibromofluoromethane	4.17	113	32996	10.664	ppb	0.00	
Spiked Amount	10.000	Range 50 - 150	Recovery	=	106.60%		
30) 1,2-Dichloroethane-d4	4.45	102	6330	10.556	ppb	0.00	
Spiked Amount	10.000	Range 84 - 120	Recovery	=	105.60%		
35) Toluene-d8	6.11	98	92317	10.032	ppb	0.00	
Spiked Amount	10.000	Range 73 - 128	Recovery	=	100.30%		
57) 4-Bromofluorobenzene	8.51	95	34430	9.460	ppb	0.00	
Spiked Amount	10.000	Range 57 - 146	Recovery	=	94.60%		
Target Compounds							
2) Ethanol	2.32	45	421	No Calib			Qvalue
4) Dichlorodifluoromethane	1.12	85	65085	8.431	ppb	97	
5) Chloromethane	1.26	50	38042	8.077	ppb	93	
6] Vinyl chloride	1.34	62	42223	8.585	ppb	95	
7) Bromomethane	1.60	94	48490	11.632	ppb	94	
8] Chloroethane	1.65	64	22232	10.076	ppb	100	
9) Trichlorofluoromethane	1.87	101	104269m	9.622	ppb		
10) 2-Propanol	2.32	45	421	No Calib	#		
11) Acetone	2.33	58	13381	52.609	ppb	98	
12] 1,1-Dichloroethene	2.27	96	25846	9.402	ppb	93	
13) Hexane	3.16	57	26759	8.579	ppb	93	
14) Methylene chloride	2.69	84	26459	9.045	ppb	95	
15) t-Butyl alcohol (TBA)	2.82	59	11602	50.098	ppb	90	
16] Methyl t-butyl ether (...)	2.93	73	69117	10.759	ppb	99	
17] trans-1,2-Dichloroethene	2.92	96	28654	9.325	ppb	99	
18) Diisopropyl ether (DIPE)	3.35	45	57953	8.608	ppb	100	
19] 1,1-Dichloroethane	3.27	63	39785	8.898	ppb	98	
20) Ethyl t-butyl ether (E...)	3.66	87	30040	12.085	ppb	87	
21) 2,2-Dichloropropane	3.77	77	32228	13.816	ppb	97	
22] cis-1,2-Dichloroethene	3.77	96	30834	9.593	ppb	97	
23) Chloroform	4.04	83	48560	9.344	ppb	97	
24) 2-Butanone (MEK)	3.79	43	58201	48.058	ppb	99	
25) t-Amyl methyl ether (T...)	4.61	73	60861	11.672	ppb	92	
26] 1,2-Dichloroethane (EDC)	4.53	62	37116	9.462	ppb	99	
27] 1,1,1-Trichloroethane	4.19	97	50732	10.912	ppb	98	
28) 1,1-Dichloropropene	4.33	75	33584	9.631	ppb	92	
29) Carbon tetrachloride	4.33	117	52066	11.123	ppb	99	
31] Benzene	4.50	78	91664	8.495	ppb	98	
32] Trichloroethene	5.05	95	32183	9.100	ppb	# 71	
33) 1,2-Dichloropropane	5.24	63	20562	8.844	ppb	95	
34) Bromodichloromethane	5.48	83	36035	9.660	ppb	97	
36) Dibromomethane	5.35	93	19024	8.984	ppb	# 69	

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111803.D
 Acq On : 18 Nov 2022 06:14 am
 Operator : LM
 Sample : 10 ppb 8260 CCV 67-86N
 Misc : soil/water
 ALS Vial : 1 Sample Multiplier: 1
 InstName : GCMS13

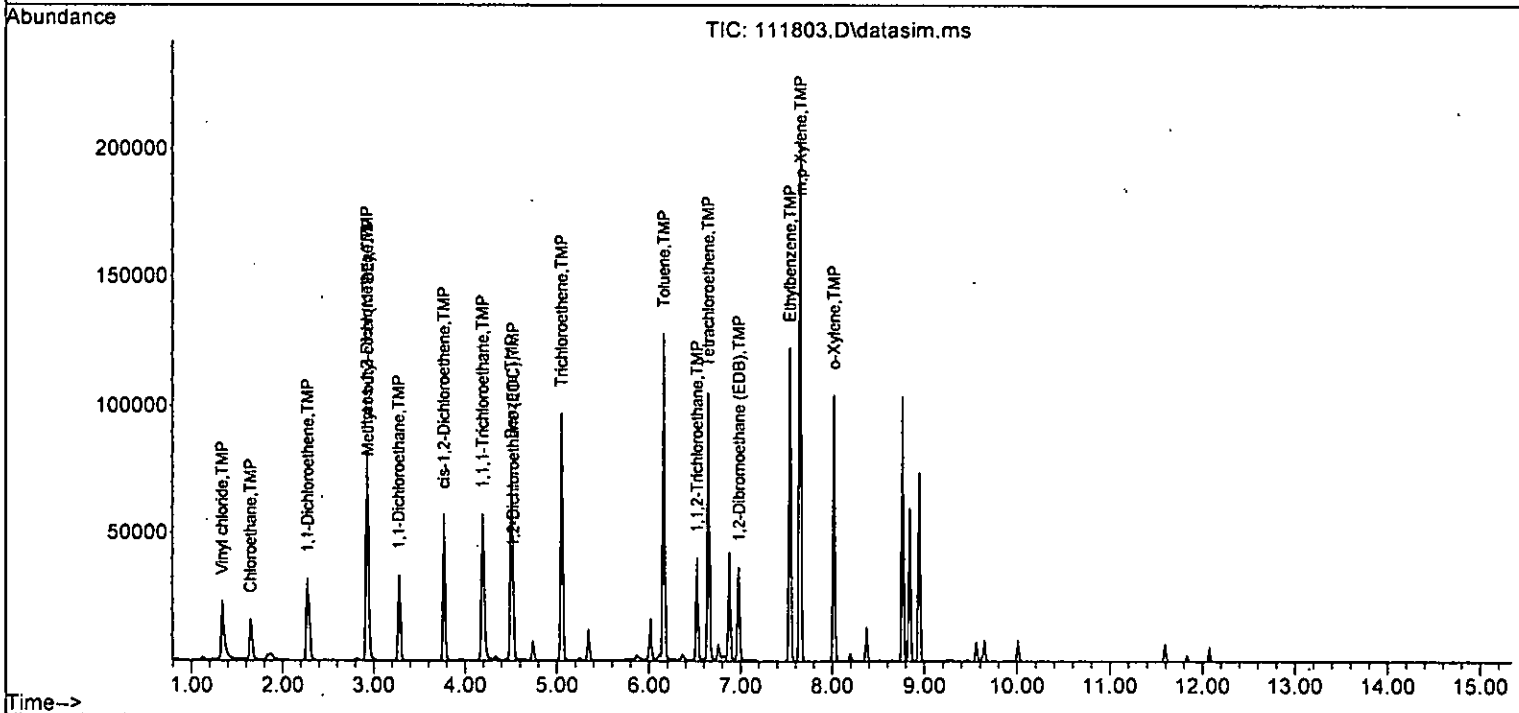
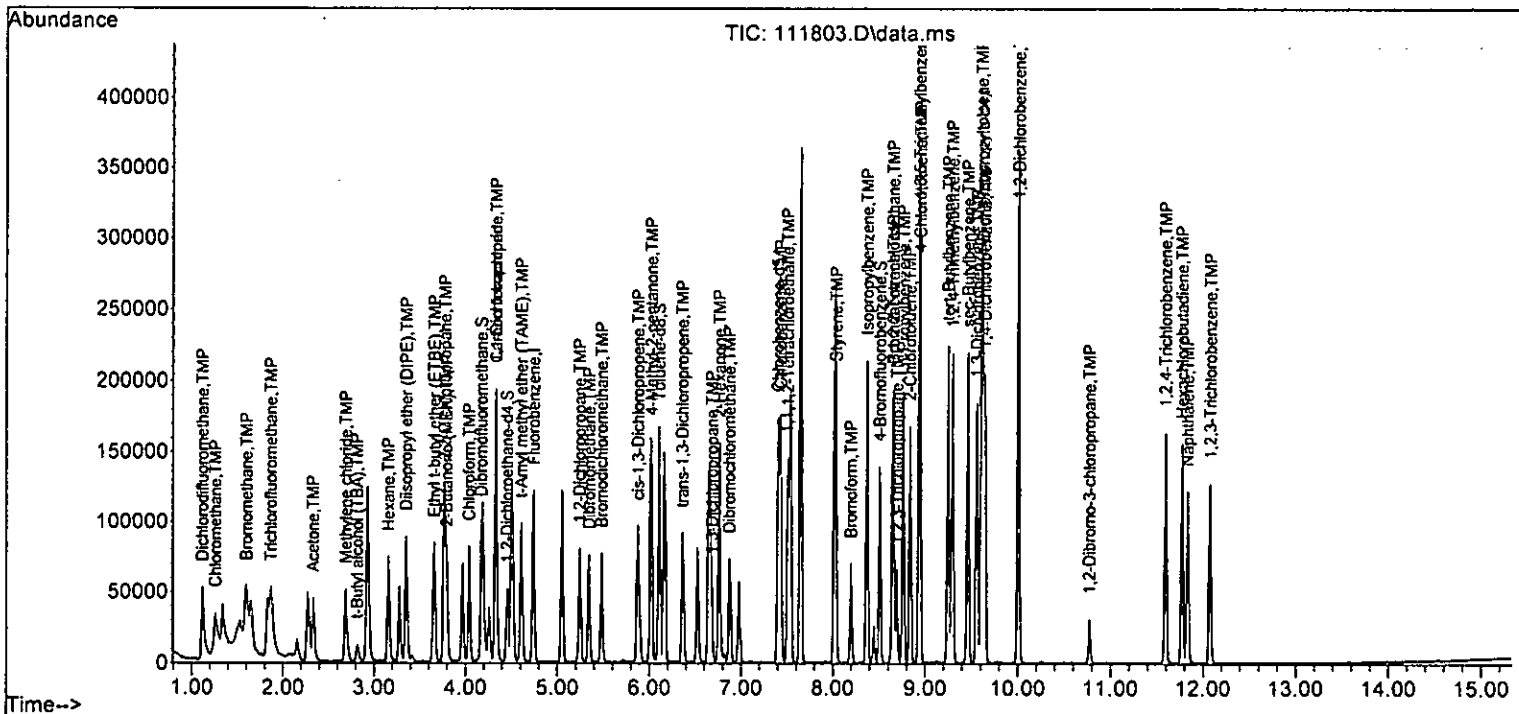
Quant Time: Nov 18 08:13:50 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	6.02	85	22020	53.793	ppb	# 79
38) cis-1,3-Dichloropropene	5.88	75	38232	11.004	ppb	90
40] Toluene	6.16	92	64272	9.058	ppb	94
41) trans-1,3-Dichloropropene	6.36	75	35452	11.353	ppb	88
42] 1,1,2-Trichloroethane	6.53	83	19103	8.337	ppb	83
43) 2-Hexanone	6.76	43	83932	50.032	ppb	95
44) 1,3-Dichloropropane	6.68	76	32695	8.080	ppb	97
45] Tetrachloroethene	6.65	164	37158	10.630	ppb	94
46) Dibromochloromethane	6.87	129	40897	10.738	ppb	98
47] 1,2-Dibromoethane (EDB)	6.98	107	30210	9.494	ppb	96
48) Chlorobenzene	7.43	112	84162	9.577	ppb	91
49] Ethylbenzene	7.54	91	120919	8.776	ppb	89
50) 1,1,1,2-Tetrachloroethane	7.51	131	37029	10.824	ppb	97
51] m,p-Xylene	7.65	106	102198	18.875	ppb	# 80
52] o-Xylene	8.02	106	50497	9.659	ppb	# 78
53) Styrene	8.03	104	75786	9.651	ppb	95
54) Isopropylbenzene	8.37	105	121699	9.580	ppb	92
55) Bromoform	8.20	173	28634	10.820	ppb	98
58) n-Propylbenzene	8.77	91	128876	9.038	ppb	82
59) Bromobenzene	8.65	156	43555	9.846	ppb	# 73
60) 1,3,5-Trimethylbenzene	8.94	105	101070	9.725	ppb	87
61) 1,1,2,2-Tetrachloroethane	8.65	83	27576	8.930	ppb	96
62) 1,2,3-Trichloropropane	8.70	75	19792	7.706	ppb	91
63) 2-Chlorotoluene	8.84	91	76430	8.950	ppb	82
64) 4-Chlorotoluene	8.95	91	90121	8.924	ppb	79
65) tert-Butylbenzene	9.25	119	105349	10.218	ppb	86
66) 1,2,4-Trimethylbenzene	9.30	105	107183	10.164	ppb	88
67) sec-Butylbenzene	9.46	105	131857	9.514	ppb	89
68) p-Isopropyltoluene	9.61	119	129117	10.241	ppb	95
69) 1,3-Dichlorobenzene	9.56	146	78168	9.675	ppb	93
70) 1,4-Dichlorobenzene	9.64	146	76809	9.298	ppb	98
71) 1,2-Dichlorobenzene	10.01	146	74017	9.633	ppb	96
72) 1,2-Dibromo-3-chloropr...	10.77	75	5152	9.039	ppb	79
73) 1,2,4-Trichlorobenzene	11.59	180	49800	9.715	ppb	98
74) Hexachlorobutadiene	11.77	225	29994	9.468	ppb	97
75) Naphthalene	11.83	128	94572	9.642	ppb	98
76) 1,2,3-Trichlorobenzene	12.08	180	40716	9.112	ppb	93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111803.D
 Acq On : 18 Nov 2022 06:14 am
 Operator : LM
 Sample : 10 ppb 8260 CCV 67-86N
 Misc : soil/water
 ALS Vial : 1 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 18 08:13:50 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111829.D
 Acq On : 18 Nov 2022 06:31 pm
 Operator : LM
 Sample : 10 ppb 8260 CCV 67-192N
 Misc : soil/water
 ALS Vial : 24 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 18 18:52:26 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	10.000	10.000	0.0	90	-0.01
2 TMP	Ethanol	-1.000	0.000	0.0	0	0.00
3 S	Dibromofluoromethane	10.000	10.389	-3.9	94	0.00
4 TMP	Dichlorodifluoromethane	10.000	9.828	1.7	90	-0.01
5 TMP	Chloromethane	10.000	8.491	15.1	74	-0.01
6 TMP	Vinyl chloride	10.000	8.856	11.4	81	-0.01
7 TMP	Bromomethane	10.000	12.719	-27.2#	101	-0.01
8 TMP	Chloroethane	10.000	9.937	0.6	87	-0.01
9 TMP	Trichlorofluoromethane	10.000	9.612	3.9	89	0.03
10 TMP	2-Propanol	-1.000	0.000	0.0	0	0.00
11 TMP	Acetone	50.000	56.005	-12.0	93	-0.01
12 TMP	1,1-Dichloroethene	10.000	9.730	2.7	89	-0.01
13 TMP	Hexane	10.000	9.737	2.6	87	-0.01
14 TMP	Methylene chloride	10.000	9.734	2.7	87	0.00
15 TMP	t-Butyl alcohol (TBA)	50.000	58.149	-16.3	104	0.00
16 TMP	Methyl t-butyl ether (MTBE)	10.000	10.986	-9.9	98	-0.01
17 TMP	trans-1,2-Dichloroethene	10.000	9.618	3.8	88	-0.01
18 TMP	Diisopropyl ether (DIPE)	10.000	8.928	10.7	83	-0.01
19 TMP	1,1-Dichloroethane	10.000	9.590	4.1	84	0.00
20 TMP	Ethyl t-butyl ether (ETBE)	10.000	12.160	-21.6#	114	-0.01
21 TMP	2,2-Dichloropropane	10.000	16.358	-63.6#	158	-0.01
22 TMP	cis-1,2-Dichloroethene	10.000	10.156	-1.6	91	-0.01
23 TMP	Chloroform	10.000	9.593	4.1	88	0.00
24 TMP	2-Butanone (MEK)	50.000	52.722	-5.4	91	-0.01
25 TMP	t-Amyl methyl ether (TAME)	10.000	11.731	-17.3	106	0.00
26 TMP	1,2-Dichloroethane (EDC)	10.000	9.953	0.5	86	-0.01
27 TMP	1,1,1-Trichloroethane	10.000	11.174	-11.7	102	0.00
28 TMP	1,1-Dichloropropene	10.000	9.981	0.2	89	-0.01
29 TMP	Carbon tetrachloride	10.000	11.334	-13.3	106	-0.01
30 S	1,2-Dichloroethane-d4	10.000	9.411	5.9	81	0.00
31 TMP	Benzene	10.000	8.868	11.3	82	0.00
32 TMP	Trichloroethene	10.000	9.385	6.2	87	-0.01
33 TMP	1,2-Dichloropropane	10.000	8.750	12.5	81	0.00
34 TMP	Bromodichloromethane	10.000	9.787	2.1	86	0.00
35 S	Toluene-d8	10.000	10.306	-3.1	91	0.00
36 TMP	Dibromomethane	10.000	9.308	6.9	85	-0.01
37 TMP	4-Methyl-2-pentanone	50.000	56.166	-12.3	99	-0.01
38 TMP	cis-1,3-Dichloropropene	10.000	10.819	-8.2	106	-0.01
39 I	Chlorobenzene-d5	10.000	10.000	0.0	101	0.00
40 TMP	Toluene	10.000	9.139	8.6	89	0.00
41 TMP	trans-1,3-Dichloropropene	10.000	10.985	-9.8	118	0.00
42 TMP	1,1,2-Trichloroethane	10.000	8.465	15.4	83	0.00
43 TMP	2-Hexanone	50.000	51.322	-2.6	103	0.00

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111829.D
 Acq On : 18 Nov 2022 06:31 pm
 Operator : LM
 Sample : 10 ppb 8260 CCV 67-192N
 Misc : soil/water
 ALS Vial : 24 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 18 18:52:26 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	10.000	8.515	14.8	86	-0.01
45 TMP Tetrachloroethene	10.000	10.740	-7.4	104	0.00
46 TMP Dibromochloromethane	10.000	10.434	-4.3	108	-0.01
47 TMP 1,2-Dibromoethane (EDB)	10.000	9.527	4.7	98	-0.01
48 TMP Chlorobenzene	10.000	9.624	3.8	100	0.00
49 TMP Ethylbenzene	10.000	8.921	10.8	92	0.00
50 TMP 1,1,1,2-Tetrachloroethane	10.000	10.392	-3.9	110	0.00
51 TMP m,p-Xylene	20.000	19.082	4.6	98	0.00
52 TMP o-Xylene	10.000	9.785	2.1	101	0.00
53 TMP Styrene	10.000	9.694	3.1	97	0.00
54 TMP Isopropylbenzene	10.000	9.754	2.5	98	0.00
55 TMP Bromoform	10.000	10.425	-4.3	109	0.00
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	99	0.00
57 S 4-Bromofluorobenzene	10.000	9.656	3.4	95	0.00
58 TMP n-Propylbenzene	10.000	9.654	3.5	92	0.00
59 TMP Bromobenzene	10.000	10.505	-5.1	105	0.00
60 TMP 1,3,5-Trimethylbenzene	10.000	10.450	-4.5	103	0.00
61 TMP 1,1,2,2-Tetrachloroethane	10.000	9.528	4.7	88	0.00
62 TMP 1,2,3-Trichloropropane	10.000	8.263	17.4	84	0.00
63 TMP 2-Chlorotoluene	10.000	9.627	3.7	93	0.00
64 TMP 4-Chlorotoluene	10.000	9.435	5.6	94	0.00
65 TMP tert-Butylbenzene	10.000	10.719	-7.2	109	0.00
66 TMP 1,2,4-Trimethylbenzene	10.000	10.813	-8.1	106	0.00
67 TMP sec-Butylbenzene	10.000	10.323	-3.2	101	0.00
68 TMP p-Isopropyltoluene	10.000	11.074	-10.7	109	0.00
69 TMP 1,3-Dichlorobenzene	10.000	10.283	-2.8	103	0.00
70 TMP 1,4-Dichlorobenzene	10.000	9.980	0.2	101	0.00
71 TMP 1,2-Dichlorobenzene	10.000	10.301	-3.0	101	0.00
72 TMP 1,2-Dibromo-3-chloropropane	10.000	9.890	1.1	101	0.00
73 TMP 1,2,4-Trichlorobenzene	10.000	10.928	-9.3	114	0.00
74 TMP Hexachlorobutadiene	10.000	10.837	-8.4	111	0.00
75 TMP Naphthalene	10.000	10.583	-5.8	113	0.00
76 TMP 1,2,3-Trichlorobenzene	10.000	10.558	-5.6	109	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111829.D
 Acq On : 18 Nov 2022 06:31 pm
 Operator : LM
 Sample : 10 ppb 8260 CCV 67-192N
 Misc : soil/water
 ALS Vial : 24 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 18 18:52:26 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I Fluorobenzene	1.000	1.000	0.0	90	-0.01
2 TMP Ethanol	0.000	0.000#	0.0	0#	0.00
3 S Dibromofluoromethane	0.321	0.333	-3.7	94	0.00
4 TMP Dichlorodifluoromethane	0.800	0.786	1.8	90	-0.01
5 TMP Chloromethane	0.488	0.414	15.2	74	-0.01
6 TMP Vinyl chloride	0.510	0.451	11.6	81	-0.01
7 TMP Bromomethane	0.432	0.550	-27.3#	101	-0.01
8 TMP Chloroethane	0.229	0.227	0.9	87	-0.01
9 TMP Trichlorofluoromethane	1.123	1.080	3.8	89	0.03
10 TMP 2-Propanol	0.000	0.000	0.0	0#	0.00
11 TMP Acetone	0.029	0.030	-3.4	93	-0.01
12 TMP 1,1-Dichloroethene	0.285	0.277	2.8	89	-0.01
13 TMP Hexane	0.323	0.315	2.5	87	-0.01
14 TMP Methylene chloride	0.289	0.293	-1.4	87	0.00
15 TMP t-Butyl alcohol (TBA)	0.024	0.028#	-16.7	104	0.00
16 TMP Methyl t-butyl ether (MTBE)	0.666	0.731	-9.8	98	-0.01
17 TMP trans-1,2-Dichloroethene	0.318	0.306	3.8	88	-0.01
18 TMP Diisopropyl ether (DIPE)	0.698	0.623	10.7	83	-0.01
19 TMP 1,1-Dichloroethane	0.463	0.444	4.1	84	0.00
20 TMP Ethyl t-butyl ether (ETBE)	0.258	0.313	-21.3#	114	-0.01
21 TMP 2,2-Dichloropropane	0.258	0.396	-53.5#	158#	-0.01
22 TMP cis-1,2-Dichloroethene	0.333	0.338	-1.5	91	-0.01
23 TMP Chloroform	0.539	0.517	4.1	88	0.00
24 TMP 2-Butanone (MEK)	0.132	0.132	0.0	91	-0.01
25 TMP t-Amyl methyl ether (TAME)	0.540	0.634	-17.4	106	0.00
26 TMP 1,2-Dichloroethane (EDC)	0.465	0.405	12.9	86	-0.01
27 TMP 1,1,1-Trichloroethane	0.482	0.538	-11.6	102	0.00
28 TMP 1,1-Dichloropropene	0.370	0.361	2.4	89	-0.01
29 TMP Carbon tetrachloride	0.485	0.550	-13.4	106	-0.01
30 S 1,2-Dichloroethane-d4	0.062	0.058	6.5	81	0.00
31 TMP Benzene	1.118	0.992	11.3	82	0.00
32 TMP Trichloroethene	0.367	0.344	6.3	87	-0.01
33 TMP 1,2-Dichloropropane	0.241	0.211	12.4	81	0.00
34 TMP Bromodichloromethane	0.387	0.378	2.3	86	0.00
35 S Toluene-d8	0.954	0.983	-3.0	91	0.00
36 TMP Dibromomethane	0.219	0.204	6.8	85	-0.01
37 TMP 4-Methyl-2-pentanone	0.042	0.048	-14.3	99	-0.01
38 TMP cis-1,3-Dichloropropene	0.360	0.390	-8.3	106	-0.01
39 I Chlorobenzene-d5	1.000	1.000	0.0	101	0.00
40 TMP Toluene	0.907	0.733	19.2	89	0.00
41 TMP trans-1,3-Dichloropropene	0.366	0.387	-5.7	118	0.00
42 TMP 1,1,2-Trichloroethane	0.285	0.219	23.2#	83	0.00
43 TMP 2-Hexanone	0.190	0.195	-2.6	103	0.00

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111829.D
 Acq On : 18 Nov 2022 06:31 pm
 Operator : LM
 Sample : 10 ppb 8260 CCV 67-192N
 Misc : soil/water
 ALS Vial : 24 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 18 18:52:26 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 Qlast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.457	0.389	14.9	86	-0.01
45 TMP Tetrachloroethene	0.460	0.424	7.8	104	0.00
46 TMP Dibromochloromethane	0.451	0.449	0.4	108	-0.01
47 TMP 1,2-Dibromoethane (EDB)	0.360	0.343	4.7	98	-0.01
48 TMP Chlorobenzene	0.993	0.956	3.7	100	0.00
49 TMP Ethylbenzene	1.557	1.389	10.8	92	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.387	0.402	-3.9	110	0.00
51 TMP m,p-Xylene	0.612	0.584	4.6	98	0.00
52 TMP o-Xylene	0.591	0.578	2.2	101	0.00
53 TMP Styrene	0.887	0.860	3.0	97	0.00
54 TMP Isopropylbenzene	1.435	1.400	2.4	98	0.00
55 TMP Bromoform	0.299	0.312	-4.3	109	0.00
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	99	0.00
57 S 4-Bromofluorobenzene	0.689	0.665	3.5	95	0.00
58 TMP n-Propylbenzene	2.700	2.606	3.5	92	0.00
59 TMP Bromobenzene	0.837	0.880	-5.1	105	0.00
60 TMP 1,3,5-Trimethylbenzene	1.968	2.056	-4.5	103	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.626	0.557	11.0	88	0.00
62 TMP 1,2,3-Trichloropropane	0.486	0.402#	17.3	84	0.00
63 TMP 2-Chlorotoluene	1.617	1.556	3.8	93	0.00
64 TMP 4-Chlorotoluene	1.912	1.804	5.6	94	0.00
65 TMP tert-Butylbenzene	1.952	2.092	-7.2	109	0.00
66 TMP 1,2,4-Trimethylbenzene	1.996	2.159	-8.2	106	0.00
67 TMP sec-Butylbenzene	2.624	2.708	-3.2	101	0.00
68 TMP p-Isopropyltoluene	2.387	2.643	-10.7	109	0.00
69 TMP 1,3-Dichlorobenzene	1.530	1.573	-2.8	103	0.00
70 TMP 1,4-Dichlorobenzene	1.564	1.561	0.2	101	0.00
71 TMP 1,2-Dichlorobenzene	1.455	1.498	-3.0	101	0.00
72 TMP 1,2-Dibromo-3-chloropropane	0.108	0.107	0.9	101	0.00
73 TMP 1,2,4-Trichlorobenzene	0.971	1.061	-9.3	114	0.00
74 TMP Hexachlorobutadiene	0.600	0.650	-8.3	111	0.00
75 TMP Naphthalene	1.833	1.969	-7.4	113	0.00
76 TMP 1,2,3-Trichlorobenzene	0.846	0.893	-5.6	109	0.00

(#) = Out of Range

SPCC's out = 3 CCC's out = 0

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111829.D
 Acq On : 18 Nov 2022 06:31 pm
 Operator : LM
 Sample : 10 ppb 8260 CCV 67-192N
 Misc : soil/water
 ALS Vial : 24 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 18 18:52:26 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 Qlast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.73	96	94077	10.000	ppb	-0.01
39) Chlorobenzene-d5	7.40	117	87816	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	50565	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.17	113	31344	10.389	ppb	0.00
Spiked Amount	10.000	Range 50 - 150	Recovery	=	103.90%	
30) 1,2-Dichloroethane-d4	4.45	102	5502	9.411	ppb	0.00
Spiked Amount	10.000	Range 84 - 120	Recovery	=	94.10%	
35) Toluene-d8	6.11	98	92473	10.306	ppb	0.00
Spiked Amount	10.000	Range 73 - 128	Recovery	=	103.10%	
57) 4-Bromofluorobenzene	8.51	95	33644	9.656	ppb	0.00
Spiked Amount	10.000	Range 57 - 146	Recovery	=	96.60%	
Target Compounds						
2) Ethanol	2.33	45	316	No Calib		
4) Dichlorodifluoromethane	1.11	85	73969	9.828	ppb	98
5) Chloromethane	1.25	50	38994	8.491	ppb	96
6] Vinyl chloride	1.33	62	42467	8.856	ppb	97
7) Bromomethane	1.57	94	51697	12.719	ppb	97
8] Chloroethane	1.64	64	21377	9.937	ppb	94
9) Trichlorofluoromethane	1.86	101	101558	9.612	ppb	99
10) 2-Propanol	2.33	45	316	No Calib	#	
11) Acetone	2.32	58	13880	56.005	ppb	97
12] 1,1-Dichloroethene	2.26	96	26078	9.730	ppb	97
13) Hexane	3.15	57	29613	9.737	ppb	96
14) Methylene chloride	2.68	84	27532	9.734	ppb	95
15) t-Butyl alcohol (TBA)	2.82	59	13130	58.149	ppb	91
16] Methyl t-butyl ether (...)	2.92	73	68811	10.986	ppb	100
17] trans-1,2-Dichloroethene	2.91	96	28817	9.618	ppb	97
18) Diisopropyl ether (DIPE)	3.34	45	58604	8.928	ppb	99
19] 1,1-Dichloroethane	3.27	63	41808	9.590	ppb	92
20) Ethyl t-butyl ether (E...)	3.65	87	29470	12.160	ppb	88
21) 2,2-Dichloropropane	3.76	77	37299	16.358	ppb	99
22] cis-1,2-Dichloroethene	3.76	96	31829	10.156	ppb	95
23) Chloroform	4.04	83	48612	9.593	ppb	99
24) 2-Butanone (MEK)	3.78	43	62240	52.722	ppb	100
25) t-Amyl methyl ether (T...)	4.61	73	59641	11.731	ppb	90
26] 1,2-Dichloroethane (EDC)	4.52	62	38057	9.953	ppb	95
27] 1,1,1-Trichloroethane	4.19	97	50652	11.174	ppb	92
28) 1,1-Dichloropropene	4.32	75	33938	9.981	ppb	93
29) Carbon tetrachloride	4.32	117	51728	11.334	ppb	95
31] Benzene	4.50	78	93301	8.868	ppb	97
32] Trichloroethene	5.04	95	32360	9.385	ppb	91
33) 1,2-Dichloropropane	5.24	63	19834	8.750	ppb	92
34) Bromodichloromethane	5.48	83	35596	9.787	ppb	88
36) Dibromomethane	5.34	93	19217	9.308	ppb	# 80

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111829.D
 Acq On : 18 Nov 2022 06:31 pm
 Operator : LM
 Sample : 10 ppb 8260 CCV 67-192N
 Misc : soil/water
 ALS Vial : 24 Sample Multiplier: 1
 InstName : GCMS13

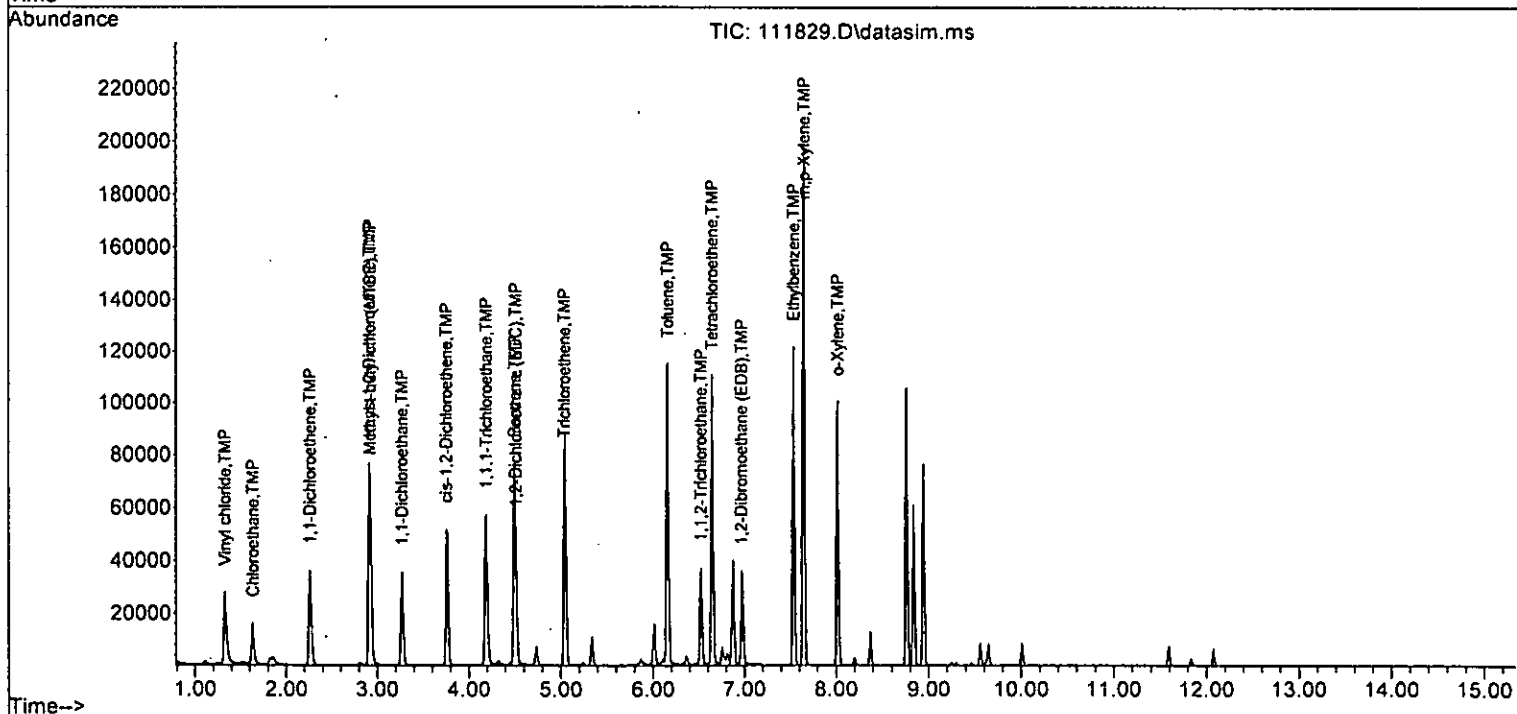
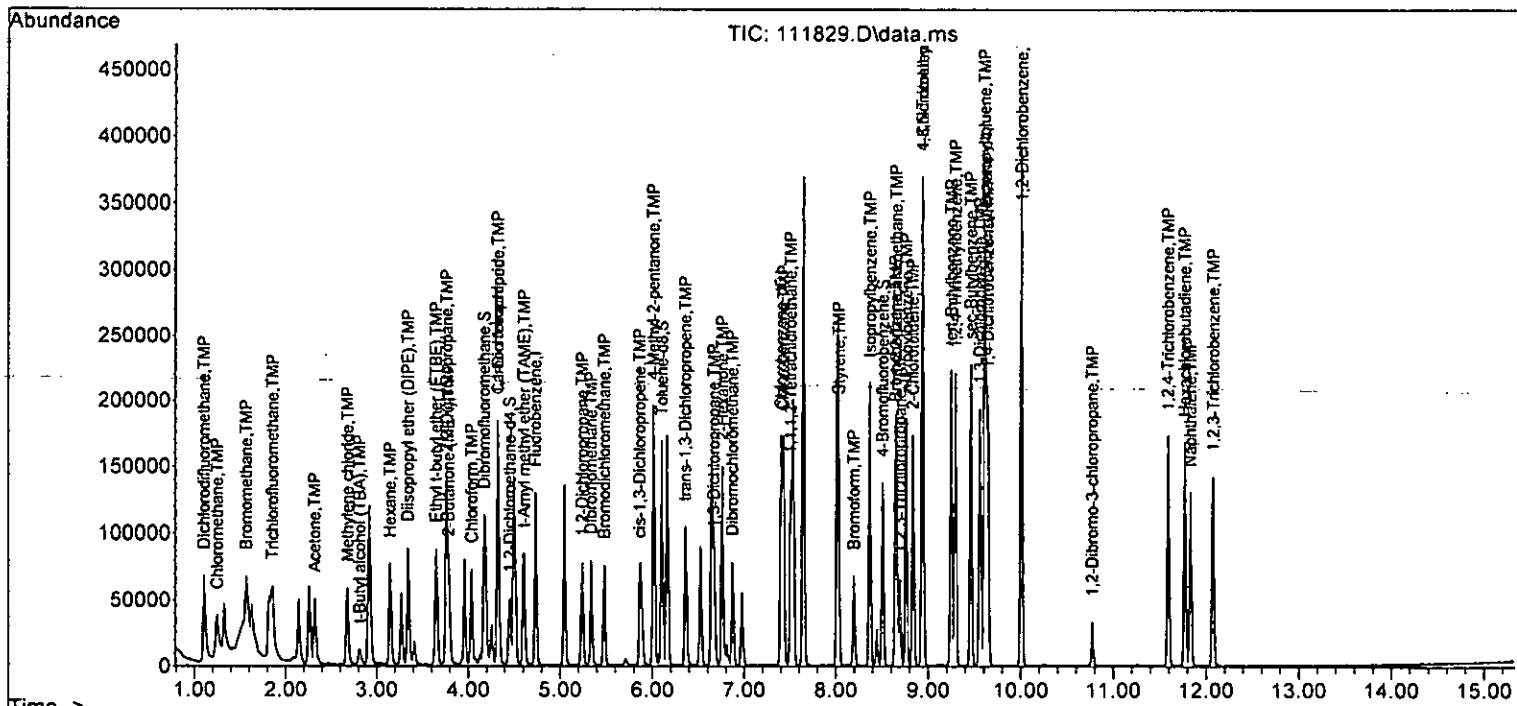
Quant Time: Nov 18 18:52:26 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	6.01	85	22417	56.166	ppb	89
38) cis-1,3-Dichloropropene	5.86	75	36652	10.819	ppb	82
40] Toluene	6.16	92	64342	9.139	ppb	93
41) trans-1,3-Dichloropropene	6.36	75	34020	10.985	ppb	91
42] 1,1,2-Trichloroethane	6.53	83	19244	8.465	ppb #	78
43) 2-Hexanone	6.76	43	85430	51.322	ppb	96
44) 1,3-Dichloropropane	6.67	76	34188	8.515	ppb	100
45] Tetrachloroethene	6.65	164	37255	10.740	ppb	92
46) Dibromochloromethane	6.87	129	39423	10.434	ppb	100
47] 1,2-Dibromoethane (EDB)	6.97	107	30080	9.527	ppb	94
48) Chlorobenzene	7.43	112	83919	9.624	ppb	92
49] Ethylbenzene	7.54	91	121968	8.921	ppb	88
50) 1,1,1,2-Tetrachloroethane	7.51	131	35277	10.392	ppb	94
51] m,p-Xylene	7.65	106	102521	19.082	ppb #	79
52] o-Xylene	8.02	106	50761	9.785	ppb #	78
53) Styrene	8.03	104	75532	9.694	ppb	93
54) Isopropylbenzene	8.37	105	122950	9.754	ppb	92
55) Bromoform	8.20	173	27373	10.425	ppb	95
58) n-Propylbenzene	8.77	91	131784	9.654	ppb	84
59) Bromobenzene	8.65	156	44483	10.505	ppb #	80
60) 1,3,5-Trimethylbenzene	8.94	105	103966	10.450	ppb	92
61) 1,1,2,2-Tetrachloroethane	8.65	83	28142	9.528	ppb	96
62) 1,2,3-Trichloropropane	8.70	75	20314	8.263	ppb	86
63) 2-Chlorotoluene	8.84	91	78701	9.627	ppb	86
64) 4-Chlorotoluene	8.94	91	91216	9.435	ppb	89
65) tert-Butylbenzene	9.25	119	105795	10.719	ppb	88
66) 1,2,4-Trimethylbenzene	9.30	105	109148	10.813	ppb	91
67) sec-Butylbenzene	9.46	105	136952	10.323	ppb	93
68) p-Isopropyltoluene	9.61	119	133660	11.074	ppb	95
69) 1,3-Dichlorobenzene	9.56	146	79529	10.283	ppb	94
70) 1,4-Dichlorobenzene	9.64	146	78922	9.980	ppb	94
71) 1,2-Dichlorobenzene	10.01	146	75765	10.301	ppb	96
72) 1,2-Dibromo-3-chloropr...	10.77	75	5396	9.890	ppb	80
73) 1,2,4-Trichlorobenzene	11.59	180	53630	10.928	ppb	97
74) Hexachlorobutadiene	11.77	225	32862	10.837	ppb	97
75) Naphthalene	11.83	128	99579	10.583	ppb	99
76) 1,2,3-Trichlorobenzene	12.08	180	45163	10.558	ppb	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111829.D
 Acq On : 18 Nov 2022 06:31 pm
 Operator : LM
 Sample : 10 ppb 8260 CCV 67-192N
 Misc : soil/water
 ALS Vial : 24 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 18 18:52:26 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

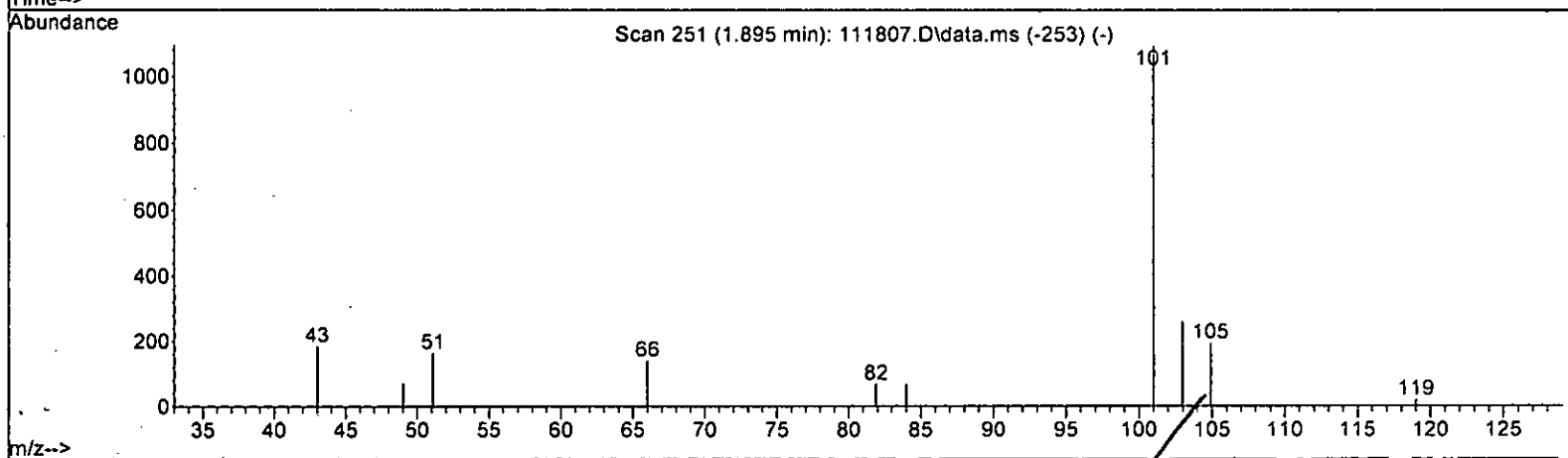
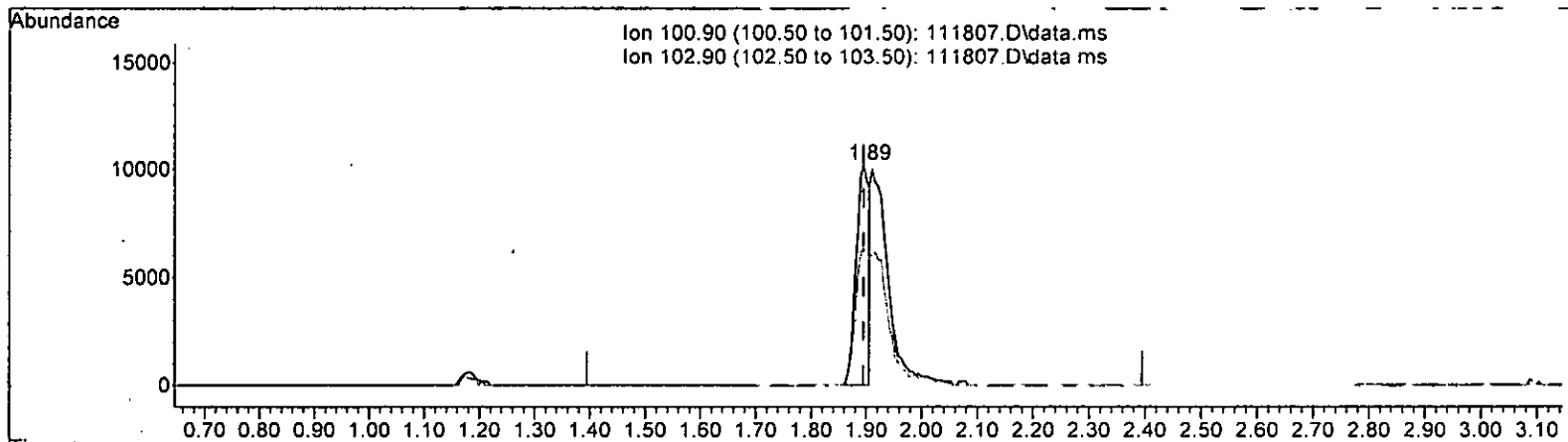


EPA 8260D
Quality Assurance Data

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS4\11-18-22\
 Data File : 111807.D
 Acq On : 18 Nov 2022 1:09 pm
 Operator : lm
 Sample : 02-2753 lcs
 Misc : soil
 ALS Vial : 7 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 18 15:47:43 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



TIC: 111807.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.895min (-0.000) 5.140 ppb

response 16867

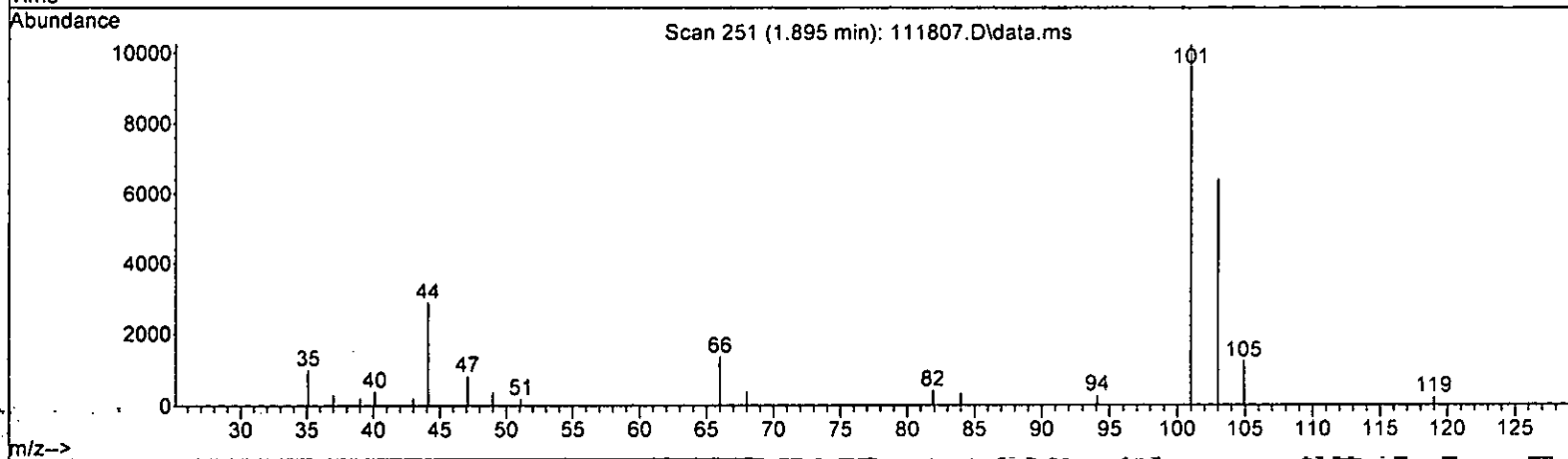
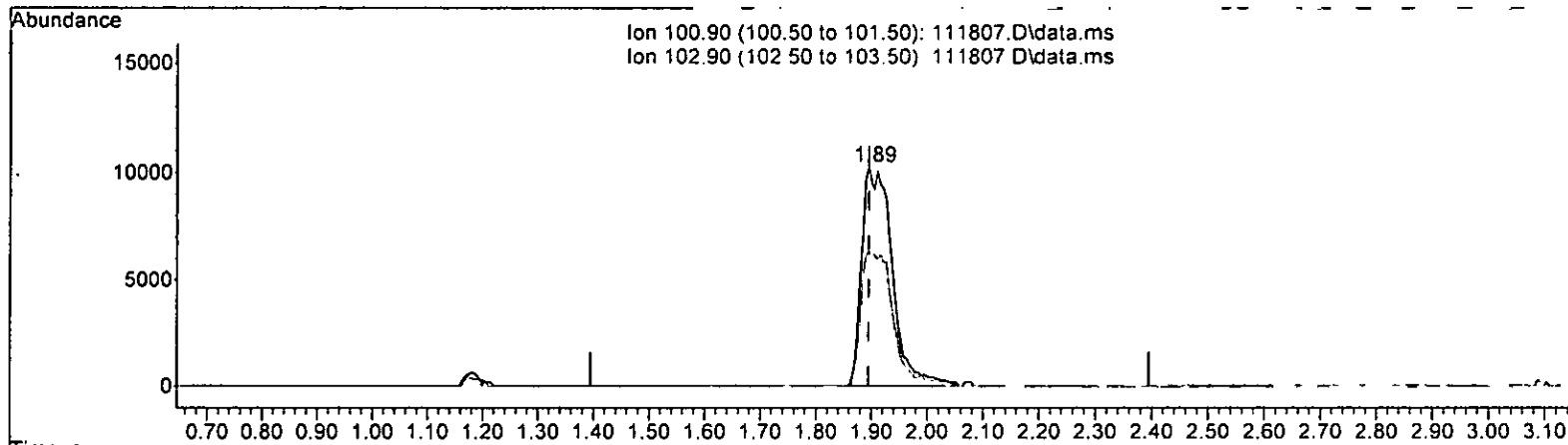
Ion	Exp%	Act%
100.90	100.00	100.00
102.90	61.00	62.60
0.00	0.00	0.00
0.00	0.00	0.00

lm 11.22.22

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS4\11-18-22\
 Data File : 111807.D
 Acq On : 18 Nov 2022 1:09 pm
 Operator : lm
 Sample : 02-2753 lcs
 Misc : soil
 ALS Vial : 7 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 18 15:47:43 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



TIC: 111807.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.895min (-0.000) 11.808 ppb m

response 38750

Ion	Exp%	Act%
100.90	100.00	100.00
102.90	61.00	62.60
0.00	0.00	0.00
0.00	0.00	0.00

lm 11.22.22

Data Path : Y:\Proc_GCMS4\11-18-22\
 Data File : 111807.D
 Acq On : 18 Nov 2022 1:09 pm
 Operator : lm
 Sample : 02-2753 lcs
 Misc : soil
 ALS Vial : 7 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 18 15:47:43 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	4.78	96	58427	10.000	ppb	0.00	
39) Chlorobenzene-d5	7.43	117	54899	10.000	ppb	0.00	
56) 1,4-Dichlorobenzene-d4	9.65	152	36699	10.000	ppb	0.00	
System Monitoring Compounds							
3) Dibromofluoromethane	4.21	113	16833	10.480	ppb	0.00	
Spiked Amount	10.000	Range	0 - 1000	Recovery	=	104.80%	
30) 1,2-Dichloroethane-d4	4.49	102	3628	9.780	ppb	0.00	
Spiked Amount	10.000	Range	90 - 109	Recovery	=	97.80%	
35) Toluene-d8	6.14	98	62845	10.737	ppb	0.00	
Spiked Amount	10.000	Range	89 - 112	Recovery	=	107.40%	
57) 4-Bromofluorobenzene	8.54	95	25487	9.903	ppb	0.00	
Spiked Amount	10.000	Range	84 - 115	Recovery	=	99.00%	
Target Compounds							
							Qvalue
2) Ethanol	1.07	45	541	No Calib	#		
4) Dichlorodifluoromethane	1.18	85	13653	5.705	ppb		96
5) Chloromethane	1.31	50	19253	8.677	ppb		98
6) Vinyl chloride	1.40	62	19820	9.416	ppb		98
7) Bromomethane	1.64	94	16574	16.933	ppb		93
8) Chloroethane	1.71	64	12987	11.764	ppb		100
9) Trichlorofluoromethane	1.89	101	38750m	11.808	ppb		
10) 2-Propanol	2.98	45	2929	No Calib			
11) Acetone	2.38	58	17372	110.496	ppb		96
12) 1,1-Dichloroethene	2.32	96	20819	10.688	ppb		84
13) Hexane	3.21	57	22125	10.866	ppb		95
14) Methylene chloride	2.73	84	22932	10.931	ppb		86
15) t-Butyl alcohol (TBA)	2.87	59	16016	53.502	ppb		95
16) Methyl t-butyl ether (...)	2.98	73	62773	11.060	ppb		99
17) trans-1,2-Dichloroethene	2.97	96	22271	10.802	ppb	#	81
18) Diisopropyl ether (DIPE)	3.40	45	56390	10.862	ppb		94
19) 1,1-Dichloroethane	3.32	63	35019	11.187	ppb		97
20) Ethyl t-butyl ether (E...)	3.70	87	27512	11.080	ppb	#	80
21) 2,2-Dichloropropane	3.81	77	26125	13.007	ppb		93
22) cis-1,2-Dichloroethene	3.80	96	25210	11.296	ppb	#	82
23) Chloroform	4.08	83	38898	11.468	ppb		96
24) 2-Butanone (MEK)	3.83	43	64722	59.524	ppb		95
25) t-Amyl methyl ether (T...)	4.65	73	61707	10.960	ppb		97
26) 1,2-Dichloroethane (EDC)	4.55	62	28967	11.315	ppb		95
27) 1,1,1-Trichloroethane	4.23	97	34612	11.127	ppb		93
28) 1,1-Dichloropropene	4.37	75	29709	11.347	ppb		91
29) Carbon tetrachloride	4.37	117	32944	11.765	ppb		95
31) Benzene	4.54	78	85347	11.362	ppb		92
32) Trichloroethene	5.09	95	24368	11.185	ppb	#	77
33) 1,2-Dichloropropane	5.27	63	19723	11.869	ppb		97
34) Bromodichloromethane	5.51	83	27917	11.069	ppb		97
36) Dibromomethane	5.37	93	14704	11.666	ppb	#	79

Data Path : Y:\Proc_GCMS4\11-18-22\
 Data File : 111807.D
 Acq On : 18 Nov 2022 1:09 pm
 Operator : lm
 Sample : 02-2753 lcs
 Misc : soil
 ALS Vial : 7 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 18 15:47:43 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

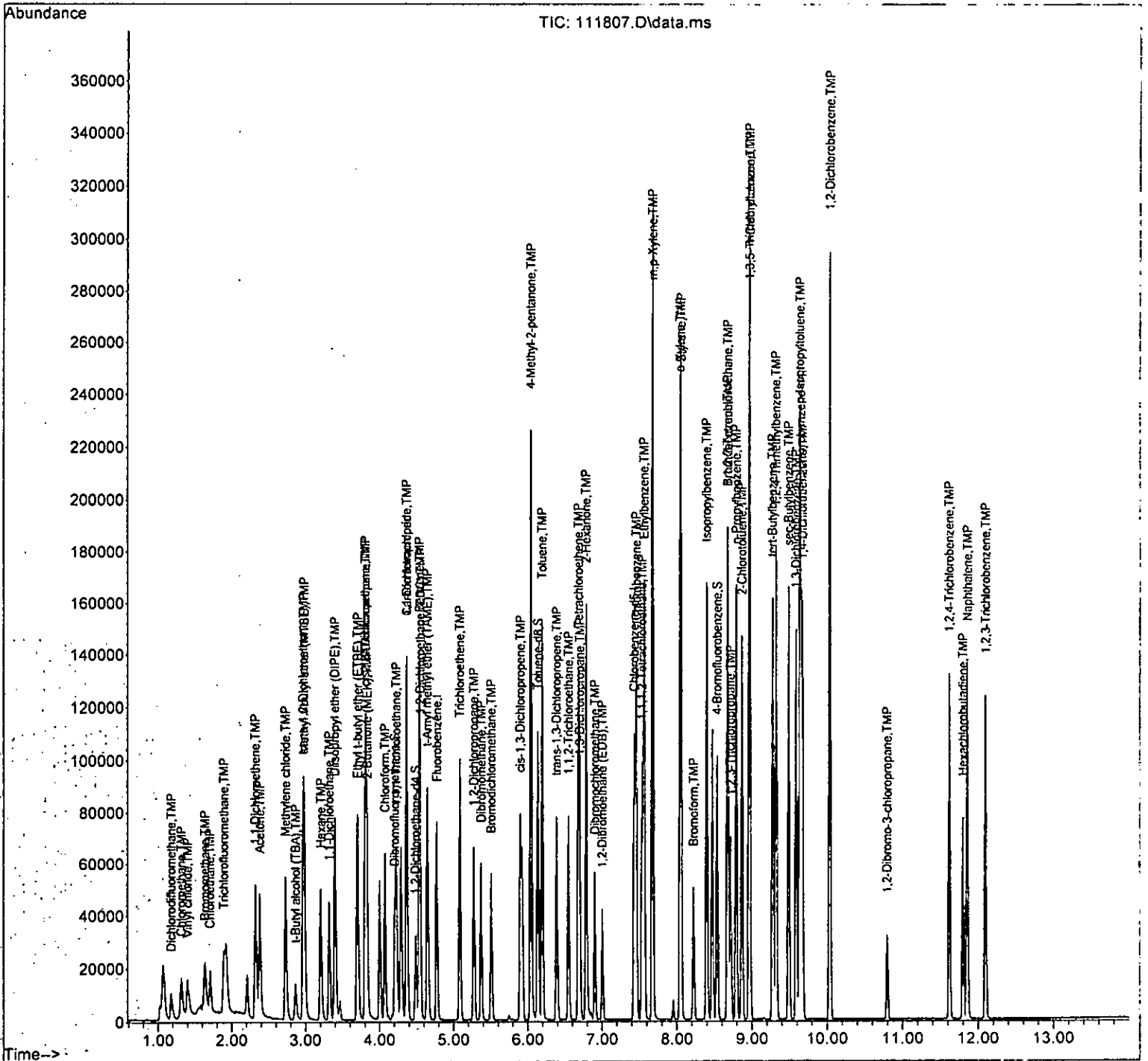
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	6.04	85	24967	55.574	ppb #	79
38) cis-1,3-Dichloropropene	5.90	75	32908	11.171	ppb	90
40) Toluene	6.19	92	53613	10.092	ppb	99
41) trans-1,3-Dichloropropene	6.39	75	30785	10.142	ppb	93
42) 1,1,2-Trichloroethane	6.55	83	16636	10.339	ppb	91
43) 2-Hexanone	6.79	43	81298	46.215	ppb	97
44) 1,3-Dichloropropane	6.70	76	30870	10.038	ppb	97
45) Tetrachloroethene	6.69	164	25358	10.721	ppb	95
46) Dibromochloromethane	6.91	129	25271	10.901	ppb	97
47) 1,2-Dibromoethane (EDB)	7.00	107	22434	10.262	ppb	96
48) Chlorobenzene	7.46	112	64291	10.200	ppb	88
49) Ethylbenzene	7.56	91	102543	10.123	ppb	95
50) 1,1,1,2-Tetrachloroethane	7.54	131	24210	10.363	ppb	97
51) m,p-Xylene	7.67	106	83787	20.460	ppb	91
52) o-Xylene	8.05	106	42277	10.390	ppb	83
53) Styrene	8.06	104	68147	9.867	ppb	88
54) Isopropylbenzene	8.40	105	101239	9.819	ppb	95
55) Bromoform	8.22	173	21860	11.605	ppb	95
58) n-Propylbenzene	8.79	91	114898	9.891	ppb	90
59) Bromobenzene	8.68	156	33902	10.087	ppb #	78
60) 1,3,5-Trimethylbenzene	8.97	105	87799	10.240	ppb	89
61) 1,1,2,2-Tetrachloroethane	8.68	83	30342	10.257	ppb	96
62) 1,2,3-Trichloropropane	8.72	75	23046	10.287	ppb	96
63) 2-Chlorotoluene	8.87	91	69180	9.976	ppb	88
64) 4-Chlorotoluene	8.97	91	81916	9.907	ppb	83
65) tert-Butylbenzene	9.27	119	76444	10.100	ppb	86
66) 1,2,4-Trimethylbenzene	9.32	105	90065	10.087	ppb	93
67) sec-Butylbenzene	9.49	105	103609	10.196	ppb	94
68) p-Isopropyltoluene	9.64	119	94343	10.179	ppb	92
69) 1,3-Dichlorobenzene	9.59	146	61943	10.393	ppb	95
70) 1,4-Dichlorobenzene	9.67	146	61146	9.945	ppb	97
71) 1,2-Dichlorobenzene	10.03	146	59297	10.131	ppb	92
72) 1,2-Dibromo-3-chloropr...	10.80	75	6126	9.988	ppb #	50
73) 1,2,4-Trichlorobenzene	11.62	180	42470	9.641	ppb	99
74) Hexachlorobutadiene	11.80	225	16880	9.941	ppb	96
75) Naphthalene	11.86	128	103814	9.567	ppb	99
76) 1,2,3-Trichlorobenzene	12.10	180	40076	9.613	ppb	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS4\11-18-22\
 Data File : 111807.D
 Acq On : 18 Nov 2022 1:09 pm
 Operator : lm
 Sample : 02-2753 lcs
 Misc : soil
 ALS Vial : 7 Sample Multiplier: 1
 InstName : GCMS4

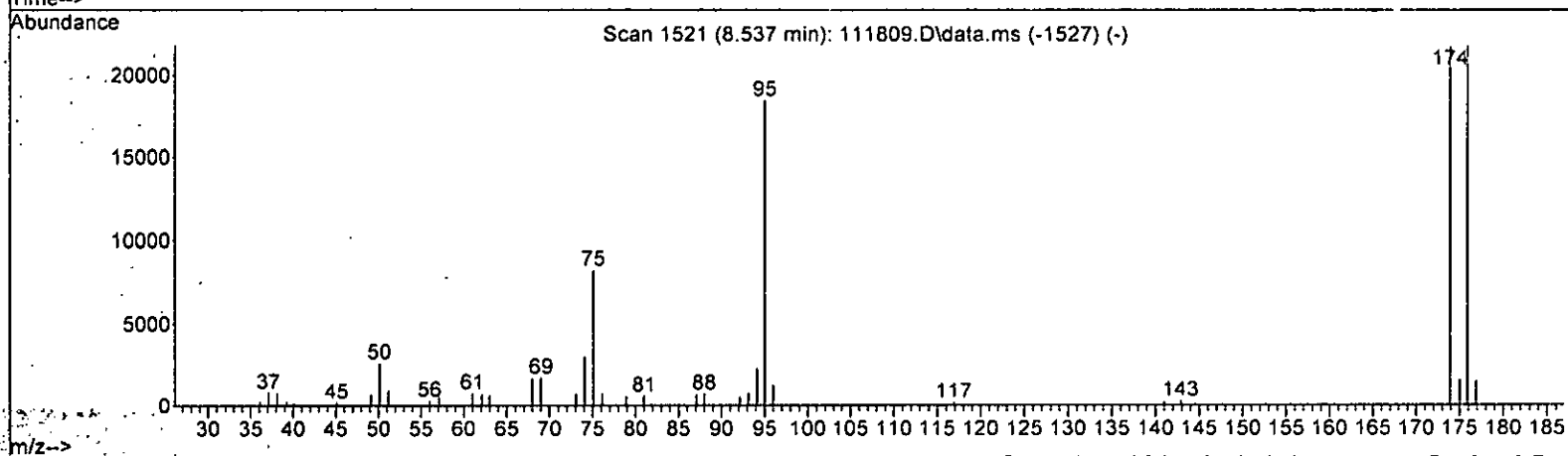
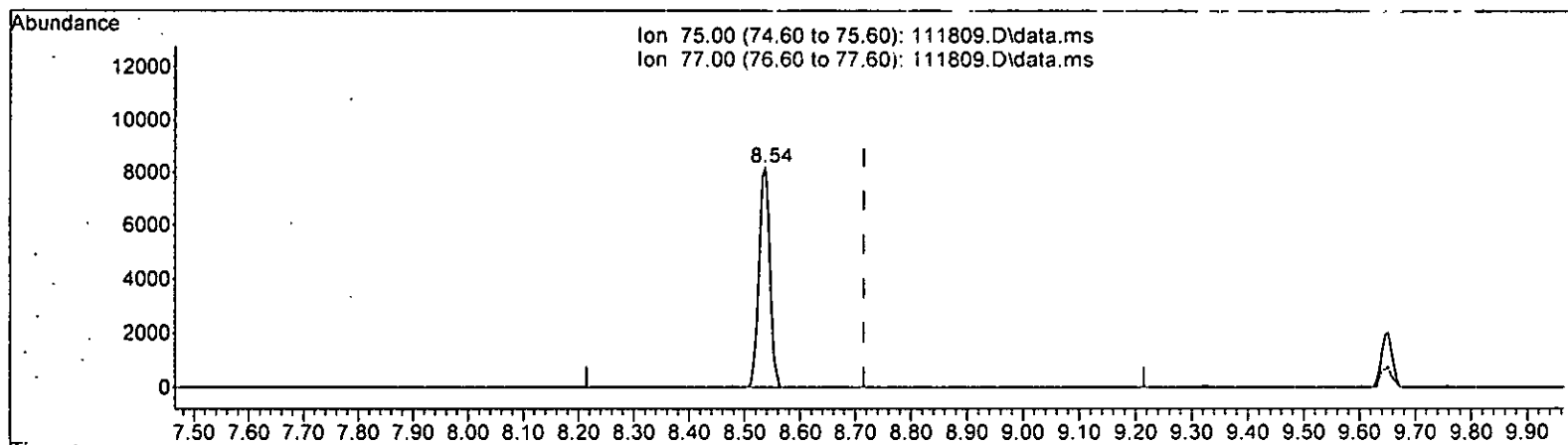
Quant Time: Nov 18 15:47:43 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS4\11-18-22\
 Data File : 111809.D
 Acq On : 18 Nov 2022 4:33 pm
 Operator : lm
 Sample : 02-2753 mb
 Misc : soil
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 22 09:07:47 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



TIC: 111809.D\data.ms

(62) 1,2,3-Trichloropropane (TMP)

8.537min (-0.178) 5.032 ppb

response	11200
Ion	Exp% Act%
75.00	100.00 100.00
77.00	32.90 0.00#
0.00	0.00 0.00
0.00	0.00 0.00

Data Path : Y:\Proc_GCMS4\11-18-22\
 Data File : 111809.D
 Acq On : 18 Nov 2022 4:33 pm
 Operator : lm
 Sample : 02-2753 mb
 Misc : soil
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 22 09:07:47 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

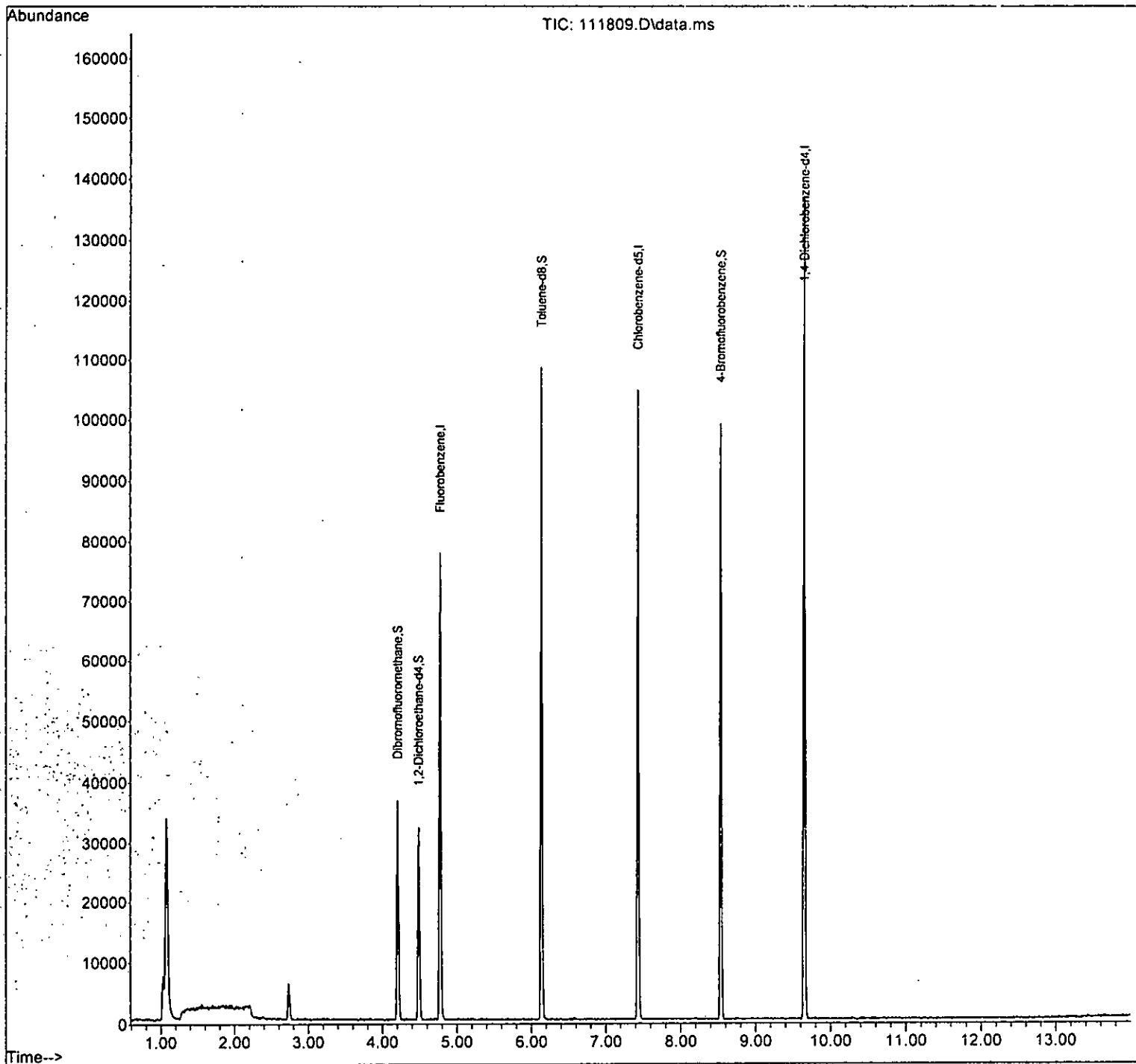
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	4.78	96	58544	10.000	ppb	0.00
39) Chlorobenzene-d5	7.43	117	53335	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.65	152	36463	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.21	113	16917	10.512	ppb	0.00
Spiked Amount	10.000	Range	0 - 1000	Recovery	=	105.10%
30) 1,2-Dichloroethane-d4	4.49	102	3656	9.836	ppb	0.00
Spiked Amount	10.000	Range	90 - 109	Recovery	=	98.40%
35) Toluene-d8	6.14	98	61137	10.425	ppb	0.00
Spiked Amount	10.000	Range	89 - 112	Recovery	=	104.20%
57) 4-Bromofluorobenzene	8.54	95	24904	9.739	ppb	0.00
Spiked Amount	10.000	Range	84 - 115	Recovery	=	97.40%
Target Compounds						
14) Methylene chloride	2.73	84	2761	Below Cal		Qvalue 81

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS4\11-18-22\
 Data File : 111809.D
 Acq On : 18 Nov 2022 4:33 pm
 Operator : lm
 Sample : 02-2753 mb
 Misc : soil
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 22 09:07:47 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



Data Path : Y:\Proc_GCMS4\11-18-22\
 Data File : 111809.D
 Acq On : 18 Nov 2022 4:33 pm
 Operator : lm
 Sample : 02-2753 mb
 Misc : soil
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 22 09:07:47 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	4.78	96	58544	10.000	ppb	0.00
39) Chlorobenzene-d5	7.43	117	53335	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.65	152	36463	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.21	113	16917	10.512	ppb	0.00
Spiked Amount	10.000	Range	0 - 1000	Recovery	=	105.10%
30) 1,2-Dichloroethane-d4	4.49	102	3656	9.836	ppb	0.00
Spiked Amount	10.000	Range	90 - 109	Recovery	=	98.40%
35) Toluene-d8	6.14	98	61137	10.425	ppb	0.00
Spiked Amount	10.000	Range	89 - 112	Recovery	=	104.20%
57) 4-Bromofluorobenzene	8.54	95	24904	9.739	ppb	0.00
Spiked Amount	10.000	Range	84 - 115	Recovery	=	97.40%
Target Compounds						
2) Ethanol	1.08	45	809	No Calib	#	
4) Dichlorodifluoromethane	0.00		0	N.D.		
5) Chloromethane	0.00		0	N.D.		
6) Vinyl chloride	0.00		0	N.D.		
7) Bromomethane	1.63	94	251	N.D.		
8) Chloroethane	0.00		0	N.D.		
9) Trichlorofluoromethane	0.00		0	N.D.		
10) 2-Propanol	0.00		0	N.D.		
11) Acetone	0.00		0	N.D.		
12) 1,1-Dichloroethene	0.00		0	N.D.		
13) Hexane	0.00		0	N.D.		
14) Methylene chloride	2.73	84	2761	Below Cal		81
15) t-Butyl alcohol (TBA)	0.00		0	N.D.		
16) Methyl t-butyl ether (...)	0.00		0	N.D.		
17) trans-1,2-Dichloroethene	0.00		0	N.D.		
18) Diisopropyl ether (DIPE)	0.00		0	N.D.		
19) 1,1-Dichloroethane	0.00		0	N.D.		
20) Ethyl t-butyl ether (E...)	0.00		0	N.D.		
21) 2,2-Dichloropropane	0.00		0	N.D.		
22) cis-1,2-Dichloroethene	0.00		0	N.D.		
23) Chloroform	0.00		0	N.D.		
24) 2-Butanone (MEK)	0.00		0	N.D.		
25) t-Amyl methyl ether (T...)	0.00		0	N.D.		
26) 1,2-Dichloroethane (EDC)	0.00		0	N.D.		
27) 1,1,1-Trichloroethane	0.00		0	N.D.		
28) 1,1-Dichloropropene	0.00		0	N.D.		
29) Carbon tetrachloride	0.00		0	N.D.		
31) Benzene	0.00		0	N.D.		
32) Trichloroethene	0.00		0	N.D.		
33) 1,2-Dichloropropane	0.00		0	N.D.		
34) Bromodichloromethane	0.00		0	N.D.		
36) Dibromomethane	0.00		0	N.D.		

Data Path : Y:\Proc_GCMS4\11-18-22\
 Data File : 111809.D
 Acq On : 18 Nov 2022 4:33 pm
 Operator : lm
 Sample : 02-2753 mb
 Misc : soil
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS4

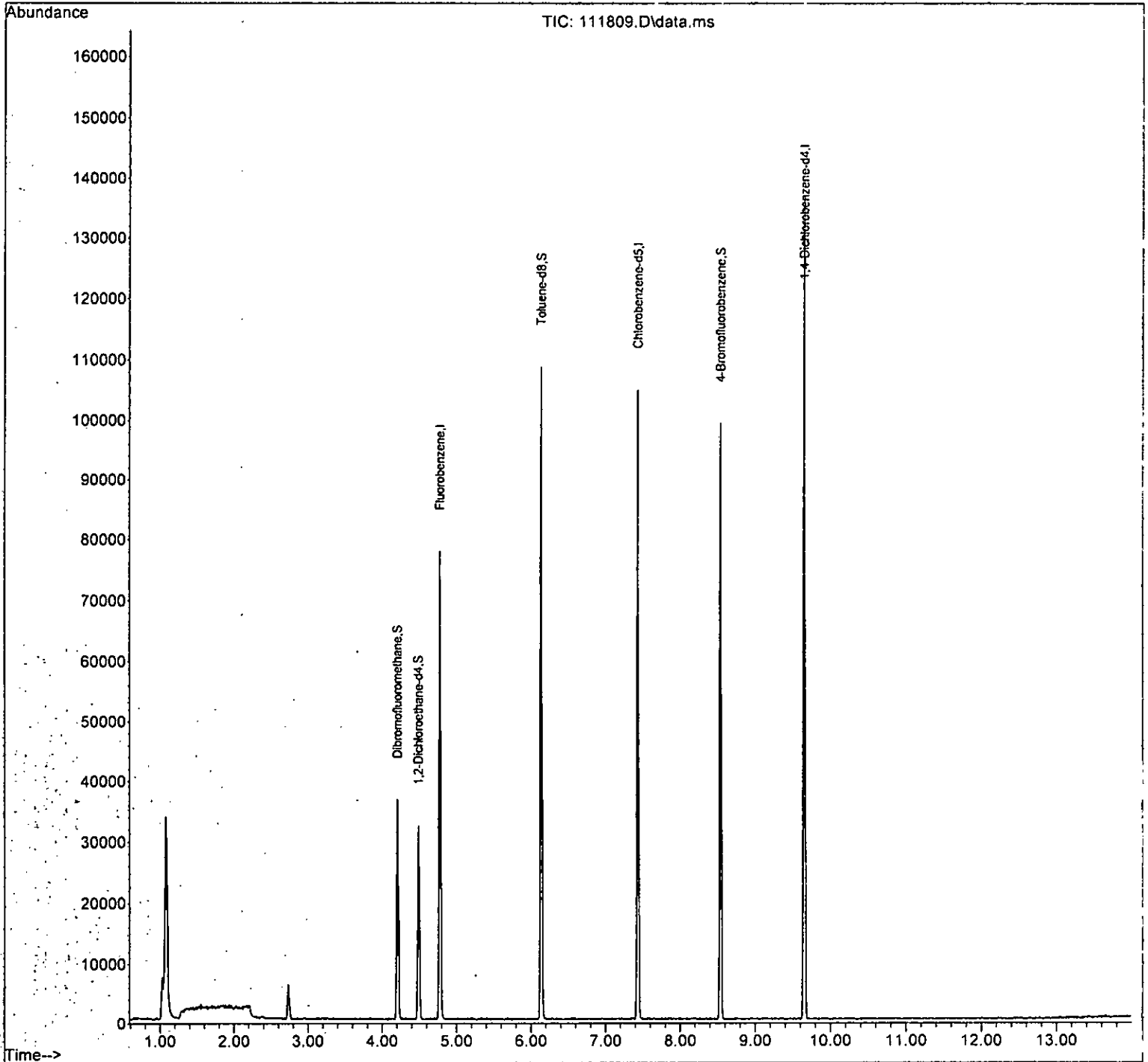
Quant Time: Nov 22 09:07:47 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.00		0		N.D.	
38) cis-1,3-Dichloropropene	0.00		0		N.D.	
40) Toluene	0.00		0		N.D.	
41) trans-1,3-Dichloropropene	0.00		0		N.D.	
42) 1,1,2-Trichloroethane	0.00		0		N.D.	
43) 2-Hexanone	0.00		0		N.D.	
44) 1,3-Dichloropropane	0.00		0		N.D.	
45) Tetrachloroethene	0.00		0		N.D.	
46) Dibromochloromethane	0.00		0		N.D.	
47) 1,2-Dibromoethane (EDB)	0.00		0		N.D.	
48) Chlorobenzene	0.00		0		N.D.	
49) Ethylbenzene	0.00		0		N.D.	
50) 1,1,1,2-Tetrachloroethane	0.00		0		N.D.	
51) m,p-Xylene	0.00		0		N.D.	
52) o-Xylene	0.00		0		N.D.	
53) Styrene	0.00		0		N.D.	
54) Isopropylbenzene	0.00		0		N.D.	
55) Bromoform	0.00		0		N.D.	
58) n-Propylbenzene	0.00		0		N.D.	
59) Bromobenzene	0.00		0		N.D.	
60) 1,3,5-Trimethylbenzene	0.00		0		N.D.	
61) 1,1,2,2-Tetrachloroethane	0.00		0		N.D.	
62) 1,2,3-Trichloropropane	0.00		0		N.D.	d
63) 2-Chlorotoluene	0.00		0		N.D.	
64) 4-Chlorotoluene	0.00		0		N.D.	
65) tert-Butylbenzene	0.00		0		N.D.	
66) 1,2,4-Trimethylbenzene	0.00		0		N.D.	
67) sec-Butylbenzene	0.00		0		N.D.	
68) p-Isopropyltoluene	0.00		0		N.D.	
69) 1,3-Dichlorobenzene	0.00		0		N.D.	
70) 1,4-Dichlorobenzene	0.00		0		N.D.	
71) 1,2-Dichlorobenzene	0.00		0		N.D.	
72) 1,2-Dibromo-3-chloropr...	0.00		0		N.D.	
73) 1,2,4-Trichlorobenzene	0.00		0		N.D.	
74) Hexachlorobutadiene	0.00		0		N.D.	
75) Naphthalene	0.00		0		N.D.	
76) 1,2,3-Trichlorobenzene	0.00		0		N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS4\11-18-22\
 Data File : 111809.D
 Acq On : 18 Nov 2022 4:33 pm
 Operator : lm
 Sample : 02-2753 mb
 Misc : soil
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS4

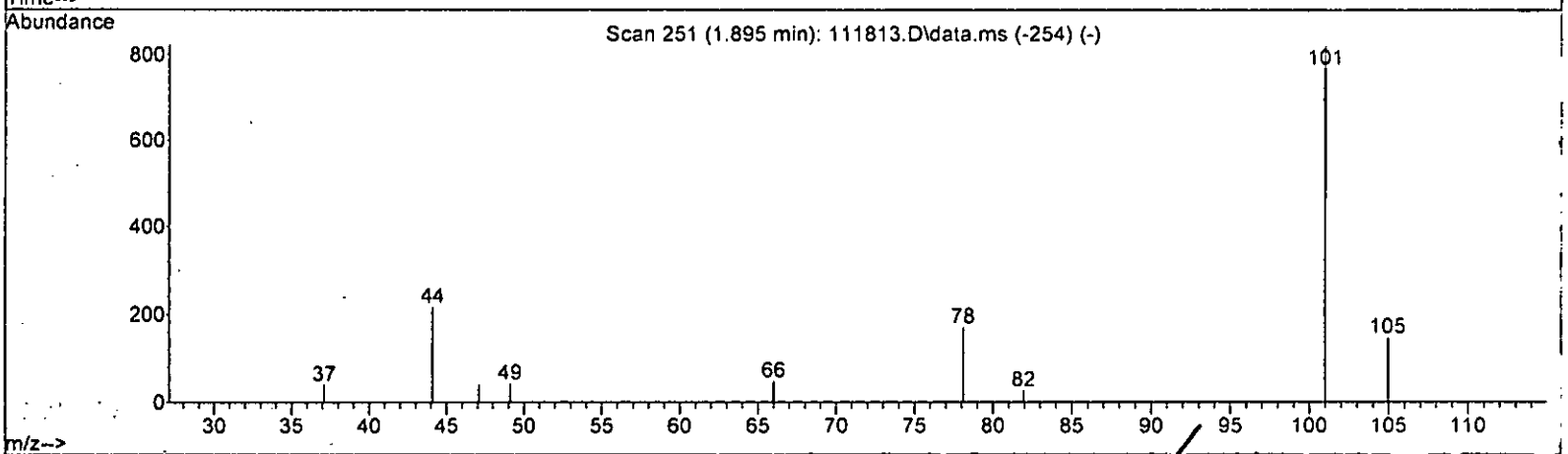
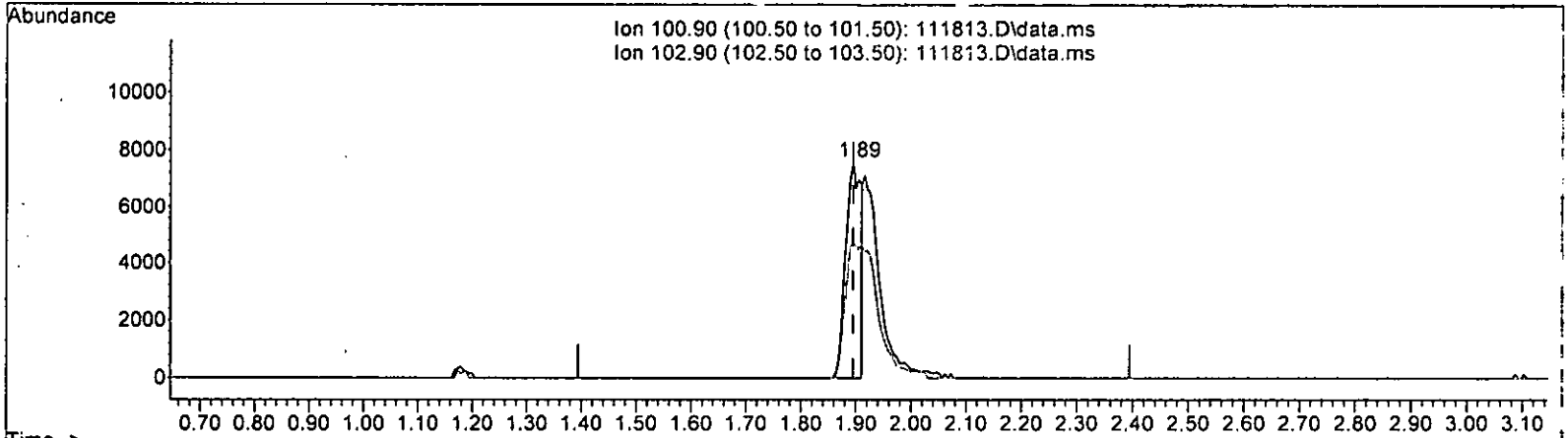
Quant Time: Nov 22 09:07:47 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS4\11-18-22\
 Data File : 111813.D
 Acq On : 18 Nov 2022 7:59 pm
 Operator : lm
 Sample : 211237-01 ms
 Misc : soil
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 22 09:07:59 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



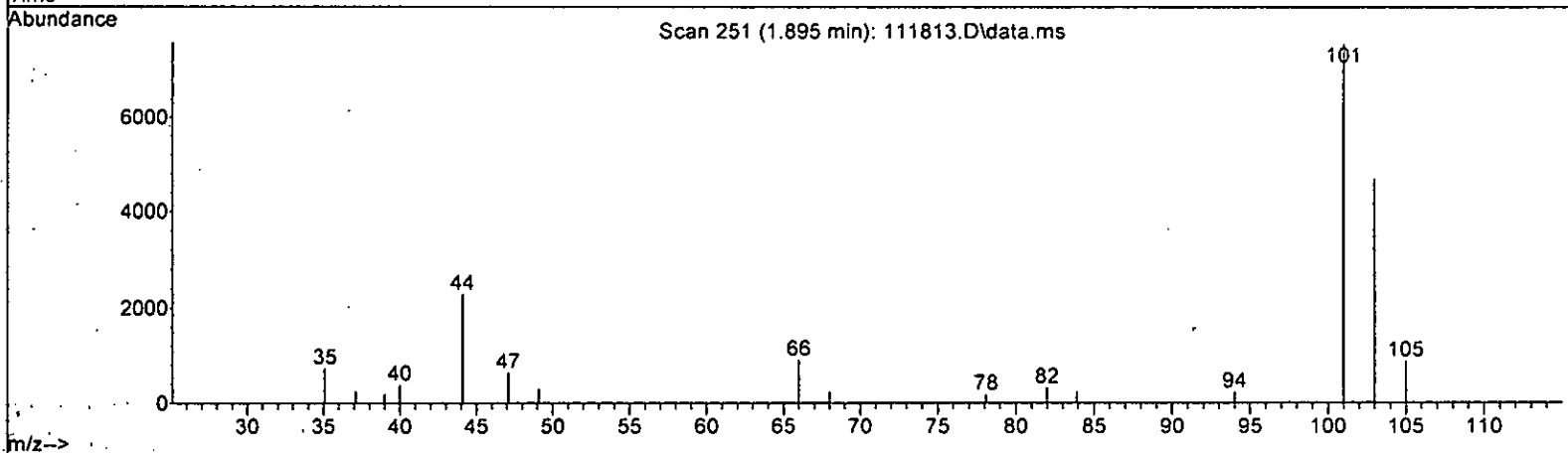
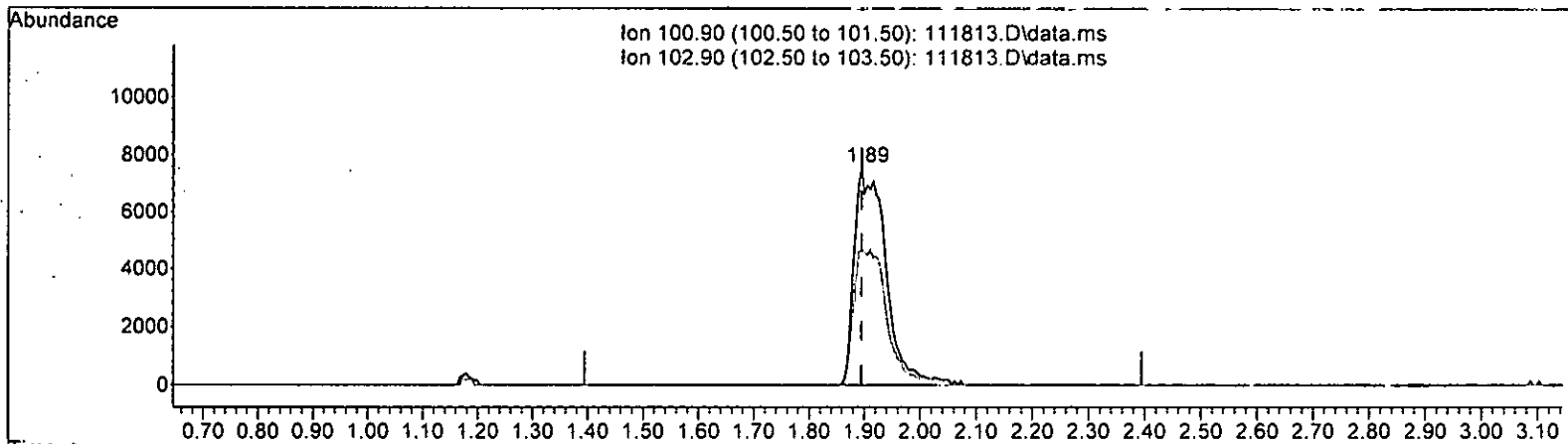
TIC: 111813.D\data.ms *11.22.22*

(9) Trichlorofluoromethane (TMP)		
Retention Time	Concentration	Response
1.895min (-0.000)	4.129 ppb	14587
Ion	Exp%	Act%
100.90	100.00	100.00
102.90	61.00	61.67
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS4\11-18-22\
 Data File : 111813.D
 Acq On : 18 Nov 2022 7:59 pm
 Operator : lm
 Sample : 211237-01 ms
 Misc : soil
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 22 09:07:59 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



TIC: 111813.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.895min (-0.000) 8.327 ppb m

response 29420

Ion	Exp%	Act%
100.90	100.00	100.00
102.90	61.00	61.67
0.00	0.00	0.00
0.00	0.00	0.00

lm 11/22.25

Data Path : Y:\Proc_GCMS4\11-18-22\
 Data File : 111813.D
 Acq On : 18 Nov 2022 7:59 pm
 Operator : lm
 Sample : 211237-01 ms
 Misc : soil
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 22 09:07:59 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	4.77	96	62898	10.000	ppb	0.00
39) Chlorobenzene-d5	7.43	117	59930	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.65	152	38633	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.21	113	17832	10.313	ppb	0.00
Spiked Amount	10.000	Range	0 - 1000	Recovery	=	103.10%
30) 1,2-Dichloroethane-d4	4.49	102	3938	9.861	ppb	0.00
Spiked Amount	10.000	Range	90 - 109	Recovery	=	98.60%
35) Toluene-d8	6.14	98	68368	10.851	ppb	0.00
Spiked Amount	10.000	Range	89 - 112	Recovery	=	108.50%
57) 4-Bromofluorobenzene	8.54	95	27972	10.324	ppb	0.00
Spiked Amount	10.000	Range	84 - 115	Recovery	=	103.20%
Target Compounds						
2) Ethanol	1.07	45	282	No Calib	#	
4) Dichlorodifluoromethane	1.18	85	7370	2.861	ppb	99
5) Chloromethane	1.31	50	15984	6.691	ppb	97
6) Vinyl chloride	1.40	62	16095	7.103	ppb	96
7) Bromomethane	1.64	94	13039	12.375	ppb	89
8) Chloroethane	1.71	64	10611	8.929	ppb	95
9) Trichlorofluoromethane	1.89	101	29420m	8.327	ppb	
10) 2-Propanol	2.98	45	2886	No Calib		
11) Acetone	2.38	58	16107	95.970	ppb	88
12) 1,1-Dichloroethene	2.32	96	17781	8.480	ppb	# 81
13) Hexane	3.21	57	17480	7.975	ppb	92
14) Methylene chloride	2.73	84	23732	10.446	ppb	83
15) t-Butyl alcohol (TBA)	2.87	59	15504	48.110	ppb	98
16) Methyl t-butyl ether (...)	2.98	73	59630	9.759	ppb	98
17) trans-1,2-Dichloroethene	2.97	96	19699	8.876	ppb	82
18) Diisopropyl ether (DIPE)	3.40	45	53243	9.527	ppb	93
19) 1,1-Dichloroethane	3.32	63	31837	9.447	ppb	98
20) Ethyl t-butyl ether (E...)	3.70	87	25610	9.581	ppb	# 80
21) 2,2-Dichloropropane	3.81	77	22871	10.533	ppb	95
22) cis-1,2-Dichloroethene	3.80	96	23356	9.721	ppb	# 81
23) Chloroform	4.08	83	35945	9.843	ppb	98
24) 2-Butanone (MEK)	3.83	43	62039	53.000	ppb	94
25) t-Amyl methyl ether (T...)	4.65	73	58490	9.650	ppb	99
26) 1,2-Dichloroethane (EDC)	4.55	62	27567	10.003	ppb	99
27) 1,1,1-Trichloroethane	4.23	97	31454	9.393	ppb	94
28) 1,1-Dichloropropene	4.37	75	27303	9.687	ppb	87
29) Carbon tetrachloride	4.37	117	29322	9.727	ppb	93
31) Benzene	4.54	78	79544	9.837	ppb	93
32) Trichloroethene	5.09	95	22591	9.632	ppb	# 78
33) 1,2-Dichloropropane	5.27	63	18518	10.351	ppb	97
34) Bromodichloromethane	5.51	83	26623	9.805	ppb	97
36) Dibromomethane	5.37	93	13999	10.317	ppb	# 81

Data Path : Y:\Proc_GCMS4\11-18-22\
 Data File : 111813.D
 Acq On : 18 Nov 2022 7:59 pm
 Operator : lm
 Sample : 211237-01 ms
 Misc : soil
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 22 09:07:59 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 Qlast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

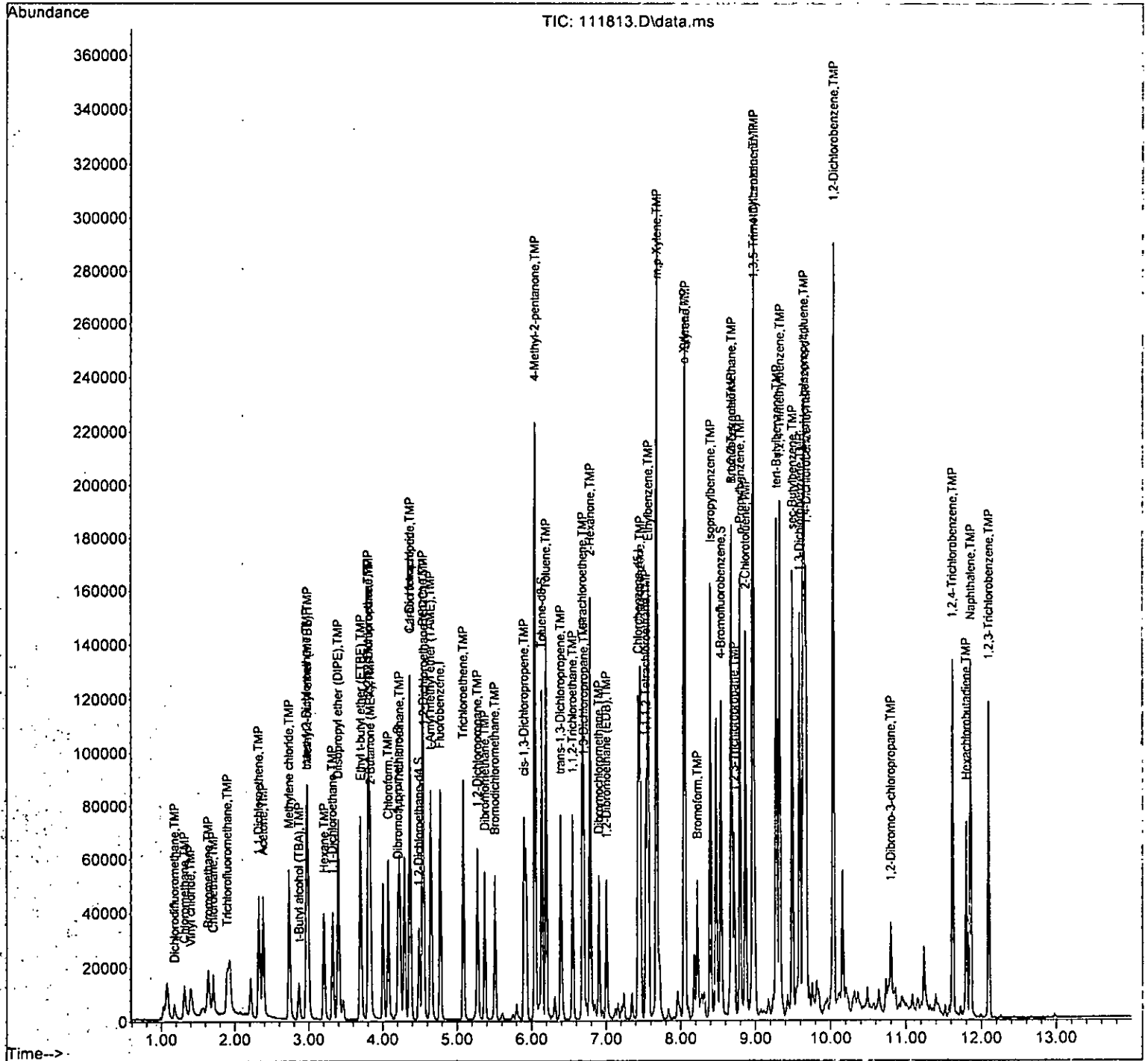
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	6.04	85	24202	50.041	ppb	# 82
38) cis-1,3-Dichloropropene	5.90	75	31208	9.841	ppb	91
40) Toluene	6.19	92	51958	8.959	ppb	99
41) trans-1,3-Dichloropropene	6.39	75	29035	8.763	ppb	97
42) 1,1,2-Trichloroethane	6.55	83	15971	9.093	ppb	92
43) 2-Hexanone	6.79	43	78989	41.133	ppb	96
44) 1,3-Dichloropropane	6.70	76	29997	8.935	ppb	100
45) Tetrachloroethene	6.69	164	23357	9.046	ppb	97
46) Dibromochloromethane	6.90	129	23582	9.336	ppb	99
47) 1,2-Dibromoethane (EDB)	7.00	107	22012	9.224	ppb	99
48) Chlorobenzene	7.46	112	60997	8.865	ppb	89
49) Ethylbenzene	7.56	91	98594	8.916	ppb	92
50) 1,1,1,2-Tetrachloroethane	7.54	131	22289	8.740	ppb	98
51) m,p-Xylene	7.67	106	79835	17.859	ppb	89
52) o-Xylene	8.05	106	40254	9.062	ppb	87
53) Styrene	8.06	104	64597	8.568	ppb	89
54) Isopropylbenzene	8.40	105	96743	8.596	ppb	92
55) Bromoform	8.22	173	20145	9.825	ppb	99
58) n-Propylbenzene	8.79	91	111825	9.145	ppb	90
59) Bromobenzene	8.68	156	32186	9.097	ppb	# 82
60) 1,3,5-Trimethylbenzene	8.97	105	83853	9.291	ppb	89
61) 1,1,2,2-Tetrachloroethane	8.68	83	29333	9.419	ppb	98
62) 1,2,3-Trichloropropane	8.72	75	21873	9.274	ppb	98
63) 2-Chlorotoluene	8.87	91	66726	9.141	ppb	89
64) 4-Chlorotoluene	8.97	91	79051	9.081	ppb	83
65) tert-Butylbenzene	9.28	119	72380	9.084	ppb	85
66) 1,2,4-Trimethylbenzene	9.32	105	87823	9.343	ppb	92
67) sec-Butylbenzene	9.49	105	98125	9.173	ppb	93
68) p-Isopropyltoluene	9.64	119	89904	9.214	ppb	91
69) 1,3-Dichlorobenzene	9.59	146	57467	9.159	ppb	96
70) 1,4-Dichlorobenzene	9.67	146	58652	9.062	ppb	94
71) 1,2-Dichlorobenzene	10.03	146	55819	9.059	ppb	92
72) 1,2-Dibromo-3-chloropr...	10.80	75	5719	8.858	ppb	# 54
73) 1,2,4-Trichlorobenzene	11.62	180	40756	8.789	ppb	98
74) Hexachlorobutadiene	11.80	225	15245	8.529	ppb	97
75) Naphthalene	11.86	128	100068	8.760	ppb	99
76) 1,2,3-Trichlorobenzene	12.10	180	37255	8.489	ppb	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS4\11-18-22\
 Data File : 111813.D
 Acq On : 18 Nov 2022 7:59 pm
 Operator : lm
 Sample : 211237-01 ms
 Misc : soil
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS4

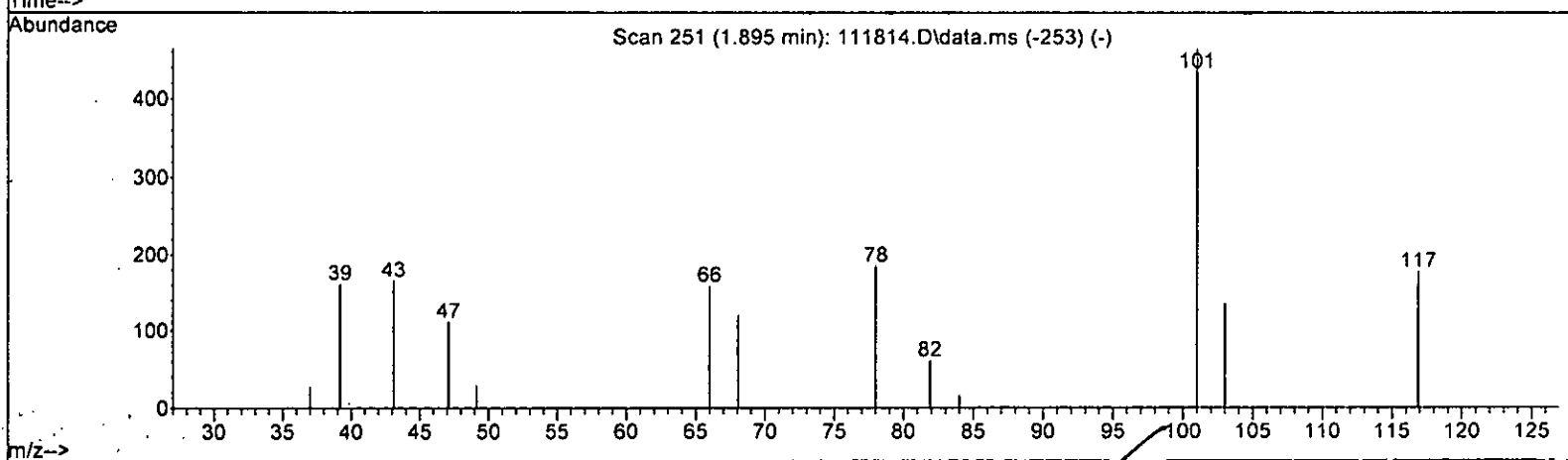
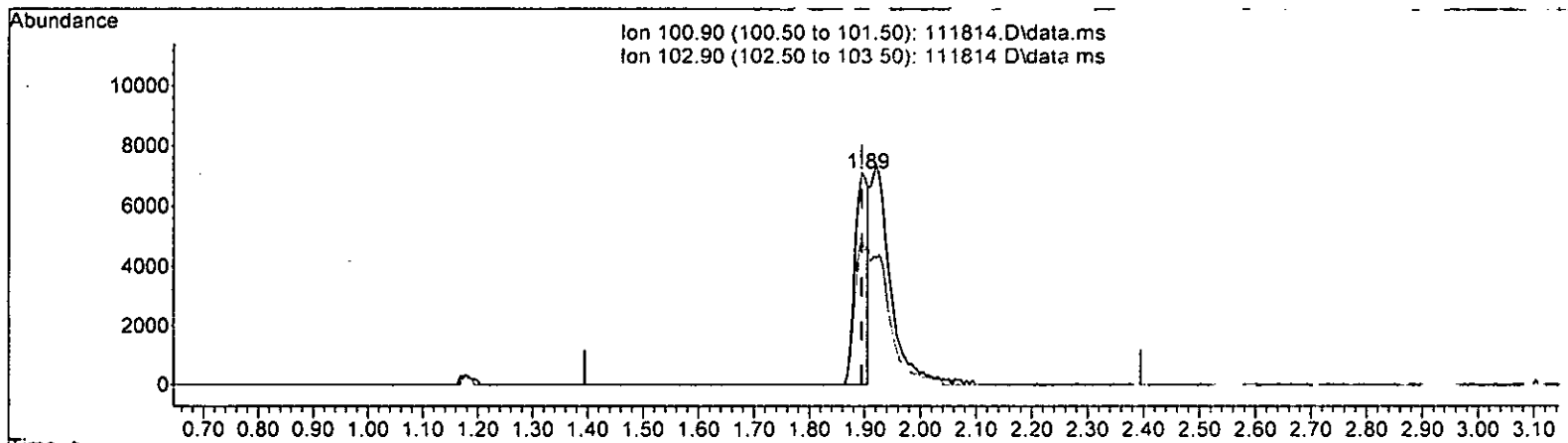
Quant Time: Nov 22 09:07:59 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS4\11-18-22\
 Data File : 111814.D
 Acq On : 18 Nov 2022 8:23 pm
 Operator : lm
 Sample : 211237-01 msd
 Misc : soil
 ALS Vial : 14 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 22 09:08:02 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



TIC: 111814.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.895min (-0.000) 3.411 ppb

response 11369

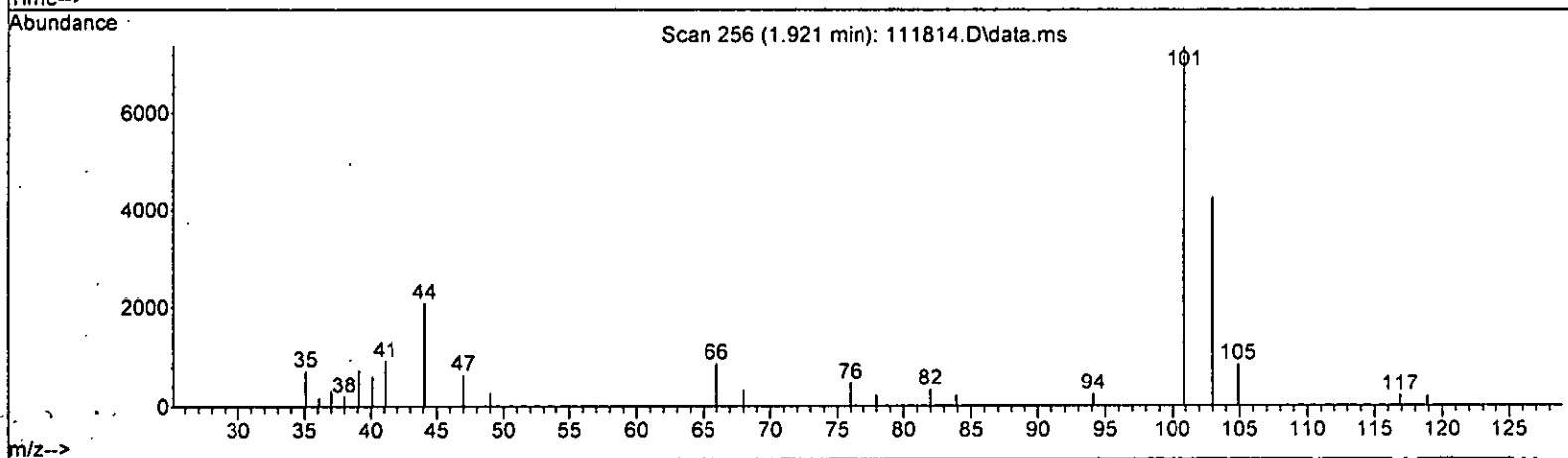
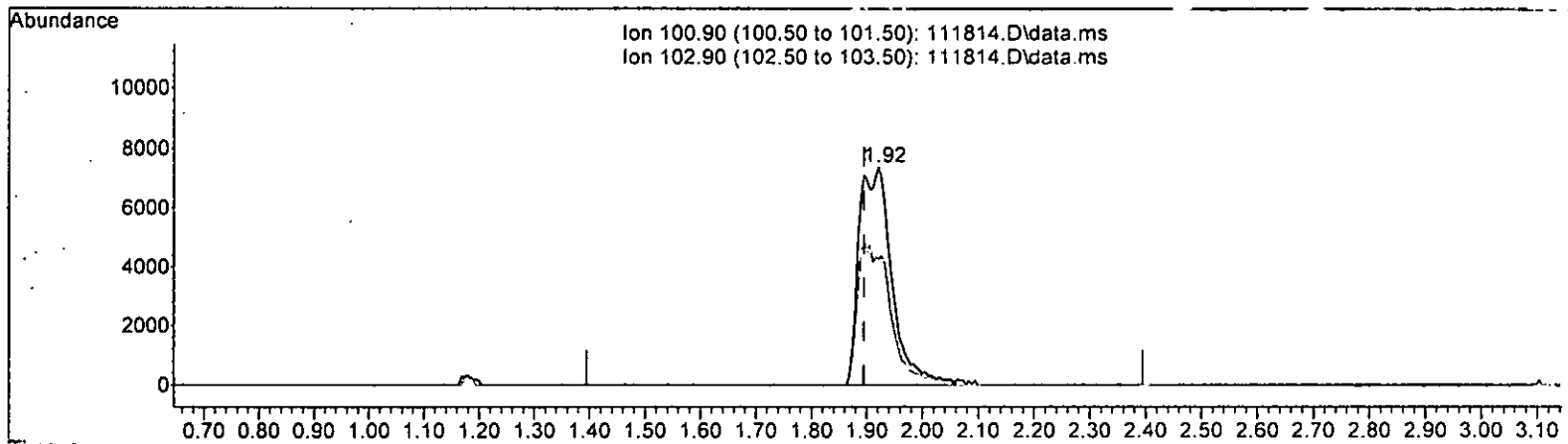
Ion	Exp%	Act%
100.90	100.00	100.00
102.90	61.00	68.87
0.00	0.00	0.00
0.00	0.00	0.00

m 11.22.22

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS4\11-18-22\
 Data File : 111814.D
 Acq On : 18 Nov 2022 8:23 pm
 Operator : lm
 Sample : 211237-01 msd
 Misc : soil
 ALS Vial : 14 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 22 09:08:02 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



TIC: 111814.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.921min (+ 0.026) 9.048 ppb m

response 30160

Ion	Exp%	Act%
100.90	100.00	100.00
102.90	61.00	57.99
0.00	0.00	0.00
0.00	0.00	0.00

lm 11.22.22

Data Path : Y:\Proc_GCMS4\11-18-22\
 Data File : 111814.D
 Acq On : 18 Nov 2022 8:23 pm
 Operator : lm
 Sample : 211237-01 msd
 Misc : soil
 ALS Vial : 14 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 22 09:08:02 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	4.78	96	59344	10.000	ppb	0.00
39) Chlorobenzene-d5	7.43	117	55800	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.65	152	37323	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.21	113	17339	10.628	ppb	0.00
Spiked Amount	10.000	Range	0 - 1000	Recovery	=	106.30%
30) 1,2-Dichloroethane-d4	4.49	102	3628	9.629	ppb	0.00
Spiked Amount	10.000	Range	90 - 109	Recovery	=	96.30%
35) Toluene-d8	6.14	98	63784	10.729	ppb	0.00
Spiked Amount	10.000	Range	89 - 112	Recovery	=	107.30%
57) 4-Bromofluorobenzene	8.54	95	25719	9.826	ppb	0.00
Spiked Amount	10.000	Range	84 - 115	Recovery	=	98.30%
Target Compounds						
2) Ethanol	1.08	45	232	No Calib	#	
4) Dichlorodifluoromethane	1.18	85	7799	3.208	ppb	98
5) Chloromethane	1.31	50	16117	7.151	ppb	98
6) Vinyl chloride	1.40	62	16174	7.565	ppb	96
7) Bromomethane	1.64	94	14398	14.483	ppb	100
8) Chloroethane	1.71	64	11116	9.914	ppb	93
9) Trichlorofluoromethane	1.92	101	30160m	9.048	ppb	
10) 2-Propanol	2.98	45	2700	No Calib		
11) Acetone	2.38	58	15209	96.043	ppb	91
12) 1,1-Dichloroethene	2.32	96	16837	8.510	ppb	82
13) Hexane	3.21	57	17209	8.321	ppb	98
14) Methylene chloride	2.73	84	23606	11.100	ppb	88
15) t-Butyl alcohol (TBA)	2.87	59	16455	54.119	ppb	95
16) Methyl t-butyl ether (...)	2.98	73	59485	10.318	ppb	96
17) trans-1,2-Dichloroethene	2.97	96	19614	9.366	ppb	84
18) Diisopropyl ether (DIPE)	3.40	45	51961	9.854	ppb	93
19) 1,1-Dichloroethane	3.32	63	31874	10.025	ppb	98
20) Ethyl t-butyl ether (E...)	3.70	87	25564	10.136	ppb	# 82
21) 2,2-Dichloropropane	3.81	77	22946	11.215	ppb	94
22) cis-1,2-Dichloroethene	3.81	96	22680	10.005	ppb	# 80
23) Chloroform	4.08	83	35800	10.391	ppb	99
24) 2-Butanone (MEK)	3.83	43	58463	52.937	ppb	96
25) t-Amyl methyl ether (T...)	4.65	73	57436	10.044	ppb	100
26) 1,2-Dichloroethane (EDC)	4.55	62	27279	10.491	ppb	94
27) 1,1,1-Trichloroethane	4.23	97	31332	9.917	ppb	91
28) 1,1-Dichloropropene	4.37	75	26599	10.002	ppb	91
29) Carbon tetrachloride	4.37	117	28817	10.132	ppb	93
31) Benzene	4.54	78	77831	10.202	ppb	95
32) Trichloroethene	5.09	95	22543	10.187	ppb	# 78
33) 1,2-Dichloropropane	5.27	63	18012	10.672	ppb	99
34) Bromodichloromethane	5.51	83	26125	10.198	ppb	99
36) Dibromomethane	5.37	93	13570	10.600	ppb	# 80

Data Path : Y:\Proc_GCMS4\11-18-22\
 Data File : 111814.D
 Acq On : 18 Nov 2022 8:23 pm
 Operator : lm
 Sample : 211237-01 msd
 Misc : soil
 ALS Vial : 14 Sample Multiplier: 1
 InstName : GCMS4

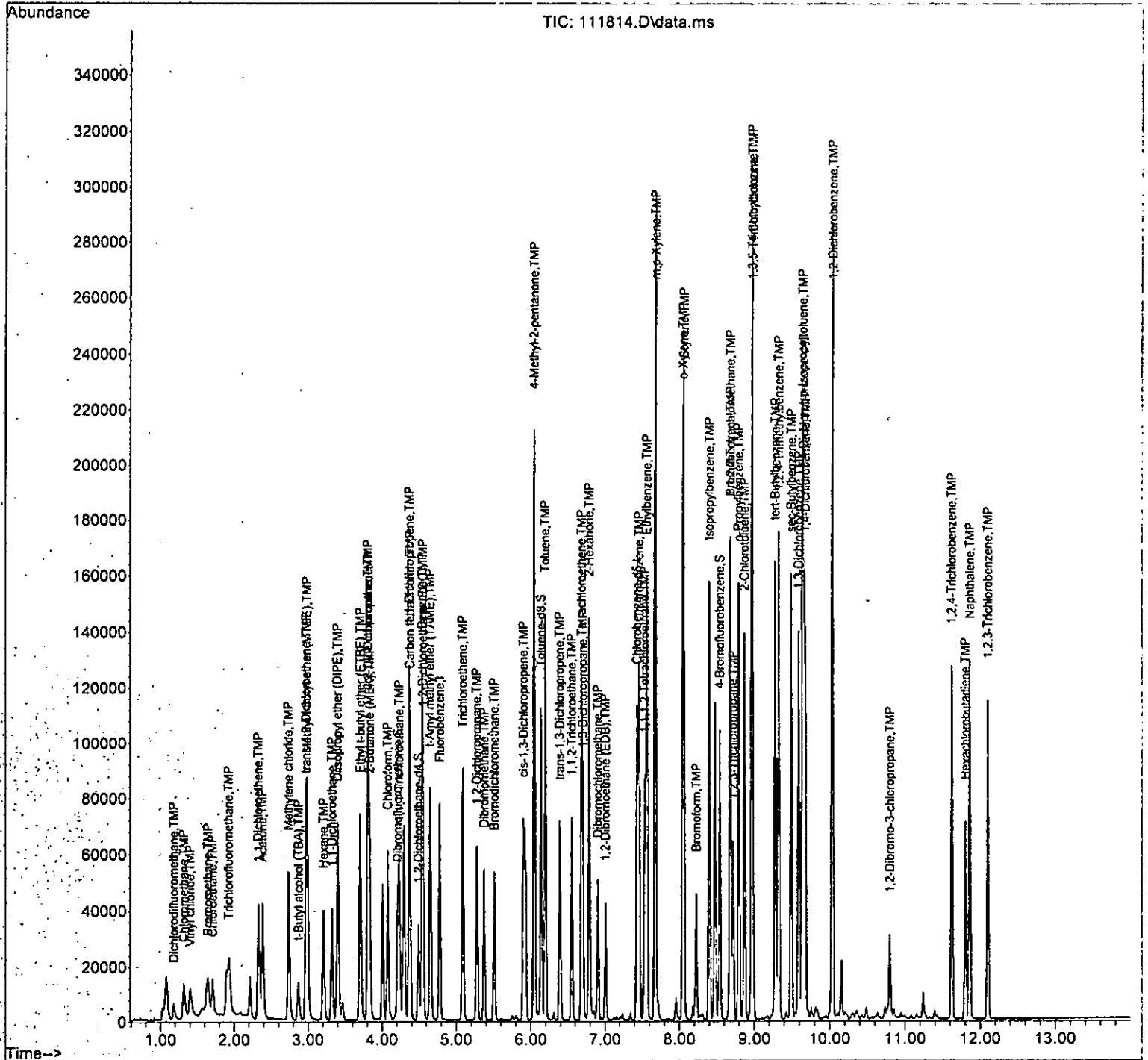
Quant Time: Nov 22 09:08:02 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 Qlast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	6.04	85	23081	50.582	ppb	# 82
38) cis-1,3-Dichloropropene	5.90	75	31046	10.376	ppb	93
40) Toluene	6.19	92	50252	9.306	ppb	100
41) trans-1,3-Dichloropropene	6.39	75	28184	9.136	ppb	98
42) 1,1,2-Trichloroethane	6.55	83	15666	9.579	ppb	93
43) 2-Hexanone	6.79	43	74112	41.450	ppb	97
44) 1,3-Dichloropropane	6.70	76	28765	9.202	ppb	100
45) Tetrachloroethene	6.69	164	23125	9.619	ppb	96
46) Dibromochloromethane	6.90	129	23081	9.809	ppb	97
47) 1,2-Dibromoethane (EDB)	7.00	107	21305	9.588	ppb	94
48) Chlorobenzene	7.46	112	60075	9.378	ppb	89
49) Ethylbenzene	7.56	91	96005	9.324	ppb	93
50) 1,1,1,2-Tetrachloroethane	7.54	131	22213	9.355	ppb	95
51) m,p-Xylene	7.67	106	77908	18.717	ppb	88
52) o-Xylene	8.05	106	39126	9.460	ppb	90
53) Styrene	8.06	104	63270	9.013	ppb	93
54) Isopropylbenzene	8.40	105	94625	9.030	ppb	92
55) Bromoform	8.22	173	19143	10.024	ppb	94
58) n-Propylbenzene	8.79	91	109847	9.298	ppb	93
59) Bromobenzene	8.68	156	31298	9.156	ppb	# 78
60) 1,3,5-Trimethylbenzene	8.97	105	82259	9.434	ppb	89
61) 1,1,2,2-Tetrachloroethane	8.68	83	27574	9.165	ppb	97
62) 1,2,3-Trichloropropane	8.72	75	21300	9.348	ppb	98
63) 2-Chlorotoluene	8.87	91	66079	9.370	ppb	88
64) 4-Chlorotoluene	8.97	91	77093	9.167	ppb	83
65) tert-Butylbenzene	9.27	119	72306	9.394	ppb	86
66) 1,2,4-Trimethylbenzene	9.32	105	84907	9.350	ppb	89
67) sec-Butylbenzene	9.49	105	97104	9.396	ppb	94
68) p-Isopropyltoluene	9.64	119	87917	9.327	ppb	91
69) 1,3-Dichlorobenzene	9.59	146	57771	9.531	ppb	95
70) 1,4-Dichlorobenzene	9.67	146	57448	9.187	ppb	97
71) 1,2-Dichlorobenzene	10.03	146	56168	9.436	ppb	90
72) 1,2-Dibromo-3-chloropr...	10.80	75	5551	8.900	ppb	# 62
73) 1,2,4-Trichlorobenzene	11.62	180	39764	8.876	ppb	98
74) Hexachlorobutadiene	11.80	225	15533	8.995	ppb	95
75) Naphthalene	11.86	128	98024	8.882	ppb	99
76) 1,2,3-Trichlorobenzene	12.10	180	36915	8.706	ppb	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS4\11-18-22\
 Data File : 111814.D
 Acq On : 18 Nov 2022 8:23 pm
 Operator : lm
 Sample : 211237-01 msd
 Misc : soil
 ALS Vial : 14 Sample Multiplier: 1
 InstName : GCMS4

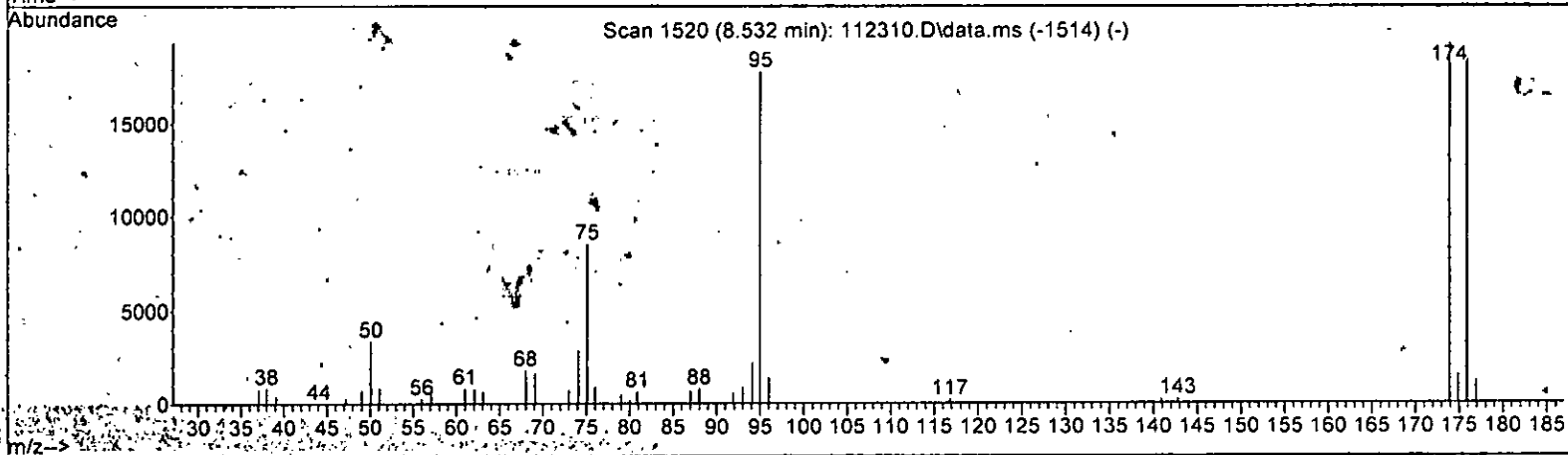
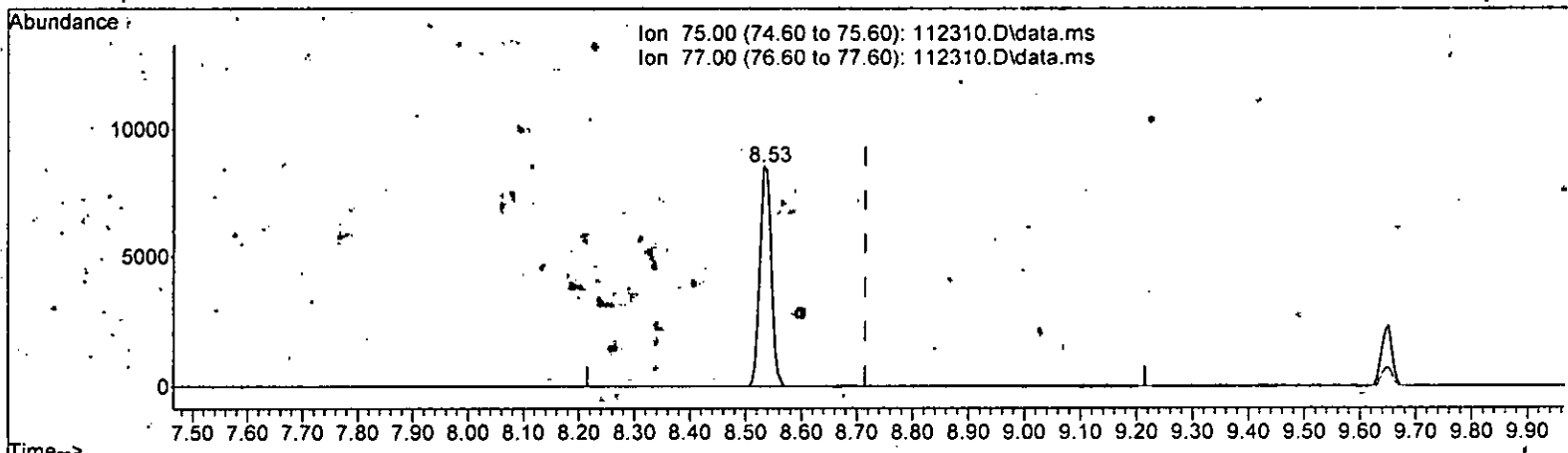
Quant Time: Nov 22 09:08:02 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS4\11-23-22\
 Data File : 112310.D
 Acq On : 23 Nov 2022 6:01 pm
 Operator : lm
 Sample : 211237-01
 Misc : soil
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 28 13:18:32 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



TIC: 112310.D\data.ms

(62) 1,2,3-Trichloropropane (TMP)

8.532min (-0.183) 5.033 ppb

response 11897

Ion	Exp%	Act%
75.00	100.00	100.00
77.00	32.90	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS4\11-23-22\
 Data File : 112310.D
 Acq On : 23 Nov 2022 6:01 pm
 Operator : lm
 Sample : 211237-01
 Misc : soil
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 28 13:18:32 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

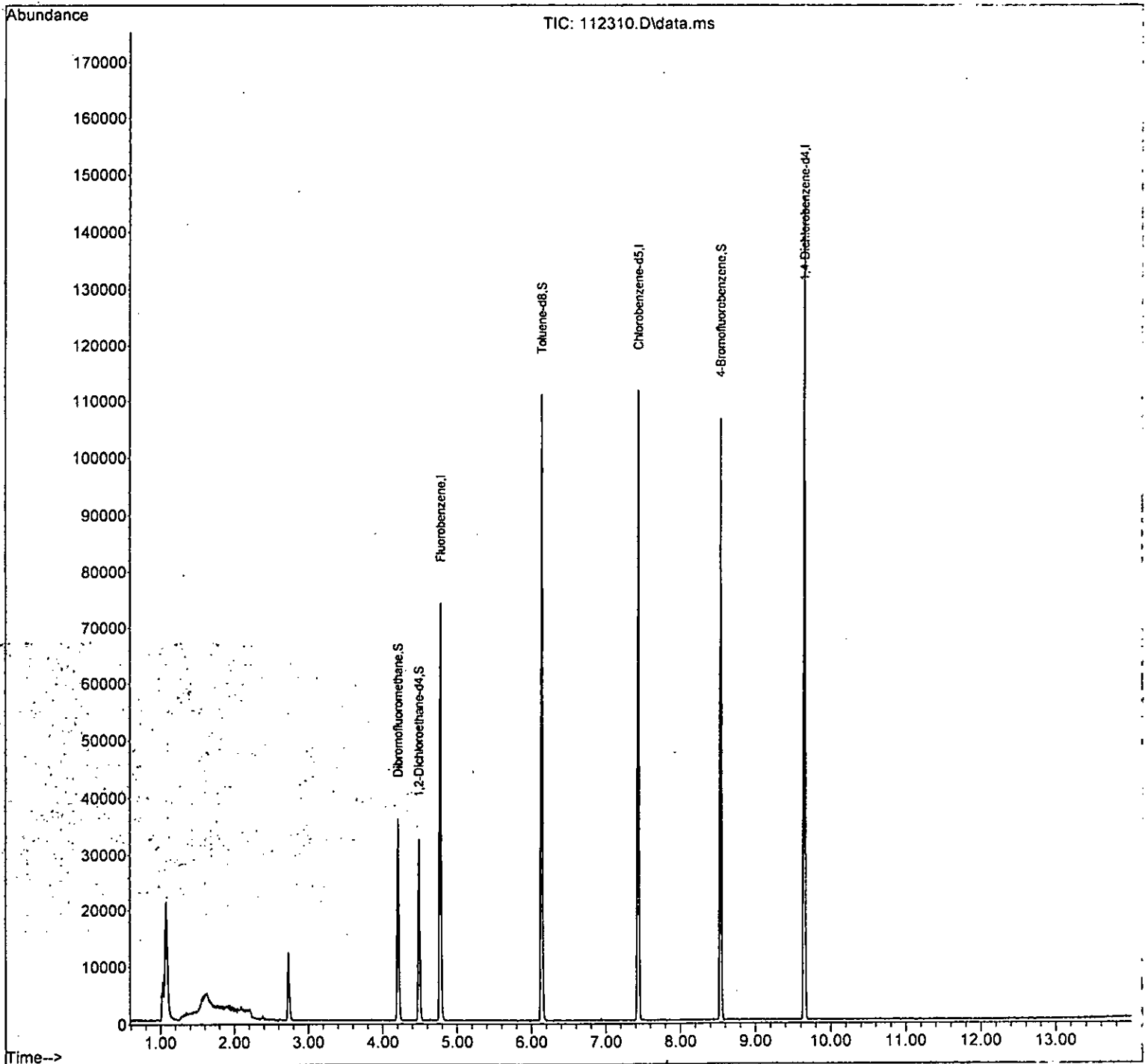
Internal Standards						
1) Fluorobenzene	4.78	96	56597	10.000	ppb	0.00
39) Chlorobenzene-d5	7.43	117	56382	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.65	152	38721	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.21	113	16436	10.564	ppb	0.00
Spiked Amount	10.000	Range	0 - 1000	Recovery	=	105.60%
30) 1,2-Dichloroethane-d4	4.49	102	3474	9.667	ppb	0.00
Spiked Amount	10.000	Range	90 - 109	Recovery	=	96.70%
35) Toluene-d8	6.14	98	62374	11.001	ppb	0.00
Spiked Amount	10.000	Range	89 - 112	Recovery	=	110.00%
57) 4-Bromofluorobenzene	8.54	95	26131	9.623	ppb	0.00
Spiked Amount	10.000	Range	84 - 115	Recovery	=	96.20%

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS4\11-23-22\
Data File : 112310.D
Acq On : 23 Nov 2022 6:01 pm
Operator : lm
Sample : 211237-01
Misc : soil
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS4

Quant Time: Nov 28 13:18:32 2022
Quant Method : Y:\Methods\Inst4\VB110822ms4.M
Quant Title : 8260 Purge & Trap Volatiles
QLast Update : Tue Nov 08 16:47:05 2022
Response via : Initial Calibration
DataAcq Meth:8260VM1.M



Data Path : Y:\Proc_GCMS4\11-23-22\
 Data File : 112310.D
 Acq On : 23 Nov 2022 6:01 pm
 Operator : lm
 Sample : 211237-01
 Misc : soil
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 28 13:18:32 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) Fluorobenzene	4.78	96	56597	10.000	ppb	0.00	
39) Chlorobenzene-d5	7.43	117	56382	10.000	ppb	0.00	
56) 1,4-Dichlorobenzene-d4	9.65	152	38721	10.000	ppb	0.00	
System Monitoring Compounds							
3) Dibromofluoromethane	4.21	113	16436	10.564	ppb	0.00	
Spiked Amount	10.000	Range	0 - 1000	Recovery	=	105.60%	
30) 1,2-Dichloroethane-d4	4.49	102	3474	9.667	ppb	0.00	
Spiked Amount	10.000	Range	90 - 109	Recovery	=	96.70%	
35) Toluene-d8	6.14	98	62374	11.001	ppb	0.00	
Spiked Amount	10.000	Range	89 - 112	Recovery	=	110.00%	
57) 4-Bromofluorobenzene	8.54	95	26131	9.623	ppb	0.00	
Spiked Amount	10.000	Range	84 - 115	Recovery	=	96.20%	
Target Compounds							
2) Ethanol	1.06	45	200	No Calib	#		
4) Dichlorodifluoromethane	0.00		0	N.D.			
5) Chloromethane	0.00		0	N.D.			
6) Vinyl chloride	0.00		0	N.D.			
7) Bromomethane	1.63	94	198	N.D.			
8) Chloroethane	0.00		0	N.D.			
9) Trichlorofluoromethane	0.00		0	N.D.			
10) 2-Propanol	0.00		0	N.D.			
11) Acetone	0.00		0	N.D.			
12) 1,1-Dichloroethene	0.00		0	N.D.			
13) Hexane	0.00		0	N.D.			
14) Methylene chloride	2.73	84	4827	N.D.			
15) t-Butyl alcohol (TBA)	0.00		0	N.D.			
16) Methyl t-butyl ether (MTBE)	0.00		0	N.D.			
17) trans-1,2-Dichloroethene	0.00		0	N.D.			
18) Diisopropyl ether (DIPE)	0.00		0	N.D.			
19) 1,1-Dichloroethane	0.00		0	N.D.			
20) Ethyl t-butyl ether (ETBE)	0.00		0	N.D.			
21) 2,2-Dichloropropane	0.00		0	N.D.			
22) cis-1,2-Dichloroethene	0.00		0	N.D.			
23) Chloroform	0.00		0	N.D.			
24) 2-Butanone (MEK)	0.00		0	N.D.			
25) t-Amyl methyl ether (TAME)	0.00		0	N.D.			
26) 1,2-Dichloroethane (EDC)	0.00		0	N.D.			
27) 1,1,1-Trichloroethane	0.00		0	N.D.			
28) 1,1-Dichloropropene	0.00		0	N.D.			
29) Carbon tetrachloride	0.00		0	N.D.			
31) Benzene	0.00		0	N.D.			
32) Trichloroethene	0.00		0	N.D.			
33) 1,2-Dichloropropane	0.00		0	N.D.			
34) Bromodichloromethane	0.00		0	N.D.			
36) Dibromomethane	0.00		0	N.D.			

Data Path : Y:\Proc_GCMS4\11-23-22\
 Data File : 112310.D
 Acq On : 23 Nov 2022 6:01 pm
 Operator : lm
 Sample : 211237-01
 Misc : soil
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 28 13:18:32 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

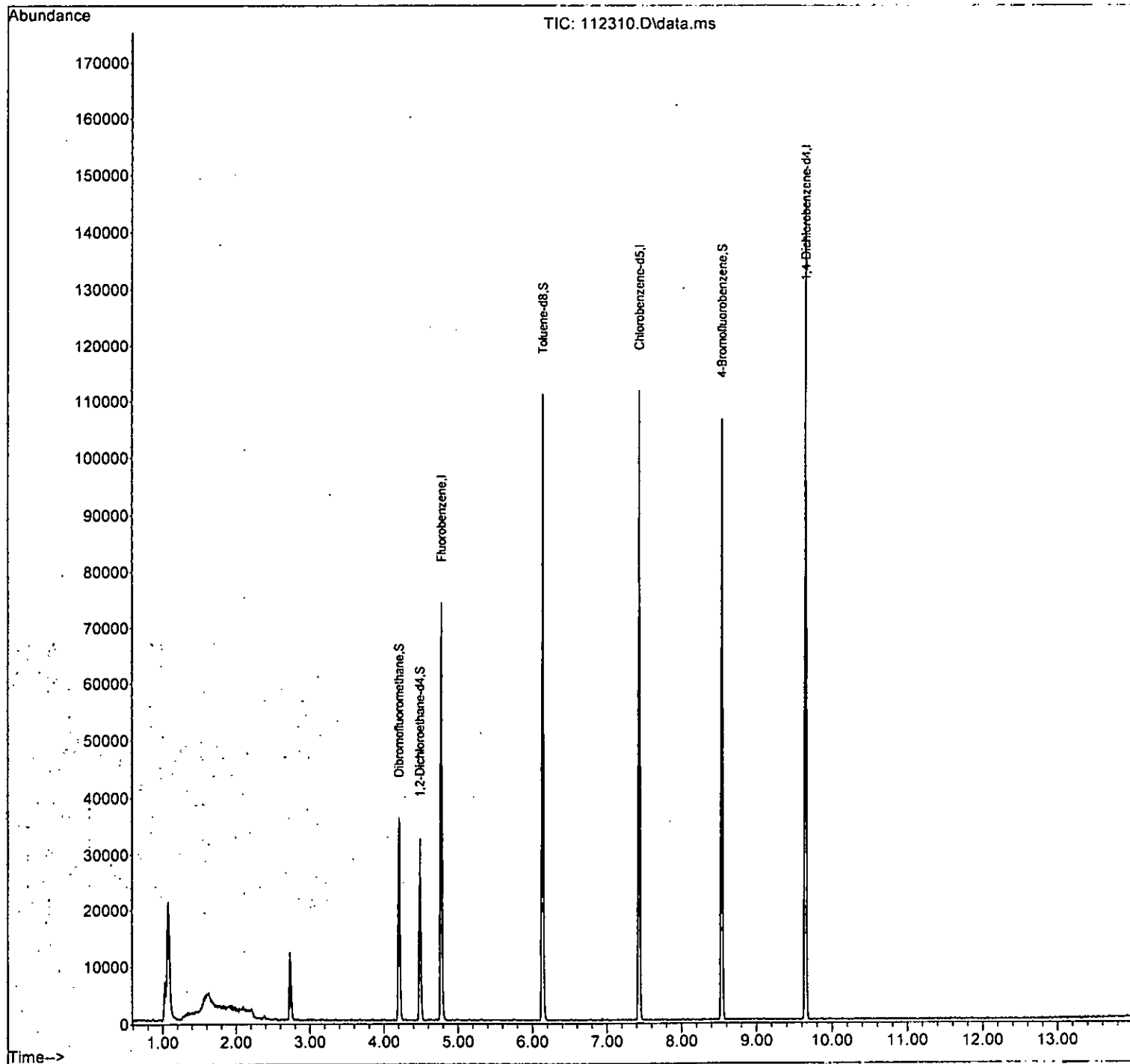
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.00		0		N.D.	
38) cis-1,3-Dichloropropene	0.00		0		N.D.	
40) Toluene	0.00		0		N.D.	
41) trans-1,3-Dichloropropene	0.00		0		N.D.	
42) 1,1,2-Trichloroethane	0.00		0		N.D.	
43) 2-Hexanone	0.00		0		N.D.	
44) 1,3-Dichloropropane	0.00		0		N.D.	
45) Tetrachloroethene	0.00		0		N.D.	
46) Dibromochloromethane	0.00		0		N.D.	
47) 1,2-Dibromoethane (EDB)	0.00		0		N.D.	
48) Chlorobenzene	0.00		0		N.D.	
49) Ethylbenzene	0.00		0		N.D.	
50) 1,1,1,2-Tetrachloroethane	0.00		0		N.D.	
51) m,p-Xylene	0.00		0		N.D.	
52) o-Xylene	0.00		0		N.D.	
53) Styrene	0.00		0		N.D.	
54) Isopropylbenzene	0.00		0		N.D.	
55) Bromoform	0.00		0		N.D.	
58) n-Propylbenzene	0.00		0		N.D.	
59) Bromobenzene	0.00		0		N.D.	
60) 1,3,5-Trimethylbenzene	0.00		0		N.D.	
61) 1,1,2,2-Tetrachloroethane	0.00		0		N.D.	
62) 1,2,3-Trichloropropane	0.00		0		N.D.	d
63) 2-Chlorotoluene	0.00		0		N.D.	
64) 4-Chlorotoluene	0.00		0		N.D.	
65) tert-Butylbenzene	0.00		0		N.D.	
66) 1,2,4-Trimethylbenzene	0.00		0		N.D.	
67) sec-Butylbenzene	0.00		0		N.D.	
68) p-Isopropyltoluene	0.00		0		N.D.	
69) 1,3-Dichlorobenzene	0.00		0		N.D.	
70) 1,4-Dichlorobenzene	0.00		0		N.D.	
71) 1,2-Dichlorobenzene	0.00		0		N.D.	
72) 1,2-Dibromo-3-chloropr	0.00		0		N.D.	
73) 1,2,4-Trichlorobenzene	0.00		0		N.D.	
74) Hexachlorobutadiene	0.00		0		N.D.	
75) Naphthalene	0.00		0		N.D.	
76) 1,2,3-Trichlorobenzene	0.00		0		N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS4\11-23-22\
Data File : 112310.D
Acq On : 23 Nov 2022 6:01 pm
Operator : lm
Sample : 211237-01
Misc : soil
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS4

Quant Time: Nov 28 13:18:32 2022
Quant Method : Y:\Methods\Inst4\VB110822ms4.M
Quant Title : 8260 Purge & Trap Volatiles
QLast Update : Tue Nov 08 16:47:05 2022
Response via : Initial Calibration
DataAcq Meth:8260VM1.M

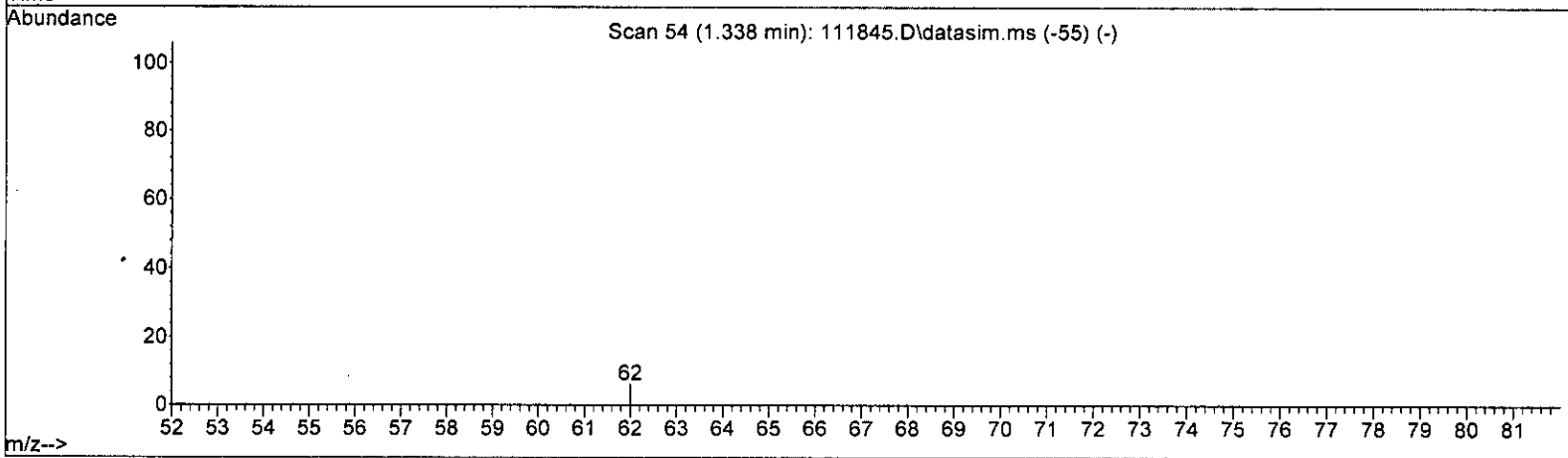
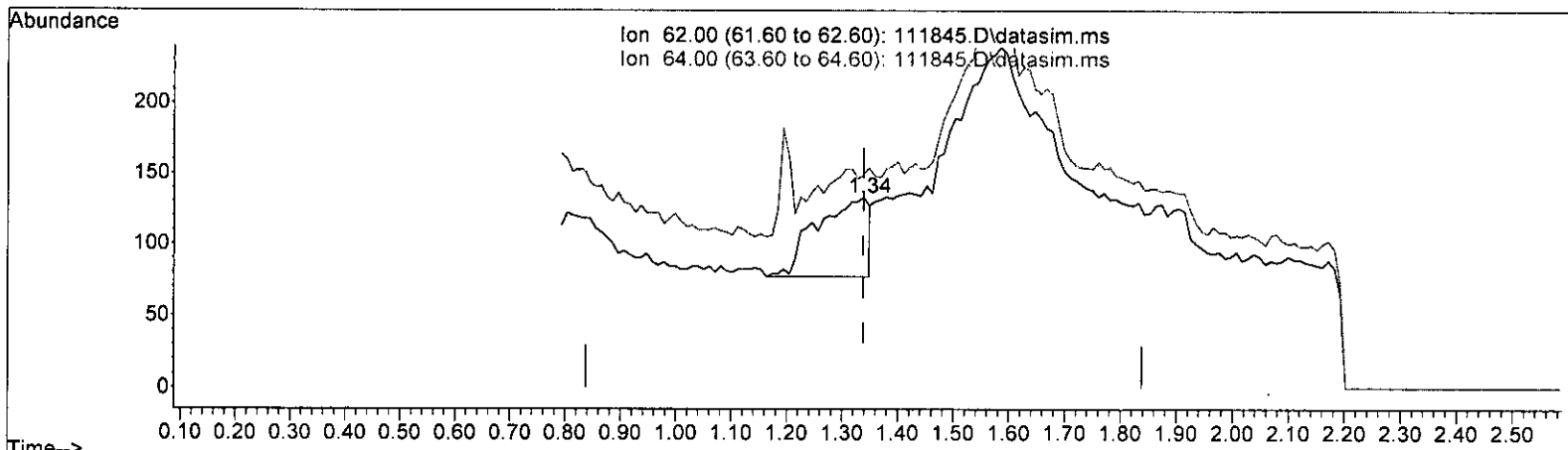


EPA 8260D
Sample Data

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111845.D
 Acq On : 19 Nov 2022 01:06 am
 Operator : LM
 Sample : 211237-01 1/0.25
 Misc : soil
 ALS Vial : 38 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:46:43 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 111845.D\data.ms

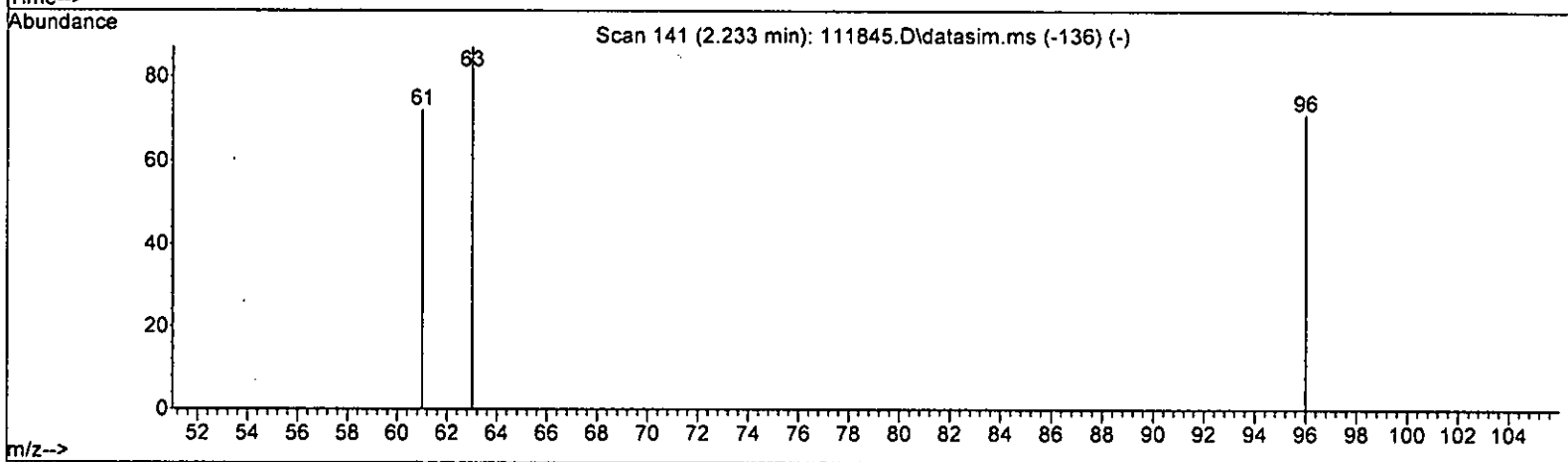
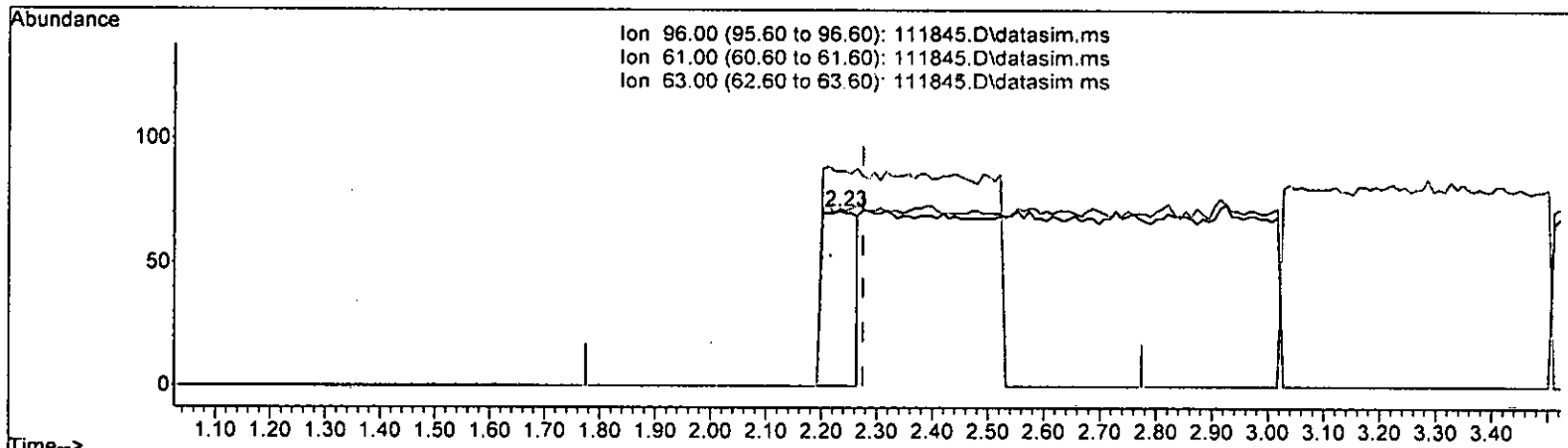
(6) Vinyl chloride (TMP)
 1.338min (-0.000) 0.070 ppb
 response 365

Ion	Exp%	Act%
62.00	100.00	100.00
64.00	34.40	78.57#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111845.D
 Acq On : 19 Nov 2022 01:06 am
 Operator : LM
 Sample : 211237-01 1/0.25
 Misc : soil
 ALS Vial : 38 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:46:43 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 111845.D\data.ms

(12) 1,1-Dichloroethene (TMP)

2.233min (-0.042) 0.103 ppb

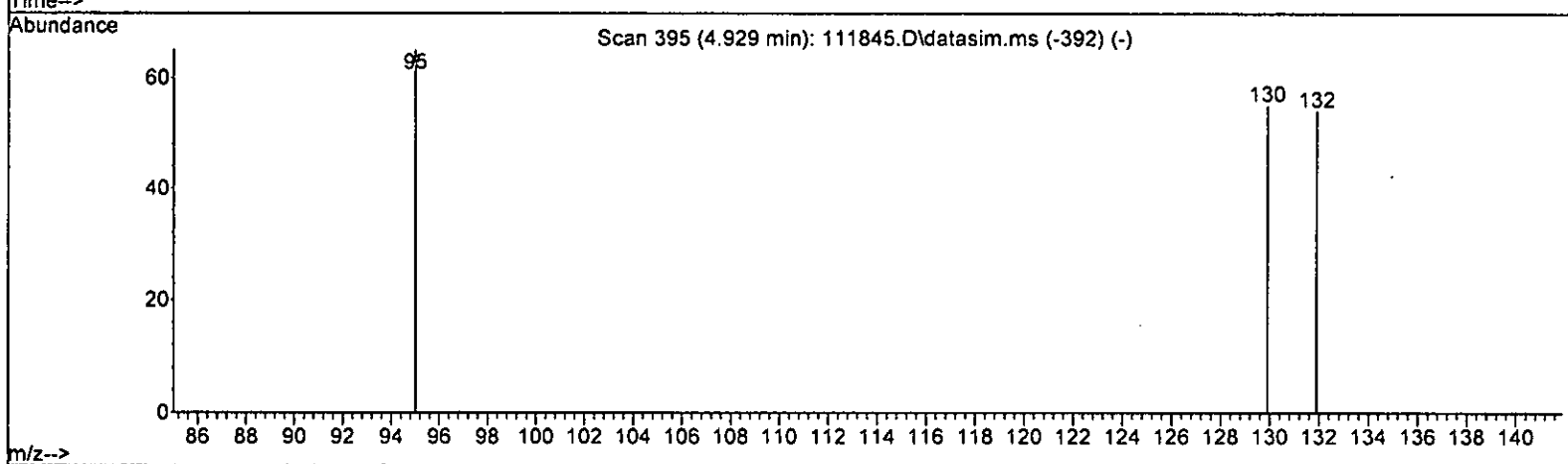
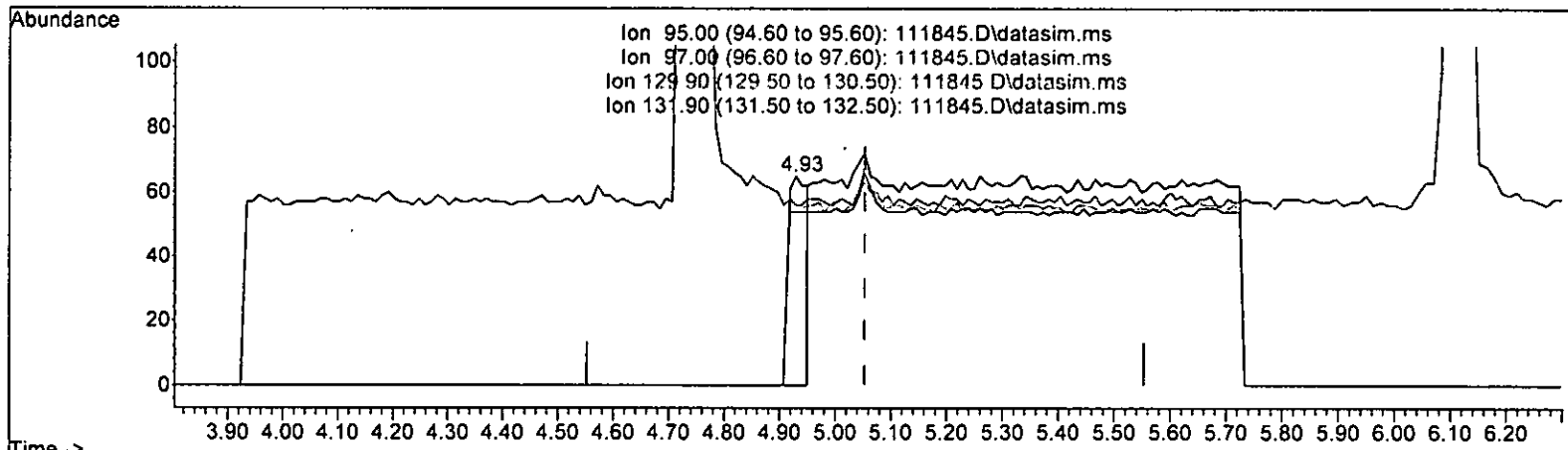
response 303

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	120.90	101.41
63.00	43.90	122.54#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111845.D
 Acq On : 19 Nov 2022 01:06 am
 Operator : LM
 Sample : 211237-01 1/0.25
 Misc : soil
 ALS Vial : 38 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:46:43 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



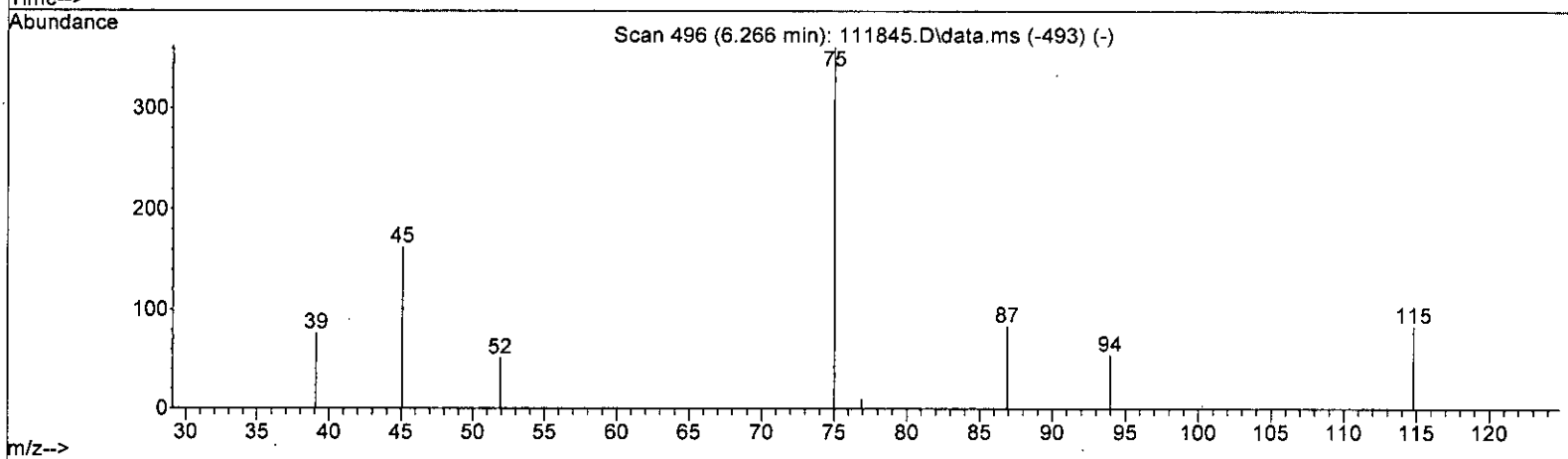
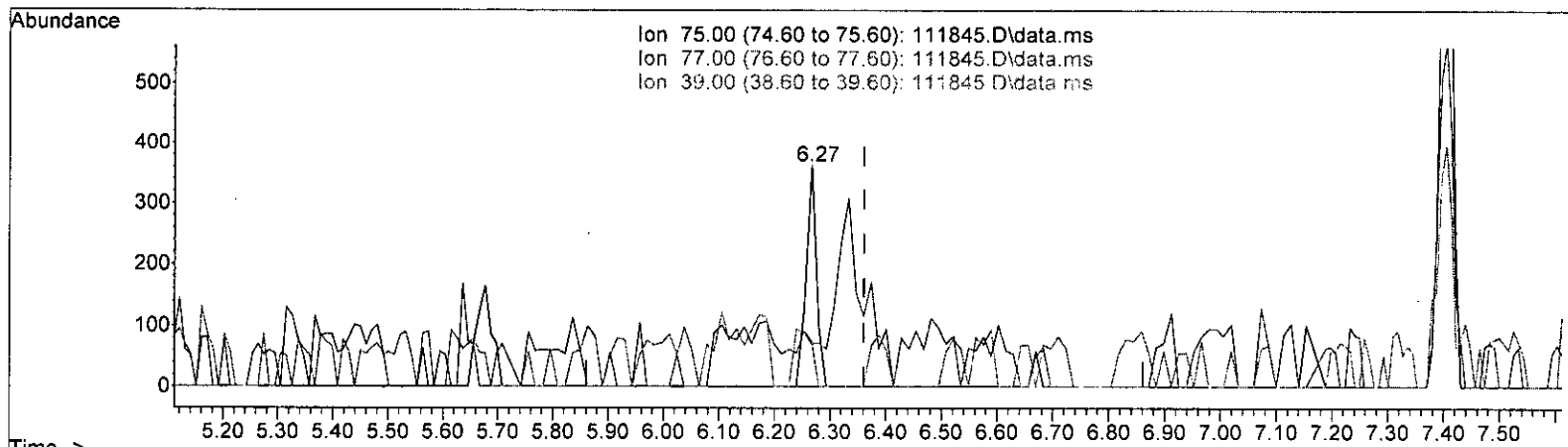
TIC: 111845.D\data.ms

(32) Trichloroethene (TMP)			
4.929min (-0.124) 0.042 ppb			
response	160		
Ion	Exp%	Act%	
95.00	100.00	100.00	
97.00	64.60	0.00#	
129.90	103.40	84.62	
131.90	95.80	83.08	

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111845.D
 Acq On : 19 Nov 2022 01:06 am
 Operator : LM
 Sample : 211237-01 1/0.25
 Misc : soil
 ALS Vial : 38 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:46:43 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 111845.D\data.ms

(41) trans-1,3-Dichloropropene (TMP)

6.266min (-0.095) 0.144 ppb

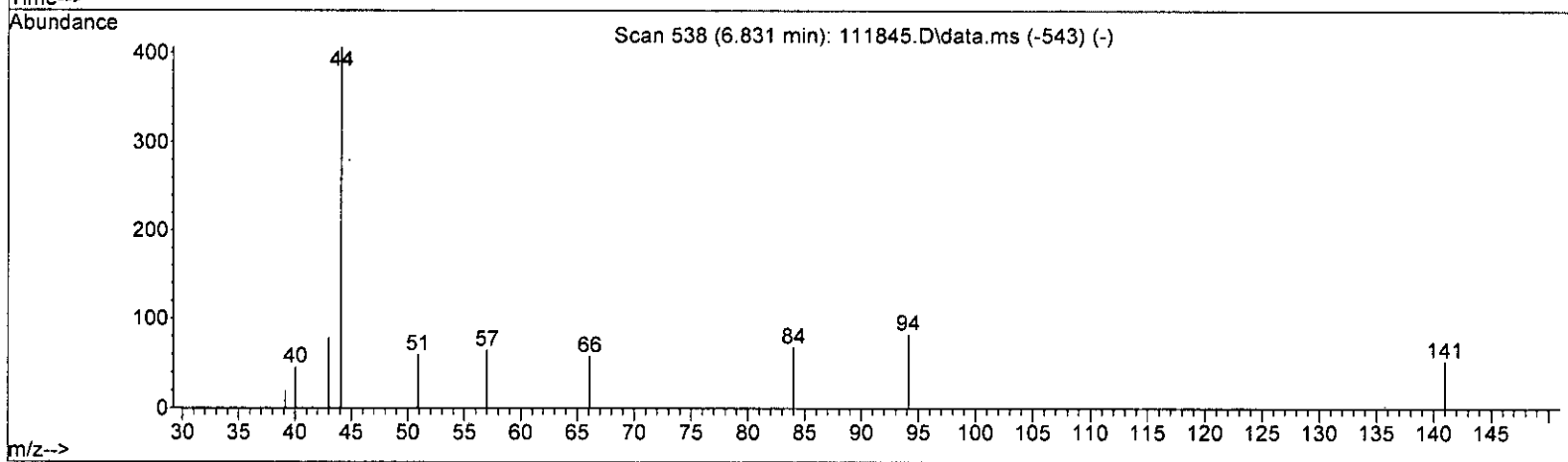
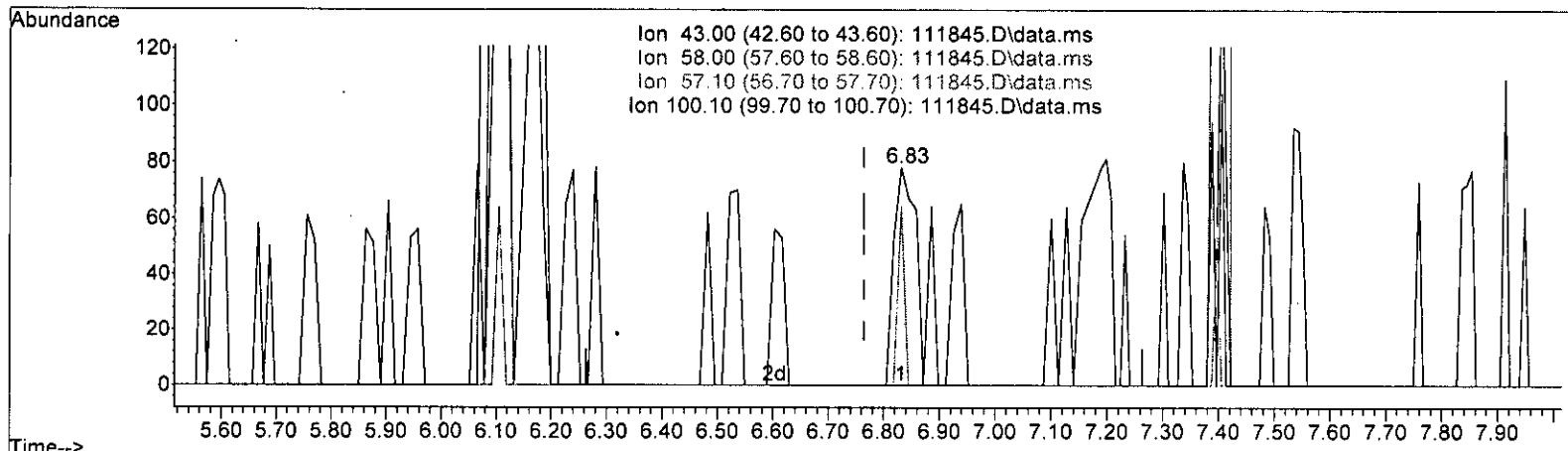
response 468

Ion	Exp%	Act%
75.00	100.00	100.00
77.00	32.60	2.49#
39.00	46.30	20.99
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111845.D
 Acq On : 19 Nov 2022 01:06 am
 Operator : LM
 Sample : 211237-01 1/0.25
 Misc : soil
 ALS Vial : 38 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:46:43 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



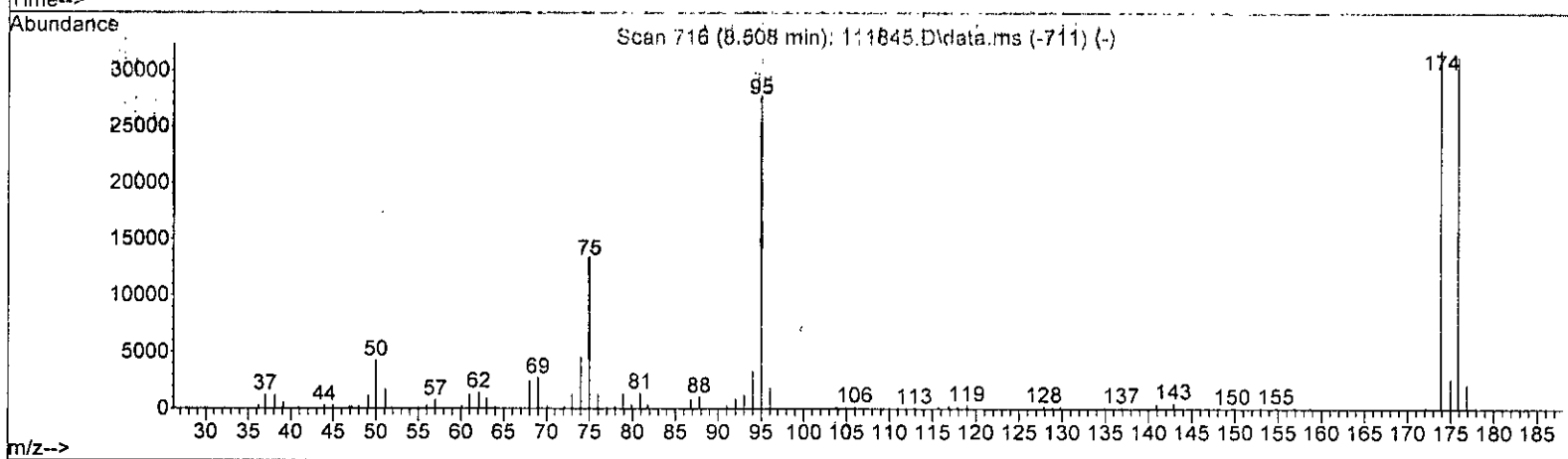
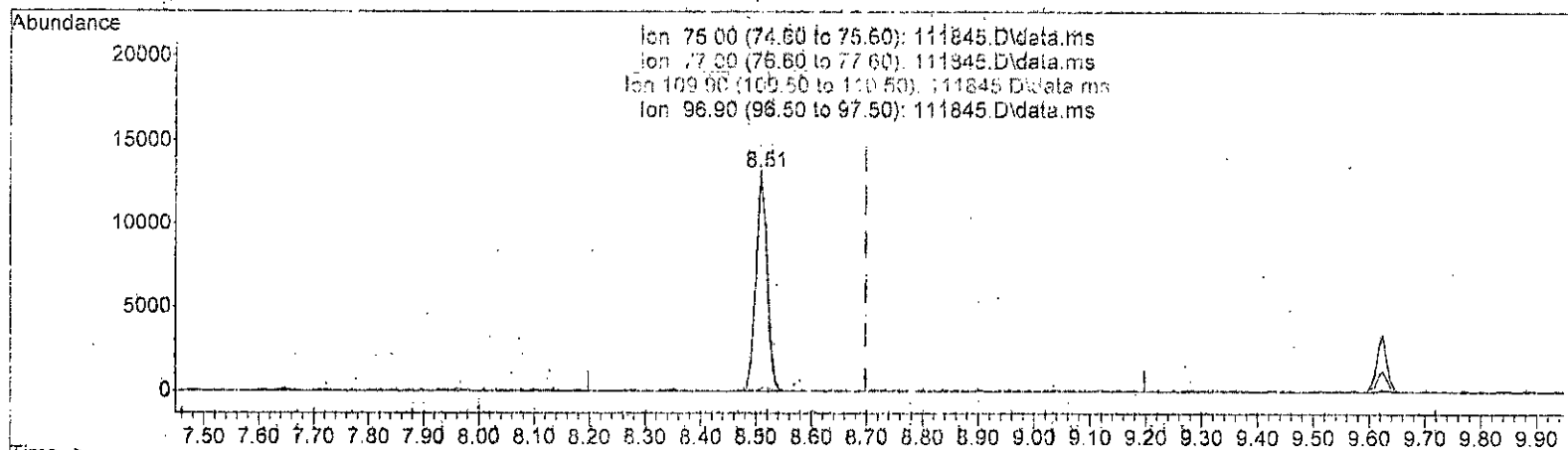
TIC: 111845.D\data.ms

(43) 2-Hexanone (TMP)		
6.831min (+ 0.067)	0.144	ppb
response	262	
Ion	Exp%	Act%
43.00	100.00	100.00
58.00	51.50	0.00#
57.10	16.30	82.05#
100.10	10.20	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111845.D
 Acq On : 19 Nov 2022 01:06 am
 Operator : LM
 Sample : 211237-01 1/0.25
 Misc : soil
 ALS Vial : 38 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:46:43 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 111845.D\data.ms

(62) 1,2,3-Trichloropropane (TMP)

8.508min (-0.190) 6.541 ppb

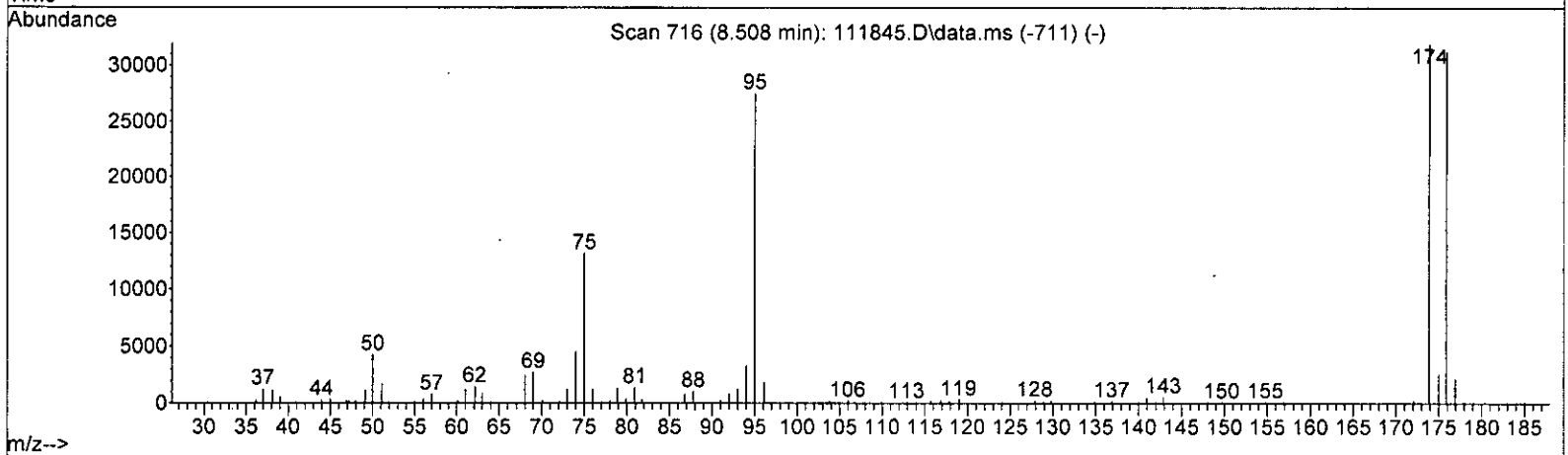
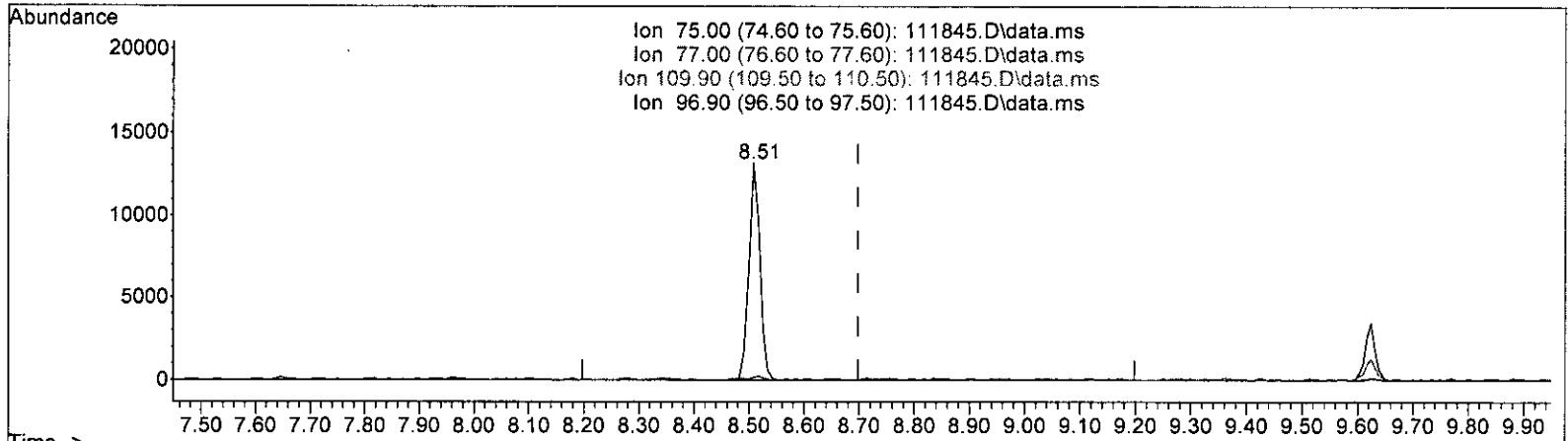
response 18058

Ion	Exp%	Act%
75.00	100.00	100.00
77.00	34.00	1.13#
109.90	36.50	0.00#
96.90	22.60	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111845.D
 Acq On : 19 Nov 2022 01:06 am
 Operator : LM
 Sample : 211237-01 1/0.25
 Misc : soil
 ALS Vial : 38 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:46:43 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 111845.D\data.ms

(62) 1,2,3-Trichloropropane (TMP)

8.508min (-0.190) 6.541 ppb

response	18058
Ion	Exp% Act%
75.00	100.00 100.00
77.00	34.00 1.13#
109.90	36.50 0.00#
96.90	22.60 0.00

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111845.D
 Acq On : 19 Nov 2022 01:06 am
 Operator : LM
 Sample : 211237-01 1/0.25
 Misc : soil
 ALS Vial : 38 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:46:43 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

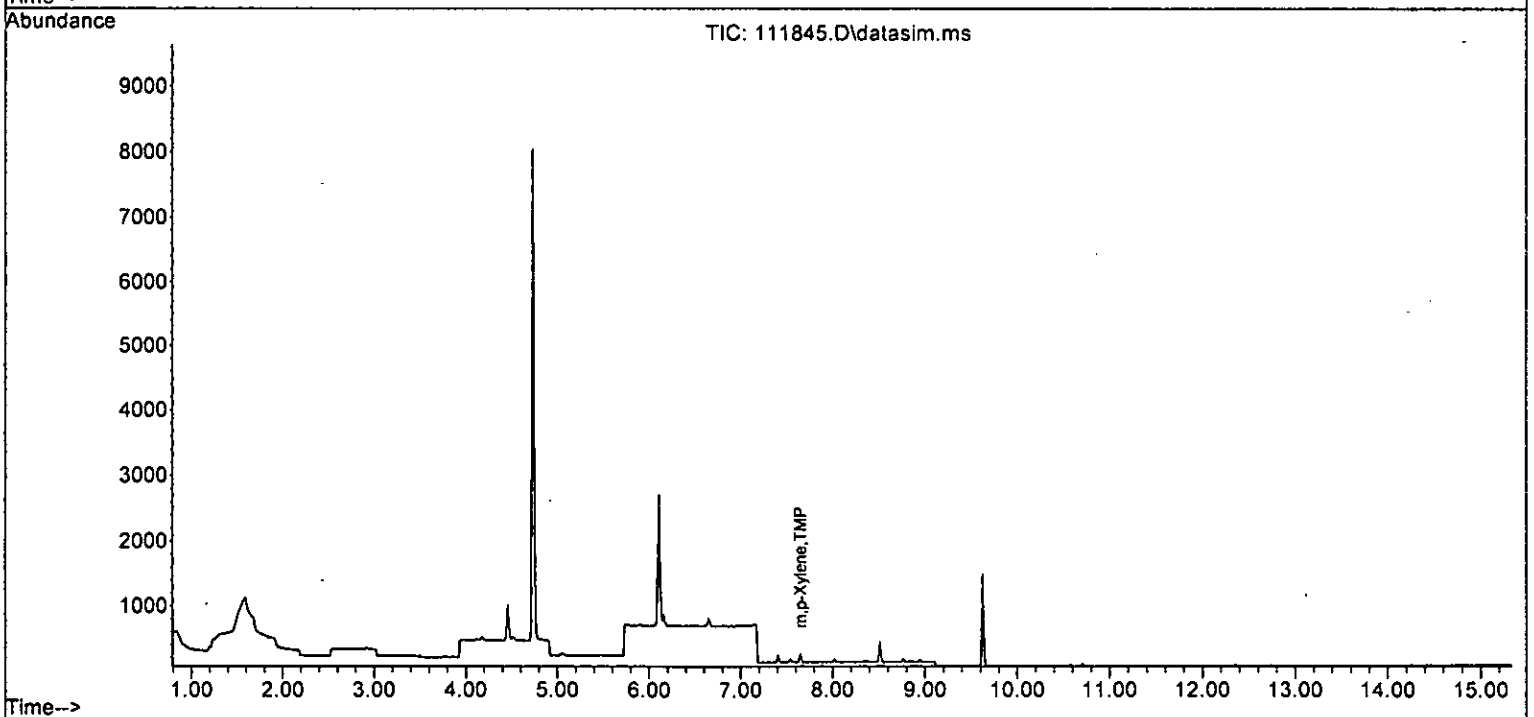
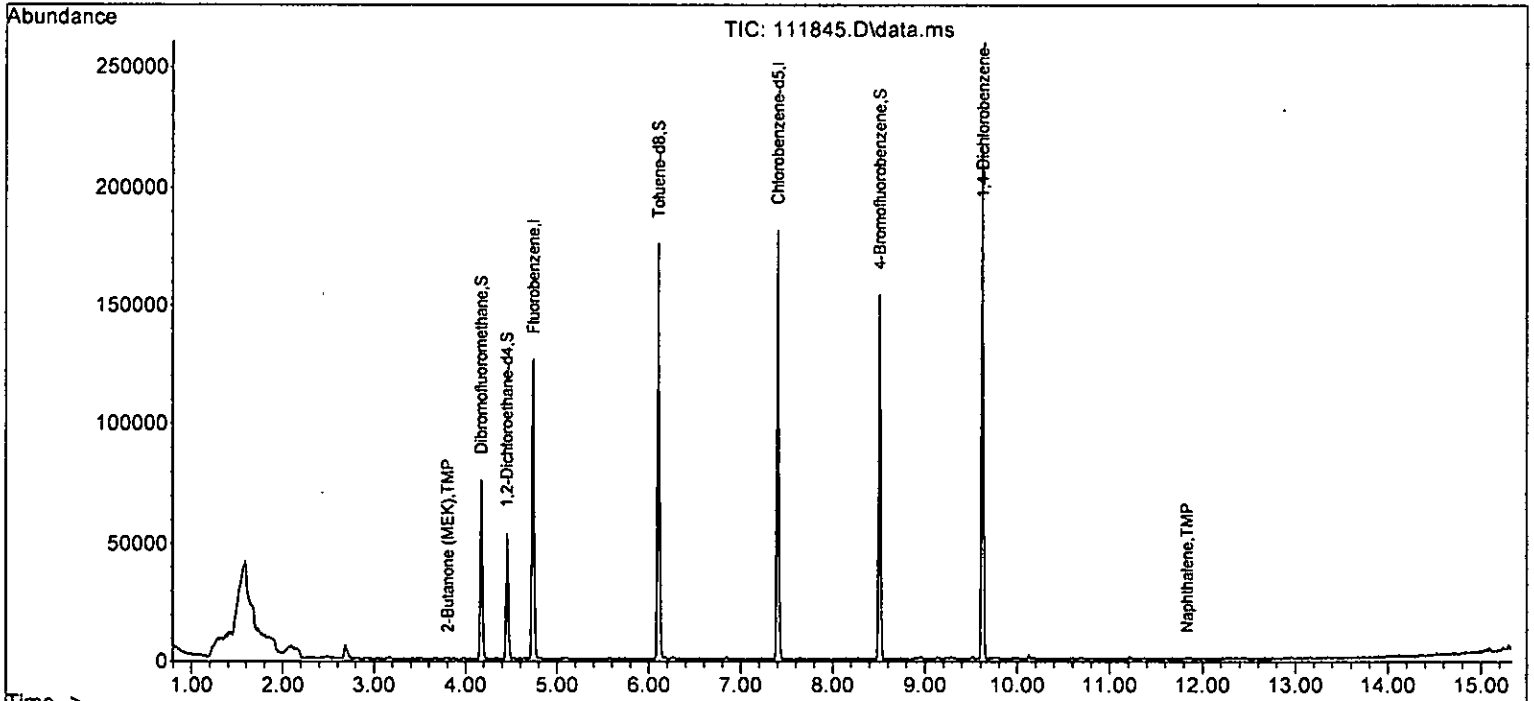
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

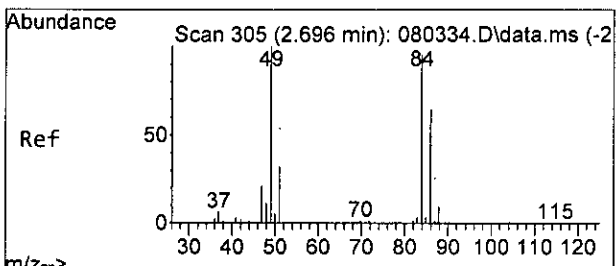
Internal Standards						
1) Fluorobenzene	4.75	96	102787	10.000	ppb	0.00
39) Chlorobenzene-d5	7.40	117	96113	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	56780	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.17	113	34184	10.371	ppb	0.00
Spiked Amount	10.000	Range	50 - 150	Recovery	=	103.70%
30) 1,2-Dichloroethane-d4	4.45	102	6264	9.806	ppb	0.00
Spiked Amount	10.000	Range	84 - 120	Recovery	=	98.10%
35) Toluene-d8	6.11	98	99005	10.099	ppb	0.00
Spiked Amount	10.000	Range	73 - 128	Recovery	=	101.00%
57) 4-Bromofluorobenzene	8.51	95	37319	9.539	ppb	0.00
Spiked Amount	10.000	Range	57 - 146	Recovery	=	95.40%
Target Compounds						
11) Acetone	2.34	58	128	Below Cal	#	6
14) Methylene chloride	2.68	84	3309	Below Cal		98
24) 2-Butanone (MEK)	3.81	43	554	0.173	ppb	50
26] 1,2-Dichloroethane (EDC)	4.53	62	77	Below Cal		96
40] Toluene	6.16	92	76	Below Cal		96
42] 1,1,2-Trichloroethane	6.53	83	23	Below Cal	#	45
45] Tetrachloroethene	6.65	164	43	Below Cal		98
51] m,p-Xylene	7.65	106	68	0.012	ppb	# 76
75) Naphthalene	11.83	128	116	0.089	ppb	69

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111845.D
 Acq On : 19 Nov 2022 01:06 am
 Operator : LM
 Sample : 211237-01 1/0.25
 Misc : soil
 ALS Vial : 38 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:46:43 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

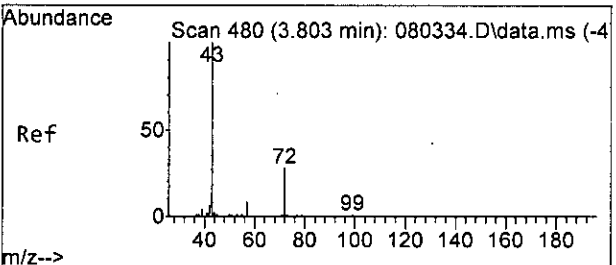
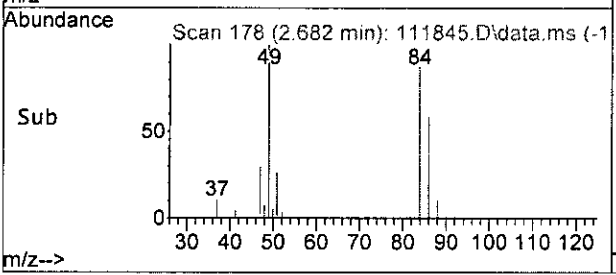
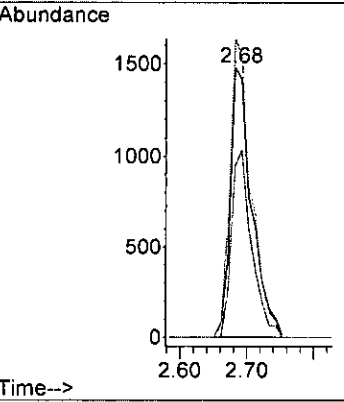
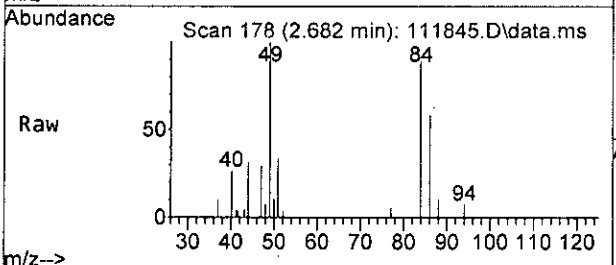




#14
 Methylene chloride
 Concen: Below Cal
 RT: 2.68 min Scan# 178
 Delta R.T. -0.000 min
 Lab File: 111845.D
 Acq: 19 Nov 2022 01:06 am

Tgt Ion: 84 Resp: 3309

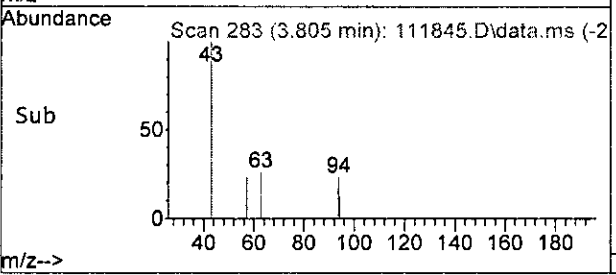
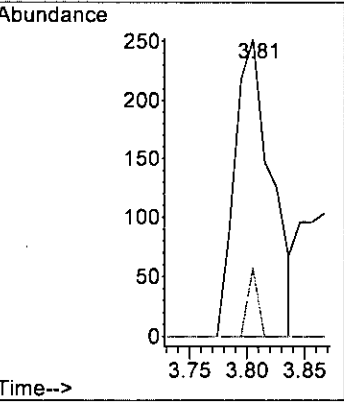
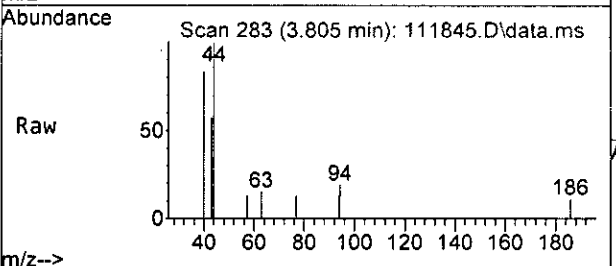
Ion	Ratio	Lower	Upper
84	100		
86	64.0	37.1	97.1
49	110.5	81.3	141.3

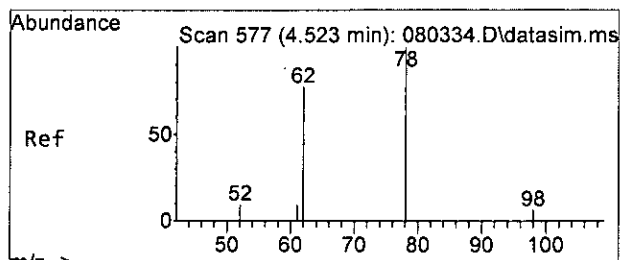


#24
 2-Butanone (MEK)
 Concen: 0.173 ppb
 RT: 3.81 min Scan# 283
 Delta R.T. 0.010 min
 Lab File: 111845.D
 Acq: 19 Nov 2022 01:06 am

Tgt Ion: 43 Resp: 554

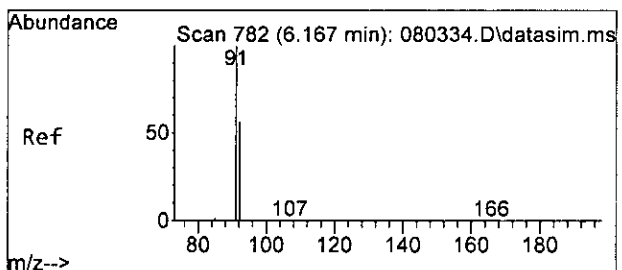
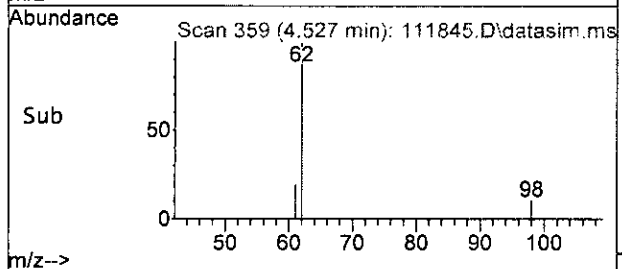
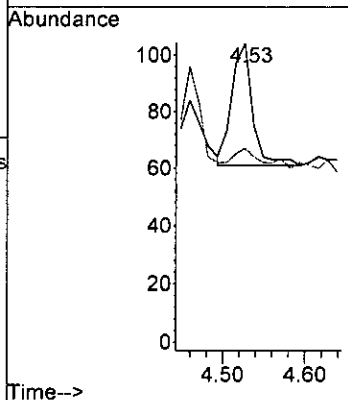
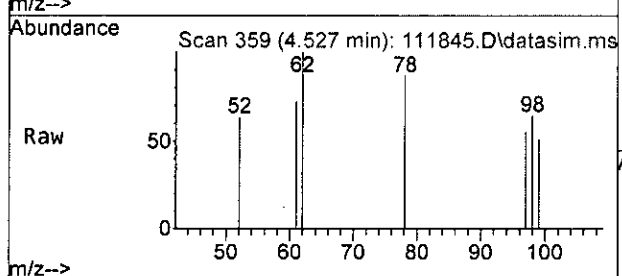
Ion	Ratio	Lower	Upper
43	100		
72	0.0	0.0	57.0
57	22.6	0.0	28.0





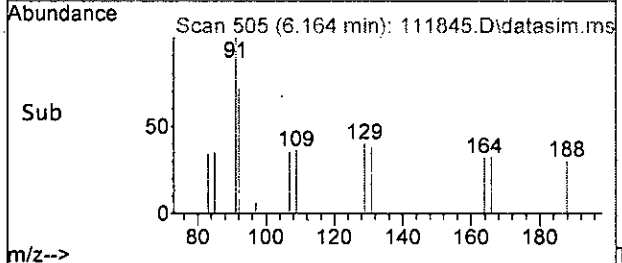
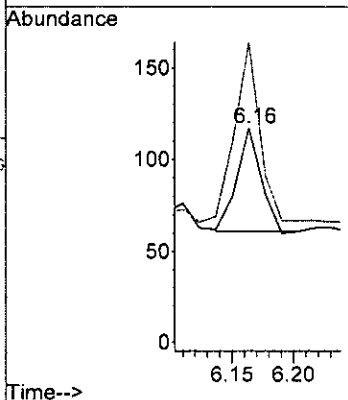
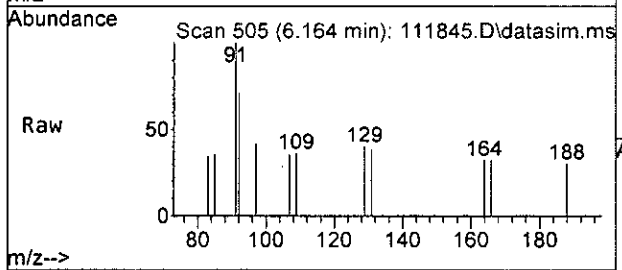
#26
 1,2-Dichloroethane (EDC)
 Concen: Below Cal
 RT: 4.53 min Scan# 359
 Delta R.T. -0.000 min
 Lab File: 111845.D
 Acq: 19 Nov 2022 01:06 am

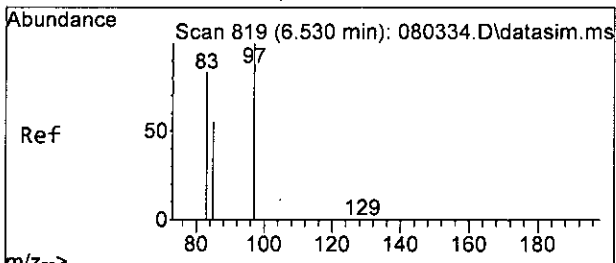
Tgt Ion: 62 Resp: 77
 Ion Ratio Lower Upper
 62 100
 98 11.6 0.0 40.1



#40
 Toluene
 Concen: Below Cal
 RT: 6.16 min Scan# 505
 Delta R.T. -0.000 min
 Lab File: 111845.D
 Acq: 19 Nov 2022 01:06 am

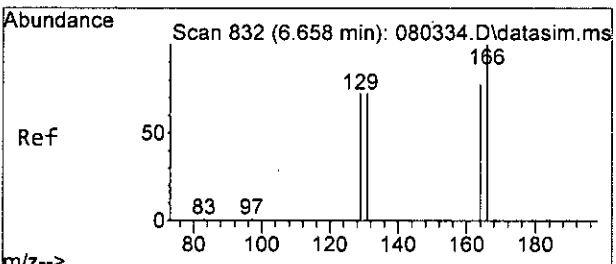
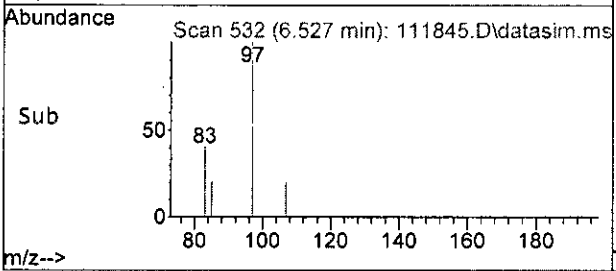
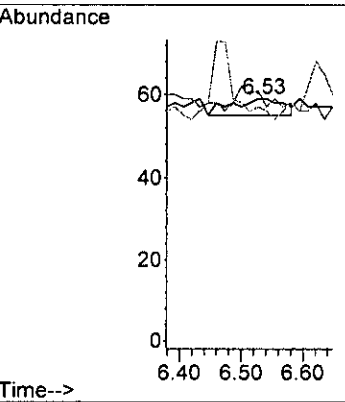
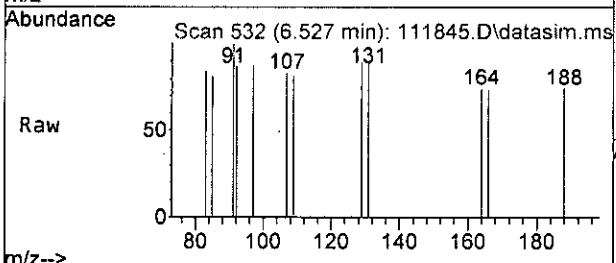
Tgt Ion: 92 Resp: 76
 Ion Ratio Lower Upper
 92 100
 91 173.2 148.5 208.5





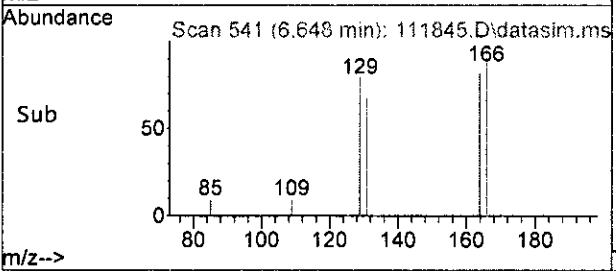
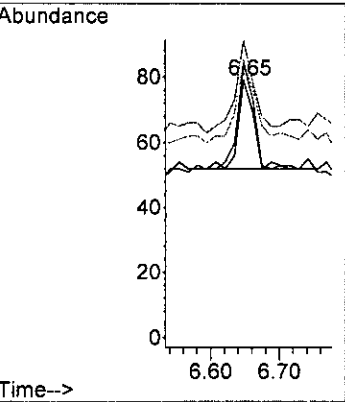
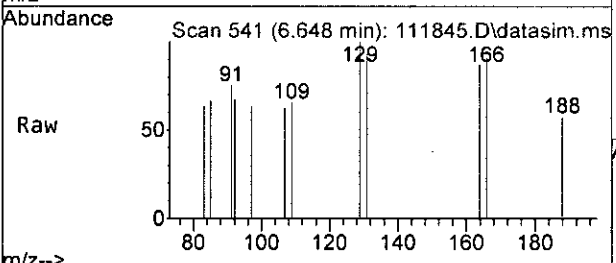
#42
 1,1,2-Trichloroethane
 Concen: Below Cal
 RT: 6.53 min Scan# 532
 Delta R.T. -0.000 min
 Lab File: 111845.D
 Acq: 19 Nov 2022 01:06 am

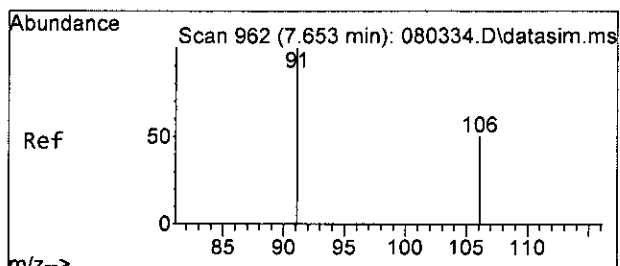
Tgt Ion	Resp	Lower	Upper
83	100		
97	75.0	88.0	148.0#
85	0.0	35.3	95.3#



#45
 Tetrachloroethene
 Concen: Below Cal
 RT: 6.65 min Scan# 541
 Delta R.T. -0.000 min
 Lab File: 111845.D
 Acq: 19 Nov 2022 01:06 am

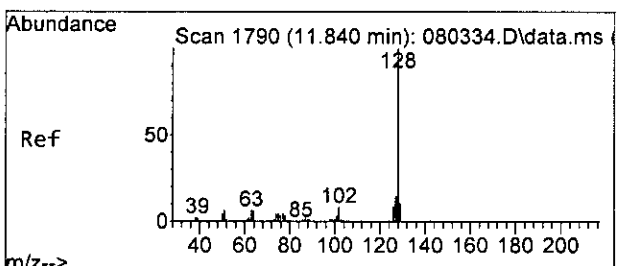
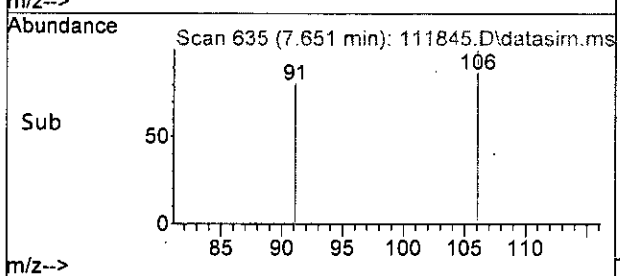
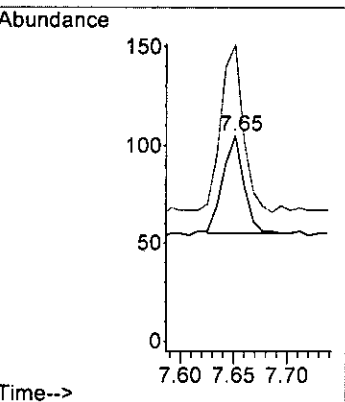
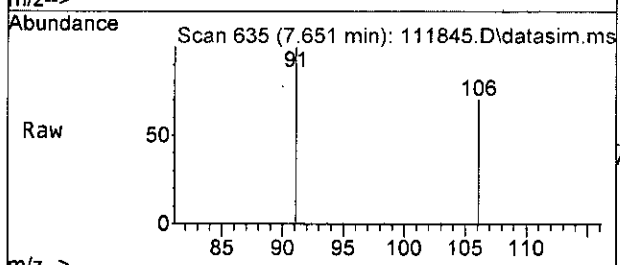
Tgt Ion	Resp	Lower	Upper
164	100		
129	103.7	72.1	132.1
131	92.6	64.8	124.8
166	118.5	90.0	150.0





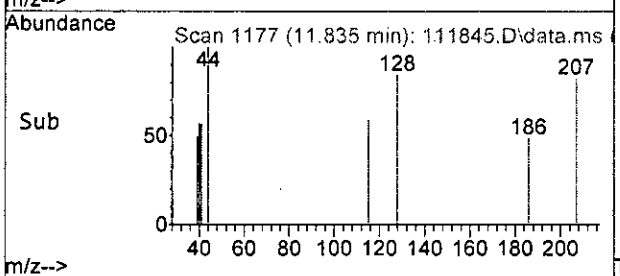
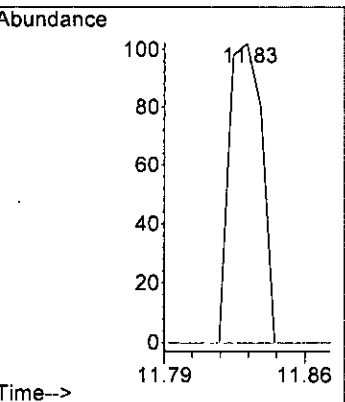
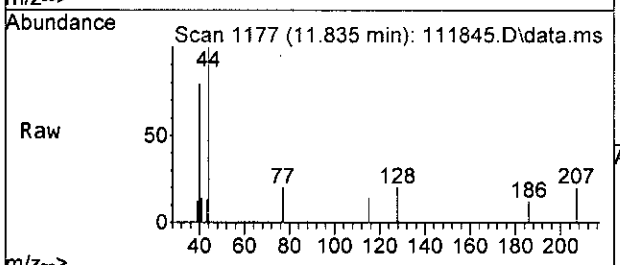
#51
 m,p-Xylene
 Concen: 0.012 ppb
 RT: 7.65 min Scan# 635
 Delta R.T. 0.000 min
 Lab File: 111845.D
 Acq: 19 Nov 2022 01:06 am

Tgt Ion:106 Resp: 68
 Ion Ratio Lower Upper
 106 100
 91 168.0 175.7 235.7#



#75
 Naphthalene
 Concen: 0.089 ppb
 RT: 11.83 min Scan# 1177
 Delta R.T. -0.000 min
 Lab File: 111845.D
 Acq: 19 Nov 2022 01:06 am

Tgt Ion:128 Resp: 116
 Ion Ratio Lower Upper
 128 100
 129 0.0 0.0 40.8
 127 0.0 0.0 43.1



Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111845.D
 Acq On : 19 Nov 2022 01:06 am
 Operator : LM
 Sample : 211237-01 1/0.25
 Misc : soil
 ALS Vial : 38 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:46:43 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	4.75	96	102787	10.000	ppb	0.00	
39) Chlorobenzene-d5	7.40	117	96113	10.000	ppb	0.00	
56) 1,4-Dichlorobenzene-d4	9.62	152	56780	10.000	ppb	0.00	
System Monitoring Compounds							
3) Dibromofluoromethane	4.17	113	34184	10.371	ppb	0.00	
Spiked Amount	10.000	Range	50 - 150	Recovery	=	103.70%	
30) 1,2-Dichloroethane-d4	4.45	102	6264	9.806	ppb	0.00	
Spiked Amount	10.000	Range	84 - 120	Recovery	=	98.10%	
35) Toluene-d8	6.11	98	99005	10.099	ppb	0.00	
Spiked Amount	10.000	Range	73 - 128	Recovery	=	101.00%	
57) 4-Bromofluorobenzene	8.51	95	37319	9.539	ppb	0.00	
Spiked Amount	10.000	Range	57 - 146	Recovery	=	95.40%	
Target Compounds							
2) Ethanol	2.31	45	246	No Calib			Qvalue
4) Dichlorodifluoromethane	0.00		0	N.D.			
5) Chloromethane	1.27	50	835	N.D.			
6) Vinyl chloride	0.00		0	N.D. d			
7) Bromomethane	0.00		0	N.D.			
8) Chloroethane	0.00		0	N.D.			
9) Trichlorofluoromethane	1.83	101	44	N.D.			
10) 2-Propanol	2.31	45	246	No Calib	#		
11) Acetone	2.34	58	128	Below Cal	#	6	
12) 1,1-Dichloroethene	0.00		0	N.D. d			
13) Hexane	3.16	57	165	N.D.			
14) Methylene chloride	2.68	84	3309	Below Cal		98	
15) t-Butyl alcohol (TBA)	0.00		0	N.D.			
16) Methyl t-butyl ether (...)	0.00		0	N.D.			
17) trans-1,2-Dichloroethene	0.00		0	N.D.			
18) Diisopropyl ether (DIPE)	0.00		0	N.D.			
19) 1,1-Dichloroethane	0.00		0	N.D.			
20) Ethyl t-butyl ether (E...)	0.00		0	N.D.			
21) 2,2-Dichloropropane	3.76	77	112	N.D.			
22) cis-1,2-Dichloroethene	0.00		0	N.D.			
23) Chloroform	0.00		0	N.D.			
24) 2-Butanone (MEK)	3.81	43	554	0.173	ppb	50	
25) t-Amyl methyl ether (T...)	0.00		0	N.D.			
26] 1,2-Dichloroethane (EDC)	4.53	62	77	Below Cal		96	
27) 1,1,1-Trichloroethane	0.00		0	N.D.			
28) 1,1-Dichloropropene	0.00		0	N.D.			
29) Carbon tetrachloride	0.00		0	N.D.			
31) Benzene	0.00		0	N.D.			
32) Trichloroethene	0.00		0	N.D. d			
33) 1,2-Dichloropropane	0.00		0	N.D.			
34) Bromodichloromethane	0.00		0	N.D.			
36) Dibromomethane	0.00		0	N.D.			

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111845.D
 Acq On : 19 Nov 2022 01:06 am
 Operator : LM
 Sample : 211237-01 1/0.25
 Misc : soil
 ALS Vial : 38 Sample Multiplier: 1
 InstName : GCMS13

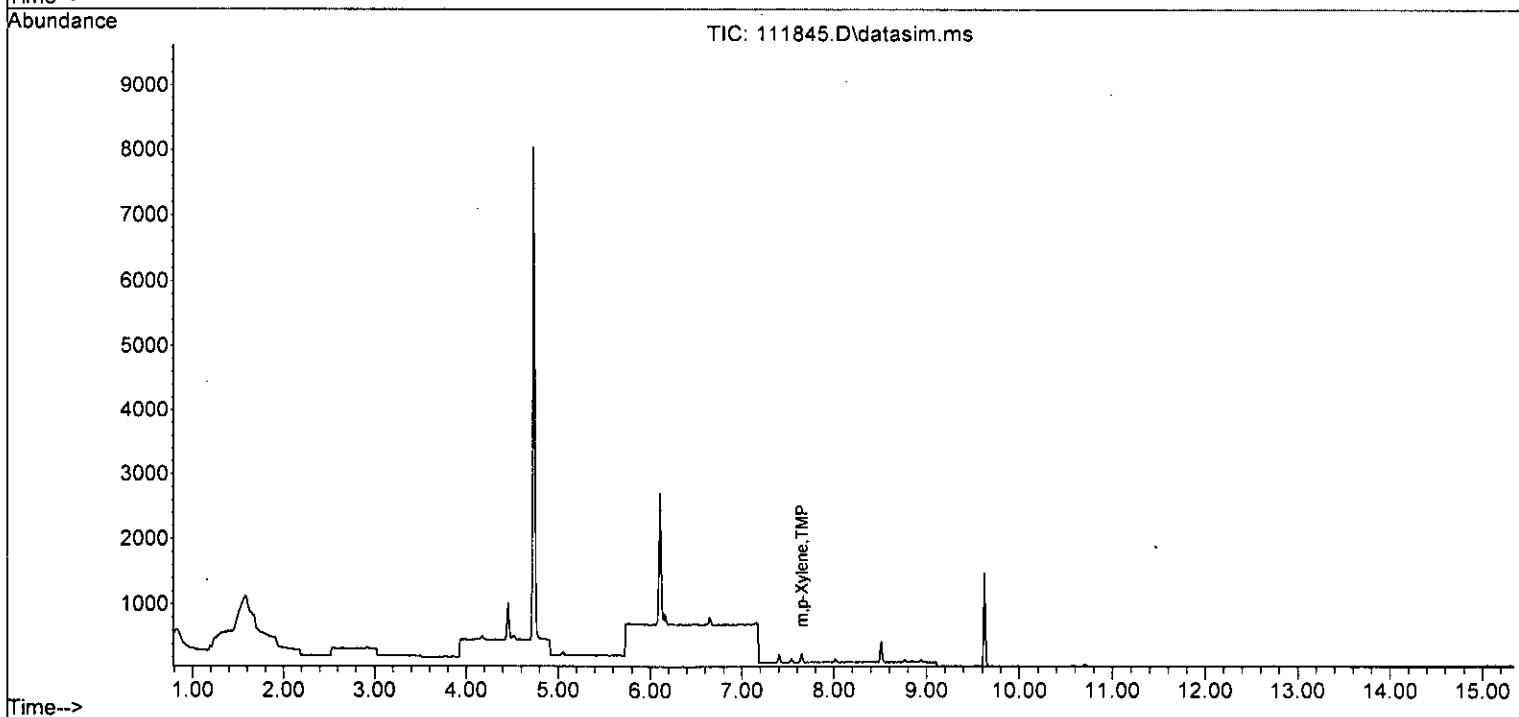
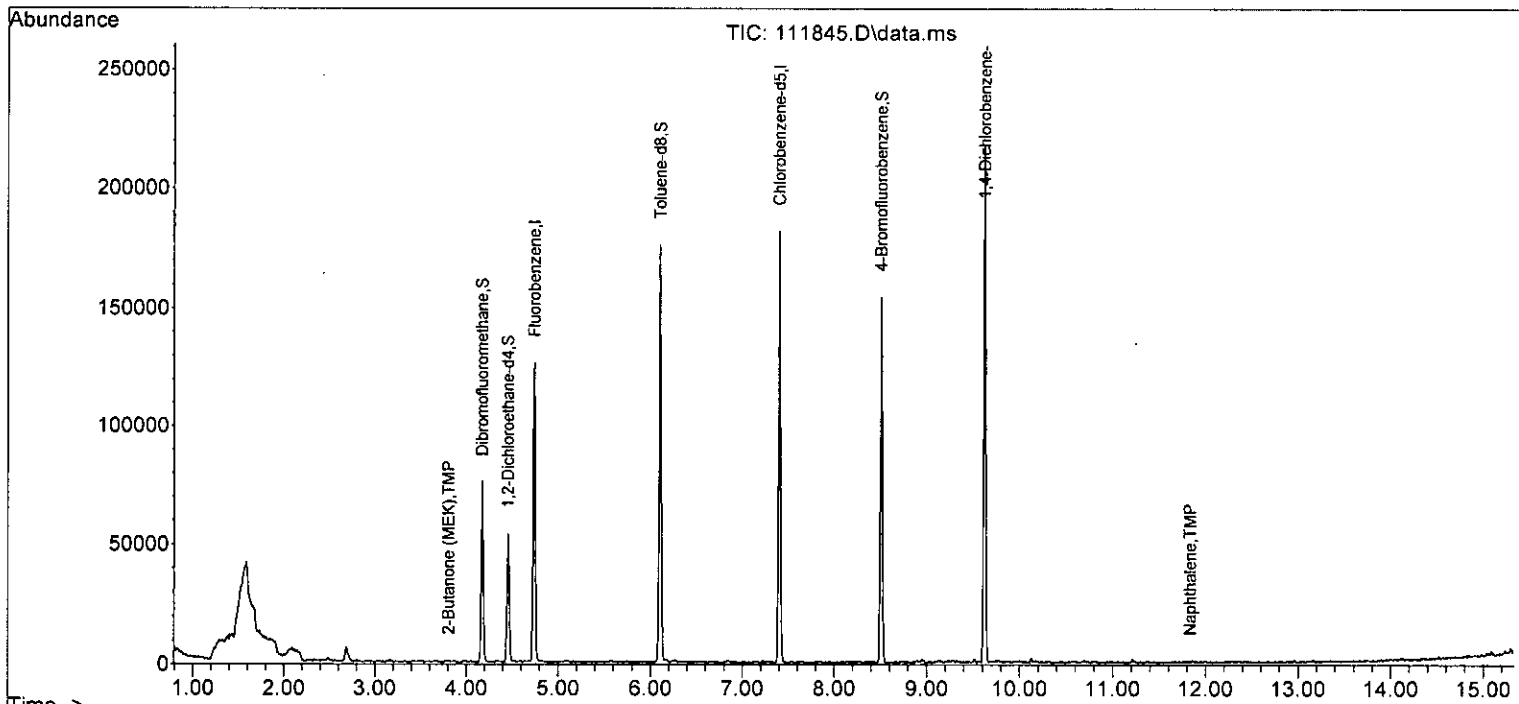
Quant Time: Nov 21 09:46:43 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.00		0		N.D.	
38) cis-1,3-Dichloropropene	0.00		0		N.D.	
40] Toluene	6.16	92	76		Below Cal	96
41) trans-1,3-Dichloropropene	0.00		0		N.D. d	
42] 1,1,2-Trichloroethane	6.53	83	23		Below Cal #	45
43) 2-Hexanone	0.00		0		N.D. d	
44) 1,3-Dichloropropane	0.00		0		N.D.	
45] Tetrachloroethene	6.65	164	43		Below Cal	98
46) Dibromochloromethane	0.00		0		N.D.	
47) 1,2-Dibromoethane (EDB)	0.00		0		N.D.	
48) Chlorobenzene	0.00		0		N.D.	
49) Ethylbenzene	7.54	91	58		N.D.	
50) 1,1,1,2-Tetrachloroethane	0.00		0		N.D.	
51] m,p-Xylene	7.65	106	68	0.012	ppb #	76
52) o-Xylene	8.02	106	23		N.D.	
53) Styrene	0.00		0		N.D.	
54) Isopropylbenzene	8.37	105	200		N.D.	
55) Bromoform	0.00		0		N.D.	
58) n-Propylbenzene	8.77	91	177		N.D.	
59) Bromobenzene	0.00		0		N.D.	
60) 1,3,5-Trimethylbenzene	8.94	105	190		N.D.	
61) 1,1,2,2-Tetrachloroethane	0.00		0		N.D.	
62) 1,2,3-Trichloropropane	0.00		0		N.D. d	
63) 2-Chlorotoluene	8.86	91	31		N.D.	
64) 4-Chlorotoluene	8.86	91	31		N.D.	
65) tert-Butylbenzene	0.00		0		N.D.	
66) 1,2,4-Trimethylbenzene	9.30	105	207		N.D.	
67) sec-Butylbenzene	9.46	105	52		N.D.	
68) p-Isopropyltoluene	9.60	119	71		N.D.	
69) 1,3-Dichlorobenzene	0.00		0		N.D.	
70) 1,4-Dichlorobenzene	0.00		0		N.D.	
71) 1,2-Dichlorobenzene	0.00		0		N.D.	
72) 1,2-Dibromo-3-chloropr...	0.00		0		N.D.	
73) 1,2,4-Trichlorobenzene	0.00		0		N.D.	
74) Hexachlorobutadiene	0.00		0		N.D.	
75) Naphthalene	11.83	128	116	0.089	ppb	69
76) 1,2,3-Trichlorobenzene	0.00		0		N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111845.D
 Acq On : 19 Nov 2022 01:06 am
 Operator : LM
 Sample : 211237-01 1/0.25
 Misc : soil
 ALS Vial : 38 Sample Multiplier: 1
 InstName : GCMS13

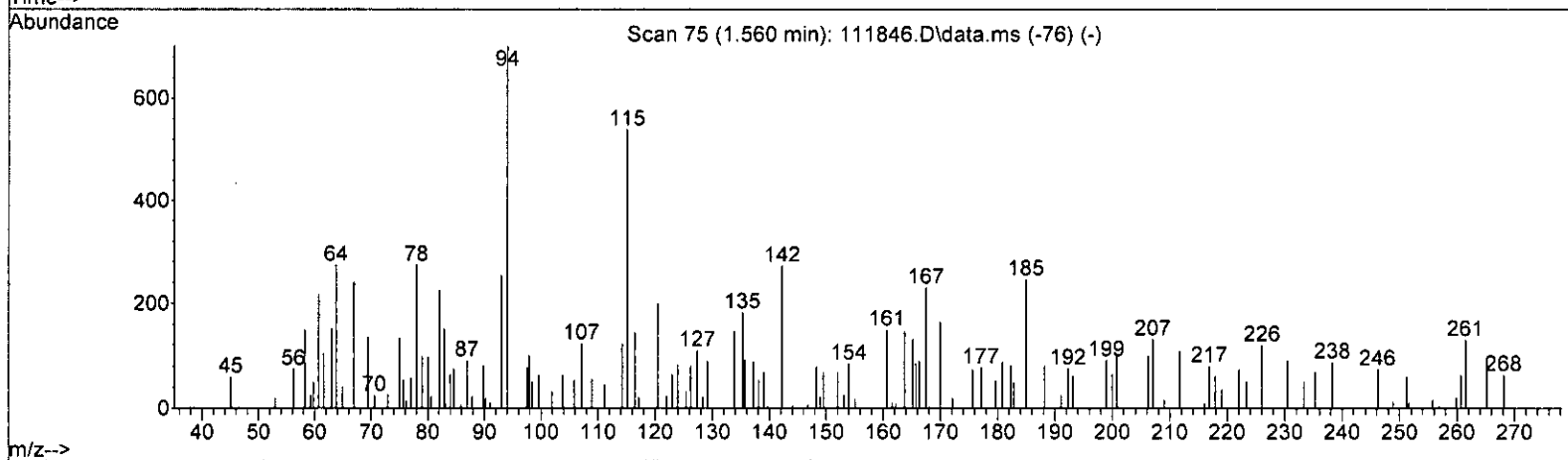
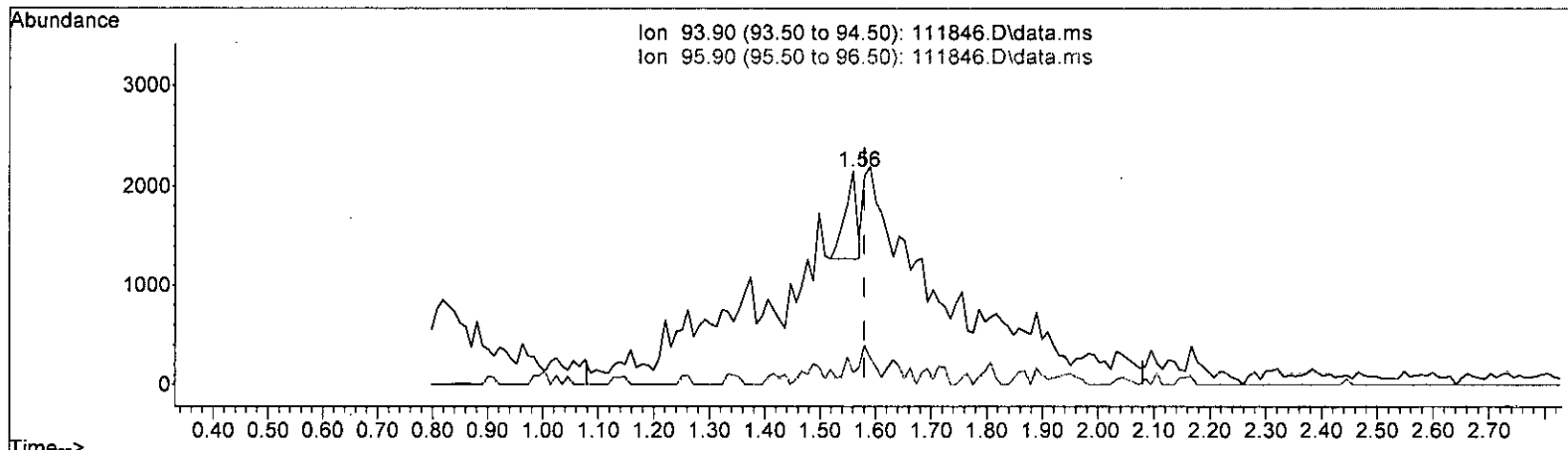
Quant Time: Nov 21 09:46:43 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111846.D
 Acq On : 19 Nov 2022 01:29 am
 Operator : LM
 Sample : 211237-02 1/0.25
 Misc : soil
 ALS Vial : 39 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:46:47 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



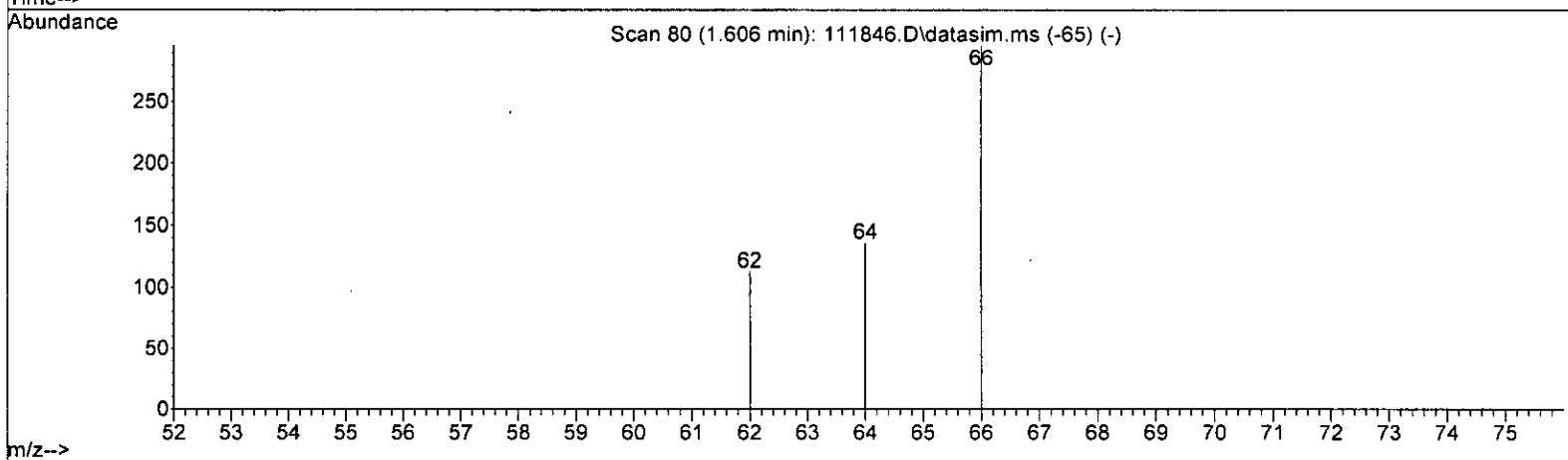
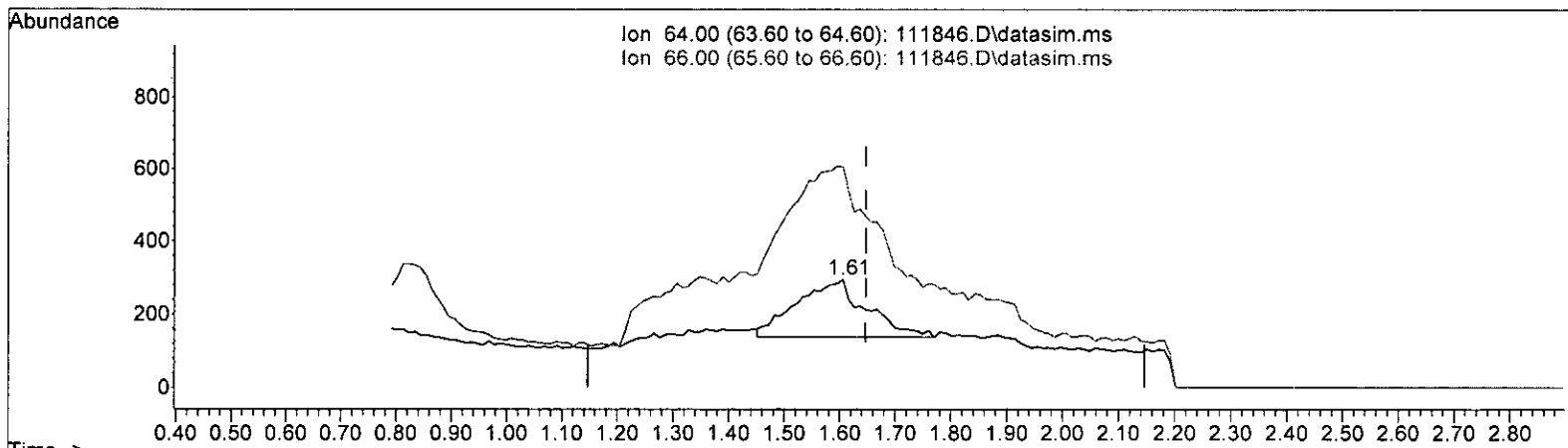
TIC: 111846.D\data.ms

(7) Bromomethane (TMP)		
1.560min (-0.020) 0.291 ppb		
response	1279	
Ion	Exp%	Act%
93.90	100.00	100.00
95.90	93.50	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111846.D
 Acq On : 19 Nov 2022 01:29 am
 Operator : LM
 Sample : 211237-02 1/0.25
 Misc : soil
 ALS Vial : 39 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:46:47 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



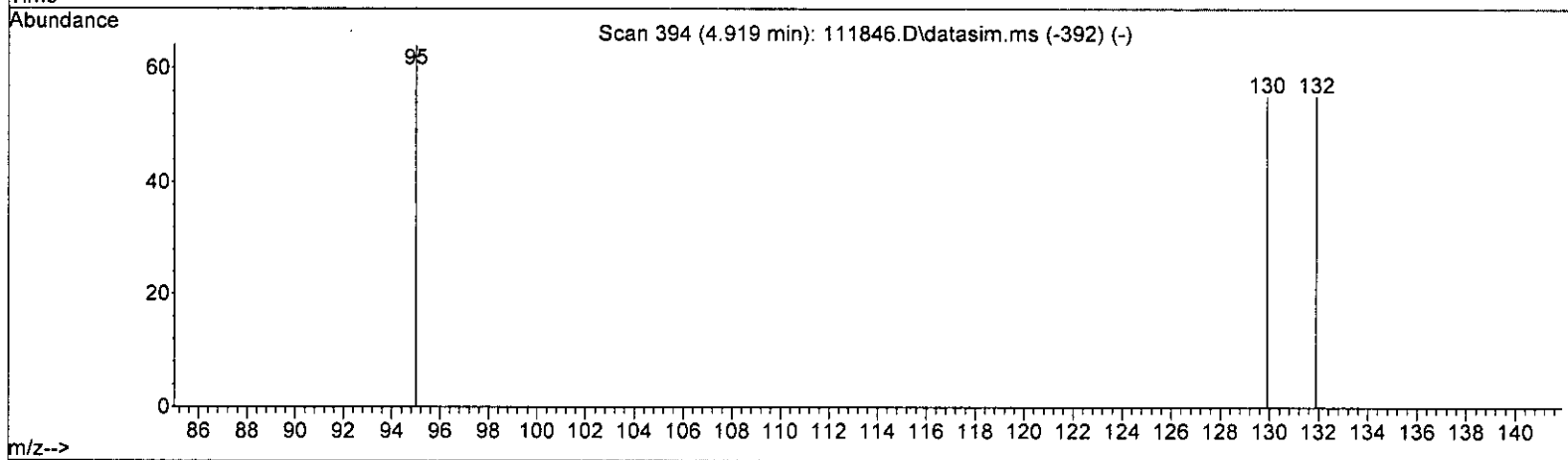
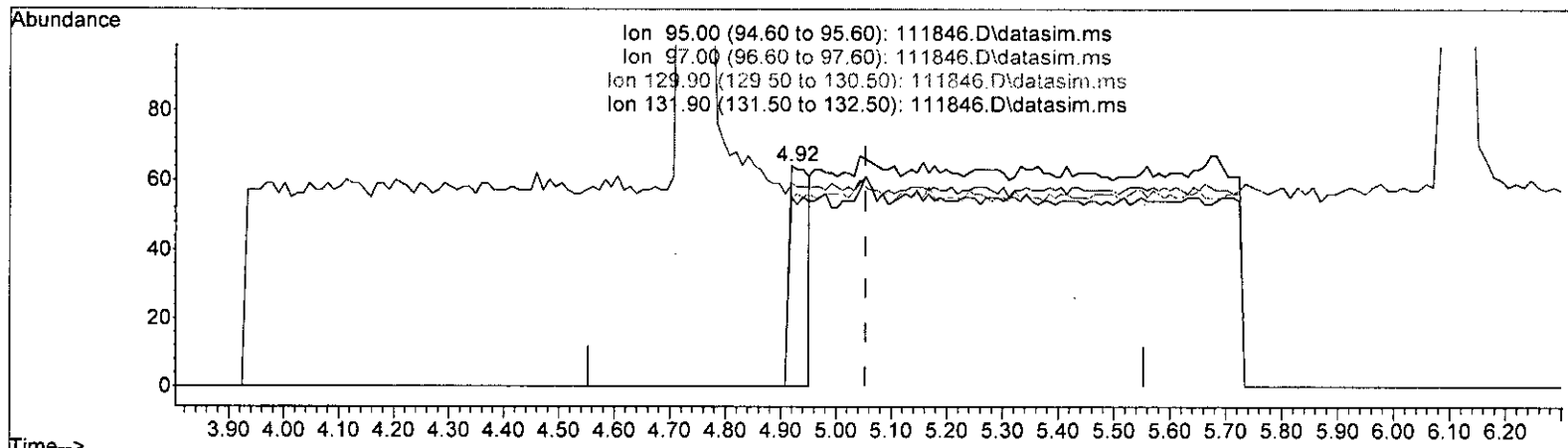
TIC: 111846.D\data.ms

(8) Chloroethane (TMP)			
1.606min (-0.041)		0.583 ppb	
response	1356		
Ion	Exp%	Act%	
64.00	100.00	100.00	
66.00	30.90	206.37#	
0.00	0.00	0.00	
0.00	0.00	0.00	

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111846.D
 Acq On : 19 Nov 2022 01:29 am
 Operator : LM
 Sample : 211237-02 1/0.25
 Misc : soil
 ALS Vial : 39 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:46:47 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 111846.D\data.ms

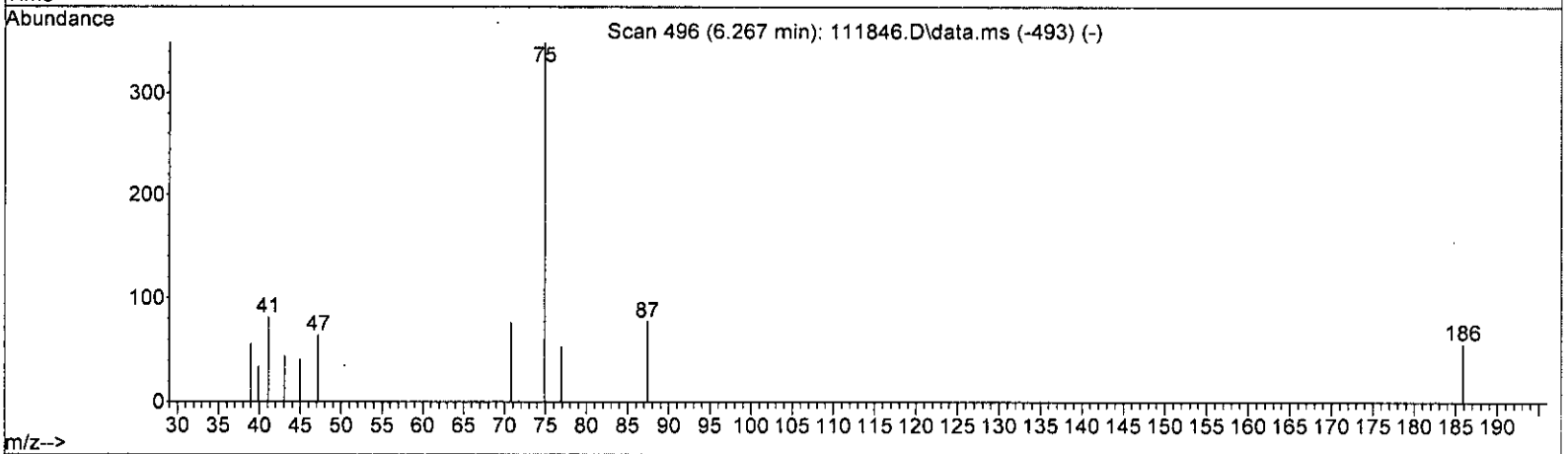
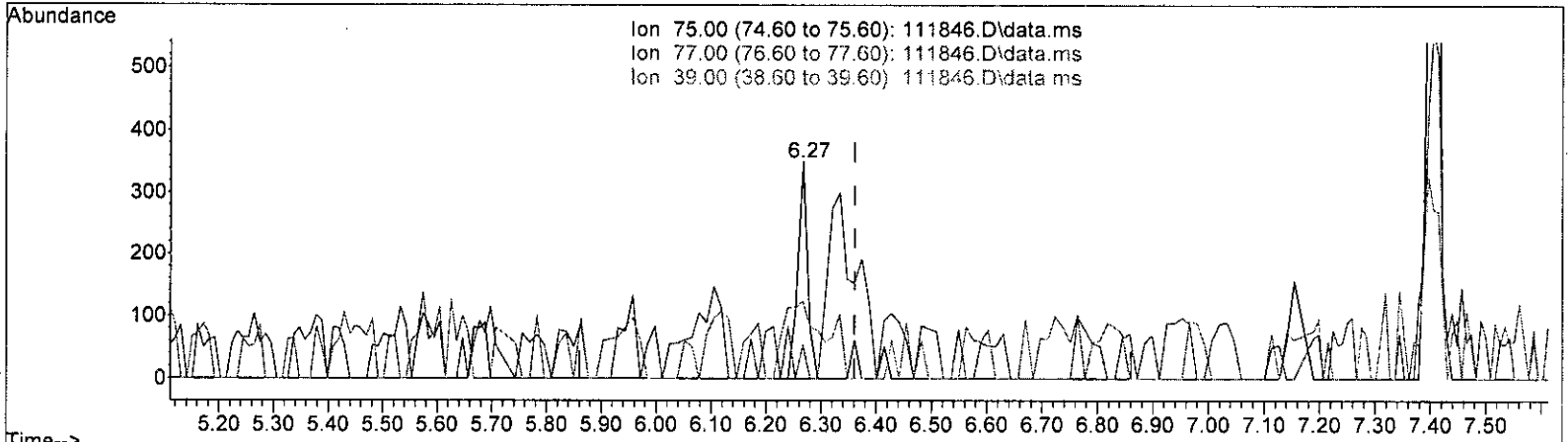
(32) Trichloroethene (TMP)
 4.919min (-0.134) 0.043 ppb

response	161	
Ion	Exp%	Act%
95.00	100.00	100.00
97.00	64.60	1.56#
129.90	103.40	85.94
131.90	95.80	85.94

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111846.D
 Acq On : 19 Nov 2022 01:29 am
 Operator : LM
 Sample : 211237-02 1/0.25
 Misc : soil
 ALS Vial : 39 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:46:47 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 111846.D\data.ms

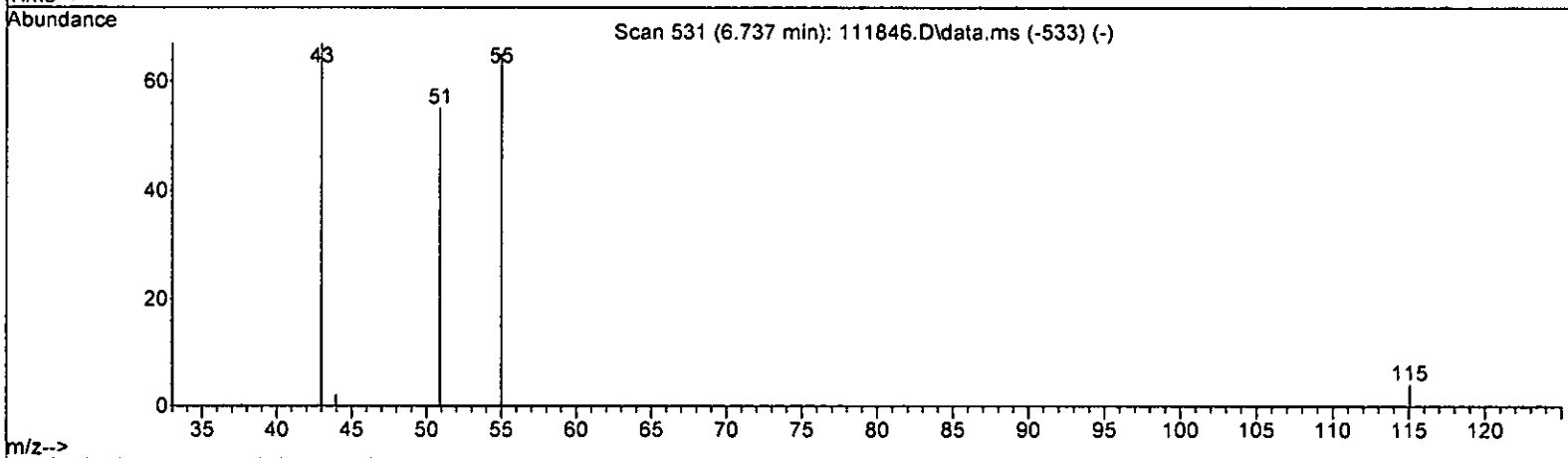
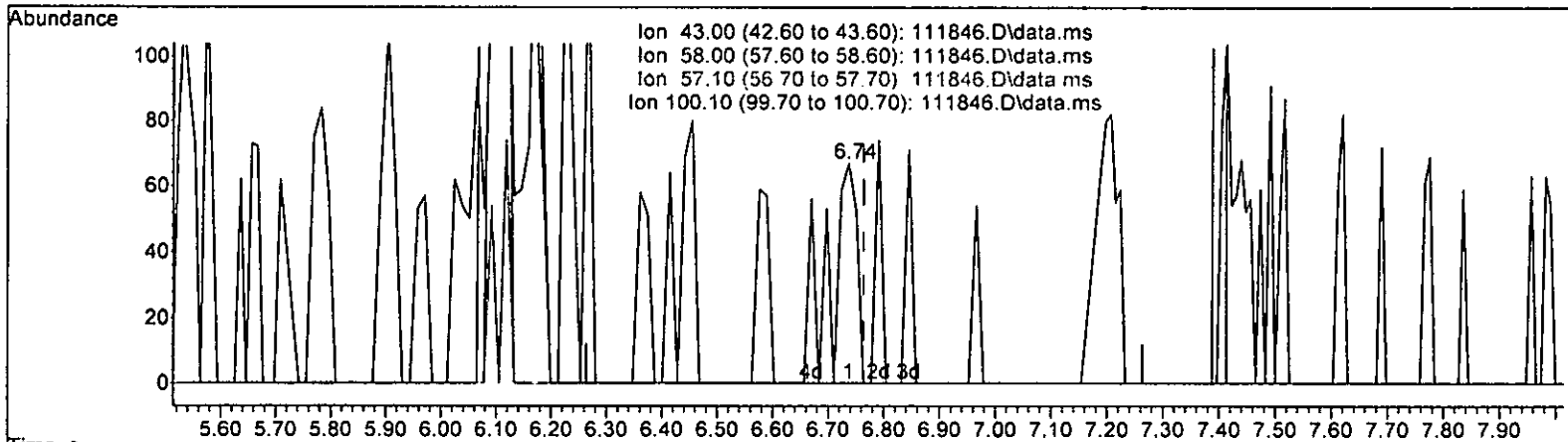
(41) trans-1,3-Dichloropropene (TMP)
 6.267min (-0.094) 0.133 ppb
 response 428

Ion	Exp%	Act%
75.00	100.00	100.00
77.00	32.60	15.19
39.00	46.30	18.62
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111846.D
 Acq On : 19 Nov 2022 01:29 am
 Operator : LM
 Sample : 211237-02 1/0.25
 Misc : soil
 ALS Vial : 39 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:46:47 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth: VM080322.M



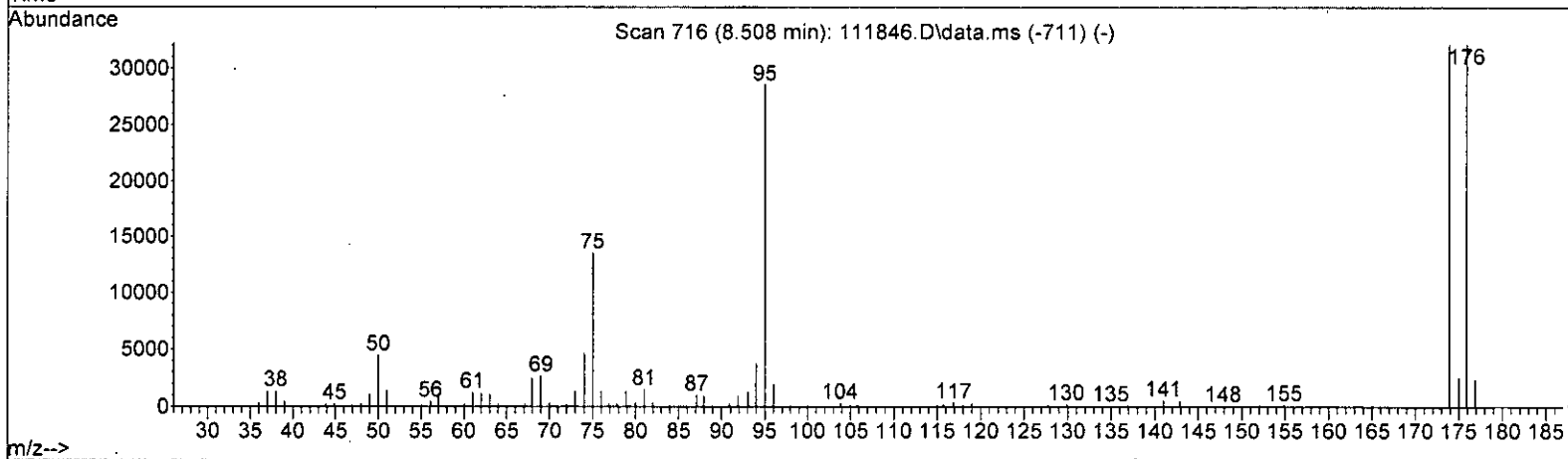
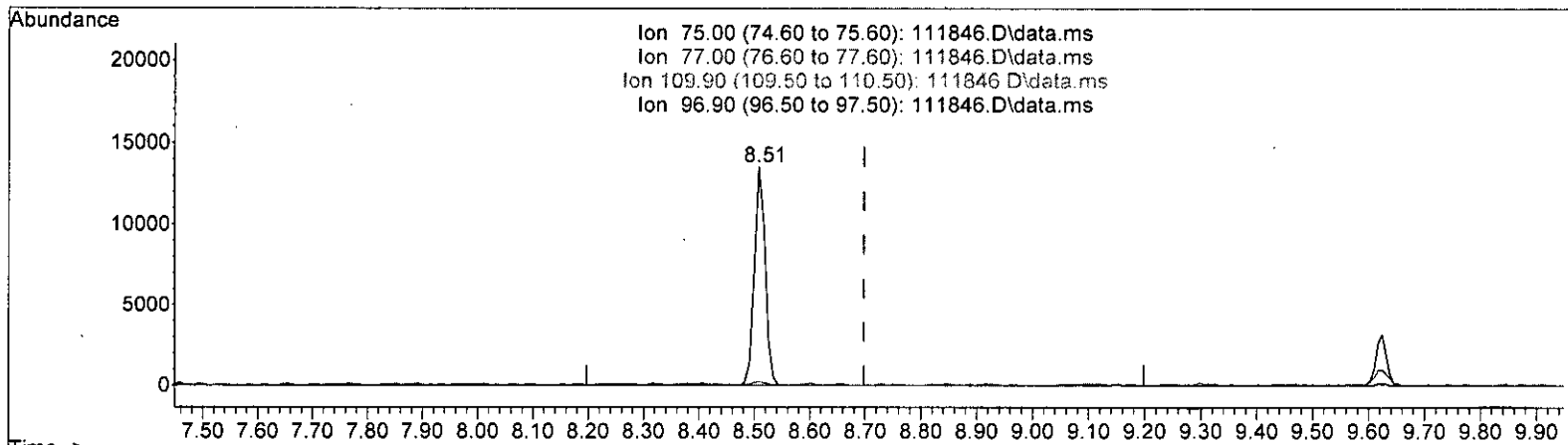
TIC: 111846.D\data.ms

(43) 2-Hexanone (TMP)		
6.737min (-0.027) 0.103 ppb		
response	186	
Ion	Exp%	Act%
43.00	100.00	100.00
58.00	51.50	0.00#
57.10	16.30	0.00
100.10	10.20	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111846.D
 Acq On : 19 Nov 2022 01:29 am
 Operator : LM
 Sample : 211237-02 1/0.25
 Misc : soil
 ALS Vial : 39 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:46:47 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 111846.D\data.ms

(62) 1,2,3-Trichloropropane (TMP)

8.508min (-0.190) 6.528 ppb

response	18247
Ion	Exp% Act%
75.00	100.00 100.00
77.00	34.00 1.77#
109.90	36.50 0.00#
96.90	22.60 0.00

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111846.D
 Acq On : 19 Nov 2022 01:29 am
 Operator : LM
 Sample : 211237-02 1/0.25
 Misc : soil
 ALS Vial : 39 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:46:47 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

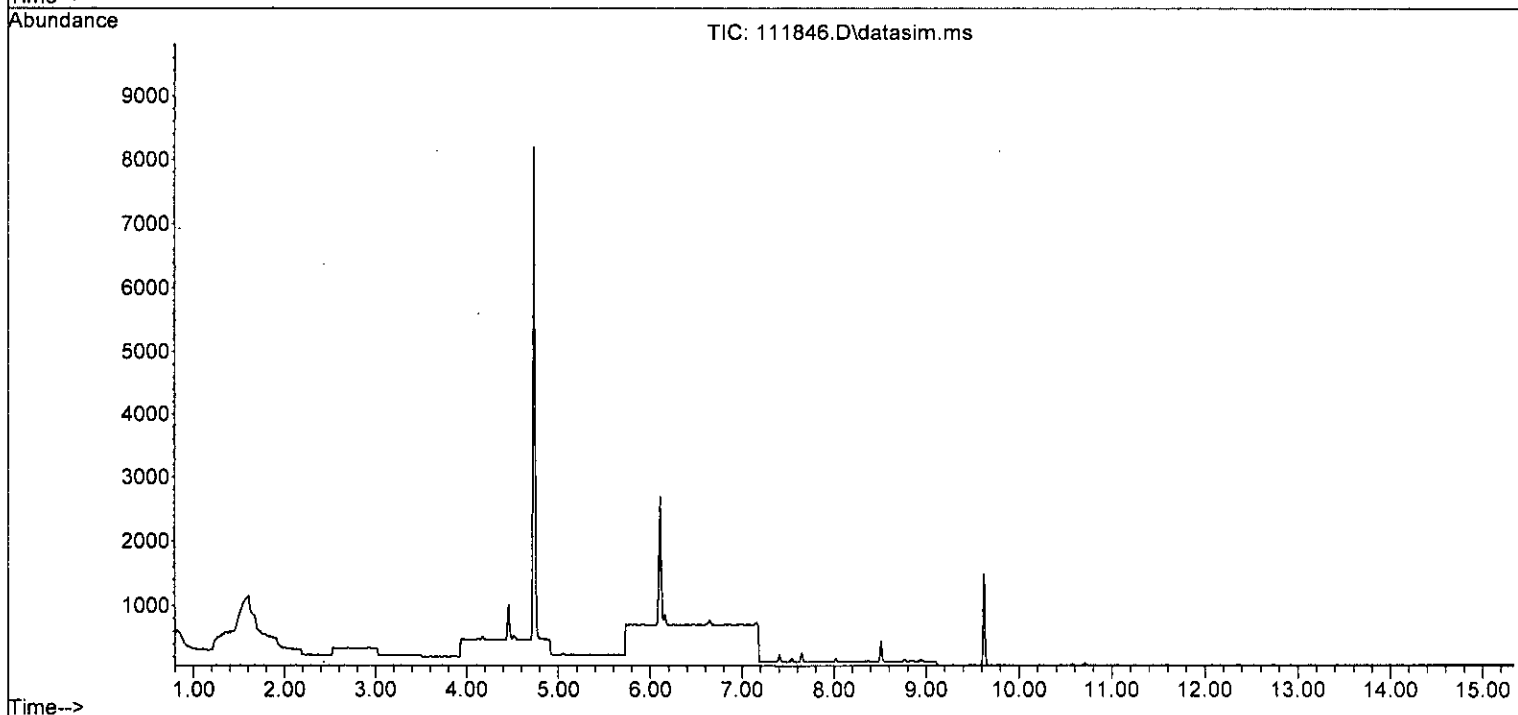
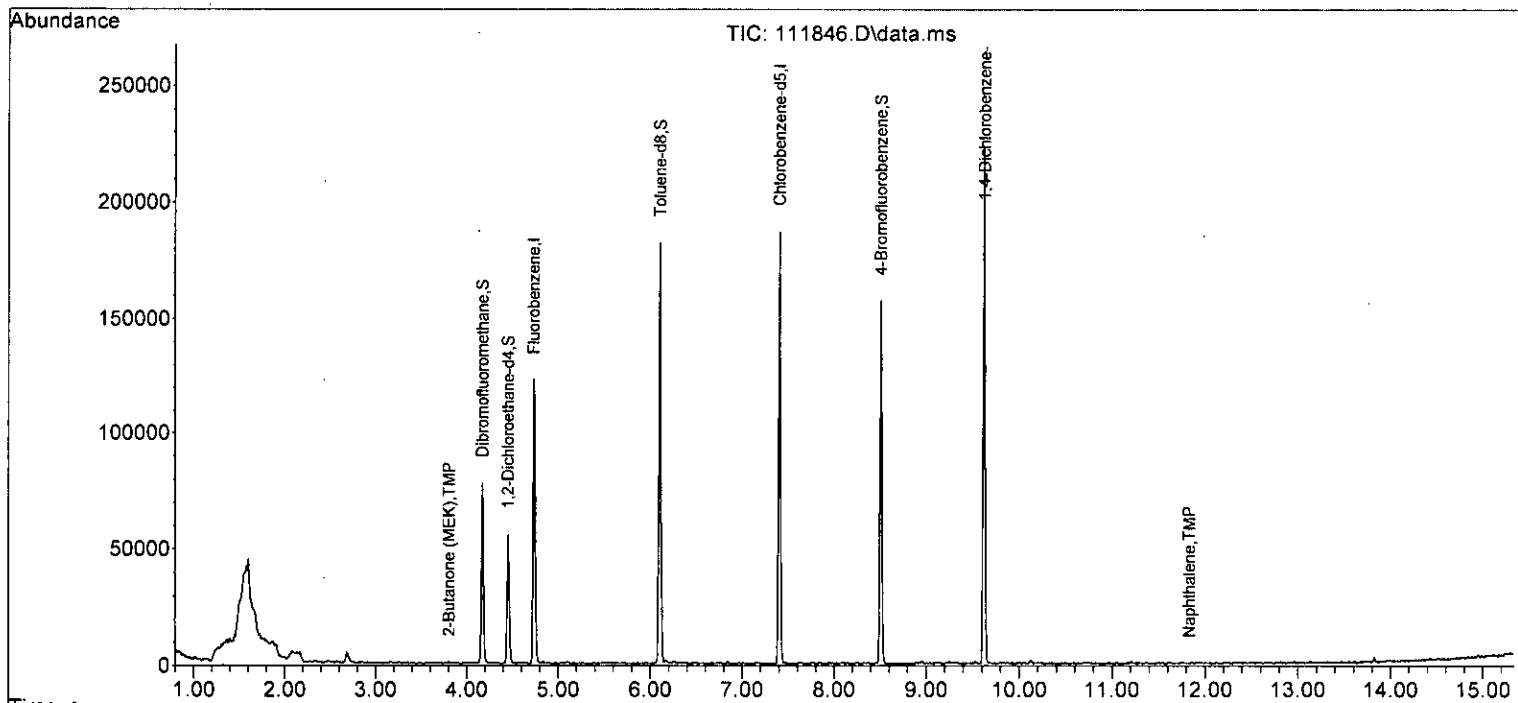
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

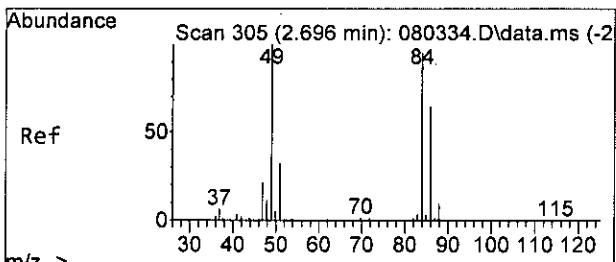
Internal Standards						
1) Fluorobenzene	4.73	96	101735	10.000	ppb	-0.01
39) Chlorobenzene-d5	7.41	117	95597	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	57487	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.18	113	34470	10.565	ppb	0.00
Spiked Amount	10.000	Range 50 - 150	Recovery	=	105.70%	
30) 1,2-Dichloroethane-d4	4.45	102	6538	10.341	ppb	0.00
Spiked Amount	10.000	Range 84 - 120	Recovery	=	103.40%	
35) Toluene-d8	6.11	98	99026	10.206	ppb	0.00
Spiked Amount	10.000	Range 73 - 128	Recovery	=	102.10%	
57) 4-Bromofluorobenzene	8.51	95	38980	9.841	ppb	0.00
Spiked Amount	10.000	Range 57 - 146	Recovery	=	98.40%	
Target Compounds						
11) Acetone	2.34	58	38	Below Cal	#	1
14) Methylene chloride	2.68	84	2604	Below Cal		83
24) 2-Butanone (MEK)	3.81	43	627	0.236	ppb	83
26] 1,2-Dichloroethane (EDC)	4.52	62	78	Below Cal		84
40] Toluene	6.16	92	81	Below Cal		89
45] Tetrachloroethene	6.65	164	30	Below Cal		86
75) Naphthalene	11.83	128	218	0.099	ppb	69

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS13\11-18-22\
Data File : 111846.D
Acq On : 19 Nov 2022 01:29 am
Operator : LM
Sample : 211237-02 1/0.25
Misc : soil
ALS Vial : 39 Sample Multiplier: 1
InstName : GCMS13

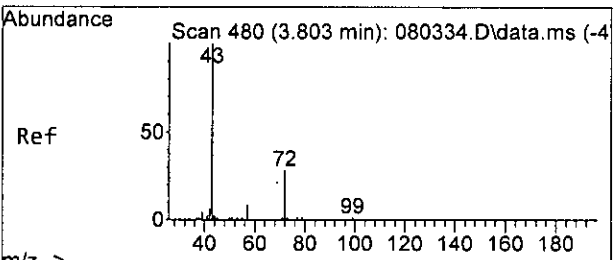
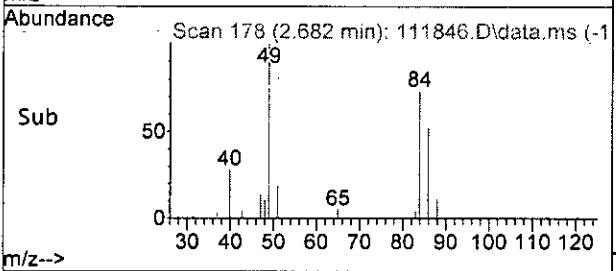
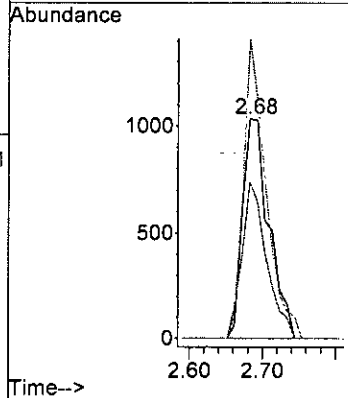
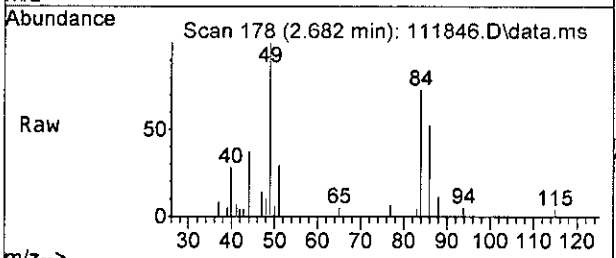
Quant Time: Nov 21 09:46:47 2022
Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
QLast Update : Mon Nov 07 15:16:10 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M





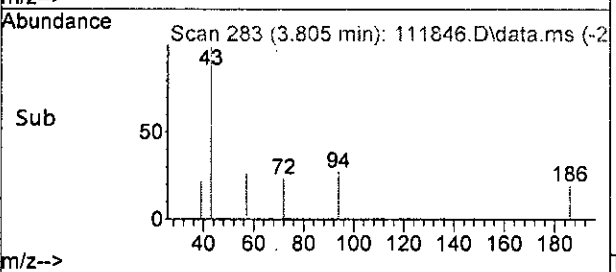
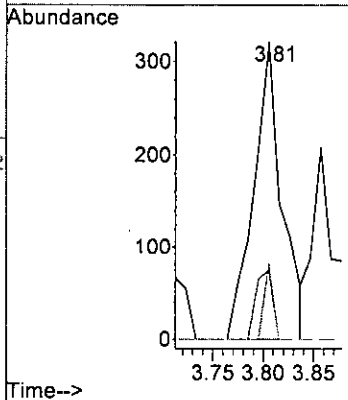
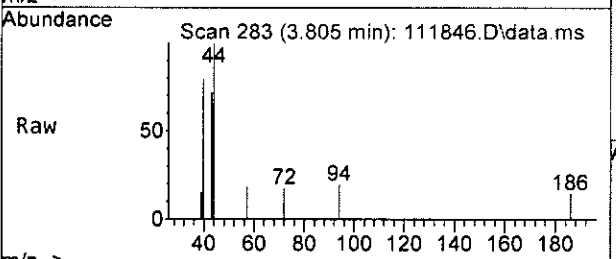
#14
 Methylene chloride
 Concen: Below Cal
 RT: 2.68 min Scan# 178
 Delta R.T. 0.000 min
 Lab File: 111846.D
 Acq: 19 Nov 2022 01:29 am

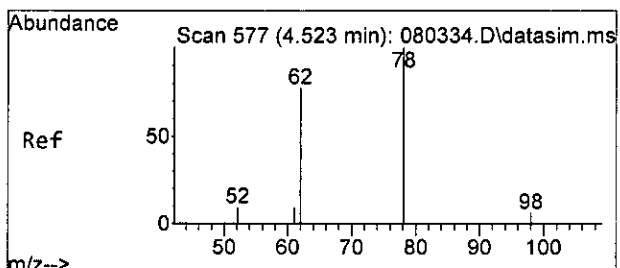
Tgt Ion: 84 Resp: 2604
 Ion Ratio Lower Upper
 84 100
 86 71.5 37.1 97.1
 49 136.3 81.3 141.3



#24
 2-Butanone (MEK)
 Concen: 0.236 ppb
 RT: 3.81 min Scan# 283
 Delta R.T. 0.010 min
 Lab File: 111846.D
 Acq: 19 Nov 2022 01:29 am

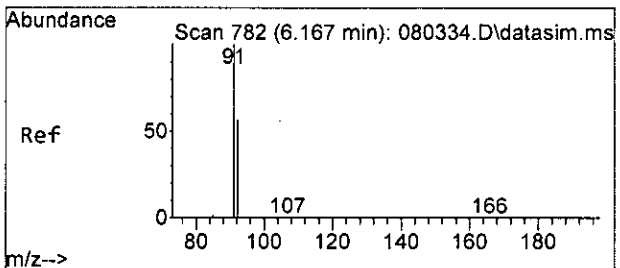
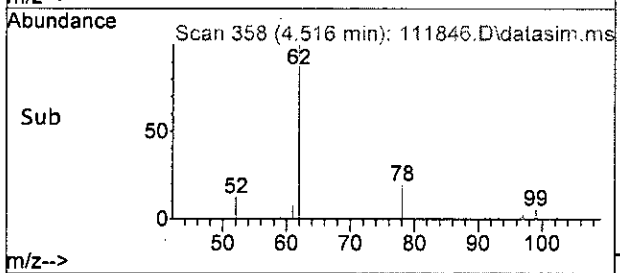
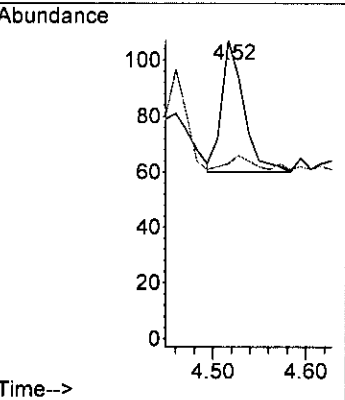
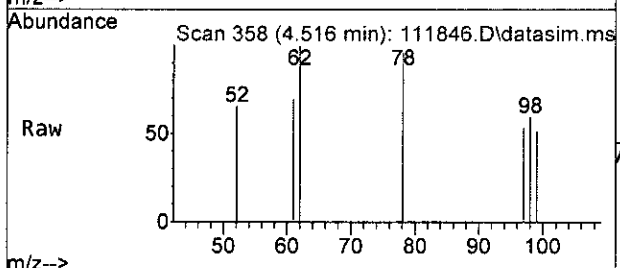
Tgt Ion: 43 Resp: 627
 Ion Ratio Lower Upper
 43 100
 72 23.4 0.0 57.0
 57 25.5 0.0 28.0





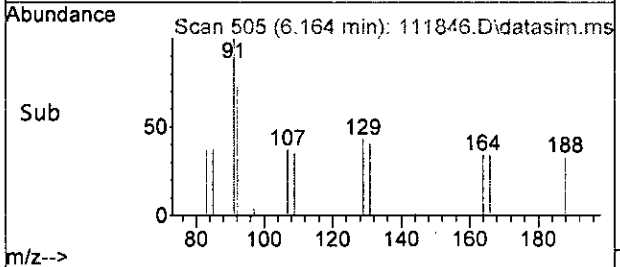
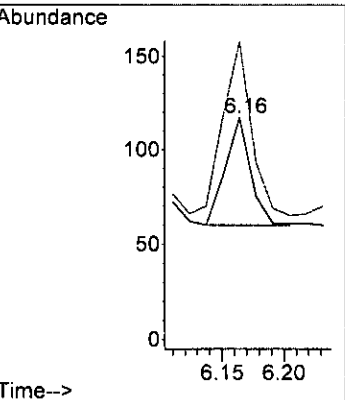
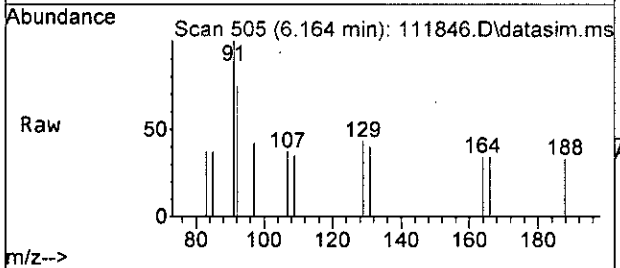
#26
 1,2-Dichloroethane (EDC)
 Concen: Below Cal
 RT: 4.52 min Scan# 358
 Delta R.T. -0.011 min
 Lab File: 111846.D
 Acq: 19 Nov 2022 01:29 am

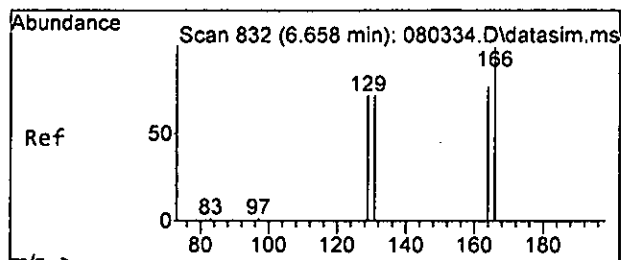
Tgt Ion: 62 Resp: 78
 Ion Ratio Lower Upper
 62 100
 98 4.3 0.0 40.1



#40
 Toluene
 Concen: Below Cal
 RT: 6.16 min Scan# 505
 Delta R.T. 0.000 min
 Lab File: 111846.D
 Acq: 19 Nov 2022 01:29 am

Tgt Ion: 92 Resp: 81
 Ion Ratio Lower Upper
 92 100
 91 163.2 148.5 208.5

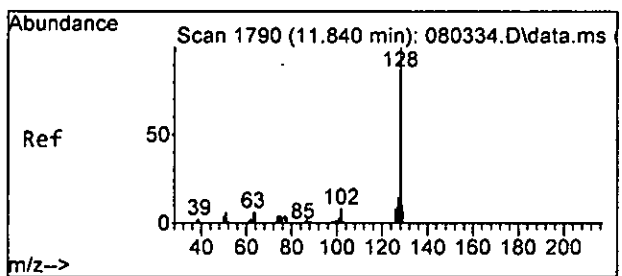
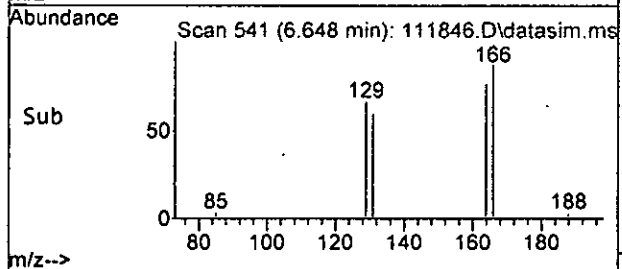
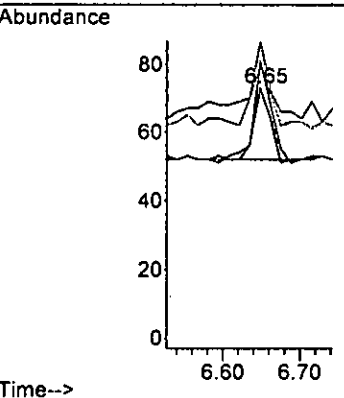
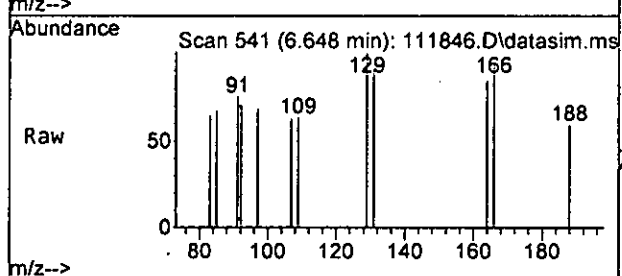




#45
 Tetrachloroethene
 Concen: Below Cal
 RT: 6.65 min Scan# 541
 Delta R.T. 0.000 min
 Lab File: 111846.D
 Acq: 19 Nov 2022 01:29 am

Tgt Ion:164 Resp: 30

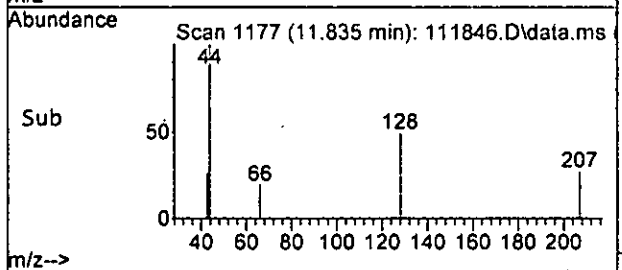
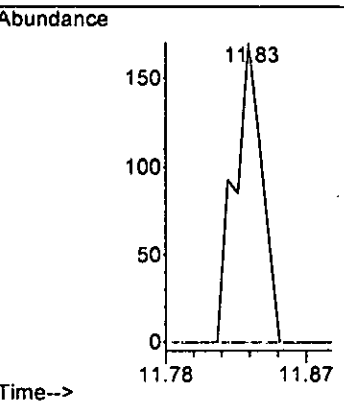
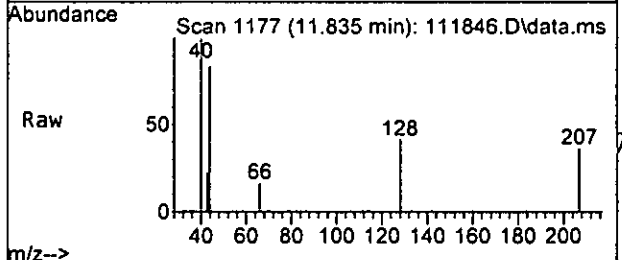
Ion	Ratio	Lower	Upper
164	100		
129	100.0	72.1	132.1
131	76.2	64.8	124.8
166	142.9	90.0	150.0



#75
 Naphthalene
 Concen: 0.099 ppb
 RT: 11.83 min Scan# 1177
 Delta R.T. -0.000 min
 Lab File: 111846.D
 Acq: 19 Nov 2022 01:29 am

Tgt Ion:128 Resp: 218

Ion	Ratio	Lower	Upper
128	100		
129	0.0	0.0	40.8
127	0.0	0.0	43.1



Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111846.D
 Acq On : 19 Nov 2022 01:29 am
 Operator : LM
 Sample : 211237-02 1/0.25
 Misc : soil
 ALS Vial : 39 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:46:47 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 Qlast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	4.73	96	101735	10.000	ppb	-0.01
39) Chlorobenzene-d5	7.41	117	95597	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	57487	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.18	113	34470	10.565	ppb	0.00
Spiked Amount	10.000	Range	50 - 150	Recovery	=	105.70%
30) 1,2-Dichloroethane-d4	4.45	102	6538	10.341	ppb	0.00
Spiked Amount	10.000	Range	84 - 120	Recovery	=	103.40%
35) Toluene-d8	6.11	98	99026	10.206	ppb	0.00
Spiked Amount	10.000	Range	73 - 128	Recovery	=	102.10%
57) 4-Bromofluorobenzene	8.51	95	38980	9.841	ppb	0.00
Spiked Amount	10.000	Range	57 - 146	Recovery	=	98.40%
Target Compounds						
						Qvalue
2) Ethanol	0.00		0		N.D.	
4) Dichlorodifluoromethane	0.00		0		N.D.	
5) Chloromethane	1.26	50	348		N.D.	
6) Vinyl chloride	0.00		0		N.D.	
7) Bromomethane	0.00		0		N.D. d	
8) Chloroethane	0.00		0		N.D. d	
9) Trichlorofluoromethane	0.00		0		N.D.	
10) 2-Propanol	0.00		0		N.D.	
11) Acetone	2.34	58	38	Below Cal	#	1
12) 1,1-Dichloroethene	0.00		0		N.D.	
13) Hexane	3.16	57	114		N.D.	
14) Methylene chloride	2.68	84	2604	Below Cal		83
15) t-Butyl alcohol (TBA)	0.00		0		N.D.	
16) Methyl t-butyl ether (...)	0.00		0		N.D.	
17) trans-1,2-Dichloroethene	0.00		0		N.D.	
18) Diisopropyl ether (DIPE)	3.33	45	33		N.D.	
19) 1,1-Dichloroethane	0.00		0		N.D.	
20) Ethyl t-butyl ether (E...)	0.00		0		N.D.	
21) 2,2-Dichloropropane	3.75	77	276		N.D.	
22) cis-1,2-Dichloroethene	0.00		0		N.D.	
23) Chloroform	0.00		0		N.D.	
24) 2-Butanone (MEK)	3.81	43	627	0.236	ppb	83
25) t-Amyl methyl ether (T...)	0.00		0		N.D.	
26] 1,2-Dichloroethane (EDC)	4.52	62	78	Below Cal		84
27) 1,1,1-Trichloroethane	0.00		0		N.D.	
28) 1,1-Dichloropropene	0.00		0		N.D.	
29) Carbon tetrachloride	0.00		0		N.D.	
31) Benzene	0.00		0		N.D.	
32) Trichloroethene	0.00		0		N.D. d	
33) 1,2-Dichloropropane	0.00		0		N.D.	
34) Bromodichloromethane	0.00		0		N.D.	
36) Dibromomethane	0.00		0		N.D.	

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111846.D
 Acq On : 19 Nov 2022 01:29 am
 Operator : LM
 Sample : 211237-02 1/0.25
 Misc : soil
 ALS Vial : 39 Sample Multiplier: 1
 InstName : GCMS13

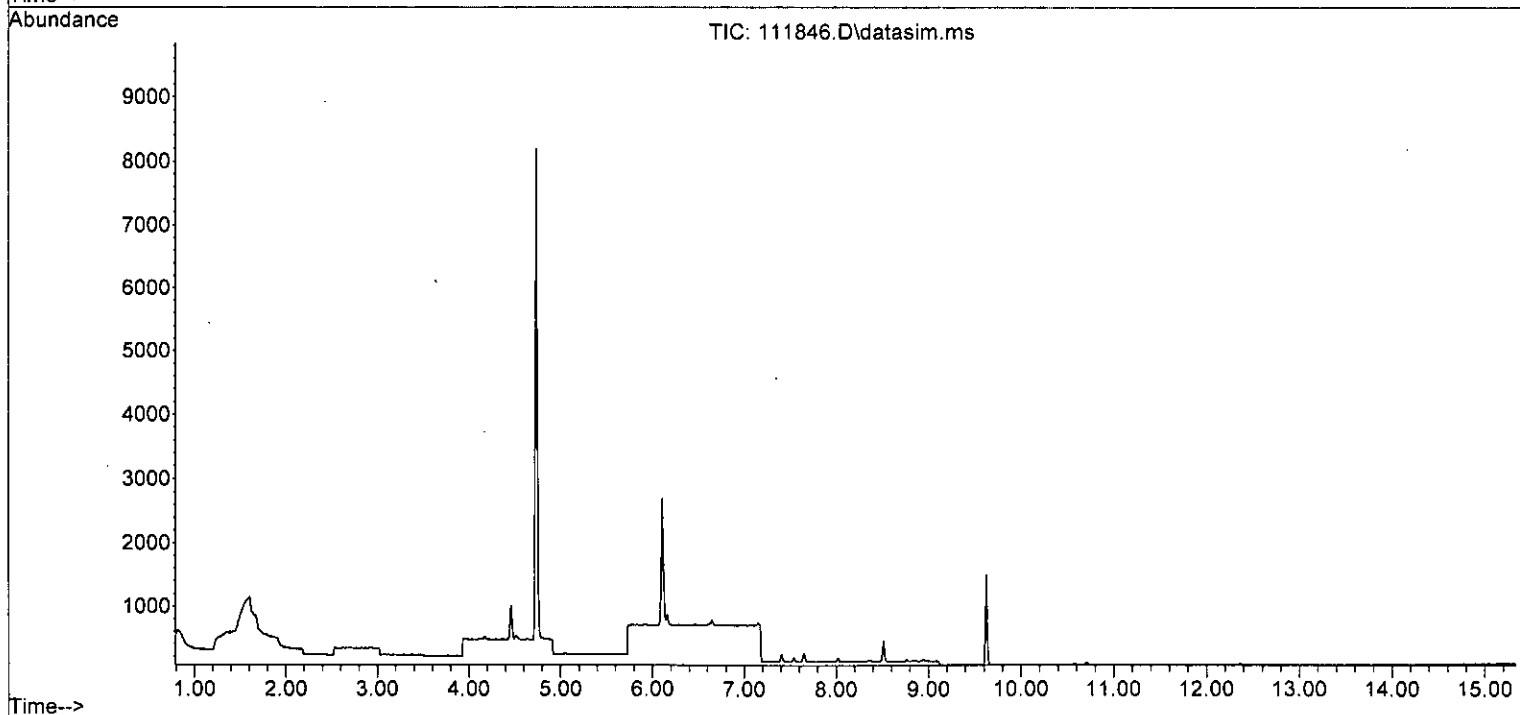
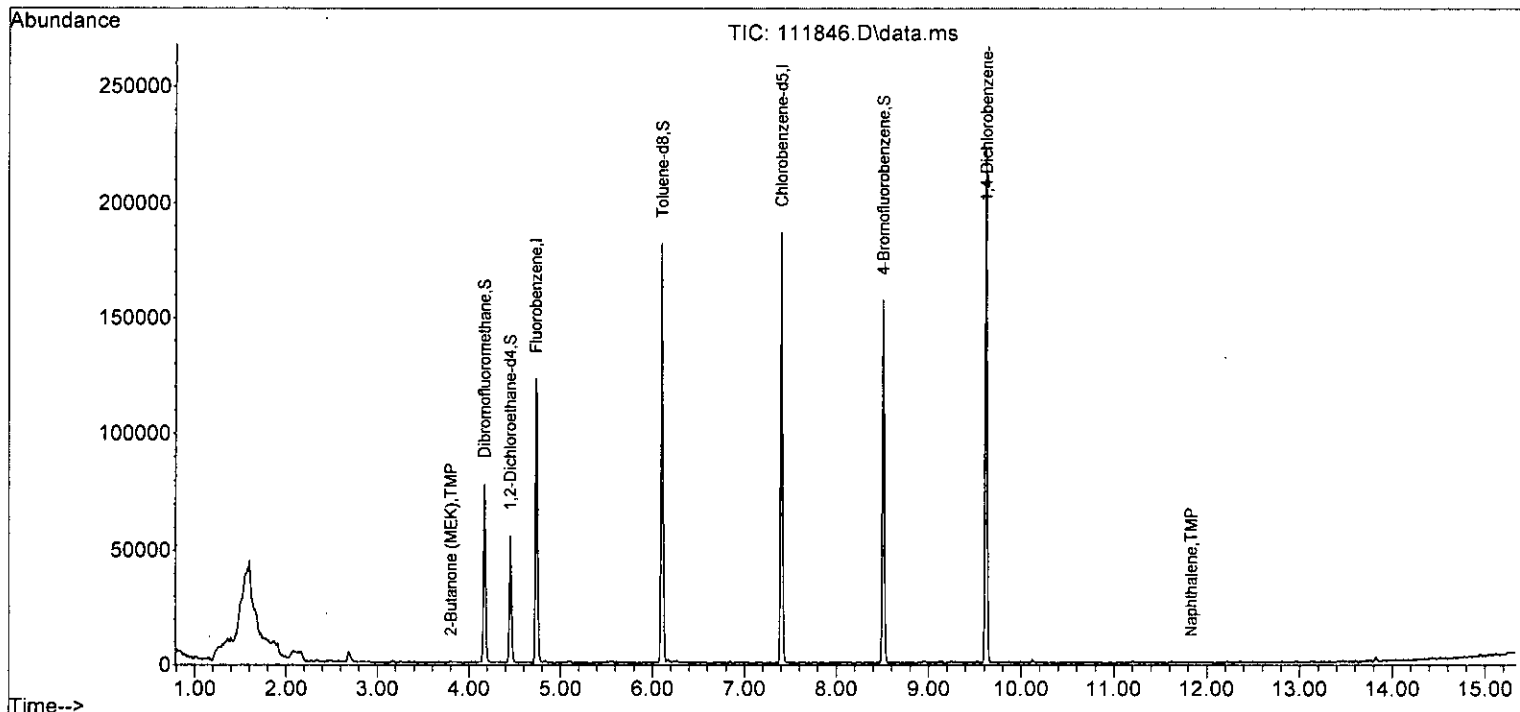
Quant Time: Nov 21 09:46:47 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.00		0		N.D.	
38) cis-1,3-Dichloropropene	0.00		0		N.D.	
40] Toluene	6.16	92	81	Below Cal		89
41) trans-1,3-Dichloropropene	0.00		0		N.D. d	
42) 1,1,2-Trichloroethane	0.00		0		N.D.	
43) 2-Hexanone	0.00		0		N.D. d	
44) 1,3-Dichloropropane	6.55	76	44		N.D.	
45] Tetrachloroethene	6.65	164	30	Below Cal		86
46) Dibromochloromethane	0.00		0		N.D.	
47) 1,2-Dibromoethane (EDB)	0.00		0		N.D.	
48) Chlorobenzene	0.00		0		N.D.	
49) Ethylbenzene	7.54	91	68		N.D.	
50) 1,1,1,2-Tetrachloroethane	0.00		0		N.D.	
51) m,p-Xylene	7.54	106	23		N.D.	
52) o-Xylene	8.02	106	31		N.D.	
53) Styrene	0.00		0		N.D.	
54) Isopropylbenzene	8.37	105	140		N.D.	
55) Bromoform	0.00		0		N.D.	
58) n-Propylbenzene	8.94	91	89		N.D.	
59) Bromobenzene	0.00		0		N.D.	
60) 1,3,5-Trimethylbenzene	8.94	105	181		N.D.	
61) 1,1,2,2-Tetrachloroethane	0.00		0		N.D.	
62) 1,2,3-Trichloropropane	0.00		0		N.D. d	
63) 2-Chlorotoluene	8.94	91	89		N.D.	
64) 4-Chlorotoluene	8.94	91	89		N.D.	
65) tert-Butylbenzene	9.29	119	22		N.D.	
66) 1,2,4-Trimethylbenzene	9.29	105	330		N.D.	
67) sec-Butylbenzene	9.46	105	33		N.D.	
68) p-Isopropyltoluene	9.61	119	83		N.D.	
69) 1,3-Dichlorobenzene	9.65	146	25		N.D.	
70) 1,4-Dichlorobenzene	9.65	146	25		N.D.	
71) 1,2-Dichlorobenzene	0.00		0		N.D.	
72) 1,2-Dibromo-3-chloropr...	0.00		0		N.D.	
73) 1,2,4-Trichlorobenzene	0.00		0		N.D.	
74) Hexachlorobutadiene	0.00		0		N.D.	
75) Naphthalene	11.83	128	218	0.099 ppb		69
76) 1,2,3-Trichlorobenzene	0.00		0		N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS13\11-18-22\
Data File : 111846.D
Acq On : 19 Nov 2022 01:29 am
Operator : LM
Sample : 211237-02 1/0.25
Misc : soil
ALS Vial : 39 Sample Multiplier: 1
InstName : GCMS13

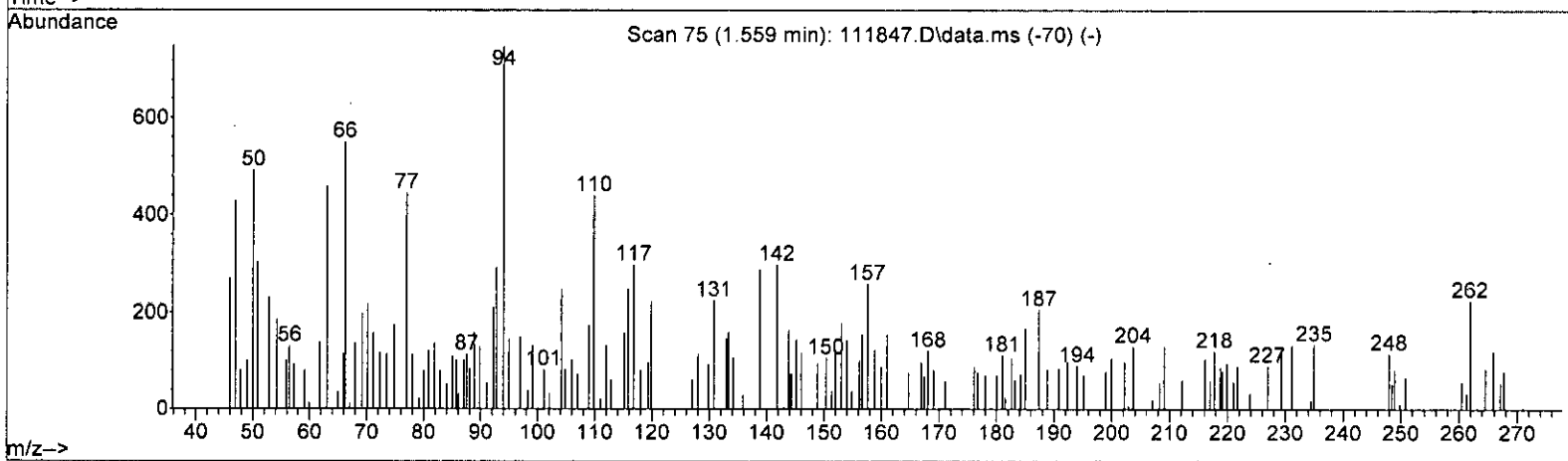
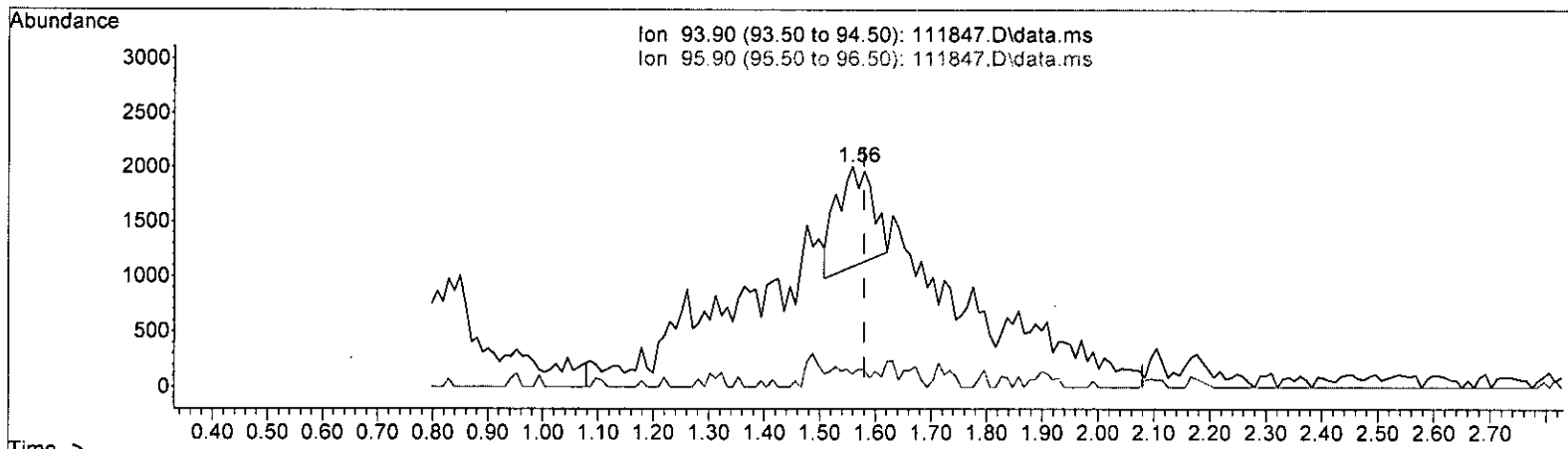
Quant Time: Nov 21 09:46:47 2022
Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
QLast Update : Mon Nov 07 15:16:10 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M



Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111847.D
 Acq On : 19 Nov 2022 01:52 am
 Operator : LM
 Sample : 211237-03 1/0.25
 Misc : soil
 ALS Vial : 40 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:46:51 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



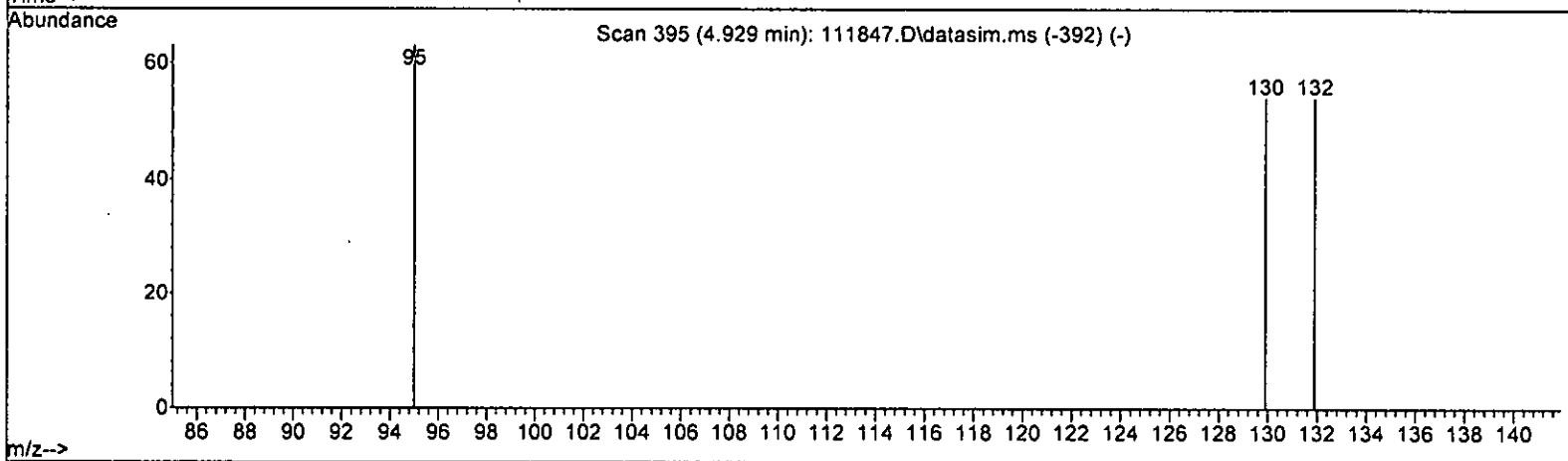
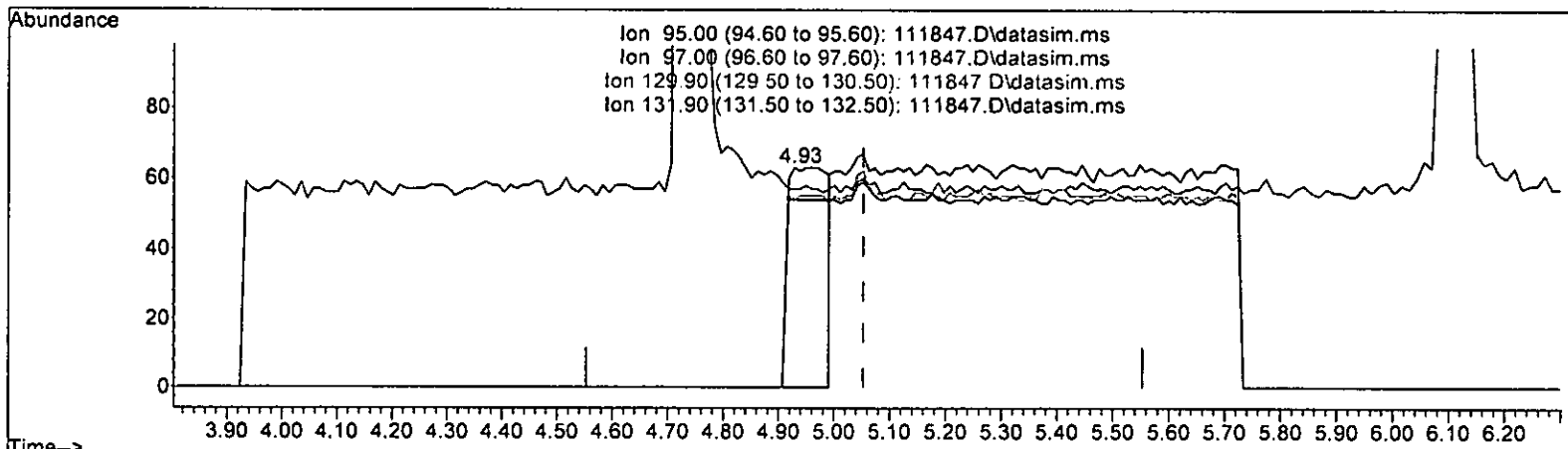
TIC: 111847.D\data.ms

(7) Bromomethane (TMP)		
response	Exp%	Act%
1.559min (-0.021) 0.848 ppb		
4057		
Ion	Exp%	Act%
93.90	100.00	100.00
95.90	93.50	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111847.D
 Acq On : 19 Nov 2022 01:52 am
 Operator : LM
 Sample : 211237-03 1/0.25
 Misc : soil
 ALS Vial : 40 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:46:51 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 111847.D\data.ms

(32) Trichloroethene (TMP)

4.929min (-0.124) 0.077 ppb

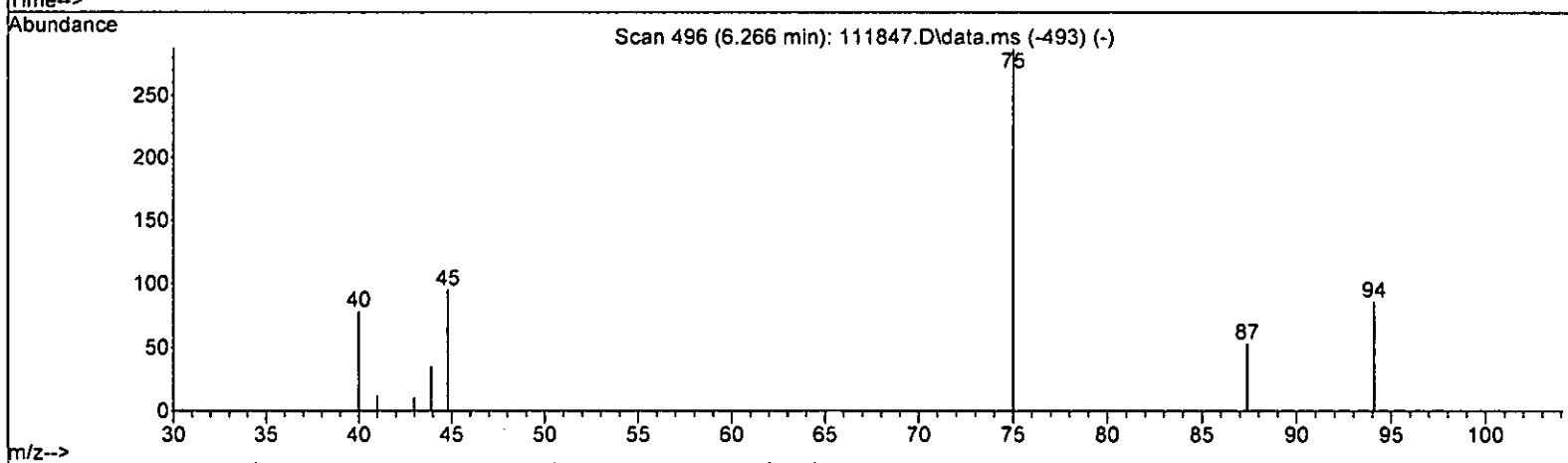
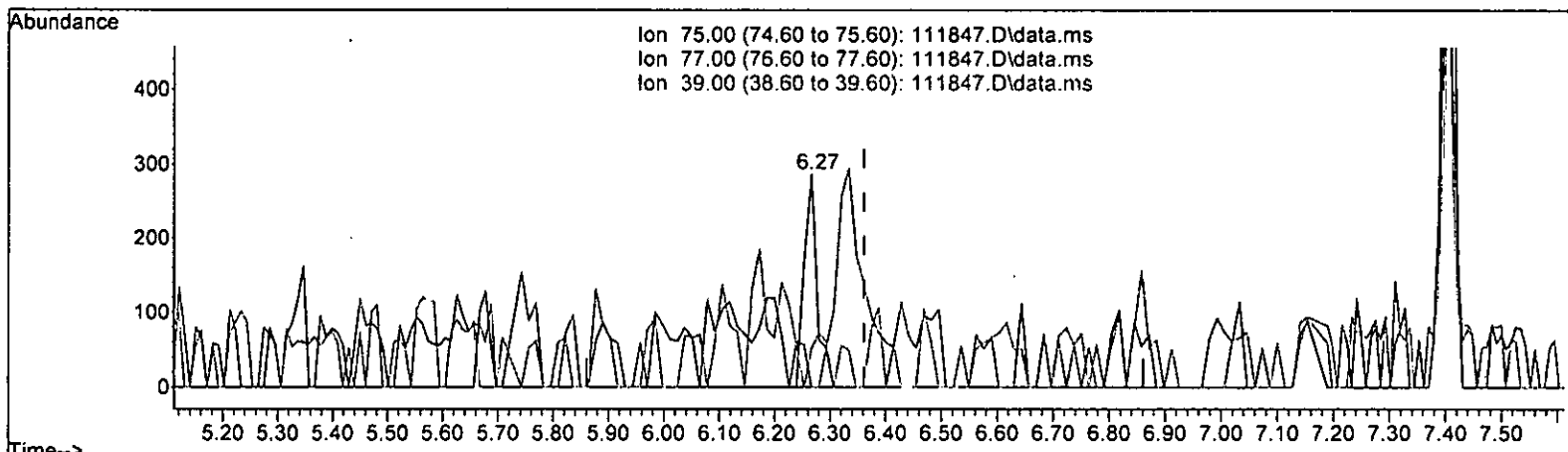
response 313

Ion	Exp%	Act%
95.00	100.00	100.00
97.00	64.60	0.00#
129.90	103.40	85.71
131.90	95.80	85.71

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111847.D
 Acq On : 19 Nov 2022 01:52 am
 Operator : LM
 Sample : 211237-03 1/0.25
 Misc : soil
 ALS Vial : 40 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:46:51 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 111847.D\data.ms

(41) trans-1,3-Dichloropropene (TMP)
 6.266min (-0.095) 0.154 ppb
 response 463

Ion	Exp%	Act%
75.00	100.00	100.00
77.00	.32.60	0.00#
39.00	46.30	0.00#
0.00	0.00	0.00

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111847.D
 Acq On : 19 Nov 2022 01:52 am
 Operator : LM
 Sample : 211237-03 1/0.25
 Misc : soil
 ALS Vial : 40 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:46:51 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

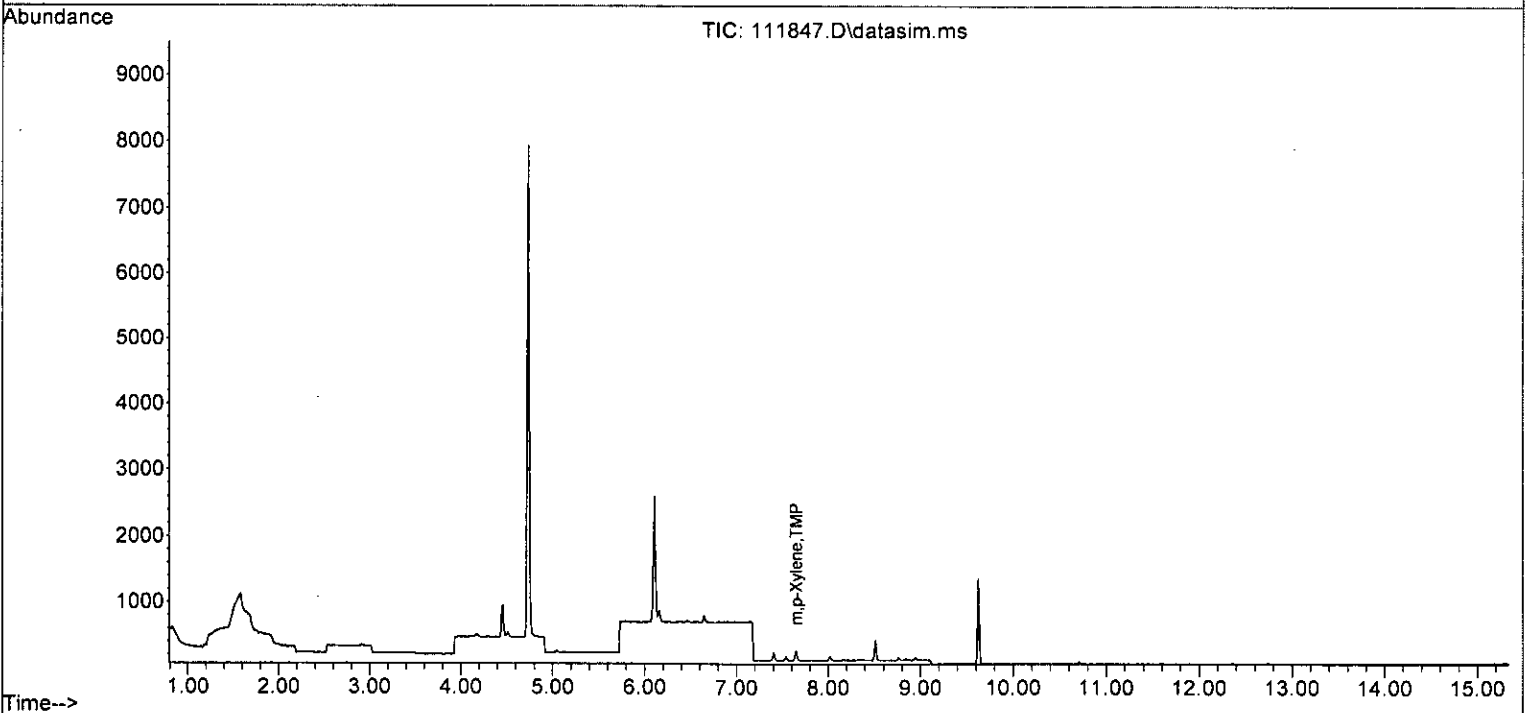
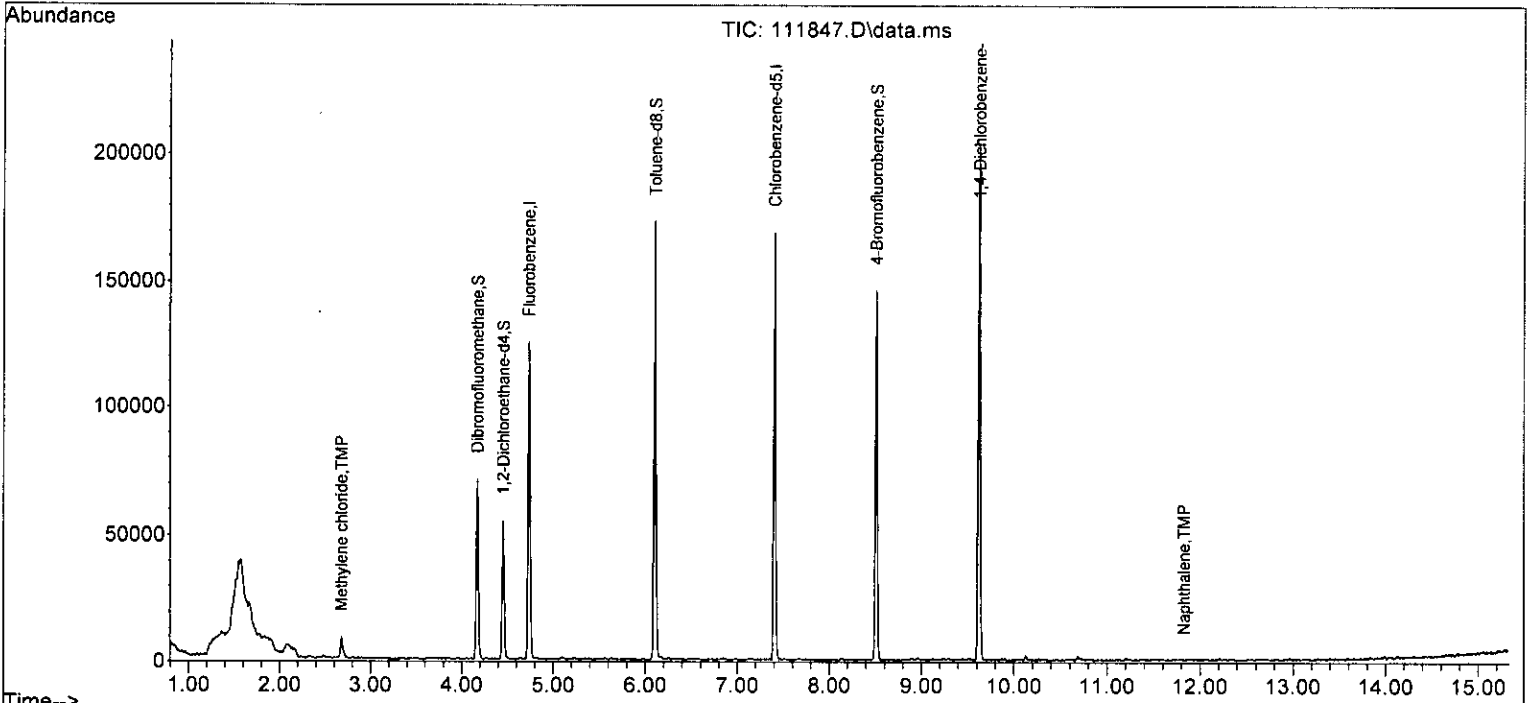
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

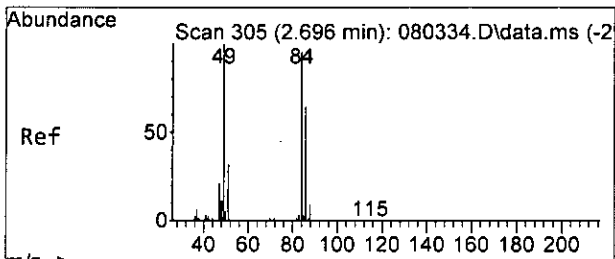
Internal Standards						
1) Fluorobenzene	4.73	96	110698	10.000	ppb	-0.01
39) Chlorobenzene-d5	7.40	117	88861	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	51740	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.17	113	32453	9.142	ppb	0.00
Spiked Amount	10.000	Range	50 - 150	Recovery	=	91.40%
30) 1,2-Dichloroethane-d4	4.45	102	6109	8.880	ppb	0.00
Spiked Amount	10.000	Range	84 - 120	Recovery	=	88.80%
35) Toluene-d8	6.11	98	95576	9.053	ppb	0.00
Spiked Amount	10.000	Range	73 - 128	Recovery	=	90.50%
57) 4-Bromofluorobenzene	8.51	95	34982	9.812	ppb	0.00
Spiked Amount	10.000	Range	57 - 146	Recovery	=	98.10%
Target Compounds						
11) Acetone	2.33	58	129	Below Cal	#	1
14) Methylene chloride	2.68	84	4059	0.161	ppb	92
26] 1,2-Dichloroethane (EDC)	4.52	62	72	Below Cal		99
40] Toluene	6.16	92	87	Below Cal		90
45] Tetrachloroethene	6.65	164	38	Below Cal		91
51] m,p-Xylene	7.65	106	82	0.015	ppb	# 70
75) Naphthalene	11.83	128	192	0.098	ppb	69

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111847.D
 Acq On : 19 Nov 2022 01:52 am
 Operator : LM
 Sample : 211237-03 1/0.25
 Misc : soil
 ALS Vial : 40 Sample Multiplier: 1
 InstName : GCMS13

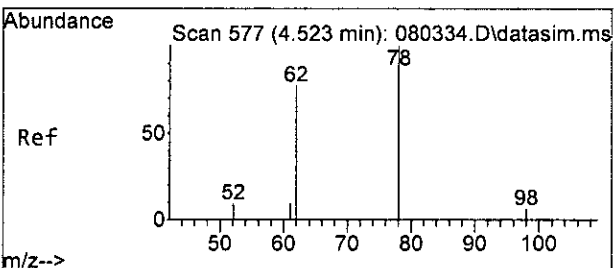
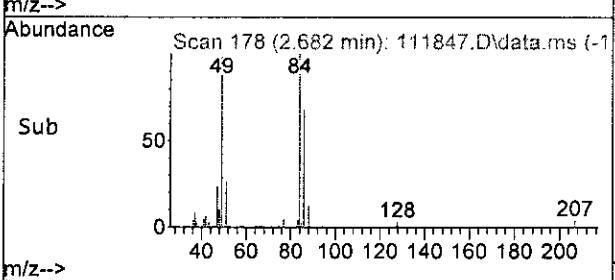
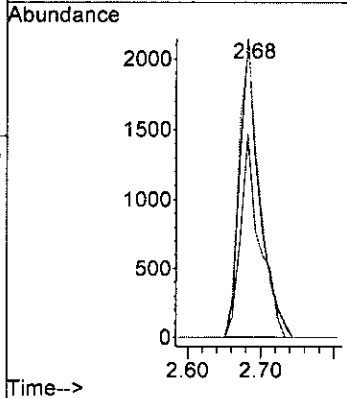
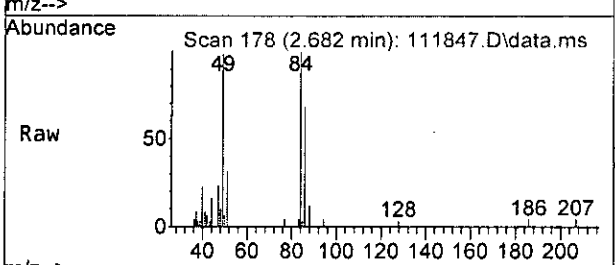
Quant Time: Nov 21 09:46:51 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M





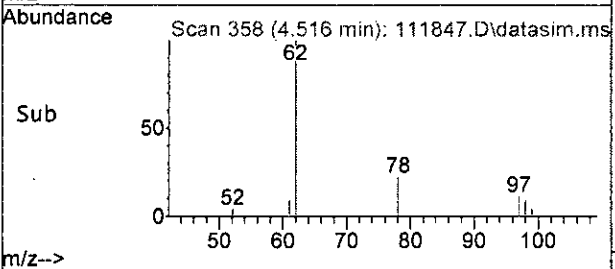
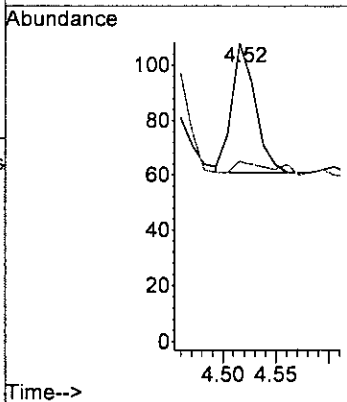
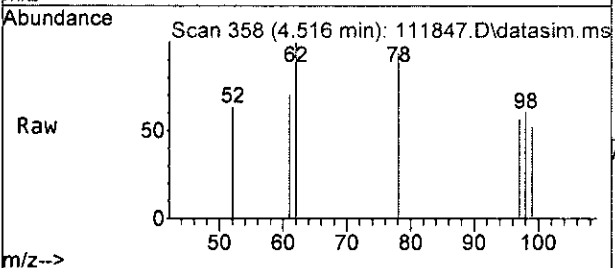
#14
 Methylene chloride
 Concen: 0.161 ppb
 RT: 2.68 min Scan# 178
 Delta R.T. -0.000 min
 Lab File: 111847.D
 Acq: 19 Nov 2022 01:52 am

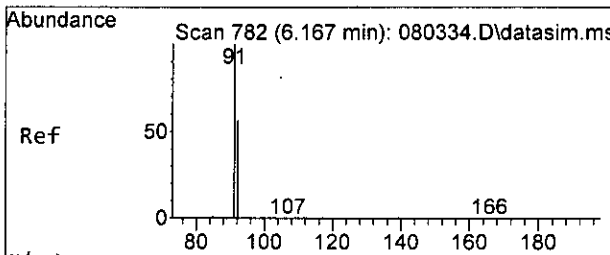
Tgt Ion	Resp	Lower	Upper
84	100		
86	68.5	37.1	97.1
49	98.2	81.3	141.3



#26
 1,2-Dichloroethane (EDC)
 Concen: Below Cal
 RT: 4.52 min Scan# 358
 Delta R.T. -0.011 min
 Lab File: 111847.D
 Acq: 19 Nov 2022 01:52 am

Tgt Ion	Resp	Lower	Upper
62	100		
98	10.6	0.0	40.1

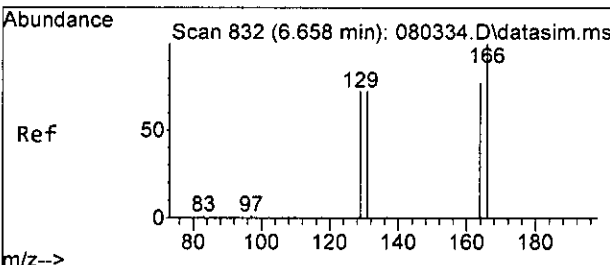
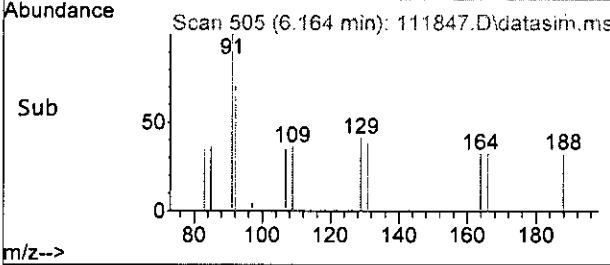
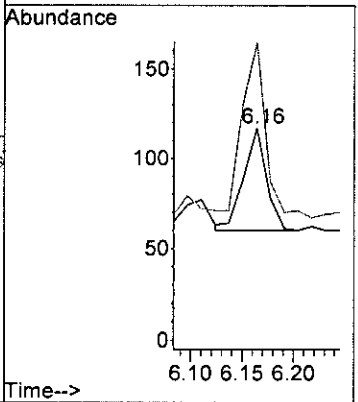
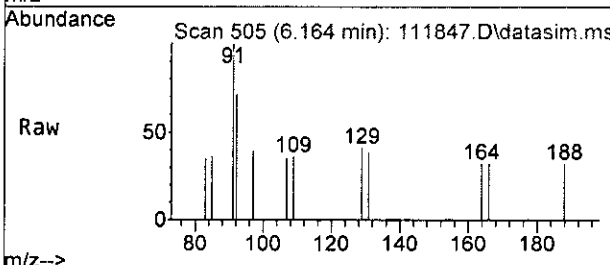




#40
 Toluene
 Concen: Below Cal
 RT: 6.16 min Scan# 505
 Delta R.T. -0.000 min
 Lab File: 111847.D
 Acq: 19 Nov 2022 01:52 am

Tgt Ion: 92 Resp: 87

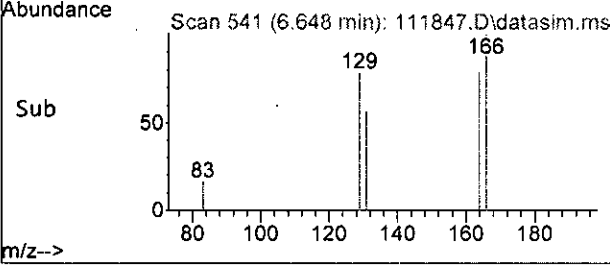
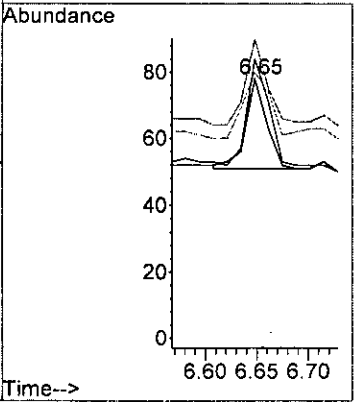
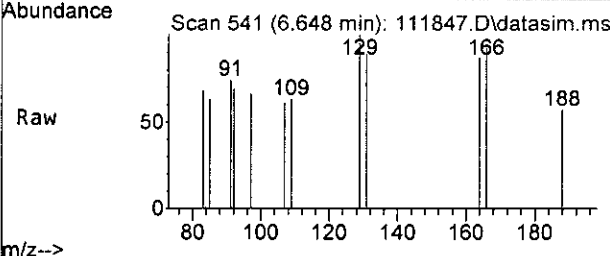
Ion	Ratio	Lower	Upper
92	100		
91	164.9	148.5	208.5

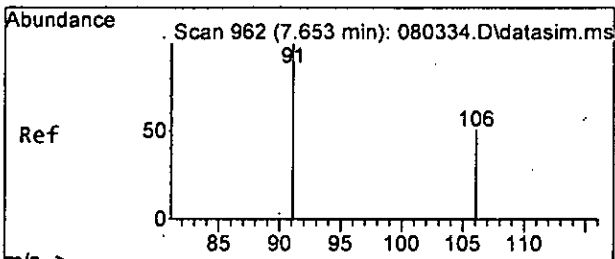


#45
 Tetrachloroethene
 Concen: Below Cal
 RT: 6.65 min Scan# 541
 Delta R.T. -0.000 min
 Lab File: 111847.D
 Acq: 19 Nov 2022 01:52 am

Tgt Ion: 164 Resp: 38

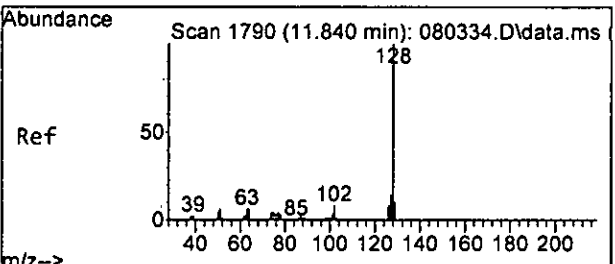
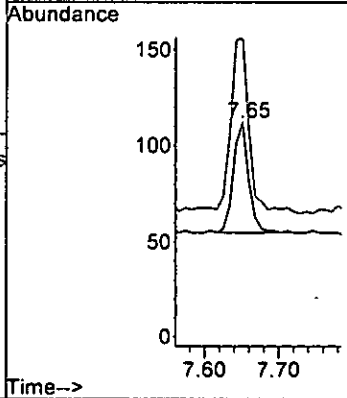
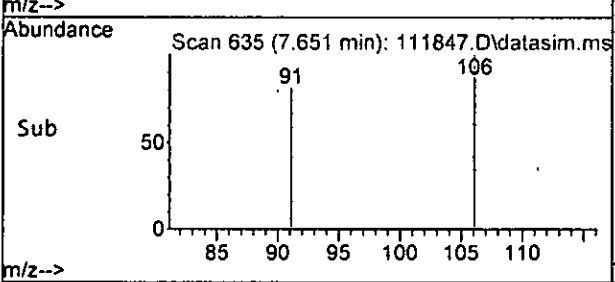
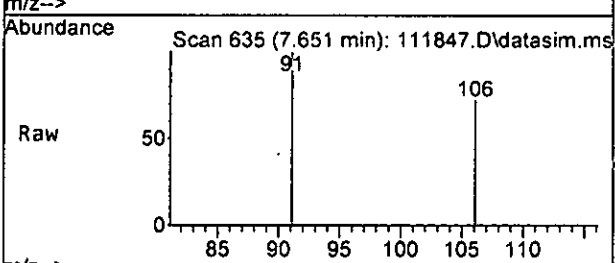
Ion	Ratio	Lower	Upper
164	100		
129	96.3	72.1	132.1
131	74.1	64.8	124.8
166	118.5	90.0	150.0





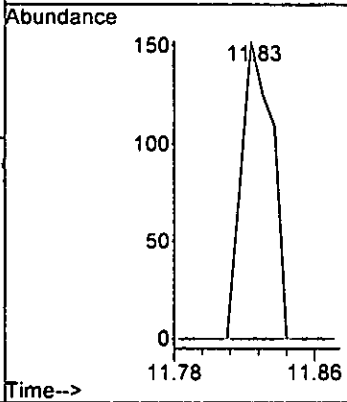
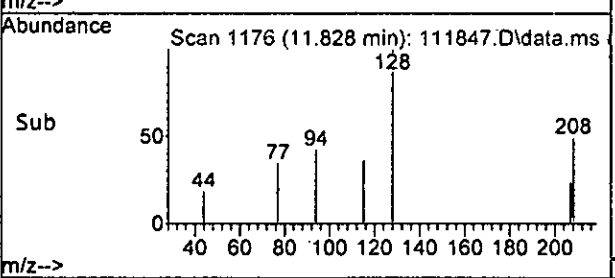
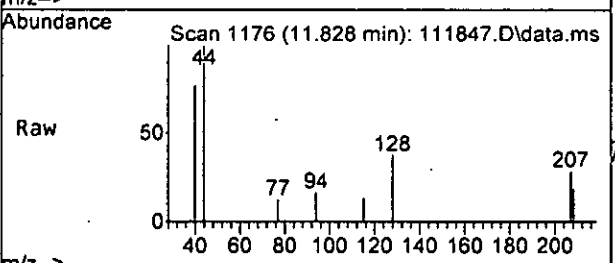
#51
 m,p-Xylene
 Concen: 0.015 ppb
 RT: 7.65 min Scan# 635
 Delta R.T. -0.000 min
 Lab File: 111847.D
 Acq: 19 Nov 2022 01:52 am

Tgt Ion: 106 Resp: 82
 Ion Ratio Lower Upper
 106 100
 91 159.6 175.7 235.7#



#75
 Naphthalene
 Concen: 0.098 ppb
 RT: 11.83 min Scan# 1176
 Delta R.T. -0.007 min
 Lab File: 111847.D
 Acq: 19 Nov 2022 01:52 am

Tgt Ion: 128 Resp: 192
 Ion Ratio Lower Upper
 128 100
 129 0.0 0.0 40.8
 127 0.0 0.0 43.1



Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111847.D
 Acq On : 19 Nov 2022 01:52 am
 Operator : LM
 Sample : 211237-03 1/0.25
 Misc : soil
 ALS Vial : 40 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:46:51 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	4.73	96	110698	10.000	ppb	-0.01	
39) Chlorobenzene-d5	7.40	117	88861	10.000	ppb	0.00	
56) 1,4-Dichlorobenzene-d4	9.62	152	51740	10.000	ppb	0.00	
System Monitoring Compounds							
3) Dibromofluoromethane	4.17	113	32453	9.142	ppb	0.00	
Spiked Amount	10.000	Range	50 - 150	Recovery	=	91.40%	
30) 1,2-Dichloroethane-d4	4.45	102	6109	8.880	ppb	0.00	
Spiked Amount	10.000	Range	84 - 120	Recovery	=	88.80%	
35) Toluene-d8	6.11	98	95576	9.053	ppb	0.00	
Spiked Amount	10.000	Range	73 - 128	Recovery	=	90.50%	
57) 4-Bromofluorobenzene	8.51	95	34982	9.812	ppb	0.00	
Spiked Amount	10.000	Range	57 - 146	Recovery	=	98.10%	
Target Compounds							
							Qvalue
2) Ethanol	2.30	45	127	No Calib			
4) Dichlorodifluoromethane	0.00		0	N.D.			
5) Chloromethane	1.26	50	402	N.D.			
6) Vinyl chloride	0.00		0	N.D.			
7) Bromomethane	0.00		0	N.D. d			
8) Chloroethane	0.00		0	N.D.			
9) Trichlorofluoromethane	1.79	101	58	N.D.			
10) 2-Propanol	2.30	45	127	No Calib	#		
11) Acetone	2.33	58	129	Below Cal	#	1	
12) 1,1-Dichloroethene	0.00		0	N.D.			
13) Hexane	3.15	57	32	N.D.			
14) Methylene chloride	2.68	84	4059	0.161	ppb	92	
15) t-Butyl alcohol (TBA)	0.00		0	N.D.			
16) Methyl t-butyl ether (...)	0.00		0	N.D.			
17) trans-1,2-Dichloroethene	0.00		0	N.D.			
18) Diisopropyl ether (DIPE)	0.00		0	N.D.			
19) 1,1-Dichloroethane	0.00		0	N.D.			
20) Ethyl t-butyl ether (E...)	0.00		0	N.D.			
21) 2,2-Dichloropropane	3.77	77	111	N.D.			
22) cis-1,2-Dichloroethene	0.00		0	N.D.			
23) Chloroform	0.00		0	N.D.			
24) 2-Butanone (MEK)	3.81	43	464	N.D.			
25) t-Amyl methyl ether (T...)	0.00		0	N.D.			
26] 1,2-Dichloroethane (EDC)	4.52	62	72	Below Cal		99	
27) 1,1,1-Trichloroethane	0.00		0	N.D.			
28) 1,1-Dichloropropene	0.00		0	N.D.			
29) Carbon tetrachloride	0.00		0	N.D.			
31) Benzene	0.00		0	N.D.			
32) Trichloroethene	0.00		0	N.D. d			
33) 1,2-Dichloropropane	0.00		0	N.D.			
34) Bromodichloromethane	0.00		0	N.D.			
36) Dibromomethane	0.00		0	N.D.			

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111847.D
 Acq On : 19 Nov 2022 01:52 am
 Operator : LM
 Sample : 211237-03 1/0.25
 Misc : soil
 ALS Vial : 40 Sample Multiplier: 1
 InstName : GCMS13

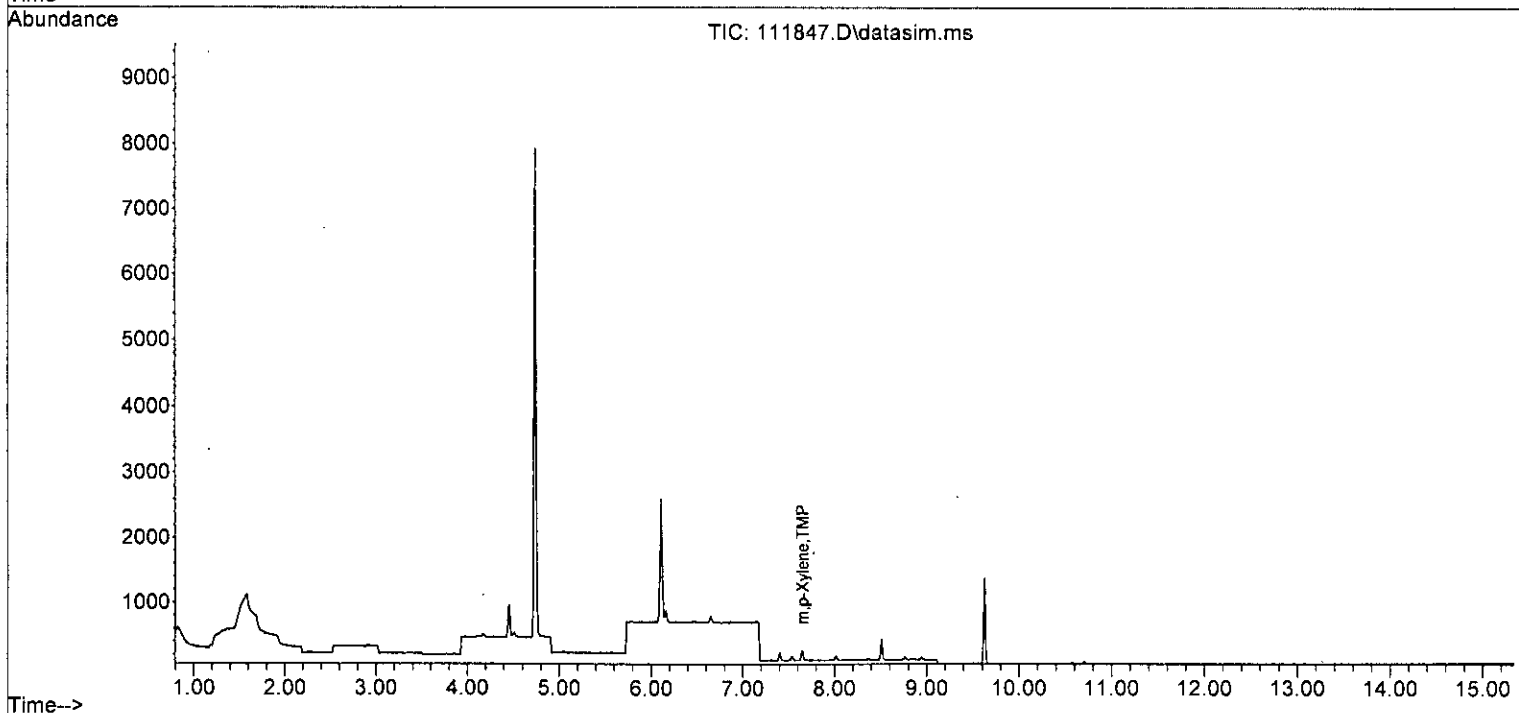
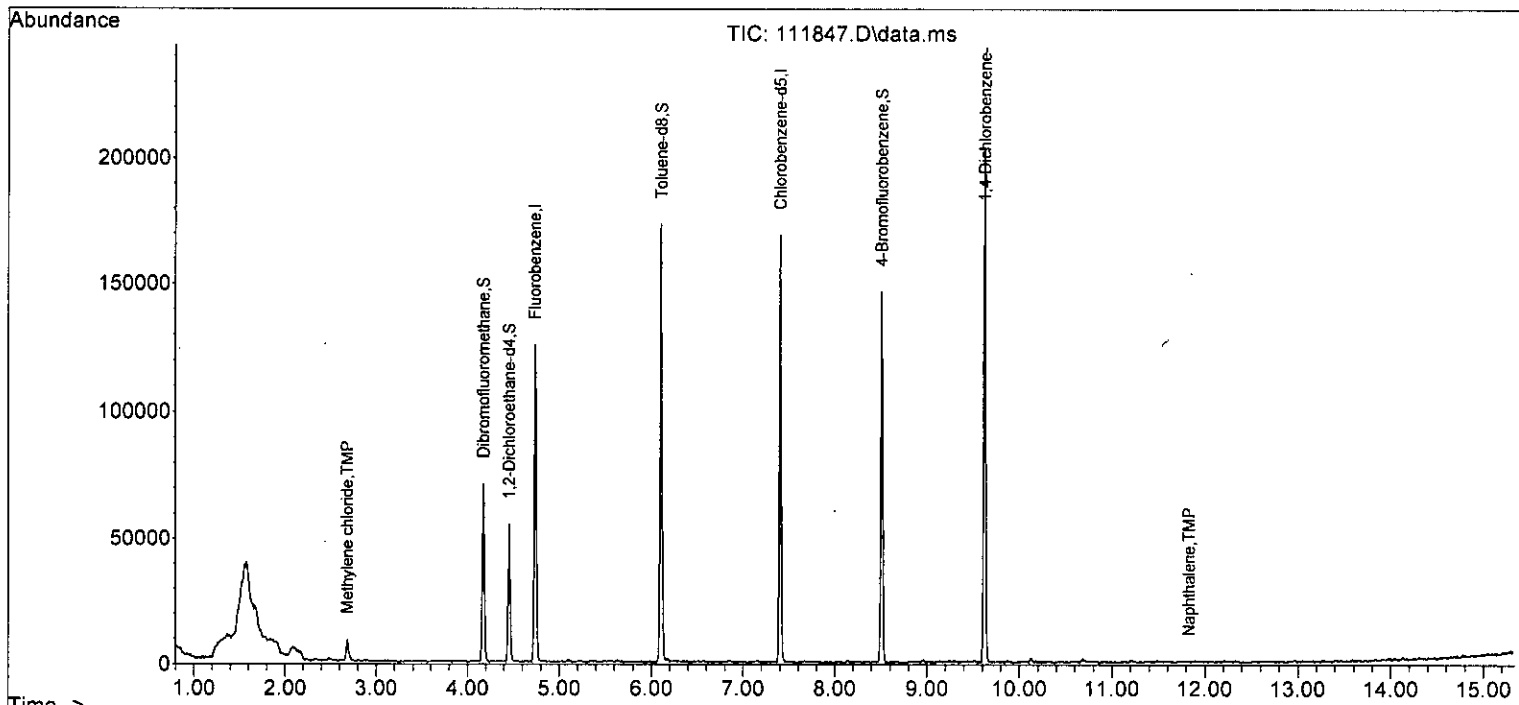
Quant Time: Nov 21 09:46:51 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.00		0		N.D.	
38) cis-1,3-Dichloropropene	0.00		0		N.D.	
40] Toluene	6.16	92	87	Below Cal		90
41) trans-1,3-Dichloropropene	0.00		0		N.D. d	
42) 1,1,2-Trichloroethane	0.00		0		N.D.	
43) 2-Hexanone	6.79	43	120		N.D.	
44) 1,3-Dichloropropane	0.00		0		N.D.	
45] Tetrachloroethene	6.65	164	38	Below Cal		91
46) Dibromochloromethane	0.00		0		N.D.	
47) 1,2-Dibromoethane (EDB)	0.00		0		N.D.	
48) Chlorobenzene	0.00		0		N.D.	
49) Ethylbenzene	7.54	91	66		N.D.	
50) 1,1,1,2-Tetrachloroethane	0.00		0		N.D.	
51] m,p-Xylene	7.65	106	82	0.015 ppb #		70
52) o-Xylene	8.02	106	31		N.D.	
53) Styrene	8.03	104	43		N.D.	
54) Isopropylbenzene	8.37	105	71		N.D.	
55) Bromoform	0.00		0		N.D.	
58) n-Propylbenzene	8.90	91	57		N.D.	
59) Bromobenzene	0.00		0		N.D.	
60) 1,3,5-Trimethylbenzene	8.87	105	27		N.D.	
61) 1,1,2,2-Tetrachloroethane	0.00		0		N.D.	
62) 1,2,3-Trichloropropane	8.89	75	27		N.D.	
63) 2-Chlorotoluene	8.90	91	57		N.D.	
64) 4-Chlorotoluene	8.94	91	33		N.D.	
65) tert-Butylbenzene	0.00		0		N.D.	
66) 1,2,4-Trimethylbenzene	9.30	105	244		N.D.	
67) sec-Butylbenzene	9.30	105	244		N.D.	
68) p-Isopropyltoluene	9.61	119	146		N.D.	
69) 1,3-Dichlorobenzene	0.00		0		N.D.	
70) 1,4-Dichlorobenzene	0.00		0		N.D.	
71) 1,2-Dichlorobenzene	0.00		0		N.D.	
72) 1,2-Dibromo-3-chloropr...	0.00		0		N.D.	
73) 1,2,4-Trichlorobenzene	0.00		0		N.D.	
74) Hexachlorobutadiene	0.00		0		N.D.	
75) Naphthalene	11.83	128	192	0.098 ppb		69
76) 1,2,3-Trichlorobenzene	0.00		0		N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS13\11-18-22\
Data File : 111847.D
Acq On : 19 Nov 2022 01:52 am
Operator : LM
Sample : 211237-03 1/0.25
Misc : soil
ALS Vial : 40 Sample Multiplier: 1
InstName : GCMS13

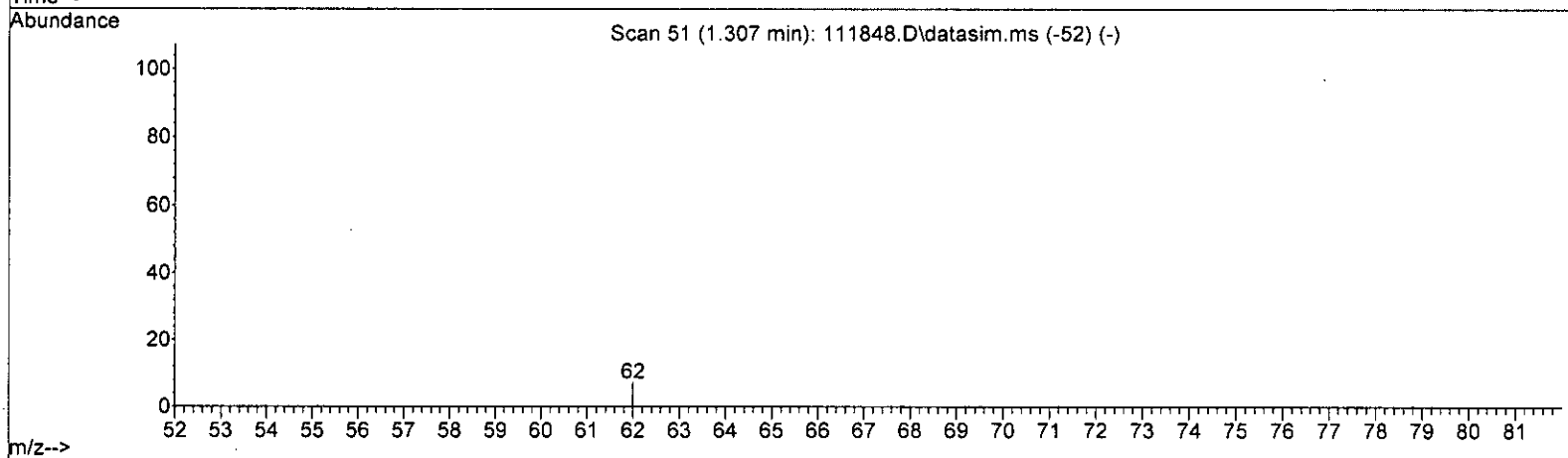
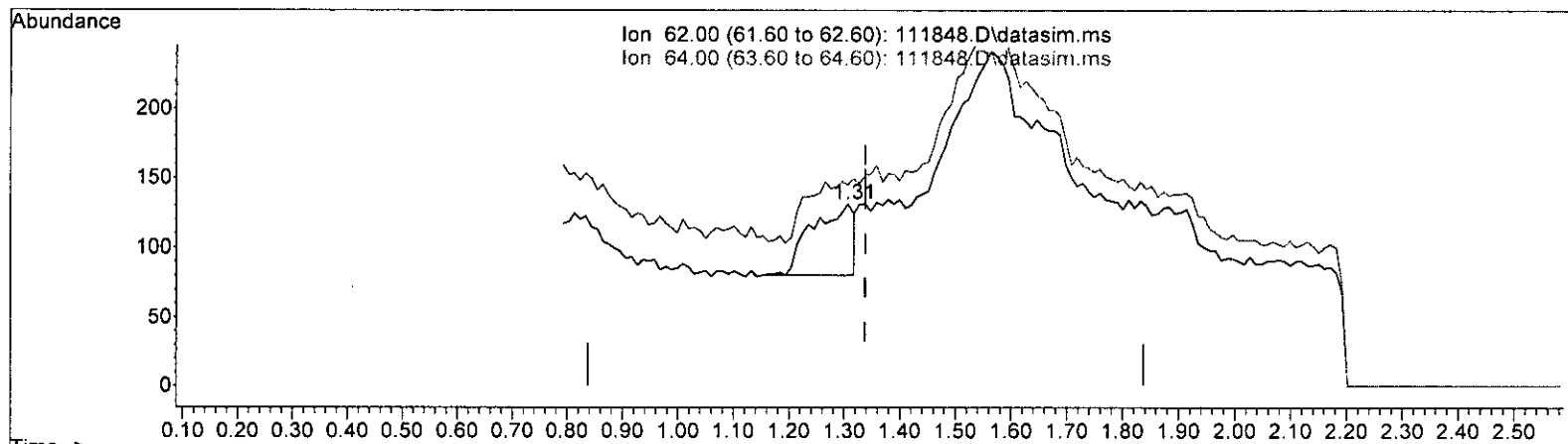
Quant Time: Nov 21 09:46:51 2022
Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
QLast Update : Mon Nov 07 15:16:10 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M



Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111848.D
 Acq On : 19 Nov 2022 02:15 am
 Operator : LM
 Sample : 211237-04 1/0.25
 Misc : soil
 ALS Vial : 41 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:46:55 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 111848.D\data.ms

(6) Vinyl chloride (TMP)

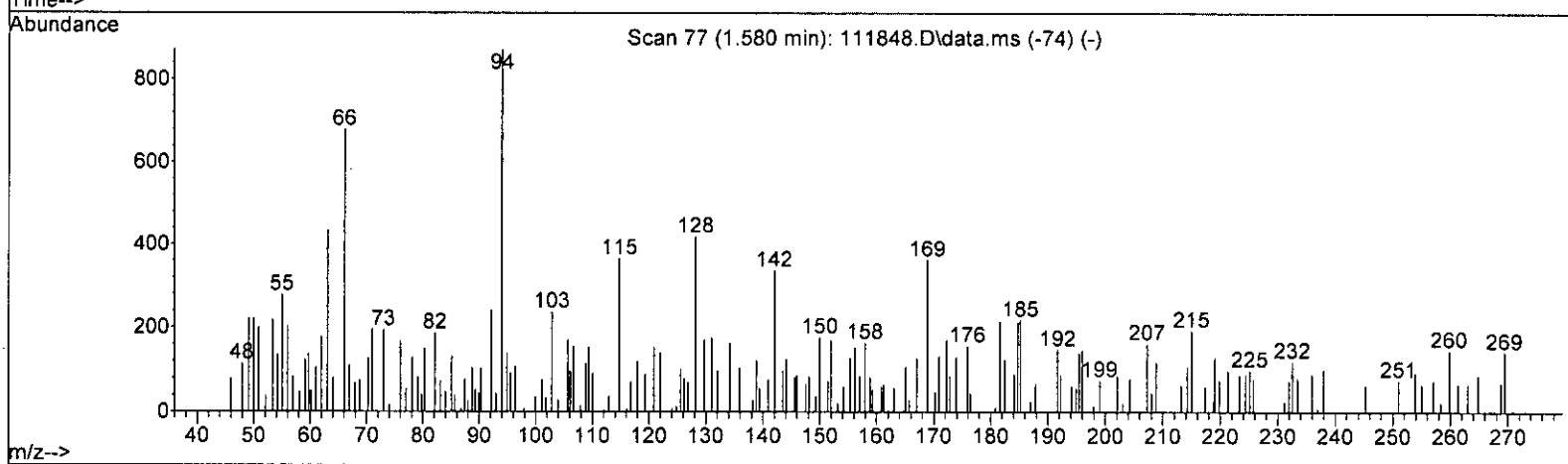
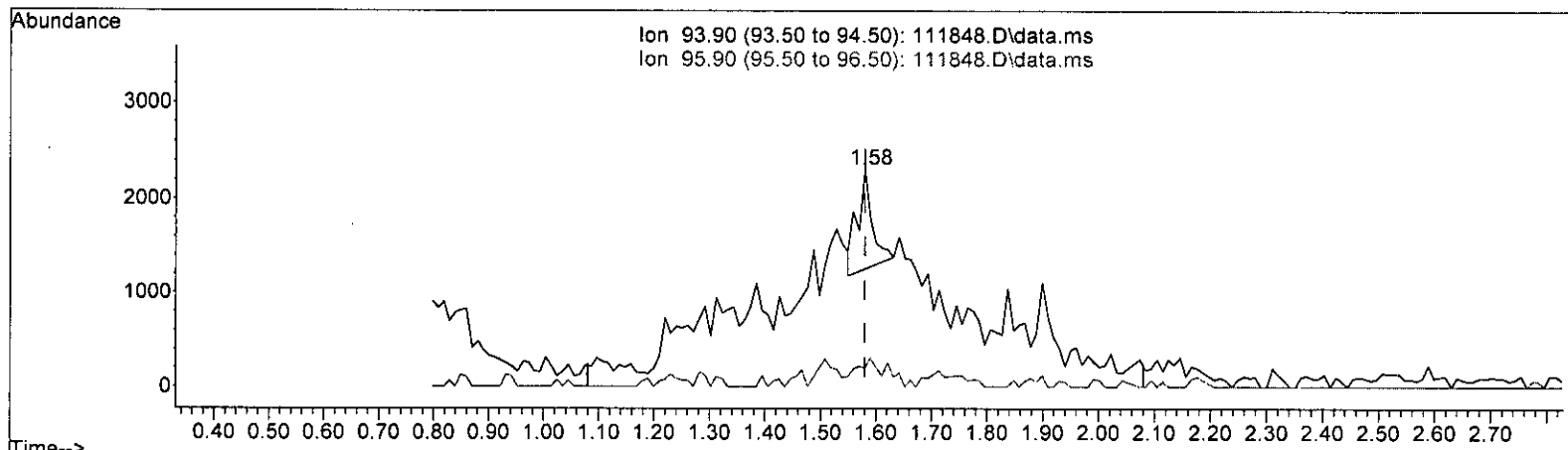
1.307min (-0.031) 0.050 ppb

response	264	
Ion	Exp%	Act%
62.00	100.00	100.00
64.00	34.40	72.55#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111848.D
 Acq On : 19 Nov 2022 02:15 am
 Operator : LM
 Sample : 211237-04 1/0.25
 Misc : soil
 ALS Vial : 41 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:46:55 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 111848.D\data.ms

(7) Bromomethane (TMP)

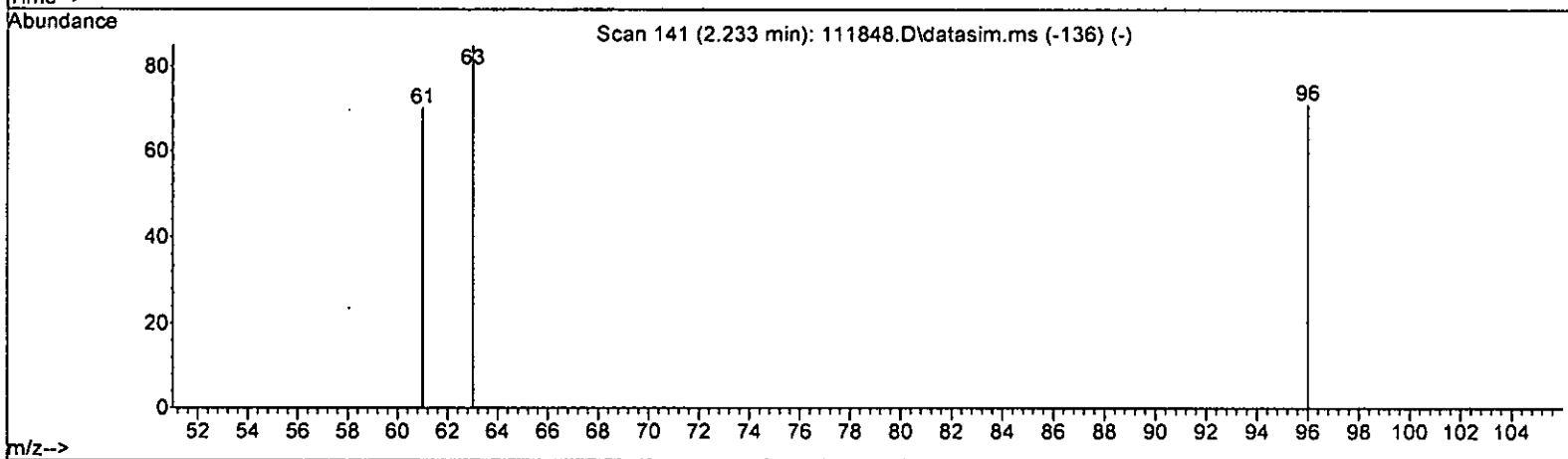
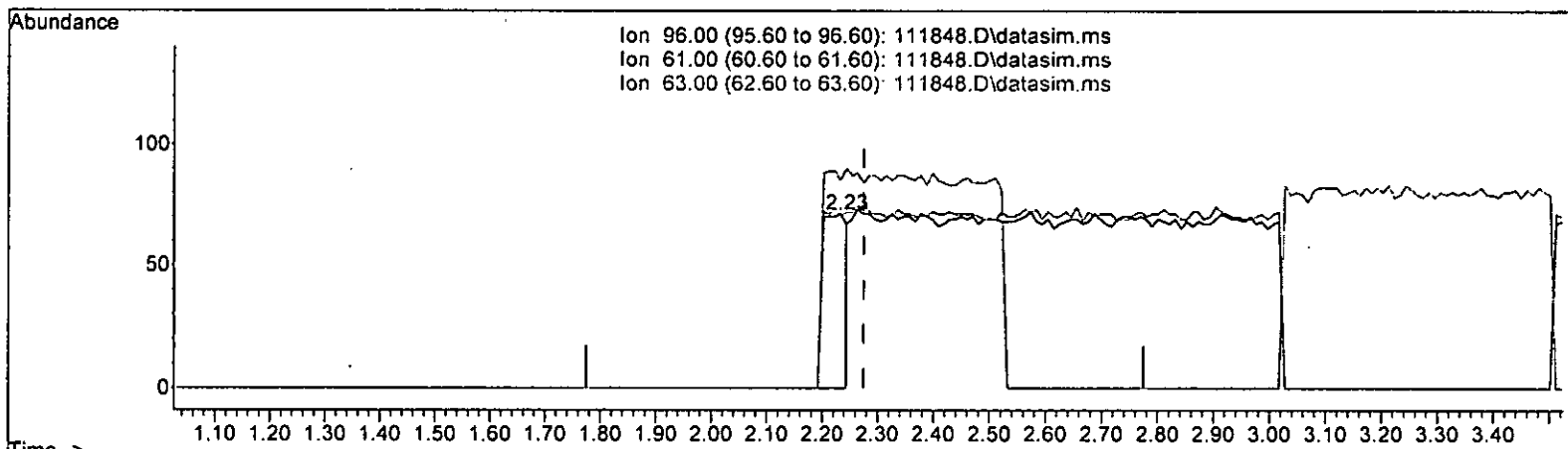
1.580min (-0.000) 0.448 ppb

response	1989
Ion	Exp% Act%
93.90	100.00 100.00
95.90	93.50 9.69#
0.00	0.00 0.00
0.00	0.00 0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111848.D
 Acq On : 19 Nov 2022 02:15 am
 Operator : LM
 Sample : 211237-04 1/0.25
 Misc : soil
 ALS Vial : 41 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:46:55 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth: VM080322.M



TIC: 111848.D\data.ms

(12) 1,1-Dichloroethene (TMP)

2.233min (-0.042) 0.074 ppb

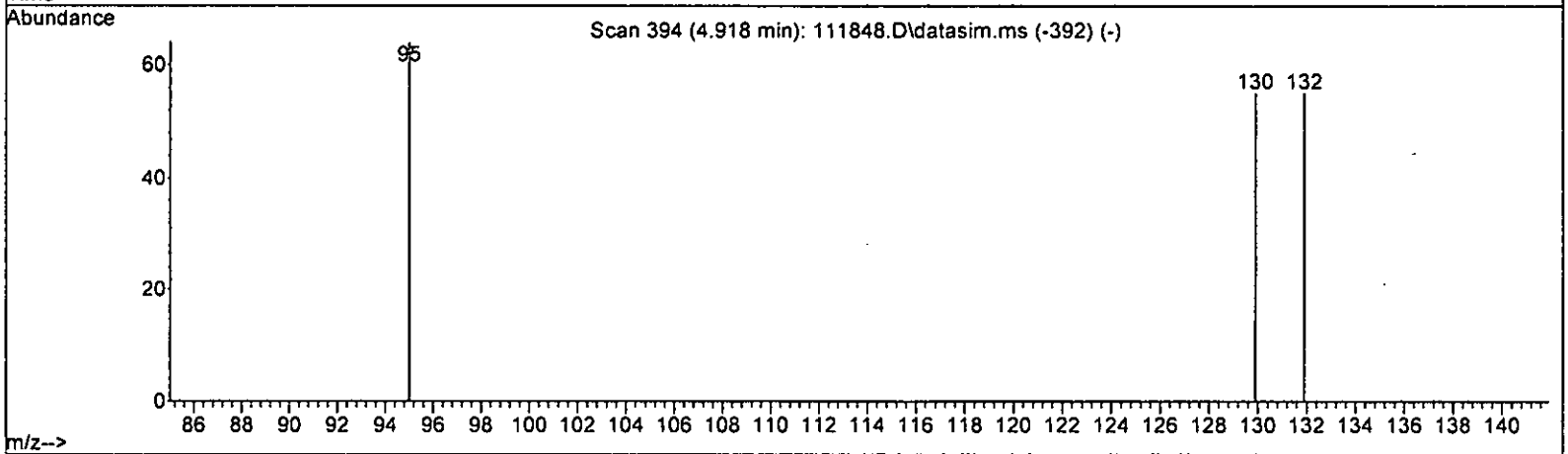
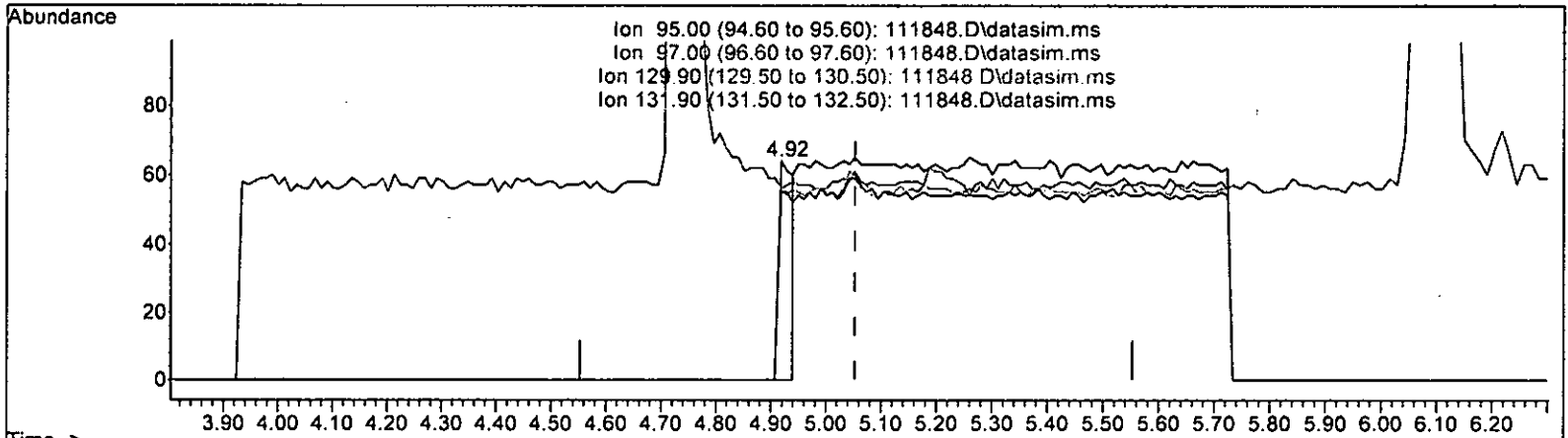
response 215

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	120.90	98.59
63.00	43.90	119.72#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111848.D
 Acq On : 19 Nov 2022 02:15 am
 Operator : LM
 Sample : 211237-04 1/0.25
 Misc : soil
 ALS Vial : 41 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:46:55 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 111848.D\data.ms

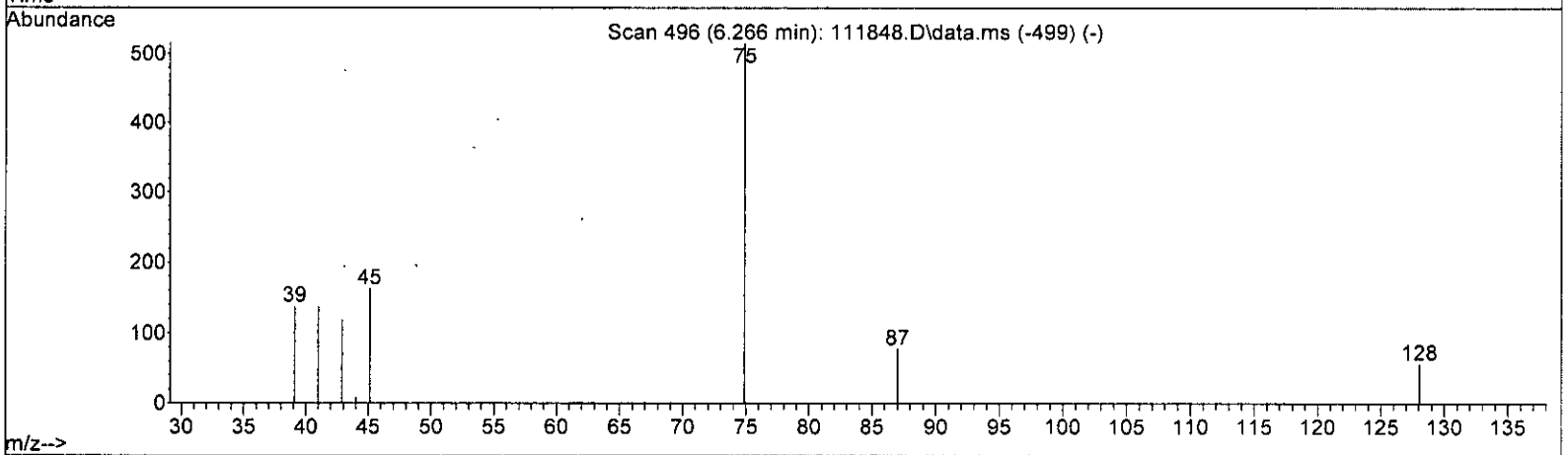
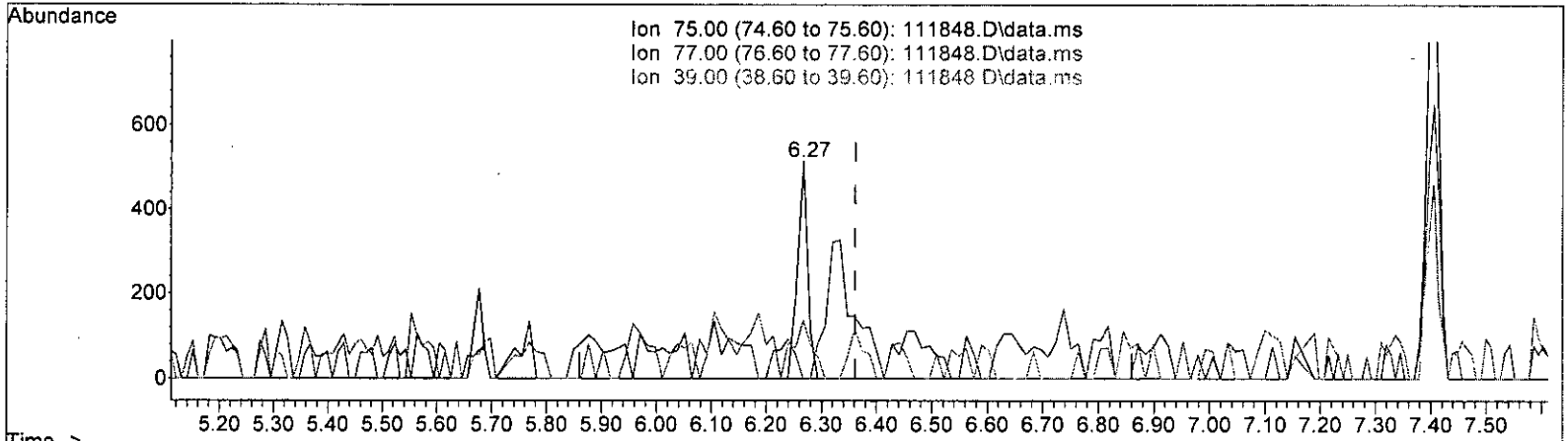
(32) Trichloroethene (TMP)
 4.918min (-0.135) 0.032 ppb

response	119	
Ion	Exp%	Act%
95.00	100.00	100.00
97.00	64.60	0.00#
129.90	103.40	85.94
131.90	95.80	85.94

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111848.D
 Acq On : 19 Nov 2022 02:15 am
 Operator : LM
 Sample : 211237-04 1/0.25
 Misc : soil
 ALS Vial : 41 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:46:55 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 111848.D\data.ms

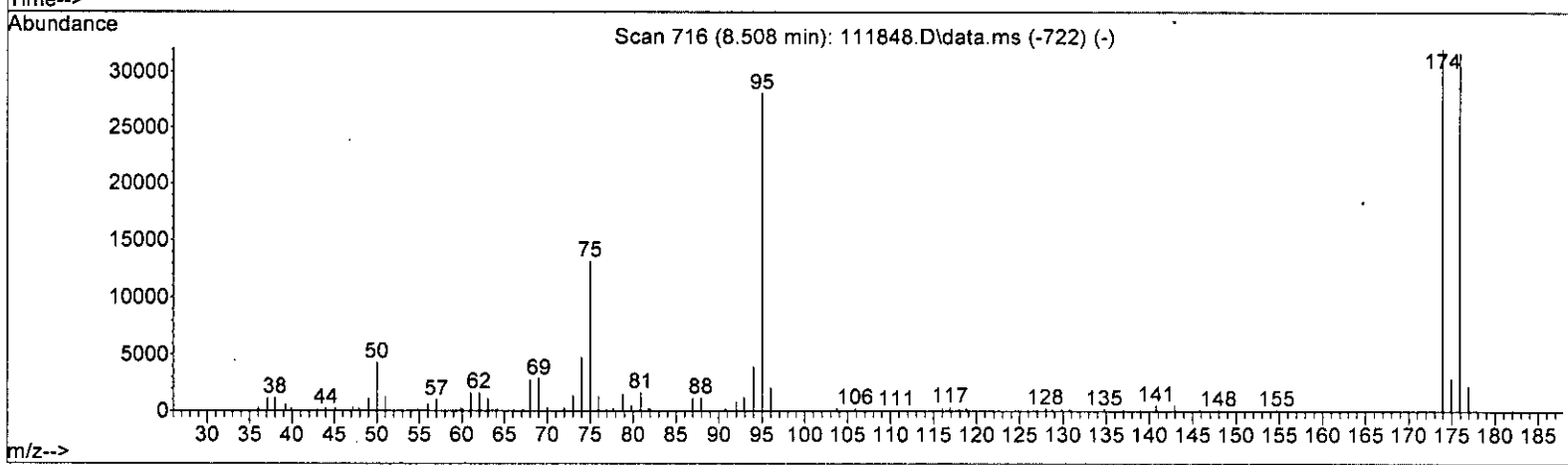
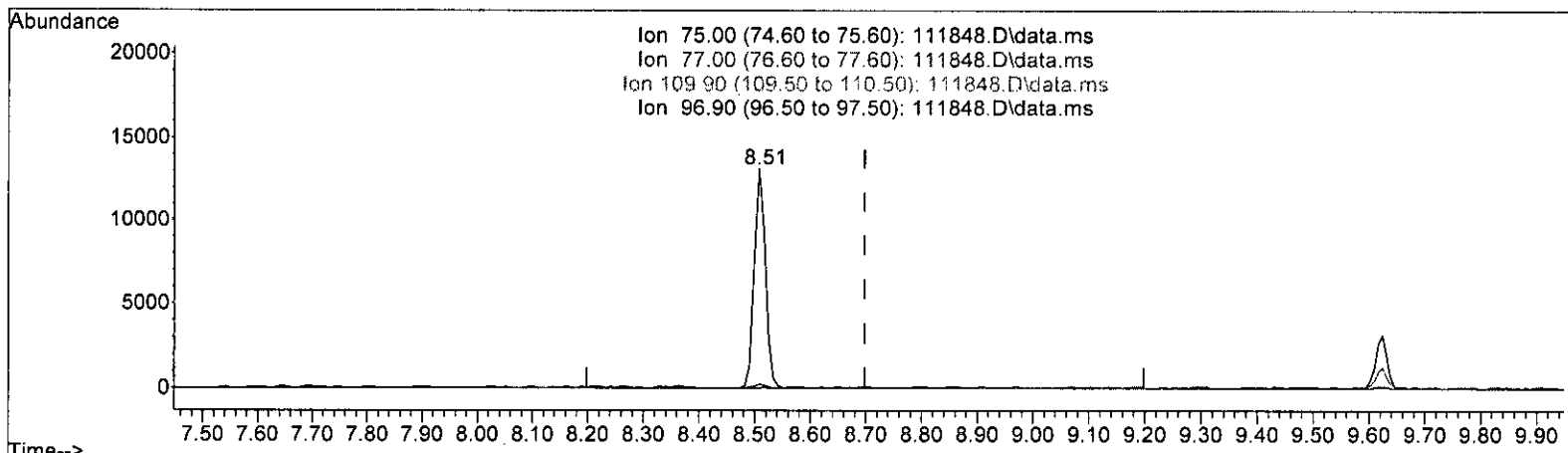
(41) trans-1,3-Dichloropropene (TMP)
 6.266min (-0.095) 0.202 ppb
 response 654

Ion	Exp%	Act%
75.00	100.00	100.00
77.00	32.60	0.00#
39.00	46.30	26.65
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111848.D
 Acq On : 19 Nov 2022 02:15 am
 Operator : LM
 Sample : 211237-04 1/0.25
 Misc : soil
 ALS Vial : 41 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:46:55 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 111848.D\data.ms

Retention Time (min)	Compound Name	Response
8.508	1,2,3-Trichloropropane (TMP)	18141

Retention Time (min)	Abundance	Exp%	Act%
8.508min (-0.190)	6.229 ppb		
75.00	100.00	100.00	100.00
77.00	34.00	34.00	1.50#
109.90	36.50	36.50	0.00#
96.90	22.60	22.60	0.00

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111848.D
 Acq On : 19 Nov 2022 02:15 am
 Operator : LM
 Sample : 211237-04 1/0.25
 Misc : soil
 ALS Vial : 41 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:46:55 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

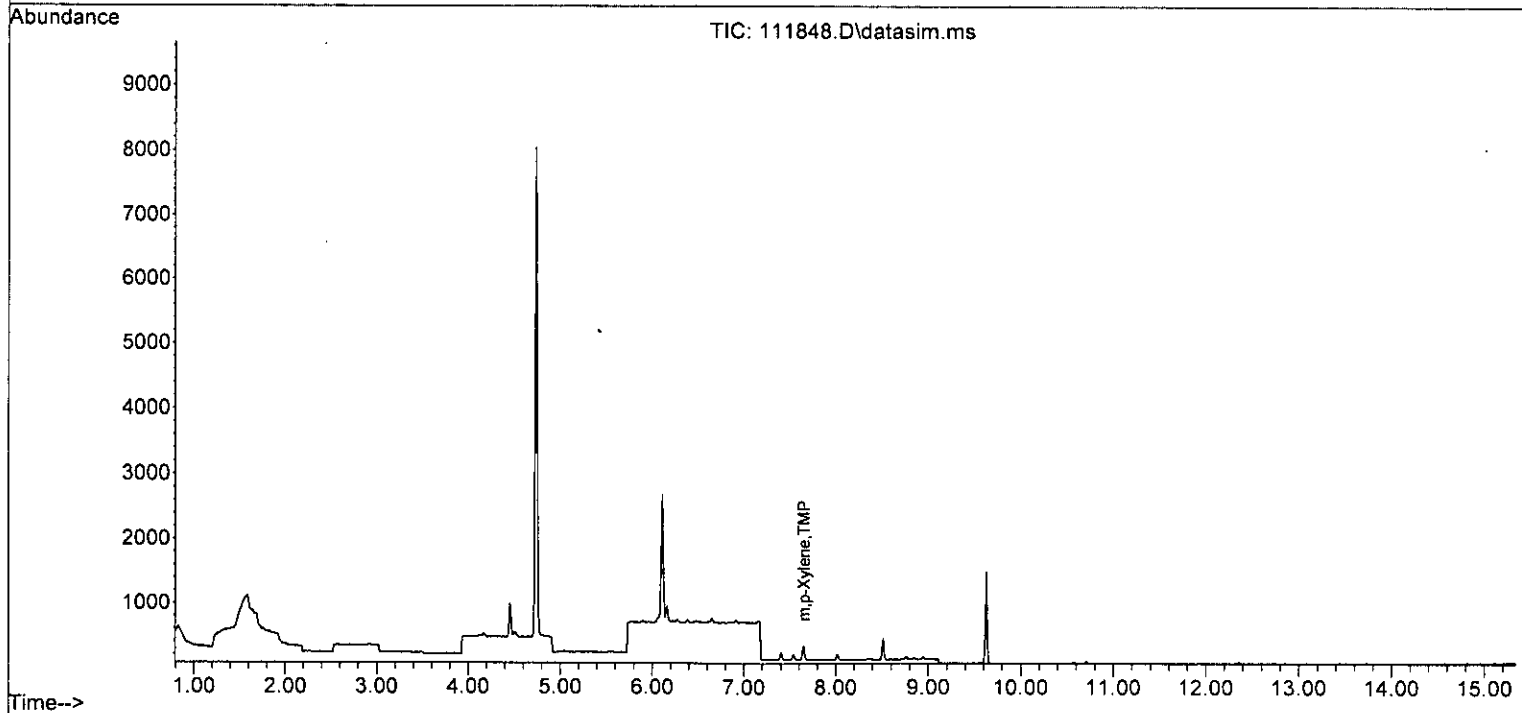
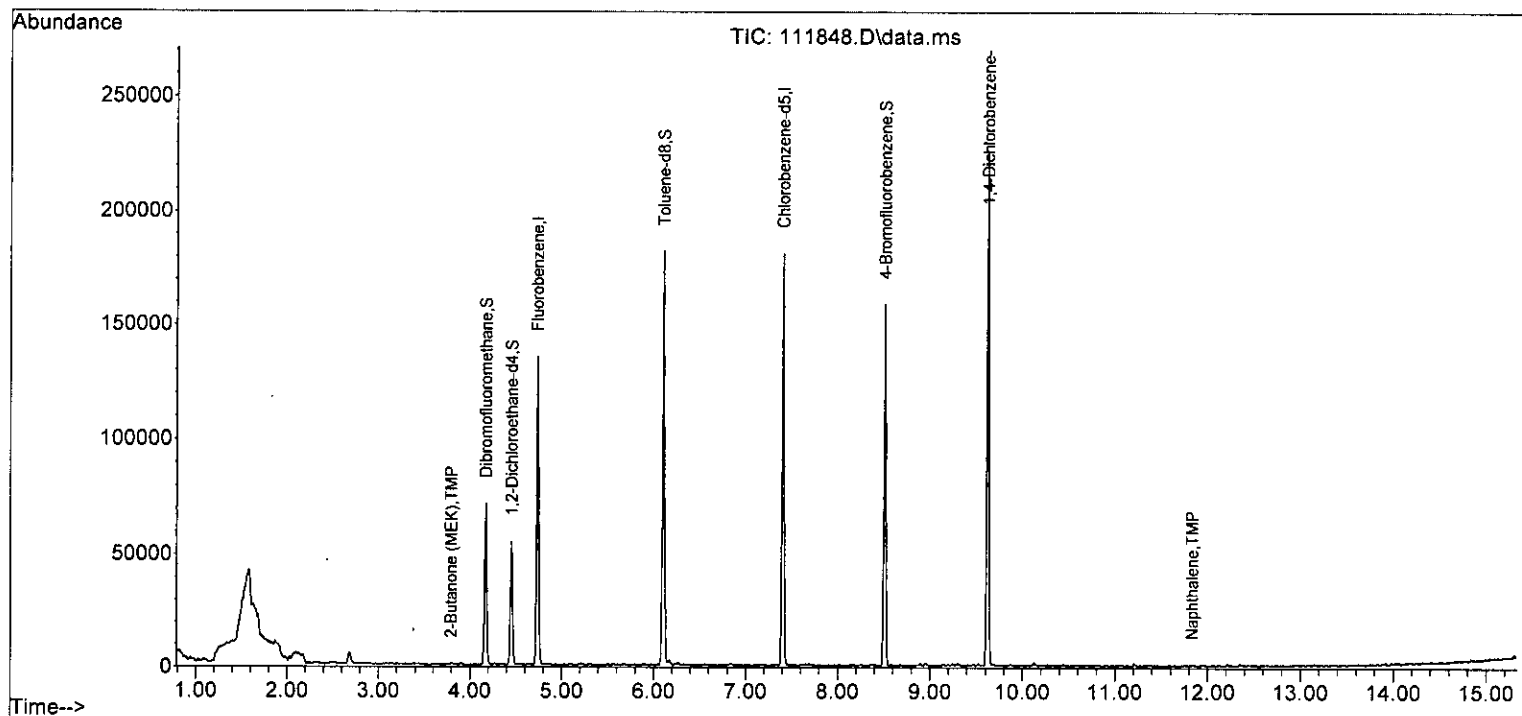
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

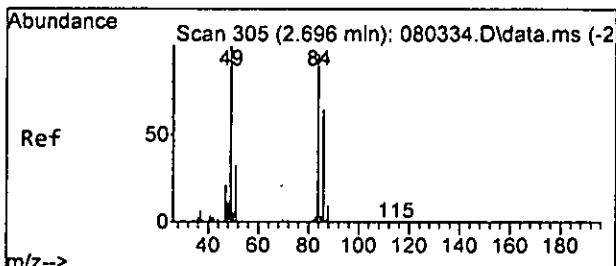
Internal Standards						
1) Fluorobenzene	4.73	96	102670	10.000	ppb	-0.01
39) Chlorobenzene-d5	7.40	117	94925	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	59899	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.17	113	33195	10.082	ppb	0.00
Spiked Amount	10.000	Range	50 - 150	Recovery	=	100.80%
30) 1,2-Dichloroethane-d4	4.45	102	6011	9.421	ppb	0.00
Spiked Amount	10.000	Range	84 - 120	Recovery	=	94.20%
35) Toluene-d8	6.11	98	99483	10.160	ppb	0.00
Spiked Amount	10.000	Range	73 - 128	Recovery	=	101.60%
57) 4-Bromofluorobenzene	8.51	95	38316	9.283	ppb	0.00
Spiked Amount	10.000	Range	57 - 146	Recovery	=	92.80%
Target Compounds						
14) Methylene chloride	2.68	84	2939	Below Cal		Qvalue 97
24) 2-Butanone (MEK)	3.79	43	750	0.327	ppb	55
26] 1,2-Dichloroethane (EDC)	4.52	62	71	Below Cal		87
45] Tetrachloroethene	6.65	164	37	Below Cal		93
46) Dibromochloromethane	6.93	129	57	Below Cal	#	11
51] m,p-Xylene	7.65	106	115	0.020	ppb #	76
75) Naphthalene	11.83	128	106	0.088	ppb	69

(#) = qualifier out of range (m) = manual integration (+) = signals summed

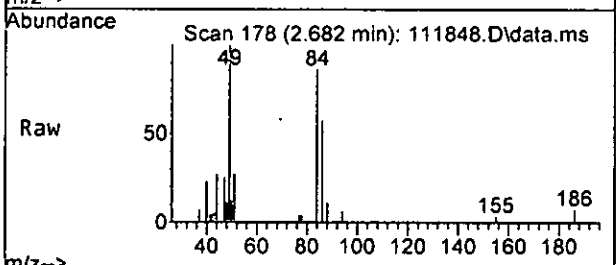
Data Path : Y:\Proc_GCMS13\11-18-22\
Data File : 111848.D
Acq On : 19 Nov 2022 02:15 am
Operator : LM
Sample : 211237-04 1/0.25
Misc : soil
ALS Vial : 41 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Nov 21 09:46:55 2022
Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
QLast Update : Mon Nov 07 15:16:10 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M

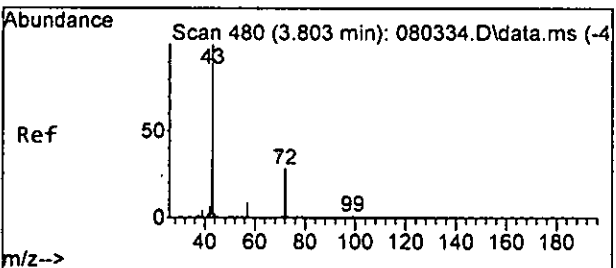
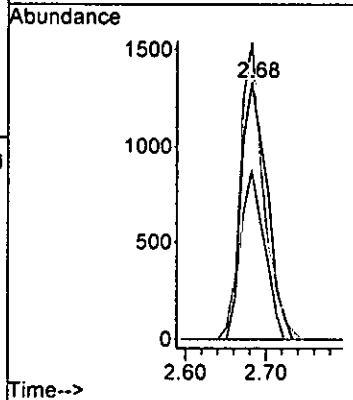
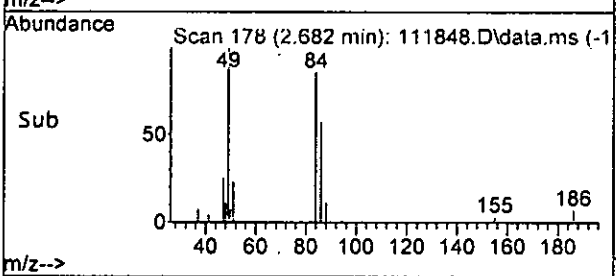




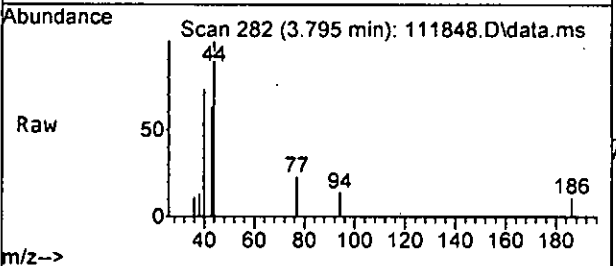
#14
 Methylene chloride
 Concen: Below Cal
 RT: 2.68 min Scan# 178
 Delta R.T. -0.000 min
 Lab File: 111848.D
 Acq: 19 Nov 2022 02:15 am



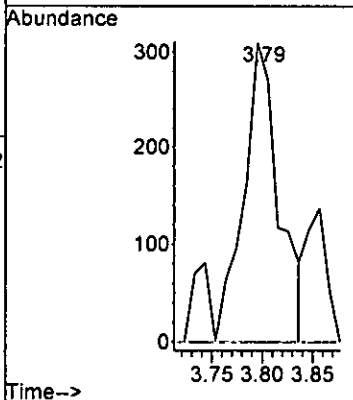
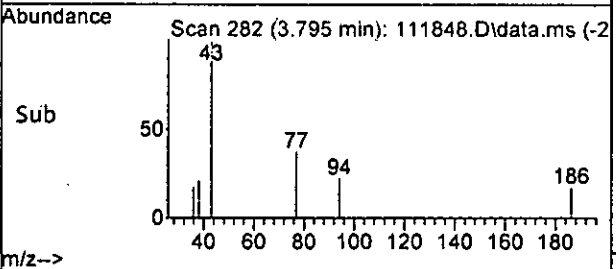
Tgt Ion: 84 Resp: 2939
 Ion Ratio Lower Upper
 84 100
 86 66.0 37.1 97.1
 49 115.7 81.3 141.3

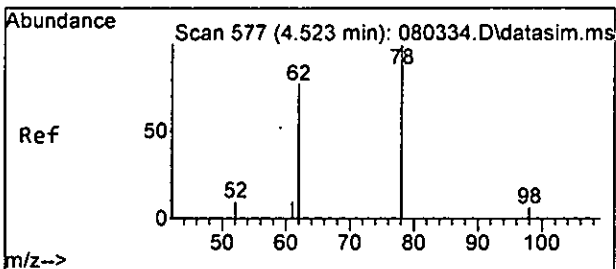


#24
 2-Butanone (MEK)
 Concen: 0.327 ppb
 RT: 3.79 min Scan# 282
 Delta R.T. -0.000 min
 Lab File: 111848.D
 Acq: 19 Nov 2022 02:15 am



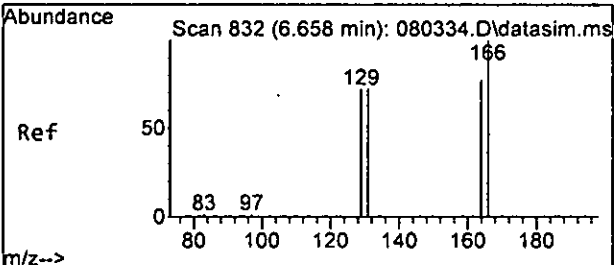
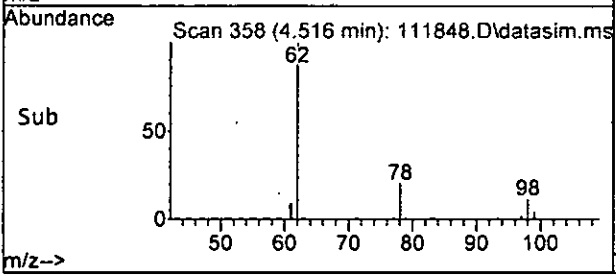
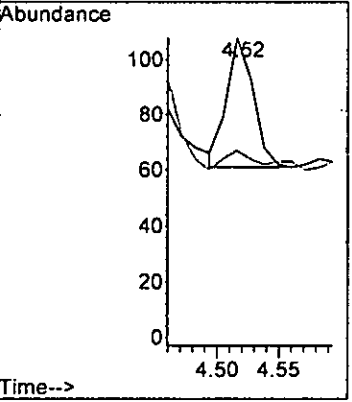
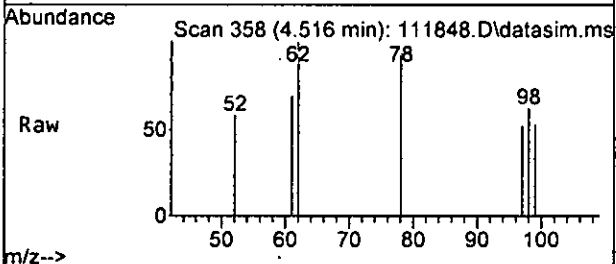
Tgt Ion: 43 Resp: 750
 Ion Ratio Lower Upper
 43 100
 72 0.0 0.0 57.0
 57 0.0 0.0 28.0





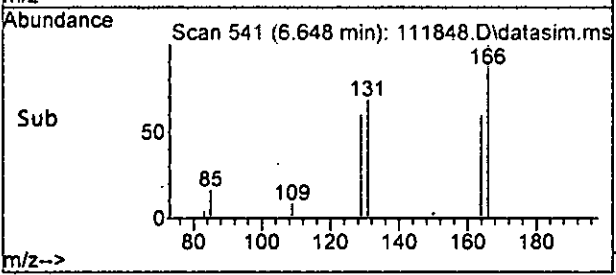
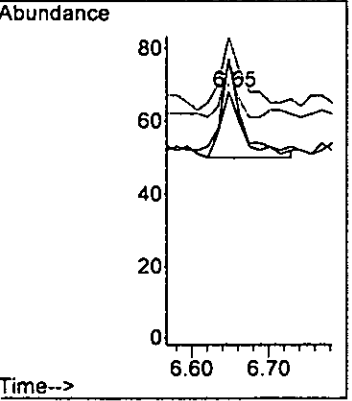
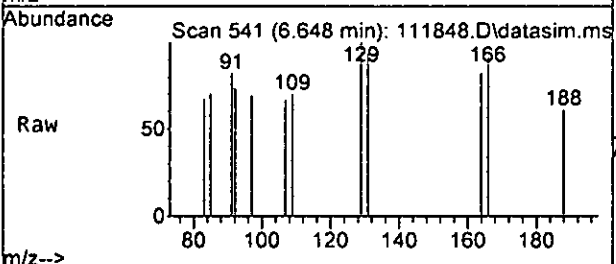
#26
 1,2-Dichloroethane (EDC)
 Concen: Below Cal
 RT: 4.52 min Scan# 358
 Delta R.T. -0.011 min
 Lab File: 111848.D
 Acq: 19 Nov 2022 02:15 am

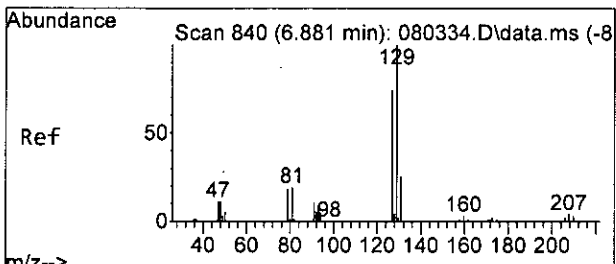
Tgt Ion: 62 Resp: 71
 Ion Ratio Lower Upper
 62 100
 98 14.9 0.0 40.1



#45
 Tetrachloroethene
 Concen: Below Cal
 RT: 6.65 min Scan# 541
 Delta R.T. -0.000 min
 Lab File: 111848.D
 Acq: 19 Nov 2022 02:15 am

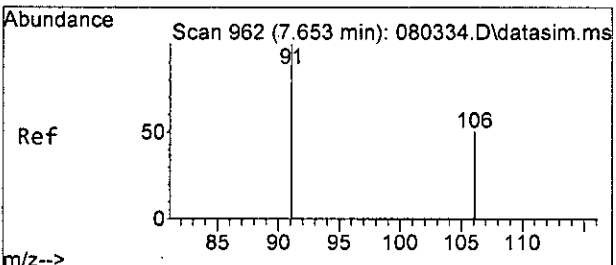
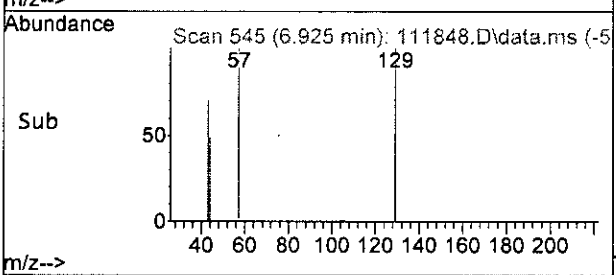
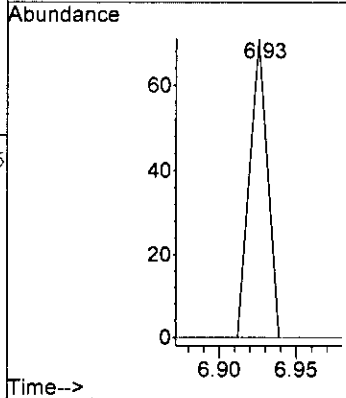
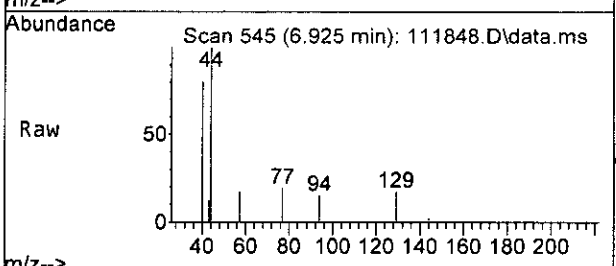
Tgt Ion: 164 Resp: 37
 Ion Ratio Lower Upper
 164 100
 129 100.0 72.1 132.1
 131 88.9 64.8 124.8
 166 133.3 90.0 150.0





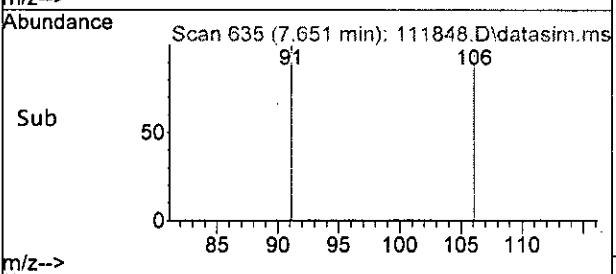
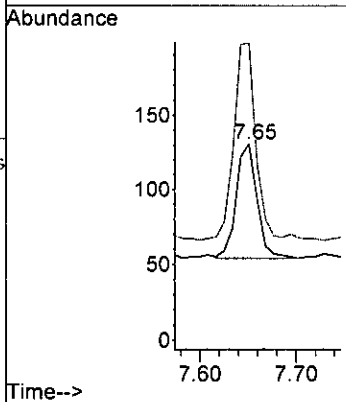
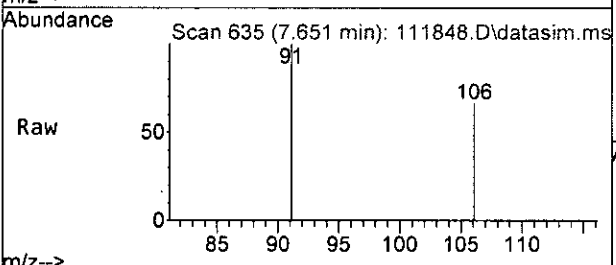
#46
 Dibromochloromethane
 Concen: Below Cal
 RT: 6.93 min Scan# 545
 Delta R.T. 0.040 min
 Lab File: 111848.D
 Acq: 19 Nov 2022 02:15 am

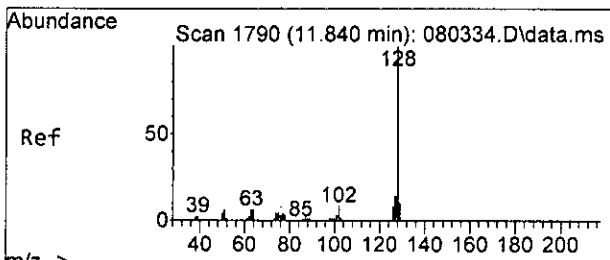
Tgt Ion:129 Resp: 57
 Ion Ratio Lower Upper
 129 100
 127 0.0 46.8 106.8#



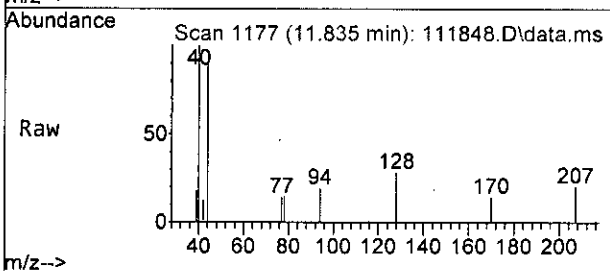
#51
 m,p-Xylene
 Concen: 0.020 ppb
 RT: 7.65 min Scan# 635
 Delta R.T. 0.000 min
 Lab File: 111848.D
 Acq: 19 Nov 2022 02:15 am

Tgt Ion:106 Resp: 115
 Ion Ratio Lower Upper
 106 100
 91 168.8 175.7 235.7#



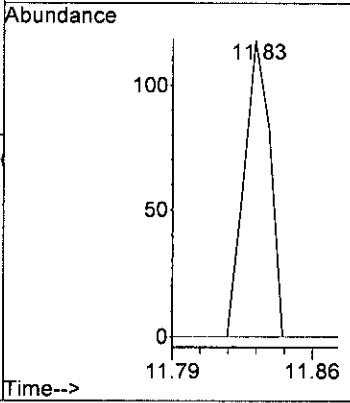
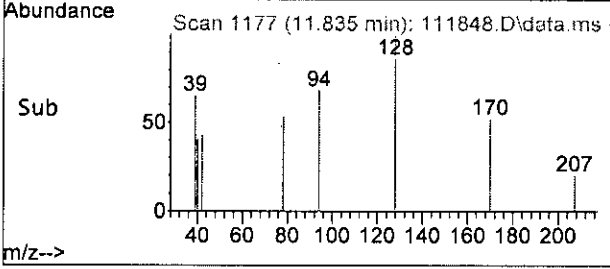


#75
 Naphthalene
 Concen: 0.088 ppb
 RT: 11.83 min Scan# 1177
 Delta R.T. -0.000 min
 Lab File: 111848.D
 Acq: 19 Nov 2022 02:15 am



Tgt Ion: 128 Resp: 106

Ion	Ratio	Lower	Upper
128	100		
129	0.0	0.0	40.8
127	0.0	0.0	43.1



Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111848.D
 Acq On : 19 Nov 2022 02:15 am
 Operator : LM
 Sample : 211237-04 1/0.25
 Misc : soil
 ALS Vial : 41 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:46:55 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	4.73	96	102670	10.000	ppb	-0.01	
39) Chlorobenzene-d5	7.40	117	94925	10.000	ppb	0.00	
56) 1,4-Dichlorobenzene-d4	9.62	152	59899	10.000	ppb	0.00	
System Monitoring Compounds							
3) Dibromofluoromethane	4.17	113	33195	10.082	ppb	0.00	
Spiked Amount	10.000	Range 50 - 150	Recovery	=	100.80%		
30) 1,2-Dichloroethane-d4	4.45	102	6011	9.421	ppb	0.00	
Spiked Amount	10.000	Range 84 - 120	Recovery	=	94.20%		
35) Toluene-d8	6.11	98	99483	10.160	ppb	0.00	
Spiked Amount	10.000	Range 73 - 128	Recovery	=	101.60%		
57) 4-Bromofluorobenzene	8.51	95	38316	9.283	ppb	0.00	
Spiked Amount	10.000	Range 57 - 146	Recovery	=	92.80%		
Target Compounds							
							Qvalue
2) Ethanol	2.34	45	71	No Calib			
4) Dichlorodifluoromethane	0.00		0	N.D.			
5) Chloromethane	1.24	50	420	N.D.			
6) Vinyl chloride	0.00		0	N.D. d			
7) Bromomethane	0.00		0	N.D. d			
8) Chloroethane	0.00		0	N.D.			
9) Trichlorofluoromethane	0.00		0	N.D.			
10) 2-Propanol	2.34	45	71	No Calib	#		
11) Acetone	0.00		0	N.D.			
12) 1,1-Dichloroethene	0.00		0	N.D. d			
13) Hexane	3.15	57	83	N.D.			
14) Methylene chloride	2.68	84	2939	Below Cal		97	
15) t-Butyl alcohol (TBA)	0.00		0	N.D.			
16) Methyl t-butyl ether (...)	0.00		0	N.D.			
17) trans-1,2-Dichloroethene	0.00		0	N.D.			
18) Diisopropyl ether (DIPE)	0.00		0	N.D.			
19) 1,1-Dichloroethane	0.00		0	N.D.			
20) Ethyl t-butyl ether (E...)	0.00		0	N.D.			
21) 2,2-Dichloropropane	3.79	77	298	N.D.			
22) cis-1,2-Dichloroethene	0.00		0	N.D.			
23) Chloroform	0.00		0	N.D.			
24) 2-Butanone (MEK)	3.79	43	750	0.327	ppb	55	
25) t-Amyl methyl ether (T...)	0.00		0	N.D.			
26] 1,2-Dichloroethane (EDC)	4.52	62	71	Below Cal		87	
27) 1,1,1-Trichloroethane	0.00		0	N.D.			
28) 1,1-Dichloropropene	0.00		0	N.D.			
29) Carbon tetrachloride	0.00		0	N.D.			
31) Benzene	4.50	78	72	N.D.			
32) Trichloroethene	0.00		0	N.D. d			
33) 1,2-Dichloropropane	5.19	63	82	N.D.			
34) Bromodichloromethane	0.00		0	N.D.			
36) Dibromomethane	0.00		0	N.D.			

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111848.D
 Acq On : 19 Nov 2022 02:15 am
 Operator : LM
 Sample : 211237-04 1/0.25
 Misc : soil
 ALS Vial : 41 Sample Multiplier: 1
 InstName : GCMS13

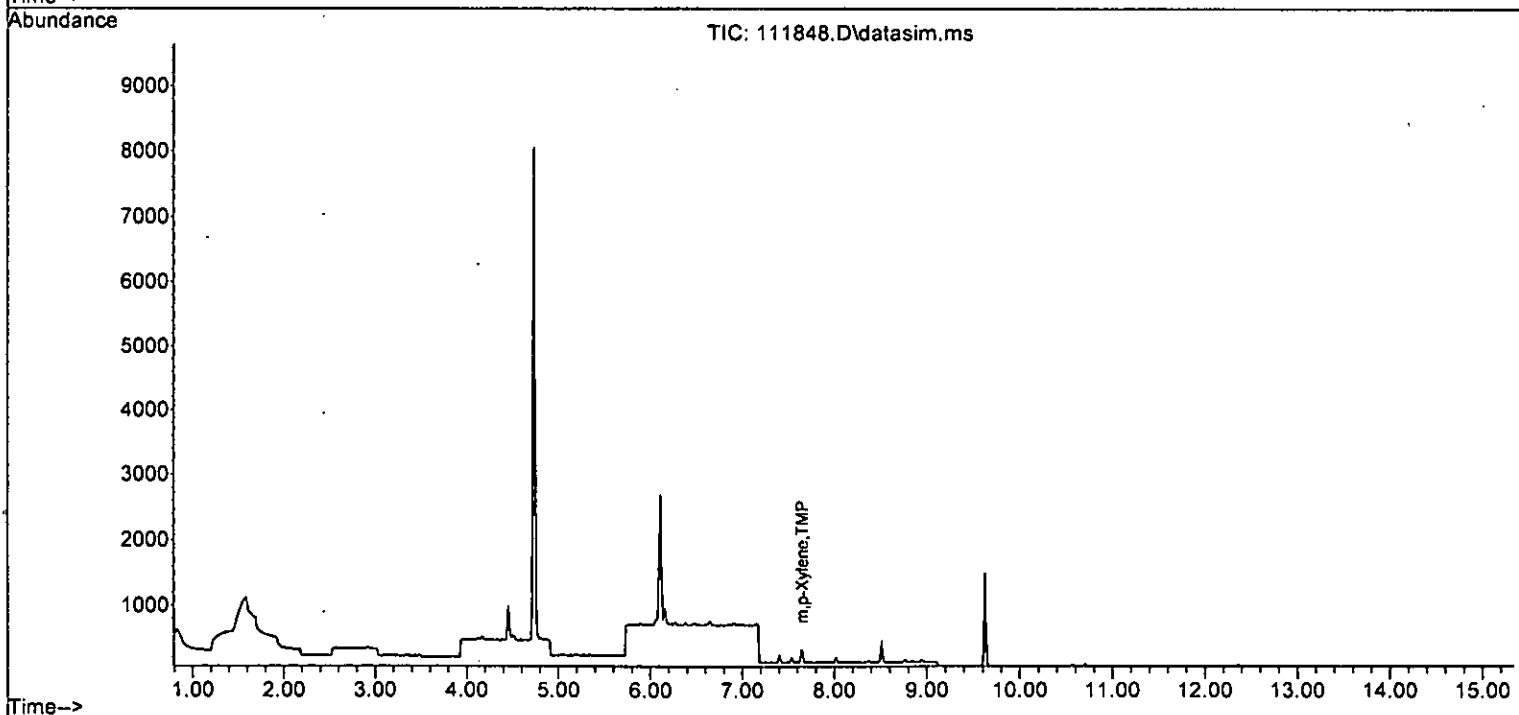
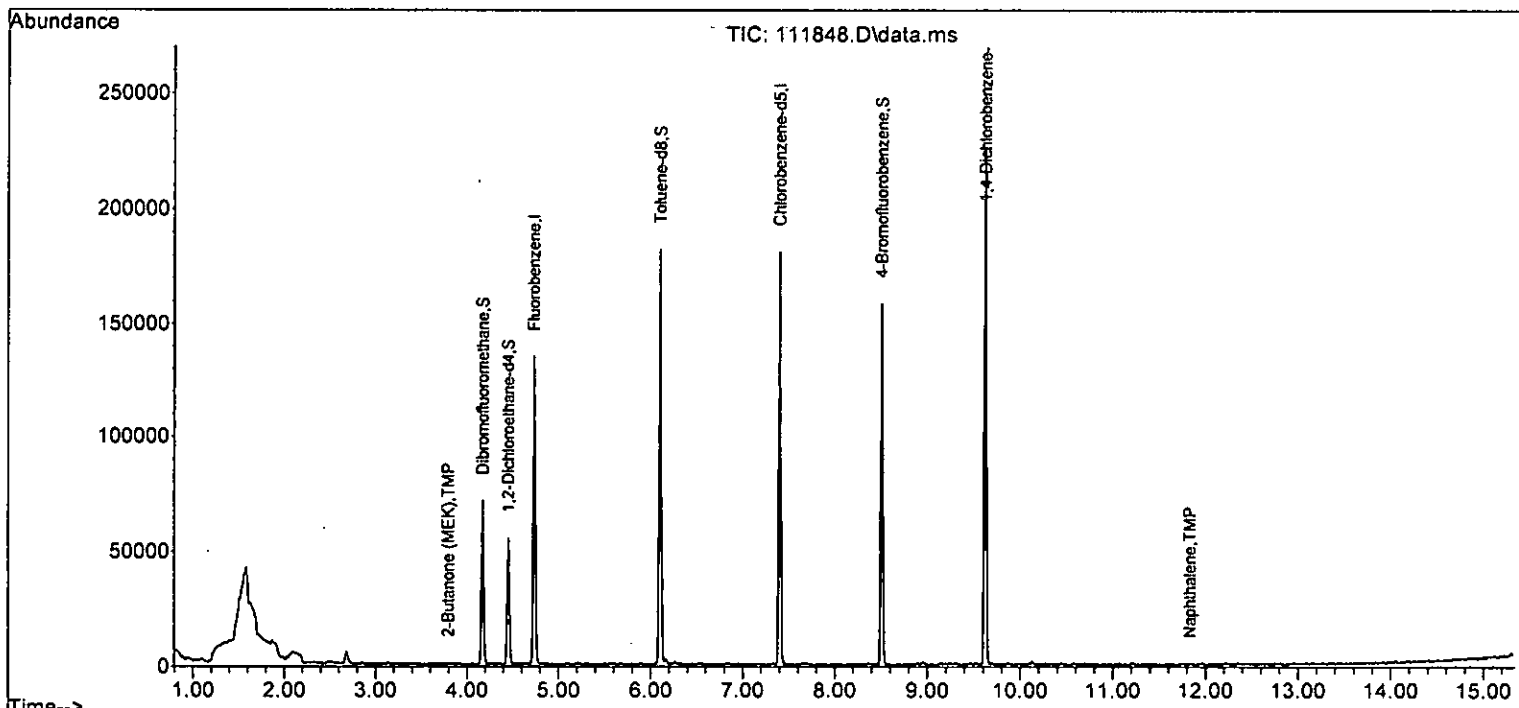
Quant Time: Nov 21 09:46:55 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.00		0		N.D.	
38) cis-1,3-Dichloropropene	0.00		0		N.D.	
40) Toluene	6.16	92	136		N.D.	
41) trans-1,3-Dichloropropene	0.00		0		N.D. d	
42) 1,1,2-Trichloroethane	0.00		0		N.D.	
43) 2-Hexanone	6.76	43	92		N.D.	
44) 1,3-Dichloropropane	0.00		0		N.D.	
45] Tetrachloroethene	6.65	164	37	Below Cal		93
46) Dibromochloromethane	6.93	129	57	Below Cal	#	11
47) 1,2-Dibromoethane (EDB)	0.00		0		N.D.	
48) Chlorobenzene	0.00		0		N.D.	
49) Ethylbenzene	7.54	91	95		N.D.	
50) 1,1,1,2-Tetrachloroethane	0.00		0		N.D.	
51] m,p-Xylene	7.65	106	115	0.020	ppb #	76
52) o-Xylene	8.02	106	49		N.D.	
53) Styrene	0.00		0		N.D.	
54) Isopropylbenzene	8.37	105	125		N.D.	
55) Bromoform	0.00		0		N.D.	
58) n-Propylbenzene	8.76	91	112		N.D.	
59) Bromobenzene	0.00		0		N.D.	
60) 1,3,5-Trimethylbenzene	8.90	105	65		N.D.	
61) 1,1,2,2-Tetrachloroethane	0.00		0		N.D.	
62) 1,2,3-Trichloropropane	0.00		0		N.D. d	
63) 2-Chlorotoluene	8.84	91	34		N.D.	
64) 4-Chlorotoluene	8.84	91	34		N.D.	
65) tert-Butylbenzene	0.00		0		N.D.	
66) 1,2,4-Trimethylbenzene	9.30	105	304		N.D.	
67) sec-Butylbenzene	9.46	105	23		N.D.	
68) p-Isopropyltoluene	9.60	119	130		N.D.	
69) 1,3-Dichlorobenzene	0.00		0		N.D.	
70) 1,4-Dichlorobenzene	0.00		0		N.D.	
71) 1,2-Dichlorobenzene	10.01	146	21		N.D.	
72) 1,2-Dibromo-3-chloropr...	0.00		0		N.D.	
73) 1,2,4-Trichlorobenzene	0.00		0		N.D.	
74) Hexachlorobutadiene	0.00		0		N.D.	
75) Naphthalene	11.83	128	106	0.088	ppb	69
76) 1,2,3-Trichlorobenzene	0.00		0		N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111848.D
 Acq On : 19 Nov 2022 02:15 am
 Operator : LM
 Sample : 211237-04 1/0.25
 Misc : soil
 ALS Vial : 41 Sample Multiplier: 1
 InstName : GCMS13

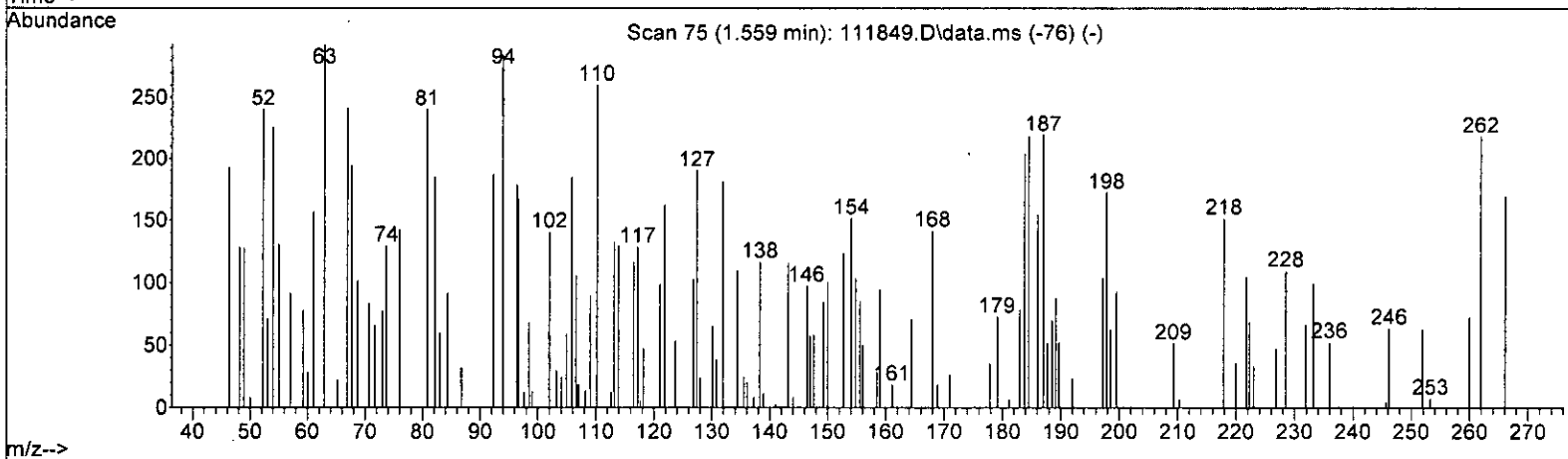
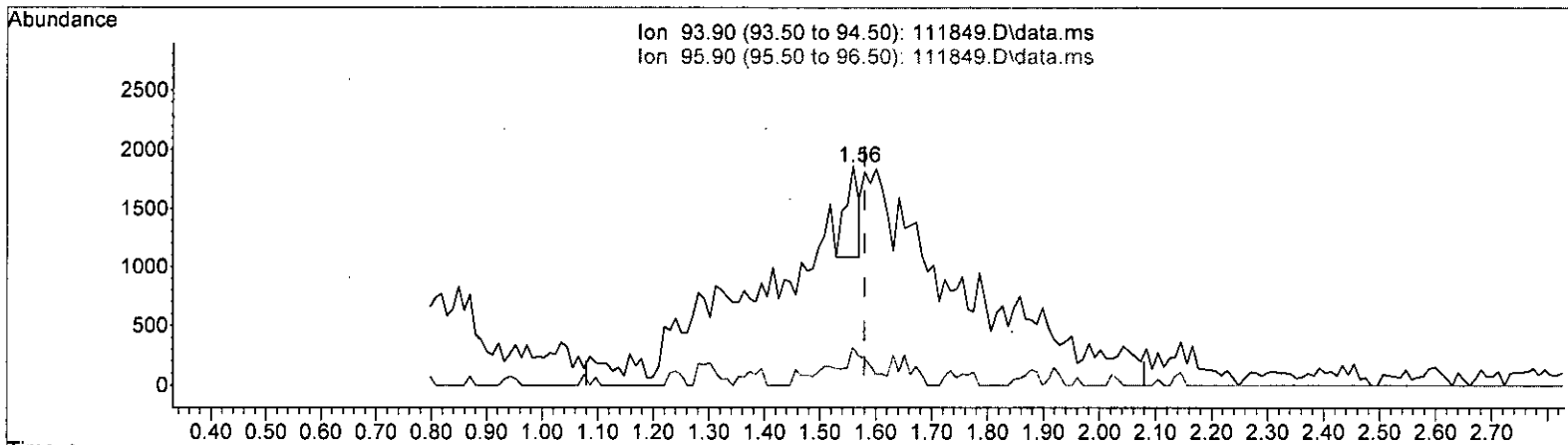
Quant Time: Nov 21 09:46:55 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111849.D
 Acq On : 19 Nov 2022 02:38 am
 Operator : LM
 Sample : 211237-05 1/0.25
 Misc : soil
 ALS Vial : 42 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:46:59 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



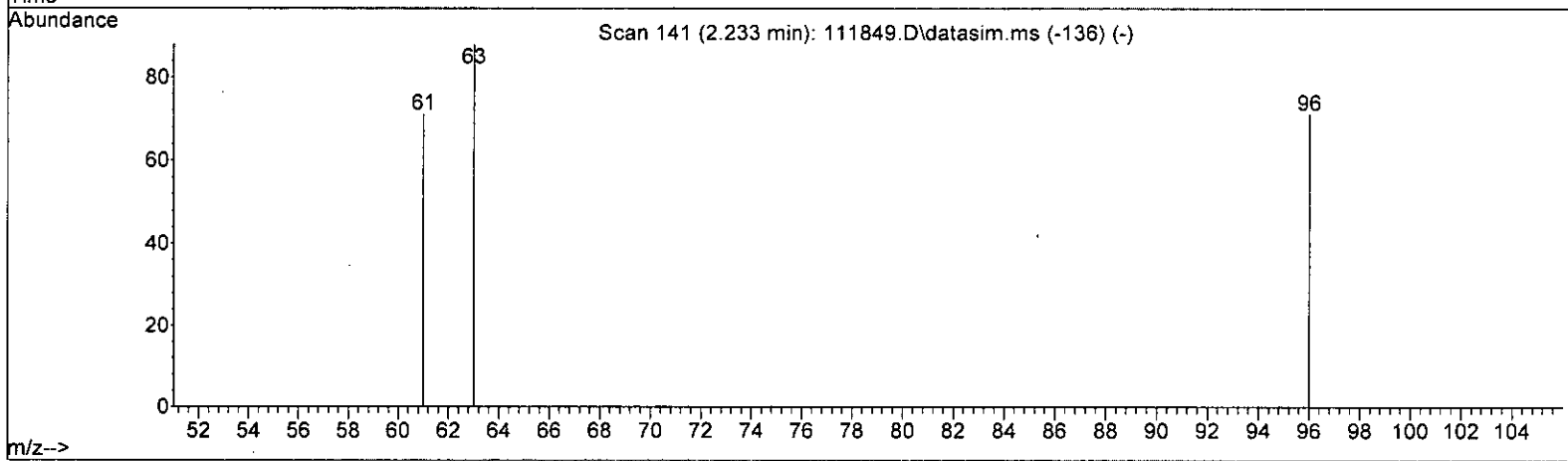
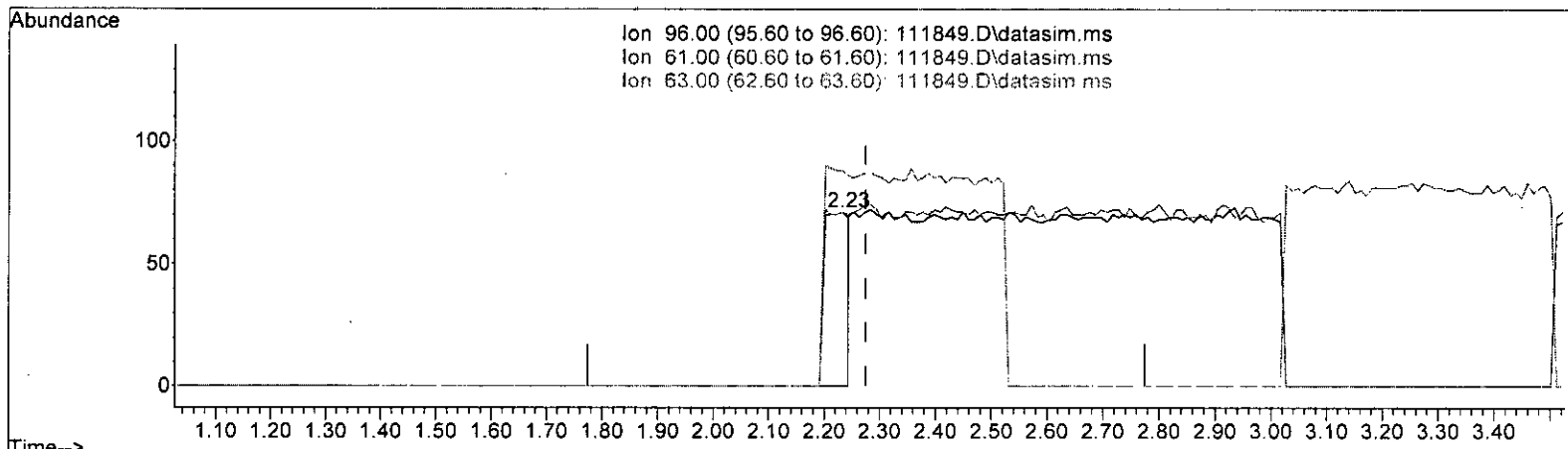
TIC: 111849.D\data.ms

(7) Bromomethane (TMP)		
1.559min (-0.021) 0.269 ppb.		
response	1313	
Ion	Exp%	Act%
93.90	100.00	100.00
95.90	93.50	23.11#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111849.D
 Acq On : 19 Nov 2022 02:38 am
 Operator : LM
 Sample : 211237-05 1/0.25
 Misc : soil
 ALS Vial : 42 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:46:59 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 111849.D\data.ms

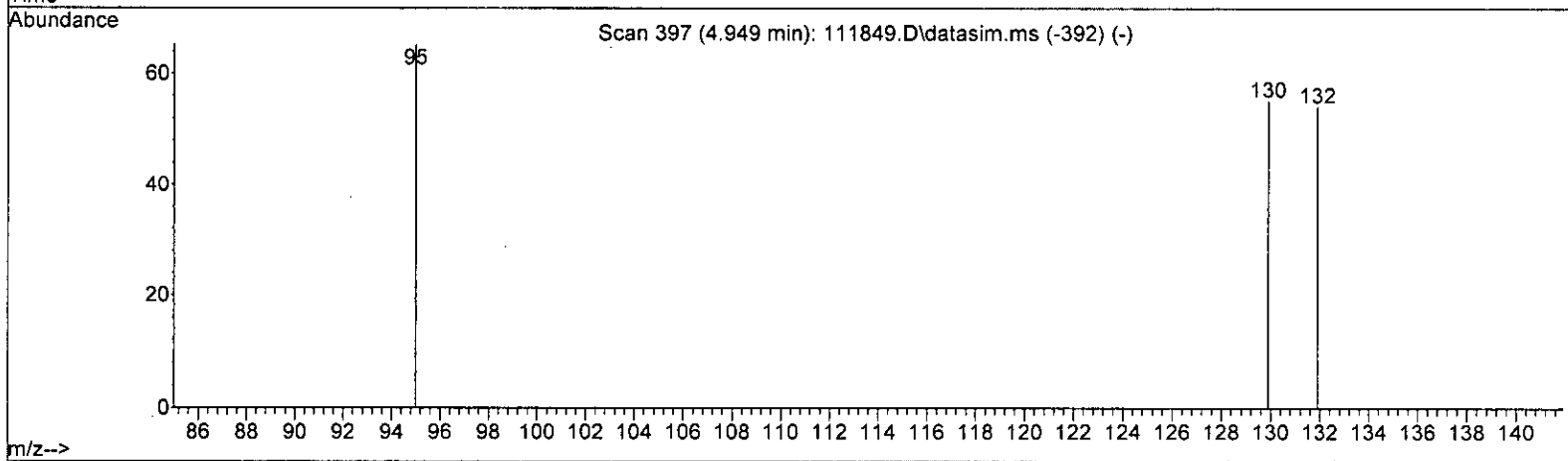
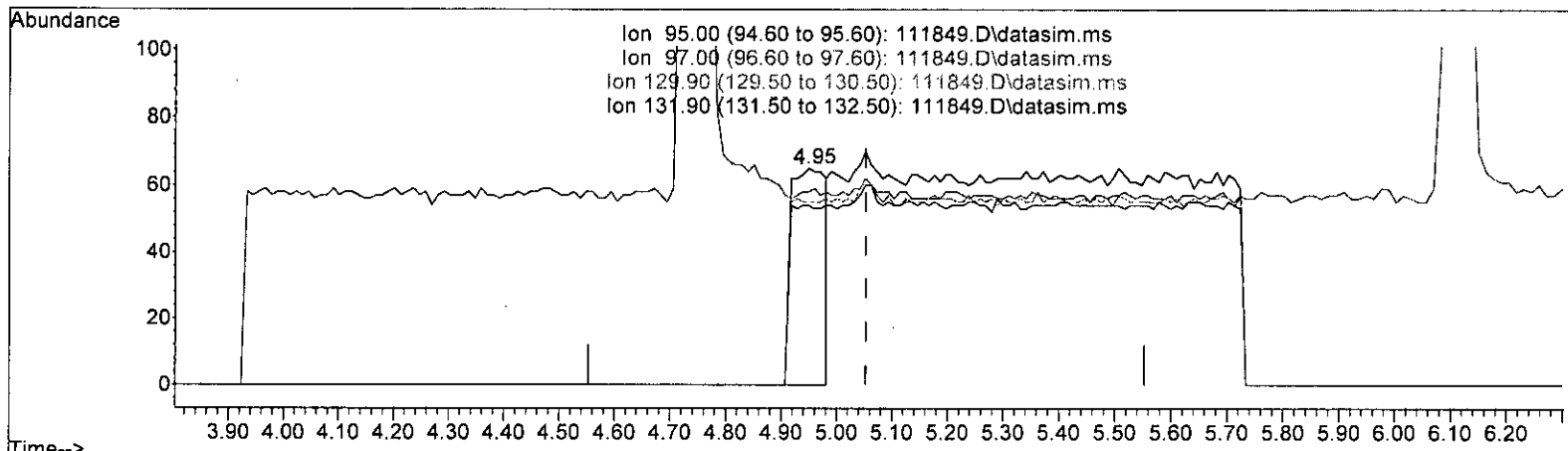
(12) 1,1-Dichloroethene (TMP)
 2.233min (-0.042) 0.067 ppb

response	216
Ion	Exp% Act%
96.00	100.00 100.00
61.00	120.90 100.00
63.00	43.90 123.94#
0.00	0.00 0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111849.D
 Acq On : 19 Nov 2022 02:38 am
 Operator : LM
 Sample : 211237-05 1/0.25
 Misc : soil
 ALS Vial : 42 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:46:59 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 111849.D\data.ms

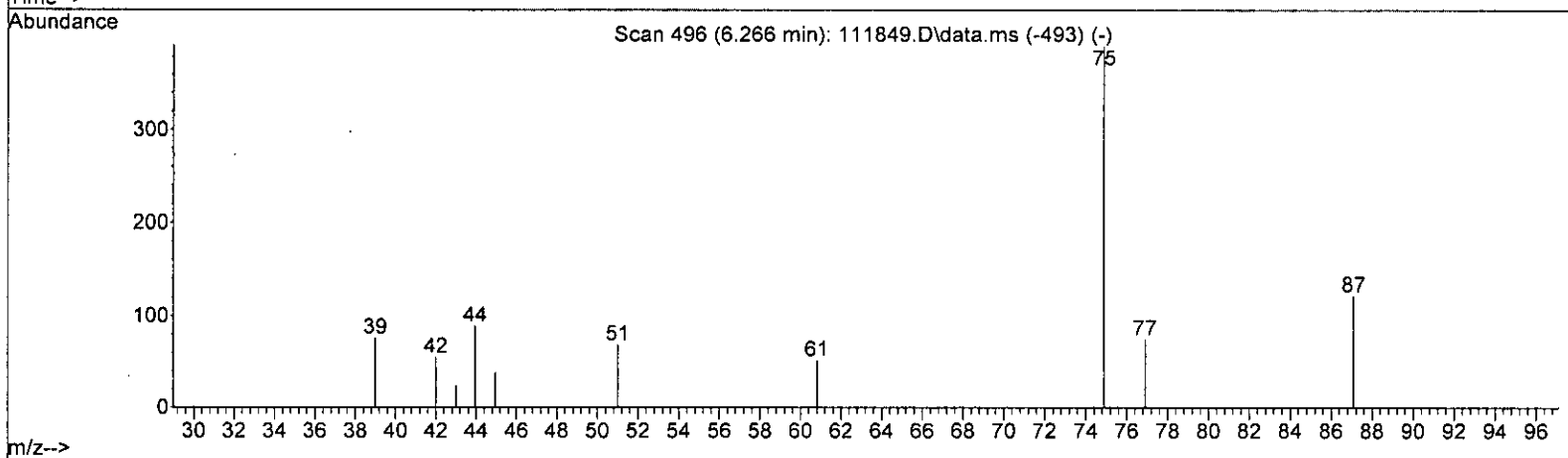
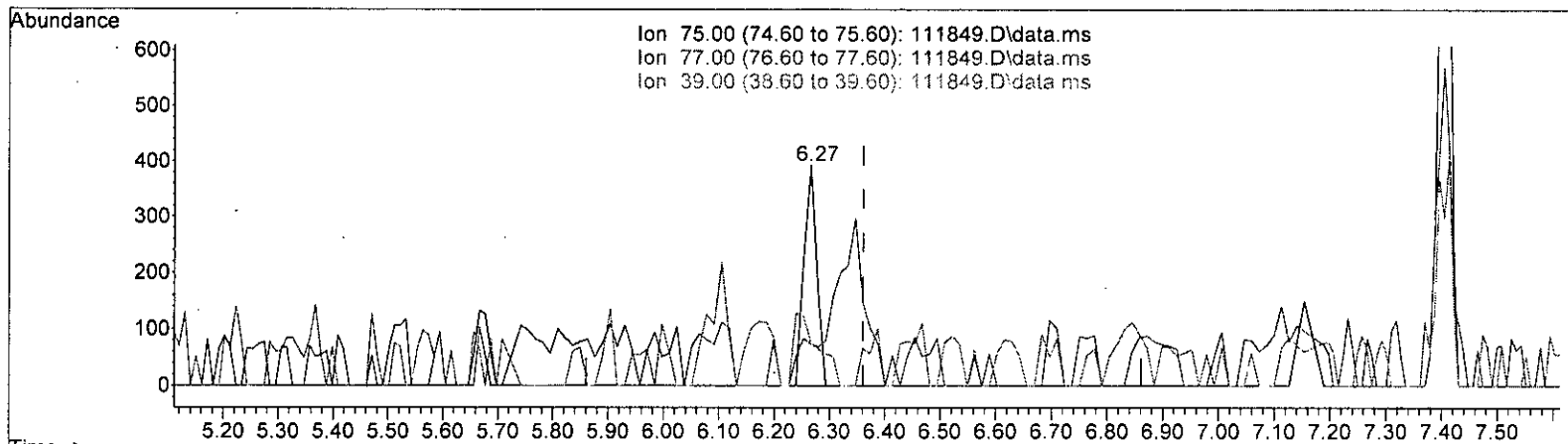
(32) Trichloroethene (TMP)
 4.949min (-0.104) 0.067 ppb
 response 279

Ion	Exp%	Act%
95.00	100.00	100.00
97.00	64.60	0.00#
129.90	103.40	84.62
131.90	95.80	83.08

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111849.D
 Acq On : 19 Nov 2022 02:38 am
 Operator : LM
 Sample : 211237-05 1/0.25
 Misc : soil
 ALS Vial : 42 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:46:59 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 111849.D\data.ms

(41) trans-1,3-Dichloropropene (TMP)

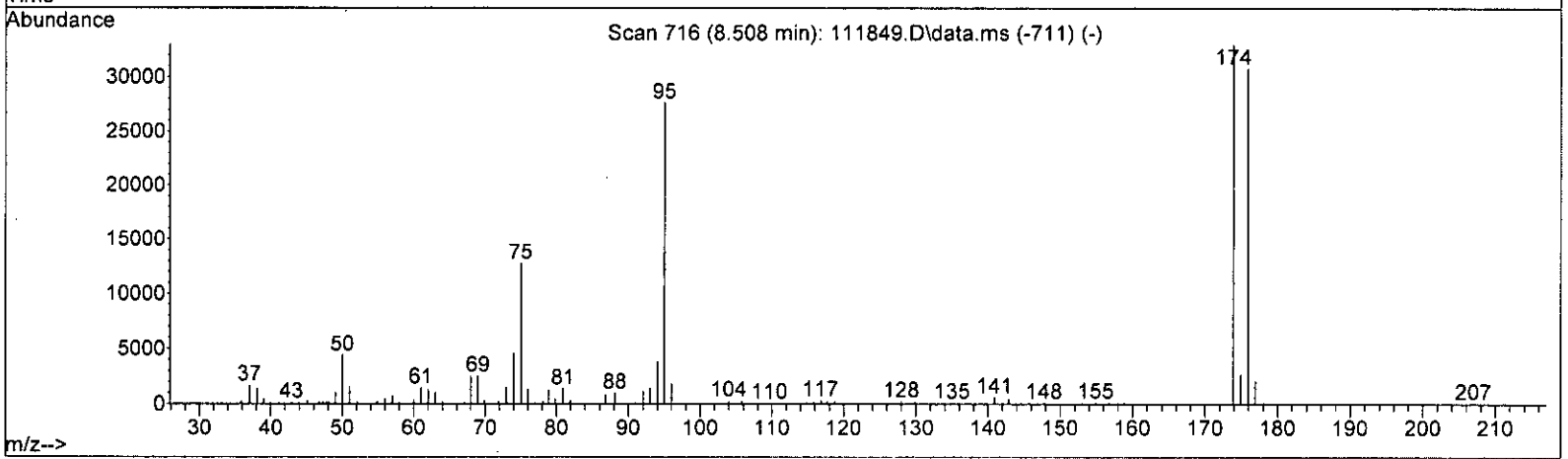
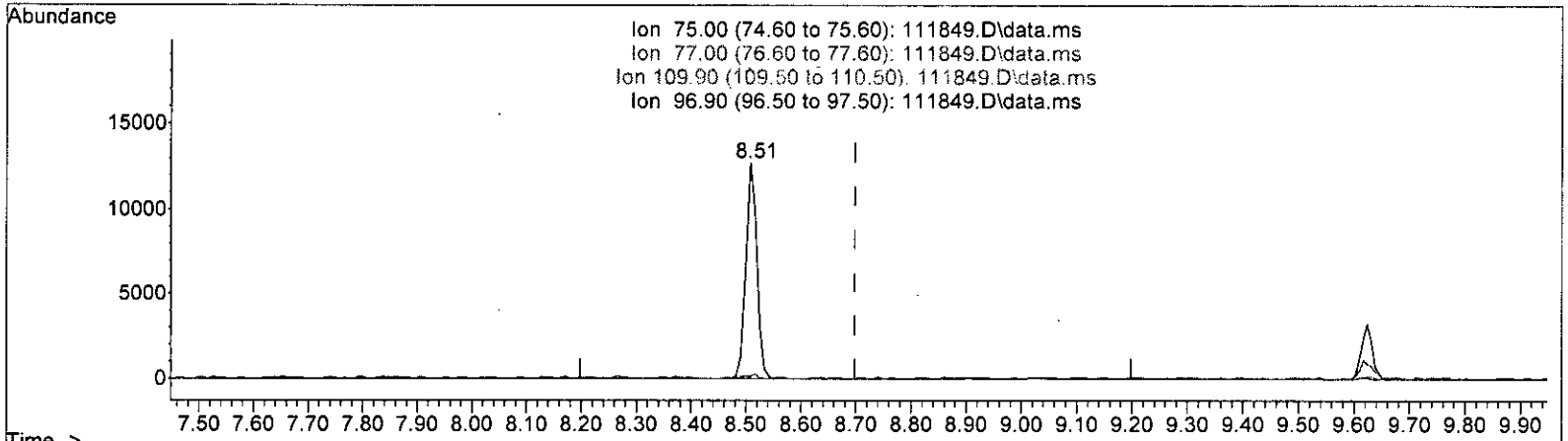
6.266min (-0.095) 0.190 ppb

response	620	
Ion	Exp%	Act%
75.00	100.00	100.00
77.00	32.60	18.88
39.00	46.30	19.13
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111849.D
 Acq On : 19 Nov 2022 02:38 am
 Operator : LM
 Sample : 211237-05 1/0.25
 Misc : soil
 ALS Vial : 42 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:46:59 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 111849.D\data.ms

(62) 1,2,3-Trichloropropane (TMP)		
8.508min (-0.190) 6.189 ppb		
response	17672	
Ion	Exp%	Act%
75.00	100.00	100.00
77.00	34.00	0.42#
109.90	36.50	0.45#
96.90	22.60	0.00

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111849.D
 Acq On : 19 Nov 2022 02:38 am
 Operator : LM
 Sample : 211237-05 1/0.25
 Misc : soil
 ALS Vial : 42 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:46:59 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

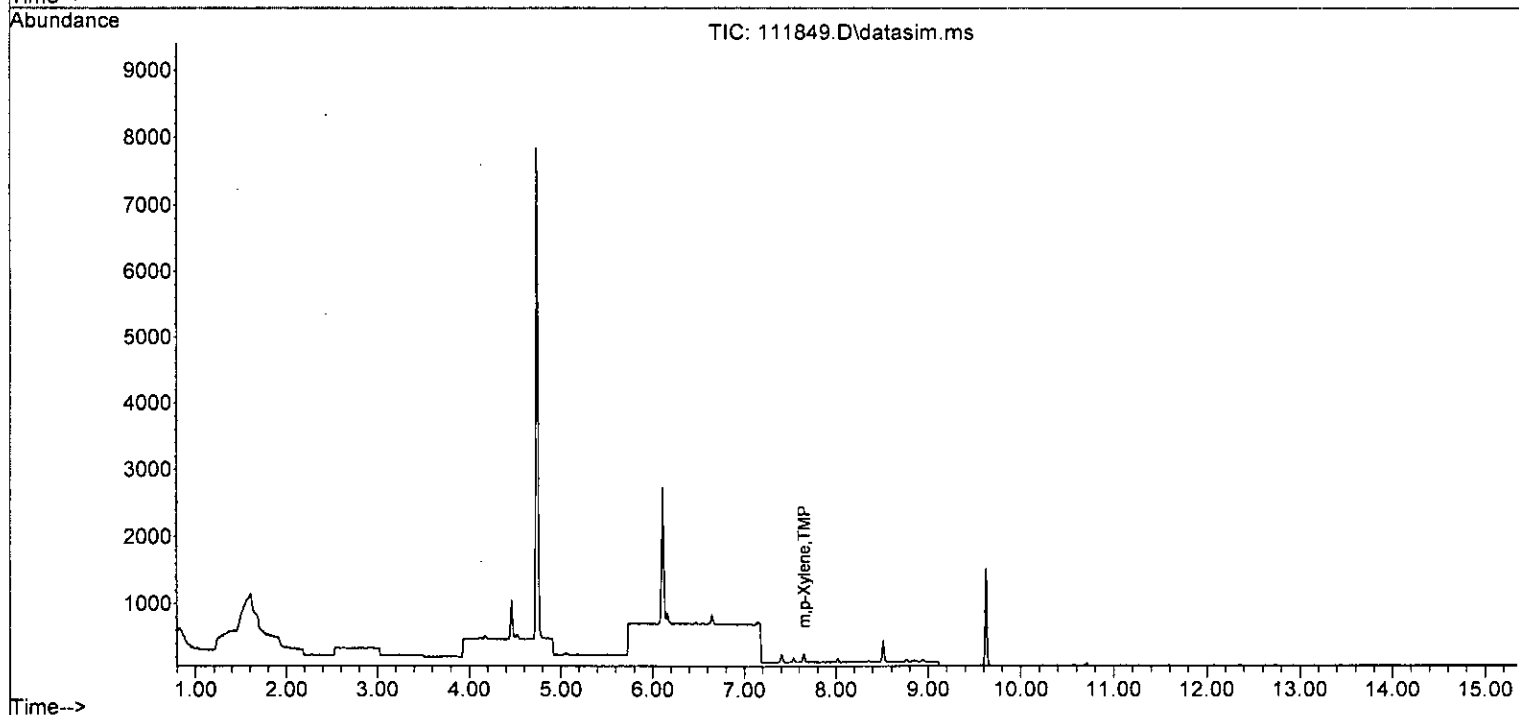
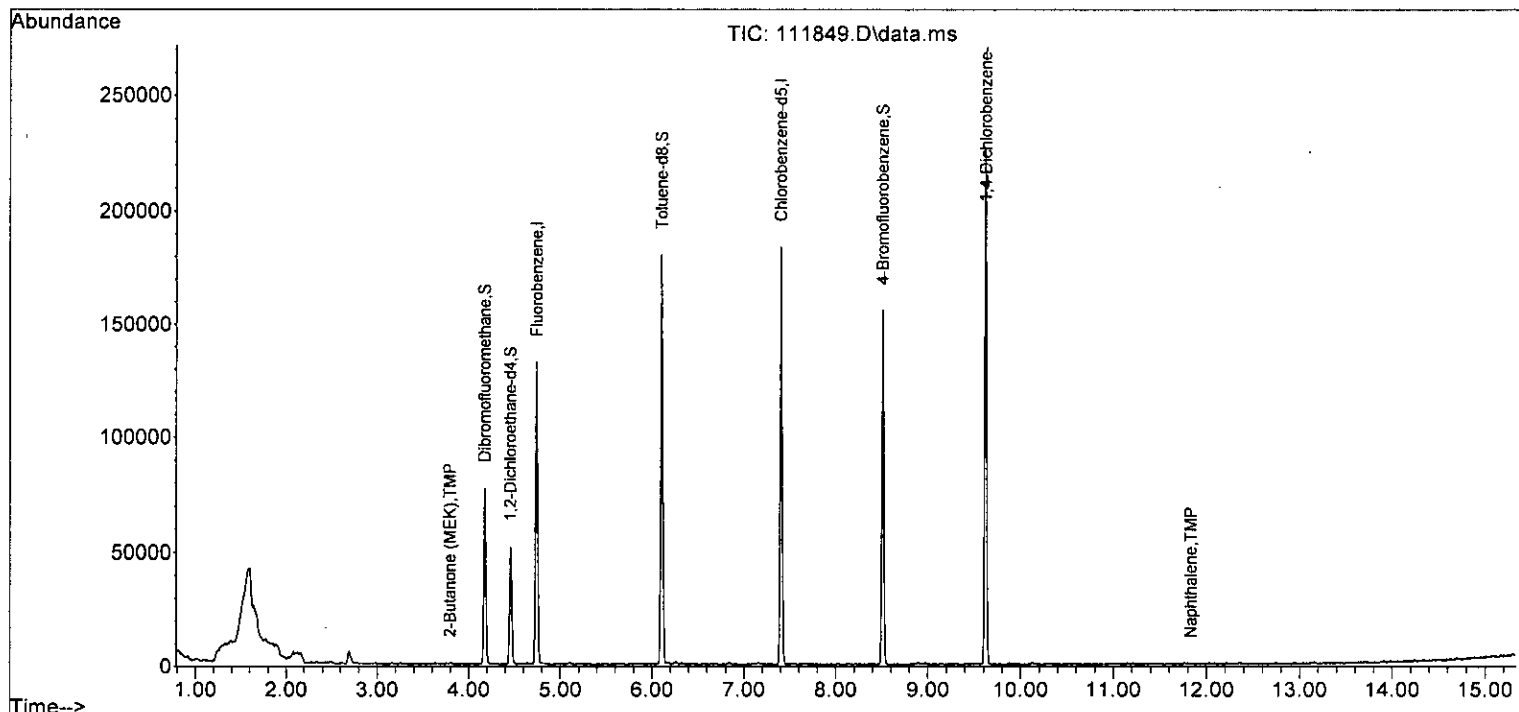
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

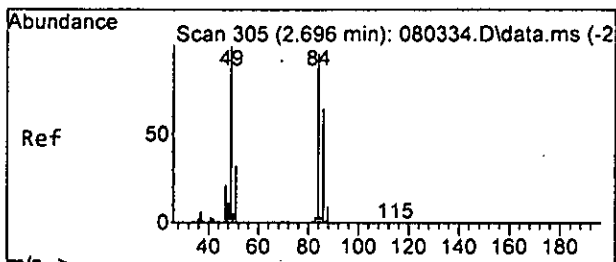
Internal Standards						
1) Fluorobenzene	4.75	96	112879	10.000	ppb	0.00
39) Chlorobenzene-d5	7.40	117	95887	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	58726	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.17	113	33598	9.281	ppb	0.00
Spiked Amount	10.000	Range 50 - 150	Recovery	=	92.80%	
30) 1,2-Dichloroethane-d4	4.45	102	6441	9.182	ppb	0.00
Spiked Amount	10.000	Range 84 - 120	Recovery	=	91.80%	
35) Toluene-d8	6.11	98	99009	9.197	ppb	0.00
Spiked Amount	10.000	Range 73 - 128	Recovery	=	92.00%	
57) 4-Bromofluorobenzene	8.51	95	38300	9.465	ppb	0.00
Spiked Amount	10.000	Range 57 - 146	Recovery	=	94.60%	
Target Compounds						
14) Methylene chloride	2.69	84	3029	Below Cal		Qvalue 90
24) 2-Butanone (MEK)	3.79	43	550	0.132	ppb	55
26] 1,2-Dichloroethane (EDC)	4.53	62	77	Below Cal		95
40] Toluene	6.16	92	84	Below Cal		91
45] Tetrachloroethene	6.65	164	56	Below Cal		94
51] m,p-Xylene	7.65	106	70	0.012	ppb #	77
75) Naphthalene	11.83	128	58	0.083	ppb	69

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS13\11-18-22\
Data File : 111849.D
Acq On : 19 Nov 2022 02:38 am
Operator : LM
Sample : 211237-05 1/0.25
Misc : soil
ALS Vial : 42 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Nov 21 09:46:59 2022
Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
QLast Update : Mon Nov 07 15:16:10 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M

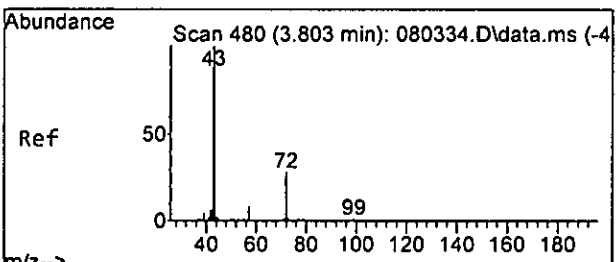
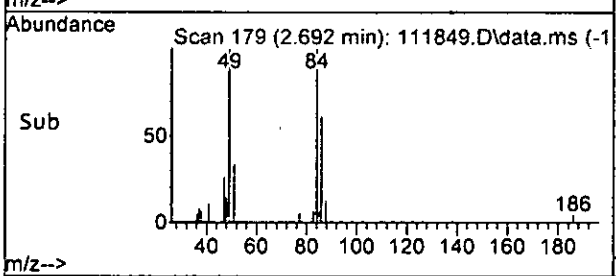
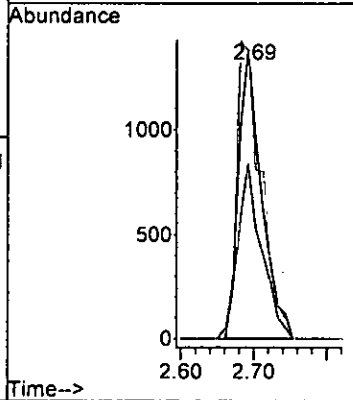
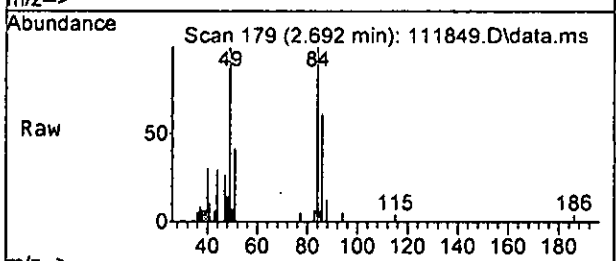




#14
 Methylene chloride
 Concen: Below Cal
 RT: 2.69 min Scan# 179
 Delta R.T. 0.010 min
 Lab File: 111849.D
 Acq: 19 Nov 2022 02:38 am

Tgt Ion: 84 Resp: 3029

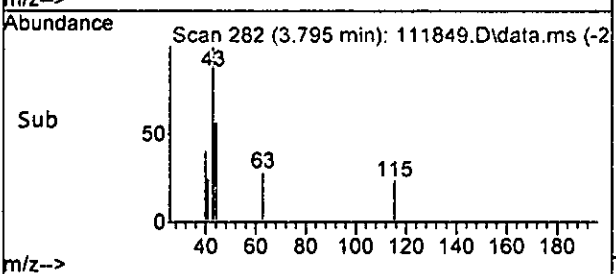
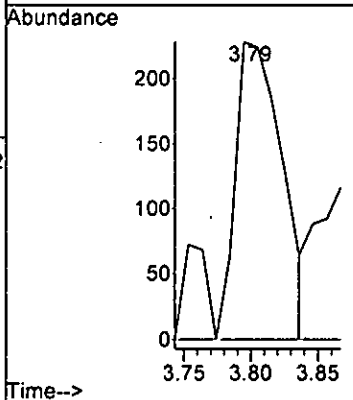
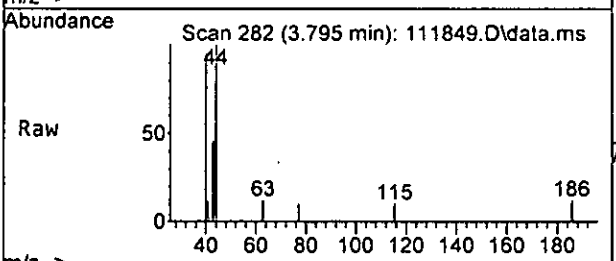
Ion	Ratio	Lower	Upper
84	100		
86	61.1	37.1	97.1
49	99.6	81.3	141.3

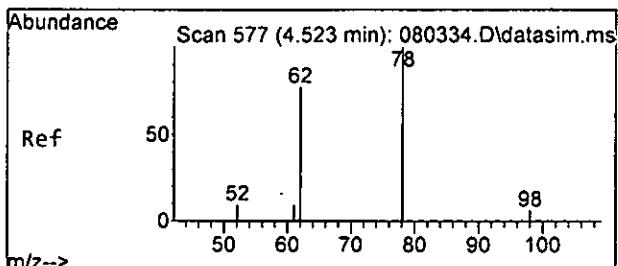


#24
 2-Butanone (MEK)
 Concen: 0.132 ppb
 RT: 3.79 min Scan# 282
 Delta R.T. -0.000 min
 Lab File: 111849.D
 Acq: 19 Nov 2022 02:38 am

Tgt Ion: 43 Resp: 550

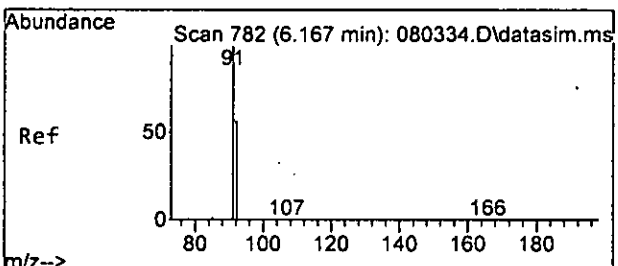
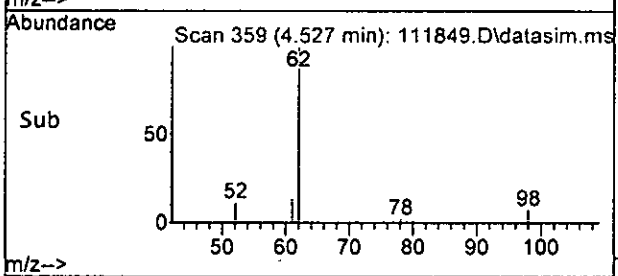
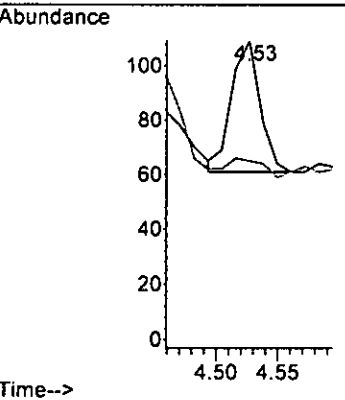
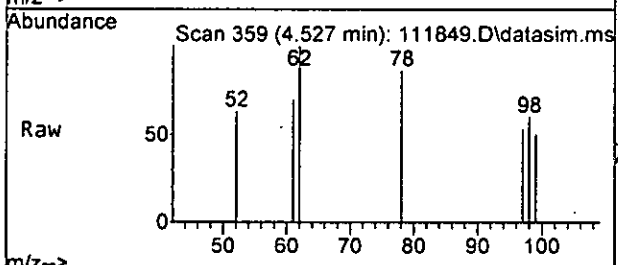
Ion	Ratio	Lower	Upper
43	100		
72	0.0	0.0	57.0
57	0.0	0.0	28.0





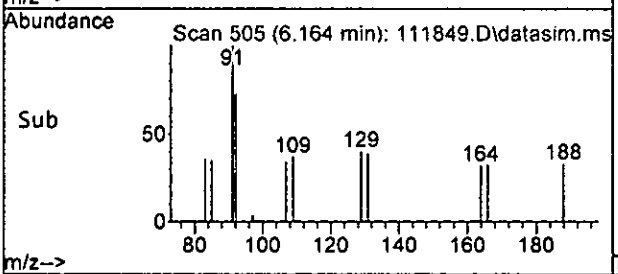
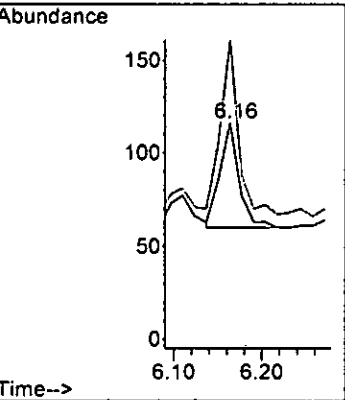
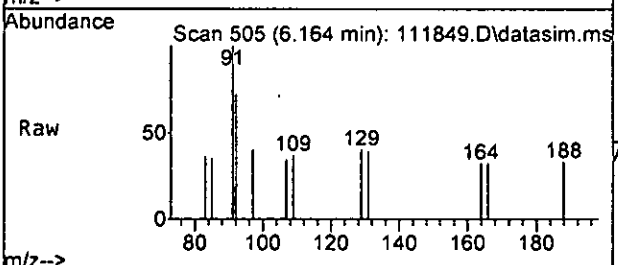
#26
 1,2-Dichloroethane (EDC)
 Concen: Below Cal
 RT: 4.53 min Scan# 359
 Delta R.T. -0.000 min
 Lab File: 111849.D
 Acq: 19 Nov 2022 02:38 am

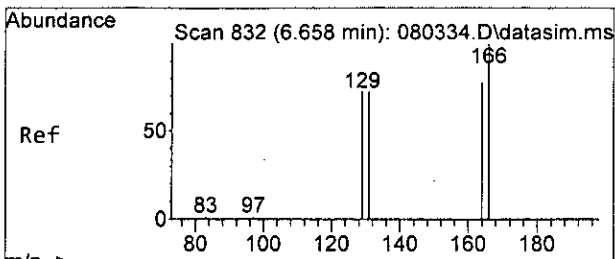
Tgt Ion: 62 Resp: 77
 Ion Ratio Lower Upper
 62 100
 98 8.3 0.0 40.1



#40
 Toluene
 Concen: Below Cal
 RT: 6.16 min Scan# 505
 Delta R.T. -0.000 min
 Lab File: 111849.D
 Acq: 19 Nov 2022 02:38 am

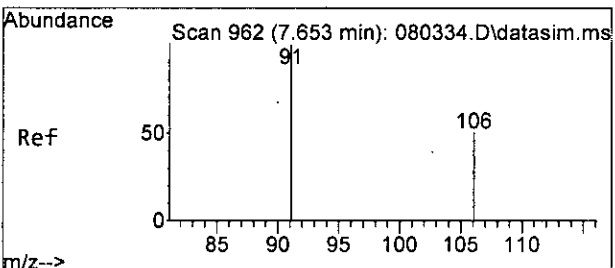
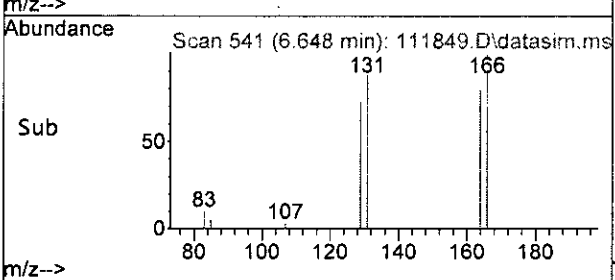
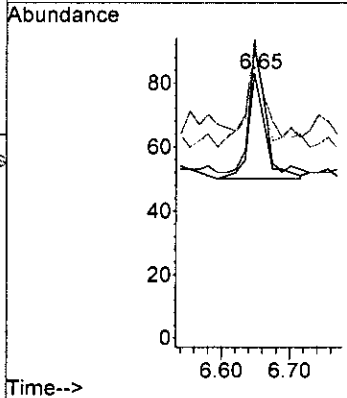
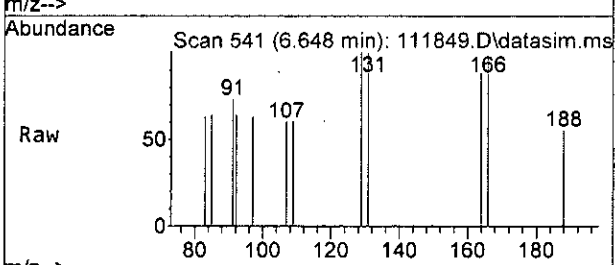
Tgt Ion: 92 Resp: 84
 Ion Ratio Lower Upper
 92 100
 91 166.1 148.5 208.5





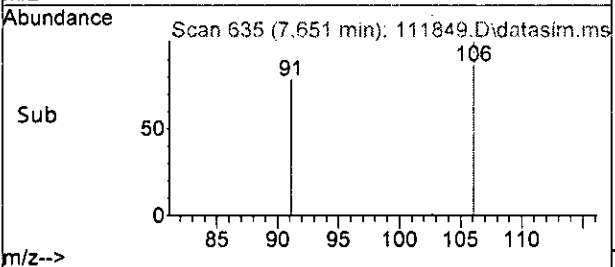
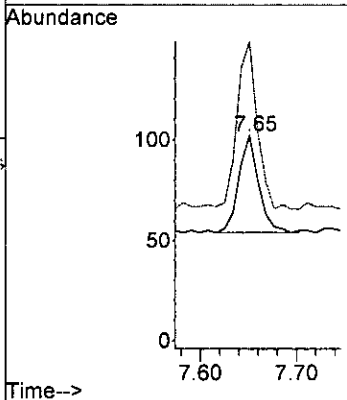
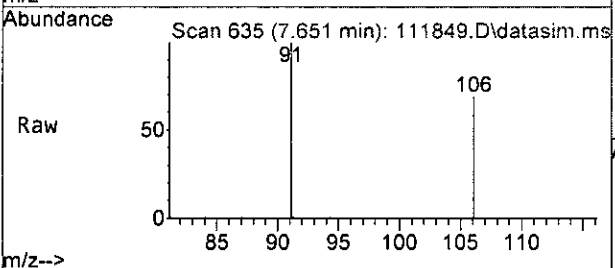
#45
 Tetrachloroethene
 Concen: Below Cal
 RT: 6.65 min Scan# 541
 Delta R.T. -0.000 min
 Lab File: 111849.D
 Acq: 19 Nov 2022 02:38 am

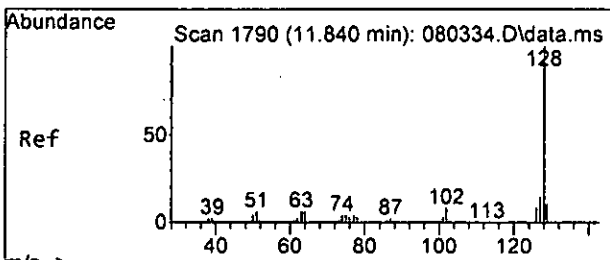
Tgt Ion	Resp	Lower	Upper
164	100		
129	93.9	72.1	132.1
131	103.0	64.8	124.8
166	118.2	90.0	150.0



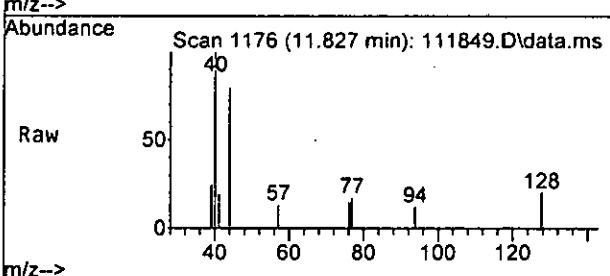
#51
 m,p-Xylene
 Concen: 0.012 ppb
 RT: 7.65 min Scan# 635
 Delta R.T. -0.000 min
 Lab File: 111849.D
 Acq: 19 Nov 2022 02:38 am

Tgt Ion	Resp	Lower	Upper
106	100		
91	170.8	175.7	235.7#



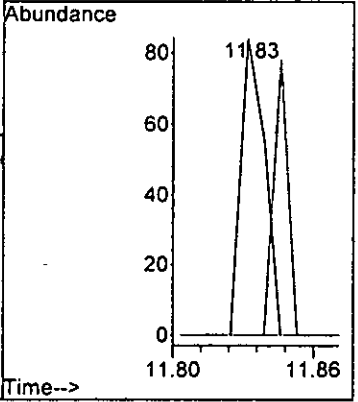
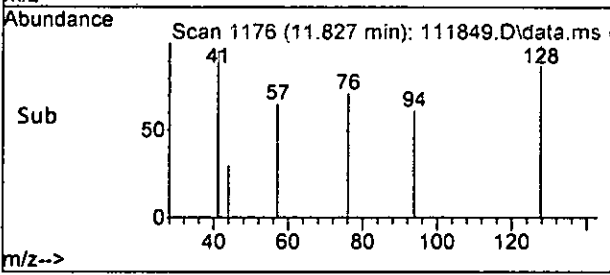


#75
 Naphthalene
 Concen: 0.083 ppb
 RT: 11.83 min Scan# 1176
 Delta R.T. -0.008 min
 Lab File: 111849.D
 Acq: 19 Nov 2022 02:38 am



Tgt Ion: 128 Resp: 58

Ion	Ratio	Lower	Upper
128	100		
129	0.0	0.0	40.8
127	0.0	0.0	43.1



Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111849.D
 Acq On : 19 Nov 2022 02:38 am
 Operator : LM
 Sample : 211237-05 1/0.25
 Misc : soil
 ALS Vial : 42 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:46:59 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) Fluorobenzene	4.75	96	112879	10.000	ppb	0.00	
39) Chlorobenzene-d5	7.40	117	95887	10.000	ppb	0.00	
56) 1,4-Dichlorobenzene-d4	9.62	152	58726	10.000	ppb	0.00	
System Monitoring Compounds							
3) Dibromofluoromethane	4.17	113	33598	9.281	ppb	0.00	
Spiked Amount	10.000	Range 50 - 150	Recovery	=	92.80%		
30) 1,2-Dichloroethane-d4	4.45	102	6441	9.182	ppb	0.00	
Spiked Amount	10.000	Range 84 - 120	Recovery	=	91.80%		
35) Toluene-d8	6.11	98	99009	9.197	ppb	0.00	
Spiked Amount	10.000	Range 73 - 128	Recovery	=	92.00%		
57) 4-Bromofluorobenzene	8.51	95	38300	9.465	ppb	0.00	
Spiked Amount	10.000	Range 57 - 146	Recovery	=	94.60%		
Target Compounds							
2) Ethanol	2.34	45	146	No Calib			Qvalue
4) Dichlorodifluoromethane	0.00		0	N.D.			
5) Chloromethane	1.27	50	379	N.D.			
6) Vinyl chloride	1.35	62	37	N.D.			
7) Bromomethane	0.00		0	N.D. d			
8) Chloroethane	0.00		0	N.D.			
9) Trichlorofluoromethane	0.00		0	N.D.			
10) 2-Propanol	2.34	45	146	No Calib	#		
11) Acetone	0.00		0	N.D.			
12) 1,1-Dichloroethene	0.00		0	N.D. d			
13) Hexane	3.16	57	67	N.D.			
14) Methylene chloride	2.69	84	3029	Below Cal		90	
15) t-Butyl alcohol (TBA)	0.00		0	N.D.			
16) Methyl t-butyl ether (...)	0.00		0	N.D.			
17) trans-1,2-Dichloroethene	0.00		0	N.D.			
18) Diisopropyl ether (DIPE)	0.00		0	N.D.			
19) 1,1-Dichloroethane	0.00		0	N.D.			
20) Ethyl t-butyl ether (E...)	0.00		0	N.D.			
21) 2,2-Dichloropropane	3.76	77	117	N.D.			
22) cis-1,2-Dichloroethene	0.00		0	N.D.			
23) Chloroform	0.00		0	N.D.			
24) 2-Butanone (MEK)	3.79	43	550	0.132	ppb	55	
25) t-Amyl methyl ether (T...)	0.00		0	N.D.			
26] 1,2-Dichloroethane (EDC)	4.53	62	77	Below Cal		95	
27) 1,1,1-Trichloroethane	0.00		0	N.D.			
28) 1,1-Dichloropropene	0.00		0	N.D.			
29) Carbon tetrachloride	0.00		0	N.D.			
31) Benzene	0.00		0	N.D.			
32) Trichloroethene	0.00		0	N.D. d			
33) 1,2-Dichloropropane	0.00		0	N.D.			
34) Bromodichloromethane	0.00		0	N.D.			
36) Dibromomethane	0.00		0	N.D.			

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111849.D
 Acq On : 19 Nov 2022 02:38 am
 Operator : LM
 Sample : 211237-05 1/0.25
 Misc : soil
 ALS Vial : 42 Sample Multiplier: 1
 InstName : GCMS13

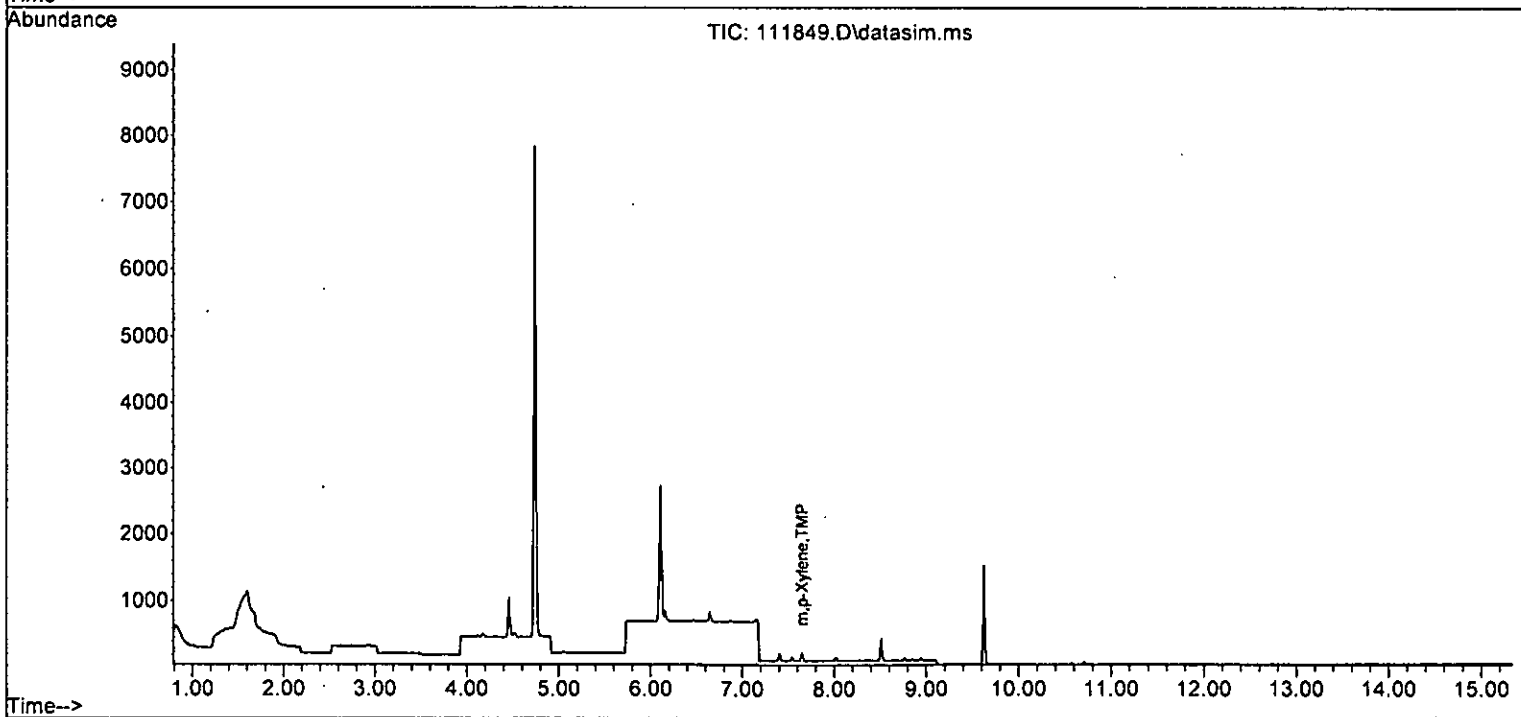
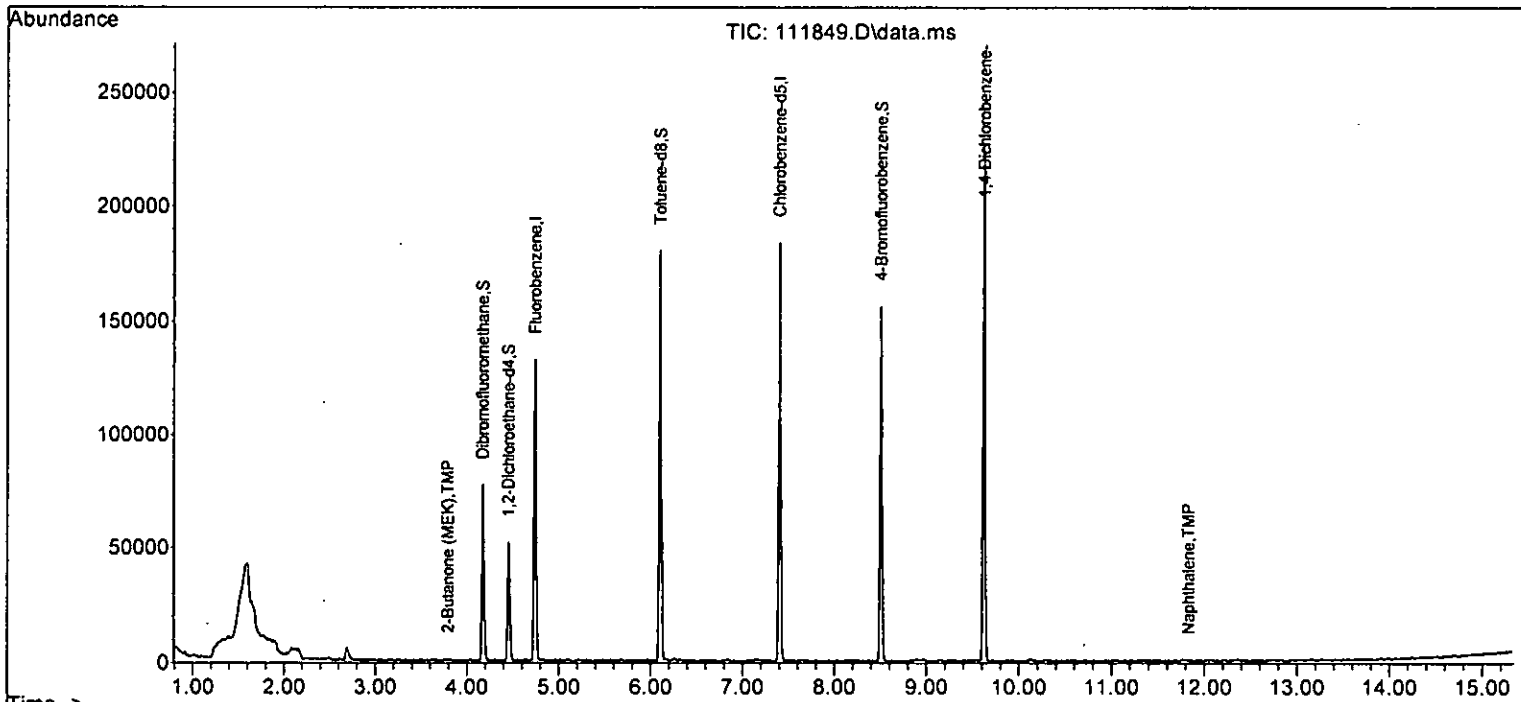
Quant Time: Nov 21 09:46:59 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.00		0		N.D.	
38) cis-1,3-Dichloropropene	0.00		0		N.D.	
40] Toluene	6.16	92	84	Below Cal		91
41) trans-1,3-Dichloropropene	0.00		0		N.D. d	
42) 1,1,2-Trichloroethane	0.00		0		N.D.	
43) 2-Hexanone	6.79	43	43		N.D.	
44) 1,3-Dichloropropane	0.00		0		N.D.	
45] Tetrachloroethene	6.65	164	56	Below Cal		94
46) Dibromochloromethane	0.00		0		N.D.	
47) 1,2-Dibromoethane (EDB)	0.00		0		N.D.	
48) Chlorobenzene	0.00		0		N.D.	
49) Ethylbenzene	7.54	91	76		N.D.	
50) 1,1,1,2-Tetrachloroethane	0.00		0		N.D.	
51] m,p-Xylene	7.65	106	70	0.012 ppb	#	77
52) o-Xylene	8.02	106	29		N.D.	
53) Styrene	8.03	104	118		N.D.	
54) Isopropylbenzene	8.37	105	77		N.D.	
55) Bromoform	0.00		0		N.D.	
58) n-Propylbenzene	8.76	91	66		N.D.	
59) Bromobenzene	0.00		0		N.D.	
60) 1,3,5-Trimethylbenzene	9.12	105	49		N.D.	
61) 1,1,2,2-Tetrachloroethane	0.00		0		N.D.	
62) 1,2,3-Trichloropropane	0.00		0		N.D. d	
63) 2-Chlorotoluene	8.76	91	66		N.D.	
64) 4-Chlorotoluene	8.93	91	31		N.D.	
65) tert-Butylbenzene	0.00		0		N.D.	
66) 1,2,4-Trimethylbenzene	9.30	105	147		N.D.	
67) sec-Butylbenzene	9.47	105	54		N.D.	
68) p-Isopropyltoluene	9.60	119	61		N.D.	
69) 1,3-Dichlorobenzene	0.00		0		N.D.	
70) 1,4-Dichlorobenzene	0.00		0		N.D.	
71) 1,2-Dichlorobenzene	0.00		0		N.D.	
72) 1,2-Dibromo-3-chloropr...	0.00		0		N.D.	
73) 1,2,4-Trichlorobenzene	0.00		0		N.D.	
74) Hexachlorobutadiene	0.00		0		N.D.	
75) Naphthalene	11.83	128	58	0.083 ppb		69
76) 1,2,3-Trichlorobenzene	0.00		0		N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS13\11-18-22\
Data File : 111849.D
Acq On : 19 Nov 2022 02:38 am
Operator : LM
Sample : 211237-05 1/0.25
Misc : soil
ALS Vial : 42 Sample Multiplier: 1
InstName : GCMS13

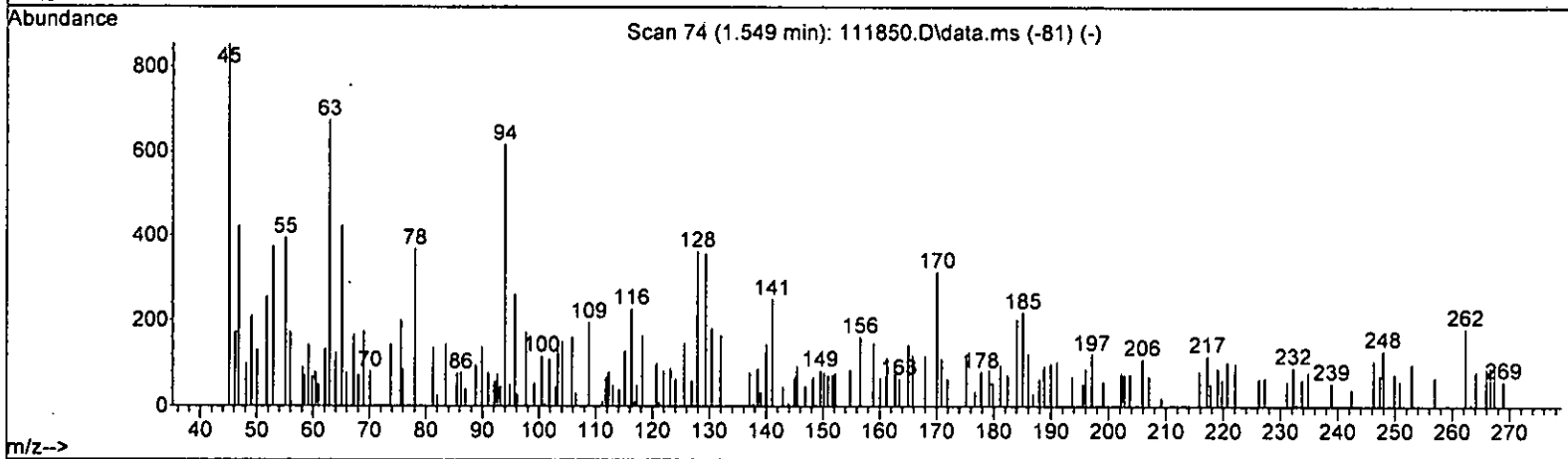
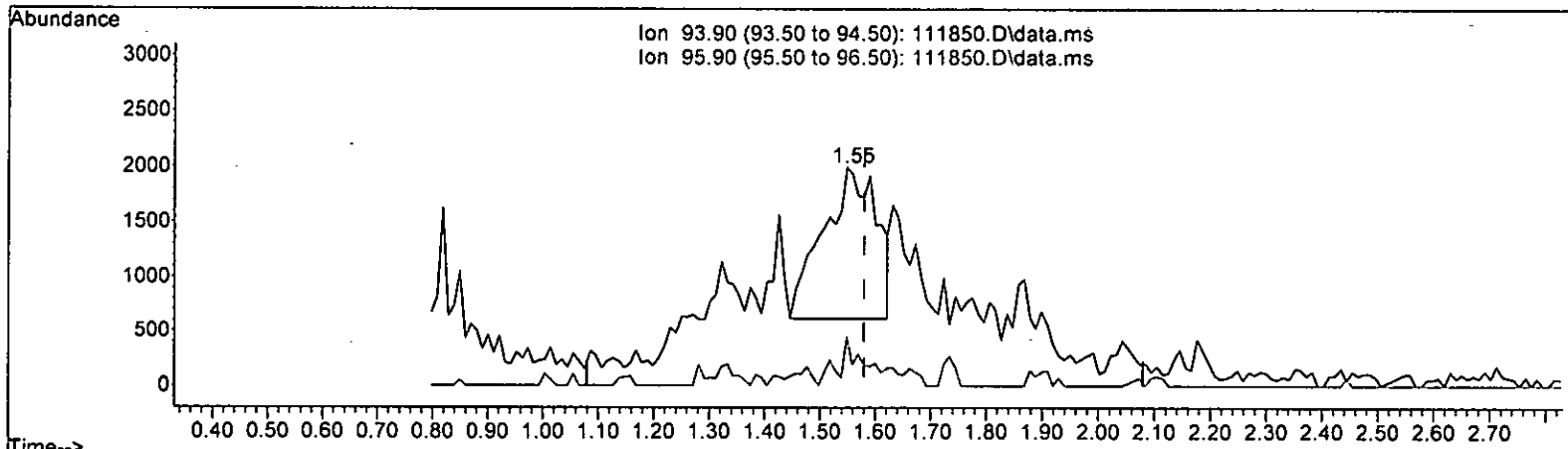
Quant Time: Nov 21 09:46:59 2022
Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
QLast Update : Mon Nov 07 15:16:10 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M



Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111850.D
 Acq On : 19 Nov 2022 03:02 am
 Operator : LM
 Sample : 211237-07 1/0.25
 Misc : soil
 ALS Vial : 43 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:47:03 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 111850.D\data.ms

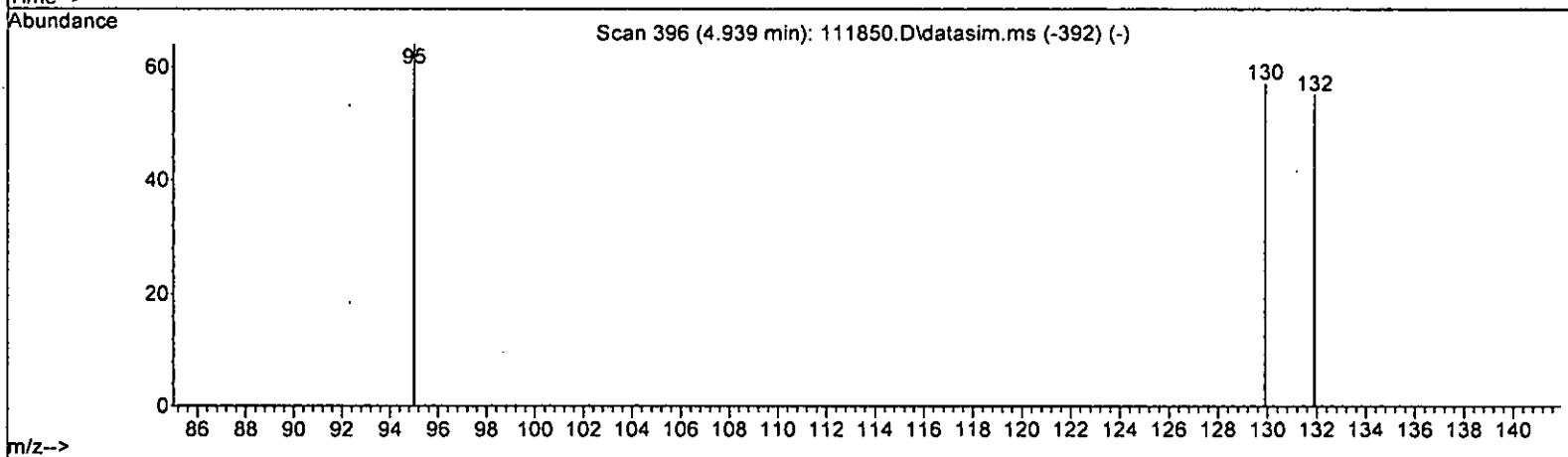
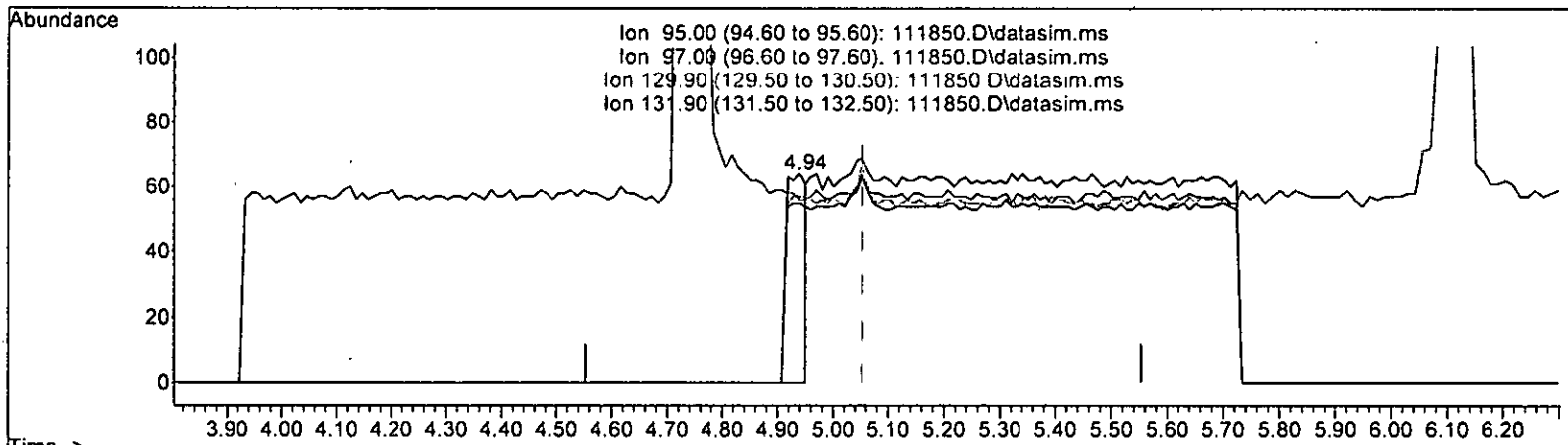
(7) Bromomethane (TMP)
 1.549min (-0.031) 2.097 ppb

response	9275
Ion	Exp% Act%
93.90	100.00 100.00
95.90	93.50 26.18#
0.00	0.00 0.00
0.00	0.00 0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111850.D
 Acq On : 19 Nov 2022 03:02 am
 Operator : LM
 Sample : 211237-07 1/0.25
 Misc : soil
 ALS Vial : 43 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:47:03 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 111850.D\data.ms

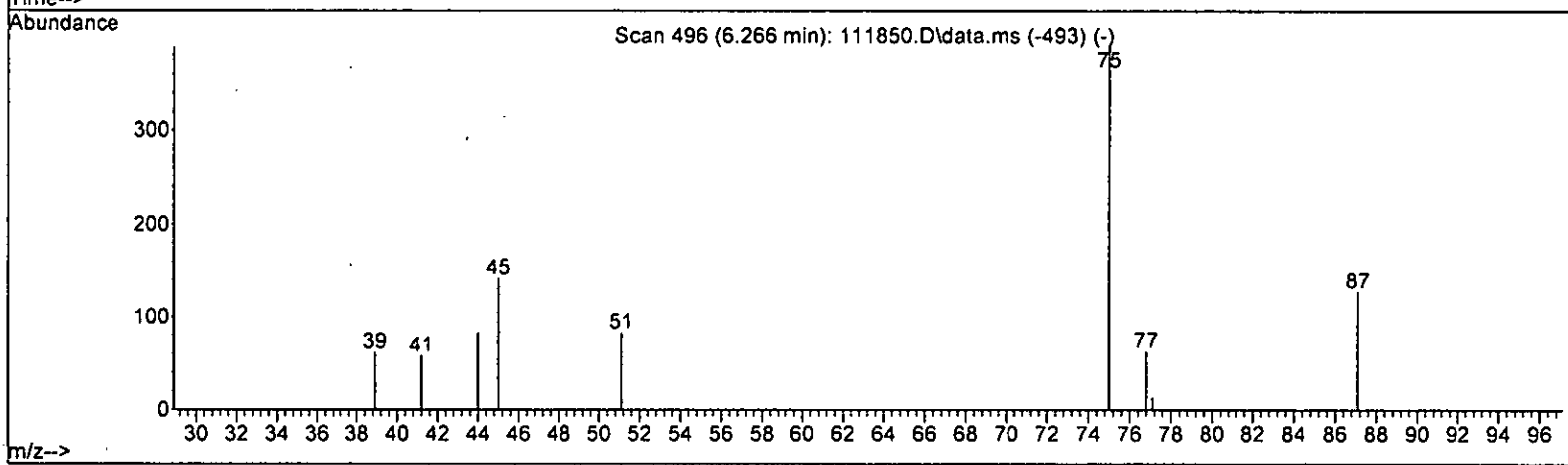
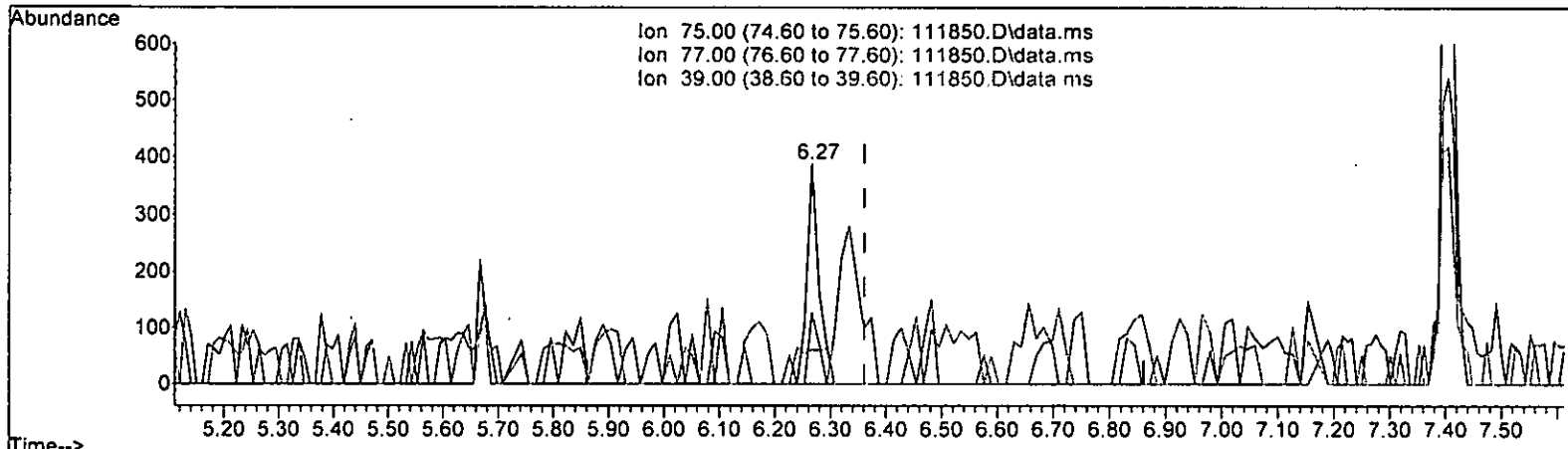
(32) Trichloroethene (TMP)
 4.939min (-0.114) 0.043 ppb
 response 160

Ion	Exp%	Act%
95.00	100.00	100.00
97.00	64.60	0.00#
129.90	103.40	89.06
131.90	95.80	85.94

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111850.D
 Acq On : 19 Nov 2022 03:02 am
 Operator : LM
 Sample : 211237-07 1/0.25
 Misc : soil
 ALS Vial : 43 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:47:03 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 111850.D\data.ms

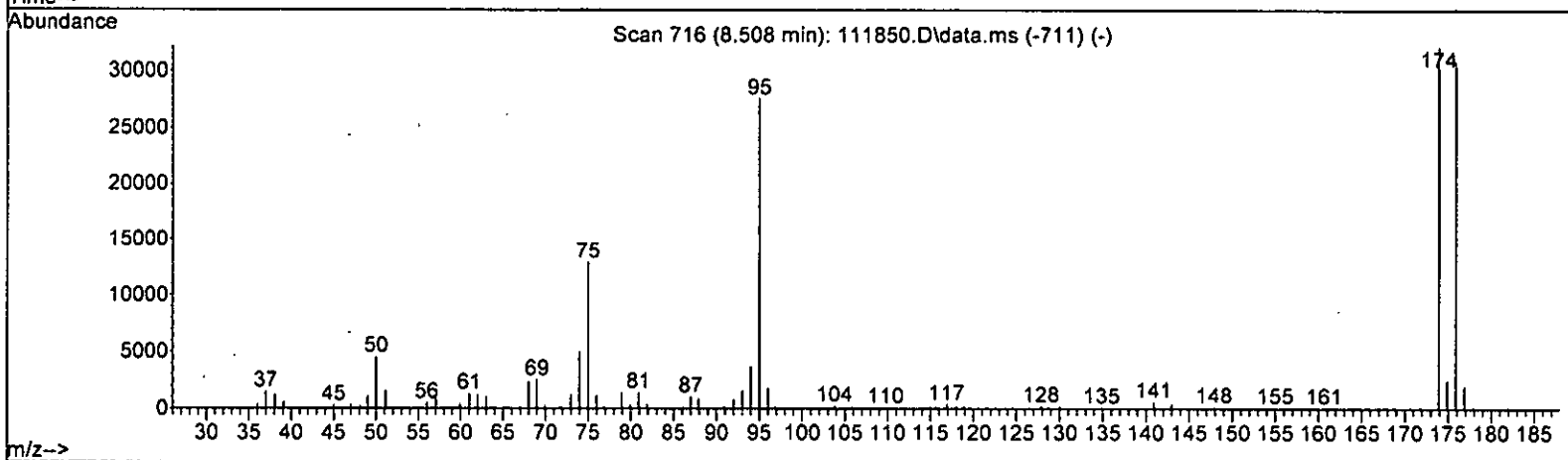
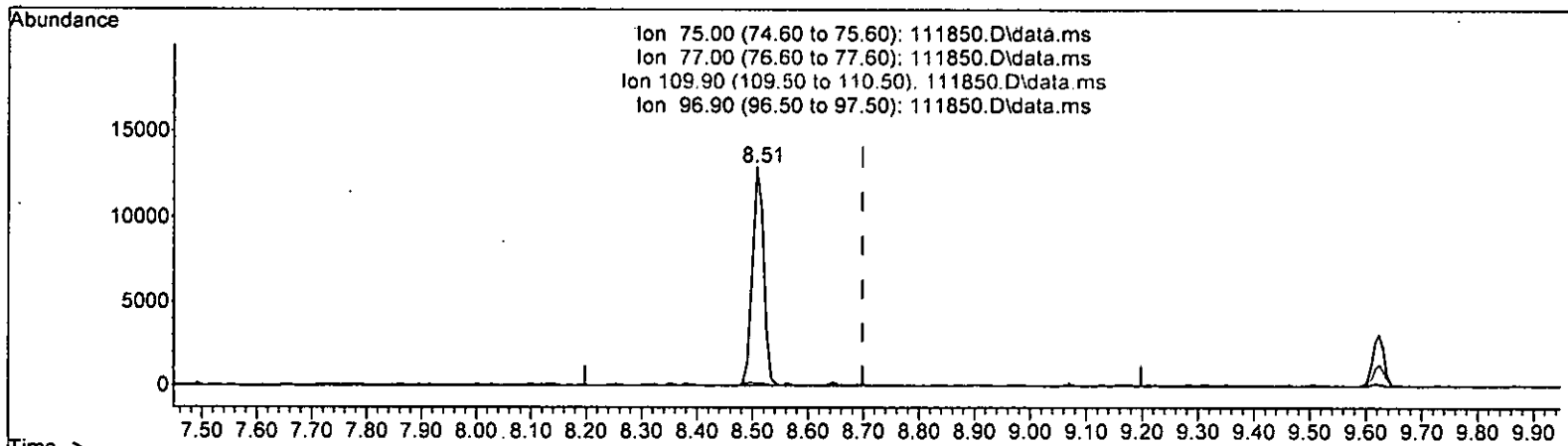
(41) trans-1,3-Dichloropropene (TMP)
 6.266min (-0.095) 0.177 ppb
 response 583

Ion	Exp%	Act%
75.00	100.00	100.00
77.00	32.60	19.33
39.00	46.30	15.72#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111850.D
 Acq On : 19 Nov 2022 03:02 am
 Operator : LM
 Sample : 211237-07 1/0.25
 Misc : soil
 ALS Vial : 43 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:47:03 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 Qlast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 111850.D\data.ms

(62) 1,2,3-Trichloropropane (TMP)

8.508min (-0.190) 6.367 ppb

response 18221

Ion	Exp%	Act%
75.00	100.00	100.00
77.00	34.00	1.19#
109.90	36.50	0.65#
96.90	22.60	0.57

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111850.D
 Acq On : 19 Nov 2022 03:02 am
 Operator : LM
 Sample : 211237-07 1/0.25
 Misc : soil
 ALS Vial : 43 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:47:03 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

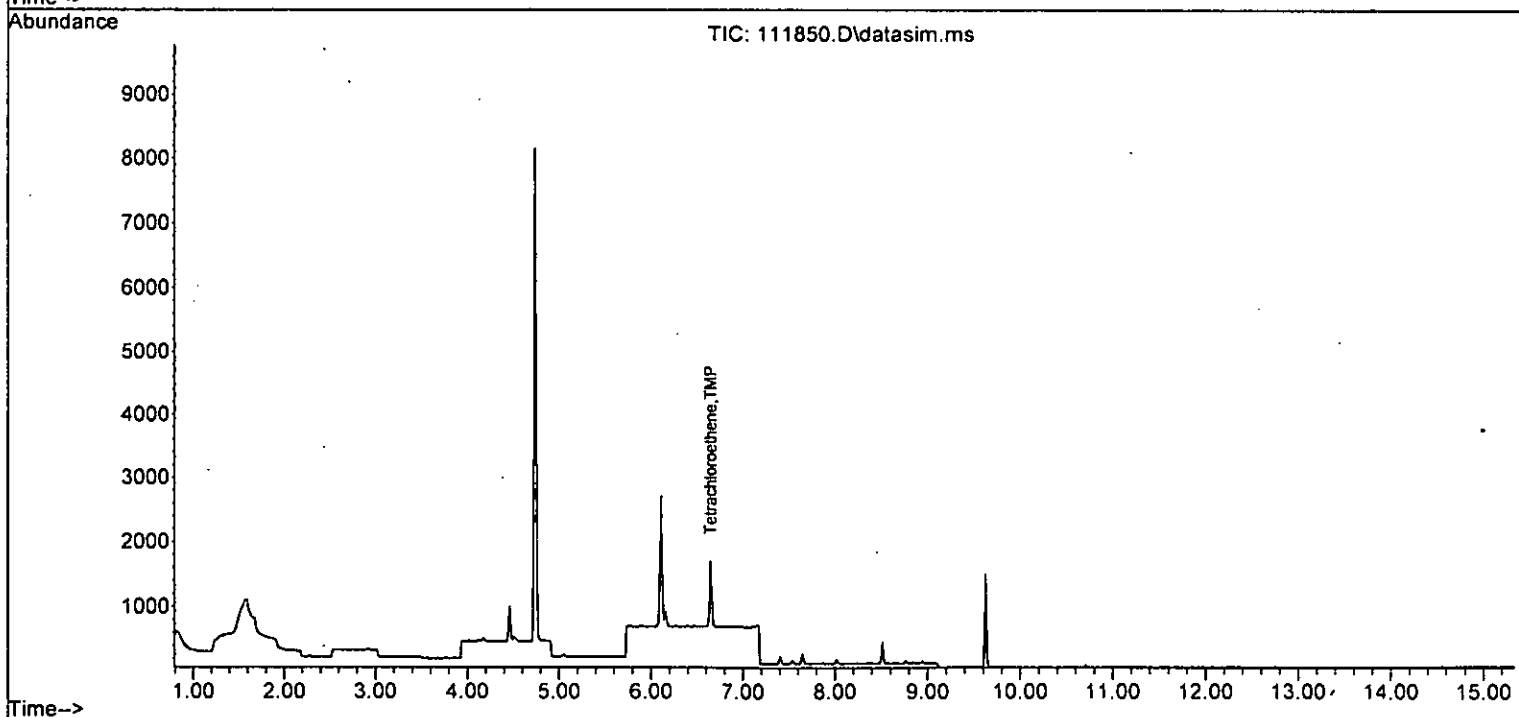
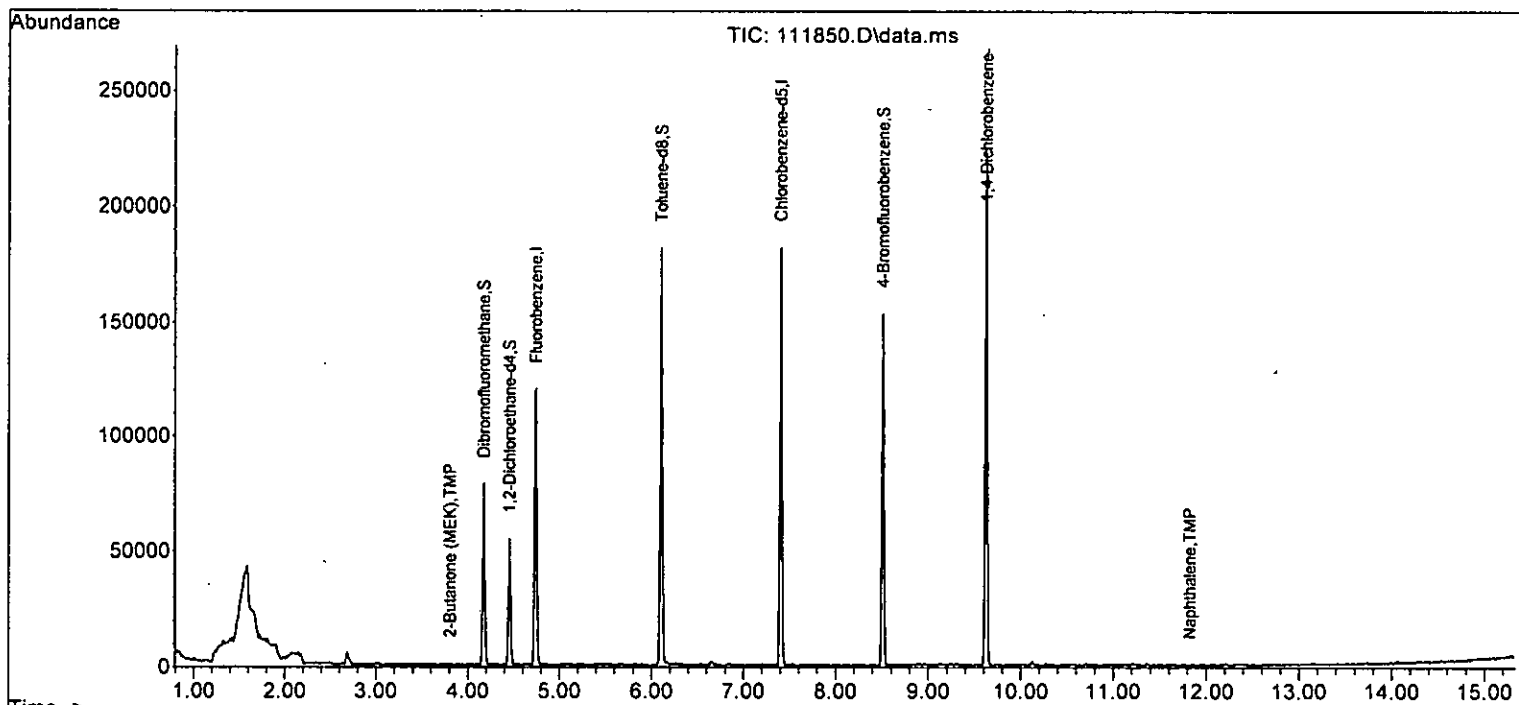
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

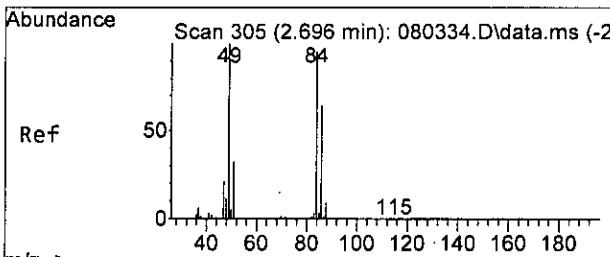
Internal Standards						
1) Fluorobenzene	4.75	96	102361	10.000	ppb	0.00
39) Chlorobenzene-d5	7.40	117	97130	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	58863	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.17	113	34702	10.572	ppb	0.00
Spiked Amount	10.000	Range 50 - 150	Recovery	=	105.70%	
30) 1,2-Dichloroethane-d4	4.45	102	6456	10.149	ppb	0.00
Spiked Amount	10.000	Range 84 - 120	Recovery	=	101.50%	
35) Toluene-d8	6.11	98	100844	10.330	ppb	0.00
Spiked Amount	10.000	Range 73 - 128	Recovery	=	103.30%	
57) 4-Bromofluorobenzene	8.51	95	38059	9.384	ppb	0.00
Spiked Amount	10.000	Range 57 - 146	Recovery	=	93.80%	
Target Compounds						
14) Methylene chloride	2.68	84	2972	Below Cal		Qvalue 95
24) 2-Butanone (MEK)	3.81	43	731	0.314	ppb	55
26] 1,2-Dichloroethane (EDC)	4.52	62	75	Below Cal		97
40] Toluene	6.16	92	107	Below Cal		99
42] 1,1,2-Trichloroethane	6.50	83	22	Below Cal	#	42
45] Tetrachloroethene	6.65	164	391	0.082	ppb	87
75) Naphthalene	11.82	128	50	0.083	ppb	69

(#) = qualifier out of range (m) = manual integration (+) = signals summed

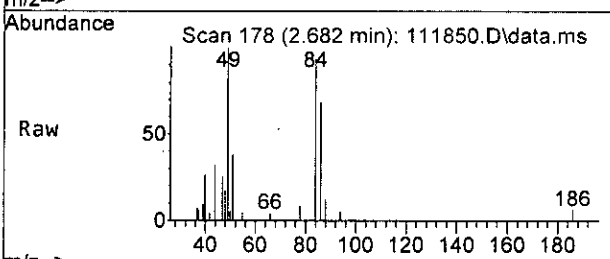
Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111850.D
 Acq On : 19 Nov 2022 03:02 am
 Operator : LM
 Sample : 211237-07 1/0.25
 Misc : soil
 ALS Vial : 43 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:47:03 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

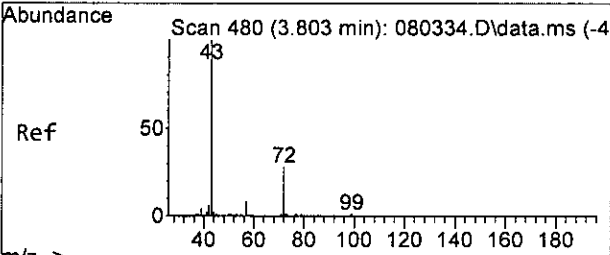
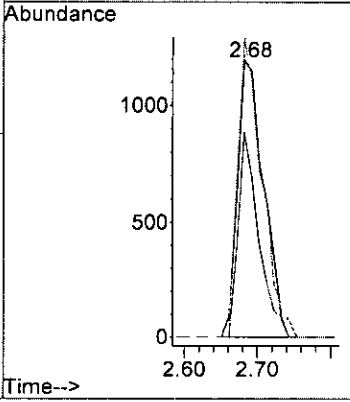
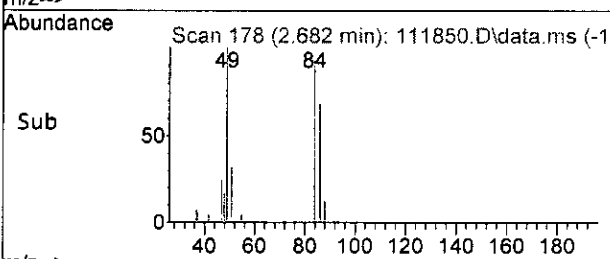




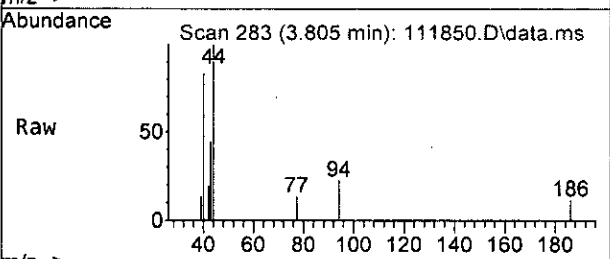
#14
 Methylene chloride
 Concen: Below Cal
 RT: 2.68 min Scan# 178
 Delta R.T. -0.000 min
 Lab File: 111850.D
 Acq: 19 Nov 2022 03:02 am



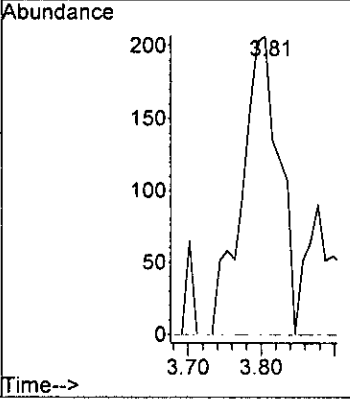
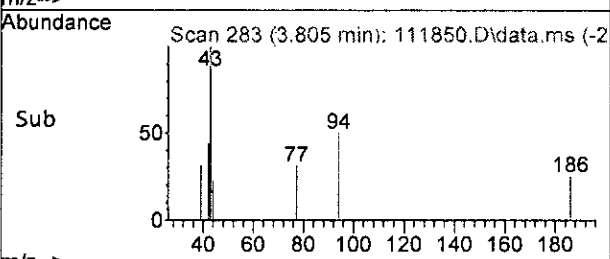
Tgt Ion: 84 Resp: 2972
 Ion Ratio Lower Upper
 84 100
 86 74.0 37.1 97.1
 49 108.0 81.3 141.3

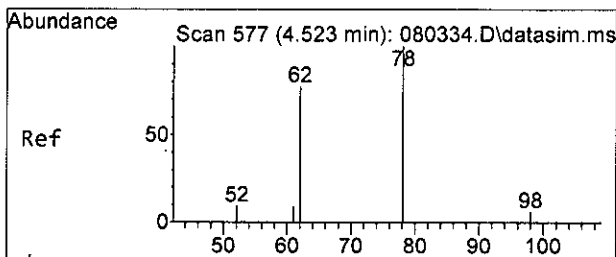


#24
 2-Butanone (MEK)
 Concen: 0.314 ppb
 RT: 3.81 min Scan# 283
 Delta R.T. 0.010 min
 Lab File: 111850.D
 Acq: 19 Nov 2022 03:02 am



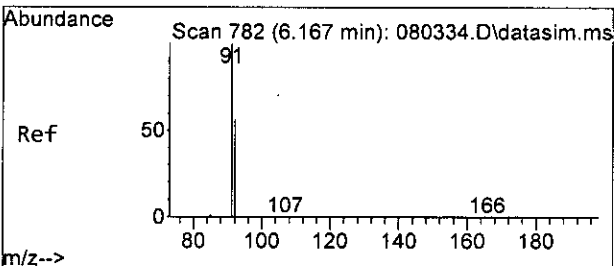
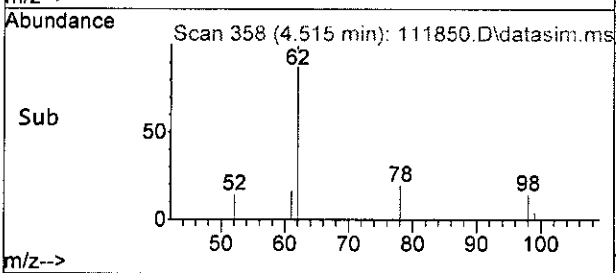
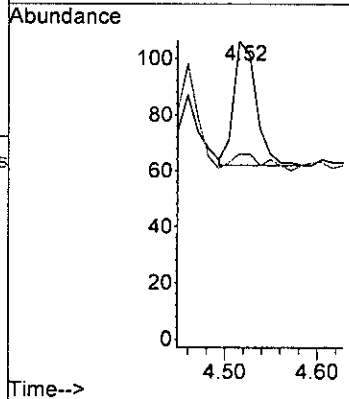
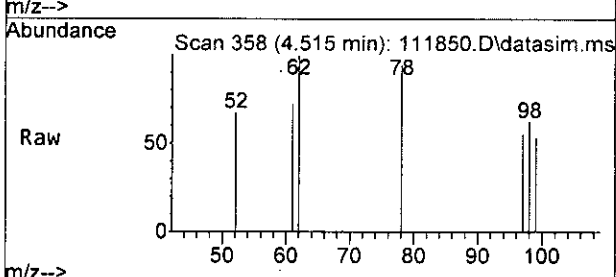
Tgt Ion: 43 Resp: 731
 Ion Ratio Lower Upper
 43 100
 72 0.0 0.0 57.0
 57 0.0 0.0 28.0





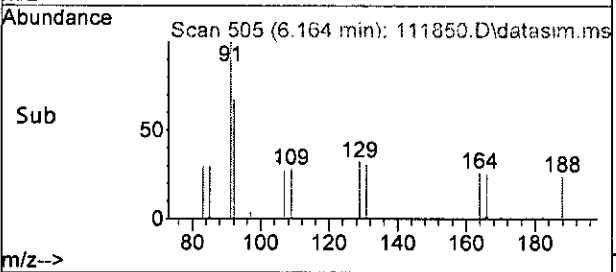
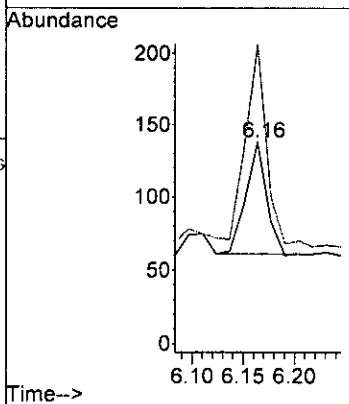
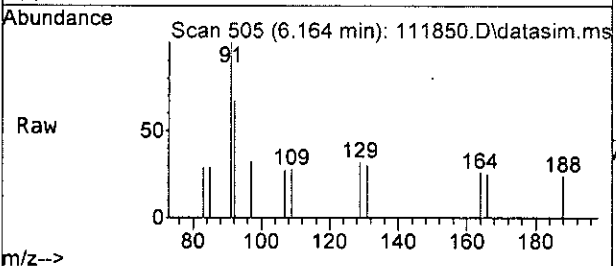
#26
 1,2-Dichloroethane (EDC)
 Concen: Below Cal
 RT: 4.52 min Scan# 358
 Delta R.T. -0.012 min
 Lab File: 111850.D
 Acq: 19 Nov 2022 03:02 am

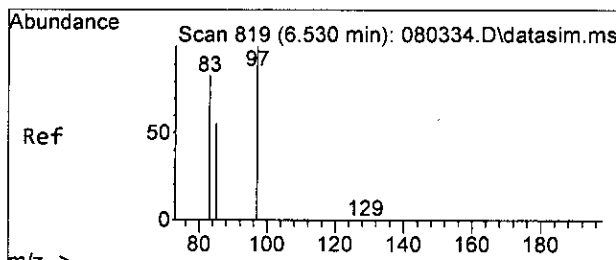
Tgt Ion: 62 Resp: 75
 Ion Ratio Lower Upper
 62 100
 98 11.4 0.0 40.1



#40
 Toluene
 Concen: Below Cal
 RT: 6.16 min Scan# 505
 Delta R.T. -0.000 min
 Lab File: 111850.D
 Acq: 19 Nov 2022 03:02 am

Tgt Ion: 92 Resp: 107
 Ion Ratio Lower Upper
 92 100
 91 176.6 148.5 208.5

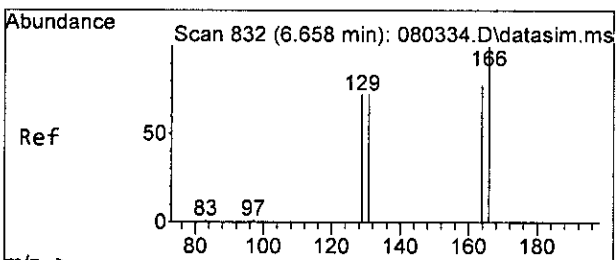
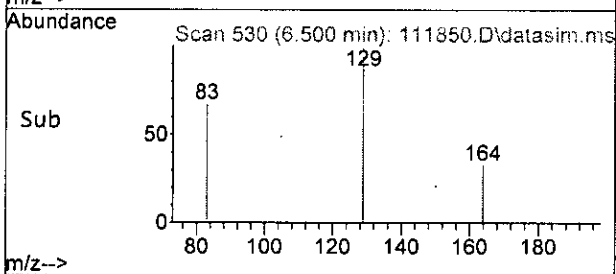
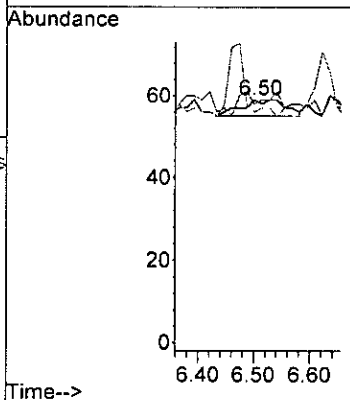
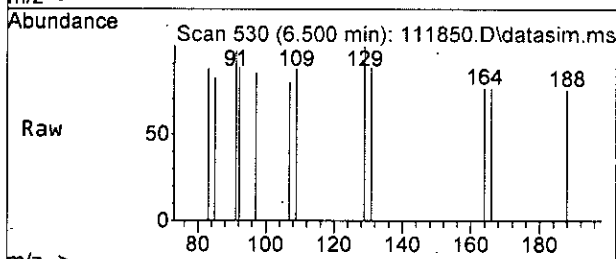




#42
 1,1,2-Trichloroethane
 Concen: Below Cal
 RT: 6.50 min Scan# 530
 Delta R.T. -0.027 min
 Lab File: 111850.D
 Acq: 19 Nov 2022 03:02 am

Tgt Ion: 83 Resp: 22

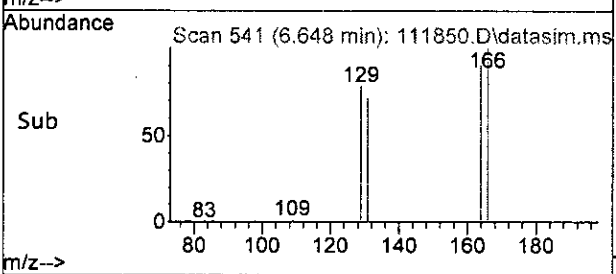
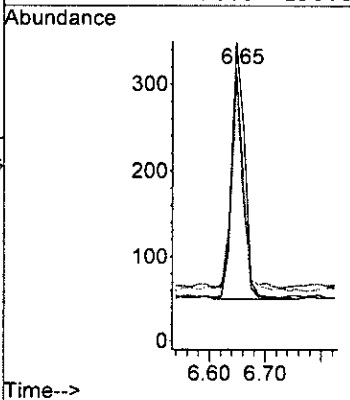
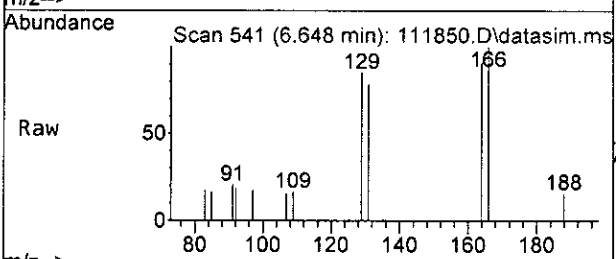
Ion	Ratio	Lower	Upper
83	100		
97	50.0	88.0	148.0#
85	25.0	35.3	95.3#

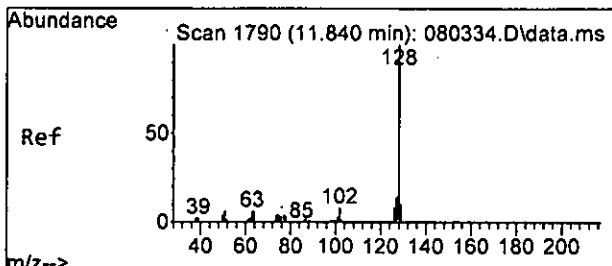


#45
 Tetrachloroethene
 Concen: 0.082 ppb
 RT: 6.65 min Scan# 541
 Delta R.T. -0.000 min
 Lab File: 111850.D
 Acq: 19 Nov 2022 03:02 am

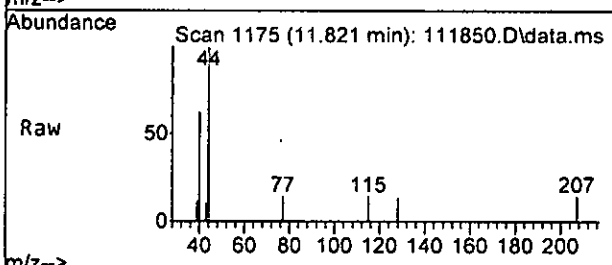
Tgt Ion: 164 Resp: 391

Ion	Ratio	Lower	Upper
164	100		
129	87.3	72.1	132.1
131	78.0	64.8	124.8
166	110.8	90.0	150.0



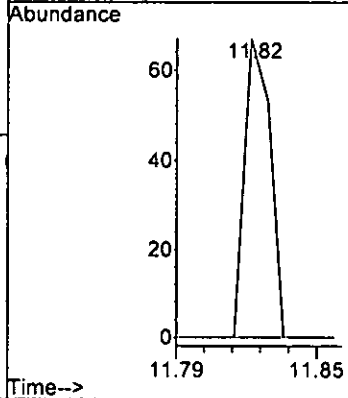
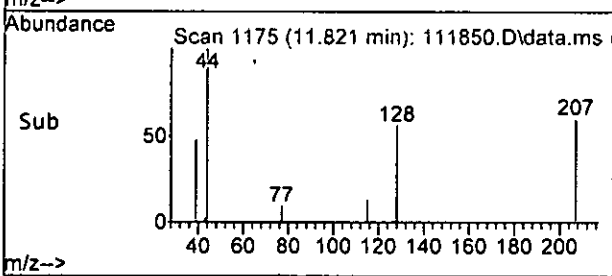


#75
 Naphthalene
 Concen: 0.083 ppb
 RT: 11.82 min Scan# 1175
 Delta R.T. -0.014 min
 Lab File: 111850.D
 Acq: 19 Nov 2022 03:02 am



Tgt Ion: 128 Resp: 50

Ion	Ratio	Lower	Upper
128	100		
129	0.0	0.0	40.8
127	0.0	0.0	43.1



Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111850.D
 Acq On : 19 Nov 2022 03:02 am
 Operator : LM
 Sample : 211237-07 1/0.25
 Misc : soil
 ALS Vial : 43 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:47:03 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	4.75	96	102361	10.000	ppb	0.00	
39) Chlorobenzene-d5	7.40	117	97130	10.000	ppb	0.00	
56) 1,4-Dichlorobenzene-d4	9.62	152	58863	10.000	ppb	0.00	
System Monitoring Compounds							
3) Dibromofluoromethane	4.17	113	34702	10.572	ppb	0.00	
Spiked Amount	10.000	Range	50 - 150	Recovery	=	105.70%	
30) 1,2-Dichloroethane-d4	4.45	102	6456	10.149	ppb	0.00	
Spiked Amount	10.000	Range	84 - 120	Recovery	=	101.50%	
35) Toluene-d8	6.11	98	100844	10.330	ppb	0.00	
Spiked Amount	10.000	Range	73 - 128	Recovery	=	103.30%	
57) 4-Bromofluorobenzene	8.51	95	38059	9.384	ppb	0.00	
Spiked Amount	10.000	Range	57 - 146	Recovery	=	93.80%	
Target Compounds							
							Qvalue
2) Ethanol	2.34	45	85	No Calib			
4) Dichlorodifluoromethane	0.00		0	N.D.			
5) Chloromethane	1.24	50	222	N.D.			
6) Vinyl chloride	0.00		0	N.D.			
7) Bromomethane	0.00		0	N.D. d			
8) Chloroethane	0.00		0	N.D.			
9) Trichlorofluoromethane	0.00		0	N.D.			
10) 2-Propanol	2.34	45	85	No Calib	#		
11) Acetone	0.00		0	N.D.			
12) 1,1-Dichloroethene	0.00		0	N.D.			
13) Hexane	3.16	57	137	N.D.			
14) Methylene chloride	2.68	84	2972	Below Cal		95	
15) t-Butyl alcohol (TBA)	0.00		0	N.D.			
16) Methyl t-butyl ether (...)	0.00		0	N.D.			
17) trans-1,2-Dichloroethene	0.00		0	N.D.			
18) Diisopropyl ether (DIPE)	0.00		0	N.D.			
19) 1,1-Dichloroethane	0.00		0	N.D.			
20) Ethyl t-butyl ether (E...)	0.00		0	N.D.			
21) 2,2-Dichloropropane	3.76	77	241	N.D.			
22) cis-1,2-Dichloroethene	0.00		0	N.D.			
23) Chloroform	0.00		0	N.D.			
24) 2-Butanone (MEK)	3.81	43	731	0.314	ppb	55	
25) t-Amyl methyl ether (T...)	0.00		0	N.D.			
26] 1,2-Dichloroethane (EDC)	4.52	62	75	Below Cal		97	
27) 1,1,1-Trichloroethane	0.00		0	N.D.			
28) 1,1-Dichloropropene	0.00		0	N.D.			
29) Carbon tetrachloride	0.00		0	N.D.			
31) Benzene	0.00		0	N.D.			
32) Trichloroethene	0.00		0	N.D. d			
33) 1,2-Dichloropropane	0.00		0	N.D.			
34) Bromodichloromethane	0.00		0	N.D.			
36) Dibromomethane	0.00		0	N.D.			

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111850.D
 Acq On : 19 Nov 2022 03:02 am
 Operator : LM
 Sample : 211237-07 1/0.25
 Misc : soil
 ALS Vial : 43 Sample Multiplier: 1
 InstName : GCMS13

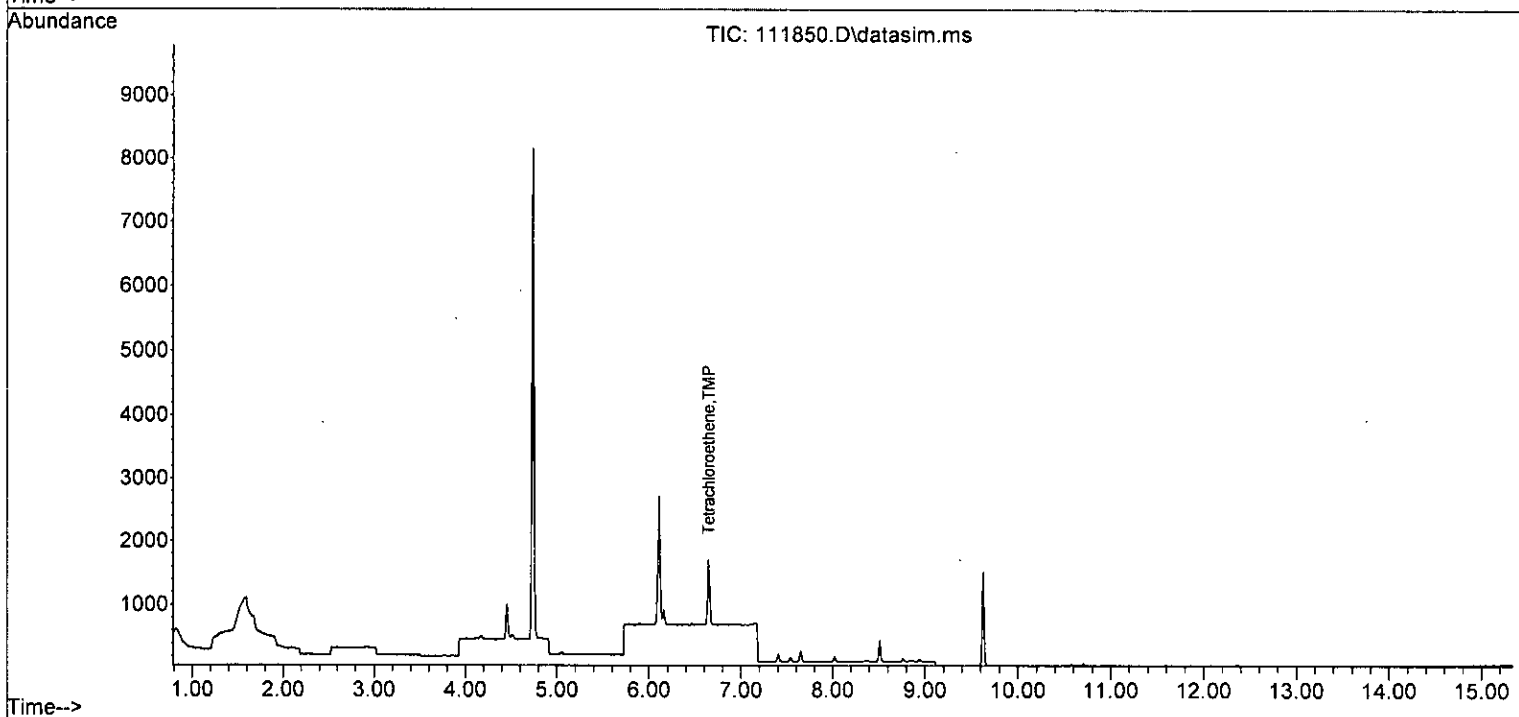
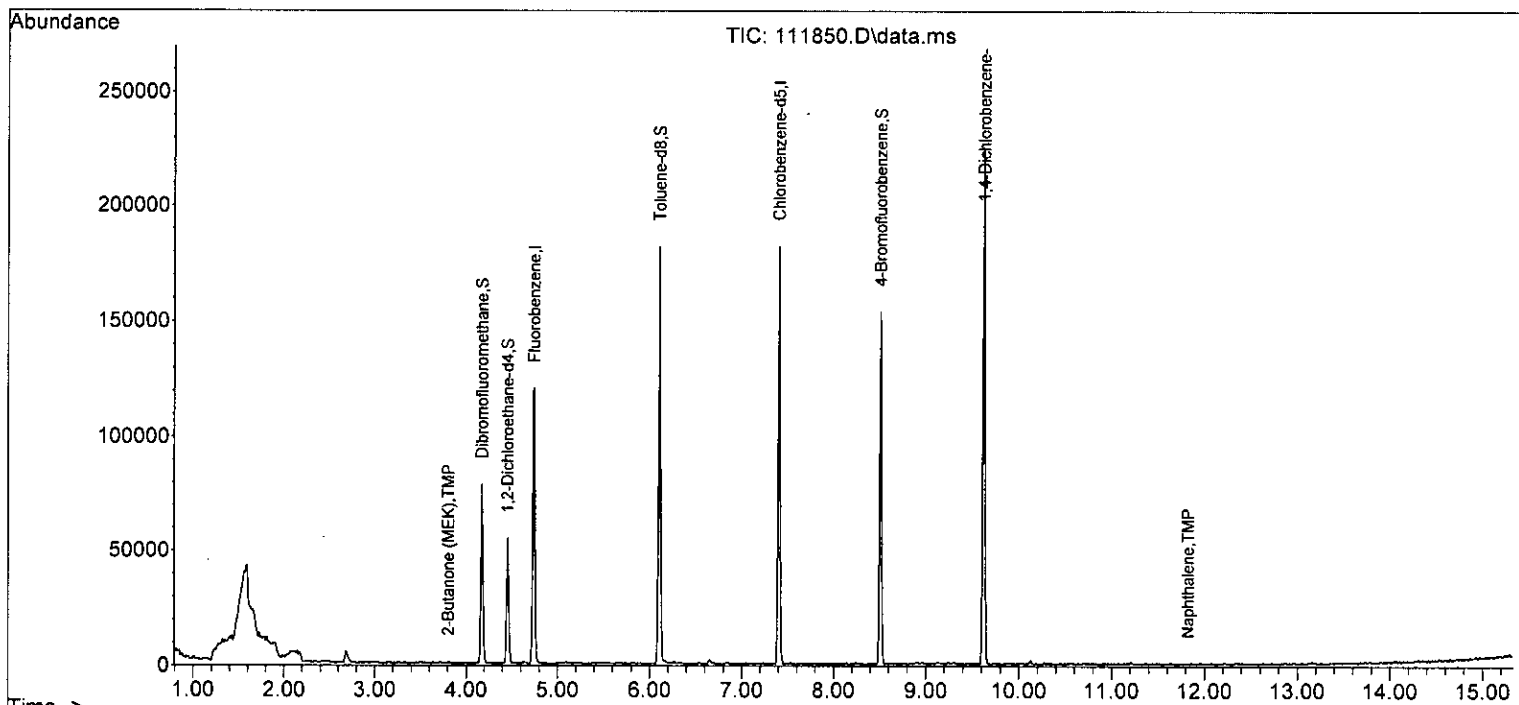
Quant Time: Nov 21 09:47:03 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.00		0		N.D.	
38) cis-1,3-Dichloropropene	0.00		0		N.D.	
40] Toluene	6.16	92	107	Below Cal		99
41) trans-1,3-Dichloropropene	0.00		0		N.D. d	
42] 1,1,2-Trichloroethane	6.50	83	22	Below Cal	#	42
43) 2-Hexanone	6.80	43	156		N.D.	
44) 1,3-Dichloropropane	0.00		0		N.D.	
45] Tetrachloroethene	6.65	164	391	0.082	ppb	87
46) Dibromochloromethane	0.00		0		N.D.	
47) 1,2-Dibromoethane (EDB)	0.00		0		N.D.	
48) Chlorobenzene	0.00		0		N.D.	
49) Ethylbenzene	7.54	91	66		N.D.	
50) 1,1,1,2-Tetrachloroethane	0.00		0		N.D.	
51) m,p-Xylene	7.54	106	25		N.D.	
52) o-Xylene	8.02	106	40		N.D.	
53) Styrene	0.00		0		N.D.	
54) Isopropylbenzene	8.37	105	85		N.D.	
55) Bromoform	0.00		0		N.D.	
58) n-Propylbenzene	0.00		0		N.D.	
59) Bromobenzene	0.00		0		N.D.	
60) 1,3,5-Trimethylbenzene	8.88	105	32		N.D.	
61) 1,1,2,2-Tetrachloroethane	0.00		0		N.D.	
62) 1,2,3-Trichloropropane	0.00		0		N.D. d	
63) 2-Chlorotoluene	0.00		0		N.D.	
64) 4-Chlorotoluene	0.00		0		N.D.	
65) tert-Butylbenzene	0.00		0		N.D.	
66) 1,2,4-Trimethylbenzene	9.30	105	222		N.D.	
67) sec-Butylbenzene	9.46	105	23		N.D.	
68) p-Isopropyltoluene	9.57	119	22		N.D.	
69) 1,3-Dichlorobenzene	0.00		0		N.D.	
70) 1,4-Dichlorobenzene	0.00		0		N.D.	
71) 1,2-Dichlorobenzene	0.00		0		N.D.	
72) 1,2-Dibromo-3-chloropr...	0.00		0		N.D.	
73) 1,2,4-Trichlorobenzene	11.60	180	25		N.D.	
74) Hexachlorobutadiene	0.00		0		N.D.	
75) Naphthalene	11.82	128	50	0.083	ppb	69
76) 1,2,3-Trichlorobenzene	0.00		0		N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111850.D
 Acq On : 19 Nov 2022 03:02 am
 Operator : LM
 Sample : 211237-07 1/0.25
 Misc : soil
 ALS Vial : 43 Sample Multiplier: 1
 InstName : GCMS13

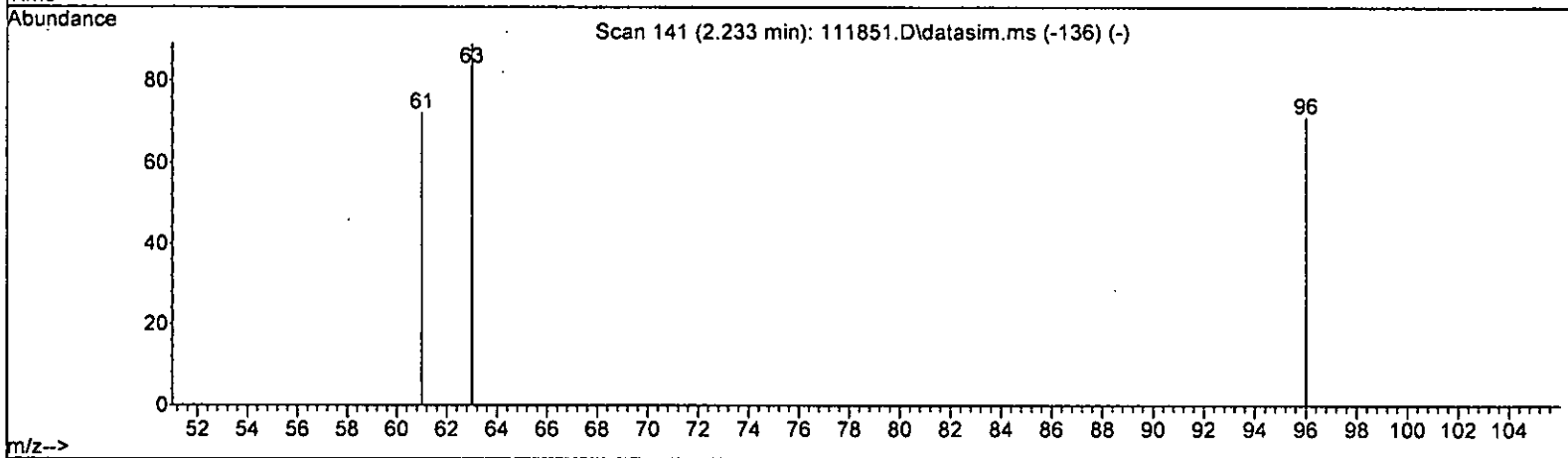
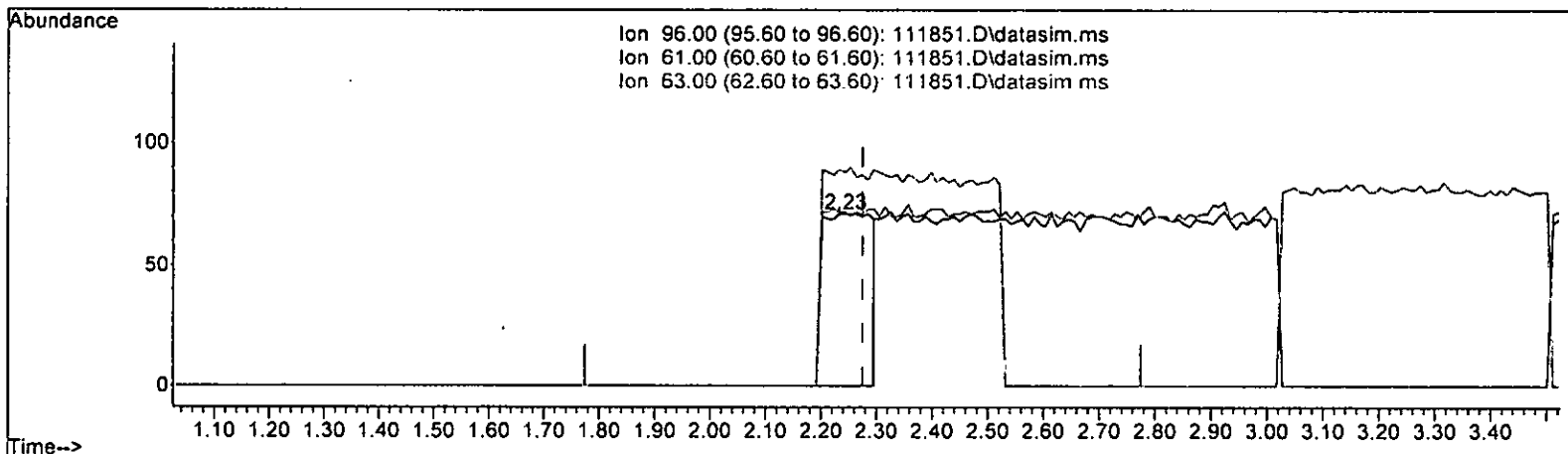
Quant Time: Nov 21 09:47:03 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111851.D
 Acq On : 19 Nov 2022 03:25 am
 Operator : LM
 Sample : 211237-08 1/0.25
 Misc : soil
 ALS Vial : 44 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:47:07 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



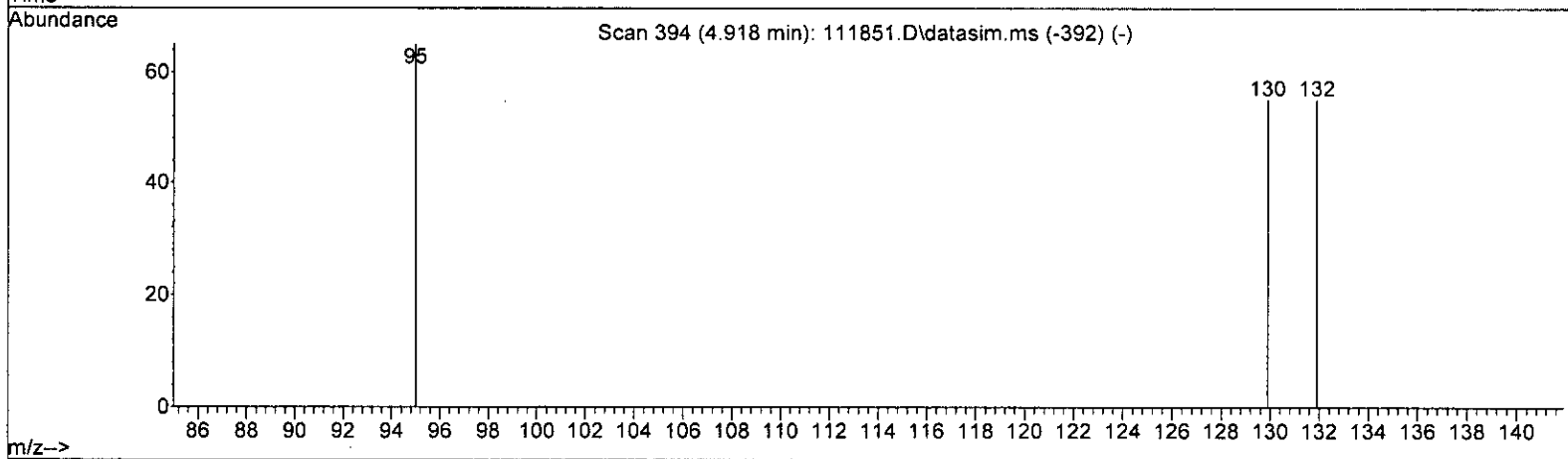
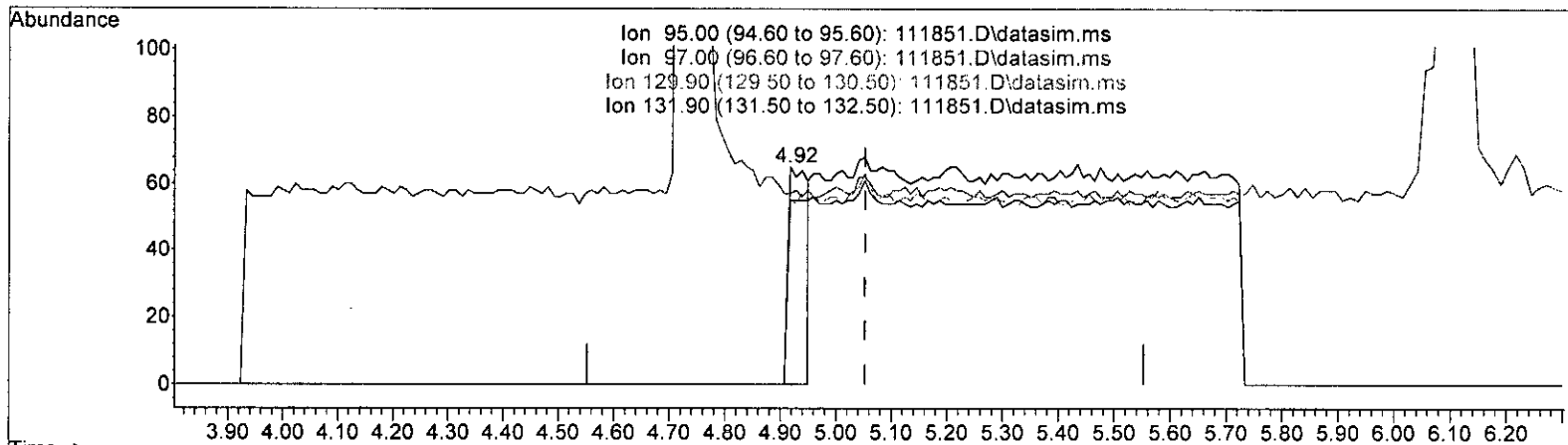
TIC: 111851.D\data.ms

(12) 1,1-Dichloroethene (TMP)		
2.233min (-0.042) 0.137 ppb		
response	434	
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	120.90	101.41
63.00	43.90	125.35#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111851.D
 Acq On : 19 Nov 2022 03:25 am
 Operator : LM
 Sample : 211237-08 1/0.25
 Misc : soil
 ALS Vial : 44 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:47:07 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



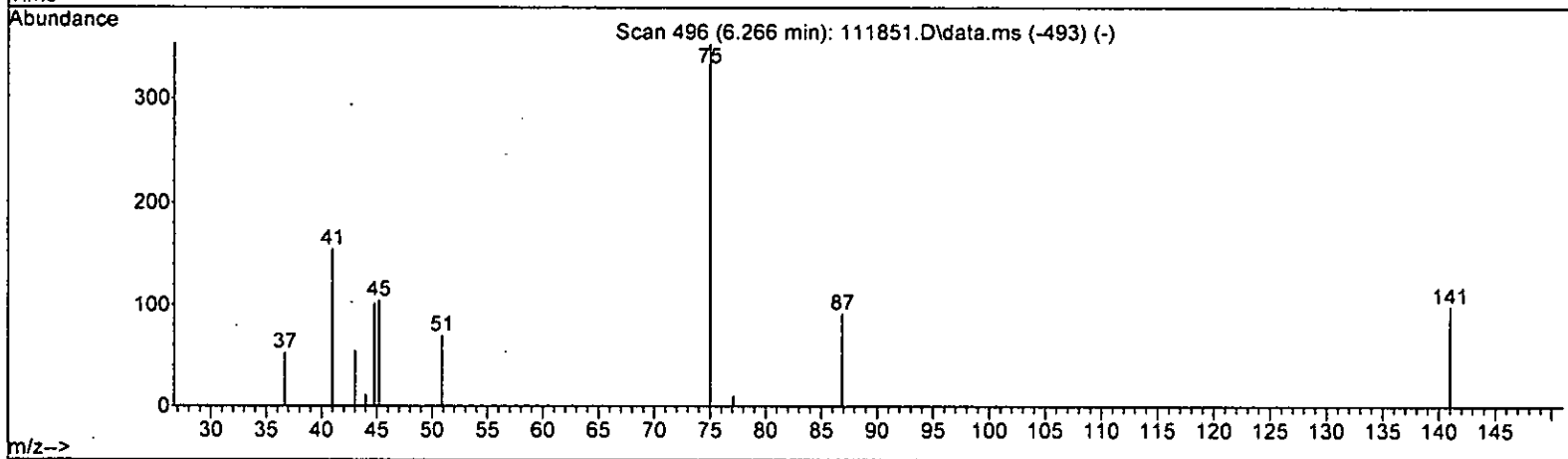
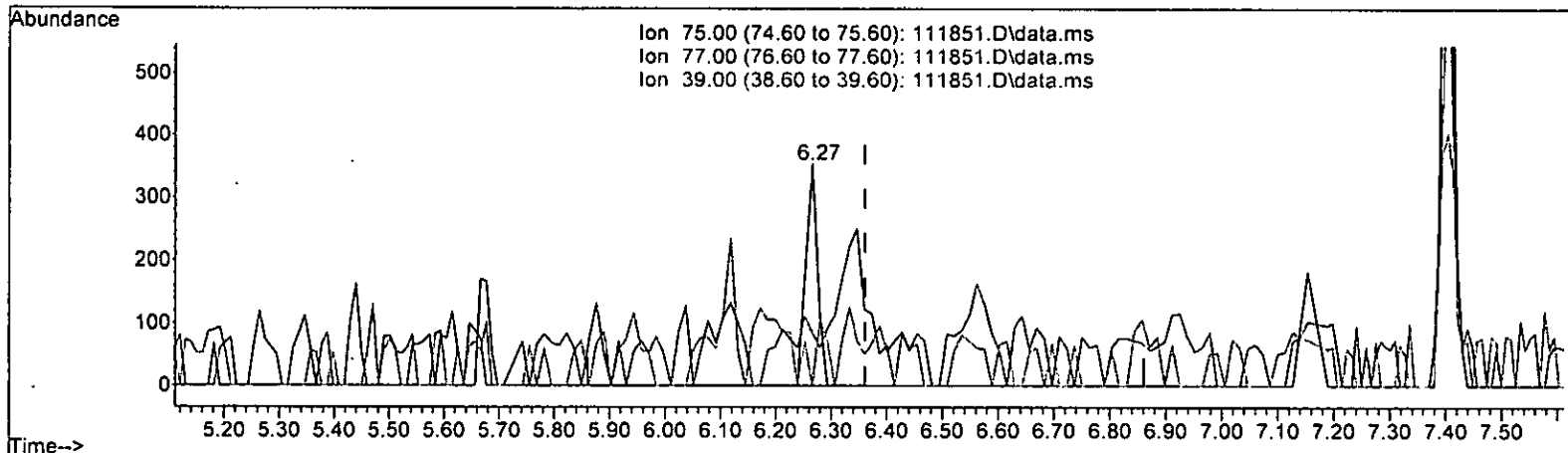
TIC: 111851.D\data.ms

(32) Trichloroethene (TMP)		
4.918min (-0.135) 0.040 ppb		
response	161	
Ion	Exp%	Act%
95.00	100.00	100.00
97.00	64.60	0.00#
129.90	103.40	84.62
131.90	95.80	84.62

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111851.D
 Acq On : 19 Nov 2022 03:25 am
 Operator : LM
 Sample : 211237-08 1/0.25
 Misc : soil
 ALS Vial : 44 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:47:07 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 111851.D\data.ms

(41) trans-1,3-Dichloropropene (TMP)
 6.266min (-0.095) 0.161 ppb
 response 515

Ion	Exp%	Act%
75.00	100.00	100.00
77.00	32.60	2.83
39.00	46.30	0.00#
0.00	0.00	0.00

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111851.D
 Acq On : 19 Nov 2022 03:25 am
 Operator : LM
 Sample : 211237-08 1/0.25
 Misc : soil
 ALS Vial : 44 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:47:07 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

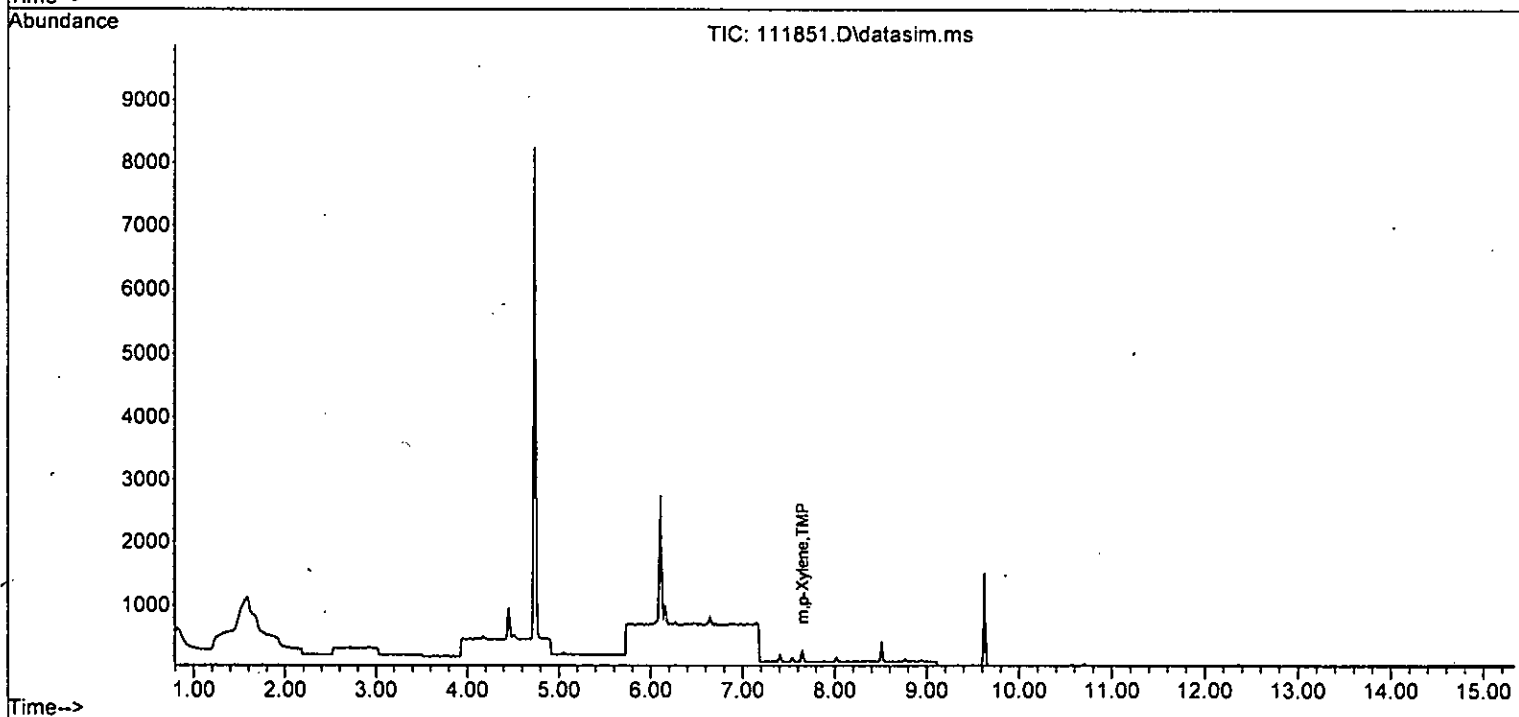
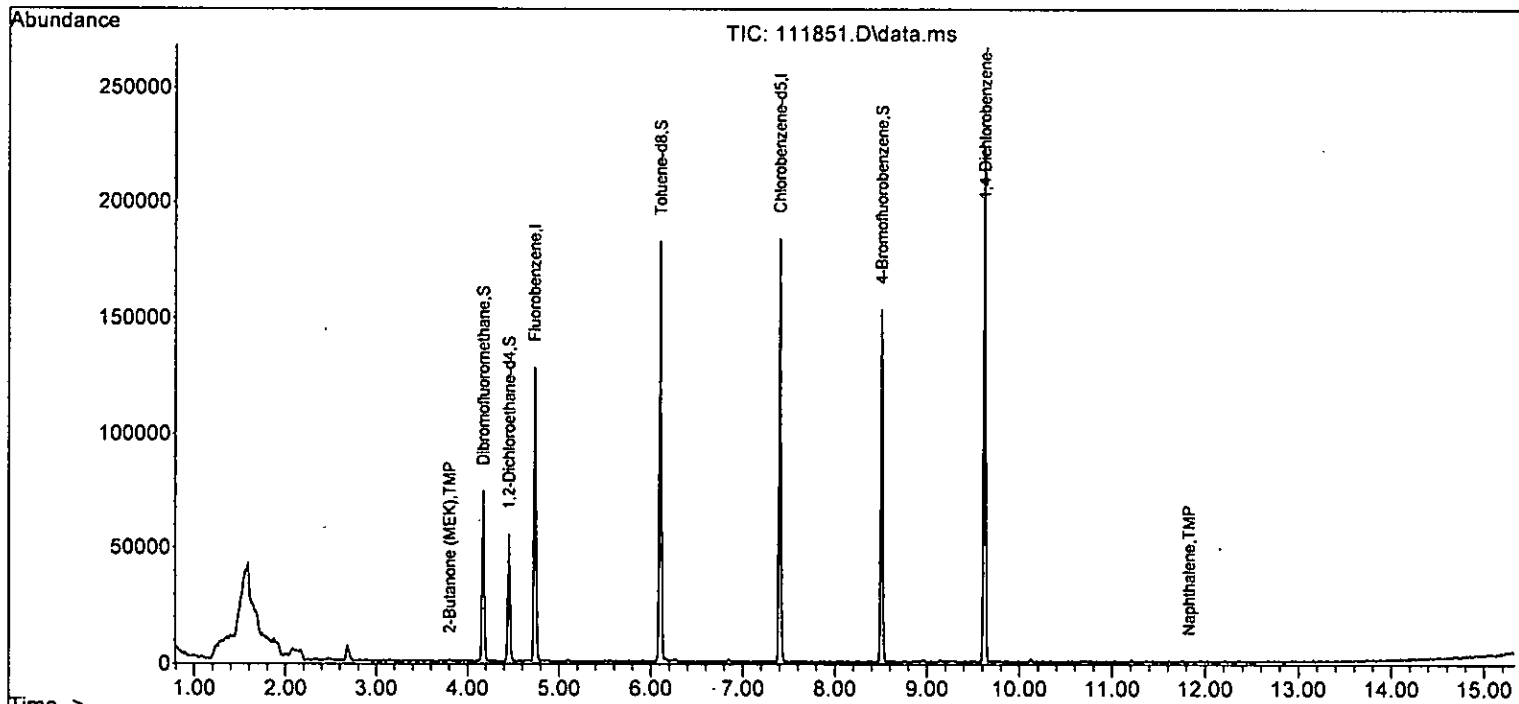
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

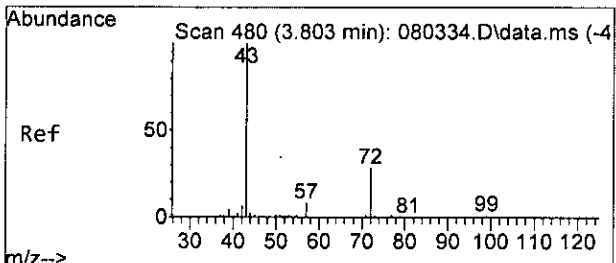
Internal Standards						
1) Fluorobenzene	4.73	96	111049	10.000	ppb	-0.01
39) Chlorobenzene-d5	7.40	117	94412	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	57236	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.17	113	33870	9.511	ppb	0.00
Spiked Amount	10.000	Range	50 - 150	Recovery	=	95.10%
30) 1,2-Dichloroethane-d4	4.45	102	6099	8.837	ppb	0.00
Spiked Amount	10.000	Range	84 - 120	Recovery	=	88.40%
35) Toluene-d8	6.10	98	98629	9.313	ppb	0.00
Spiked Amount	10.000	Range	73 - 128	Recovery	=	93.10%
57) 4-Bromofluorobenzene	8.51	95	38125	9.667	ppb	0.00
Spiked Amount	10.000	Range	57 - 146	Recovery	=	96.70%
Target Compounds						
11) Acetone	2.32	58	31	Below Cal	#	1
24) 2-Butanone (MEK)	3.80	43	517	0.114	ppb	81
26] 1,2-Dichloroethane (EDC)	4.52	62	73	Below Cal		97
42] 1,1,2-Trichloroethane	6.38	83	23	Below Cal	#	48
45] Tetrachloroethene	6.65	164	45	Below Cal		94
51] m,p-Xylene	7.65	106	104	0.018	ppb	# 80
75) Naphthalene	11.83	128	165	0.094	ppb	69

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS13\11-18-22\
Data File : 111851.D
Acq On : 19 Nov 2022 03:25 am
Operator : LM
Sample : 211237-08 1/0.25
Misc : soil
ALS Vial : 44 Sample Multiplier: 1
InstName : GCMS13

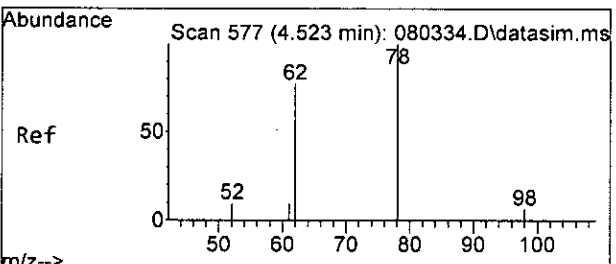
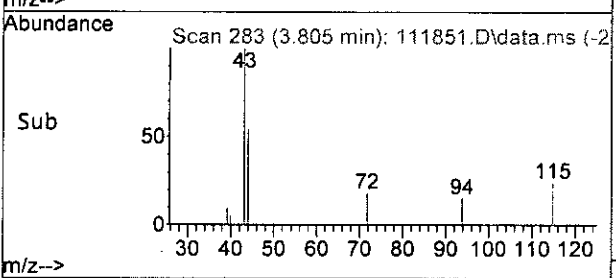
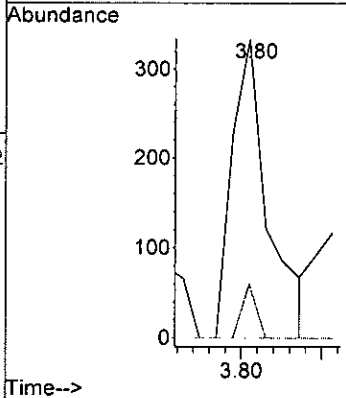
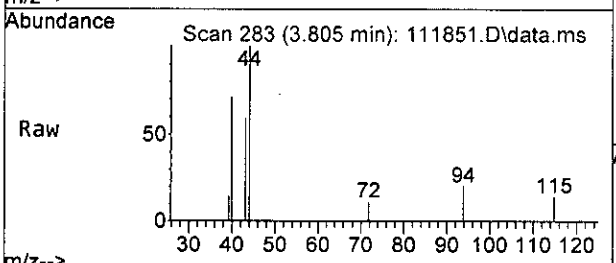
Quant Time: Nov 21 09:47:07 2022
Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
QLast Update : Mon Nov 07 15:16:10 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M





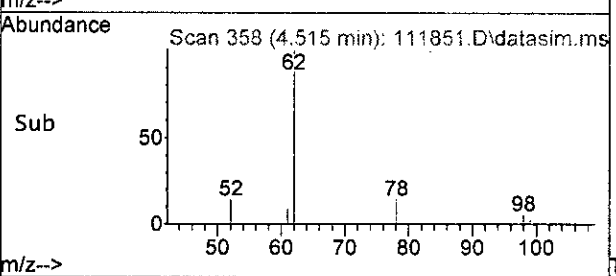
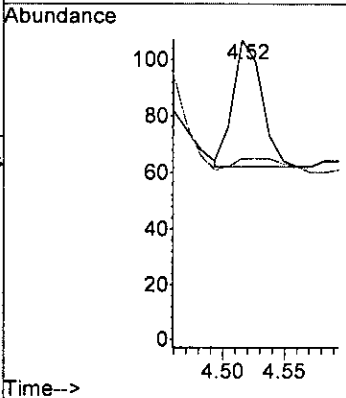
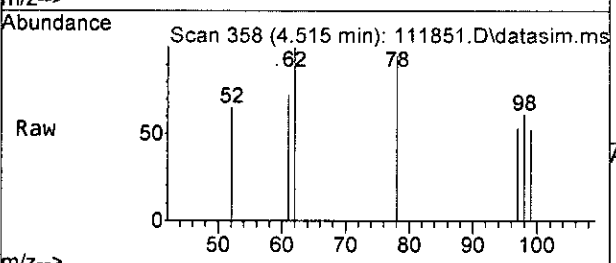
#24
 2-Butanone (MEK)
 Concen: 0.114 ppb
 RT: 3.80 min Scan# 283
 Delta R.T. 0.010 min
 Lab File: 111851.D
 Acq: 19 Nov 2022 03:25 am

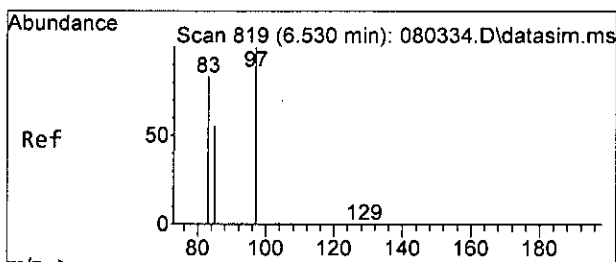
Tgt Ion:	Resp:	Lower	Upper
43	517	100	
72	18.0	0.0	57.0
57	0.0	0.0	28.0



#26
 1,2-Dichloroethane (EDC)
 Concen: Below Cal
 RT: 4.52 min Scan# 358
 Delta R.T. -0.012 min
 Lab File: 111851.D
 Acq: 19 Nov 2022 03:25 am

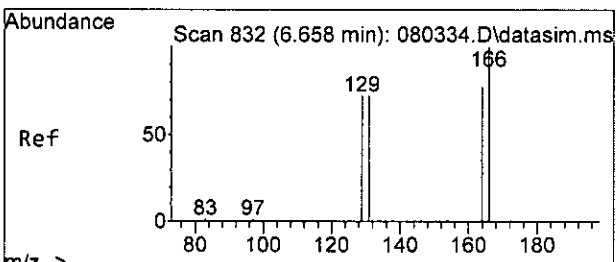
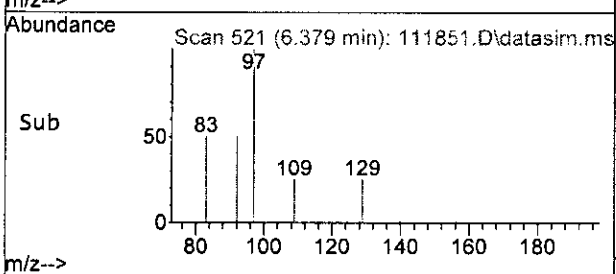
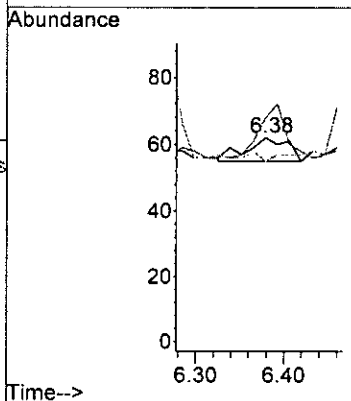
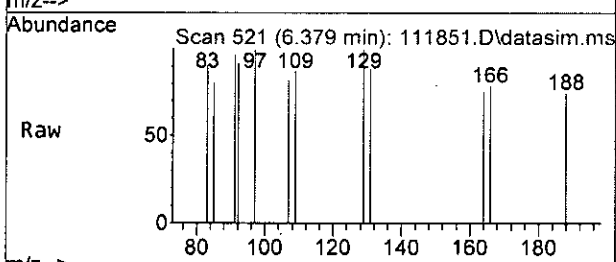
Tgt Ion:	Resp:	Lower	Upper
62	73	100	
98	8.9	0.0	40.1





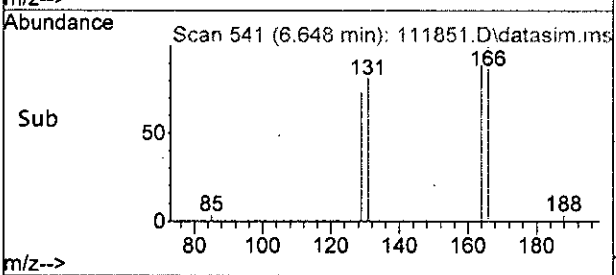
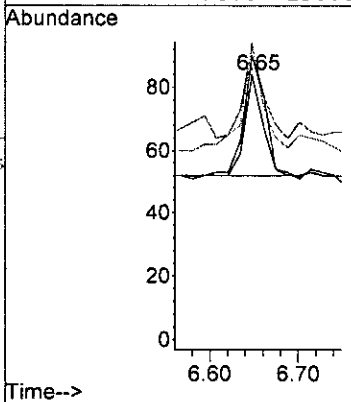
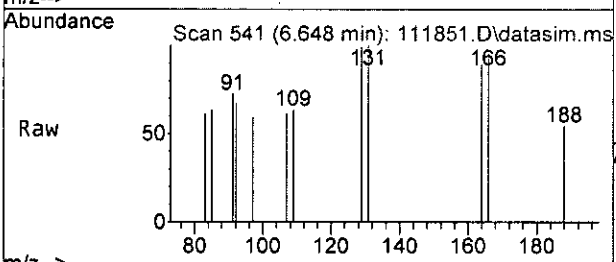
#42
 1,1,2-Trichloroethane
 Concen: Below Cal
 RT: 6.38 min Scan# 521
 Delta R.T. -0.148 min
 Lab File: 111851.D
 Acq: 19 Nov 2022 03:25 am

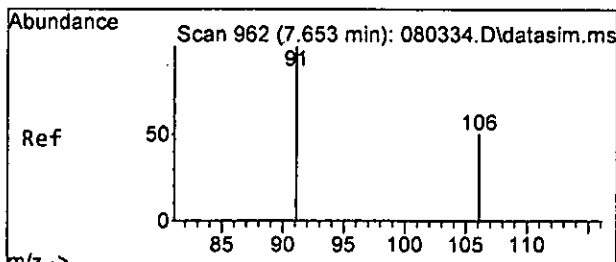
Tgt Ion: 83 Resp: 23
 Ion Ratio Lower Upper
 83 100
 97 157.1 88.0 148.0#
 85 0.0 35.3 95.3#



#45
 Tetrachloroethene
 Concen: Below Cal
 RT: 6.65 min Scan# 541
 Delta R.T. -0.000 min
 Lab File: 111851.D
 Acq: 19 Nov 2022 03:25 am

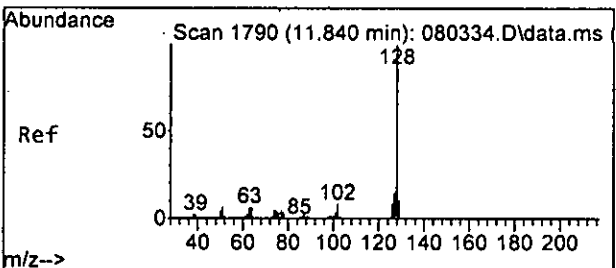
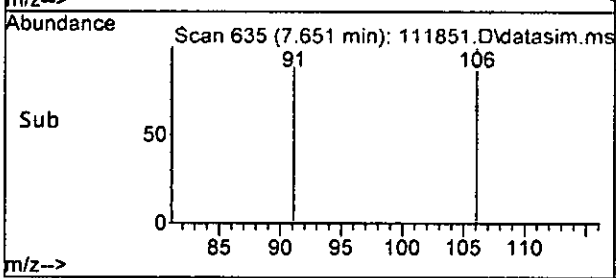
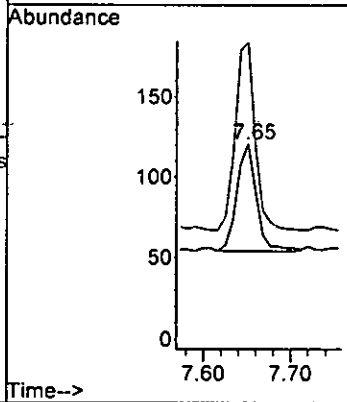
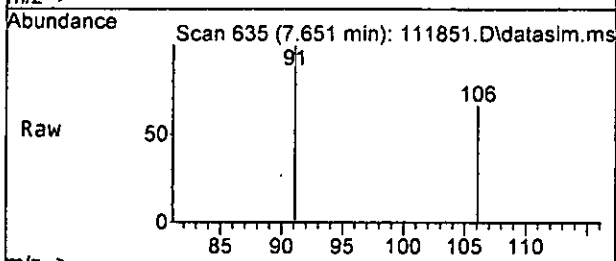
Tgt Ion: 164 Resp: 45
 Ion Ratio Lower Upper
 164 100
 129 90.6 72.1 132.1
 131 100.0 64.8 124.8
 166 121.9 90.0 150.0





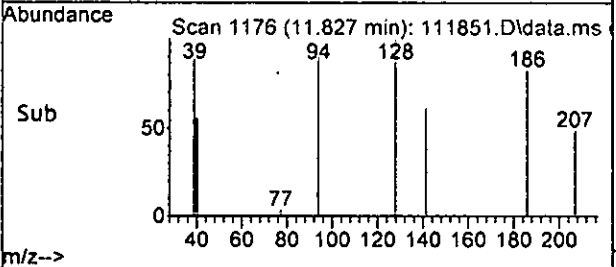
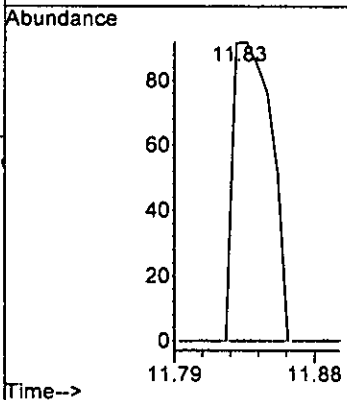
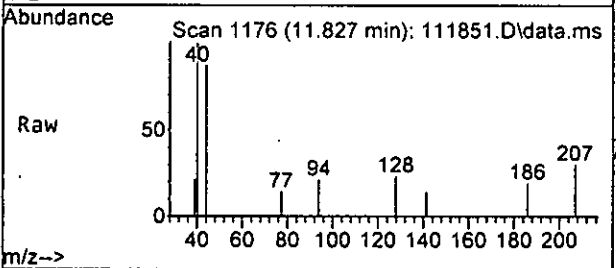
#51
 m,p-Xylene
 Concen: 0.018 ppb
 RT: 7.65 min Scan# 635
 Delta R.T. -0.000 min
 Lab File: 111851.D
 Acq: 19 Nov 2022 03:25 am

Tgt Ion: 106 Resp: 104
 Ion Ratio Lower Upper
 106 100
 91 174.6 175.7 235.7#



#75
 Naphthalene
 Concen: 0.094 ppb
 RT: 11.83 min Scan# 1176
 Delta R.T. -0.008 min
 Lab File: 111851.D
 Acq: 19 Nov 2022 03:25 am

Tgt Ion: 128 Resp: 165
 Ion Ratio Lower Upper
 128 100
 129 0.0 0.0 40.8
 127 0.0 0.0 43.1



Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111851.D
 Acq On : 19 Nov 2022 03:25 am
 Operator : LM
 Sample : 211237-08 1/0.25
 Misc : soil
 ALS Vial : 44 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:47:07 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 Qlast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	4.73	96	111049	10.000	ppb	-0.01	
39) Chlorobenzene-d5	7.40	117	94412	10.000	ppb	0.00	
56) 1,4-Dichlorobenzene-d4	9.62	152	57236	10.000	ppb	0.00	
System Monitoring Compounds							
3) Dibromofluoromethane	4.17	113	33870	9.511	ppb	0.00	
Spiked Amount	10.000	Range 50 - 150	Recovery	=	95.10%		
30) 1,2-Dichloroethane-d4	4.45	102	6099	8.837	ppb	0.00	
Spiked Amount	10.000	Range 84 - 120	Recovery	=	88.40%		
35) Toluene-d8	6.10	98	98629	9.313	ppb	0.00	
Spiked Amount	10.000	Range 73 - 128	Recovery	=	93.10%		
57) 4-Bromofluorobenzene	8.51	95	38125	9.667	ppb	0.00	
Spiked Amount	10.000	Range 57 - 146	Recovery	=	96.70%		
Target Compounds							
							Qvalue
2) Ethanol	2.33	45	184	No Calib			
4) Dichlorodifluoromethane	0.00		0	N.D.			
5) Chloromethane	1.25	50	472	N.D.			
6) Vinyl chloride	0.00		0	N.D.			
7) Bromomethane	0.00		0	N.D.			
8) Chloroethane	0.00		0	N.D.			
9) Trichlorofluoromethane	0.00		0	N.D.			
10) 2-Propanol	2.33	45	184	No Calib	#		
11) Acetone	2.32	58	31	Below Cal	#	1	
12) 1,1-Dichloroethene	0.00		0	N.D.	d		
13) Hexane	3.15	57	111	N.D.			
14) Methylene chloride	2.68	84	3613	N.D.			
15) t-Butyl alcohol (TBA)	0.00		0	N.D.			
16) Methyl t-butyl ether (...)	0.00		0	N.D.			
17) trans-1,2-Dichloroethene	0.00		0	N.D.			
18) Diisopropyl ether (DIPE)	0.00		0	N.D.			
19) 1,1-Dichloroethane	0.00		0	N.D.			
20) Ethyl t-butyl ether (E...)	0.00		0	N.D.			
21) 2,2-Dichloropropane	3.71	77	195	N.D.			
22) cis-1,2-Dichloroethene	0.00		0	N.D.			
23) Chloroform	0.00		0	N.D.			
24) 2-Butanone (MEK)	3.80	43	517	0.114	ppb	81	
25) t-Amyl methyl ether (T...)	0.00		0	N.D.			
26] 1,2-Dichloroethane (EDC)	4.52	62	73	Below Cal		97	
27) 1,1,1-Trichloroethane	0.00		0	N.D.			
28) 1,1-Dichloropropene	0.00		0	N.D.			
29) Carbon tetrachloride	0.00		0	N.D.			
31) Benzene	4.50	78	59	N.D.			
32) Trichloroethene	0.00		0	N.D.	d		
33) 1,2-Dichloropropane	0.00		0	N.D.			
34) Bromodichloromethane	0.00		0	N.D.			
36) Dibromomethane	0.00		0	N.D.			

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111851.D
 Acq On : 19 Nov 2022 03:25 am
 Operator : LM
 Sample : 211237-08 1/0.25
 Misc : soil
 ALS Vial : 44 Sample Multiplier: 1
 InstName : GCMS13

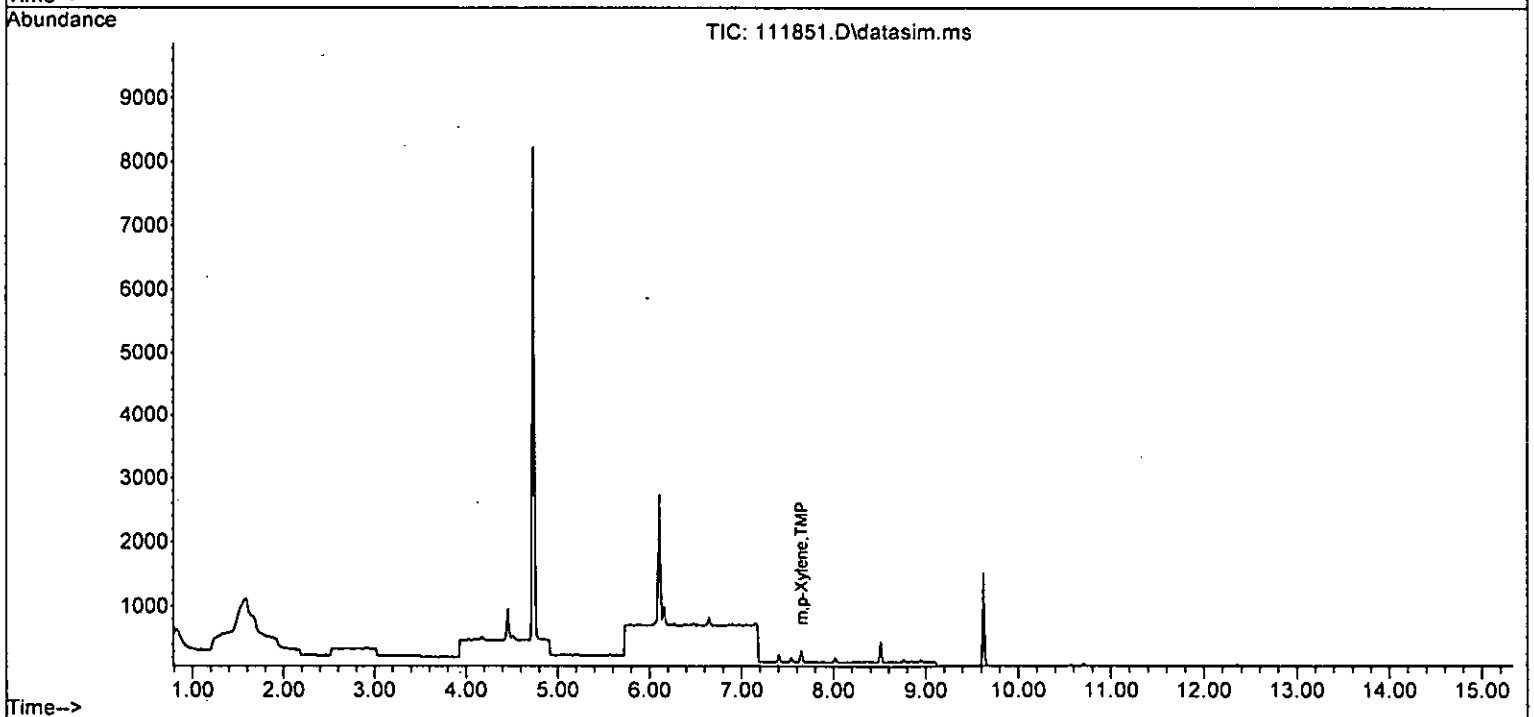
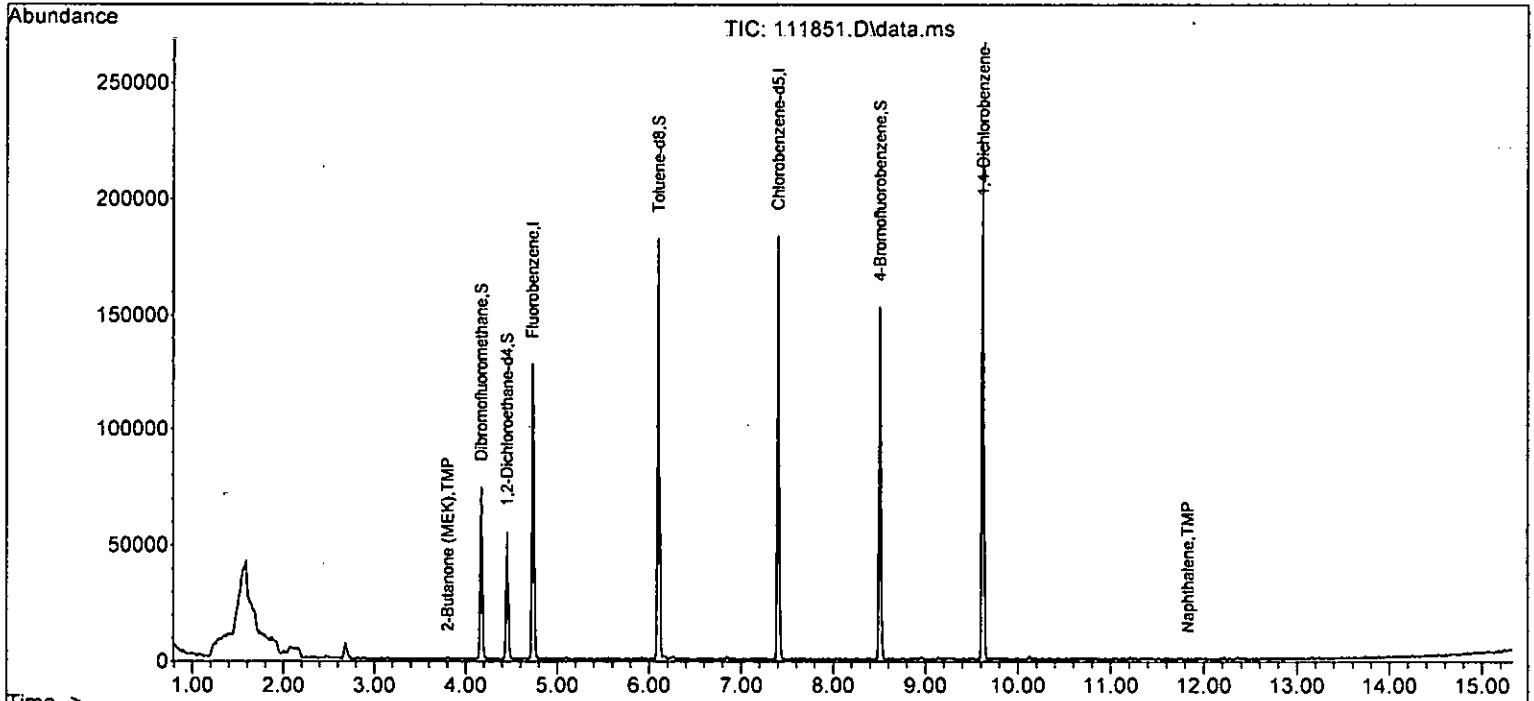
Quant Time: Nov 21 09:47:07 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.00		0		N.D.	
38) cis-1,3-Dichloropropene	0.00		0		N.D.	
40) Toluene	6.16	92	141		N.D.	
41) trans-1,3-Dichloropropene	0.00		0		N.D. d	
42] 1,1,2-Trichloroethane	6.38	83	23	Below Cal	#	48
43) 2-Hexanone	6.72	43	127		N.D.	
44) 1,3-Dichloropropane	0.00		0		N.D.	
45] Tetrachloroethene	6.65	164	45	Below Cal		94
46) Dibromochloromethane	0.00		0		N.D.	
47) 1,2-Dibromoethane (EDB)	0.00		0		N.D.	
48) Chlorobenzene	0.00		0		N.D.	
49) Ethylbenzene	7.54	91	84		N.D.	
50) 1,1,1,2-Tetrachloroethane	0.00		0		N.D.	
51] m,p-Xylene	7.65	106	104	0.018 ppb	#	80
52) o-Xylene	8.02	106	42		N.D.	
53) Styrene	0.00		0		N.D.	
54) Isopropylbenzene	8.37	105	104		N.D.	
55) Bromoform	0.00		0		N.D.	
58) n-Propylbenzene	8.76	91	115		N.D.	
59) Bromobenzene	0.00		0		N.D.	
60) 1,3,5-Trimethylbenzene	8.94	105	65		N.D.	
61) 1,1,2,2-Tetrachloroethane	0.00		0		N.D.	
62) 1,2,3-Trichloropropane	8.89	75	33		N.D.	
63) 2-Chlorotoluene	8.91	91	26		N.D.	
64) 4-Chlorotoluene	8.95	91	30		N.D.	
65) tert-Butylbenzene	0.00		0		N.D.	
66) 1,2,4-Trimethylbenzene	9.28	105	258		N.D.	
67) sec-Butylbenzene	9.46	105	43		N.D.	
68) p-Isopropyltoluene	9.62	119	194		N.D.	
69) 1,3-Dichlorobenzene	9.64	146	83		N.D.	
70) 1,4-Dichlorobenzene	9.64	146	83		N.D.	
71) 1,2-Dichlorobenzene	0.00		0		N.D.	
72) 1,2-Dibromo-3-chloropr...	0.00		0		N.D.	
73) 1,2,4-Trichlorobenzene	0.00		0		N.D.	
74) Hexachlorobutadiene	0.00		0		N.D.	
75) Naphthalene	11.83	128	165	0.094 ppb		69
76) 1,2,3-Trichlorobenzene	0.00		0		N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS13\11-18-22\
 Data File : 111851.D
 Acq On : 19 Nov 2022 03:25 am
 Operator : LM
 Sample : 211237-08 1/0.25
 Misc : soil
 ALS Vial : 44 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 09:47:07 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



Chain of Custody, Shipping & Receiving Documents, Sample Condition Checklist

211274

Report To Jennifer Maysala

Company Anchor, QEA

Address 1701 3rd Ave #7000

City, State, ZIP Seattle, WA 98101

Phone 206-281-9130 Email labdata@anchor.com

SAMPLE CHAIN OF CUSTODY

11/18/22

VW/2/H2/VS-C4

SAMPLERS (signature)

PROJECT NAME

Carson Cleaners RI

PO #

212280-01.01

REMARKS
See QAR, smt odd

Project specific RIS? - Yes / No

INVOICE TO

labdata@anchor.com

Page # 1 of 2

TURNAROUND TIME

Standard turnaround

RUSH
Rush charges authorized by:

SAMPLE DISPOSAL

Archive samples
 Other
Default: Dispose after 30 days

ANALYSES REQUESTED

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	ANALYSES REQUESTED							Notes		
						NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082		Total Solids	
CC-MW-3-SO-5-2022117	01 A-E	11/17/22	1050	SO	5					X					
CC-MW-3-SO-15-2022117	02		1105												
CC-MW-3-SO-18-2022117	03		1115												
CC-MW-3-SO-23-2022117	04		1130												
CC-MW-3-SO-29-2022117	05		1135												
CC-MW-3-SO-34-2022117	06		1145												
CC-MW-6-SO-7-2022117	07		1405												
CC-MW-FD3-SO-7-2022117	08		1405												
CC-MW-6-SO-13-2022117	09		1410												
CC-MW-6-SO-16-2022117	10		1425												

SIGNATURE

PRINT NAME

COMPANY

DATE

TIME

Relinquished by:

Received by:

Nina Maas

Anchor QEA

11/18/22

0830

Relinquished by:

Received by:

ANH PHAN

F8B

Samples received at 1 °C

11/19/22

09:30

Friedman & Bruya, Inc.

Ph. (206) 285-8282

211274

SAMPLE CHAIN OF CUSTODY

11/18/22

WA/42/VS-C4

Report to: Jennifer Masala

Company: Anchor GEA

Address: 1201 3rd AVE #2605

City, State, ZIP: Seattle, WA 98101

Phone: 206-281-9130 Email: lab@anchorga.com

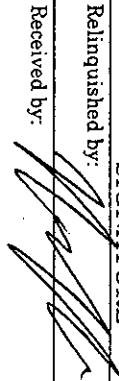
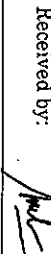
SAMPLERS (signature)	PO #
PROJECT NAME	212283-0101
CANSON Cleaners P1	

REMARKS	INVOICE TO
SEE QAPP, spot hold	lab@anchorga.com
Project Specific Ris - Yes / No	anchorga.com

Page #	2 of 2
TURNAROUND TIME	
Standard Turnaround	
RUSH	
Rush charges authorized by:	

SAMPLE DISPOSAL
Dispose after 30 days
Archive Samples
Other

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	ANALYSES REQUESTED							Notes		
						NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082	Total Solids			
CC-MW-6-SO-22-20221117	11A-E	11/17/22	1435	SO	5				X						
CC-MW-6-SO-27-20221117	12		1440						X						
CC-MW-6-SO-34-20221117	13		1450						X						
TB-20221117	14A-B			H ₂ O	2				X						TRIP BLANK

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by: 	NINA MAGS	Anchor GEA	11/18/22	0830
Received by:				
Relinquished by:				
Received by: 	ANH PHAN	FR B	11/18/22	08:30

Friedman & Bruya, Inc.
 5500 4th Avenue S
 Seattle, WA 98108
 Ph. (206) 285-8282

SAMPLE CONDITION UPON RECEIPT CHECKLIST

INITIALS/ AP

DATE: 11/18/22

PROJECT # 211274

CLIENT Ancher

If custody seals are present on cooler, are they intact?

NA YES NO

Cooler/Sample temperature

1 °C

Were samples received on ice/cold packs?

YES NO

How did samples arrive?

- Over the Counter
- Picked up by F&BI
- FedEx/UPS/GSO

Number of days samples have been sitting prior to receipt at laboratory 1 days

Is there a Chain-of-Custody* (COC)?

YES NO

*or other representative documents, letters, and/or shipping memos

Are the samples clearly identified? (explain "no" answer below)

YES NO

Is the following information provided on the COC* ? (explain "no" answer below)

Sample ID's	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	# of Containers	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Date Sampled	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Relinquished	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Time Sampled	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Requested analysis	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No

Were all sample containers received intact (i.e. not broken, leaking etc.)? (explain "no" answer below)

YES NO

Were appropriate sample containers used?

YES NO Unknown

If custody seals are present on samples, are they intact?

NA YES NO

Are samples requiring no headspace, headspace free?

NA YES NO

Air Samples: Were any additional canisters received?

NA YES NO

If Yes, number of unused 1L canisters _____

number of unused 6L canisters _____

Explain "no" items from above (use the back if needed)

Percent Solids

Sample ID	Wet Weight	Dry Weight + Pan	Pan Weight	Solids	Solids Ratio	Moisture	% Moisture
211274-01	10	9.1	1.3	0.78	1.28	0.22	22
211274-02	10	8.4	1.3	0.71	1.41	0.29	29
211274-03	10	9.8	1.3	0.85	1.18	0.15	15
211274-04	10	6.2	1.3	0.49	2.04	0.51	51
211274-05	10	7.7	1.3	0.64	1.56	0.36	36
211274-06	10	8.2	1.3	0.69	1.45	0.31	31
211274-07	10	7.6	1.3	0.63	1.59	0.37	37
211274-08	10	10.6	1.3	0.93	1.08	0.07	7
211274-09	10	6	1.3	0.47	2.13	0.53	53
211274-10	10	8.7	1.3	0.74	1.35	0.26	26
211274-11	10	7.9	1.3	0.66	1.52	0.34	34
211274-12	10	9.4	1.3	0.81	1.23	0.19	19
211274-13	10	8.3	1.3	0.70	1.43	0.30	30

Laboratory Worksheets

VOC EXTRACTION WORKSHEET (SOIL)

HT _____

Project #: 211274
 Client: Anchor
 QC Batch ID: 02-2765
 Samples checked against COC IRM

Date Received: 11/18
 Date Extracted: NOV 19 '22 PM 1:42
 Date Analyzed: _____
 GCMS 11 13, Seq. Date _____

Analysis Method: <input checked="" type="checkbox"/> 8260 <input type="checkbox"/> 8260 SIM <input type="checkbox"/> 8260 Direct Sparge <input type="checkbox"/> Other _____ Due Date: <u>11/29</u>	Requested Analytes: 8260 Normal List <input checked="" type="checkbox"/> PCE+Daughters <input type="checkbox"/> RDBM VOCs <input type="checkbox"/> BTEX N	Reporting Units: <input checked="" type="checkbox"/> mg/kg (ppm) <input type="checkbox"/> Other _____ <input type="checkbox"/> ve's not Acceptable <input type="checkbox"/> Dilutions Not Acceptable for Non-Detects <input type="checkbox"/> Need EDF	Extraction Method: <input checked="" type="checkbox"/> 5035 <input type="checkbox"/> Other _____
---	---	--	---

Sample ID	Total Container Weight	Container Tare Weight	Sample Weight	Extraction Solvent Volume	Dilutions		Dilution Factor	Observations
					Amt. Extract	Amt. Solvent		
01	39.75	29.61	10.14	5mL	860 µL	43 mL		RL-0.005
02	36.42	29.36	7.06	2.5mL				
03	38.40	29.42	8.98					
04	39.78	29.58	9.70					
05	37.14	29.67	7.47					
06	39.46	29.63	9.83	3.5mL				ABSORBS METH
07	36.15	29.30	6.85	2.5				
08	35.85	29.56	6.29					
09	35.99	29.26	6.73					
10	38.81	29.52	9.29					
11	41.70	29.62	17.08	5mL				
12	39.80	29.45	10.35	5mL				
13	38.70	29.31	9.39	2.5mL				

Initials: 11/19/22 IRM 3.5mL 11/19/22 IRM ABSORBS METH

	✓	Volume	Conc. (ppm)	Compound(s)	Lot #	Initials	Date
Solvent	<input checked="" type="checkbox"/>	NA	NA	Methanol	225-36	IRM	11/19/22
Other	<input type="checkbox"/>						
Internal Standard(s)/ Surrogate(s)	<input type="checkbox"/>	100 µl	250	Surrogate mix			
	<input checked="" type="checkbox"/>	10 ppm Surr/IS Mix spiked at instr. to yield 10 ppb			67-148A		
	<input type="checkbox"/>	50 ppm Surr/IS Mix spiked at instr. to yield 10 ppb					

Project Leader Initials: IRM NOTES: _____
 Calculated by WE 11/23/22 Reviewed by 11/28/22 IRM

BATCH ORGANIC EXTRACTION WORKSHEET

Date Extracted: 11/19/22 13:29

Technician: JLM

NOV 19 '22 PM 1:29

QA Batch: **02-2765**

Matrix	Solvent	Solvent	Analysis	
<input checked="" type="checkbox"/> Soil	<input type="checkbox"/> Methylene Chloride	Solvent	<input type="checkbox"/> Diesel	<input type="checkbox"/> 8270 SIM
<input type="checkbox"/> Water	<input type="checkbox"/> Acetone	Lot # <u>225-36</u>	<input type="checkbox"/> Gas/BTEX	<input type="checkbox"/> 8270
<input type="checkbox"/> Product	<input checked="" type="checkbox"/> Methanol		<input type="checkbox"/> HCID	<input checked="" type="checkbox"/> 8260
<input type="checkbox"/> Wipe	<input type="checkbox"/> Hexane			<input type="checkbox"/> PCB
<input type="checkbox"/> Other	<input type="checkbox"/> Other			<input type="checkbox"/> Organic Lead
				<input type="checkbox"/> Methamphetamine
				<input type="checkbox"/> Other

Clean Up: FlorsiL (FL) Copper (Cu)
 Silica Filtration H₂SO₄ Other

Sample ID	pH Waters only	Sample Weight/Volume	Extraction Solvent Volume	Final Volume	Dilutions		Clean Up (Circle)			Observations
					Amt. Extract	Amt. Solvent	Silica	FL Filter	Cu H ₂ SO ₄	
MB		5g	2.5mL		215µL	43mL				
WS										
211285 -01	nr									
J	MB									
11/19/22 JLM										
MB 11025					860µL	43mL				
11/19/22 JLM										
Initials										

Samples in Batch:

211274	-01		-05		-09	J	-13	211213	-08
	-02		-06		-10	211285	-01		
	-03		-07		-11	211288	-02	11/19 JLM	
	-04		-08		-12	211249	-01		

Matrix Spikes: 100 µL of 50 ppm of 8260 CW/WS
 Amount Concentration Analytes and Solvent

68-4A
 Lot # 67-192A Date/Initials 11/19/22 JLM

Matrix Spikes: _____ µL of _____ ppm of _____
 Amount Concentration Analytes and Solvent

Lot # _____

Surrogates: 5 µL of 10 ppm of 8260 IS/SURR
 Amount Concentration Analytes and Solvent

Lot # 67-148A

Internal Standards: 2 µL of _____ ppm of _____
 Amount Concentration Analytes and Solvent

Lot # _____

Notes:

VOC EXTRACTION WORKSHEET (WATER)

HT _____

Project #: 211274
 Client: Anchor
 QC Batch ID: 2647
 Samples checked against COC M

Date Received: 11/16
 Date Extracted: NOV 21 '22 PM 12:50
 Date Analyzed: _____
 GCMS 4 11 13 / Seq. Date 1

Analysis Method: <input checked="" type="checkbox"/> 8260 <input type="checkbox"/> 8260 SIM <input type="checkbox"/> 524.2 SIM <input type="checkbox"/> Other _____	Requested Analytes: <input checked="" type="checkbox"/> 8260 Normal List <input type="checkbox"/> MTBE <input type="checkbox"/> cVOCs <input checked="" type="checkbox"/> PCE/Daughters	<input type="checkbox"/> BTEX <input type="checkbox"/> BTEX+N <input type="checkbox"/> 524.2 Normal List <input type="checkbox"/> Other _____	Reporting Units: <input checked="" type="checkbox"/> µg/L (ppb) <input type="checkbox"/> Other _____	Extraction Method: <input checked="" type="checkbox"/> 5030 <input type="checkbox"/> ve's not Acceptable <input type="checkbox"/> Dilutions Not Acceptable for Non-Detects <input type="checkbox"/> Need EDF
Due Date: <u>11/29</u>				

Sample ID	pH	Sample Volume (mL)	Final Volume (mL)	Dilutions		Dilution Factor	Foamy Sample	Observations
				Amt. Extract	Amt. Solvent			
<u>14B</u>	<u>0.2</u>				mL			<u>PCE</u> <u>VC-0.02</u> <u>0.05 for stress</u> <u>11/19</u>

Initials _____

	✓	Volume	Conc. (ppm)	Compound(s)	Lot #	Initials	Date
Solvent		NA	NA	DI Water			
Other							
Internal Standard(s)/ Surrogate(s)		100 µl	250	Surrogate mix			
		10 ppm Surr/IS Mix spiked at instr. to yield 10 ppb			<u>67148</u>	<u>M</u>	<u>11/22</u>
		25 ppm Surr/IS Mix spiked at instr. to yield 5 ppb					

Project Leader Initials: MK NOTES: NI HD

Calculated by M 11.22.22 Reviewed by YA 11/23/22

BATCH ORGANIC EXTRACTION WORKSHEET

Date Extracted: 11.21.22

Technician: UM

QA Batch: **02-2647**

Matrix

- Soil
- Water
- Product
- Wipe
- Other

Solvent

- Methylene Chloride Solvent
- Acetone Lot # _____
- Methanol
- Hexane
- Other DI 450

Analysis

- Diesel
- Gas/BTEX
- HCID
- 8270 SIM
- 8270
- 8260
- PCB
- Organic Lead
- Methamphetamin
- Other _____

- Clean Up: FlorsiL (FL) Copper (Cu)
 Silica Filtration H₂SO₄ Other _____

Sample ID	pH Waters only	Sample Weight/Volume	Extraction Solvent Volume	Final Volume	Dilutions		Clean Up (Circle)			Observations
					Amt. Extract	Amt. Solvent	Silica	FL Filter	Cu H ₂ SO ₄	
<u>M3</u>		<u>(20) 43</u>		<u>(43)</u>						
<u>LCS</u>		<u>1</u>		<u>1</u>						
<u>LCSO</u>										
Initials										

Samples in Batch

<u>211304-05</u>	<u>211252-01</u>	<u>L-05</u>	<u>L-70</u>
<u>1-06</u>	<u>-02</u>	<u>211298-01</u>	<u>211274-14</u>
<u>1-07</u>	<u>-03</u>	<u>211229-08</u>	<u>211290-10</u>
<u>1-08</u>	<u>-04</u>	<u>1-09</u>	

Matrix Spikes:

8.6 µL of 50 ppm of 8260 LCS/MS Analytes and Solvent

Lot # 69.04 Date/Initials UM 11/21

Matrix Spikes:

____ µL of _____ ppm of _____ Analytes and Solvent

Lot # _____

Surrogates:

5 µL of 10 ppm of 8260 IS/MS Analytes and Solvent

Lot # 67.148

Internal Standards:

____ µL of _____ ppm of _____ Analytes and Solvent

Lot # _____

Notes:

EPA 8260D
MDLs

Reported MDL Data and Calculations

Analyst fill in all below (attach extraction worksheet(s))

Analysis: 8260 Standard(s) spiked: 63-150A, 64-93A, 65-52A, 65-56A, 65-90A
 Matrix: Soil Volume spiked: 2.5uL into 2.5mL MeOH, 25uL into 2.475mL MeOH
 Instrument ID: GCMS #4 Date(s) Extracted: 06/04/21, 06/08/21, 08/30/21, 08/31/21, 12/06/22, 12/09/21,
 Reporting Units: mg/kg Date(s) Analyzed: 06/04/21, 06/08/21, 08/30/21, 08/31/21, 12/06/22, 12/09/21,
 Date Calculated: 6/9/2021, 09/24/21, 12/07/21, 12/10/21, 01/13/22, 03/30/21,
 Calculation Analyst: JCM, WE, AS, AEN, RF

Analyte	(StdDev*2.998)	(2*MDL)	(5*MDL)	Std Dev	Mean	Spike Level	% Rec.
	MDL	PQL	PQL				
Ethanol							
Dichlorodifluoromethane	0.105	0.210	0.526	0.035	0.144	0.250	57.575
Chloromethane	0.065	0.130	0.326	0.022	0.196	0.250	78.235
Vinyl chloride	0.017	0.034	0.086	0.006	0.018	0.025	71.950
Bromomethane	0.301	0.602	1.506	0.100	0.259	0.250	103.715
Chloroethane	0.074	0.149	0.372	0.025	0.246	0.250	98.465
Trichlorofluoromethane	0.024	0.048	0.120	0.008	0.026	0.025	105.029
2-Propanol							
Acetone	1.254	2.507	6.268	0.418	1.058	1.250	84.653
1,1-Dichloroethene	0.019	0.038	0.096	0.006	0.023	0.025	91.650
Hexane	0.126	0.251	0.628	0.042	0.260	0.250	103.885
Methylene chloride	0.338	0.676	1.690	0.113	0.326	0.250	130.305
t-Butyl alcohol (TBA)	0.492	0.984	2.460	0.164	1.316	1.250	105.265
Methyl t-butyl ether (MTBE)	0.018	0.036	0.089	0.006	0.023	0.025	91.050
trans-1,2-Dichloroethene	0.010	0.020	0.049	0.003	0.025	0.025	99.400
Diisopropyl ether (DIPE)	0.007	0.014	0.035	0.002	0.025	0.025	100.450
1,1-Dichloroethane	0.011	0.021	0.053	0.004	0.025	0.025	99.350
Ethyl t-butyl ether (ETBE)	0.010	0.020	0.049	0.003	0.024	0.025	97.257
2,2-Dichloropropane	0.015	0.029	0.074	0.005	0.028	0.025	112.200
cis-1,2-Dichloroethene	0.011	0.022	0.056	0.004	0.026	0.025	103.300
Chloroform	0.013	0.026	0.065	0.004	0.027	0.025	106.500
2-Butanone (MEK)	0.647	1.295	3.237	0.216	1.101	1.250	88.093
t-Amyl methyl ether (TAME)	0.010	0.019	0.048	0.003	0.025	0.025	101.371
1,2-Dichloroethane (EDC)	0.014	0.029	0.072	0.005	0.027	0.025	107.900
1,1,1-Trichloroethane	0.011	0.021	0.053	0.004	0.026	0.025	102.600
1,1-Dichloropropene	0.011	0.022	0.054	0.004	0.025	0.025	98.050
Carbon tetrachloride	0.005	0.010	0.025	0.002	0.023	0.025	92.286
Benzene	0.009	0.019	0.046	0.003	0.027	0.025	106.950
Trichloroethene	0.013	0.025	0.063	0.004	0.025	0.025	100.200
1,2-Dichloropropane	0.008	0.015	0.038	0.003	0.026	0.025	103.900
Bromodichloromethane	0.008	0.015	0.038	0.003	0.026	0.025	103.500
Dibromomethane	0.013	0.025	0.063	0.004	0.023	0.025	93.350
4-Methyl-2-pentanone	0.061	0.121	0.303	0.020	0.135	0.125	108.217
cis-1,3-Dichloropropene	0.008	0.017	0.042	0.003	0.025	0.025	99.900
Toluene	0.009	0.019	0.046	0.003	0.025	0.025	101.500
trans-1,3-Dichloropropene	0.010	0.021	0.052	0.003	0.025	0.025	101.886
1,1,2-Trichloroethane	0.005	0.009	0.023	0.002	0.025	0.025	98.900
2-Hexanone	0.036	0.072	0.180	0.012	0.127	0.125	101.954
1,3-Dichloropropane	0.009	0.019	0.047	0.003	0.025	0.025	101.350
Tetrachloroethene	0.010	0.020	0.050	0.003	0.027	0.025	106.400
Dibromochloromethane	0.014	0.027	0.068	0.005	0.021	0.025	85.943
1,2-Dibromoethane (EDB)	0.008	0.016	0.040	0.003	0.024	0.025	97.800
Chlorobenzene	0.007	0.015	0.037	0.002	0.026	0.025	104.100
Ethylbenzene	0.010	0.020	0.049	0.003	0.026	0.025	105.050
1,1,1,2-Tetrachloroethane	0.007	0.015	0.037	0.002	0.024	0.025	96.629
m,p-Xylene	0.019	0.039	0.097	0.006	0.053	0.050	106.857
o-Xylene	0.011	0.022	0.056	0.004	0.025	0.025	101.100
Styrene	0.010	0.020	0.049	0.003	0.025	0.025	100.000
Isopropylbenzene	0.009	0.018	0.044	0.003	0.026	0.025	103.150
Bromoform	0.015	0.031	0.077	0.005	0.024	0.025	97.886
n-Propylbenzene	0.013	0.026	0.066	0.004	0.026	0.025	104.200
Bromobenzene	0.012	0.025	0.062	0.004	0.025	0.025	101.100
1,3,5-Trimethylbenzene	0.011	0.022	0.055	0.004	0.026	0.025	102.700
1,1,1,2-Tetrachloroethane	0.011	0.023	0.057	0.004	0.026	0.025	104.100
1,2,3-Trichloropropane	0.009	0.019	0.046	0.003	0.025	0.025	99.350
2-Chlorotoluene	0.012	0.024	0.060	0.004	0.026	0.025	102.600
4-Chlorotoluene	0.011	0.021	0.053	0.004	0.026	0.025	104.650
tert-Butylbenzene	0.013	0.026	0.064	0.004	0.025	0.025	101.750
1,2,4-Trimethylbenzene	0.010	0.020	0.051	0.003	0.026	0.025	105.050
sec-Butylbenzene	0.010	0.020	0.049	0.003	0.026	0.025	104.800
p-Isopropyltoluene	0.011	0.023	0.056	0.004	0.027	0.025	106.250
1,3-Dichlorobenzene	0.012	0.023	0.058	0.004	0.026	0.025	104.400
1,4-Dichlorobenzene	0.012	0.023	0.058	0.004	0.027	0.025	107.900
1,2-Dichlorobenzene	0.012	0.025	0.062	0.004	0.026	0.025	102.850
1,2-Dibromo-3-chloropropane	0.016	0.033	0.082	0.005	0.020	0.025	81.680
1,2,4-Trichlorobenzene	0.013	0.027	0.067	0.004	0.026	0.025	105.429
Hexachlorobutadiene	0.016	0.031	0.078	0.005	0.028	0.025	112.686
Naphthalene	0.014	0.027	0.068	0.005	0.025	0.025	101.100
1,2,3-Trichlorobenzene	0.012	0.024	0.061	0.004	0.026	0.025	105.200

Reported MDL Data and Calculations

Analyst fill in all below (attach extraction worksheet(s))

Analysis: 8260 Standard(s) spiked: 63-150A, 63-166A, 65-52A, 65-56A
 Matrix: Soil Volume spiked: 1/2.5/25 uL into 5g sand and 2.5/2.5/2.475 mL MeOH
 Instrument ID: GCMS #13 Date(s) Extracted: 05/27/21, 05/28/21, 06/07/21, 06/08/21, 12/02/21, 12
 Reporting Units: mg/kg Date(s) Analyzed: 05/27/21, 05/28/21, 06/07/21, 06/08/21, 12/02/21, 12
 Date Calculated: 06/01/21, 06/09/21, 12/07/21, 12/10/21, 12/13/21
 Calculation Analyst: JCM, WE, AEN, AS

Analyte	(StdDev*2.998)	(2*MDL)	(5*MDL)	Std Dev	Mean	Spike Level	% Rec.
	MDL	PQL	PQL				
Ethanol							
Dichlorodifluoromethane	0.0104	0.021	0.052	0.003	0.014	0.025	55
Chloromethane	0.0193	0.039	0.096	0.006	0.020	0.025	79
Vinyl chloride	0.0019	0.004	0.009	0.001	0.004	0.005	86
Bromomethane	0.1564	0.313	0.782	0.052	0.247	0.250	99
Chloroethane	0.0193	0.039	0.096	0.006	0.025	0.025	101
Trichlorofluoromethane	0.0109	0.022	0.054	0.004	0.023	0.025	92
2-Propanol							
Acetone	0.8998	1.800	4.499	0.300	1.490	1.250	119
1,1-Dichloroethene	0.0013	0.003	0.007	0.000	0.005	0.005	96
Hexane	0.0243	0.049	0.122	0.008	0.020	0.025	80
Methylene chloride	0.2104	0.421	1.052	0.070	0.283	0.250	113
t-Butyl alcohol (TBA)	0.7124	1.425	3.562	0.238	1.355	1.250	108
Methyl t-butyl ether (MTBE)	0.0033	0.007	0.016	0.001	0.005	0.005	107
trans-1,2-Dichloroethene	0.0020	0.004	0.010	0.001	0.005	0.005	109
Diisopropyl ether (DIPE)	0.0033	0.007	0.017	0.001	0.011	0.010	110
1,1-Dichloroethane	0.0015	0.003	0.007	0.000	0.005	0.005	104
Ethyl t-butyl ether (ETBE)	0.0045	0.009	0.023	0.002	0.010	0.010	102
2,2-Dichloropropane	0.0091	0.018	0.045	0.003	0.011	0.010	112
cis-1,2-Dichloroethene	0.0015	0.003	0.007	0.000	0.005	0.005	107
Chloroform	0.0047	0.009	0.023	0.002	0.011	0.010	113
2-Butanone (MEK)	0.5683	1.137	2.842	0.190	1.343	1.250	107
t-Amyl methyl ether (TAME)	0.0045	0.009	0.022	0.001	0.011	0.010	108
1,2-Dichloroethane (EDC)	0.0028	0.006	0.014	0.001	0.011	0.010	111
1,1,1-Trichloroethane	0.0012	0.002	0.006	0.000	0.005	0.005	103
1,1-Dichloropropene	0.0138	0.028	0.069	0.005	0.025	0.025	99
Carbon tetrachloride	0.0054	0.011	0.027	0.002	0.009	0.010	92
Benzene	0.0013	0.003	0.006	0.000	0.005	0.005	102
Trichloroethene	0.0020	0.004	0.010	0.001	0.011	0.010	106
1,2-Dichloropropane	0.0182	0.036	0.091	0.006	0.010	0.010	102
Bromodichloromethane	0.0038	0.008	0.019	0.001	0.010	0.010	97
Dibromomethane	0.0050	0.010	0.025	0.002	0.013	0.010	125
4-Methyl-2-pentanone	0.5539	1.108	2.770	0.185	1.221	1.250	98
cis-1,3-Dichloropropene	0.0143	0.029	0.071	0.005	0.025	0.025	101
Toluene	0.0013	0.003	0.007	0.000	0.006	0.005	115
trans-1,3-Dichloropropene	0.0180	0.036	0.090	0.006	0.026	0.025	105
1,1,2-Trichloroethane	0.0015	0.003	0.007	0.000	0.005	0.005	104
2-Hexanone	0.1101	0.220	0.550	0.037	0.145	0.125	116
1,3-Dichloropropane	0.0127	0.025	0.064	0.004	0.026	0.025	103
Tetrachloroethene	0.0022	0.004	0.011	0.001	0.006	0.005	119
Dibromochloromethane	0.0146	0.029	0.073	0.005	0.024	0.025	97
1,2-Dibromoethane (EDB)	0.0017	0.003	0.009	0.001	0.010	0.010	103
Chlorobenzene	0.0028	0.006	0.014	0.001	0.011	0.010	114
Ethylbenzene	0.0010	0.002	0.005	0.000	0.005	0.005	106
1,1,1,2-Tetrachloroethane	0.0035	0.007	0.017	0.001	0.010	0.010	101
m,p-Xylene	0.0020	0.004	0.010	0.001	0.010	0.010	104
o-Xylene	0.0007	0.001	0.004	0.000	0.005	0.005	100
Styrene	0.0099	0.020	0.049	0.003	0.023	0.025	91
Isopropylbenzene	0.0104	0.021	0.052	0.003	0.024	0.025	96
Bromoform	0.0151	0.030	0.075	0.005	0.023	0.025	91
n-Propylbenzene	0.0024	0.005	0.012	0.001	0.011	0.010	112
Bromobenzene	0.0118	0.024	0.059	0.004	0.025	0.025	101
1,3,5-Trimethylbenzene	0.0034	0.007	0.017	0.001	0.011	0.010	108
1,1,1,2-Tetrachloroethane	0.0122	0.024	0.061	0.004	0.026	0.025	105
1,2,3-Trichloropropane	0.0188	0.038	0.094	0.006	0.029	0.025	115
2-Chlorotoluene	0.0020	0.004	0.010	0.001	0.011	0.010	112
4-Chlorotoluene	0.0034	0.007	0.017	0.001	0.012	0.010	120
tert-Butylbenzene	0.0029	0.006	0.014	0.001	0.010	0.010	104
1,2,4-Trimethylbenzene	0.0021	0.004	0.010	0.001	0.011	0.010	114
sec-Butylbenzene	0.0029	0.006	0.014	0.001	0.011	0.010	107
p-Isopropyltoluene	0.0027	0.005	0.013	0.001	0.011	0.010	107
1,3-Dichlorobenzene	0.0048	0.010	0.024	0.002	0.012	0.010	116
1,4-Dichlorobenzene	0.0035	0.007	0.018	0.001	0.013	0.010	127
1,2-Dichlorobenzene	0.0032	0.006	0.016	0.001	0.011	0.010	114
1,2-Dibromo-3-chloropropane	0.1257	0.251	0.629	0.042	0.255	0.250	102
1,2,4-Trichlorobenzene	0.0035	0.007	0.017	0.001	0.013	0.010	132
Hexachlorobutadiene	0.0046	0.009	0.023	0.002	0.012	0.010	123
Naphthalene	0.0070	0.014	0.035	0.002	0.013	0.010	126
1,2,3-Trichlorobenzene	0.0132	0.026	0.066	0.004	0.026	0.025	103

Reported MDL Data and Calculations

Analyst fill in all below (attach extraction worksheet(s))

Analysis: 8260 Standard(s) spiked: 63-4A, 63-4B, 63-4C, 63-26A, 63-26B, 63-26C
 Matrix: Water Volume spiked: 4.3 uL (A), 8.6 uL (B), 17.2/43 uL (C)
 Instrument ID: GCMS #13 Date(s) Extracted: 05/27/21, 05/28/21, 06/07/21, 06/08/21, 12/02/21, 12/08/21
 Reporting Units: ug/L Date(s) Analyzed: 05/27/21, 05/28/21, 06/07/21, 06/08/21, 12/02/21, 12/08/21
 Date Calculated: 06/01/21, 06/09/21, 12/07/21, 12/10/21, 4/6/2022, 04/11/22
 Calculation Analyst: JCM, WE, AEN, AS

Analyte	(StdDev*2.998)	(2*MDL)	(5*MDL)	Std Dev	Mean	Spike Level	% Rec.
	MDL	PQL	PQL				
Ethanol							
Dichlorodifluoromethane	0.152	0.305	0.762	0.051	0.200	0.2	100
Chloromethane	1.096	2.191	5.478	0.365	5.441	5	109
Vinyl chloride	0.017	0.035	0.087	0.006	0.025	0.02	124
Bromomethane	1.853	3.707	9.267	0.618	6.097	5	122
Chloroethane	0.220	0.439	1.098	0.073	0.246	0.2	123
Trichlorofluoromethane	0.063	0.126	0.316	0.021	0.245	0.2	122
2-Propanol							
Acetone	4.490	8.980	22.450	1.498	12.426	10	124
1,1-Dichloroethene	0.015	0.031	0.077	0.005	0.056	0.05	112
Hexane	0.197	0.395	0.986	0.066	0.192	0.2	96
Methylene chloride	1.769	3.539	8.847	0.590	6.045	5	121
t-Butyl alcohol (TBA)	7.967	15.934	39.836	2.657	24.852	25	99
Methyl t-butyl ether (MTBE)	0.054	0.109	0.272	0.018	0.061	0.05	121
trans-1,2-Dichloroethene	0.021	0.043	0.106	0.007	0.058	0.05	116
Diisopropyl ether (DIPE)	0.039	0.078	0.195	0.013	0.201	0.2	100
1,1-Dichloroethane	0.013	0.026	0.066	0.004	0.054	0.05	108
Ethyl t-butyl ether (ETBE)	0.028	0.057	0.142	0.009	0.198	0.2	99
2,2-Dichloropropane	0.188	0.376	0.939	0.063	0.255	0.2	128
cis-1,2-Dichloroethene	0.015	0.029	0.073	0.005	0.057	0.05	114
Chloroform	0.049	0.099	0.246	0.016	0.215	0.2	107
2-Butanone (MEK)	1.862	3.723	9.308	0.621	10.875	10	109
t-Amyl methyl ether (TAME)	0.049	0.098	0.245	0.016	0.210	0.2	105
1,2-Dichloroethane (EDC)	0.097	0.194	0.485	0.032	0.229	0.2	114
1,1,1-Trichloroethane	0.012	0.025	0.062	0.004	0.054	0.05	109
1,1-Dichloropropene	0.060	0.120	0.299	0.020	0.199	0.2	100
Carbon tetrachloride	0.110	0.220	0.550	0.037	0.199	0.2	99
Benzene	0.018	0.036	0.089	0.006	0.025	0.02	124
Trichloroethene	0.032	0.064	0.159	0.011	0.059	0.05	117
1,2-Dichloropropane	0.133	0.266	0.666	0.044	0.218	0.2	109
Bromodichloromethane	0.061	0.121	0.303	0.020	0.215	0.2	108
Dibromomethane	0.043	0.087	0.216	0.014	0.229	0.2	114
4-Methyl-2-pentanone	1.975	3.951	9.877	0.659	25.044	25	100
cis-1,3-Dichloropropene	0.060	0.119	0.298	0.020	0.214	0.2	107
Toluene	0.018	0.035	0.088	0.006	0.060	0.05	119
trans-1,3-Dichloropropene	0.088	0.176	0.441	0.029	0.213	0.2	106
1,1,2-Trichloroethane	0.118	0.237	0.592	0.040	0.230	0.2	115
2-Hexanone	1.094	2.188	5.470	0.365	11.949	10	119
1,3-Dichloropropane	0.059	0.118	0.296	0.020	0.213	0.2	107
Tetrachloroethene	0.023	0.046	0.114	0.008	0.064	0.05	127
Dibromochloromethane	0.051	0.102	0.256	0.017	0.212	0.2	106
1,2-Dibromoethane (EDB)	0.022	0.043	0.108	0.007	0.059	0.05	118
Chlorobenzene	0.042	0.085	0.212	0.014	0.221	0.2	110
Ethylbenzene	0.016	0.033	0.082	0.005	0.028	0.02	141
1,1,1,2-Tetrachloroethane	0.065	0.130	0.324	0.022	0.217	0.2	108
m,p-Xylene	0.030	0.060	0.149	0.010	0.056	0.04	141
o-Xylene	0.011	0.022	0.054	0.004	0.026	0.02	132
Styrene	0.048	0.095	0.239	0.016	0.192	0.2	96
Isopropylbenzene	0.011	0.023	0.057	0.004	0.200	0.2	100
Bromoform	0.091	0.183	0.457	0.030	0.219	0.2	110
n-Propylbenzene	0.027	0.054	0.135	0.009	0.207	0.2	103
Bromobenzene	0.057	0.114	0.286	0.019	0.211	0.2	106
1,3,5-Trimethylbenzene	0.017	0.034	0.084	0.006	0.205	0.2	103
1,1,2,2-Tetrachloroethane	0.062	0.123	0.308	0.021	0.222	0.2	111
1,2,3-Trichloropropane	0.111	0.223	0.556	0.037	0.242	0.2	121
2-Chlorotoluene	0.039	0.078	0.194	0.013	0.210	0.2	105
4-Chlorotoluene	0.033	0.065	0.163	0.011	0.207	0.2	103
tert-Butylbenzene	0.021	0.042	0.106	0.007	0.201	0.2	100
1,2,4-Trimethylbenzene	0.039	0.079	0.197	0.013	0.204	0.2	102
sec-Butylbenzene	0.031	0.062	0.156	0.010	0.205	0.2	103
p-Isopropyltoluene	0.042	0.084	0.210	0.014	0.195	0.2	97
1,3-Dichlorobenzene	0.052	0.104	0.261	0.017	0.217	0.2	108
1,4-Dichlorobenzene	0.040	0.079	0.198	0.013	0.223	0.2	112
1,2-Dichlorobenzene	0.038	0.077	0.191	0.013	0.212	0.2	106
1,2-Dibromo-3-chloropropane	0.999	1.997	4.994	0.333	4.836	5	97
1,2,4-Trichlorobenzene	0.053	0.105	0.263	0.018	0.218	0.2	109
Hexachlorobutadiene	0.115	0.230	0.576	0.038	0.224	0.2	112
Naphthalene	0.111	0.222	0.555	0.037	0.227	0.2	113
1,2,3-Trichlorobenzene	0.036	0.071	0.178	0.012	0.225	0.2	113

EPA 8260D
Sequence Tables

Sequence Name: C:\GCMS4\Sequences\11-08-22.s

Comment:

Operator: LM

Data Path: D:\GCMS4\GCMS4_DATA\11-08-22\

Instrument Control Pre-Seq Cmd:

Data Analysis Pre-Seq Cmd:

Instrument Control Post-Seq Cmd:

Data Analysis Post-Seq Cmd:

Method Sections To Run

Full Method

Reprocessing Only

Sequence Barcode Options

On Mismatch, Inject Anyway

On Mismatch, Don't Inject

Barcode Disabled

11/9

Line	Sample Name/Misc Info
1) Sample	1 110801 8260VM1 50 ng BFB 67-152a
2) Sample	2 110802 8260VM1 rinse
3) Sample	3 110803 8260VM1 0.2 ppb 8260 ICAL 67-177I
4) Sample	4 110804 8260VM1 0.5 ppb 8260 ICAL 67-177J
5) Sample	5 110805 8260VM1 1 ppb 8260 ICAL 67-177K
6) Sample	100 110806 8260VM1 50 ng BFB 67-152A
7) Sample	5 110807 8260VM1 rinse
8) Sample	6 110808 8260VM1 0.2 ppb 8260 ICAL 67-177I
9) Sample	7 110809 8260VM1 0.5 ppb 8260 ICAL 67-177J
10) Sample	8 110810 8260VM1 1 ppb 8260 ICAL 67-177K
11) Sample	9 110811 8260VM1 2 ppb 8260 ICAL 67-177L
12) Sample	10 110812 8260VM1 5 ppb 8260 ICAL 67-177M
13) Sample	11 110813 8260VM1 10 ppb 8260 ICAL 67-177N
14) Sample	12 110814 8260VM1 20 ppb 8260 ICAL 67-177O
15) Sample	13 110815 8260VM1 50 ppb 8260 ICAL 67-177Q
16) Sample	14 110816 8260VM1 100 ppb 8260 ICAL 67-177S
17) Sample	15 110817 8260VM1 150 ppb 8260 ICAL 67-177T
18) Sample	16 110818 8260VM1 200 ppb 8260 ICAL 67-177U
19) Sample	17 110819 8260VM1 rinse vial
20) Sample	18 110820 8260VM1 10 ppb 8260 SCV 67-155c
21) Sample	19 110821 8260VM1 rinse

Injection Log

Data Directory: S:\Proc_GCMS4\11-08-22\

SampleName	MiscInfo	Vial	Multiplier	Injection Time
1) 110801.D 50 ng BFB 67-152a	soil 8260VM1.M	1	1.000	8 Nov 2022 7:10 am
2) 110802.D rinse	soil 8260VM1.M	2	1.000	8 Nov 2022 8:21 am
3) 110803.D 0.2 ppb 8260 ICAL ..	soil 8260VM1.M	3	1.000	8 Nov 2022 8:45 am
4) 110804.D 0.5 ppb 8260 ICAL ..	soil 8260VM1.M	4	1.000	8 Nov 2022 9:09 am
5) 110806.D 50 ng BFB 67-152A	direct inject 8260VM1.M	100	1.000	8 Nov 2022 11:14 am
6) 110807.D rinse	8260VM1.M	5	1.000	8 Nov 2022 11:40 am
7) 110808.D 0.2 ppb 8260 ICAL ..	soil/water 8260VM1.M	6	1.000	8 Nov 2022 12:05 pm
8) 110809.D 0.5 ppb 8260 ICAL ..	soil/water 8260VM1.M	7	1.000	8 Nov 2022 12:29 pm
9) 110810.D 1 ppb 8260 ICAL 67..	soil/water 8260VM1.M	8	1.000	8 Nov 2022 12:53 pm
10) 110811.D 2 ppb 8260 ICAL 67..	soil/water 8260VM1.M	9	1.000	8 Nov 2022 1:17 pm
11) 110812.D 5 ppb 8260 ICAL 67..	soil/water 8260VM1.M	10	1.000	8 Nov 2022 1:42 pm
12) 110813.D 10 ppb 8260 ICAL 6..	soil/water 8260VM1.M	11	1.000	8 Nov 2022 2:06 pm
13) 110814.D 20 ppb 8260 ICAL 6..	soil/water 8260VM1.M	12	1.000	8 Nov 2022 2:30 pm
14) 110815.D 50 ppb 8260 ICAL 6..	soil/water 8260VM1.M	13	1.000	8 Nov 2022 2:55 pm
15) 110816.D 100 ppb 8260 ICAL ..	soil/water 8260VM1.M	14	1.000	8 Nov 2022 3:19 pm
16) 110817.D 150 ppb 8260 ICAL ..	soil/water 8260VM1.M	15	1.000	8 Nov 2022 3:43 pm
17) 110818.D 200 ppb 8260 ICAL ..	soil/water 8260VM1.M	16	1.000	8 Nov 2022 4:07 pm
18) 110819.D rinse vial	soil/water 8260VM1.M	17	1.000	8 Nov 2022 4:31 pm
19) 110820.D 10 ppb 8260 SCV 67..	soil/water 8260VM1.M	18	1.000	8 Nov 2022 4:55 pm
20) 110821.D rinse	soil/water 8260VM1.M	19	1.000	8 Nov 2022 5:20 pm

Comment:

Operator: VM

Data Path: D:\GCMS13\GCMS13_Data\11-05-22\

Instrument Control Pre-Seq Cmd:

Data Analysis Pre-Seq Cmd:

Instrument Control Post-Seq Cmd:

Data Analysis Post-Seq Cmd:

Method Sections To Run

Full Method

Reprocessing Only

Sequence Barcode Options

On Mismatch, Inject Anyway

On Mismatch, Don't Inject

Barcode Disabled

Line	Type	ALS	File	Method	Sample Name/Misc Info
1)	Sample	100	110501	VM080322	rinse
2)	Sample	100	110502	VM080322	rinse
3)	Sample	1	110503	VM080322	50 ng BFB 67-152A
4)	Sample	100	110504	VM080322	rinse
5)	Sample	100	110505	VM080322	rinse
6)	Sample	2	110506	VM080322	0.02 ppb 8260 ICAL 67-177F
7)	Sample	3	110507	VM080322	0.04 ppb 8260 ICAL 67-177G
8)	Sample	4	110508	VM080322	0.1 ppb 8260 ICAL 67-177H
9)	Sample	5	110509	VM080322	0.2 ppb 8260 ICAL 67-177I
10)	Sample	6	110510	VM080322	0.5 ppb 8260 ICAL 67-177J
11)	Sample	7	110511	VM080322	1 ppb 8260 ICAL 67-177K
12)	Sample	8	110512	VM080322	2 ppb 8260 ICAL 67-177L
13)	Sample	9	110513	VM080322	5 ppb 8260 ICAL 67-177M
14)	Sample	10	110514	VM080322	10 ppb 8260 ICAL 67-177N
15)	Sample	11	110515	VM080322	20 ppb 8260 ICAL 67-177O
16)	Sample	12	110516	VM080322	50 ppb 8260 ICAL 67-177Q
17)	Sample	13	110517	VM080322	100 ppb 8260 ICAL 67-177S
18)	Sample	14	110518	VM080322	150 ppb 8260 ICAL 67-177T
19)	Sample	15	110519	VM080322	200 ppb 8260 ICAL 67-177U
20)	Sample	16	110520	VM080322	rinse vial
21)	Sample	17	110521	VM080322	10 ppb 8260 SCV 67-148
22)	Sample	100	110522	VM080322	rinse
23)	Sample	18	110523	VM080322	02-2625 lcs
24)	Sample	19	110524	VM080322	02-2625 lcsd
25)	Sample	100	110525	VM080322	rinse
26)	Sample	20	110526	VM080322	02-2625 mb
27)	Sample	21	110527	VM080322	02-2625 mb 1/0.25
28)	Sample	22	110528	VM080322	210370-01
29)	Sample	23	110529	VM080322	210370-02
30)	Sample	24	110530	VM080325	210370-03
31)	Sample	25	110531	VM080326	210370-04
32)	Sample	26	110532	VM080327	210370-10
33)	Sample	27	110533	VM080328	210370-11
34)	Sample	28	110534	VM080329	210370-12
35)	Sample	29	110535	VM080330	210370-13
36)	Sample	30	110536	VM080331	210370-14
37)	Sample	31	110537	VM080331	210370-17
38)	Sample	100	110538	VM080322	rinse

Injection Log

Data Directory: D:\Proc_GCMS13\11-05-22\

SampleName	MiscInfo	Vial	Multiplier	Injection Time
1) 110501.D rinse	VM080322.M water	100	1.000	05 Nov 2022 08:26 am
2) 110502.D rinse	VM080322.M water	100	1.000	05 Nov 2022 08:48 am
3) 110503.D 50 ng BFB 67-152A	VM080322.M water	<i>100</i> 1	1.000	05 Nov 2022 10:22 am
4) 110504.D rinse	VM080322.M water	100	1.000	05 Nov 2022 10:40 am
5) 110505.D rinse	VM080322.M water	100	1.000	05 Nov 2022 11:11 am
6) 110506.D 0.02 ppb 8260 ICAL..	VM080322.M soil/water	2	1.000	05 Nov 2022 11:34 am
7) 110507.D 0.04 ppb 8260 ICAL..	VM080322.M soil/water	3	1.000	05 Nov 2022 11:57 am
8) 110508.D 0.1 ppb 8260 ICAL ..	VM080322.M soil/water	4	1.000	05 Nov 2022 12:20 pm
9) 110509.D 0.2 ppb 8260 ICAL..	VM080322.M soil/water	5	1.000	05 Nov 2022 12:44 pm
10) 110510.D 0.5 ppb 8260 ICAL ..	VM080322.M soil/water	6	1.000	05 Nov 2022 01:07 pm
11) 110511.D 1 ppb 8260 ICAL 67..	VM080322.M soil/water	<i>7</i> 7	1.000	05 Nov 2022 01:30 pm
12) 110512.D 2 ppb 8260 ICAL 67..	VM080322.M soil/water	<i>8</i> 8	1.000	05 Nov 2022 01:53 pm
13) 110513.D 5 ppb 8260 ICAL 67..	VM080322.M soil/water	9	1.000	05 Nov 2022 02:16 pm
14) 110514.D 10 ppb 8260 ICAL 6..	VM080322.M soil/water	10	1.000	05 Nov 2022 02:39 pm
15) 110515.D 20 ppb 8260 ICAL 6..	VM080322.M soil/water	11	1.000	05 Nov 2022 03:03 pm
16) 110516.D 50 ppb 8260 ICAL 6..	VM080322.M soil/water	12	1.000	05 Nov 2022 03:26 pm
17) 110517.D 100 ppb 8260 ICAL ..	VM080322.M soil/water	13	1.000	05 Nov 2022 03:49 pm
18) 110518.D 150 ppb 8260 ICAL ..	VM080322.M soil/water	<i>14</i> 14	1.000	05 Nov 2022 04:12 pm
19) 110519.D 200 ppb 8260 ICAL ..	VM080322.M soil/water	<i>15</i> 15	1.000	05 Nov 2022 04:35 pm
20) 110520.D rinse vial	VM080322.M soil/water	16	1.000	05 Nov 2022 04:58 pm
21) 110521.D	VM080322.M			

100

7

8

DMC, PUF over

15

Comment:

Operator: LM

Data Path: D:\GCMS13\GCMS13_Data\11-07-22\

Instrument Control Pre-Seq Cmd:

Data Analysis Pre-Seq Cmd:

Instrument Control Post-Seq Cmd:

Data Analysis Post-Seq Cmd:

Method Sections To Run

(X) Full Method

() Reprocessing Only

Sequence Barcode Options

() On Mismatch, Inject Anyway

() On Mismatch, Don't Inject

(X) Barcode Disabled

m 11/8

Line	Type	ALS	File	Method	Sample Name/Misc Info
1)	Sample	100	110701	VM080322	Rinse
2)	Sample	1	110702	VM080322	10 ppb ccv 8260 67-177n
3)	Sample	2	110703	VM080322	02-2629 lcs
4)	Sample	3	110704	VM080322	02-2629 lcsd
5)	Sample	100	110705	VM080322	rinse
6)	Sample	4	110706	VM080322	10 ppb 8260 SCV 67-155
7)	Sample	100	110707	VM080322	rinse
8)	Sample	5	110708	VM080322	10 ppb ccv 8260 67-177n
9)	Sample	6	110709	VM080322	02-2625 lcs
10)	Sample	7	110710	VM080322	210364-03 ms
11)	Sample	8	110711	VM080322	210364-03 msd
12)	Sample	100	110712	VM080322	rinse
13)	Sample	9	110713	VM080322	02-2625 mb
14)	Sample	10	110714	VM080322	02-2625 mb 1/0.25
15)	Sample	11	110715	VM080322	210370-01 1/0.25
16)	Sample	12	110716	VM080322	210370-02 1/0.25
17)	Sample	13	110717	VM080322	210370-03 1/0.25
18)	Sample	14	110718	VM080322	210370-04 1/0.25
19)	Sample	15	110719	VM080322	210370-10 1/0.25
20)	Sample	16	110720	VM080322	210370-11 1/0.25
21)	Sample	17	110721	VM080322	210370-12 1/0.25
22)	Sample	18	110722	VM080322	210370-13 1/0.25
23)	Sample	19	110723	VM080322	210370-14 1/0.25
24)	Sample	20	110724	VM080322	210370-17 1/0.25
25)	Sample	21	110725	VM080322	210364-03 1/0.25
26)	Sample	22	110726	VM080322	210364-04 1/0.25
27)	Sample	23	110727	VM080322	210364-08 1/0.25
28)	Sample	24	110728	VM080322	210364-11 1/0.25
29)	Sample	25	110729	VM080322	210364-13 1/0.25
30)	Sample	26	110730	VM080322	210364-16 1/0.25
31)	Sample	27	110731	VM080322	210364-20 1/0.25
32)	Sample	28	110732	VM080322	210364-24 1/0.25
33)	Sample	29	110733	VM080322	210439-02 1/0.25
34)	Sample	30	110734	VM080322	210439-06 1/0.25
35)	Sample	31	110735	VM080322	210364-03
36)	Sample	100	110736	VM080322	rinse
37)	Sample	32	110737	VM080322	10 ppb ccv 8260 67-177n
38)	Sample	33	110738	VM080322	02-2629 lcs
39)	Sample	34	110739	VM080322	211091-01 ms
40)	Sample	35	110740	VM080322	211091-01 msd
41)	Sample	100	110741	VM080322	rinse

Sequence Name: D:\GCMS13\sequence\11-07-22.sequence.xml

Comment:

Operator: LM

Data Path: D:\GCMS13\GCMS13_Data\11-07-22\

Instrument Control Pre-Seq Cmd:

Data Analysis Pre-Seq Cmd:

Instrument Control Post-Seq Cmd:

Data Analysis Post-Seq Cmd:

Method Sections To Run

Full Method

Reprocessing Only

Sequence Barcode Options

On Mismatch, Inject Anyway

On Mismatch, Don't Inject

Barcode Disabled

42)	Sample	36	110742	VM080322	02-2629	mb
43)	Sample	37	110743	VM080322	02-2629	mb 1/0.25
44)	Sample	38	110744	VM080322	210409-01	1/0.25
45)	Sample	39	110745	VM080322	210409-02	1/0.25
46)	Sample	40	110746	VM080322	210409-04	1/0.25
47)	Sample	41	110747	VM080322	210409-10	1/0.25
48)	Sample	42	110748	VM080322	210409-11	1/0.25
49)	Sample	43	110749	VM080322	210409-13	1/0.25
50)	Sample	44	110750	VM080322	210409-15	1/0.25
51)	Sample	45	110751	VM080322	210409-18	1/0.25
52)	Sample	46	110752	VM080322	210409-21	1/0.25
53)	Sample	47	110753	VM080322	210409-22	1/0.25
54)	Sample	48	110754	VM080322	210409-23	1/0.25
55)	Sample	49	110755	VM080322	210409-25	1/0.25
56)	Sample	50	110756	VM080322	210409-29	1/0.25
57)	Sample	51	110757	VM080322	210409-32	1/0.25
58)	Sample	52	110758	VM080322	210409-33	1/0.25
59)	Sample	53	110759	VM080322	210409-34	1/0.25
60)	Sample	54	110760	VM080322	210409-36	1/0.25
61)	Sample	55	110761	VM080322	210409-41	1/0.25
62)	Sample	56	110762	VM080322	210409-42	1/0.25
63)	Sample	57	110763	VM080322	211091-01	
64)	Sample	100	110764	VM080322	rinse	

Injection Log

Data Directory: D:\Proc_GCMS13\11-07-22\

SampleName	MiscInfo	Vial	Multiplier	Injection Time
1) 110701.D Rinse	VM080322.M water	100	1.000	07 Nov 2022 07:21 am
2) 110702.D 10 ppb ccv 8260 67..	VM080322.M water/soil	1	1.000	07 Nov 2022 08:37 am
3) 110703.D 02-2629 lcs	VM080322.M water	2	1.000	07 Nov 2022 09:00 am
4) 110704.D 02-2629 lcsd	VM080322.M water	3	1.000	07 Nov 2022 09:23 am
5) 110705.D rinse	VM080322.M water	100	1.000	07 Nov 2022 09:46 am
6) 110706.D 10 ppb 8260 SCV 67..	VM080322.M soil/water	4	1.000	07 Nov 2022 10:34 am
7) 110707.D rinse	VM080322.M water	100	1.000	07 Nov 2022 10:57 am
8) 110708.D 10 ppb ccv 8260 67..	VM080322.M soil	5	1.000	07 Nov 2022 12:37 pm
9) 110709.D 02-2625 lcs	VM080322.M soil	6	1.000	07 Nov 2022 01:01 pm
10) 110710.D 210364-03 ms	VM080322.M soil	7	1.000	07 Nov 2022 01:24 pm
11) 110711.D 210364-03 msd	VM080322.M soil	8	1.000	07 Nov 2022 01:47 pm
12) 110712.D rinse	VM080322.M soil	100	1.000	07 Nov 2022 02:10 pm
13) 110713.D 02-2625 mb	VM080322.M soil	9	1.000	07 Nov 2022 02:33 pm
14) 110714.D 02-2625 mb 1/0.25	VM080322.M soil	10	1.000	07 Nov 2022 02:56 pm
15) 110715.D 210370-01 1/0.25	VM080322.M soil	11	1.000	07 Nov 2022 03:19 pm
16) 110716.D 210370-02 1/0.25	VM080322.M soil	12	1.000	07 Nov 2022 03:43 pm
17) 110717.D 210370-03 1/0.25	VM080322.M soil	13	1.000	07 Nov 2022 04:06 pm
18) 110718.D 210370-04 1/0.25	VM080322.M soil	14	1.000	07 Nov 2022 04:29 pm
19) 110719.D 210370-10 1/0.25	VM080322.M soil	15	1.000	07 Nov 2022 04:52 pm
20) 110720.D 210370-11 1/0.25	VM080322.M soil	16	1.000	07 Nov 2022 05:15 pm
21) 110721.D	VM080322.M			

210370-12 1/0.25	soil		17	1.000	07 Nov 2022	05:38 pm
22) 110722.D		VM080322.M				
210370-13 1/0.25	soil		18	1.000	07 Nov 2022	06:01 pm
23) 110723.D		VM080322.M				
210370-14 1/0.25	soil		19	1.000	07 Nov 2022	06:24 pm
24) 110724.D		VM080322.M				
210370-17 1/0.25	soil		20	1.000	07 Nov 2022	06:47 pm
25) 110725.D		VM080322.M				
210364-03 1/0.25	soil		21	1.000	07 Nov 2022	07:11 pm
26) 110726.D		VM080322.M				
210364-04 1/0.25	soil		22	1.000	07 Nov 2022	07:34 pm
27) 110727.D		VM080322.M				
210364-08 1/0.25	soil		23	1.000	07 Nov 2022	07:57 pm
28) 110728.D		VM080322.M				
210364-11 1/0.25	soil		24	1.000	07 Nov 2022	08:21 pm
29) 110729.D		VM080322.M				
210364-13 1/0.25	soil		25	1.000	07 Nov 2022	08:44 pm
30) 110730.D		VM080322.M				
210364-16 1/0.25	soil		26	1.000	07 Nov 2022	09:07 pm
31) 110731.D		VM080322.M				
210364-20 1/0.25	soil		27	1.000	07 Nov 2022	09:30 pm
32) 110732.D		VM080322.M				
210364-24 1/0.25	soil		28	1.000	07 Nov 2022	09:53 pm
33) 110733.D		VM080322.M				
210439-02 1/0.25	soil		29	1.000	07 Nov 2022	10:17 pm
34) 110734.D		VM080322.M				
210439-06 1/0.25	soil		30	1.000	07 Nov 2022	10:40 pm
35) 110735.D		VM080322.M				
210364-03	soil		31	1.000	07 Nov 2022	11:03 pm
36) 110736.D		VM080322.M				
rinse	soil		100	1.000	07 Nov 2022	11:26 pm
37) 110737.D		VM080322.M				
10 ppb ccv 8260 67..	soil		32	1.000	07 Nov 2022	11:49 pm
38) 110738.D		VM080322.M				
02-2629 lcs	soil		33	1.000	08 Nov 2022	12:12 am
39) 110739.D		VM080322.M				
211091-01 ms	soil		34	1.000	08 Nov 2022	12:35 am
40) 110740.D		VM080322.M				
211091-01 msd	soil		35	1.000	08 Nov 2022	12:58 am
41) 110741.D		VM080322.M				
rinse	soil		100	1.000	08 Nov 2022	01:21 am
42) 110742.D		VM080322.M				
02-2629 mb	soil		36	1.000	08 Nov 2022	01:44 am
43) 110743.D		VM080322.M				
02-2629 mb 1/0.25	soil		37	1.000	08 Nov 2022	02:07 am

44) 110744.D		VM080322.M					
210409-01 1/0.25	soil		38	1.000	08 Nov 2022	02:30	am
45) 110745.D		VM080322.M					
210409-02 1/0.25	soil		39	1.000	08 Nov 2022	02:53	am
46) 110746.D		VM080322.M					
210409-04 1/0.25	soil		40	1.000	08 Nov 2022	03:16	am
47) 110747.D		VM080322.M					
210409-10 1/0.25	soil		41	1.000	08 Nov 2022	03:39	am
48) 110748.D		VM080322.M					
210409-11 1/0.25	soil		42	1.000	08 Nov 2022	04:02	am
49) 110749.D		VM080322.M					
210409-13 1/0.25	soil		43	1.000	08 Nov 2022	04:25	am
50) 110750.D		VM080322.M					
210409-15 1/0.25	soil		44	1.000	08 Nov 2022	04:48	am
51) 110751.D		VM080322.M					
210409-18 1/0.25	soil		45	1.000	08 Nov 2022	05:11	am
52) 110752.D		VM080322.M					
210409-21 1/0.25	soil		46	1.000	08 Nov 2022	05:34	am
53) 110753.D		VM080322.M					
210409-22 1/0.25	soil		47	1.000	08 Nov 2022	05:57	am
54) 110754.D		VM080322.M					
210409-23 1/0.25	soil		48	1.000	08 Nov 2022	06:20	am
55) 110755.D		VM080322.M					
210409-25 1/0.25	soil		49	1.000	08 Nov 2022	06:43	am
56) 110756.D		VM080322.M					
210409-29 1/0.25	soil		50	1.000	08 Nov 2022	07:06	am
57) 110757.D		VM080322.M					
210409-32 1/0.25	soil		51	1.000	08 Nov 2022	07:29	am
58) 110758.D		VM080322.M					
210409-33 1/0.25	soil		52	1.000	08 Nov 2022	07:52	am
59) 110759.D		VM080322.M					
210409-341/0.25	soil		53	1.000	08 Nov 2022	08:15	am
60) 110760.D		VM080322.M					
210409-36 1/0.25	soil		54	1.000	08 Nov 2022	08:38	am
61) 110761.D		VM080322.M					
210409-41 1/0.25	soil		55	1.000	08 Nov 2022	09:01	am
62) 110762.D		VM080322.M					
210409-42 1/0.25	soil		56	1.000	08 Nov 2022	09:24	am
63) 110763.D		VM080322.M					
211091-01	soil		57	1.000	08 Nov 2022	09:48	am
64) 110764.D		VM080322.M					
rinse	soil		100	1.000	08 Nov 2022	10:10	am

DM
DMC
11/9

Sequence Name: C:\GCMS4\Sequences\11-19-22.s

Comment:

Operator: JCM

Data Path: D:\GCMS4\GCMS4_DATA\11-19-22\

Instrument Control Pre-Seq Cmd:

Data Analysis Pre-Seq Cmd:

Instrument Control Post-Seq Cmd:

Data Analysis Post-Seq Cmd:

B 11/21

Method Sections To Run

Full Method

Reprocessing Only

Sequence Barcode Options

On Mismatch, Inject Anyway

On Mismatch, Don't Inject

Barcode Disabled

Line	Sample Name/Misc Info
1) Sample	1 111901 8260VM1 rinse
2) Sample	2 111902 8260VM1 10 ppb 8260 CCV 67-192N
3) Sample	3 111903 8260VM1 02-2765 lcs
4) Sample	4 111904 8260VM1 rinse
5) Sample	5 111905 8260VM1 rinse
6) Sample	6 111906 8260VM1 10 ppb 8260 CCV 67-192N
7) Sample	7 111907 8260VM1 02-2765 lcs rr
8) Sample	8 111908 8260VM1 rinse
9) Sample	9 111909 8260VM1 02-2765 mb
10) Sample	10 111910 8260VM1 211285-01
11) Sample	11 111911 8260VM1 211249-01
12) Sample	12 111912 8260VM1 211285-01 ms
13) Sample	13 111913 8260VM1 211285-01 msd
14) Sample	14 111914 8260VM1 rinse

Injection Log

Data Directory: Y:\Proc_GCMS4\11-19-22\

SampleName	MiscInfo	Vial	Multiplier	Injection Time
1) 111901.D rinse	8260VM1.M	1	1.000	19 Nov 2022 1:44 pm
2) 111902.D 10 ppb 8260 CCV 67..	soil/water 8260VM1.M	2	1.000	19 Nov 2022 2:07 pm
3) 111903.D 02-2765 lcs	soil 8260VM1.M	3	1.000	19 Nov 2022 2:32 pm
4) 111904.D rinse	soil 8260VM1.M	4	1.000	19 Nov 2022 2:56 pm
5) 111905.D rinse	soil/water 8260VM1.M	5	1.000	19 Nov 2022 9:23 pm
6) 111906.D 10 ppb 8260 CCV 67..	soil 8260VM1.M	6	1.000	19 Nov 2022 9:47 pm
7) 111907.D 02-2765 lcs rr	soil 8260VM1.M	7	1.000	19 Nov 2022 10:12 pm
8) 111908.D rinse	soil 8260VM1.M	8	1.000	19 Nov 2022 11:08 pm
9) 111909.D 02-2765 mb	soil 8260VM1.M	9	1.000	19 Nov 2022 11:32 pm
10) 111910.D 211285-01	soil 8260VM1.M	10	1.000	19 Nov 2022 11:56 pm
11) 111911.D 211249-01	soil 8260VM1.M	11	1.000	20 Nov 2022 12:20 am
12) 111912.D 211285-01 ms	soil 8260VM1.M	12	1.000	20 Nov 2022 12:45 am
13) 111913.D 211285-01 msd	soil 8260VM1.M	13	1.000	20 Nov 2022 1:09 am
14) 111914.D rinse	soil 8260VM1.M	14	1.000	20 Nov 2022 1:32 am

Sequence Name: D:\GCMS13\sequence\11-19-22.sequence.xml

Comment:

Operator: JCM

Data Path: D:\GCMS13\GCMS13_Data\11-19-22\

Instrument Control Pre-Seq Cmd:

Data Analysis Pre-Seq Cmd:

Instrument Control Post-Seq Cmd:

Data Analysis Post-Seq Cmd:

JBR/21

Method Sections To Run

(X) Full Method

() Reprocessing Only

Sequence Barcode Options

() On Mismatch, Inject Anyway

() On Mismatch, Don't Inject

(X) Barcode Disabled

Line Type	ALS	File	Method	Sample Name/Misc Info
-----------	-----	------	--------	-----------------------

1)	Sample	100	111901	VM080322 rinse
2)	Sample	100	111902	VM080322 rinse
3)	Sample	1	111903	VM080322 10 ppb 8260 CCV 67-192N
4)	Sample	100	111904	VM080322 rinse
5)	Sample	2	111905	VM080322 10 ppb 8260 CCV 67-192N
6)	Sample	100	111906	VM080322 rinse
7)	Sample	100	111907	VM080322 rinse
8)	Sample	3	111908	VM080322 02-2765 mb 1/0.25
9)	Sample	4	111909	VM080322 211274-01 1/0.25
10)	Sample	5	111910	VM080322 211274-02 1/0.25
11)	Sample	6	111911	VM080322 211274-03 1/0.25
12)	Sample	7	111912	VM080322 211274-04 1/0.25
13)	Sample	8	111913	VM080322 211274-05 1/0.25
14)	Sample	9	111914	VM080322 211274-06 1/0.25
15)	Sample	10	111915	VM080322 211274-07 1/0.25
16)	Sample	11	111916	VM080322 211274-08 1/0.25
17)	Sample	12	111917	VM080322 211274-09 1/0.25
18)	Sample	13	111918	VM080322 211274-10 1/0.25
19)	Sample	14	111919	VM080322 211274-11 1/0.25
20)	Sample	15	111920	VM080322 211274-12 1/0.25
21)	Sample	16	111921	VM080322 211274-13 1/0.25
22)	Sample	100	111922	VM080322 rinse
23)	Sample	100	111923	VM080322 rinse

Injection Log

Data Directory: D:\Proc_GCMS13\11-19-22\

SampleName	MiscInfo	Vial	Multiplier	Injection Time
1) 111901.D rinse	VM080322.M	100	1.000	19 Nov 2022 01:44 pm
2) 111902.D rinse	VM080322.M	100	1.000	19 Nov 2022 02:07 pm
3) 111903.D 10 ppb 8260 CCV 67.. soil/water	VM080322.M	1	1.000	19 Nov 2022 02:30 pm
4) 111904.D rinse	VM080322.M	100	1.000	19 Nov 2022 09:21 pm
5) 111905.D 10 ppb 8260 CCV 67.. soil/water	VM080322.M	2	1.000	19 Nov 2022 09:44 pm
6) 111906.D rinse	VM080322.M	100	1.000	19 Nov 2022 10:21 pm
7) 111907.D rinse	VM080322.M	100	1.000	19 Nov 2022 10:44 pm
8) 111908.D 02-2765 mb 1/0.25 soil	VM080322.M	3	1.000	19 Nov 2022 11:08 pm
9) 111909.D 211274-01 1/0.25 soil	VM080322.M	4	1.000	19 Nov 2022 11:31 pm
10) 111910.D 211274-02 1/0.25 soil	VM080322.M	5	1.000	19 Nov 2022 11:54 pm
11) 111911.D 211274-03 1/0.25 soil	VM080322.M	6	1.000	20 Nov 2022 12:17 am
12) 111912.D 211274-04 1/0.25 soil	VM080322.M	7	1.000	20 Nov 2022 12:40 am
13) 111913.D 211274-05 1/0.25 soil	VM080322.M	8	1.000	20 Nov 2022 01:04 am
14) 111914.D 211274-06 1/0.25 soil	VM080322.M	9	1.000	20 Nov 2022 01:27 am
15) 111915.D 211274-07 1/0.25 soil	VM080322.M	10	1.000	20 Nov 2022 01:50 am
16) 111916.D 211274-08 1/0.25 soil	VM080322.M	11	1.000	20 Nov 2022 02:13 am
17) 111917.D 211274-09 1/0.25 soil	VM080322.M	12	1.000	20 Nov 2022 02:37 am
18) 111918.D 211274-10 1/0.25 soil	VM080322.M	13	1.000	20 Nov 2022 03:00 am
19) 111919.D 211274-11 1/0.25 soil	VM080322.M	14	1.000	20 Nov 2022 03:23 am
20) 111920.D 211274-12 1/0.25 soil	VM080322.M	15	1.000	20 Nov 2022 03:46 am
21) 111921.D	VM080322.M			

Sequence Name: D:\GCMS13\sequence\11-21-22.sequence.xml

Comment:

Operator: LM

Data Path: D:\GCMS13\GCMS13_Data\11-21-22\

Instrument Control Pre-Seq Cmd:

Data Analysis Pre-Seq Cmd:

Instrument Control Post-Seq Cmd:

Data Analysis Post-Seq Cmd:

TB 11/22

Method Sections To Run

(X) Full Method

() Reprocessing Only

Sequence Barcode Options

() On Mismatch, Inject Anyway

() On Mismatch, Don't Inject

(X) Barcode Disabled

Line	Type	ALS	File	Method	Sample Name/Misc Info
1)	Sample	100	112101	VM080322	rinse
2)	Sample	100	112102	VM080322	rinse
3)	Sample	1	112103	VM080322	10 ppb 8260 CCV 67-86N
4)	Sample	2	112104	VM080322	02-2647 lcs
5)	Sample	3	112105	VM080322	02-2647 lcsd
6)	Sample	100	112106	VM080322	rinse
7)	Sample	4	112107	VM080322	02-2647 mb
8)	Sample	5	112108	VM080322	02-2770 mb 1/0.25
9)	Sample	6	112109	VM080322	211274-14
10)	Sample	11	112110	VM080322	211252-05
11)	Sample	7	112111	VM080322	211304-05
12)	Sample	8	112112	VM080322	211304-06
13)	Sample	9	112113	VM080322	211304-07
14)	Sample	10	112114	VM080322	211304-08
15)	Sample	100	112115	VM080322	rinse
16)	Sample	12	112116	VM080322	211252-01
17)	Sample	13	112117	VM080322	211252-02
18)	Sample	14	112118	VM080322	211252-03
19)	Sample	15	112119	VM080322	211252-04
20)	Sample	100	112120	VM080322	rinse

Injection Log

Data Directory: Y:\Proc_GCMS13\11-21-22\

SampleName	MiscInfo	Vial	Multiplier	Injection Time
1) 112101.D rinse	VM080322.M	100	1.000	21 Nov 2022 05:09 am
2) 112102.D rinse	VM080322.M	100	1.000	21 Nov 2022 05:32 am
3) 112103.D 10 ppb 8260 CCV 67.. soil/water	VM080322.M	1	1.000	21 Nov 2022 05:55 am
4) 112104.D 02-2647 lcs	VM080322.M water	2	1.000	21 Nov 2022 06:18 am
5) 112105.D 02-2647 lcsd	VM080322.M water	3	1.000	21 Nov 2022 06:41 am
6) 112106.D rinse	VM080322.M	100	1.000	21 Nov 2022 07:04 am
7) 112107.D 02-2647 mb	VM080322.M water	4	1.000	21 Nov 2022 07:27 am
8) 112108.D 02-2770 mb 1/0.25	VM080322.M water	5	1.000	21 Nov 2022 07:50 am
9) 112109.D 211274-14	VM080322.M water	6	1.000	21 Nov 2022 01:11 pm
10) 112110.D 211252-05	VM080322.M water	11	1.000	21 Nov 2022 01:34 pm
11) 112111.D 211304-05	VM080322.M water	7	1.000	21 Nov 2022 01:57 pm
12) 112112.D 211304-06	VM080322.M water	8	1.000	21 Nov 2022 02:20 pm
13) 112113.D 211304-07	VM080322.M water	9	1.000	21 Nov 2022 02:44 pm
14) 112114.D 211304-08	VM080322.M water	10	1.000	21 Nov 2022 03:07 pm
15) 112115.D rinse	VM080322.M water	100	1.000	21 Nov 2022 03:30 pm
16) 112116.D 211252-01	VM080322.M water	12	1.000	21 Nov 2022 04:07 pm
17) 112117.D 211252-02	VM080322.M water	13	1.000	21 Nov 2022 04:30 pm
18) 112118.D 211252-03	VM080322.M water	14	1.000	21 Nov 2022 04:53 pm
19) 112119.D 211252-04	VM080322.M water	15	1.000	21 Nov 2022 05:16 pm
20) 112120.D rinse	VM080322.M water	100	1.000	21 Nov 2022 05:39 pm

EPA 8260D

Checklists

GC/MS ICAL Checklist

Instrument: GC/MS 4

Sequence Date: 11/08/22

Shift # 1

Item	Initial	Date
Shift and Batch		
Initial Calibration Analyzed, Evaluated and Passed	JLM	11/08/22
2 nd source passed	|	|
Analyte retention time checked	|	|
Tune passed	|	|
Non-Conformance Report filled out (if needed)	|	|

Notes: ACETONE LO. IF HIT.

Attach this sheet to raw data package.

Supervisor Initials and Date

GC/MS ICAL Checklist

Instrument: GC/MS 13

Sequence Date: 1.05.22 / 11.07.22 Shift # 1

Item	Initial	Date
Shift and Batch		
Initial Calibration Analyzed, Evaluated and Passed	✓ <i>WY</i>	11.07.22
2nd source passed	✓	|
Analyte retention time checked	✓	|
Tune passed	✓	|
Non-Conformance Report filled out (if needed)	NA	|

Notes: *toluene failed high in SCV 18150 ppb but*
SCV analyzed on 11.07.22 used prep vials
WY 11.07.22

Attach this sheet to raw data package.

YA 11/14/22
 Supervisor Initials and Date

GC/MS Data Daily Checklist

Instrument: GC/MS 4

Sequence Date: 11-19-22

Shift # 2

Item	Initial	Date
Shift and Batch		
All samples analyzed within 12 hour shift	✓	11/22
Internal Standards within limits (50-200% of the CCVs for 8260, 8270; 70-130% for 524.2)	✓	|
Surrogate recoveries within limits	✓	|
Laboratory control sample (LCS) recoveries within limits	✓	|
Matrix spike (MS) analyzed	✓	|
RPDs within limits	✓	|
Continuing Calibration Analyzed, Evaluated and Passed	see below	|
Non-Conformance Report filled out (if needed)		|

Notes: bramantone ↑, Chloroform ↑, Trichloroethylene ↑, PCE ↑, 2,2-dichloro ↑, 1,2-DCP ↑

Attach this sheet to raw data package.

YA 11/22/22
Supervisor Initials and Date

GC/MS Data Daily Checklist

Instrument: GC/MS 13

Sequence Date: 11/01/22

Shift # 1

Item	Initial	Date
Shift and Batch		
All samples analyzed within 12 hour shift	Jm	11/01/22
Internal Standards within limits (50-200% of the CCVs for 8260, 8270; 70-130% for 524.2)	|	|
Surrogate recoveries within limits	|	|
Laboratory control sample (LCS) recoveries within limits	-	|
Matrix spike (MS) analyzed	-	|
RPDs within limits	-	|
Continuing Calibration Analyzed, Evaluated and Passed	|	|
Non-Conformance Report filled out (if needed)	|	|

Notes: PLU + Breakdown ✓

Attach this sheet to raw data package.

Supervisor Initials and Date

GC/MS Data Daily Checklist

Instrument: GC/MS 13

Sequence Date: 11.21.22

Shift # 1

Item	Initial	Date
Shift and Batch		
All samples analyzed within 12 hour shift	✓	11/22
Internal Standards within limits (50-200% of the CCVs for 8260, 8270; 70-130% for 524.2)	✓	|
Surrogate recoveries within limits	✓	
Laboratory control sample (LCS) recoveries within limits	✓	
Matrix spike (MS) analyzed	N	
RPDs within limits	L	
Continuing Calibration Analyzed, Evaluated and Passed	see below	
Non-Conformance Report filled out (if needed)		

Notes: acet, hex, TBA, ETBE, 2,2-dichloro, 1,3-dichloro, 1,2,3-trichloro

Attach this sheet to raw data package.

YA 11/22/22
Supervisor Initials and Date

EPA 8260D
Internal Standard/Surrogate Summaries

GC/MS QA-QC Check Report

Tune File : D:\Proc_GCMS4\11-08-22\110806.D

Tune Time : 8 Nov 2022 11:14 am

Daily Calibration File : D:\Proc_GCMS4\11-08-22\110813.D

(DMF) (DHL) (TOL) (BFB)

86139 72870 48476

File	Sample	Surrogate Recovery %					Internal Standard Responses		
110808.D	0.2 ppb	82	101	100	98	102	89075	74574	48941
110809.D	0.5 ppb	82	99	101	99	102	90028	74657	50024
110810.D	1 ppb	8260	97	95	100	103	88603	74537	47526
110811.D	2 ppb	8260	101	100	97	100	88402	71977	47903
110812.D	5 ppb	8260	98	101	99	100	89475	75227	49685
110813.D	10 ppb	826	102	101	101	100	86139	72870	48476
110814.D	20 ppb	826	101	100	100	99	89724	75215	49913
110815.D	50 ppb	826	99	101	101	99	90079	76555	49605
110816.D	100 ppb	82	100	99	101	99	90209	77727	50521
110817.D	150 ppb	82	101	100	101	100	87265	74546	50457
110818.D	200 ppb	82	101	103	103	95	87283	73762	52648
110820.D	10 ppb	826	102	101	99	96	83510	70248	47550

(fails) - fails 12hr time check * - fails criteria

Created: Tue Nov 08 17:33:41 2022 GCMS4

GC/MS QA-QC Check Report

Tune File : Y:\Proc_GCMS4\11-19-22\111902.D

Tune Time : 19 Nov 2022 2:07 pm

Daily Calibration File : Y:\Proc_GCMS4\11-19-22\111902.D

(DMF) (DHL) (TOL) (BFB)

59152

55747

38050

File	Sample	Surrogate	Recovery %				Internal Standard	Responses
111907.D	02-2765 lc	107	97	109	100	58774	56015	37611
111909.D	02-2765 mb	104	95	105	96	59887	56485	38274
111910.D	211285-01	105	92	104	99	58528	53425	36248
111911.D	211249-01	108	98	104	100	56418	51512	36773
111912.D	211285-01	102	98	109	102	60664	59266	38574
111913.D	211285-01	105	98	107	98	63653	60650	41050

(fails) - fails 12hr time check * - fails criteria

Created: Tue Nov 22 11:44:01 2022 GCMS4

GC/MS QA-QC Check Report

Tune File : D:\Proc_GCMS13\11-05-22\110503.D

Tune Time : 05 Nov 2022 10:22 am

Daily Calibration File : D:\Proc_GCMS13\11-05-22\110514.D

(DMF) (DHL) (TOL) (BFB)

104308

87057

51133

File	Sample	Surrogate Recovery %				Internal Standard Responses		
110506.D	0.02 ppb 8	101	100	99	104	110742	89451	50648
110507.D	0.04 ppb 8	95	104	99	106	111750	92506	50709
110508.D	0.1 ppb 82	102	104	100	105	109470	90583	50314
110509.D	0.2 ppb 8	101	104	97	105	108326	89660	50001
110510.D	0.5 ppb 82	101	95	96	100	111564	90038	50622
110511.D	1 ppb 8260	99	102	101	99	110201	89750	52061
110512.D	2 ppb 8260	100	99	100	98	108368	87014	51026
110513.D	5 ppb 8260	97	97	99	100	109707	88629	50120
110514.D	10 ppb 826	100	105	102	100	104308	87057	51133
110515.D	20 ppb 826	100	97	101	96	105008	89462	52775
110516.D	50 ppb 826	101	94	100	95	104359	89151	54409
110517.D	100 ppb 82	101	98	103	96	105192	89610	53646
110518.D	150 ppb 82	98	100	102	95	106741	92515	56204
110519.D	200 ppb 82	102	103	102	94	105227	91763	54540

(fails) - fails 12hr time check * - fails criteria

Created: Mon Nov 07 15:53:07 2022 GCMS13

GC/MS QA-QC Check Report

Tune File : D:\Proc_GCMS13\11-07-22\110706.D

Tune Time : 07 Nov 2022 10:34 am

Daily Calibration File : D:\Proc_GCMS13\11-07-22\110706.D

(DMF) (DHL) (TOL) (BFB)

107809 88712 52143

File Sample Surrogate Recovery % Internal Standard Responses

=====

110706.D	10 ppb	826	101	103	101	98	107809	88712	52143
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(fails) - fails 12hr time check * - fails criteria

Created: Mon Nov 07 15:51:48 2022 GCMS13

GC/MS QA-QC Check Report

Tune File : D:\Proc_GCMS13\11-19-22\111905.D

Tune Time : 19 Nov 2022 09:44 pm

Daily Calibration File : D:\Proc_GCMS13\11-19-22\111905.D

(DMF) (DHL) (TOL) (BFB)

RF

File	Sample	Surrogate	Recovery %	Internal	Standard	Responses
111908.D	02-2765 mb	104	101	102	94	98900 93855 57108
111909.D	211274-01	97	95	96	95	108206 94744 57258
111910.D	211274-02	96	91	95	97	107291 92938 56317
111911.D	211274-03	106	98	100	97	100314 94264 56660
111912.D	211274-04	105	96	101	96	99656 92879 56506
111913.D	211274-05	104	104	103	96	99589 94508 56069
111914.D	211274-06	105	101	102	95	98759 92257 55539
111915.D	211274-07	104	97	101	98	100019 94013 55245
111916.D	211274-08	104	101	101	95	100579 94045 56588
111917.D	211274-09	104	94	100	94	99956 91649 56869
111918.D	211274-10	104	97	103	97	99184 93873 54545
111919.D	211274-11	95	89	94	97	107962 93439 55678
111920.D	211274-12	96	98	94	98	108530 93740 55210
111921.D	211274-13	98	91	95	95	106070 92784 56293

(fails) - fails 12hr time check * - fails criteria

Created: Mon Nov 21 12:05:02 2022 GCMS13

GC/MS QA-QC Check Report

Tune File : Y:\Proc_GCMS13\11-21-22\112103.D

Tune Time : 21 Nov 2022 05:55 am

Daily Calibration File : Y:\Proc_GCMS13\11-21-22\112103.D

(DMF) (DHL) (TOL) (BFB)

93674 89845 55507

File	Sample	Surrogate Recovery %				Internal Standard Responses		
112104.D	02-2647 lc	103	97	101	94	91928	86416	51669
112105.D	02-2647 lc	97	87	94	91	100313	87404	52656
112107.D	02-2647 mb	108	100	103	98	94688	90378	52314
112108.D	02-2770 mb	97	93	93	96	103784	89271	55241
112109.D	211274-14	119	116	105	87	110624	112638	75626
112110.D	211252-05	106	99	103	93	96770	91919	55437
112111.D	211304-05	106	94	102	96	95342	88981	53006
112112.D	211304-06	105	99	102	95	94797	88192	52282
112113.D	211304-07	107	105	103	97	90893	86573	52725
112114.D	211304-08	107	106	106	94	92258	89807	52666
112116.D	211252-01	99	90	88	92	99903	83936	51982
112117.D	211252-02	105	101	100	98	95084	89394	52290
112118.D	211252-03	97	91	94	94	102433	88438	52546
112119.D	211252-04	104	97	104	97	93711	87513	51640

(fails) - fails 12hr time check * - fails criteria

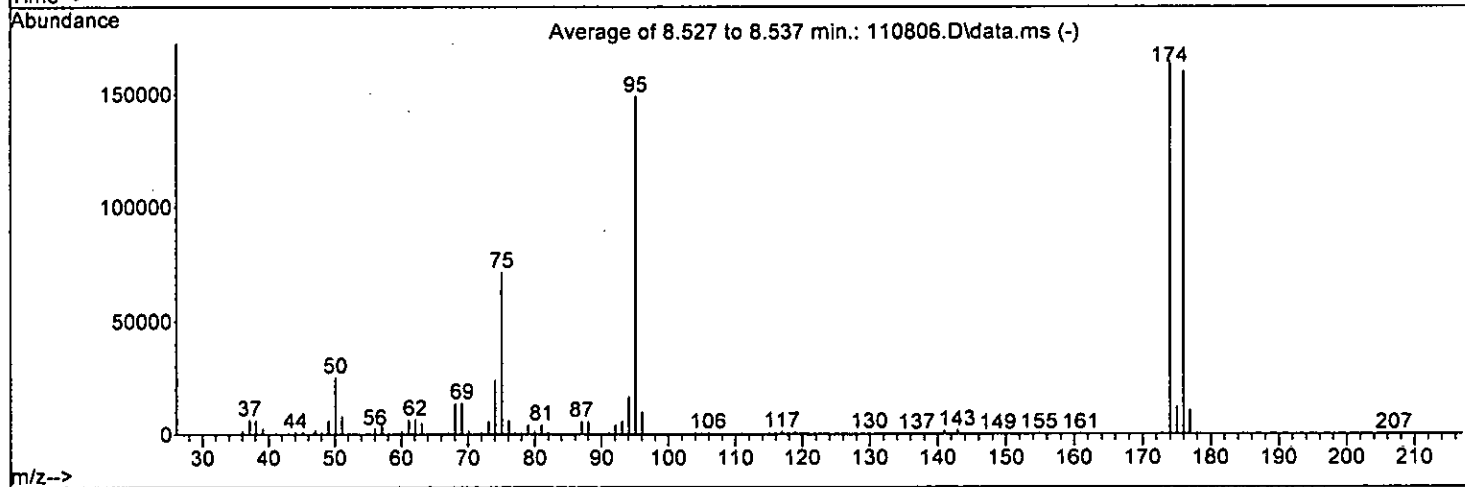
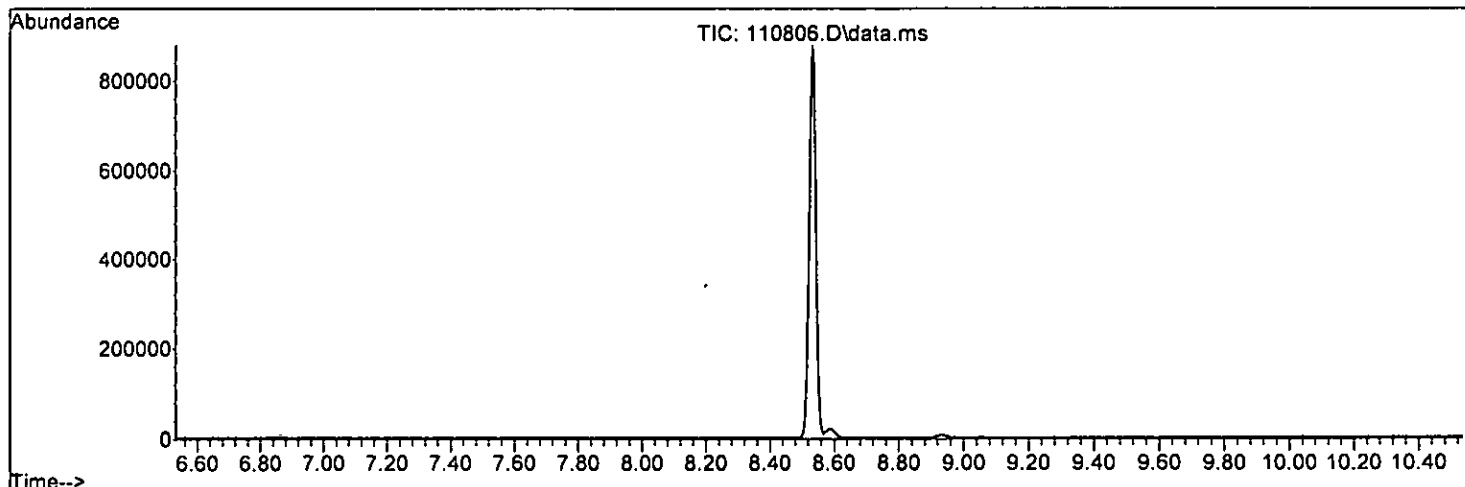
Created: Tue Nov 22 08:19:58 2022 GCMS13

EPA 8260D
Tune Summaries

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110806.D
 Acq On : 8 Nov 2022 11:14 am
 Operator : LM
 Sample : 50 ng 8FB 67-152A
 Misc : direct inject
 ALS Vial : 100 Sample Multiplier: 1

Integration File: LSCINT.P

Method : D:\Methods\Inst4\VB110822ms4.M
 Title : 8260 Purge & Trap Volatiles
 Last Update : Tue Nov 08 16:47:05 2022



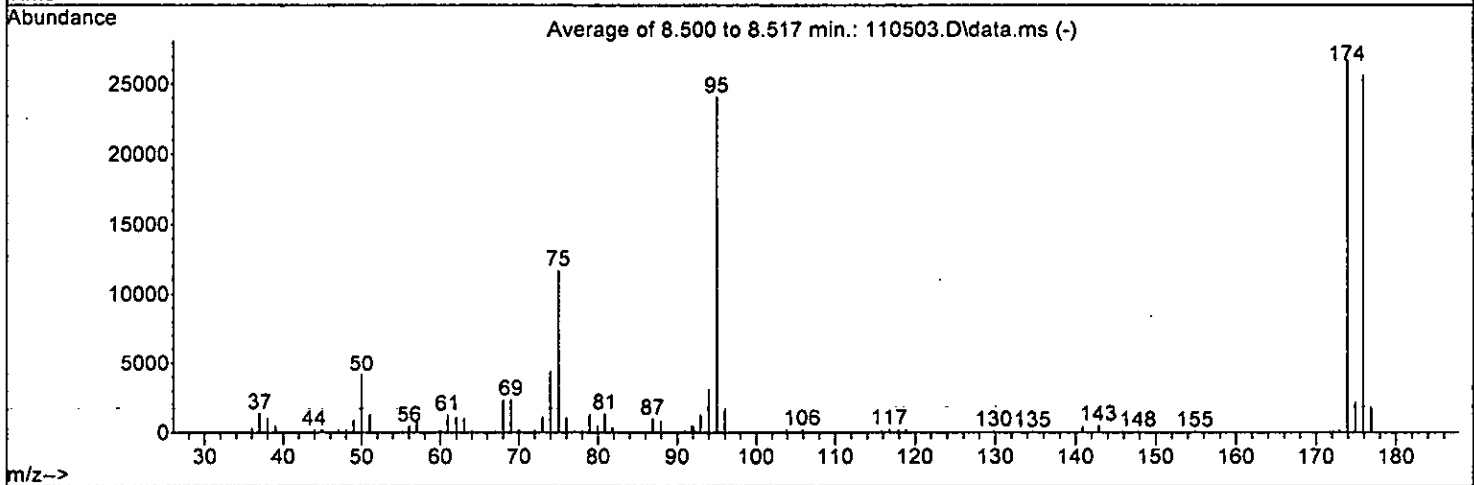
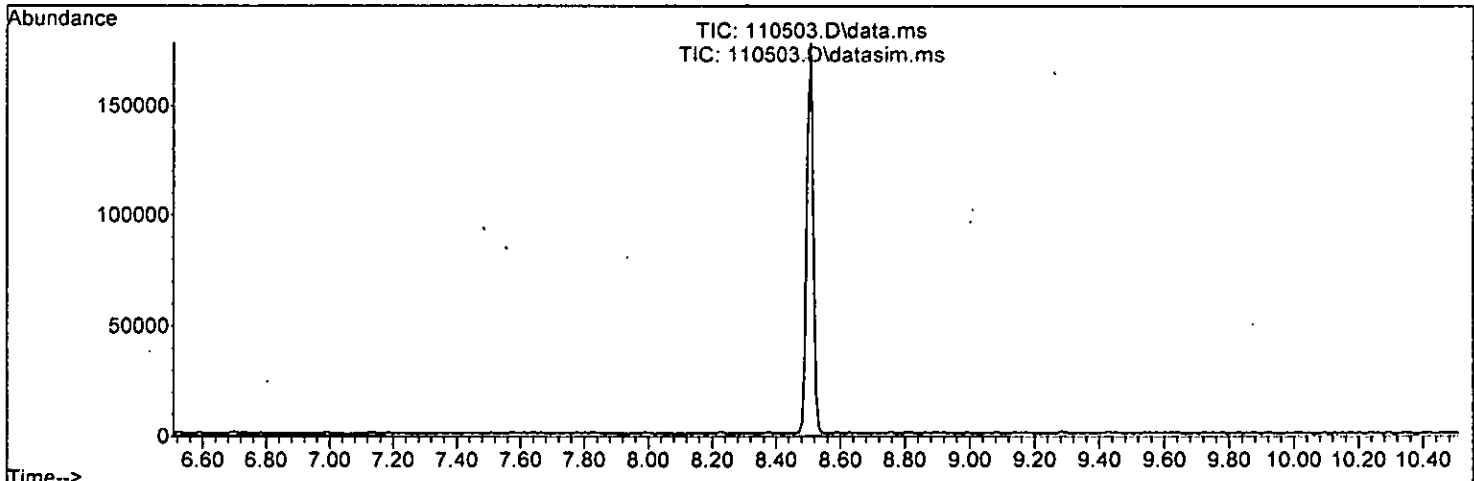
AutoFind: Scans 1519, 1520, 1521; Background Corrected with Scan 1510

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
95	174	50	200	90.7	149152	PASS
96	95	5	9	6.7	10011	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	200	110.2	164392	PASS
175	174	5	9	7.5	12251	PASS
176	174	95	105	97.4	160173	PASS
177	176	5	10	6.6	10611	PASS

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110503.D
 Acq On : 05 Nov 2022 10:22 am
 Operator : VM
 Sample : 50 ng BFB 67-152A
 Misc : water
 ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: LSCINT.P
 Integration File signal 2: rteint2.p

Method : D:\Methods\Inst13\VB110522ms13.M
 Title : 8260 Purge & Trap Volatiles Dual Acquisition
 Last Update : Mon Nov 07 10:10:04 2022



AutoFind: Scans 715, 716, 717; Background Corrected with Scan 709

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
95	174	50	200	90.0	24071	PASS
96	95	5	9	6.7	1621	PASS
173	174	0.00	2	0.6	157	PASS
174	95	50	200	111.1	26747	PASS
175	174	5	9	8.0	2142	PASS
176	174	95	105	95.8	25611	PASS
177	176	5	10	6.9	1773	PASS

EPA 8260D
Initial Calibrations

Compound List Report GCMS4

Method Path : D:\Methods\Inst4\
 Method File : VB110822ms4.M
 Title : 8260 Purge & Trap Volatiles
 Last Update : Tue Nov 08 16:47:05 2022
 Response Via : Initial Calibration

Total Cpnds : 76

PK#	Compound Name	QIon	Exp_RT	Rel_RT	Cal	#Qual	A/H	ID
1	I Fluorobenzene	96	4.78	1.000	A	1	A	B
2	T Ethanol	45	1.07	0.224	A	1	A	B
3	S Dibromofluoromethane	113	4.21	0.882	A	0	A	B
4	T Dichlorodifluoromethane	85	1.17	0.246	A	1	A	B
5	T Chloromethane	50	1.31	0.275	A	1	A	B
6	T Vinyl chloride	62	1.40	0.293	A	1	A	B
7	T Bromomethane	94	1.62	0.340	A	1	A	B
8	T Chloroethane	64	1.70	0.355	A	1	A	B
9	T Trichlorofluoromethane	101	1.90	0.397	A	1	A	B
10	T 2-Propanol	45	2.99	0.625	A	1	A	B
11	T Acetone	58	2.38	0.498	Q	1	A	B
12	T 1,1-Dichloroethene	96	2.32	0.486	A	2	A	B
13	T Hexane	57	3.21	0.672	A	2	A	B
14	T Methylene chloride	84	2.73	0.572	L	2	A	B
15	T t-Butyl alcohol (TBA)	59	2.87	0.600	A	1	A	B
16	T Methyl t-butyl ether (MTBE)	73	2.99	0.625	A	1	A	B
17	T trans-1,2-Dichloroethene	96	2.97	0.621	A	2	A	B
18	T Diisopropyl ether (DIPE)	45	3.40	0.712	A	3	A	B
19	T 1,1-Dichloroethane	63	3.32	0.696	A	2	A	B
20	T Ethyl t-butyl ether (ETBE)	87	3.71	0.776	A	3	A	B
21	T 2,2-Dichloropropane	77	3.81	0.797	Q	1	A	B
22	T cis-1,2-Dichloroethene	96	3.81	0.797	A	2	A	B
23	T Chloroform	83	4.08	0.853	L	1	A	B
24	T 2-Butanone (MEK)	43	3.83	0.802	A	2	A	B
25	T t-Amyl methyl ether (TAME)	73	4.65	0.974	A	2	A	B
26	T 1,2-Dichloroethane (EDC)	62	4.55	0.953	A	1	A	B
27	T 1,1,1-Trichloroethane	97	4.23	0.886	A	2	A	B
28	T 1,1-Dichloropropene	75	4.37	0.915	A	2	A	B
29	T Carbon tetrachloride	117	4.37	0.915	A	1	A	B
30	S 1,2-Dichloroethane-d4	102	4.49	0.940	A	0	A	B
31	T Benzene	78	4.54	0.951	A	1	A	B
32	T Trichloroethene	95	5.09	1.064	A	3	A	B
33	T 1,2-Dichloropropane	63	5.28	1.105	A	1	A	B
34	T Bromodichloromethane	83	5.51	1.153	A	2	A	B
35	S Toluene-d8	98	6.14	1.285	A	0	A	B
36	T Dibromomethane	93	5.37	1.125	A	2	A	B
37	T 4-Methyl-2-pentanone	85	6.05	1.266	A	3	A	B
38	T cis-1,3-Dichloropropene	75	5.90	1.235	A	2	A	B
39	I Chlorobenzene-d5	117	7.43	1.000	A	0	A	B
40	T Toluene	92	6.20	0.834	A	1	A	B
41	T trans-1,3-Dichloropropene	75	6.39	0.859	A	2	A	B
42	T 1,1,2-Trichloroethane	83	6.55	0.882	A	2	A	B
43	T 2-Hexanone	43	6.79	0.913	A	3	A	B
44	T 1,3-Dichloropropane	76	6.70	0.902	A	1	A	B
45	T Tetrachloroethene	164	6.69	0.899	A	3	A	B
46	T Dibromochloromethane	129	6.91	0.929	Q	1	A	B
47	T 1,2-Dibromoethane (EDB)	107	7.00	0.942	A	2	A	B
48	T Chlorobenzene	112	7.46	1.003	A	2	A	B
49	T Ethylbenzene	91	7.57	1.018	A	1	A	B
50	T 1,1,1,2-Tetrachloroethane	131	7.54	1.014	A	2	A	B
51	T m,p-Xylene	106	7.68	1.033	A	1	A	B
52	T o-Xylene	106	8.05	1.082	A	1	A	B
53	T Styrene	104	8.06	1.084	A	1	A	B
54	T Isopropylbenzene	105	8.40	1.130	A	1	A	B
55	T Bromoform	173	8.22	1.106	Q	2	A	B

56	I	1,4-Dichlorobenzene-d4	152	9.65	1.000	A	2	A	B
57	S	4-Bromofluorobenzene	95	8.54	0.885	A	2	A	B
58	T	n-Propylbenzene	91	8.79	0.911	A	1	A	B
59	T	Bromobenzene	156	8.68	0.899	A	2	A	B
60	T	1,3,5-Trimethylbenzene	105	8.97	0.929	A	1	A	B
61	T	1,1,2,2-Tetrachloroethane	83	8.68	0.899	A	2	A	B
62	T	1,2,3-Trichloropropane	75	8.71	0.903	A	1	A	R
63	T	2-Chlorotoluene	91	8.87	0.919	A	1	A	B
64	T	4-Chlorotoluene	91	8.97	0.930	A	1	A	B
65	T	tert-Butylbenzene	119	9.28	0.962	A	2	A	B
66	T	1,2,4-Trimethylbenzene	105	9.33	0.966	A	1	A	B
67	T	sec-Butylbenzene	105	9.49	0.984	A	1	A	B
68	T	p-Isopropyltoluene	119	9.64	0.998	A	2	A	B
69	T	1,3-Dichlorobenzene	146	9.59	0.994	A	2	A	B
70	T	1,4-Dichlorobenzene	146	9.68	1.003	A	2	A	B
71	T	1,2-Dichlorobenzene	146	10.04	1.040	A	2	A	B
72	T	1,2-Dibromo-3-chloropropane	75	10.80	1.119	A	2	A	B
73	T	1,2,4-Trichlorobenzene	180	11.62	1.204	A	2	A	B
74	T	Hexachlorobutadiene	225	11.81	1.223	A	2	A	B
75	T	Naphthalene	128	11.86	1.229	A	2	A	B
76	T	1,2,3-Trichlorobenzene	180	12.10	1.254	A	2	A	B

Cal A = Average L = Linear LO = Linear w/origin Q = Quad QO = Quad w/origin

#Qual = number of qualifiers

A/H = Area or Height

ID R = R.T. B = R.T. & Q Q = Qvalue L = Largest A = All

VB110822ms4.M Tue Nov 08 17:32:05 2022

Calibration Status Report GCMS4

Method Path : D:\Methods\Inst4\
 Method File : VB110822ms4.M
 Title : 8260 Purge & Trap Volatiles
 Last Update : Tue Nov 08 16:47:05 2022
 Response Via : Initial Calibration

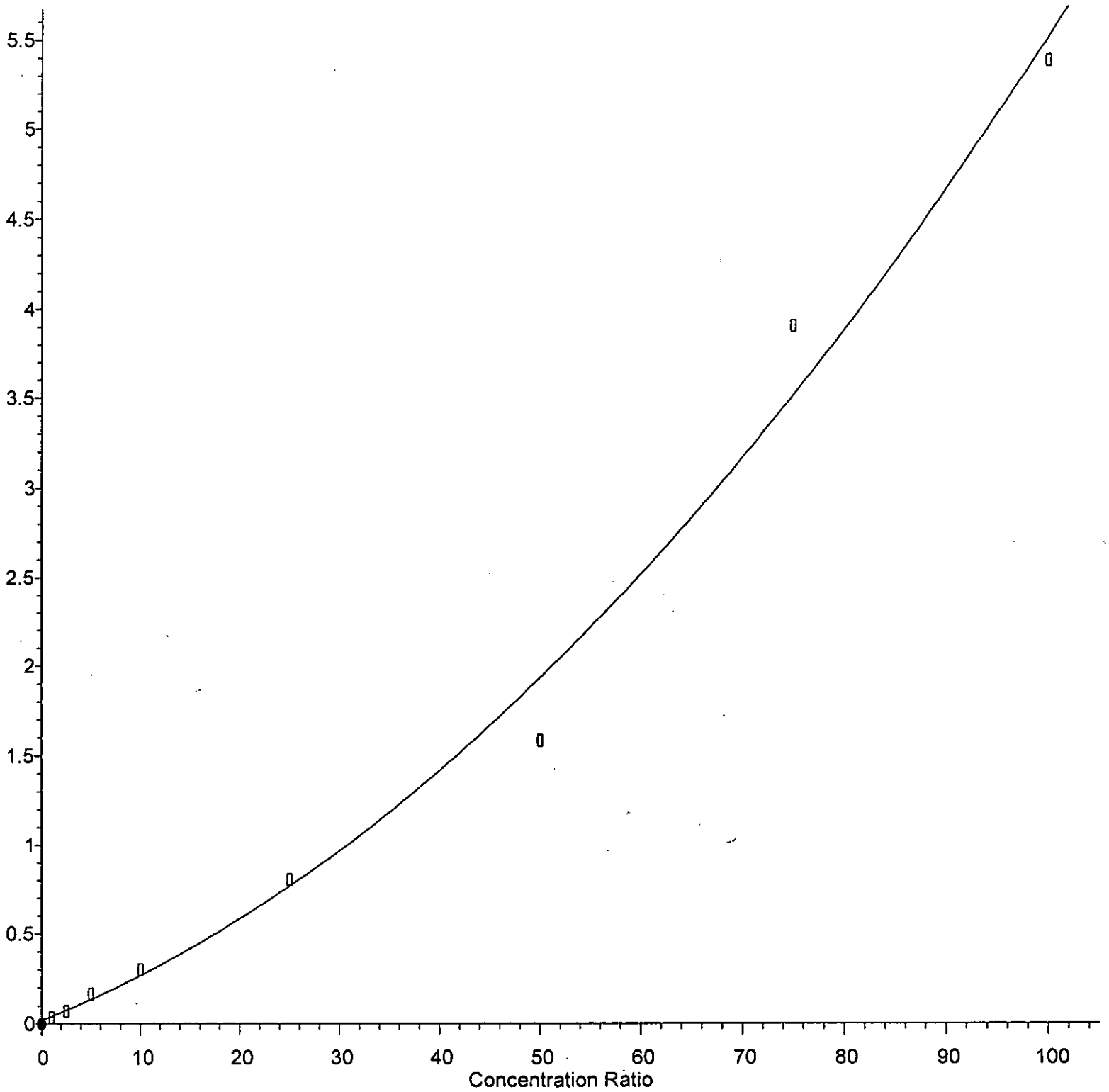
#	ID	Conc	ISTD Conc	Path\File
2	0.2	10	10	D:\Proc_GCMS4\11-08-22\110808.D
3	0.5	10	10	D:\Proc_GCMS4\11-08-22\110809.D
4	1	10	10	D:\Proc_GCMS4\11-08-22\110810.D
5	2	10	10	D:\Proc_GCMS4\11-08-22\110811.D
6	5	10	10	D:\Proc_GCMS4\11-08-22\110812.D
7	10	10	10	D:\Proc_GCMS4\11-08-22\110813.D
8	20	10	10	D:\Proc_GCMS4\11-08-22\110814.D
9	50	10	10	D:\Proc_GCMS4\11-08-22\110815.D
10	100	10	10	D:\Proc_GCMS4\11-08-22\110816.D
11	150	10	10	D:\Proc_GCMS4\11-08-22\110817.D

#	ID	Update Time	Quant Time	Acquisition Time
2	0.2	Nov 08 16:43 2022	Nov 08 16:36 2022	8 Nov 2022 12:05 pm
3	0.5	Nov 08 16:43 2022	Nov 08 16:40 2022	8 Nov 2022 12:29 pm
4	1	Nov 08 16:43 2022	Nov 08 16:41 2022	8 Nov 2022 12:53 pm
5	2	Nov 08 16:43 2022	Nov 08 16:41 2022	8 Nov 2022 1:17 pm
6	5	Nov 08 16:43 2022	Nov 08 16:36 2022	8 Nov 2022 1:42 pm
7	10	Nov 08 16:43 2022	Nov 08 16:36 2022	8 Nov 2022 2:06 pm
8	20	Nov 08 16:43 2022	Nov 08 16:36 2022	8 Nov 2022 2:30 pm
9	50	Nov 08 16:43 2022	Nov 08 16:41 2022	8 Nov 2022 2:55 pm
10	100	Nov 08 16:43 2022	Nov 08 16:41 2022	8 Nov 2022 3:19 pm
11	150	Nov 08 16:43 2022	Nov 08 16:42 2022	8 Nov 2022 3:43 pm

VB110822ms4.M Tue Nov 08 17:32:09 2022

Acetone

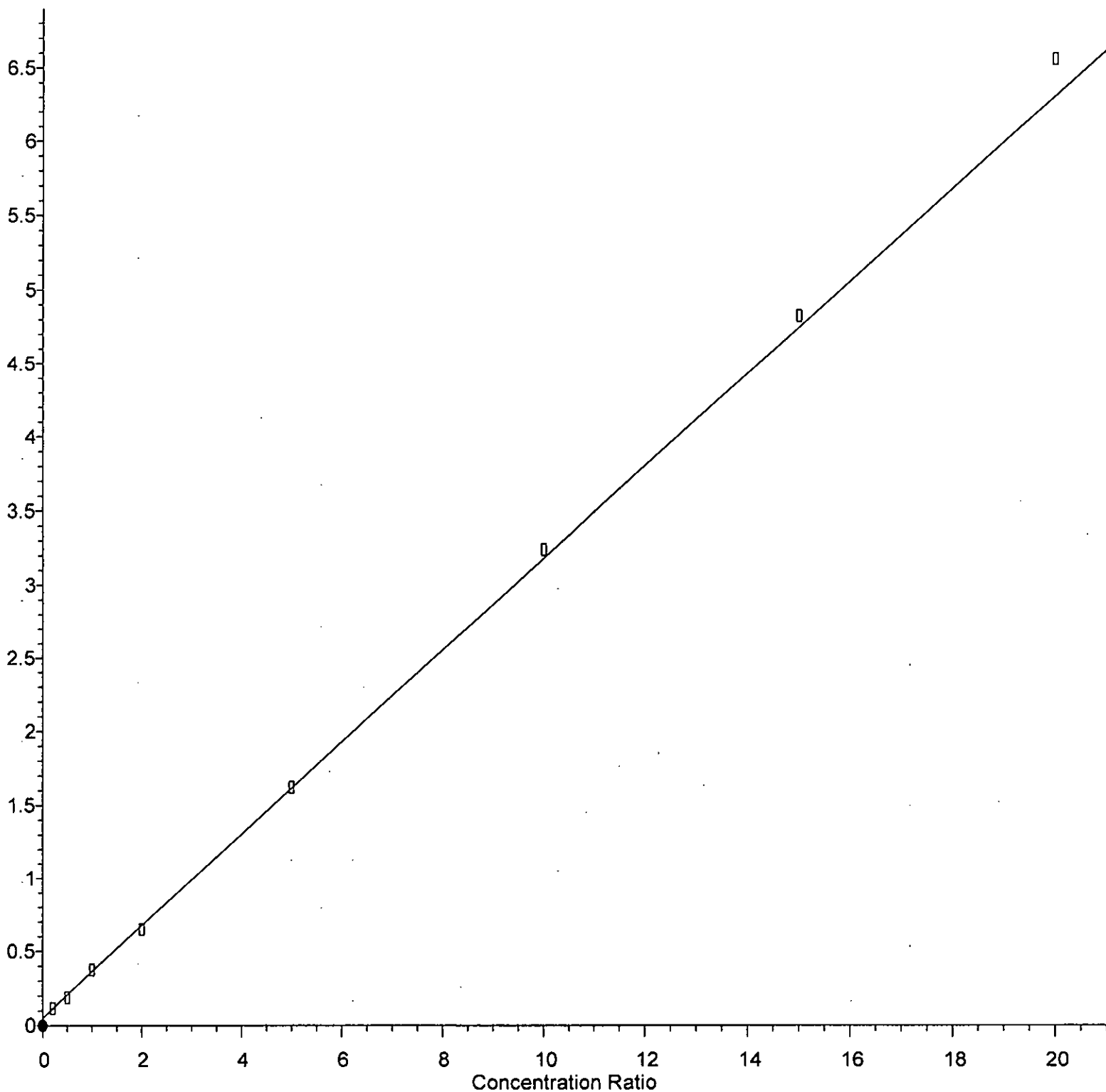
Response Ratio



$R = 3.368e-004 A^2 + 2.144e-002 A + 1.929e-002$
Coef of Det (r^2) = 0.990664 Curve Fit: Quadratic w(1/a)
Method Name: D:\Methods\Inst4\VB110822ms4.M
Calibration Table Last Updated: Tue Nov 08 16:47:05 2022

Methylene chloride

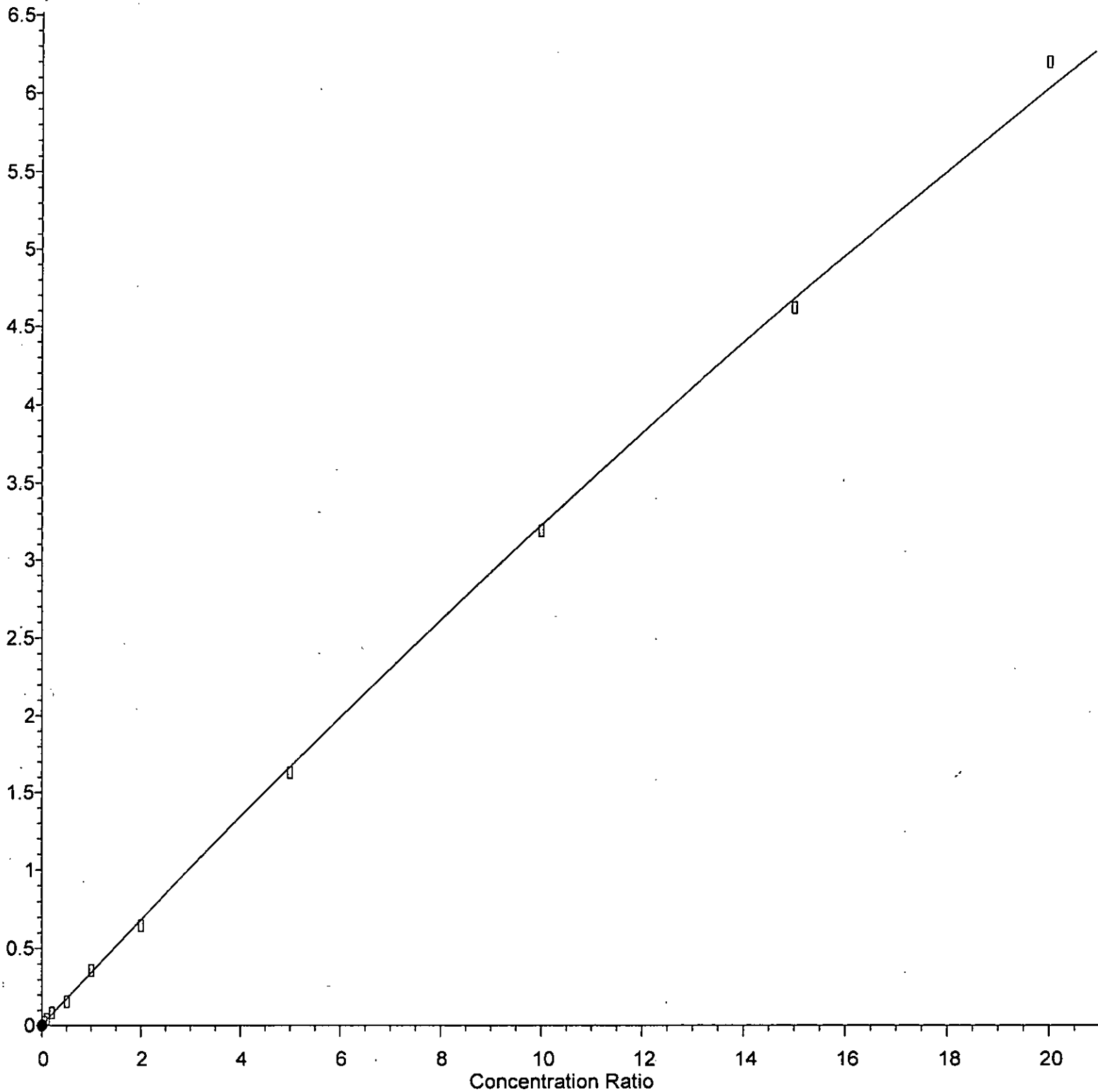
Response Ratio



Response = 3.130e-001 * Amt + 5.033e-002
Coef of Det (r^2) = 0.995771 Curve Fit: wlr(1/a^2)
Method Name: D:\Methods\Inst4\VB110822ms4.M
Calibration Table Last Updated: Tue Nov 08 16:47:05 2022

2,2-Dichloropropane

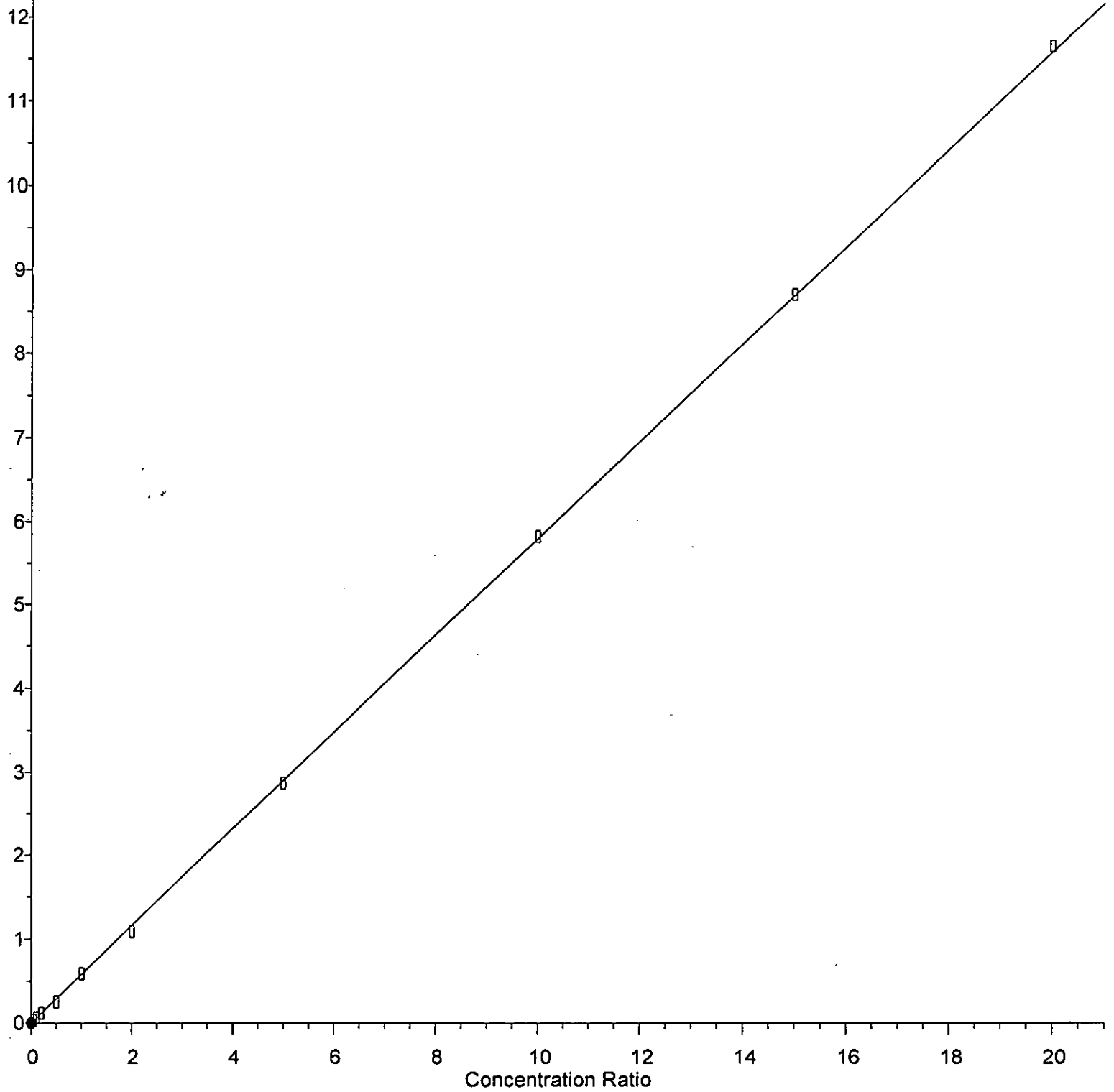
Response Ratio



R = -2.037e-003 A*A + 3.424e-001 A + 5.222e-003
Coef of Det (r^2) = 0.992815 Curve Fit: Quadratic w(1/a^2)
Method Name: D:\Methods\Inst4\VB110822ms4.M
Calibration Table Last Updated: Tue Nov 08 16:47:05 2022

Chloroform

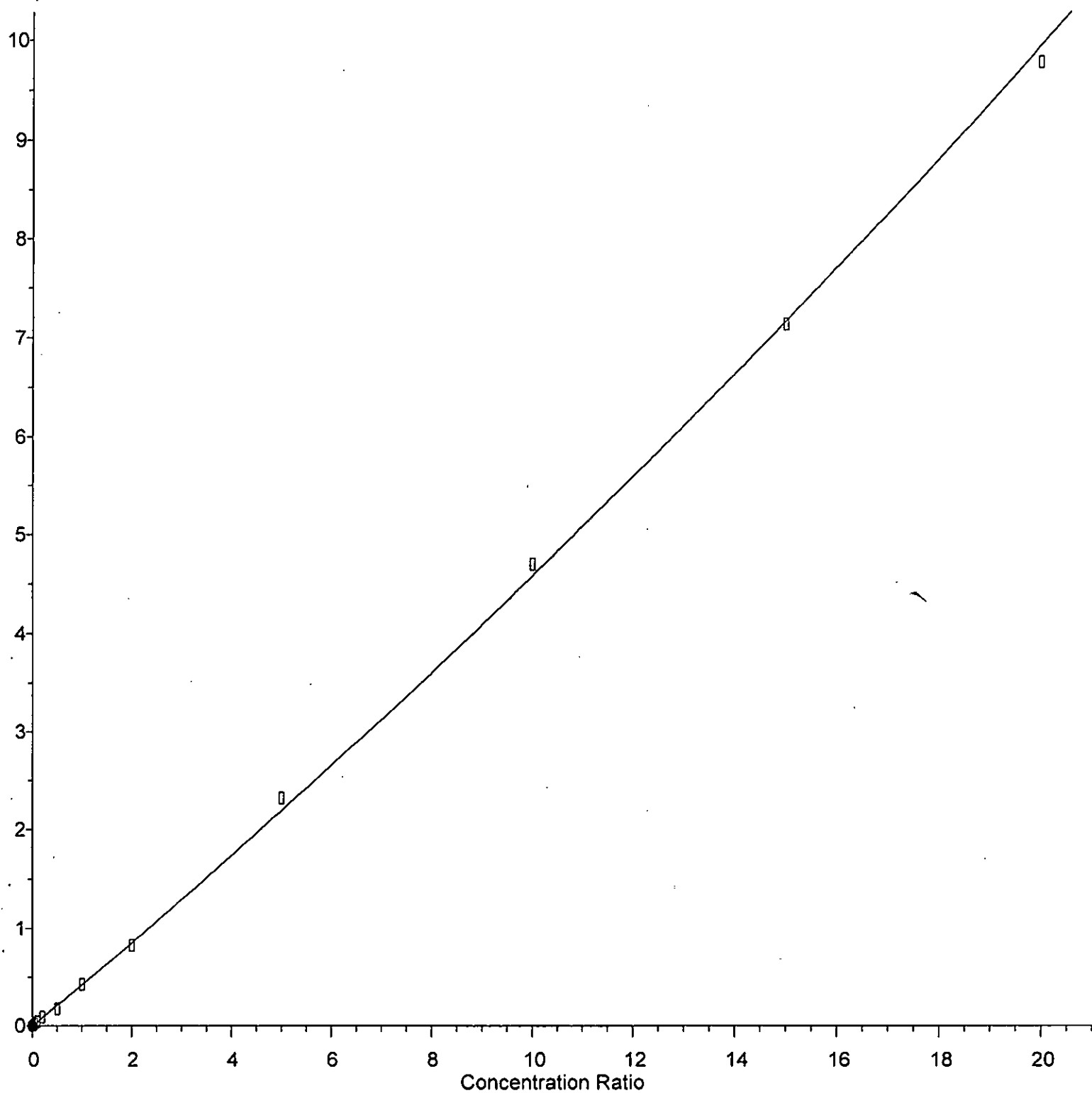
Response Ratio



Response = $5.799e-001 * Amt + 7.110e-004$
Coef of Det (r^2) = 0.999640 Curve Fit: wlr(1/a)
Method Name: D:\Methods\Inst4\VB110822ms4.M
Calibration Table Last Updated: Tue Nov 08 16:47:05 2022

Dibromochloromethane

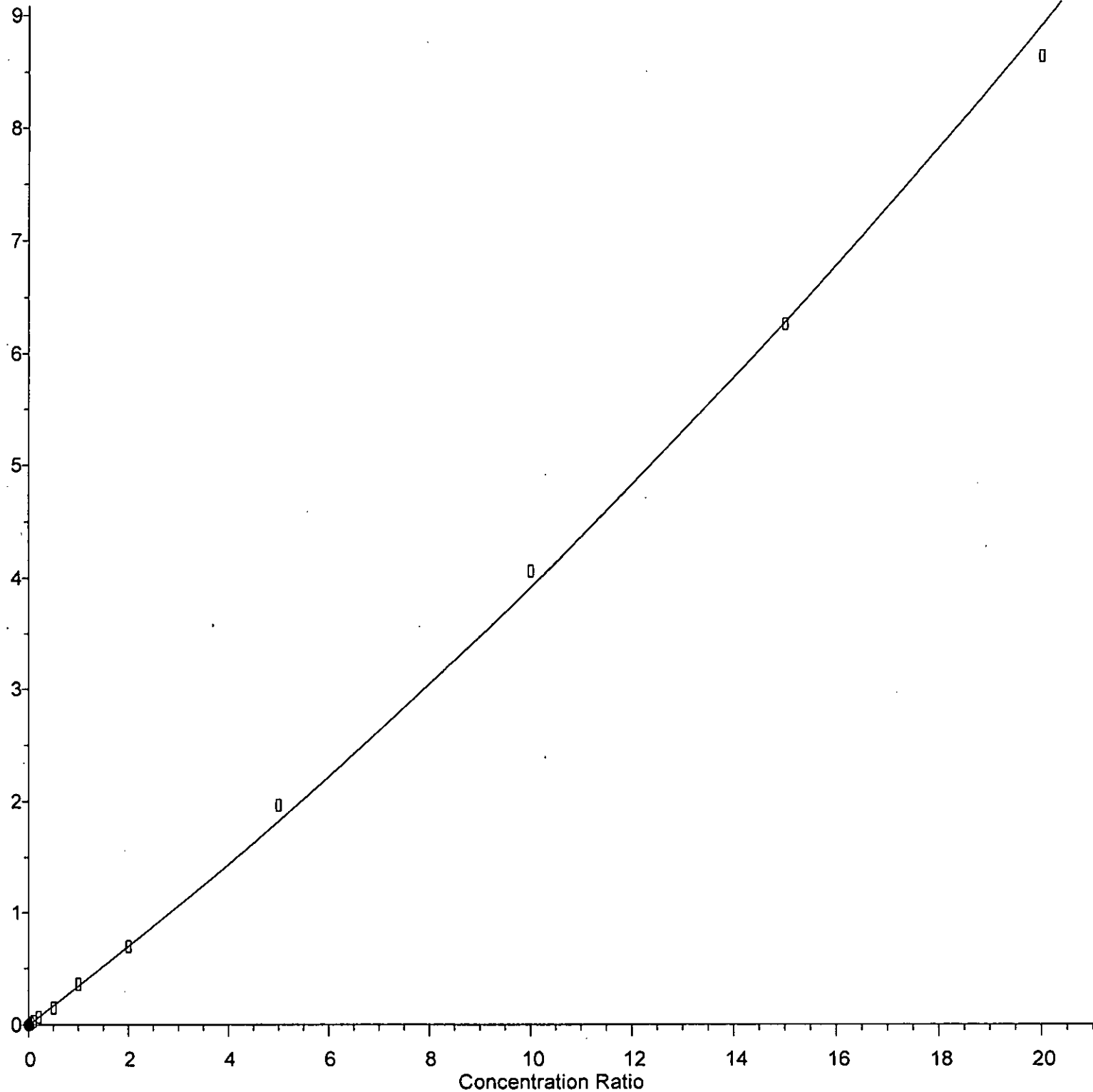
Response Ratio



$R = 3.961e-003 A^2 + 4.190e-001 A - 1.177e-003$
Coef of Det (r^2) = 0.995762 Curve Fit: Quadratic w(1/a^2)
Method Name: D:\Methods\Inst4\VB110822ms4.M
Calibration Table Last Updated: Tue Nov 08 16:47:05 2022

Bromoform

Response Ratio



$R = 5.456e-003 A^2 + 3.370e-001 A - 1.999e-004$
Coef of Det (r^2) = 0.996640 Curve Fit: Quadratic w(1/a^2)
Method Name: D:\Methods\Inst4\VB110822ms4.M
Calibration Table Last Updated: Tue Nov 08 16:47:05 2022

Response Factor Report GCMS4

Method Path : D:\Methods\Inst4\
 Method File : V8110822ms4.M
 Title : 8260 Purge & Trap Volatiles
 Last Update : Tue Nov 08 16:47:05 2022
 Response Via : Initial Calibration

Calibration Files
 0.2 =110808.D 0.5 =110809.D 1 =110810.D 2 =110811.D 5 =110812.D 10 =110813.D 20 =110814.D 50 =110815.D 100 =110816.D 150 =110817.D
 200 =110818.D

Compound	0.2	0.5	1	2	5	10	20	50	100	150	200	Avg	%RSD	
1) I Fluorobenzene												0.000#	-1.00	
2) TMP Ethanol														
3) 5 Dibromofluorom...			0.273	0.268	0.278	0.271	0.282	0.277	0.271	0.274	0.278	0.277	0.275	1.54
4) TMP Dichlorodifluo...			0.319	0.394	0.372	0.447	0.410	0.429	0.430	0.439	0.445	0.410	10.28	
5) TMP Chloromethane				0.425	0.341	0.401	0.358	0.372	0.380	0.376	0.385	0.380	6.79	
6) TMP Vinyl chloride		0.260	0.363	0.379	0.366	0.328	0.392	0.352	0.373	0.380	0.383	0.386	0.360	10.45
7) TMP Bromomethane				0.175	0.222	0.143	0.174	0.142	0.155	0.161			0.168	16.44
8) TMP Chloroethane				0.216	0.216	0.168	0.191	0.170	0.178	0.179	0.199	0.184	0.189	9.60
9) TMP Trichlorofluor...				0.541	0.583	0.486	0.574	0.525	0.570	0.583	0.590	0.605	0.562	6.69
10) TMP 2-Propanol													0.000	-1.00
11) TMP Acetone					0.035	0.028	0.033	0.030	0.032	0.032	0.052	0.054	0.037	27.39
12) TMP 1,1-Dichloroet...		0.399	0.385	0.351	0.351	0.281	0.325	0.304	0.315	0.318	0.317	0.323	0.333	10.51
13) TMP Hexane				0.418	0.388	0.306	0.342	0.313	0.335	0.335	0.329	0.370	0.348	10.52
14) TMP Methylene chlo...				0.579	0.375	0.375	0.325	0.325	0.324	0.322	0.328	0.369	23.76	
15) TMP t-Butyl alcoho...				0.059	0.052	0.045	0.052	0.049	0.052	0.052	0.050	0.051	0.051	7.02
16) TMP Methyl t-butyl...		0.895	1.025	1.018	1.041	0.851	0.990	0.912	0.965	0.980	0.994	1.015	0.971	6.22
17) TMP trans-1,2-Dich...		0.440	0.353	0.383	0.363	0.299	0.347	0.317	0.340	0.343	0.343	0.353	0.353	10.24
18) TMP Diisopropyl et...		0.950	0.948	0.962	0.925	0.753	0.872	0.821	0.876	0.885	0.891	0.890	0.889	6.88
19) TMP 1,1-Dichloroet...		0.575	0.562	0.577	0.561	0.461	0.535	0.493	0.525	0.530	0.532	0.542	0.536	6.53
20) TMP Ethyl t-butyl ...				0.428	0.460	0.451	0.371	0.430	0.397	0.428	0.432	0.427	0.426	5.92
21) TMP 2,2-Dichloropr...				0.425	0.422	0.414	0.312	0.358	0.323	0.326	0.319	0.308	0.310	14.07
22) TMP cis-1,2-Dichlo...		0.474	0.393	0.412	0.403	0.320	0.370	0.347	0.364	0.369	0.372	0.376	0.382	10.38
23) TMP Chloroform				0.639	0.620	0.606	0.505	0.589	0.545	0.575	0.583	0.581	0.584	6.43
24) TMP 2-Butanone (MEK)				0.223	0.193	0.184	0.154	0.173	0.161	0.175	0.177	0.206	0.214	12.12
25) TMP t-Amyl methyl ...		0.998	0.991	0.985	1.031	0.825	0.975	0.899	0.965	0.977	0.965	0.987	0.964	5.78
26) TMP 1,2-Dichloroet...		0.466	0.453	0.467	0.475	0.374	0.434	0.406	0.436	0.438	0.432	0.439	0.438	6.58
27) TMP 1,1,1-Trichlor...		0.591	0.537	0.560	0.569	0.453	0.532	0.495	0.522	0.532	0.531	0.534	0.532	6.86
28) TMP 1,1-Dichloropr...		0.496	0.469	0.482	0.468	0.382	0.438	0.406	0.438	0.448	0.447	0.458	0.448	7.30
29) TMP Carbon tetrach...		0.498	0.491	0.504	0.496	0.395	0.471	0.446	0.477	0.495	0.493	0.505	0.479	6.82
30) S 1,2-Dichloroet...		0.064	0.064	0.060	0.063	0.064	0.064	0.063	0.064	0.063	0.063	0.063	0.063	1.88
31) TMP Benzene		1.428	1.356	1.336	1.391	1.075	1.258	1.159	1.273	1.289	1.278	1.300	1.286	7.81
32) TMP Trichloroethene		0.432	0.410	0.392	0.374	0.307	0.357	0.325	0.352	0.358	0.391	0.405	0.373	10.13
33) TMP 1,2-Dichloropr...		0.249	0.301	0.306	0.302	0.245	0.289	0.268	0.289	0.294	0.291	0.295	0.284	7.45
34) TMP Bromodichlorom...		0.447	0.463	0.440	0.451	0.348	0.419	0.394	0.436	0.447	0.447	0.456	0.432	7.79
35) S Toluene-d8		0.984	0.995	0.998	0.976	0.992	1.009	1.005	1.009	1.008	1.017	1.028	1.002	1.48
36) TMP Dibromomethane		0.212	0.226	0.228	0.228	0.183	0.218	0.203	0.217	0.220	0.218	0.220	0.216	6.05
37) TMP 4-Methyl-2-pen...		0.075	0.087	0.076	0.076	0.065	0.075	0.071	0.079	0.081	0.079	0.081	0.077	7.91

Response Factor Report GCMS4

Method Path : D:\Methods\Inst4\
 Method File : VB110822ms4.M
 Title : 8260 Purge & Trap Volatiles
 38) TMP cis-1,3-Dichlo... 0.518 0.513 0.535 0.502 0.431 0.502 0.466 0.512 0.522 0.520 0.525 0.504 5.96

39) I Chlorobenzene-d5 -----ISTD-----

40) TMP Toluene	0.975	1.005	1.043	1.057	0.809	0.942	0.905	0.971	0.966	0.971	1.002	0.968	7.02
41) TMP trans-1,3-Dich...	0.596	0.538	0.592	0.555	0.470	0.546	0.519	0.559	0.570	0.563	0.573	0.553	6.39
42) TMP 1,1,2-Trichlor...	0.321	0.290	0.320	0.316	0.252	0.287	0.270	0.292	0.293	0.288	0.294	0.293	7.11
43) TMP 2-Hexanone	0.381	0.319	0.328	0.276	0.317	0.296	0.326	0.323	0.317	0.322	0.320	0.320	8.25
44) TMP 1,3-Dichloropr...	0.550	0.611	0.584	0.582	0.469	0.553	0.524	0.571	0.577	0.567	0.573	0.560	6.67
45) TMP Tetrachloroethene	0.420	0.451	0.458	0.472	0.369	0.419	0.403	0.430	0.433	0.431	0.452	0.431	6.62
46) TMP Dibromochlorom...	0.351	0.413	0.419	0.444	0.351	0.425	0.414	0.464	0.470	0.476	0.490	0.429	10.92
47) TMP 1,2-Dibromoeth...	0.408	0.415	0.420	0.412	0.334	0.397	0.378	0.409	0.404	0.399	0.403	0.398	5.99
48) TMP Chlorobenzene	1.205	1.227	1.228	1.199	0.967	1.144	1.064	1.148	1.139	1.138	1.171	1.148	6.69
49) TMP Ethylbenzene	2.069	1.944	1.935	1.946	1.552	1.811	1.695	1.831	1.814	1.814	1.886	1.845	7.50
50) TMP 1,1,1,2-Tetrac...	0.394	0.448	0.451	0.463	0.349	0.426	0.402	0.432	0.432	0.435	0.449	0.426	7.66
51) TMP m,p-Xylene	0.786	0.789	0.774	0.791	0.619	0.626	0.731	0.693	0.736	0.748	0.750	0.746	6.70
52) TMP o-Xylene	0.871	0.752	0.792	0.769	0.619	0.619	0.728	0.679	0.726	0.721	0.733	0.764	8.59
53) TMP Styrene	1.252	1.267	1.277	1.364	1.086	1.264	1.172	1.257	1.286	1.335	1.258	1.258	5.93
54) TMP Isopropylbenzene	1.989	2.022	1.982	1.989	1.580	1.849	1.718	1.835	1.843	1.870	1.983	1.878	7.25
55) TMP Bromoform	0.337	0.309	0.335	0.345	0.299	0.360	0.348	0.393	0.406	0.418	0.432	0.362	12.23

56) I 1,4-Dichlorobenzen... -----ISTD-----

57) S 4-Bromofluorob...	0.718	0.712	0.724	0.698	0.705	0.702	0.697	0.697	0.694	0.699	0.668	0.701	2.09
58) TMP n-Propylbenzene	3.671	3.342	3.527	3.266	2.630	3.091	2.878	3.130	3.137	3.059	3.087	3.165	9.05
59) TMP Bromobenzene	0.937	0.952	1.027	0.987	0.794	0.921	0.849	0.922	0.920	0.887	0.878	0.916	6.98
60) TMP 1,3,5-Trimethyl...	2.483	2.396	2.536	2.411	1.966	2.272	2.149	2.335	2.388	2.361	2.402	2.336	6.83
61) TMP 1,1,2,2-Tetrac...	0.913	0.871	0.901	0.860	0.696	0.812	0.754	0.830	0.831	0.713	0.686	0.806	10.13
62) TMP 1,2,3-Trichlor...	0.646	0.651	0.688	0.638	0.528	0.622	0.564	0.618	0.611	0.581	0.569	0.610	7.58
63) TMP 2-Chlorotoluene	2.051	2.074	1.993	2.022	1.630	1.854	1.728	1.860	1.883	1.843	1.846	1.890	7.25
64) TMP 4-Chlorotoluene	2.424	2.387	2.484	2.337	1.893	2.206	2.023	2.225	2.292	2.251	2.262	2.253	7.63
65) TMP tert-Butylbenzene	2.144	2.201	2.261	2.176	1.747	2.035	1.899	2.038	2.076	2.034	2.075	2.062	6.97
66) TMP 1,2,4-Trimethyl...	2.585	2.635	2.693	2.567	2.041	2.360	2.201	2.384	2.437	2.406	2.455	2.433	7.87
67) TMP sec-Butylbenzene	2.987	2.846	3.042	2.882	2.335	2.707	2.537	2.748	2.797	2.735	2.840	2.769	7.17
68) TMP p-Isopropyltol...	2.589	2.666	2.836	2.653	2.100	2.457	2.292	2.500	2.558	2.504	2.627	2.526	7.81
69) TMP 1,3-Dichlorobe...	1.789	1.662	1.772	1.715	1.374	1.615	1.489	1.597	1.629	1.597	1.626	1.624	7.32
70) TMP 1,4-Dichlorobe...	1.798	1.773	1.834	1.803	1.421	1.646	1.520	1.637	1.666	1.654	1.676	1.675	7.49
71) TMP 1,2-Dichlorobe...	1.698	1.630	1.775	1.682	1.329	1.573	1.466	1.569	1.615	1.593	1.615	1.595	7.45
72) TMP 1,2-Dibromo-3-...	0.180	0.153	0.139	0.169	0.157	0.173	0.181	0.175	0.177	0.177	0.167	0.167	8.59
73) TMP 1,2,4-Trichlor...	1.174	1.309	1.347	1.261	1.076	1.179	1.123	1.218	1.236	1.128	1.204	1.200	7.52
74) TMP Hexachlorobuta...	0.422	0.523	0.529	0.486	0.418	0.440	0.434	0.468	0.473	0.419	0.477	0.463	8.56
75) TMP Naphthalene	2.729	3.048	3.230	3.055	2.536	2.962	2.804	3.092	3.133	2.900	3.034	2.957	6.79
76) TMP 1,2,3-Trichlor...	1.065	1.217	1.264	1.224	0.969	1.139	1.064	1.168	1.179	1.057	1.150	1.136	7.78

(#) = Out of Range

GC/MS QA-QC Check Report

Tune File : D:\Proc_GCMS4\11-08-22\110806.D

Tune Time : 8 Nov 2022 11:14 am

Daily Calibration File : D:\Proc_GCMS4\11-08-22\110813.D

(DMF) (DHL) (TOL) (BFB)

86139 72870 48476

File	Sample	Surrogate Recovery %					Internal Standard Responses		
110808.D	0.2 ppb 82	101	100	98	102	89075	74574	48941	
110809.D	0.5 ppb 82	99	101	99	102	90028	74657	50024	
110810.D	1 ppb 8260	97	95	100	103	88603	74537	47526	
110811.D	2 ppb 8260	101	100	97	100	88402	71977	47903	
110812.D	5 ppb 8260	98	101	99	100	89475	75227	49685	
110813.D	10 ppb 826	102	101	101	100	86139	72870	48476	
110814.D	20 ppb 826	101	100	100	99	89724	75215	49913	
110815.D	50 ppb 826	99	101	101	99	90079	76555	49605	
110816.D	100 ppb 82	100	99	101	99	90209	77727	50521	
110817.D	150 ppb 82	101	100	101	100	87265	74546	50457	
110818.D	200 ppb 82	101	103	103	95	87283	73762	52648	
110820.D	10 ppb 826	102	101	99	96	83510	70248	47550	

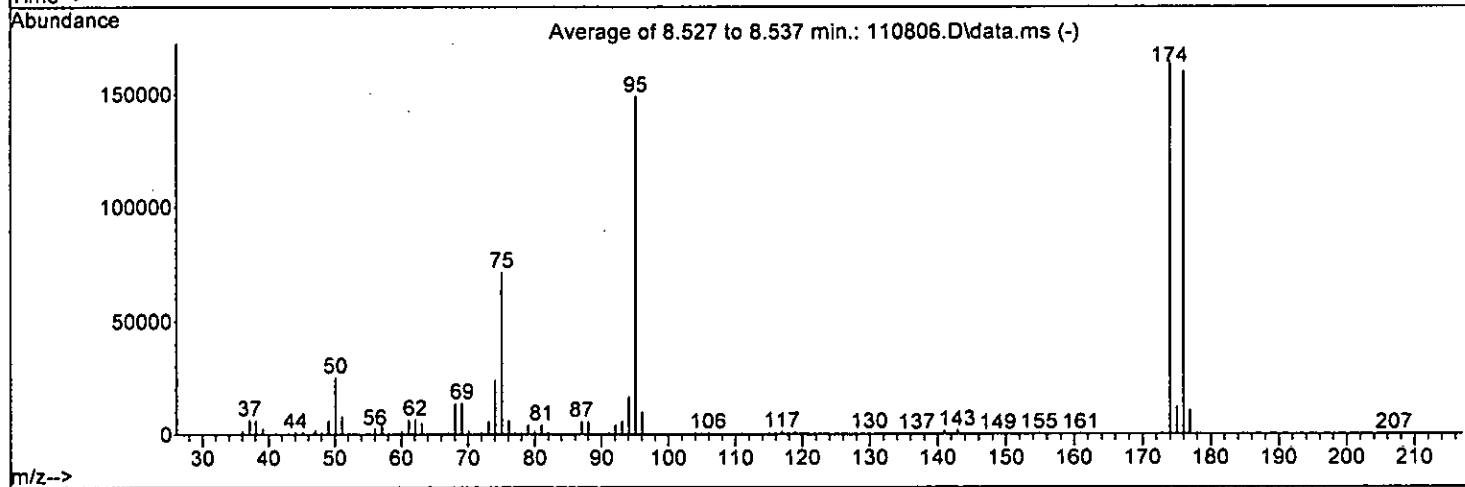
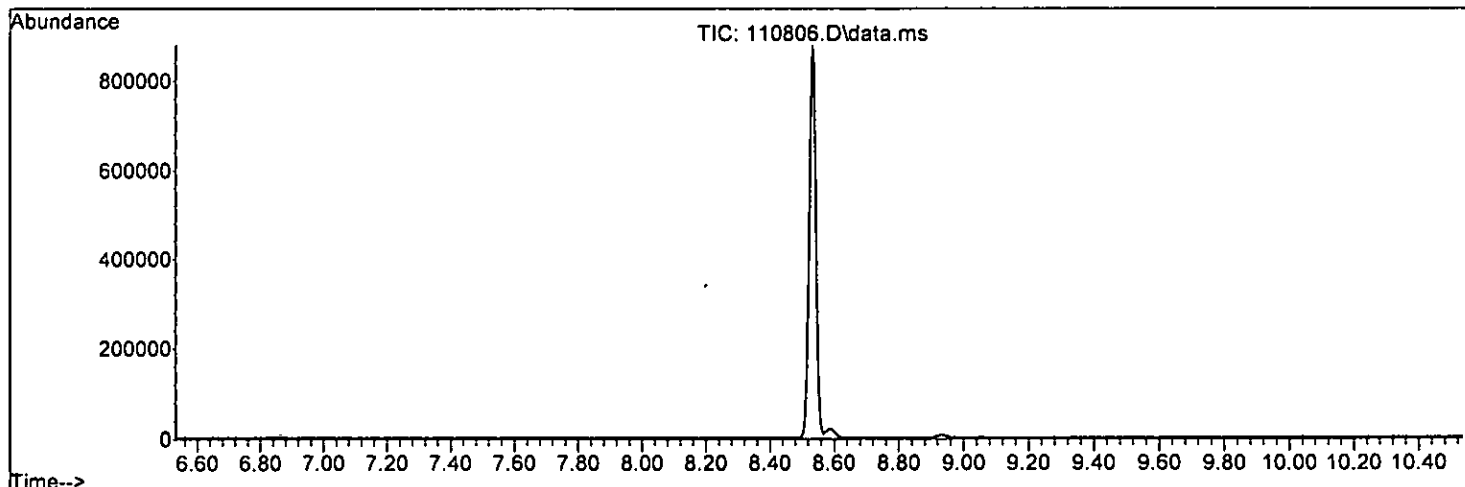
(fails) - fails 12hr time check * - fails criteria

Created: Tue Nov 08 17:33:41 2022 GCMS4

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110806.D
 Acq On : 8 Nov 2022 11:14 am
 Operator : LM
 Sample : 50 ng 8FB 67-152A
 Misc : direct inject
 ALS Vial : 100 Sample Multiplier: 1

Integration File: LSCINT.P

Method : D:\Methods\Inst4\VB110822ms4.M
 Title : 8260 Purge & Trap Volatiles
 Last Update : Tue Nov 08 16:47:05 2022



AutoFind: Scans 1519, 1520, 1521; Background Corrected with Scan 1510

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
95	174	50	200	90.7	149152	PASS
96	95	5	9	6.7	10011	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	200	110.2	164392	PASS
175	174	5	9	7.5	12251	PASS
176	174	95	105	97.4	160173	PASS
177	176	5	10	6.6	10611	PASS

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110808.D
 Acq On : 8 Nov 2022 12:05 pm
 Operator : LM
 Sample : 0.2 ppb 8260 ICAL 67-177I
 Misc : soil/water
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:29 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2 TMP	Ethanol	-1.000	0.000	0.0	0	-1.07#
3 S	Dibromofluoromethane	-1.000	10.087	0.0	0	0.00
4 TMP	Dichlorodifluoromethane	-1.000	0.000	0.0	0	-1.17#
5 TMP	Chloromethane	-1.000	0.000	0.0	0	-1.31#
6 TMP	Vinyl chloride	0.200	0.145	27.5#	100	0.01
7 TMP	Bromomethane	-1.000	0.000	0.0	0	-1.62#
8 TMP	Chloroethane	-1.000	0.000	0.0	0	-1.70#
9 TMP	Trichlorofluoromethane	-1.000	0.000	0.0	0	-1.90#
10 TMP	2-Propanol	-1.000	0.000	0.0	0	-2.99#
11 TMP	Acetone	-1.000	-1.000	0.0	0	0.00
12 TMP	1,1-Dichloroethene	0.200	0.239	-19.5	100	0.00
13 TMP	Hexane	-1.000	0.000	0.0	0	-3.21#
14 TMP	Methylene chloride	-1.000	-0.128	0.0	0	0.00
15 TMP	t-Butyl alcohol (TBA)	-1.000	0.000	0.0	0	-2.87#
16 TMP	Methyl t-butyl ether (MTBE)	0.200	0.184	8.0	100	0.00
17 TMP	trans-1,2-Dichloroethene	0.200	0.249	-24.5#	100	0.00
18 TMP	Diisopropyl ether (DIPE)	0.200	0.214	-7.0	100	0.00
19 TMP	1,1-Dichloroethane	0.200	0.215	-7.5	100	0.00
20 TMP	Ethyl t-butyl ether (ETBE)	-1.000	0.000	0.0	0	-3.71#
21 TMP	2,2-Dichloropropane	-1.000	0.000	0.0	0	-3.81#
22 TMP	cis-1,2-Dichloroethene	0.200	0.248	-24.0#	100	0.00
23 TMP	Chloroform	-1.000	0.000	0.0	0	-4.08#
24 TMP	2-Butanone (MEK)	-1.000	0.000	0.0	0	-3.83#
25 TMP	t-Amyl methyl ether (TAME)	0.200	0.207	-3.5	100	0.00
26 TMP	1,2-Dichloroethane (EDC)	0.200	0.213	-6.5	100	0.00
27 TMP	1,1,1-Trichloroethane	0.200	0.222	-11.0	100	0.00
28 TMP	1,1-Dichloropropene	0.200	0.221	-10.5	100	0.00
29 TMP	Carbon tetrachloride	0.200	0.208	-4.0	100	0.00
30 S	1,2-Dichloroethane-d4	10.000	10.040	-0.4	100	0.00
31 TMP	Benzene	0.200	0.222	-11.0	100	0.00
32 TMP	Trichloroethene	0.200	0.232	-16.0	100	0.00
33 TMP	1,2-Dichloropropane	0.200	0.175	12.5	100	0.00
34 TMP	Bromodichloromethane	0.200	0.207	-3.5	100	0.00
35 S	Toluene-d8	10.000	9.823	1.8	100	0.00
36 TMP	Dibromomethane	0.200	0.196	2.0	100	0.00
37 TMP	4-Methyl-2-pentanone	-1.000	0.000	0.0	0	-6.05#
38 TMP	cis-1,3-Dichloropropene	0.200	0.205	-2.5	100	0.00
39 I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40 TMP	Toluene	0.200	0.201	-0.5	100	0.00
41 TMP	trans-1,3-Dichloropropene	0.200	0.216	-8.0	100	0.00
42 TMP	1,1,2-Trichloroethane	0.200	0.219	-9.5	100	0.00
43 TMP	2-Hexanone	-1.000	0.000	0.0	0	-6.79#

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110808.D
 Acq On : 8 Nov 2022 12:05 pm
 Operator : LM
 Sample : 0.2 ppb 8260 ICAL 67-177I
 Misc : soil/water
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:29 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.200	0.197	1.5	100	0.00
45 TMP Tetrachloroethene	0.200	0.195	2.5	100	0.00
46 TMP Dibromochloromethane	0.200	0.195	2.5	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	0.200	0.205	-2.5	100	0.00
48 TMP Chlorobenzene	0.200	0.210	-5.0	100	0.00
49 TMP Ethylbenzene	0.200	0.224	-12.0	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.200	0.185	7.5	100	0.00
51 TMP m,p-Xylene	0.400	0.422	-5.5	100	0.00
52 TMP o-Xylene	0.200	0.235	-17.5	100	0.00
53 TMP Styrene	0.200	0.199	0.5	100	0.00
54 TMP Isopropylbenzene	0.200	0.212	-6.0	100	0.00
55 TMP Bromoform	0.200	0.206	-3.0	100	0.00
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	10.000	10.238	-2.4	100	0.00
58 TMP n-Propylbenzene	0.200	0.232	-16.0	100	0.00
59 TMP Bromobenzene	0.200	0.205	-2.5	100	0.00
60 TMP 1,3,5-Trimethylbenzene	0.200	0.213	-6.5	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.200	0.227	-13.5	100	0.00
62 TMP 1,2,3-Trichloropropane	0.200	0.212	-6.0	100	0.00
63 TMP 2-Chlorotoluene	0.200	0.217	-8.5	100	0.00
64 TMP 4-Chlorotoluene	0.200	0.215	-7.5	100	0.00
65 TMP tert-Butylbenzene	0.200	0.208	-4.0	100	0.00
66 TMP 1,2,4-Trimethylbenzene	0.200	0.212	-6.0	100	0.00
67 TMP sec-Butylbenzene	0.200	0.216	-8.0	100	0.00
68 TMP p-Isopropyltoluene	0.200	0.205	-2.5	100	0.00
69 TMP 1,3-Dichlorobenzene	0.200	0.220	-10.0	100	0.00
70 TMP 1,4-Dichlorobenzene	0.200	0.215	-7.5	100	0.00
71 TMP 1,2-Dichlorobenzene	0.200	0.213	-6.5	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	-1.000	0.000	0.0	0	-10.80#
73 TMP 1,2,4-Trichlorobenzene	0.200	0.196	2.0	100	0.00
74 TMP Hexachlorobutadiene	0.200	0.182	9.0	100	0.00
75 TMP Naphthalene	0.200	0.185	7.5	100	0.00
76 TMP 1,2,3-Trichlorobenzene	0.200	0.187	6.5	100	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110808.D
 Acq On : 8 Nov 2022 12:05 pm
 Operator : LM
 Sample : 0.2 ppb 8260 ICAL 67-177I
 Misc : soil/water
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:29 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2 TMP	Ethanol	0.000	0.000#	0.0	0#	-1.07#
3 S	Dibromofluoromethane	0.275	0.000	100.0#	0#	0.00
4 TMP	Dichlorodifluoromethane	0.410	0.000#	100.0#	0#	-1.17#
5 TMP	Chloromethane	0.380	0.000#	100.0#	0#	-1.31#
6 TMP	Vinyl chloride	0.360	0.260	27.8#	100	0.01
7 TMP	Bromomethane	0.168	0.000#	100.0#	0#	-1.62#
8 TMP	Chloroethane	0.189	0.000#	100.0#	0#	-1.70#
9 TMP	Trichlorofluoromethane	0.562	0.000#	100.0#	0#	-1.90#
10 TMP	2-Propanol	0.000	0.000	0.0	0#	-2.99#
11 TMP	Acetone	0.037	0.000#	100.0#	0#	0.00
12 TMP	1,1-Dichloroethene	0.333	0.399	-19.8	100	0.00
13 TMP	Hexane	0.348	0.000#	100.0#	0#	-3.21#
14 TMP	Methylene chloride	0.369	0.000#	100.0#	0#	0.00
15 TMP	t-Butyl alcohol (TBA)	0.051	0.000#	100.0#	0#	-2.87#
16 TMP	Methyl t-butyl ether (MTBE)	0.971	0.895	7.8	100	0.00
17 TMP	trans-1,2-Dichloroethene	0.353	0.440	-24.6#	100	0.00
18 TMP	Diisopropyl ether (DIPE)	0.889	0.950	-6.9	100	0.00
19 TMP	1,1-Dichloroethane	0.536	0.575	-7.3	100	0.00
20 TMP	Ethyl t-butyl ether (ETBE)	0.425	0.000#	100.0#	0#	-3.71#
21 TMP	2,2-Dichloropropane	0.352	0.000#	100.0#	0#	-3.81#
22 TMP	cis-1,2-Dichloroethene	0.382	0.474	-24.1#	100	0.00
23 TMP	Chloroform	0.583	0.000#	100.0#	0#	-4.08#
24 TMP	2-Butanone (MEK)	0.186	0.000#	100.0#	0#	-3.83#
25 TMP	t-Amyl methyl ether (TAME)	0.964	0.998	-3.5	100	0.00
26 TMP	1,2-Dichloroethane (EDC)	0.438	0.466	-6.4	100	0.00
27 TMP	1,1,1-Trichloroethane	0.532	0.591	-11.1	100	0.00
28 TMP	1,1-Dichloropropene	0.448	0.496	-10.7	100	0.00
29 TMP	Carbon tetrachloride	0.479	0.498	-4.0	100	0.00
30 S	1,2-Dichloroethane-d4	0.063	0.064	-1.6	100	0.00
31 TMP	Benzene	1.286	1.428	-11.0	100	0.00
32 TMP	Trichloroethene	0.373	0.432	-15.8	100	0.00
33 TMP	1,2-Dichloropropane	0.284	0.249	12.3	100	0.00
34 TMP	Bromodichloromethane	0.432	0.447	-3.5	100	0.00
35 S	Toluene-d8	1.002	0.984	1.8	100	0.00
36 TMP	Dibromomethane	0.216	0.212	1.9	100	0.00
37 TMP	4-Methyl-2-pentanone	0.077	0.000#	100.0#	0#	-6.05#
38 TMP	cis-1,3-Dichloropropene	0.504	0.518	-2.8	100	0.00
39 I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40 TMP	Toluene	0.968	0.975	-0.7	100	0.00
41 TMP	trans-1,3-Dichloropropene	0.553	0.596	-7.8	100	0.00
42 TMP	1,1,2-Trichloroethane	0.293	0.321	-9.6	100	0.00
43 TMP	2-Hexanone	0.320	0.000#	100.0#	0#	-6.79#

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110808.D
 Acq On : 8 Nov 2022 12:05 pm
 Operator : LM
 Sample : 0.2 ppb 8260 ICAL 67-177I
 Misc : soil/water
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:29 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.560	0.550	1.8	100	0.00
45 TMP Tetrachloroethene	0.431	0.420	2.6	100	0.00
46 TMP Dibromochloromethane	0.429	0.351	18.2	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	0.398	0.408	-2.5	100	0.00
48 TMP Chlorobenzene	1.148	1.205	-5.0	100	0.00
49 TMP Ethylbenzene	1.845	2.069	-12.1	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.426	0.394	7.5	100	0.00
51 TMP m,p-Xylene	0.746	0.786	-5.4	100	0.00
52 TMP o-Xylene	0.741	0.871	-17.5	100	0.00
53 TMP Styrene	1.258	1.252	0.5	100	0.00
54 TMP Isopropylbenzene	1.878	1.989	-5.9	100	0.00
55 TMP Bromoform	0.362	0.337	6.9	100	0.00
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	0.701	0.718	-2.4	100	0.00
58 TMP n-Propylbenzene	3.165	3.671	-16.0	100	0.00
59 TMP Bromobenzene	0.916	0.937	-2.3	100	0.00
60 TMP 1,3,5-Trimethylbenzene	2.336	2.483	-6.3	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.806	0.913	-13.3	100	0.00
62 TMP 1,2,3-Trichloropropane	0.610	0.646	-5.9	100	0.00
63 TMP 2-Chlorotoluene	1.890	2.051	-8.5	100	0.00
64 TMP 4-Chlorotoluene	2.253	2.424	-7.6	100	0.00
65 TMP tert-Butylbenzene	2.062	2.144	-4.0	100	0.00
66 TMP 1,2,4-Trimethylbenzene	2.433	2.585	-6.2	100	0.00
67 TMP sec-Butylbenzene	2.769	2.987	-7.9	100	0.00
68 TMP p-Isopropyltoluene	2.526	2.589	-2.5	100	0.00
69 TMP 1,3-Dichlorobenzene	1.624	1.789	-10.2	100	0.00
70 TMP 1,4-Dichlorobenzene	1.675	1.798	-7.3	100	0.00
71 TMP 1,2-Dichlorobenzene	1.595	1.698	-6.5	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	0.167	0.000#	100.0#	0#	-10.80#
73 TMP 1,2,4-Trichlorobenzene	1.200	1.174	2.2	100	0.00
74 TMP Hexachlorobutadiene	0.463	0.422	8.9	100	0.00
75 TMP Naphthalene	2.957	2.729	7.7	100	0.00
76 TMP 1,2,3-Trichlorobenzene	1.136	1.065	6.2	100	0.00

(#) = Out of Range

SPCC's out = 17 CCC's out = 0

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110808.D
 Acq On : 8 Nov 2022 12:05 pm
 Operator : LM
 Sample : 0.2 ppb 8260 ICAL 67-177I
 Misc : soil/water
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:29 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.78	96	89075	10.000	ppb	0.00
39) Chlorobenzene-d5	7.44	117	74574	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.65	152	48941	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.21	113	24699	10.087	ppb	0.00
Spiked Amount	10.000	Range 0 - 1000	Recovery = 100.90%			
30) 1,2-Dichloroethane-d4	4.49	102	5678	10.040	ppb	0.00
Spiked Amount	10.000	Range 90 - 109	Recovery = 100.40%			
35) Toluene-d8	6.14	98	87650	9.823	ppb	0.00
Spiked Amount	10.000	Range 89 - 112	Recovery = 98.20%			
57) 4-Bromofluorobenzene	8.54	95	35138	10.238	ppb	0.00
Spiked Amount	10.000	Range 84 - 115	Recovery = 102.40%			
Target Compounds						
2) Ethanol	0.00		0	N.D.	d	
4) Dichlorodifluoromethane	0.00		0	N.D.	d	
5) Chloromethane	0.00		0	N.D.	d	
6) Vinyl chloride	1.41	62	464	0.145	ppb #	43
7) Bromomethane	0.00		0	N.D.	d	
8) Chloroethane	0.00		0	N.D.	d	
9) Trichlorofluoromethane	0.00		0	N.D.	d	
10) 2-Propanol	0.00		0	N.D.		
11) Acetone	2.38	58	328	Below Cal	#	38
12) 1,1-Dichloroethene	2.33	96	710	0.239	ppb #	78
13) Hexane	0.00		0	N.D.	d	
14) Methylene chloride	2.74	84	4126	Below Cal		82
15) t-Butyl alcohol (TBA)	0.00		0	N.D.	d	
16) Methyl t-butyl ether (...)	2.99	73	1594	0.184	ppb	87
17) trans-1,2-Dichloroethene	2.97	96	783	0.249	ppb #	56
18) Diisopropyl ether (DIPE)	3.40	45	1692	0.214	ppb	88
19) 1,1-Dichloroethane	3.32	63	1024	0.215	ppb	77
20) Ethyl t-butyl ether (E...)	0.00		0	N.D.	d	
21) 2,2-Dichloropropane	0.00		0	N.D.	d	
22) cis-1,2-Dichloroethene	3.81	96	845	0.248	ppb #	66
23) Chloroform	0.00		0	N.D.	d	
24) 2-Butanone (MEK)	0.00		0	N.D.	d	
25) t-Amyl methyl ether (T...)	4.66	73	1778	0.207	ppb	87
26) 1,2-Dichloroethane (EDC)	4.56	62	830	0.213	ppb	77
27) 1,1,1-Trichloroethane	4.23	97	1052	0.222	ppb	88
28) 1,1-Dichloropropene	4.37	75	883	0.221	ppb	77
29) Carbon tetrachloride	4.37	117	888	0.208	ppb	98
31) Benzene	4.54	78	2544	0.222	ppb	100
32) Trichloroethene	5.09	95	770	0.232	ppb	89
33) 1,2-Dichloropropane	5.28	63	443	0.175	ppb	89
34) Bromodichloromethane	5.51	83	797	0.207	ppb	83
36) Dibromomethane	5.37	93	377	0.196	ppb #	69

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110808.D
 Acq On : 8 Nov 2022 12:05 pm
 Operator : LM
 Sample : 0.2 ppb 8260 ICAL 67-177I
 Misc : soil/water
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS4

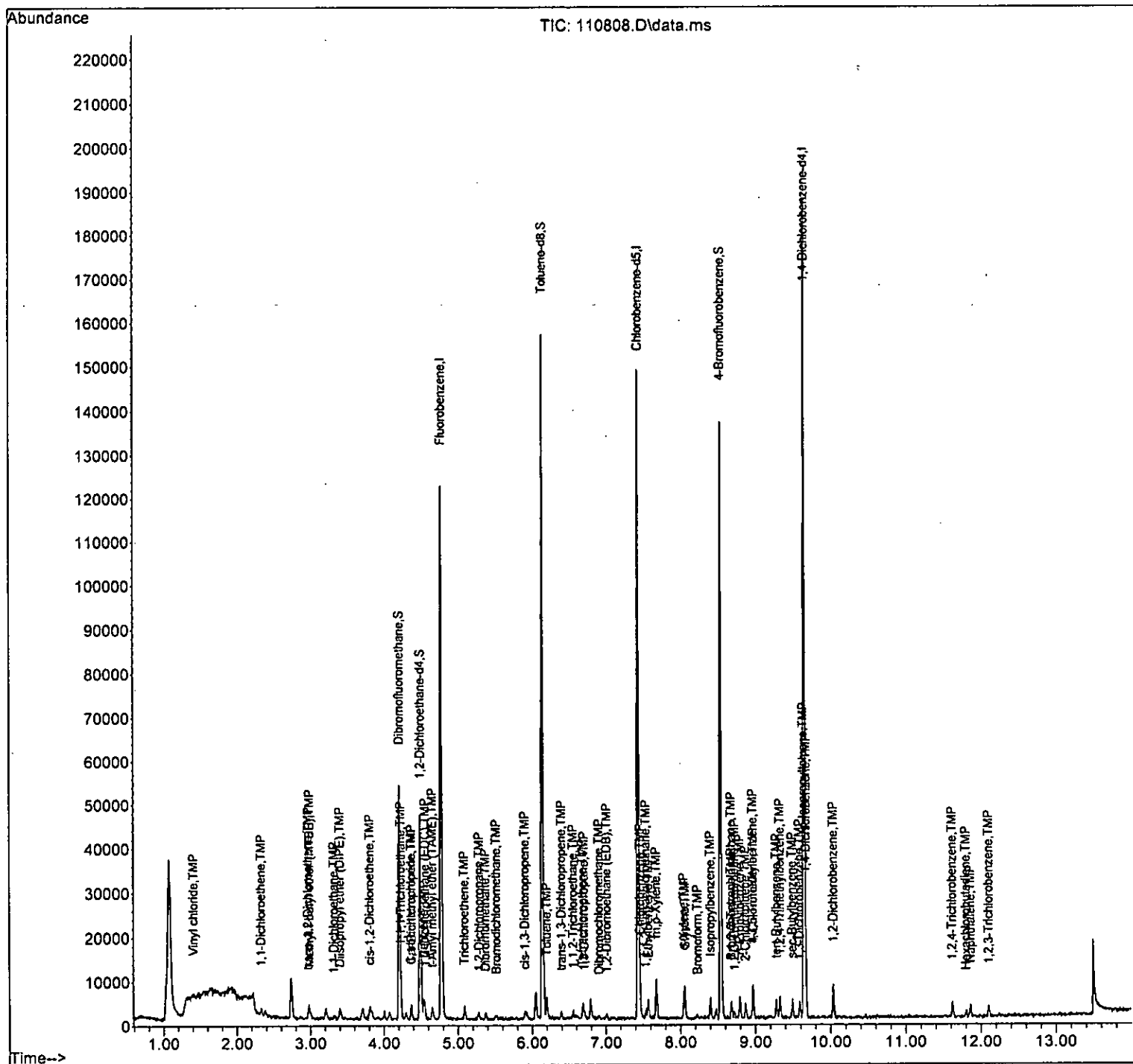
Quant Time: Nov 08 16:47:29 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.00		0	N.D.	d	
38) cis-1,3-Dichloropropene	5.90	75	922	0.205	ppb	77
40) Toluene	6.20	92	1454	0.201	ppb	94
41) trans-1,3-Dichloropropene	6.39	75	889	0.216	ppb	85
42) 1,1,2-Trichloroethane	6.55	83	479	0.219	ppb #	76
43) 2-Hexanone	0.00		0	N.D.	d	
44) 1,3-Dichloropropane	6.70	76	821	0.197	ppb	66
45) Tetrachloroethene	6.68	164	626	0.195	ppb	86
46) Dibromochloromethane	6.91	129	523	0.195	ppb	95
47) 1,2-Dibromoethane (EDB)	7.01	107	609	0.205	ppb	86
48) Chlorobenzene	7.46	112	1797	0.210	ppb	89
49) Ethylbenzene	7.57	91	3086	0.224	ppb	92
50) 1,1,1,2-Tetrachloroethane	7.54	131	587	0.185	ppb	90
51) m,p-Xylene	7.67	106	2346	0.422	ppb #	66
52) o-Xylene	8.05	106	1299	0.235	ppb #	74
53) Styrene	8.06	104	1868	0.199	ppb	89
54) Isopropylbenzene	8.40	105	2966	0.212	ppb	99
55) Bromoform	8.23	173	503	0.206	ppb #	37
58) n-Propylbenzene	8.79	91	3593	0.232	ppb	99
59) Bromobenzene	8.68	156	917	0.205	ppb	77
60) 1,3,5-Trimethylbenzene	8.97	105	2430	0.213	ppb	91
61) 1,1,2,2-Tetrachloroethane	8.68	83	894	0.227	ppb	86
62) 1,2,3-Trichloropropane	8.72	75	632	0.212	ppb	71
63) 2-Chlorotoluene	8.87	91	2008	0.217	ppb	90
64) 4-Chlorotoluene	8.97	91	2373	0.215	ppb	85
65) tert-Butylbenzene	9.28	119	2099	0.208	ppb	77
66) 1,2,4-Trimethylbenzene	9.33	105	2530	0.212	ppb	76
67) sec-Butylbenzene	9.49	105	2924	0.216	ppb	96
68) p-Isopropyltoluene	9.64	119	2534	0.205	ppb	95
69) 1,3-Dichlorobenzene	9.59	146	1751	0.220	ppb	88
70) 1,4-Dichlorobenzene	9.67	146	1760	0.215	ppb	89
71) 1,2-Dichlorobenzene	10.04	146	1662	0.213	ppb	88
72) 1,2-Dibromo-3-chloropr...	0.00		0	N.D.		
73) 1,2,4-Trichlorobenzene	11.62	180	1149	0.196	ppb #	72
74) Hexachlorobutadiene	11.80	225	413	0.182	ppb	89
75) Naphthalene	11.86	128	2671	0.185	ppb	95
76) 1,2,3-Trichlorobenzene	12.10	180	1042	0.187	ppb	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110808.D
 Acq On : 8 Nov 2022 12:05 pm
 Operator : LM
 Sample : 0.2 ppb 8260 ICAL 67-177I
 Misc : soil/water
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:29 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110809.D
 Acq On : 8 Nov 2022 12:29 pm
 Operator : LM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 7 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:31 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2 TMP	Ethanol	-1.000	0.000	0.0	0	-1.07#
3 S	Dibromofluoromethane	10.000	9.929	0.7	100	0.00
4 TMP	Dichlorodifluoromethane	-1.000	0.000	0.0	0	-1.17#
5 TMP	Chloromethane	-1.000	0.000	0.0	0	-1.31#
6 TMP	Vinyl chloride	0.500	0.504	-0.8	100	0.00
7 TMP	Bromomethane	-1.000	0.000	0.0	0	-1.62#
8 TMP	Chloroethane	-1.000	0.000	0.0	0	-1.70#
9 TMP	Trichlorofluoromethane	-1.000	0.000	0.0	0	-1.90#
10 TMP	2-Propanol	-1.000	0.000	0.0	0	-2.99#
11 TMP	Acetone	-1.000	-1.000	0.0	0	0.00
12 TMP	1,1-Dichloroethene	0.500	0.578	-15.6	100	0.00
13 TMP	Hexane	-1.000	0.000	0.0	0	-3.21#
14 TMP	Methylene chloride	-1.000	0.000	0.0	0	-2.73#
15 TMP	t-Butyl alcohol (TBA)	-1.000	0.000	0.0	0	-2.87#
16 TMP	Methyl t-butyl ether (MTBE)	0.500	0.527	-5.4	100	0.00
17 TMP	trans-1,2-Dichloroethene	0.500	0.501	-0.2	100	0.00
18 TMP	Diisopropyl ether (DIPE)	0.500	0.534	-6.8	100	0.00
19 TMP	1,1-Dichloroethane	0.500	0.525	-5.0	100	0.00
20 TMP	Ethyl t-butyl ether (ETBE)	0.500	0.504	-0.8	100	0.00
21 TMP	2,2-Dichloropropane	0.500	0.469	6.2	100	0.00
22 TMP	cis-1,2-Dichloroethene	0.500	0.514	-2.8	100	0.00
23 TMP	Chloroform	0.500	0.539	-7.8	100	0.00
24 TMP	2-Butanone (MEK)	2.500	2.998	-19.9	100	0.00
25 TMP	t-Amyl methyl ether (TAME)	0.500	0.514	-2.8	100	0.00
26 TMP	1,2-Dichloroethane (EDC)	0.500	0.516	-3.2	100	0.00
27 TMP	1,1,1-Trichloroethane	0.500	0.504	-0.8	100	0.00
28 TMP	1,1-Dichloropropane	0.500	0.523	-4.6	100	0.00
29 TMP	Carbon tetrachloride	0.500	0.512	-2.4	100	0.00
30 S	1,2-Dichloroethane-d4	10.000	10.089	-0.9	100	0.00
31 TMP	Benzene	0.500	0.527	-5.4	100	0.00
32 TMP	Trichloroethene	0.500	0.550	-10.0	100	0.00
33 TMP	1,2-Dichloropropane	0.500	0.530	-6.0	100	0.00
34 TMP	Bromodichloromethane	0.500	0.537	-7.4	100	0.00
35 S	Toluene-d8	10.000	9.929	0.7	100	0.00
36 TMP	Dibromomethane	0.500	0.524	-4.8	100	0.00
37 TMP	4-Methyl-2-pentanone	2.500	2.431	2.8	100	0.00
38 TMP	cis-1,3-Dichloropropene	0.500	0.509	-1.8	100	0.00
39 I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40 TMP	Toluene	0.500	0.519	-3.8	100	0.00
41 TMP	trans-1,3-Dichloropropene	0.500	0.487	2.6	100	0.00
42 TMP	1,1,2-Trichloroethane	0.500	0.495	1.0	100	0.00
43 TMP	2-Hexanone	2.500	2.970	-18.8	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110809.D
 Acq On : 8 Nov 2022 12:29 pm
 Operator : LM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 7 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:31 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.500	0.546	-9.2	100	0.00
45 TMP Tetrachloroethene	0.500	0.524	-4.8	100	0.00
46 TMP Dibromochloromethane	0.500	0.521	-4.2	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	0.500	0.521	-4.2	100	0.00
48 TMP Chlorobenzene	0.500	0.534	-6.8	100	0.00
49 TMP Ethylbenzene	0.500	0.527	-5.4	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.500	0.526	-5.2	100	0.00
51 TMP m,p-Xylene	1.000	1.057	-5.7	100	0.00
52 TMP o-Xylene	0.500	0.507	-1.4	100	0.00
53 TMP Styrene	0.500	0.504	-0.8	100	0.00
54 TMP Isopropylbenzene	0.500	0.538	-7.6	100	0.00
55 TMP Bromoform	0.500	0.464	7.2	100	0.00
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	10.000	10.159	-1.6	100	0.00
58 TMP n-Propylbenzene	0.500	0.528	-5.6	100	0.00
59 TMP Bromobenzene	0.500	0.520	-4.0	100	0.00
60 TMP 1,3,5-Trimethylbenzene	0.500	0.513	-2.6	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.500	0.540	-8.0	100	0.00
62 TMP 1,2,3-Trichloropropane	0.500	0.533	-6.6	100	0.00
63 TMP 2-Chlorotoluene	0.500	0.549	-9.8	100	0.00
64 TMP 4-Chlorotoluene	0.500	0.530	-6.0	100	0.00
65 TMP tert-Butylbenzene	0.500	0.534	-6.8	100	0.00
66 TMP 1,2,4-Trimethylbenzene	0.500	0.542	-8.4	100	0.00
67 TMP sec-Butylbenzene	0.500	0.514	-2.8	100	0.00
68 TMP p-Isopropyltoluene	0.500	0.528	-5.6	100	0.00
69 TMP 1,3-Dichlorobenzene	0.500	0.512	-2.4	100	0.00
70 TMP 1,4-Dichlorobenzene	0.500	0.529	-5.8	100	0.00
71 TMP 1,2-Dichlorobenzene	0.500	0.511	-2.2	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	-1.000	0.000	0.0	0	-10.80#
73 TMP 1,2,4-Trichlorobenzene	0.500	0.545	-9.0	100	0.00
74 TMP Hexachlorobutadiene	0.500	0.565	-13.0	100	0.00
75 TMP Naphthalene	0.500	0.515	-3.0	100	0.00
76 TMP 1,2,3-Trichlorobenzene	0.500	0.536	-7.2	100	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110809.D
 Acq On : 8 Nov 2022 12:29 pm
 Operator : LM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 7 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:31 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2 TMP	Ethanol	0.000	0.000#	0.0	0#	-1.07#
3 S	Dibromofluoromethane	0.275	0.273	0.7	100	0.00
4 TMP	Dichlorodifluoromethane	0.410	0.000#	100.0#	0#	-1.17#
5 TMP	Chloromethane	0.380	0.000#	100.0#	0#	-1.31#
6 TMP	Vinyl chloride	0.360	0.363	-0.8	100	0.00
7 TMP	Bromomethane	0.168	0.000#	100.0#	0#	-1.62#
8 TMP	Chloroethane	0.189	0.000#	100.0#	0#	-1.70#
9 TMP	Trichlorofluoromethane	0.562	0.000#	100.0#	0#	-1.90#
10 TMP	2-Propanol	0.000	0.000	0.0	0#	-2.99#
11 TMP	Acetone	0.037	0.000#	100.0#	0#	0.00
12 TMP	1,1-Dichloroethene	0.333	0.385	-15.6	100	0.00
13 TMP	Hexane	0.348	0.000#	100.0#	0#	-3.21#
14 TMP	Methylene chloride	0.369	0.000#	100.0#	0#	-2.73#
15 TMP	t-Butyl alcohol (TBA)	0.051	0.000#	100.0#	0#	-2.87#
16 TMP	Methyl t-butyl ether (MTBE)	0.971	1.025	-5.6	100	0.00
17 TMP	trans-1,2-Dichloroethene	0.353	0.353	0.0	100	0.00
18 TMP	Diisopropyl ether (DIPE)	0.889	0.948	-6.6	100	0.00
19 TMP	1,1-Dichloroethane	0.536	0.562	-4.9	100	0.00
20 TMP	Ethyl t-butyl ether (ETBE)	0.425	0.428	-0.7	100	0.00
21 TMP	2,2-Dichloropropane	0.352	0.425	-20.7#	100	0.00
22 TMP	cis-1,2-Dichloroethene	0.382	0.393	-2.9	100	0.00
23 TMP	Chloroform	0.583	0.639	-9.6	100	0.00
24 TMP	2-Butanone (MEK)	0.186	0.223	-19.9	100	0.00
25 TMP	t-Amyl methyl ether (TAME)	0.964	0.991	-2.8	100	0.00
26 TMP	1,2-Dichloroethane (EDC)	0.438	0.453	-3.4	100	0.00
27 TMP	1,1,1-Trichloroethane	0.532	0.537	-0.9	100	0.00
28 TMP	1,1-Dichloropropene	0.448	0.469	-4.7	100	0.00
29 TMP	Carbon tetrachloride	0.479	0.491	-2.5	100	0.00
30 S	1,2-Dichloroethane-d4	0.063	0.064	-1.6	100	0.00
31 TMP	Benzene	1.286	1.356	-5.4	100	0.00
32 TMP	Trichloroethene	0.373	0.410	-9.9	100	0.00
33 TMP	1,2-Dichloropropane	0.284	0.301	-6.0	100	0.00
34 TMP	Bromodichloromethane	0.432	0.463	-7.2	100	0.00
35 S	Toluene-d8	1.002	0.995	0.7	100	0.00
36 TMP	Dibromomethane	0.216	0.226	-4.6	100	0.00
37 TMP	4-Methyl-2-pentanone	0.077	0.075	2.6	100	0.00
38 TMP	cis-1,3-Dichloropropene	0.504	0.513	-1.8	100	0.00
39 I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40 TMP	Toluene	0.968	1.005	-3.8	100	0.00
41 TMP	trans-1,3-Dichloropropene	0.553	0.538	2.7	100	0.00
42 TMP	1,1,2-Trichloroethane	0.293	0.290	1.0	100	0.00
43 TMP	2-Hexanone	0.320	0.381	-19.1	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110809.D
 Acq On : 8 Nov 2022 12:29 pm
 Operator : LM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 7 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:31 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.560	0.611	-9.1	100	0.00
45 TMP Tetrachloroethene	0.431	0.451	-4.6	100	0.00
46 TMP Dibromochloromethane	0.429	0.413	3.7	100	0.00
47 TMP 1,2-Dibromoethane (EOB)	0.398	0.415	-4.3	100	0.00
48 TMP Chlorobenzene	1.148	1.227	-6.9	100	0.00
49 TMP Ethylbenzene	1.845	1.944	-5.4	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.426	0.448	-5.2	100	0.00
51 TMP m,p-Xylene	0.746	0.789	-5.8	100	0.00
52 TMP o-Xylene	0.741	0.752	-1.5	100	0.00
53 TMP Styrene	1.258	1.267	-0.7	100	0.00
54 TMP Isopropylbenzene	1.878	2.022	-7.7	100	0.00
55 TMP Bromoform	0.362	0.309	14.6	100	0.00
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	0.701	0.712	-1.6	100	0.00
58 TMP n-Propylbenzene	3.165	3.342	-5.6	100	0.00
59 TMP Bromobenzene	0.916	0.952	-3.9	100	0.00
60 TMP 1,3,5-Trimethylbenzene	2.336	2.396	-2.6	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.806	0.871	-8.1	100	0.00
62 TMP 1,2,3-Trichloropropane	0.610	0.651	-6.7	100	0.00
63 TMP 2-Chlorotoluene	1.890	2.074	-9.7	100	0.00
64 TMP 4-Chlorotoluene	2.253	2.387	-5.9	100	0.00
65 TMP tert-Butylbenzene	2.062	2.201	-6.7	100	0.00
66 TMP 1,2,4-Trimethylbenzene	2.433	2.635	-8.3	100	0.00
67 TMP sec-Butylbenzene	2.769	2.846	-2.8	100	0.00
68 TMP p-Isopropyltoluene	2.526	2.666	-5.5	100	0.00
69 TMP 1,3-Dichlorobenzene	1.624	1.662	-2.3	100	0.00
70 TMP 1,4-Dichlorobenzene	1.675	1.773	-5.9	100	0.00
71 TMP 1,2-Dichlorobenzene	1.595	1.630	-2.2	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	0.167	0.000#	100.0#	0#	-10.80#
73 TMP 1,2,4-Trichlorobenzene	1.200	1.309	-9.1	100	0.00
74 TMP Hexachlorobutadiene	0.463	0.523	-13.0	100	0.00
75 TMP Naphthalene	2.957	3.048	-3.1	100	0.00
76 TMP 1,2,3-Trichlorobenzene	1.136	1.217	-7.1	100	0.00

(#) = Out of Range SPCC's out = 11 CCC's out = 0

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110809.D
 Acq On : 8 Nov 2022 12:29 pm
 Operator : LM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 7 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:31 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	4.78	96	90028	10.000	ppb	0.00
39) Chlorobenzene-d5	7.43	117	74657	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.65	152	50024	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.21	113	24573	9.929	ppb	0.00
Spiked Amount	10.000	Range 0 - 1000	Recovery =	99.30%		
30) 1,2-Dichloroethane-d4	4.49	102	5767	10.089	ppb	0.00
Spiked Amount	10.000	Range 90 - 109	Recovery =	100.90%		
35) Toluene-d8	6.14	98	89541	9.929	ppb	0.00
Spiked Amount	10.000	Range 89 - 112	Recovery =	99.30%		
57) 4-Bromofluorobenzene	8.54	95	35639	10.159	ppb	0.00
Spiked Amount	10.000	Range 84 - 115	Recovery =	101.60%		
Target Compounds						
						Qvalue
2) Ethanol	0.00		0	N.D.	d	
4) Dichlorodifluoromethane	0.00		0	N.D.	d	
5) Chloromethane	0.00		0	N.D.	d	
6) Vinyl chloride	1.40	62	1634	0.504	ppb	92
7) Bromomethane	0.00		0	N.D.	d	
8) Chloroethane	0.00		0	N.D.	d	
9) Trichlorofluoromethane	0.00		0	N.D.	d	
10) 2-Propanol	0.00		0	N.D.	d	
11) Acetone	2.39	58	1099	Below Cal	#	85
12) 1,1-Dichloroethene	2.32	96	1734	0.578	ppb	# 56
13) Hexane	0.00		0	N.D.	d	
14) Methylene chloride	0.00		0	N.D.	d	
15) t-Butyl alcohol (TBA)	0.00		0	N.D.	d	
16) Methyl t-butyl ether (...)	2.98	73	4612	0.527	ppb	98
17) trans-1,2-Dichloroethene	2.97	96	1590	0.501	ppb	# 79
18) Diisopropyl ether (DIPE)	3.40	45	4269	0.534	ppb	91
19) 1,1-Dichloroethane	3.32	63	2530	0.525	ppb	90
20) Ethyl t-butyl ether (E...)	3.70	87	1927	0.504	ppb	90
21) 2,2-Dichloropropane	3.81	77	1915	0.469	ppb	96
22) cis-1,2-Dichloroethene	3.81	96	1769	0.514	ppb	# 71
23) Chloroform	4.08	83	2878	0.539	ppb	94
24) 2-Butanone (MEK)	3.84	43	5023	2.998	ppb	90
25) t-Amyl methyl ether (T...)	4.65	73	4463	0.514	ppb	95
26) 1,2-Dichloroethane (EDC)	4.55	62	2037	0.516	ppb	85
27) 1,1,1-Trichloroethane	4.23	97	2418	0.504	ppb	86
28) 1,1-Dichloropropene	4.37	75	2109	0.523	ppb	96
29) Carbon tetrachloride	4.37	117	2208	0.512	ppb	97
31) Benzene	4.54	78	6104	0.527	ppb	97
32) Trichloroethene	5.09	95	1846	0.550	ppb	# 71
33) 1,2-Dichloropropane	5.28	63	1357	0.530	ppb	89
34) Bromodichloromethane	5.51	83	2086	0.537	ppb	91
36) Dibromomethane	5.37	93	1018	0.524	ppb	97

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110809.D
 Acq On : 8 Nov 2022 12:29 pm
 Operator : LM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 7 Sample Multiplier: 1
 InstName : GCMS4

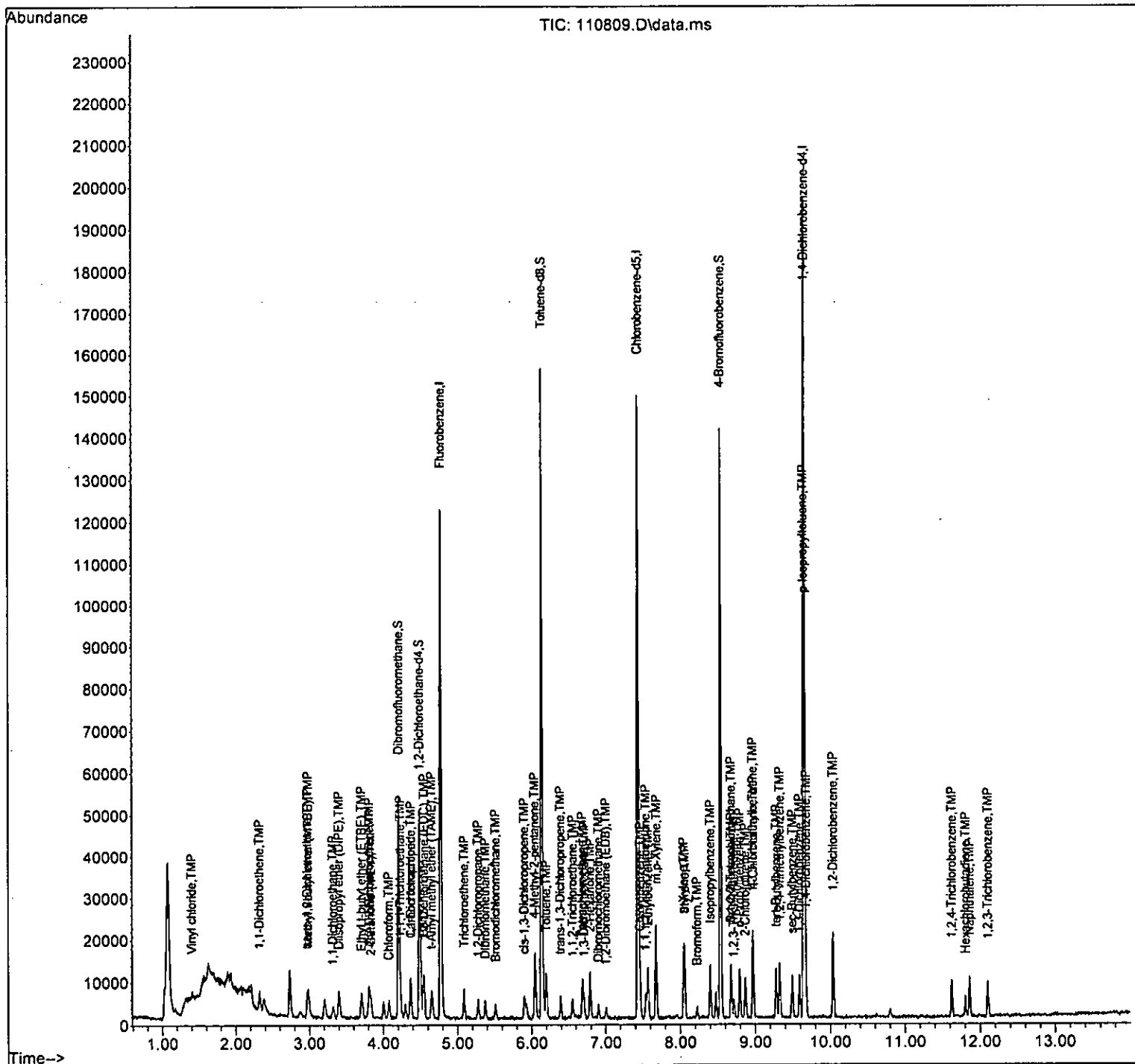
Quant Time: Nov 08 16:47:31 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	6.04	85	1683	2.431	ppb #	52
38) cis-1,3-Dichloropropene	5.90	75	2311	0.509	ppb	91
40) Toluene	6.20	92	3753	0.519	ppb	94
41) trans-1,3-Dichloropropene	6.39	75	2010	0.487	ppb	90
42) 1,1,2-Trichloroethane	6.56	83	1083	0.495	ppb	96
43) 2-Hexanone	6.79	43	7105	2.970	ppb	95
44) 1,3-Dichloropropane	6.71	76	2282	0.546	ppb	89
45) Tetrachloroethene	6.69	164	1685	0.524	ppb	93
46) Dibromochloromethane	6.90	129	1542	0.521	ppb	91
47) 1,2-Dibromoethane (EDB)	7.00	107	1548	0.521	ppb	84
48) Chlorobenzene	7.47	112	4581	0.534	ppb	81
49) Ethylbenzene	7.57	91	7256	0.527	ppb	95
50) 1,1,1,2-Tetrachloroethane	7.54	131	1672	0.526	ppb	85
51) m,p-Xylene	7.68	106	5889	1.057	ppb	91
52) o-Xylene	8.05	106	2806	0.507	ppb #	78
53) Styrene	8.06	104	4730	0.504	ppb	88
54) Isopropylbenzene	8.40	105	7546	0.538	ppb	96
55) Bromoform	8.22	173	1153	0.464	ppb	81
58) n-Propylbenzene	8.79	91	8358	0.528	ppb	99
59) Bromobenzene	8.68	156	2382	0.520	ppb	87
60) 1,3,5-Trimethylbenzene	8.97	105	5992	0.513	ppb	84
61) 1,1,2,2-Tetrachloroethane	8.68	83	2179	0.540	ppb	93
62) 1,2,3-Trichloropropane	8.72	75	1628	0.533	ppb	91
63) 2-Chlorotoluene	8.87	91	5187	0.549	ppb	97
64) 4-Chlorotoluene	8.97	91	5970	0.530	ppb	93
65) tert-Butylbenzene	9.28	119	5506	0.534	ppb	83
66) 1,2,4-Trimethylbenzene	9.33	105	6591	0.542	ppb	100
67) sec-Butylbenzene	9.49	105	7119	0.514	ppb	91
68) p-Isopropyltoluene	9.64	119	6668	0.528	ppb	95
69) 1,3-Dichlorobenzene	9.59	146	4158	0.512	ppb	84
70) 1,4-Dichlorobenzene	9.68	146	4435	0.529	ppb	92
71) 1,2-Dichlorobenzene	10.04	146	4077	0.511	ppb	92
72) 1,2-Dibromo-3-chloropr...	0.00		0	N.D.	d	
73) 1,2,4-Trichlorobenzene	11.62	180	3274	0.545	ppb	96
74) Hexachlorobutadiene	11.81	225	1307	0.565	ppb	98
75) Naphthalene	11.86	128	7624	0.515	ppb	95
76) 1,2,3-Trichlorobenzene	12.10	180	3044	0.536	ppb	91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110809.D
 Acq On : 8 Nov 2022 12:29 pm
 Operator : LM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 7 Sample Multiplier: 1
 InstName : GCMS4

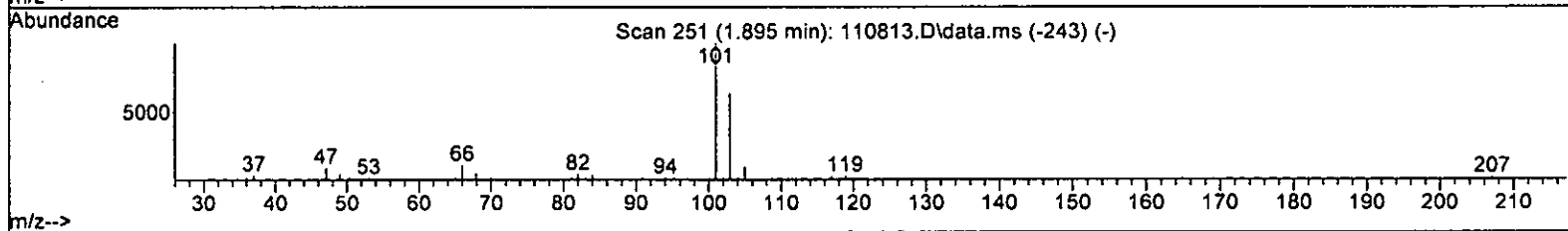
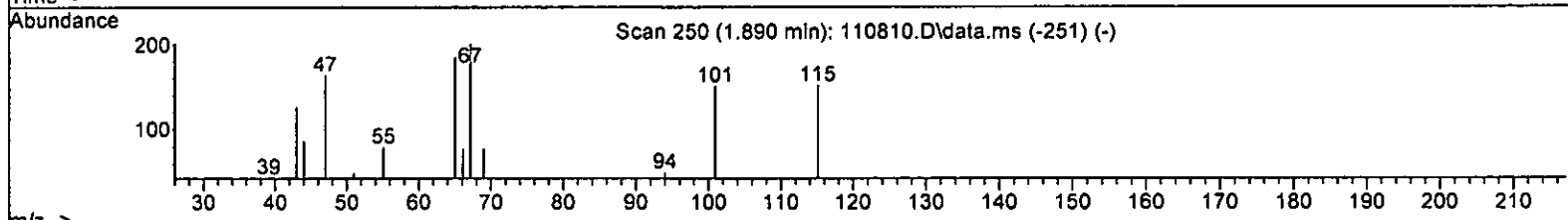
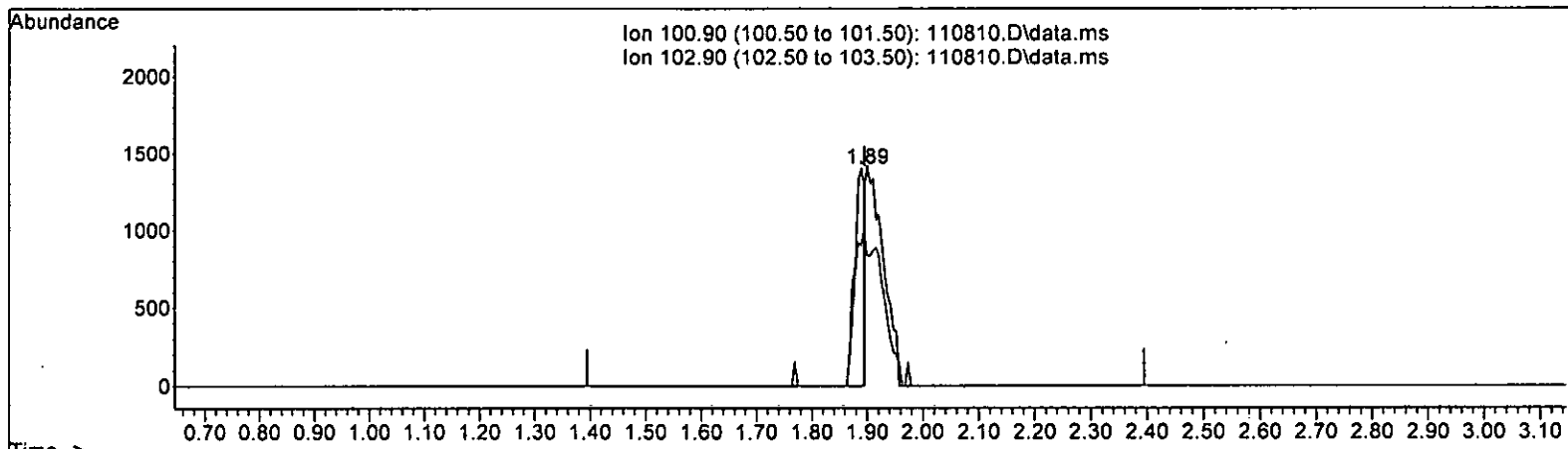
Quant Time: Nov 08 16:47:31 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110810.D
 Acq On : 8 Nov 2022 12:53 pm
 Operator : LM
 Sample : 1 ppb 8260 ICAL 67-177K
 Misc : soil/water
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:33 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



TIC: 110810.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.890min (-0.005) 0.356 ppb

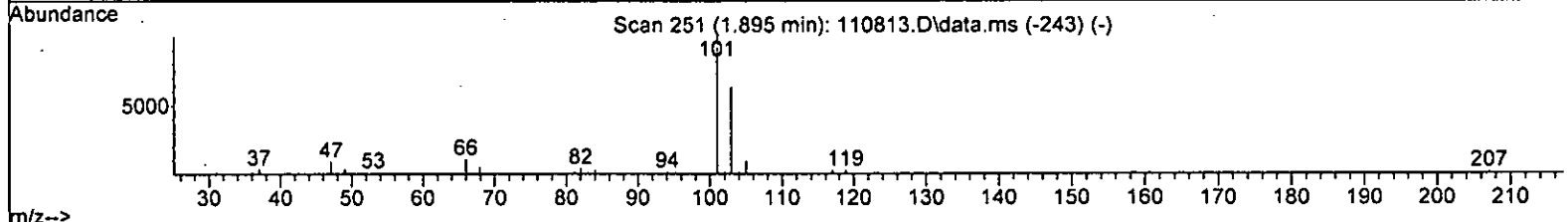
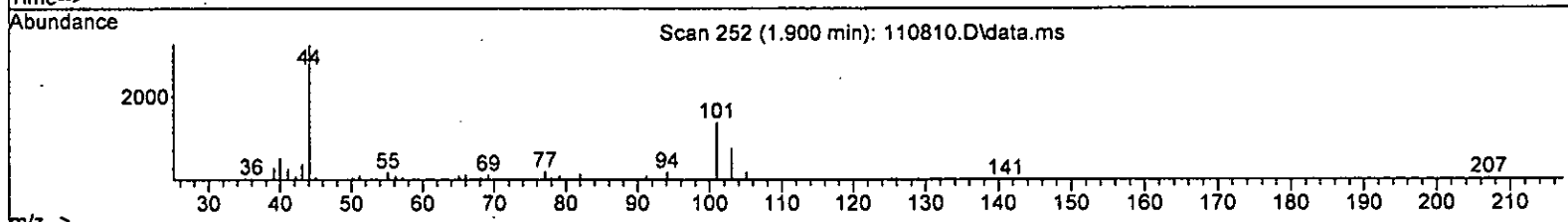
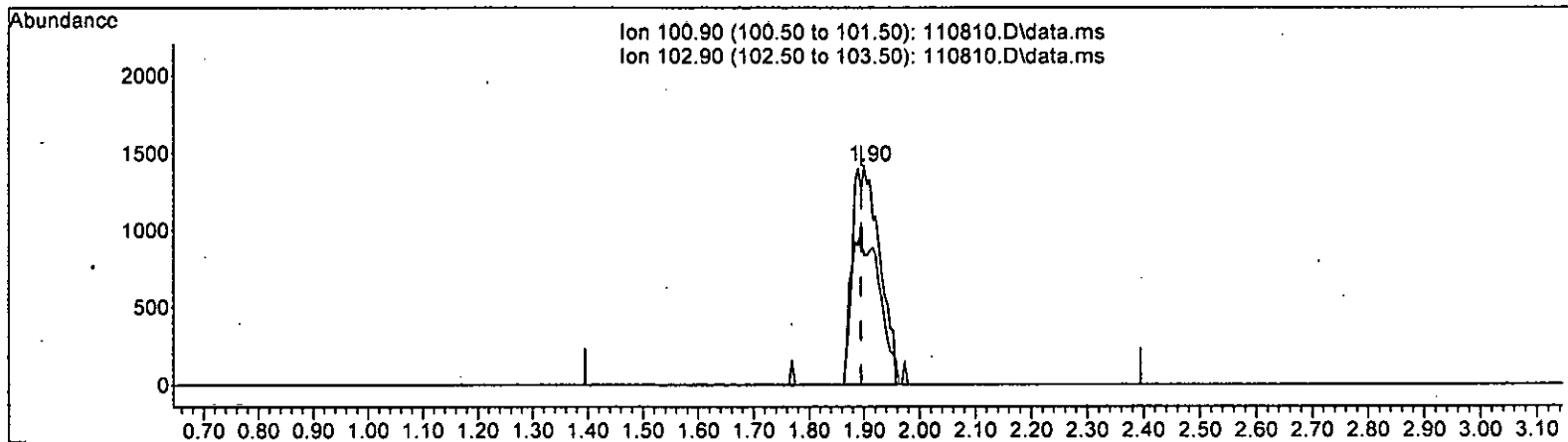
response 1770

Ion	Exp%	Act%
100.90	100.00	100.00
102.90	61.00	63.96
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110810.D
 Acq On : 8 Nov 2022 12:53 pm
 Operator : LM
 Sample : 1 ppb 8260 ICAL 67-177K
 Misc : soil/water
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:33 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



TIC: 110810.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.900min (+ 0.005) 0.963 ppb m

response 4795

Ion	Exp%	Act%
100.90	100.00	100.00
102.90	61.00	58.73
0.00	0.00	0.00
0.00	0.00	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110810.D
 Acq On : 8 Nov 2022 12:53 pm
 Operator : LM
 Sample : 1 ppb 8260 ICAL 67-177K
 Misc : soil/water
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:33 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I Fluorobenzene	10.000	10.000	0.0	100	0.00
2 TMP Ethanol	-1.000	0.000	0.0	0	-1.07#
3 S Dibromofluoromethane	10.000	9.749	2.5	100	0.00
4 TMP Dichlorodifluoromethane	1.000	0.779	22.1#	100	0.00
5 TMP Chloromethane	-1.000	0.000	0.0	0	-1.31#
6 TMP Vinyl chloride	1.000	1.053	-5.3	100	0.00
7 TMP Bromomethane	1.000	0.806	19.4	77	0.00
8 TMP Chloroethane	1.000	1.144	-14.4	100	0.00
9 TMP Trichlorofluoromethane	1.000	0.963	3.7	100	0.00
10 TMP 2-Propanol	-1.000	0.000	0.0	0	-2.99#
11 TMP Acetone	-1.000	1.962	0.0	0	0.00
12 TMP 1,1-Dichloroethene	1.000	1.054	-5.4	100	0.00
13 TMP Hexane	1.000	1.201	-20.1#	100	0.00
14 TMP Methylene chloride	-1.000	0.000	0.0	0	-2.73#
15 TMP t-Butyl alcohol (TBA)	5.000	5.712	-14.2	100	0.00
16 TMP Methyl t-butyl ether (MTBE)	1.000	1.048	-4.8	100	0.00
17 TMP trans-1,2-Dichloroethene	1.000	1.086	-8.6	100	0.00
18 TMP Diisopropyl ether (DIPE)	1.000	1.083	-8.3	100	0.00
19 TMP 1,1-Dichloroethane	1.000	1.078	-7.8	100	0.00
20 TMP Ethyl t-butyl ether (ETBE)	1.000	1.082	-8.2	100	0.00
21 TMP 2,2-Dichloropropane	1.000	1.080	-8.0	100	0.00
22 TMP cis-1,2-Dichloroethene	1.000	1.078	-7.8	100	0.00
23 TMP Chloroform	1.000	1.057	-5.7	100	0.00
24 TMP 2-Butanone (MEK)	5.000	5.180	-3.6	100	0.00
25 TMP t-Amyl methyl ether (TAME)	1.000	1.022	-2.2	100	0.00
26 TMP 1,2-Dichloroethane (EDC)	1.000	1.067	-6.7	100	0.00
27 TMP 1,1,1-Trichloroethane	1.000	1.051	-5.1	100	0.00
28 TMP 1,1-Dichloropropene	1.000	1.075	-7.5	100	0.00
29 TMP Carbon tetrachloride	1.000	1.052	-5.2	100	0.00
30 S 1,2-Dichloroethane-d4	10.000	9.519	4.8	100	0.00
31 TMP Benzene	1.000	1.039	-3.9	100	0.00
32 TMP Trichloroethene	1.000	1.050	-5.0	100	0.00
33 TMP 1,2-Dichloropropane	1.000	1.075	-7.5	100	0.00
34 TMP Bromodichloromethane	1.000	1.019	-1.9	100	0.00
35 S Toluene-d8	10.000	9.962	0.4	100	0.00
36 TMP Dibromomethane	1.000	1.057	-5.7	100	0.00
37 TMP 4-Methyl-2-pentanone	5.000	5.654	-13.1	100	0.00
38 TMP cis-1,3-Dichloropropene	1.000	1.061	-6.1	100	0.00
39 I Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40 TMP Toluene	1.000	1.078	-7.8	100	0.00
41 TMP trans-1,3-Dichloropropene	1.000	1.070	-7.0	100	0.00
42 TMP 1,1,2-Trichloroethane	1.000	1.093	-9.3	100	0.00
43 TMP 2-Hexanone	5.000	4.977	0.5	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110810.D
 Acq On : 8 Nov 2022 12:53 pm
 Operator : LM
 Sample : 1 ppb 8260 ICAL 67-177K
 Misc : soil/water
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:33 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	1.000	1.042	-4.2	100	0.00
45 TMP Tetrachloroethene	1.000	1.064	-6.4	100	0.00
46 TMP Dibromochloromethane	1.000	1.027	-2.7	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	1.000	1.055	-5.5	100	0.00
48 TMP Chlorobenzene	1.000	1.069	-6.9	100	0.00
49 TMP Ethylbenzene	1.000	1.049	-4.9	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	1.000	1.061	-6.1	100	0.00
51 TMP m,p-Xylene	2.000	2.076	-3.8	100	0.00
52 TMP o-Xylene	1.000	1.068	-6.8	100	0.00
53 TMP Styrene	1.000	1.015	-1.5	100	0.00
54 TMP Isopropylbenzene	1.000	1.056	-5.6	100	0.00
55 TMP Bromoform	1.000	0.998	0.2	100	0.00
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	10.000	10.323	-3.2	100	0.00
58 TMP n-Propylbenzene	1.000	1.114	-11.4	100	0.00
59 TMP Bromobenzene	1.000	1.122	-12.2	100	0.00
60 TMP 1,3,5-Trimethylbenzene	1.000	1.086	-8.6	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	1.000	1.118	-11.8	100	0.00
62 TMP 1,2,3-Trichloropropane	1.000	1.127	-12.7	100	0.00
63 TMP 2-Chlorotoluene	1.000	1.055	-5.5	100	0.00
64 TMP 4-Chlorotoluene	1.000	1.103	-10.3	100	0.00
65 TMP tert-Butylbenzene	1.000	1.096	-9.6	100	0.00
66 TMP 1,2,4-Trimethylbenzene	1.000	1.107	-10.7	100	0.00
67 TMP sec-Butylbenzene	1.000	1.099	-9.9	100	0.00
68 TMP p-Isopropyltoluene	1.000	1.123	-12.3	100	0.00
69 TMP 1,3-Dichlorobenzene	1.000	1.091	-9.1	100	0.00
70 TMP 1,4-Dichlorobenzene	1.000	1.094	-9.4	100	0.00
71 TMP 1,2-Dichlorobenzene	1.000	1.113	-11.3	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	1.000	1.079	-7.9	100	0.00
73 TMP 1,2,4-Trichlorobenzene	1.000	1.122	-12.2	100	0.00
74 TMP Hexachlorobutadiene	1.000	1.142	-14.2	100	0.00
75 TMP Naphthalene	1.000	1.092	-9.2	100	0.00
76 TMP 1,2,3-Trichlorobenzene	1.000	1.113	-11.3	100	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110810.D
 Acq On : 8 Nov 2022 12:53 pm
 Operator : LM
 Sample : 1 ppb 8260 ICAL 67-177K
 Misc : soil/water
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:33 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I Fluorobenzene	1.000	1.000	0.0	100	0.00
2 TMP Ethanol	0.000	0.000#	0.0	0#	-1.07#
3 S Dibromofluoromethane	0.275	0.268	2.5	100	0.00
4 TMP Dichlorodifluoromethane	0.410	0.319	22.2#	100	0.00
5 TMP Chloromethane	0.380	0.000#	100.0#	0#	-1.31#
6 TMP Vinyl chloride	0.360	0.379	-5.3	100	0.00
7 TMP Bromomethane	0.168	0.135	19.6	77	0.00
8 TMP Chloroethane	0.189	0.216	-14.3	100	0.00
9 TMP Trichlorofluoromethane	0.562	0.541	3.7	100	0.00
10 TMP 2-Propanol	0.000	0.000	0.0	0#	-2.99#
11 TMP Acetone	0.037	0.000#	100.0#	0#	0.00
12 TMP 1,1-Dichloroethene	0.333	0.351	-5.4	100	0.00
13 TMP Hexane	0.348	0.418	-20.1#	100	0.00
14 TMP Methylene chloride	0.369	0.000#	100.0#	0#	-2.73#
15 TMP t-Butyl alcohol (TBA)	0.051	0.059	-15.7	100	0.00
16 TMP Methyl t-butyl ether (MTBE)	0.971	1.018	-4.8	100	0.00
17 TMP trans-1,2-Dichloroethene	0.353	0.383	-8.5	100	0.00
18 TMP Diisopropyl ether (DIPE)	0.889	0.962	-8.2	100	0.00
19 TMP 1,1-Dichloroethane	0.536	0.577	-7.6	100	0.00
20 TMP Ethyl t-butyl ether (ETBE)	0.425	0.460	-8.2	100	0.00
21 TMP 2,2-Dichloropropane	0.352	0.422	-19.9	100	0.00
22 TMP cis-1,2-Dichloroethene	0.382	0.412	-7.9	100	0.00
23 TMP Chloroform	0.583	0.620	-6.3	100	0.00
24 TMP 2-Butanone (MEK)	0.186	0.193	-3.8	100	0.00
25 TMP t-Amyl methyl ether (TAME)	0.964	0.985	-2.2	100	0.00
26 TMP 1,2-Dichloroethane (EDC)	0.438	0.467	-6.6	100	0.00
27 TMP 1,1,1-Trichloroethane	0.532	0.560	-5.3	100	0.00
28 TMP 1,1-Dichloropropene	0.448	0.482	-7.6	100	0.00
29 TMP Carbon tetrachloride	0.479	0.504	-5.2	100	0.00
30 S 1,2-Dichloroethane-d4	0.063	0.060	4.8	100	0.00
31 TMP Benzene	1.286	1.336	-3.9	100	0.00
32 TMP Trichloroethene	0.373	0.392	-5.1	100	0.00
33 TMP 1,2-Dichloropropane	0.284	0.306	-7.7	100	0.00
34 TMP Bromodichloromethane	0.432	0.440	-1.9	100	0.00
35 S Toluene-d8	1.002	0.998	0.4	100	0.00
36 TMP Dibromomethane	0.216	0.228	-5.6	100	0.00
37 TMP 4-Methyl-2-pentanone	0.077	0.087	-13.0	100	0.00
38 TMP cis-1,3-Dichloropropene	0.504	0.535	-6.2	100	0.00
39 I Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40 TMP Toluene	0.968	1.043	-7.7	100	0.00
41 TMP trans-1,3-Dichloropropene	0.553	0.592	-7.1	100	0.00
42 TMP 1,1,2-Trichloroethane	0.293	0.320	-9.2	100	0.00
43 TMP 2-Hexanone	0.320	0.319	0.3	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110810.D
 Acq On : 8 Nov 2022 12:53 pm
 Operator : LM
 Sample : 1 ppb 8260 ICAL 67-177K
 Misc : soil/water
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:33 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.560	0.584	-4.3	100	0.00
45 TMP Tetrachloroethene	0.431	0.458	-6.3	100	0.00
46 TMP Dibromochloromethane	0.429	0.419	2.3	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	0.398	0.420	-5.5	100	0.00
48 TMP Chlorobenzene	1.148	1.228	-7.0	100	0.00
49 TMP Ethylbenzene	1.845	1.935	-4.9	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.426	0.451	-5.9	100	0.00
51 TMP m,p-Xylene	0.746	0.774	-3.8	100	0.00
52 TMP o-Xylene	0.741	0.792	-6.9	100	0.00
53 TMP Styrene	1.258	1.277	-1.5	100	0.00
54 TMP Isopropylbenzene	1.878	1.982	-5.5	100	0.00
55 TMP Bromoform	0.362	0.335	7.5	100	0.00
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	0.701	0.724	-3.3	100	0.00
58 TMP n-Propylbenzene	3.165	3.527	-11.4	100	0.00
59 TMP Bromobenzene	0.916	1.027	-12.1	100	0.00
60 TMP 1,3,5-Trimethylbenzene	2.336	2.536	-8.6	100	0.00
61 TMP 1,1,1,2-Tetrachloroethane	0.806	0.901	-11.8	100	0.00
62 TMP 1,2,3-Trichloropropane	0.610	0.688	-12.8	100	0.00
63 TMP 2-Chlorotoluene	1.890	1.993	-5.4	100	0.00
64 TMP 4-Chlorotoluene	2.253	2.484	-10.3	100	0.00
65 TMP tert-Butylbenzene	2.062	2.261	-9.7	100	0.00
66 TMP 1,2,4-Trimethylbenzene	2.433	2.693	-10.7	100	0.00
67 TMP sec-Butylbenzene	2.769	3.042	-9.9	100	0.00
68 TMP p-Isopropyltoluene	2.526	2.836	-12.3	100	0.00
69 TMP 1,3-Dichlorobenzene	1.624	1.772	-9.1	100	0.00
70 TMP 1,4-Dichlorobenzene	1.675	1.834	-9.5	100	0.00
71 TMP 1,2-Dichlorobenzene	1.595	1.775	-11.3	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	0.167	0.180	-7.8	100	0.00
73 TMP 1,2,4-Trichlorobenzene	1.200	1.347	-12.3	100	0.00
74 TMP Hexachlorobutadiene	0.463	0.529	-14.3	100	0.00
75 TMP Naphthalene	2.957	3.230	-9.2	100	0.00
76 TMP 1,2,3-Trichlorobenzene	1.136	1.264	-11.3	100	0.00

(#) = Out of Range

SPCC's out = 4 CCC's out = 0

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110810.D
 Acq On : 8 Nov 2022 12:53 pm
 Operator : LM
 Sample : 1 ppb 8260 ICAL 67-177K
 Misc : soil/water
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:33 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	4.78	96	88603	10.000	ppb	0.00
39) Chlorobenzene-d5	7.43	117	74537	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.65	152	47526	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.21	113	23746	9.749	ppb	0.00
Spiked Amount	10.000	Range 0 - 1000	Recovery	=	97.50%	
30) 1,2-Dichloroethane-d4	4.49	102	5355	9.519	ppb	0.00
Spiked Amount	10.000	Range 90 - 109	Recovery	=	95.20%	
35) Toluene-d8	6.14	98	88422	9.962	ppb	0.00
Spiked Amount	10.000	Range 89 - 112	Recovery	=	99.60%	
57) 4-Bromofluorobenzene	8.54	95	34407	10.323	ppb	0.00
Spiked Amount	10.000	Range 84 - 115	Recovery	=	103.20%	
Target Compounds						
						Qvalue
2) Ethanol	0.00		0	N.D.	d	
4) Dichlorodifluoromethane	1.17	85	2829	0.779	ppb	91
5) Chloromethane	0.00		0	N.D.	d	
6) Vinyl chloride	1.40	62	3361	1.053	ppb	80
7) Bromomethane	1.62	94	1197	0.806	ppb	97
8) Chloroethane	1.70	64	1915	1.144	ppb	75
9) Trichlorofluoromethane	1.90	101	4795m	0.963	ppb	
10) 2-Propanol	0.00		0	N.D.	d	
11) Acetone	2.39	58	2083	1.962	ppb	94
12) 1,1-Dichloroethene	2.32	96	3113	1.054	ppb	81
13) Hexane	3.20	57	3708	1.201	ppb	97
14) Methylene chloride	0.00		0	N.D.	d	
15) t-Butyl alcohol (TBA)	2.87	59	2593	5.712	ppb	90
16) Methyl t-butyl ether (...)	2.98	73	9019	1.048	ppb	97
17) trans-1,2-Dichloroethene	2.97	96	3394	1.086	ppb	82
18) Diisopropyl ether (DIPE)	3.40	45	8524	1.083	ppb	94
19) 1,1-Dichloroethane	3.32	63	5116	1.078	ppb	97
20) Ethyl t-butyl ether (E...)	3.70	87	4074	1.082	ppb	# 83
21) 2,2-Dichloropropane	3.81	77	3738	1.080	ppb	96
22) cis-1,2-Dichloroethene	3.81	96	3648	1.078	ppb	82
23) Chloroform	4.08	83	5492	1.057	ppb	87
24) 2-Butanone (MEK)	3.84	43	8542	5.180	ppb	99
25) t-Amyl methyl ether (T...)	4.65	73	8730	1.022	ppb	95
26) 1,2-Dichloroethane (EDC)	4.55	62	4141	1.067	ppb	96
27) 1,1,1-Trichloroethane	4.23	97	4959	1.051	ppb	96
28) 1,1-Dichloropropene	4.37	75	4267	1.075	ppb	87
29) Carbon tetrachloride	4.37	117	4469	1.052	ppb	96
31) Benzene	4.54	78	11836	1.039	ppb	92
32) Trichloroethene	5.09	95	3470	1.050	ppb	# 72
33) 1,2-Dichloropropane	5.27	63	2710	1.075	ppb	89
34) Bromodichloromethane	5.51	83	3898	1.019	ppb	99
36) Dibromomethane	5.37	93	2020	1.057	ppb	79

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110810.D
 Acq On : 8 Nov 2022 12:53 pm
 Operator : LM
 Sample : 1 ppb 8260 ICAL 67-177K
 Misc : soil/water
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS4

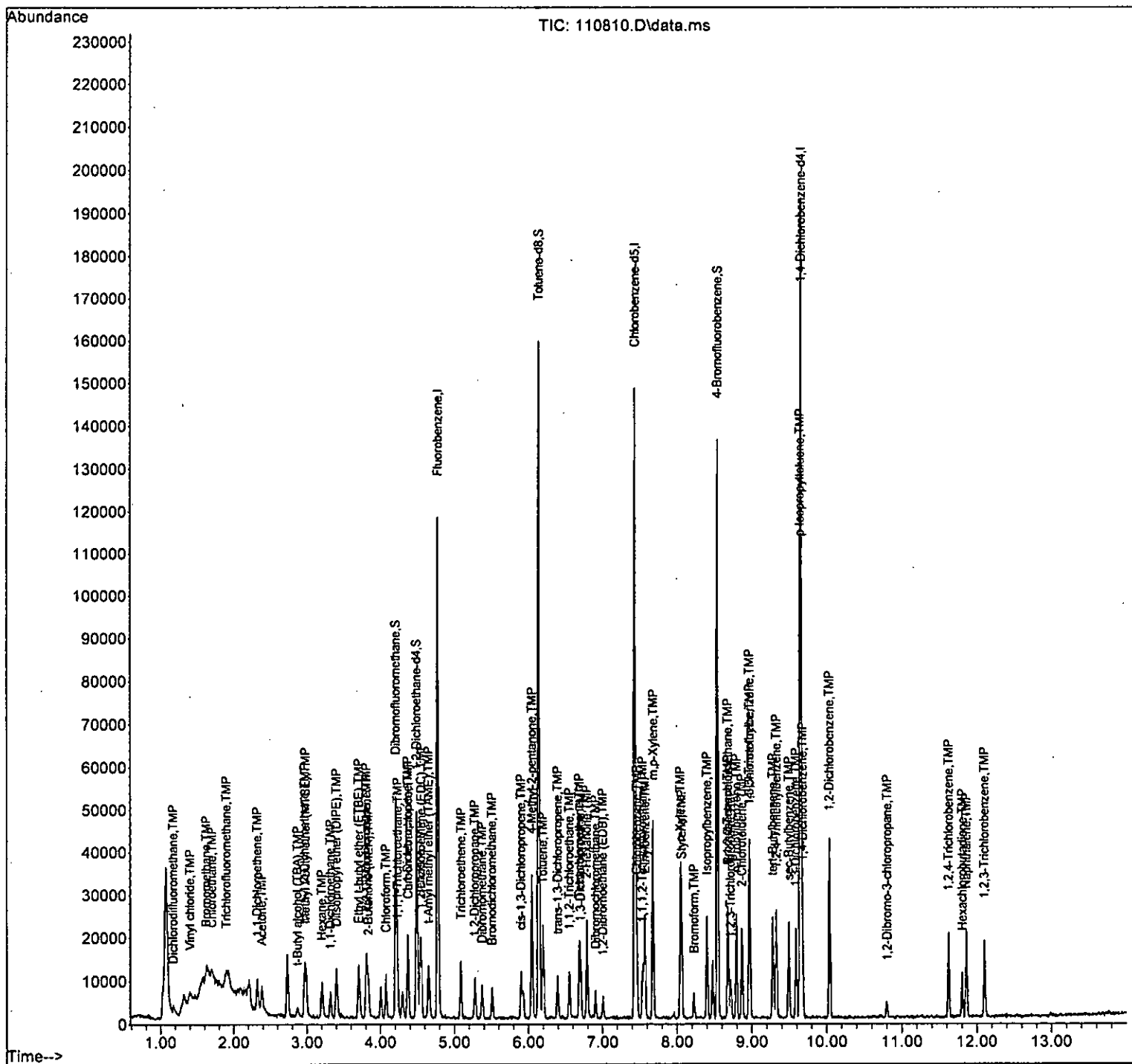
Quant Time: Nov 08 16:47:33 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	6.05	85	3852	5.654	ppb #	77
38) cis-1,3-Dichloropropene	5.90	75	4738	1.061	ppb	98
40) Toluene	6.19	92	7775	1.078	ppb	87
41) trans-1,3-Dichloropropene	6.39	75	4411	1.070	ppb	90
42) 1,1,2-Trichloroethane	6.55	83	2388	1.093	ppb	93
43) 2-Hexanone	6.79	43	11888	4.977	ppb	92
44) 1,3-Dichloropropane	6.70	76	4351	1.042	ppb	96
45) Tetrachloroethene	6.69	164	3417	1.064	ppb	89
46) Dibromochloromethane	6.91	129	3122	1.027	ppb	96
47) 1,2-Dibromoethane (EDB)	7.00	107	3131	1.055	ppb	91
48) Chlorobenzene	7.46	112	9150	1.069	ppb	87
49) Ethylbenzene	7.57	91	14423	1.049	ppb	89
50) 1,1,1,2-Tetrachloroethane	7.54	131	3364	1.061	ppb	94
51) m,p-Xylene	7.68	106	11543	2.076	ppb	88
52) o-Xylene	8.05	106	5903	1.068	ppb #	80
53) Styrene	8.06	104	9518	1.015	ppb	87
54) Isopropylbenzene	8.40	105	14776	1.056	ppb	94
55) Bromoform	8.23	173	2496	0.998	ppb	96
58) n-Propylbenzene	8.79	91	16762	1.114	ppb	96
59) Bromobenzene	8.68	156	4883	1.122	ppb #	78
60) 1,3,5-Trimethylbenzene	8.97	105	12053	1.086	ppb	80
61) 1,1,2,2-Tetrachloroethane	8.68	83	4283	1.118	ppb	90
62) 1,2,3-Trichloropropane	8.72	75	3269	1.127	ppb	99
63) 2-Chlorotoluene	8.87	91	9472	1.055	ppb	81
64) 4-Chlorotoluene	8.97	91	11807	1.103	ppb	80
65) tert-Butylbenzene	9.28	119	10745	1.096	ppb	77
66) 1,2,4-Trimethylbenzene	9.33	105	12800	1.107	ppb	92
67) sec-Butylbenzene	9.49	105	14457	1.099	ppb	89
68) p-Isopropyltoluene	9.64	119	13478	1.123	ppb	93
69) 1,3-Dichlorobenzene	9.59	146	8422	1.091	ppb	95
70) 1,4-Dichlorobenzene	9.68	146	8714	1.094	ppb	94
71) 1,2-Dichlorobenzene	10.03	146	8437	1.113	ppb	85
72) 1,2-Dibromo-3-chloropr...	10.80	75	857	1.079	ppb #	65
73) 1,2,4-Trichlorobenzene	11.62	180	6401	1.122	ppb	100
74) Hexachlorobutadiene	11.81	225	2512	1.142	ppb	92
75) Naphthalene	11.86	128	15350	1.092	ppb	97
76) 1,2,3-Trichlorobenzene	12.10	180	6008	1.113	ppb	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110810.D
 Acq On : 8 Nov 2022 12:53 pm
 Operator : LM
 Sample : 1 ppb 8260 ICAL 67-177K
 Misc : soil/water
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS4

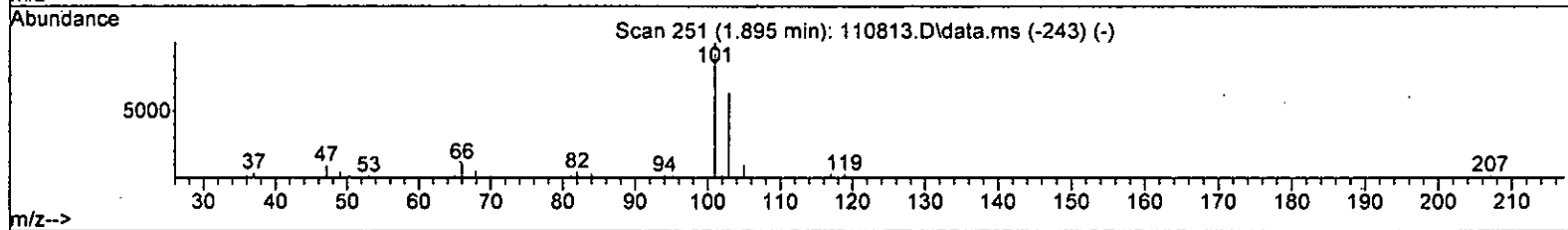
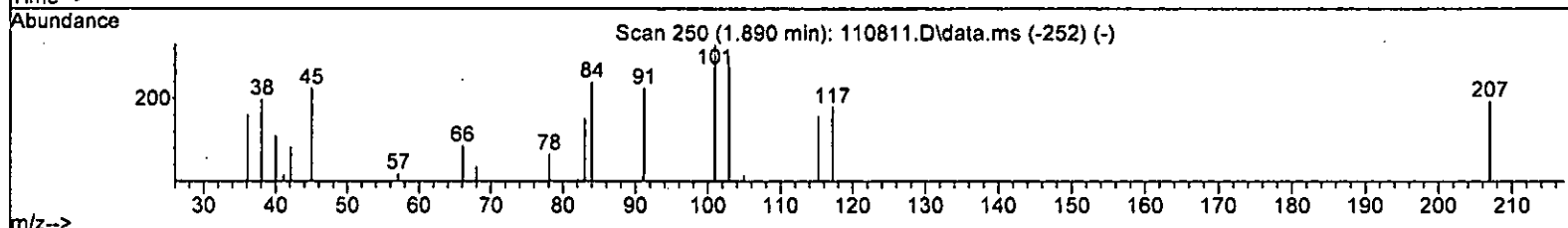
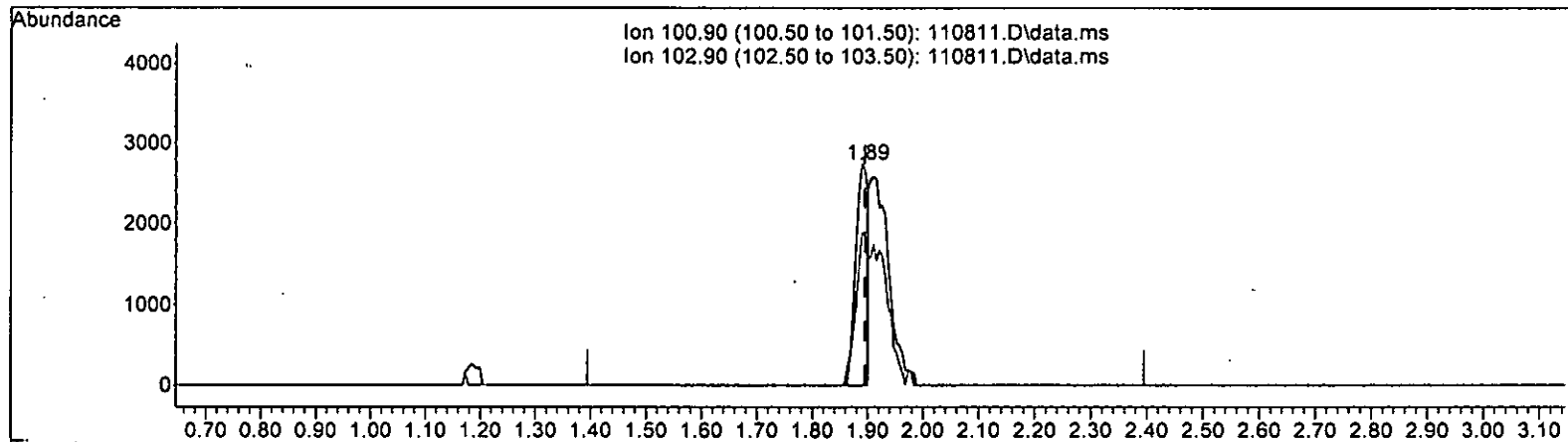
Quant Time: Nov 08 16:47:33 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110811.D
 Acq On : 8 Nov 2022 1:17 pm
 Operator : LM
 Sample : 2 ppb 8260 ICAL 67-177L
 Misc : soil/water
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:35 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



TIC: 110811.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.890min (-0.005) 0.845 ppb

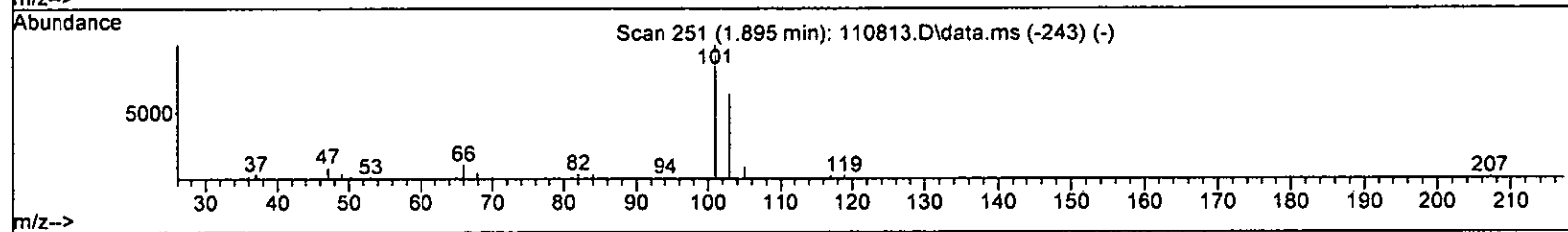
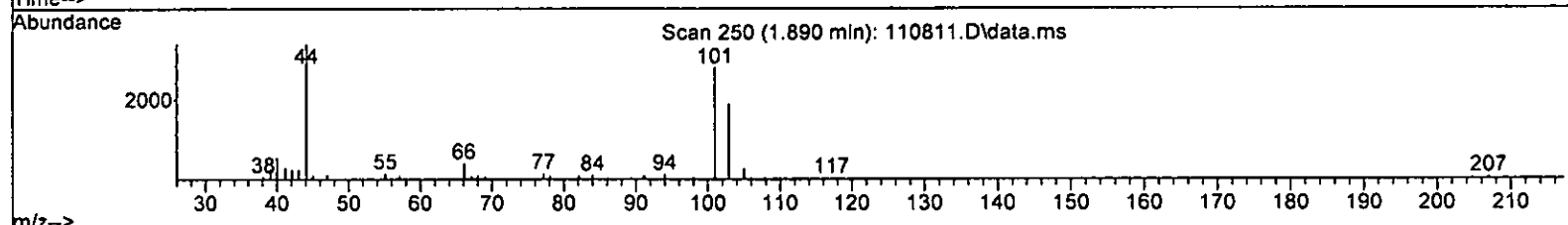
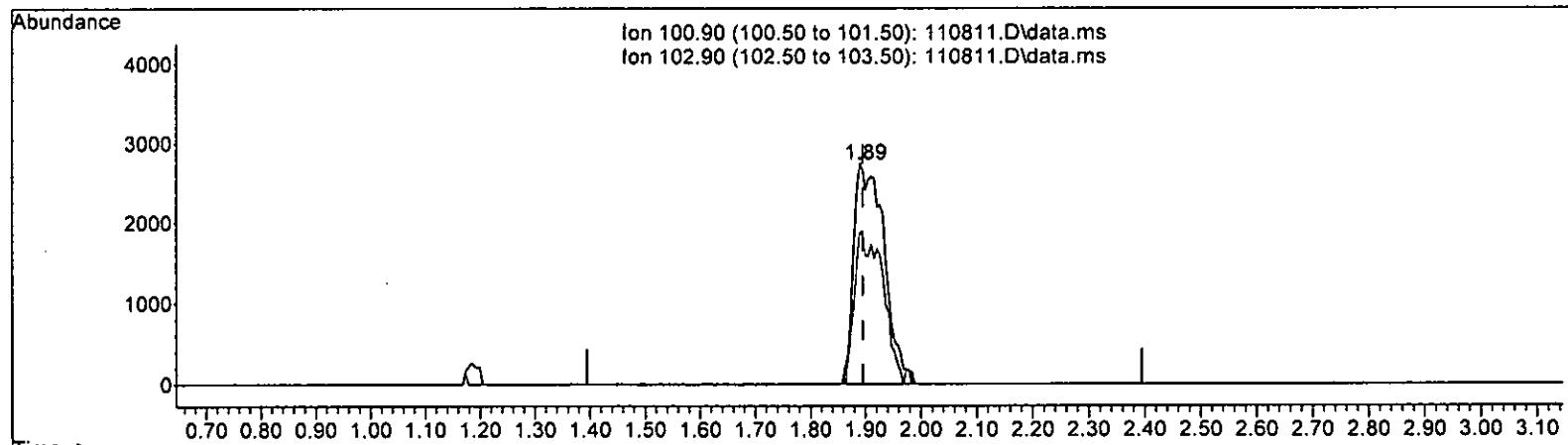
response 4197

Ion	Exp%	Act%
100.90	100.00	100.00
102.90	61.00	68.76
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110811.D
 Acq On : 8 Nov 2022 1:17 pm
 Operator : LM
 Sample : 2 ppb 8260 ICAL 67-177L
 Misc : soil/water
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:35 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



TIC: 110811.D\data.ms

(9) Trichlorofluoromethane (TFM)

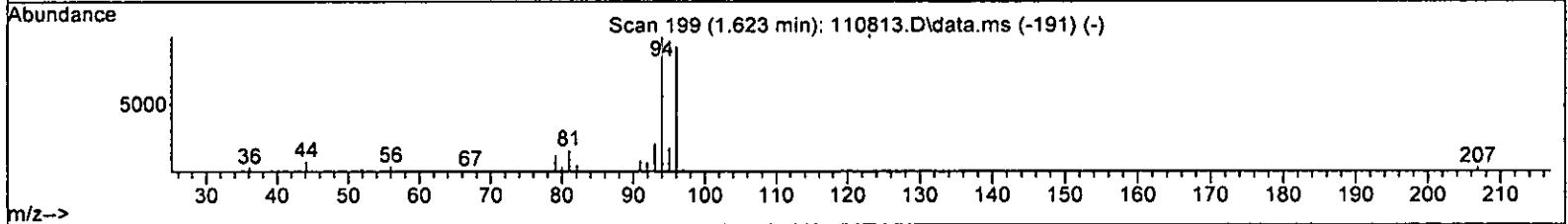
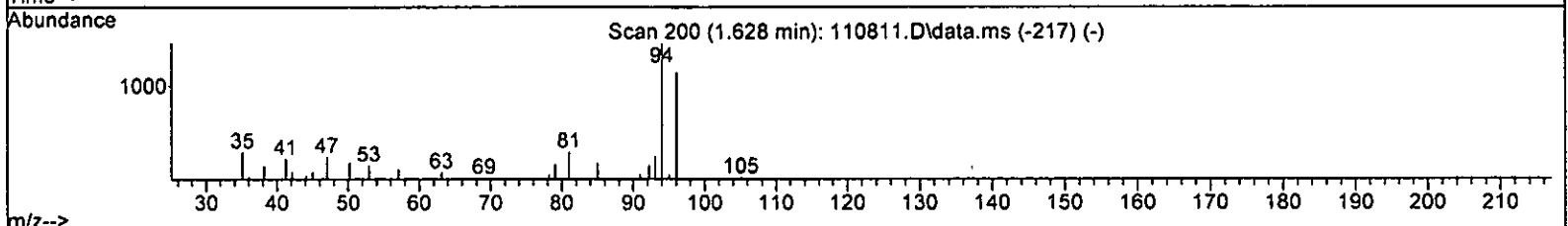
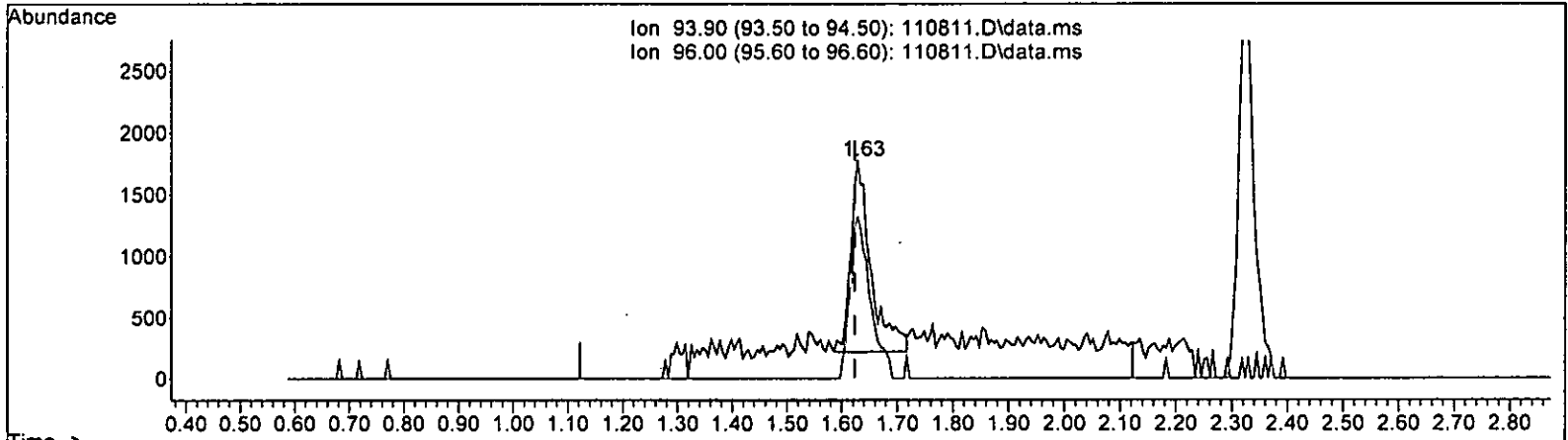
1.890min (-0.005) 2.074 ppb m

response	10299		
Ion	Exp%	Act%	
100.90	100.00	100.00	
102.90	61.00	68.76	
0.00	0.00	0.00	
0.00	0.00	0.00	

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110811.D
 Acq On : 8 Nov 2022 1:17 pm
 Operator : LM
 Sample : 2 ppb 8260 ICAL 67-177L
 Misc : soil/water
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:35 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



TIC: 110811.D\data.ms

(7) Bromomethane (TMP)

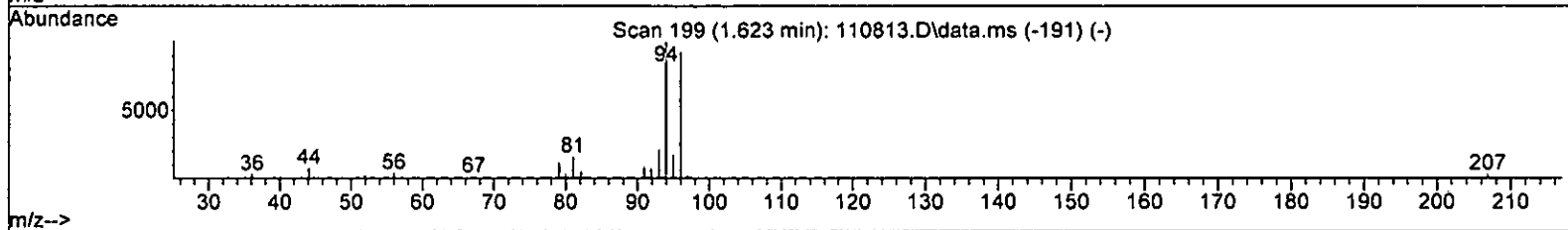
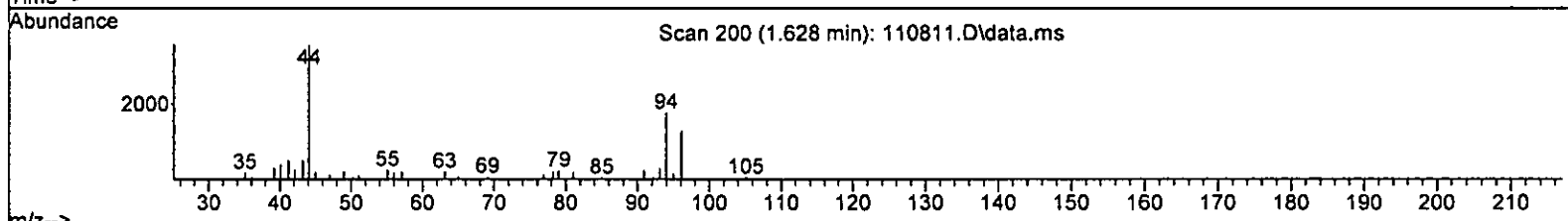
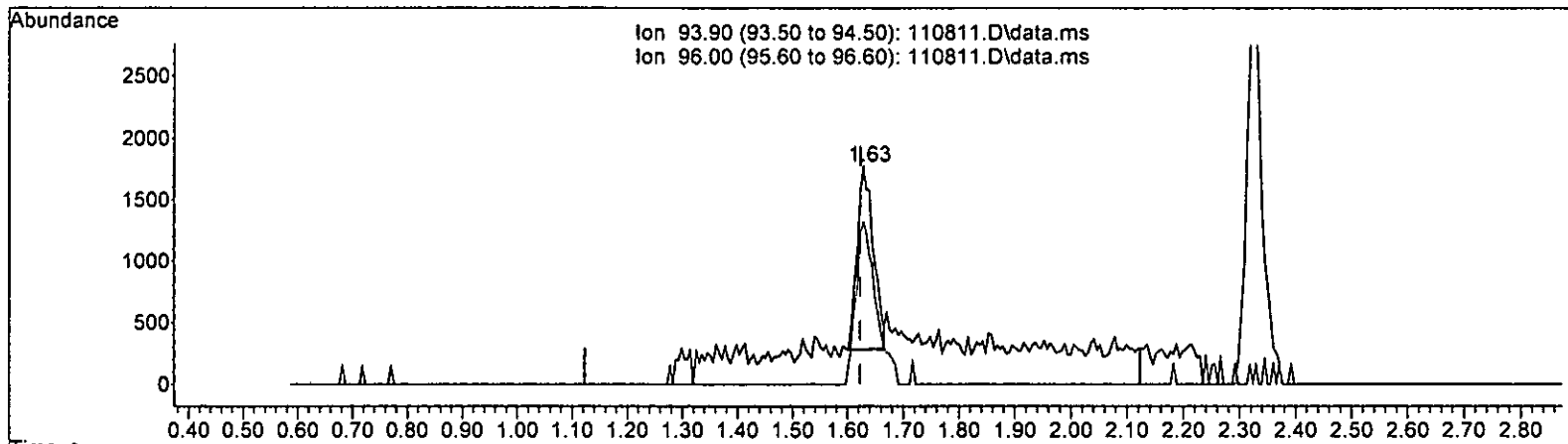
1.628min (+ 0.005) 2.653 ppb

response	3929
Ion	Exp% Act%
93.90	100.00 100.00
96.00	89.10 85.17
0.00	0.00 0.00
0.00	0.00 0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110811.D
 Acq On : 8 Nov 2022 1:17 pm
 Operator : LM
 Sample : 2 ppb 8260 ICAL 67-177L
 Misc : soil/water
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:35 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



TIC: 110811.D\data.ms

(7) Bromomethane (TMP)

1.628min (+ 0.005) 2.005 ppb m

response	2970	
Ion	Exp%	Act%
93.90	100.00	100.00
96.00	89.10	74.76
0.00	0.00	0.00
0.00	0.00	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110811.D
 Acq On : 8 Nov 2022 1:17 pm
 Operator : LM
 Sample : 2 ppb 8260 ICAL 67-177L
 Misc : soil/water
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:35 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2 TMP	Ethanol	-1.000	0.000	0.0	0	-1.07#
3 S	Dibromofluoromethane	10.000	10.098	-1.0	100	0.00
4 TMP	Dichlorodifluoromethane	2.000	1.922	3.9	100	0.01
5 TMP	Chloromethane	2.000	2.240	-12.0	100	0.01
6 TMP	Vinyl chloride	2.000	2.032	-1.6	100	0.01
7 TMP	Bromomethane	2.000	2.005	-0.2	76	0.00
8 TMP	Chloroethane	2.000	2.289	-14.5	100	0.01
9 TMP	Trichlorofluoromethane	2.000	2.074	-3.7	100	0.00
10 TMP	2-Propanol	-1.000	0.000	0.0	0	-2.99#
11 TMP	Acetone	10.000	7.405	25.9#	100	0.00
12 TMP	1,1-Dichloroethene	2.000	2.104	-5.2	100	0.00
13 TMP	Hexane	2.000	2.227	-11.3	100	0.00
14 TMP	Methylene chloride	2.000	2.089	-4.4	100	0.00
15 TMP	t-Butyl alcohol (TBA)	10.000	10.174	-1.7	100	0.00
16 TMP	Methyl t-butyl ether (MTBE)	2.000	2.144	-7.2	100	0.00
17 TMP	trans-1,2-Dichloroethene	2.000	2.059	-3.0	100	0.00
18 TMP	Diisopropyl ether (DIPE)	2.000	2.082	-4.1	100	0.00
19 TMP	1,1-Dichloroethane	2.000	2.096	-4.8	100	0.00
20 TMP	Ethyl t-butyl ether (ETBE)	2.000	2.121	-6.0	100	0.00
21 TMP	2,2-Dichloropropane	2.000	2.269	-13.5	100	0.00
22 TMP	cis-1,2-Dichloroethene	2.000	2.111	-5.6	100	0.00
23 TMP	Chloroform	2.000	2.079	-4.0	100	0.00
24 TMP	2-Butanone (MEK)	10.000	9.889	1.1	100	0.00
25 TMP	t-Amyl methyl ether (TAME)	2.000	2.140	-7.0	100	0.00
26 TMP	1,2-Dichloroethane (EDC)	2.000	2.167	-8.3	100	0.00
27 TMP	1,1,1-Trichloroethane	2.000	2.137	-6.9	100	0.00
28 TMP	1,1-Dichloropropene	2.000	2.087	-4.4	100	0.00
29 TMP	Carbon tetrachloride	2.000	2.071	-3.6	100	0.00
30 S	1,2-Dichloroethane-d4	10.000	9.991	0.1	100	0.00
31 TMP	Benzene	2.000	2.164	-8.2	100	0.00
32 TMP	Trichloroethene	2.000	2.007	-0.4	100	0.00
33 TMP	1,2-Dichloropropane	2.000	2.125	-6.3	100	0.00
34 TMP	Bromodichloromethane	2.000	2.087	-4.4	100	0.00
35 S	Toluene-d8	10.000	9.740	2.6	100	0.00
36 TMP	Dibromomethane	2.000	2.113	-5.6	100	0.00
37 TMP	4-Methyl-2-pentanone	10.000	9.895	1.1	100	0.00
38 TMP	cis-1,3-Dichloropropene	2.000	1.993	0.3	100	0.00
39 I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40 TMP	Toluene	2.000	2.184	-9.2	100	0.00
41 TMP	trans-1,3-Dichloropropene	2.000	2.007	-0.4	100	0.00
42 TMP	1,1,2-Trichloroethane	2.000	2.158	-7.9	100	0.00
43 TMP	2-Hexanone	10.000	10.236	-2.4	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110811.D
 Acq On : 8 Nov 2022 1:17 pm
 Operator : LM
 Sample : 2 ppb 8260 ICAL 67-177L
 Misc : soil/water
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:35 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	2.000	2.076	-3.8	100	0.00
45 TMP Tetrachloroethene	2.000	2.191	-9.5	100	0.00
46 TMP Dibromochloromethane	2.000	2.144	-7.2	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	2.000	2.067	-3.4	100	0.00
48 TMP Chlorobenzene	2.000	2.088	-4.4	100	0.00
49 TMP Ethylbenzene	2.000	2.110	-5.5	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	2.000	2.174	-8.7	100	0.00
51 TMP m,p-Xylene	4.000	4.242	-6.0	100	0.00
52 TMP o-Xylene	2.000	2.075	-3.8	100	0.00
53 TMP Styrene	2.000	2.169	-8.5	100	0.00
54 TMP Isopropylbenzene	2.000	2.118	-5.9	100	0.00
55 TMP Bromoform	2.000	2.048	-2.4	100	0.00
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	10.000	9.959	0.4	100	0.00
58 TMP n-Propylbenzene	2.000	2.064	-3.2	100	0.00
59 TMP Bromobenzene	2.000	2.155	-7.7	100	0.00
60 TMP 1,3,5-Trimethylbenzene	2.000	2.064	-3.2	100	0.00
61 TMP 1,1,1,2-Tetrachloroethane	2.000	2.133	-6.7	100	0.00
62 TMP 1,2,3-Trichloropropane	2.000	2.089	-4.4	100	0.00
63 TMP 2-Chlorotoluene	2.000	2.140	-7.0	100	0.00
64 TMP 4-Chlorotoluene	2.000	2.075	-3.8	100	0.00
65 TMP tert-Butylbenzene	2.000	2.110	-5.5	100	0.00
66 TMP 1,2,4-Trimethylbenzene	2.000	2.110	-5.5	100	0.00
67 TMP sec-Butylbenzene	2.000	2.082	-4.1	100	0.00
68 TMP p-Isopropyltoluene	2.000	2.101	-5.0	100	0.00
69 TMP 1,3-Dichlorobenzene	2.000	2.111	-5.6	100	0.00
70 TMP 1,4-Dichlorobenzene	2.000	2.152	-7.6	100	0.00
71 TMP 1,2-Dichlorobenzene	2.000	2.109	-5.4	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	2.000	1.826	8.7	100	0.00
73 TMP 1,2,4-Trichlorobenzene	2.000	2.100	-5.0	100	0.00
74 TMP Hexachlorobutadiene	2.000	2.101	-5.0	100	0.00
75 TMP Naphthalene	2.000	2.066	-3.3	100	0.00
76 TMP 1,2,3-Trichlorobenzene	2.000	2.154	-7.7	100	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110811.D
 Acq On : 8 Nov 2022 1:17 pm
 Operator : LM
 Sample : 2 ppb 8260 ICAL 67-177L
 Misc : soil/water
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:35 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I Fluorobenzene	1.000	1.000	0.0	100	0.00
2 TMP Ethanol	0.000	0.000#	0.0	0#	-1.07#
3 S Dibromofluoromethane	0.275	0.278	-1.1	100	0.00
4 TMP Dichlorodifluoromethane	0.410	0.394	3.9	100	0.01
5 TMP Chloromethane	0.380	0.425	-11.8	100	0.01
6 TMP Vinyl chloride	0.360	0.366	-1.7	100	0.01
7 TMP Bromomethane	0.168	0.168	0.0	76	0.00
8 TMP Chloroethane	0.189	0.216	-14.3	100	0.01
9 TMP Trichlorofluoromethane	0.562	0.583	-3.7	100	0.00
10 TMP 2-Propanol	0.000	0.000	0.0	0#	-2.99#
11 TMP Acetone	0.037	0.035	5.4	100	0.00
12 TMP 1,1-Dichloroethene	0.333	0.351	-5.4	100	0.00
13 TMP Hexane	0.348	0.388	-11.5	100	0.00
14 TMP Methylene chloride	0.369	0.579	-56.9#	100	0.00
15 TMP t-Butyl alcohol (TBA)	0.051	0.052	-2.0	100	0.00
16 TMP Methyl t-butyl ether (MTBE)	0.971	1.041	-7.2	100	0.00
17 TMP trans-1,2-Dichloroethene	0.353	0.363	-2.8	100	0.00
18 TMP Diisopropyl ether (DIPE)	0.889	0.925	-4.0	100	0.00
19 TMP 1,1-Dichloroethane	0.536	0.561	-4.7	100	0.00
20 TMP Ethyl t-butyl ether (ETBE)	0.425	0.451	-6.1	100	0.00
21 TMP 2,2-Dichloropropane	0.352	0.414	-17.6	100	0.00
22 TMP cis-1,2-Dichloroethene	0.382	0.403	-5.5	100	0.00
23 TMP Chloroform	0.583	0.606	-3.9	100	0.00
24 TMP 2-Butanone (MEK)	0.186	0.184	1.1	100	0.00
25 TMP t-Amyl methyl ether (TAME)	0.964	1.031	-7.0	100	0.00
26 TMP 1,2-Dichloroethane (EDC)	0.438	0.475	-8.4	100	0.00
27 TMP 1,1,1-Trichloroethane	0.532	0.569	-7.0	100	0.00
28 TMP 1,1-Dichloropropene	0.448	0.468	-4.5	100	0.00
29 TMP Carbon tetrachloride	0.479	0.496	-3.5	100	0.00
30 S 1,2-Dichloroethane-d4	0.063	0.063	0.0	100	0.00
31 TMP Benzene	1.286	1.391	-8.2	100	0.00
32 TMP Trichloroethene	0.373	0.374	-0.3	100	0.00
33 TMP 1,2-Dichloropropane	0.284	0.302	-6.3	100	0.00
34 TMP Bromodichloromethane	0.432	0.451	-4.4	100	0.00
35 S Toluene-d8	1.002	0.976	2.6	100	0.00
36 TMP Dibromomethane	0.216	0.228	-5.6	100	0.00
37 TMP 4-Methyl-2-pentanone	0.077	0.076	1.3	100	0.00
38 TMP cis-1,3-Dichloropropene	0.504	0.502	0.4	100	0.00
39 I Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40 TMP Toluene	0.968	1.057	-9.2	100	0.00
41 TMP trans-1,3-Dichloropropene	0.553	0.555	-0.4	100	0.00
42 TMP 1,1,2-Trichloroethane	0.293	0.316	-7.8	100	0.00
43 TMP 2-Hexanone	0.320	0.328	-2.5	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110811.D
 Acq On : 8 Nov 2022 1:17 pm
 Operator : LM
 Sample : 2 ppb 8260 ICAL 67-177L
 Misc : soil/water
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:35 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.560	0.582	-3.9	100	0.00
45 TMP Tetrachloroethene	0.431	0.472	-9.5	100	0.00
46 TMP Dibromochloromethane	0.429	0.444	-3.5	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	0.398	0.412	-3.5	100	0.00
48 TMP Chlorobenzene	1.148	1.199	-4.4	100	0.00
49 TMP Ethylbenzene	1.845	1.946	-5.5	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.426	0.463	-8.7	100	0.00
51 TMP m,p-Xylene	0.746	0.791	-6.0	100	0.00
52 TMP o-Xylene	0.741	0.769	-3.8	100	0.00
53 TMP Styrene	1.258	1.364	-8.4	100	0.00
54 TMP Isopropylbenzene	1.878	1.989	-5.9	100	0.00
55 TMP Bromoform	0.362	0.345	4.7	100	0.00
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	0.701	0.698	0.4	100	0.00
58 TMP n-Propylbenzene	3.165	3.266	-3.2	100	0.00
59 TMP Bromobenzene	0.916	0.987	-7.8	100	0.00
60 TMP 1,3,5-Trimethylbenzene	2.336	2.411	-3.2	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.806	0.860	-6.7	100	0.00
62 TMP 1,2,3-Trichloropropane	0.610	0.638	-4.6	100	0.00
63 TMP 2-Chlorotoluene	1.890	2.022	-7.0	100	0.00
64 TMP 4-Chlorotoluene	2.253	2.337	-3.7	100	0.00
65 TMP tert-Butylbenzene	2.062	2.176	-5.5	100	0.00
66 TMP 1,2,4-Trimethylbenzene	2.433	2.567	-5.5	100	0.00
67 TMP sec-Butylbenzene	2.769	2.882	-4.1	100	0.00
68 TMP p-Isopropyltoluene	2.526	2.653	-5.0	100	0.00
69 TMP 1,3-Dichlorobenzene	1.624	1.715	-5.6	100	0.00
70 TMP 1,4-Dichlorobenzene	1.675	1.803	-7.6	100	0.00
71 TMP 1,2-Dichlorobenzene	1.595	1.682	-5.5	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	0.167	0.153	8.4	100	0.00
73 TMP 1,2,4-Trichlorobenzene	1.200	1.261	-5.1	100	0.00
74 TMP Hexachlorobutadiene	0.463	0.486	-5.0	100	0.00
75 TMP Naphthalene	2.957	3.055	-3.3	100	0.00
76 TMP 1,2,3-Trichlorobenzene	1.136	1.224	-7.7	100	0.00

(#) = Out of Range

SPCC's out = 1 CCC's out = 0

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110811.D
 Acq On : 8 Nov 2022 1:17 pm
 Operator : LM
 Sample : 2 ppb 8260 ICAL 67-177L
 Misc : soil/water
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:35 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	4.78	96	88402	10.000	ppb	0.00
39) Chlorobenzene-d5	7.43	117	71977	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.65	152	47903	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.21	113	24540	10.098	ppb	0.00
Spiked Amount	10.000	Range	0 - 1000	Recovery	=	101.00%
30) 1,2-Dichloroethane-d4	4.49	102	5608	9.991	ppb	0.00
Spiked Amount	10.000	Range	90 - 109	Recovery	=	99.90%
35) Toluene-d8	6.14	98	86255	9.740	ppb	0.00
Spiked Amount	10.000	Range	89 - 112	Recovery	=	97.40%
57) 4-Bromofluorobenzene	8.54	95	33458	9.959	ppb	0.00
Spiked Amount	10.000	Range	84 - 115	Recovery	=	99.60%
Target Compounds						
2) Ethanol	0.00		0	N.D.	d	
4) Dichlorodifluoromethane	1.18	85	6960	1.922	ppb	92
5) Chloromethane	1.32	50	7520	2.240	ppb	94
6) Vinyl chloride	1.41	62	6473	2.032	ppb	91
7) Bromomethane	1.63	94	2970m	2.005	ppb	
8) Chloroethane	1.71	64	3823	2.289	ppb	77
9) Trichlorofluoromethane	1.89	101	10299m	2.074	ppb	
10) 2-Propanol	0.00		0	N.D.	d	
11) Acetone	2.38	58	3125	7.405	ppb	# 79
12) 1,1-Dichloroethene	2.32	96	6202	2.104	ppb	# 71
13) Hexane	3.21	57	6861	2.227	ppb	91
14) Methylene chloride	2.74	84	10230	2.089	ppb	# 80
15) t-Butyl alcohol (TBA)	2.87	59	4608	10.174	ppb	73
16) Methyl t-butyl ether (...)	2.99	73	18412	2.144	ppb	99
17) trans-1,2-Dichloroethene	2.97	96	6423	2.059	ppb	83
18) Diisopropyl ether (DIPE)	3.40	45	16356	2.082	ppb	95
19) 1,1-Dichloroethane	3.32	63	9927	2.096	ppb	94
20) Ethyl t-butyl ether (E...)	3.70	87	7969	2.121	ppb	93
21) 2,2-Dichloropropane	3.81	77	7322	2.269	ppb	95
22) cis-1,2-Dichloroethene	3.81	96	7128	2.111	ppb	# 75
23) Chloroform	4.08	83	10719	2.079	ppb	99
24) 2-Butanone (MEK)	3.83	43	16269	9.889	ppb	95
25) t-Amyl methyl ether (T...)	4.65	73	18227	2.140	ppb	96
26) 1,2-Dichloroethane (EDC)	4.55	62	8393	2.167	ppb	96
27) 1,1,1-Trichloroethane	4.23	97	10058	2.137	ppb	93
28) 1,1-Dichloropropene	4.37	75	8269	2.087	ppb	95
29) Carbon tetrachloride	4.37	117	8775	2.071	ppb	95
31) Benzene	4.54	78	24594	2.164	ppb	96
32) Trichloroethene	5.09	95	6617	2.007	ppb	80
33) 1,2-Dichloropropane	5.27	63	5343	2.125	ppb	92
34) Bromodichloromethane	5.51	83	7966	2.087	ppb	98
36) Dibromomethane	5.37	93	4029	2.113	ppb	80

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110811.D
 Acq On : 8 Nov 2022 1:17 pm
 Operator : LM
 Sample : 2 ppb 8260 ICAL 67-177L
 Misc : soil/water
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS4

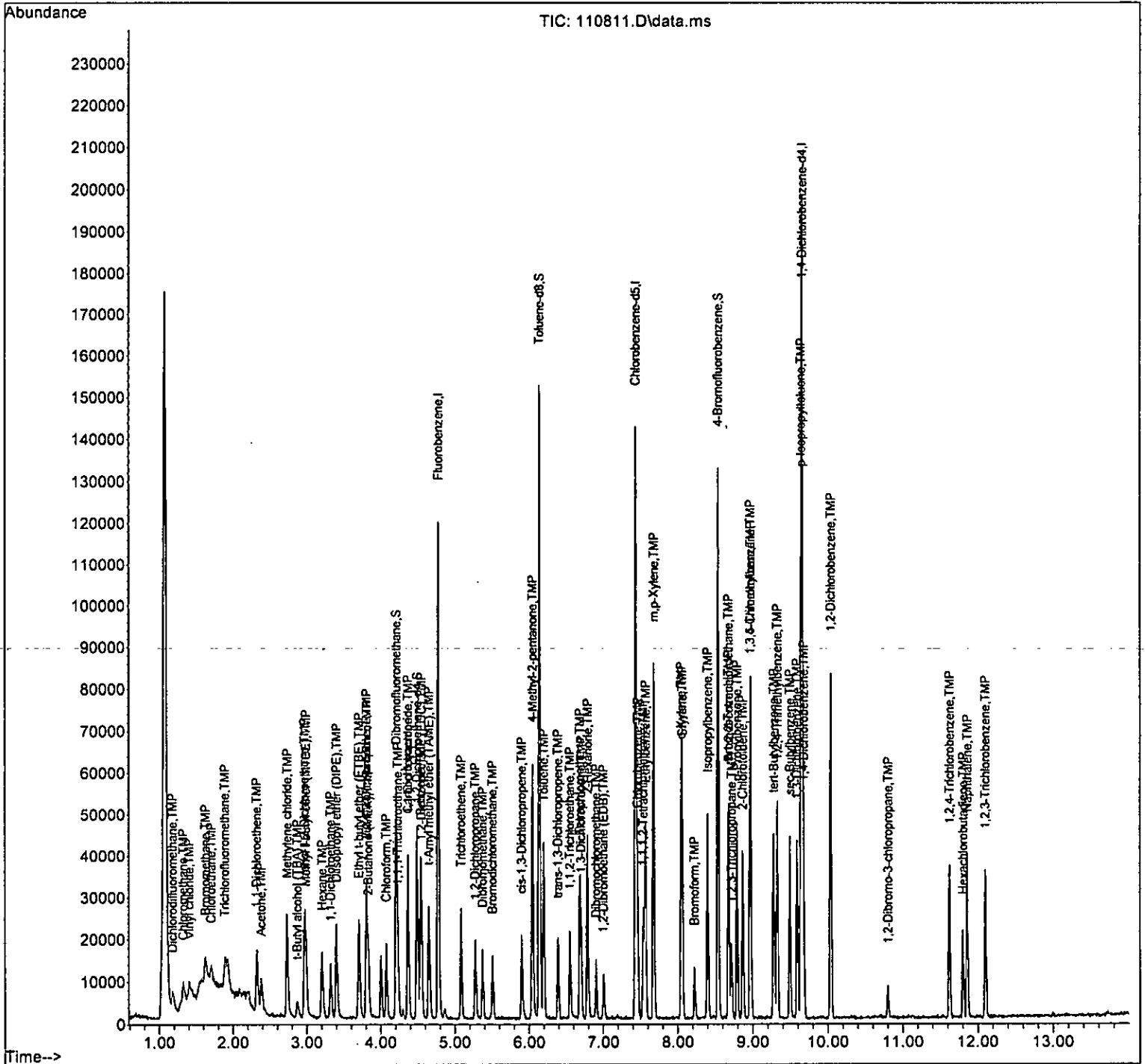
Quant Time: Nov 08 16:47:35 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
37) 4-Methyl-2-pentanone	6.05	85	6726	9.895	ppb	#	74
38) cis-1,3-Dichloropropene	5.90	75	8883	1.993	ppb		96
40) Toluene	6.20	92	15212	2.184	ppb		96
41) trans-1,3-Dichloropropene	6.39	75	7985	2.007	ppb		99
42) 1,1,2-Trichloroethane	6.55	83	4552	2.158	ppb		96
43) 2-Hexanone	6.79	43	23609	10.236	ppb		95
44) 1,3-Dichloropropane	6.70	76	8372	2.076	ppb		98
45) Tetrachloroethene	6.69	164	6793	2.191	ppb		94
46) Dibromochloromethane	6.91	129	6396	2.144	ppb		92
47) 1,2-Dibromoethane (EDB)	7.00	107	5925	2.067	ppb		98
48) Chlorobenzene	7.46	112	17257	2.088	ppb		91
49) Ethylbenzene	7.57	91	28020	2.110	ppb		94
50) 1,1,1,2-Tetrachloroethane	7.54	131	6659	2.174	ppb		95
51) m,p-Xylene	7.68	106	22778	4.242	ppb		92
52) o-Xylene	8.05	106	11069	2.075	ppb		87
53) Styrene	8.06	104	19637	2.169	ppb		88
54) Isopropylbenzene	8.40	105	28628	2.118	ppb		90
55) Bromoform	8.22	173	4969	2.048	ppb		91
58) n-Propylbenzene	8.79	91	31295	2.064	ppb		89
59) Bromobenzene	8.68	156	9453	2.155	ppb	#	82
60) 1,3,5-Trimethylbenzene	8.97	105	23103	2.064	ppb		81
61) 1,1,2,2-Tetrachloroethane	8.68	83	8238	2.133	ppb		93
62) 1,2,3-Trichloropropane	8.72	75	6109	2.089	ppb		98
63) 2-Chlorotoluene	8.87	91	19368	2.140	ppb		92
64) 4-Chlorotoluene	8.97	91	22392	2.075	ppb		84
65) tert-Butylbenzene	9.28	119	20845	2.110	ppb		83
66) 1,2,4-Trimethylbenzene	9.33	105	24597	2.110	ppb		91
67) sec-Butylbenzene	9.49	105	27615	2.082	ppb		93
68) p-Isopropyltoluene	9.64	119	25417	2.101	ppb		90
69) 1,3-Dichlorobenzene	9.59	146	16426	2.111	ppb		95
70) 1,4-Dichlorobenzene	9.68	146	17274	2.152	ppb		94
71) 1,2-Dichlorobenzene	10.04	146	16113	2.109	ppb		92
72) 1,2-Dibromo-3-chloropr...	10.80	75	1462	1.826	ppb	#	73
73) 1,2,4-Trichlorobenzene	11.62	180	12077	2.100	ppb		96
74) Hexachlorobutadiene	11.81	225	4657	2.101	ppb		98
75) Naphthalene	11.86	128	29266	2.066	ppb		99
76) 1,2,3-Trichlorobenzene	12.10	180	11722	2.154	ppb		92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110811.D
 Acq On : 8 Nov 2022 1:17 pm
 Operator : LM
 Sample : 2 ppb 8260 ICAL 67-177L
 Misc : soil/water
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:35 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110812.D
 Acq On : 8 Nov 2022 1:42 pm
 Operator : LM
 Sample : 5 ppb 8260 ICAL 67-177M
 Misc : soil/water
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:37 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I Fluorobenzene	10.000	10.000	0.0	100	0.00
2 TMP Ethanol	-1.000	0.000	0.0	100	0.00
3 S Dibromofluoromethane	10.000	9.840	1.6	100	0.00
4 TMP Dichlorodifluoromethane	5.000	4.545	9.1	100	0.00
5 TMP Chloromethane	5.000	4.484	10.3	100	0.00
6 TMP Vinyl chloride	5.000	4.555	8.9	100	0.00
7 TMP Bromomethane	5.000	4.266	14.7	100	0.00
8 TMP Chloroethane	5.000	4.439	11.2	100	0.00
9 TMP Trichlorofluoromethane	5.000	4.325	13.5	100	0.00
10 TMP 2-Propanol	-1.000	0.000	0.0	0	0.00
11 TMP Acetone	25.000	22.627	9.5	100	0.00
12 TMP 1,1-Dichloroethene	5.000	4.210	15.8	100	0.00
13 TMP Hexane	5.000	4.396	12.1	100	0.00
14 TMP Methylene chloride	5.000	4.385	12.3	100	0.00
15 TMP t-Butyl alcohol (TBA)	25.000	21.877	12.5	100	0.00
16 TMP Methyl t-butyl ether (MTBE)	5.000	4.383	12.3	100	0.00
17 TMP trans-1,2-Dichloroethene	5.000	4.239	15.2	100	0.00
18 TMP Diisopropyl ether (DIPE)	5.000	4.237	15.3	100	0.00
19 TMP 1,1-Dichloroethane	5.000	4.300	14.0	100	0.00
20 TMP Ethyl t-butyl ether (ETBE)	5.000	4.361	12.8	100	0.00
21 TMP 2,2-Dichloropropane	5.000	4.412	11.8	100	0.00
22 TMP cis-1,2-Dichloroethene	5.000	4.193	16.1	100	0.00
23 TMP Chloroform	5.000	4.344	13.1	100	0.00
24 TMP 2-Butanone (MEK)	25.000	20.747	17.0	100	0.00
25 TMP t-Amyl methyl ether (TAME)	5.000	4.283	14.3	100	0.00
26 TMP 1,2-Dichloroethane (EDC)	5.000	4.271	14.6	100	0.00
27 TMP 1,1,1-Trichloroethane	5.000	4.250	15.0	100	0.00
28 TMP 1,1-Dichloropropene	5.000	4.260	14.8	100	0.00
29 TMP Carbon tetrachloride	5.000	4.125	17.5	100	0.00
30 S 1,2-Dichloroethane-d4	10.000	10.123	-1.2	100	0.00
31 TMP Benzene	5.000	4.180	16.4	100	0.00
32 TMP Trichloroethene	5.000	4.112	17.8	100	0.00
33 TMP 1,2-Dichloropropane	5.000	4.304	13.9	100	0.00
34 TMP Bromodichloromethane	5.000	4.036	19.3	100	0.00
35 S Toluene-d8	10.000	9.903	1.0	100	0.00
36 TMP Dibromomethane	5.000	4.245	15.1	100	0.00
37 TMP 4-Methyl-2-pentanone	25.000	21.006	16.0	100	0.00
38 TMP cis-1,3-Dichloropropene	5.000	4.279	14.4	100	0.00
39 I Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40 TMP Toluene	5.000	4.180	16.4	100	0.00
41 TMP trans-1,3-Dichloropropene	5.000	4.250	15.0	100	0.00
42 TMP 1,1,2-Trichloroethane	5.000	4.306	13.9	100	0.00
43 TMP 2-Hexanone	25.000	21.563	13.7	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110812.D
 Acq On : 8 Nov 2022 1:42 pm
 Operator : LM
 Sample : 5 ppb 8260 ICAL 67-177M
 Misc : soil/water
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:37 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	5.000	4.188	16.2	100	0.00
45 TMP Tetrachloroethene	5.000	4.287	14.3	100	0.00
46 TMP Dibromochloromethane	5.000	4.197	16.1	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	5.000	4.199	16.0	100	0.00
48 TMP Chlorobenzene	5.000	4.210	15.8	100	0.00
49 TMP Ethylbenzene	5.000	4.206	15.9	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	5.000	4.105	17.9	100	0.00
51 TMP m,p-Xylene	10.000	8.398	16.0	100	0.00
52 TMP o-Xylene	5.000	4.173	16.5	100	0.00
53 TMP Styrene	5.000	4.318	13.6	100	0.00
54 TMP Isopropylbenzene	5.000	4.207	15.9	100	0.00
55 TMP Bromoform	5.000	4.414	11.7	100	0.00
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	10.000	10.048	-0.5	100	0.00
58 TMP n-Propylbenzene	5.000	4.155	16.9	100	0.00
59 TMP Bromobenzene	5.000	4.335	13.3	100	0.00
60 TMP 1,3,5-Trimethylbenzene	5.000	4.208	15.8	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	5.000	4.319	13.6	100	0.00
62 TMP 1,2,3-Trichloropropane	5.000	4.322	13.6	100	0.00
63 TMP 2-Chlorotoluene	5.000	4.314	13.7	100	0.00
64 TMP 4-Chlorotoluene	5.000	4.201	16.0	100	0.00
65 TMP tert-Butylbenzene	5.000	4.235	15.3	100	0.00
66 TMP 1,2,4-Trimethylbenzene	5.000	4.194	16.1	100	0.00
67 TMP sec-Butylbenzene	5.000	4.216	15.7	100	0.00
68 TMP p-Isopropyltoluene	5.000	4.158	16.8	100	0.00
69 TMP 1,3-Dichlorobenzene	5.000	4.230	15.4	100	0.00
70 TMP 1,4-Dichlorobenzene	5.000	4.241	15.2	100	0.00
71 TMP 1,2-Dichlorobenzene	5.000	4.167	16.7	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	5.000	4.171	16.6	100	0.00
73 TMP 1,2,4-Trichlorobenzene	5.000	4.272	14.6	100	0.00
74 TMP Hexachlorobutadiene	5.000	4.521	9.6	100	0.00
75 TMP Naphthalene	5.000	4.289	14.2	100	0.00
76 TMP 1,2,3-Trichlorobenzene	5.000	4.265	14.7	100	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110812.D
 Acq On : 8 Nov 2022 1:42 pm
 Operator : LM
 Sample : 5 ppb 8260 ICAL 67-177M
 Misc : soil/water
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:37 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2 TMP	Ethanol	0.000	0.000#	0.0	100	0.00
3 S	Dibromofluoromethane	0.275	0.271	1.5	100	0.00
4 TMP	Dichlorodifluoromethane	0.410	0.372	9.3	100	0.00
5 TMP	Chloromethane	0.380	0.341	10.3	100	0.00
6 TMP	Vinyl chloride	0.360	0.328	8.9	100	0.00
7 TMP	Bromomethane	0.168	0.143	14.9	100	0.00
8 TMP	Chloroethane	0.189	0.168	11.1	100	0.00
9 TMP	Trichlorofluoromethane	0.562	0.486	13.5	100	0.00
10 TMP	2-Propanol	0.000	0.000	0.0	0#	0.00
11 TMP	Acetone	0.037	0.028	24.3#	100	0.00
12 TMP	1,1-Dichloroethene	0.333	0.281	15.6	100	0.00
13 TMP	Hexane	0.348	0.306	12.1	100	0.00
14 TMP	Methylene chloride	0.369	0.375	-1.6	100	0.00
15 TMP	t-Butyl alcohol (TBA)	0.051	0.045	11.8	100	0.00
16 TMP	Methyl t-butyl ether (MTBE)	0.971	0.851	12.4	100	0.00
17 TMP	trans-1,2-Dichloroethene	0.353	0.299	15.3	100	0.00
18 TMP	Diisopropyl ether (DIPE)	0.889	0.753	15.3	100	0.00
19 TMP	1,1-Dichloroethane	0.536	0.461	14.0	100	0.00
20 TMP	Ethyl t-butyl ether (ETBE)	0.425	0.371	12.7	100	0.00
21 TMP	2,2-Dichloropropane	0.352	0.312	11.4	100	0.00
22 TMP	cis-1,2-Dichloroethene	0.382	0.320	16.2	100	0.00
23 TMP	Chloroform	0.583	0.505	13.4	100	0.00
24 TMP	2-Butanone (MEK)	0.186	0.154	17.2	100	0.00
25 TMP	t-Amyl methyl ether (TAME)	0.964	0.825	14.4	100	0.00
26 TMP	1,2-Dichloroethane (EDC)	0.438	0.374	14.6	100	0.00
27 TMP	1,1,1-Trichloroethane	0.532	0.453	14.8	100	0.00
28 TMP	1,1-Dichloropropene	0.448	0.382	14.7	100	0.00
29 TMP	Carbon tetrachloride	0.479	0.395	17.5	100	0.00
30 S	1,2-Dichloroethane-d4	0.063	0.064	-1.6	100	0.00
31 TMP	Benzene	1.286	1.075	16.4	100	0.00
32 TMP	Trichloroethene	0.373	0.307	17.7	100	0.00
33 TMP	1,2-Dichloropropane	0.284	0.245	13.7	100	0.00
34 TMP	Bromodichloromethane	0.432	0.348	19.4	100	0.00
35 S	Toluene-d8	1.002	0.992	1.0	100	0.00
36 TMP	Dibromomethane	0.216	0.183	15.3	100	0.00
37 TMP	4-Methyl-2-pentanone	0.077	0.065	15.6	100	0.00
38 TMP	cis-1,3-Dichloropropene	0.504	0.431	14.5	100	0.00
39 I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40 TMP	Toluene	0.968	0.809	16.4	100	0.00
41 TMP	trans-1,3-Dichloropropene	0.553	0.470	15.0	100	0.00
42 TMP	1,1,2-Trichloroethane	0.293	0.252	14.0	100	0.00
43 TMP	2-Hexanone	0.320	0.276	13.7	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110812.D
 Acq On : 8 Nov 2022 1:42 pm
 Operator : LM
 Sample : 5 ppb 8260 ICAL 67-177M
 Misc : soil/water
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:37 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.560	0.469	16.3	100	0.00
45 TMP Tetrachloroethene	0.431	0.369	14.4	100	0.00
46 TMP Dibromochloromethane	0.429	0.351	18.2	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	0.398	0.334	16.1	100	0.00
48 TMP Chlorobenzene	1.148	0.967	15.8	100	0.00
49 TMP Ethylbenzene	1.845	1.552	15.9	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.426	0.349	18.1	100	0.00
51 TMP m,p-Xylene	0.746	0.626	16.1	100	0.00
52 TMP o-Xylene	0.741	0.619	16.5	100	0.00
53 TMP Styrene	1.258	1.086	13.7	100	0.00
54 TMP Isopropylbenzene	1.878	1.580	15.9	100	0.00
55 TMP Bromoform	0.362	0.299	17.4	100	0.00
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	0.701	0.705	-0.6	100	0.00
58 TMP n-Propylbenzene	3.165	2.630	16.9	100	0.00
59 TMP Bromobenzene	0.916	0.794	13.3	100	0.00
60 TMP 1,3,5-Trimethylbenzene	2.336	1.966	15.8	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.806	0.696	13.6	100	0.00
62 TMP 1,2,3-Trichloropropane	0.610	0.528	13.4	100	0.00
63 TMP 2-Chlorotoluene	1.890	1.630	13.8	100	0.00
64 TMP 4-Chlorotoluene	2.253	1.893	16.0	100	0.00
65 TMP tert-Butylbenzene	2.062	1.747	15.3	100	0.00
66 TMP 1,2,4-Trimethylbenzene	2.433	2.041	16.1	100	0.00
67 TMP sec-Butylbenzene	2.769	2.335	15.7	100	0.00
68 TMP p-Isopropyltoluene	2.526	2.100	16.9	100	0.00
69 TMP 1,3-Dichlorobenzene	1.624	1.374	15.4	100	0.00
70 TMP 1,4-Dichlorobenzene	1.675	1.421	15.2	100	0.00
71 TMP 1,2-Dichlorobenzene	1.595	1.329	16.7	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	0.167	0.139	16.8	100	0.00
73 TMP 1,2,4-Trichlorobenzene	1.200	1.026	14.5	100	0.00
74 TMP Hexachlorobutadiene	0.463	0.418	9.7	100	0.00
75 TMP Naphthalene	2.957	2.536	14.2	100	0.00
76 TMP 1,2,3-Trichlorobenzene	1.136	0.969	14.7	100	0.00

(#) = Out of Range

SPCC's out = 1 CCC's out = 0

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110812.D
 Acq On : 8 Nov 2022 1:42 pm
 Operator : LM
 Sample : 5 ppb 8260 ICAL 67-177M
 Misc : soil/water
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:37 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	4.78	96	89475	10.000	ppb	0.00
39) Chlorobenzene-d5	7.43	117	75227	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.65	152	49685	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.21	113	24204	9.840	ppb	0.00
Spiked Amount	10.000	Range	0 - 1000	Recovery	=	98.40%
30) 1,2-Dichloroethane-d4	4.49	102	5751	10.123	ppb	0.00
Spiked Amount	10.000	Range	90 - 109	Recovery	=	101.20%
35) Toluene-d8	6.14	98	88763	9.903	ppb	0.00
Spiked Amount	10.000	Range	89 - 112	Recovery	=	99.00%
57) 4-Bromofluorobenzene	8.54	95	35011	10.048	ppb	0.00
Spiked Amount	10.000	Range	84 - 115	Recovery	=	100.50%
Target Compounds						
2) Ethanol	1.07	45	4011	No Calib		Qvalue
4) Dichlorodifluoromethane	1.18	85	16657	4.545	ppb	100
5) Chloromethane	1.32	50	15238	4.484	ppb	97
6) Vinyl chloride	1.40	62	14685	4.555	ppb	95
7) Bromomethane	1.63	94	6395	4.266	ppb	94
8) Chloroethane	1.70	64	7504	4.439	ppb	96
9) Trichlorofluoromethane	1.89	101	21736	4.325	ppb	96
10) 2-Propanol	2.98	45	2008	No Calib		
11) Acetone	2.38	58	6221	22.627	ppb	94
12) 1,1-Dichloroethene	2.32	96	12558	4.210	ppb	# 80
13) Hexane	3.21	57	13709	4.396	ppb	94
14) Methylene chloride	2.73	84	16785	4.385	ppb	86
15) t-Butyl alcohol (TBA)	2.87	59	10029	21.877	ppb	84
16) Methyl t-butyl ether (...)	2.99	73	38093	4.383	ppb	98
17) trans-1,2-Dichloroethene	2.97	96	13385	4.239	ppb	84
18) Diisopropyl ether (DIPE)	3.40	45	33689	4.237	ppb	91
19) 1,1-Dichloroethane	3.32	63	20612	4.300	ppb	97
20) Ethyl t-butyl ether (E...)	3.70	87	16582	4.361	ppb	# 78
21) 2,2-Dichloropropane	3.81	77	13949	4.412	ppb	97
22) cis-1,2-Dichloroethene	3.81	96	14332	4.193	ppb	# 81
23) Chloroform	4.08	83	22601	4.344	ppb	95
24) 2-Butanone (MEK)	3.83	43	34547	20.747	ppb	98
25) t-Amyl methyl ether (T...)	4.65	73	36930	4.283	ppb	98
26) 1,2-Dichloroethane (EDC)	4.56	62	16745	4.271	ppb	88
27) 1,1,1-Trichloroethane	4.23	97	20245	4.250	ppb	93
28) 1,1-Dichloropropene	4.37	75	17079	4.260	ppb	92
29) Carbon tetrachloride	4.37	117	17688	4.125	ppb	95
31) Benzene	4.54	78	48080	4.180	ppb	96
32) Trichloroethene	5.09	95	13720	4.112	ppb	83
33) 1,2-Dichloropropane	5.28	63	10952	4.304	ppb	94
34) Bromodichloromethane	5.51	83	15589	4.036	ppb	95
36) Dibromomethane	5.37	93	8194	4.245	ppb	# 80

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110812.D
 Acq On : 8 Nov 2022 1:42 pm
 Operator : LM
 Sample : 5 ppb 8260 ICAL 67-177M
 Misc : soil/water
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS4

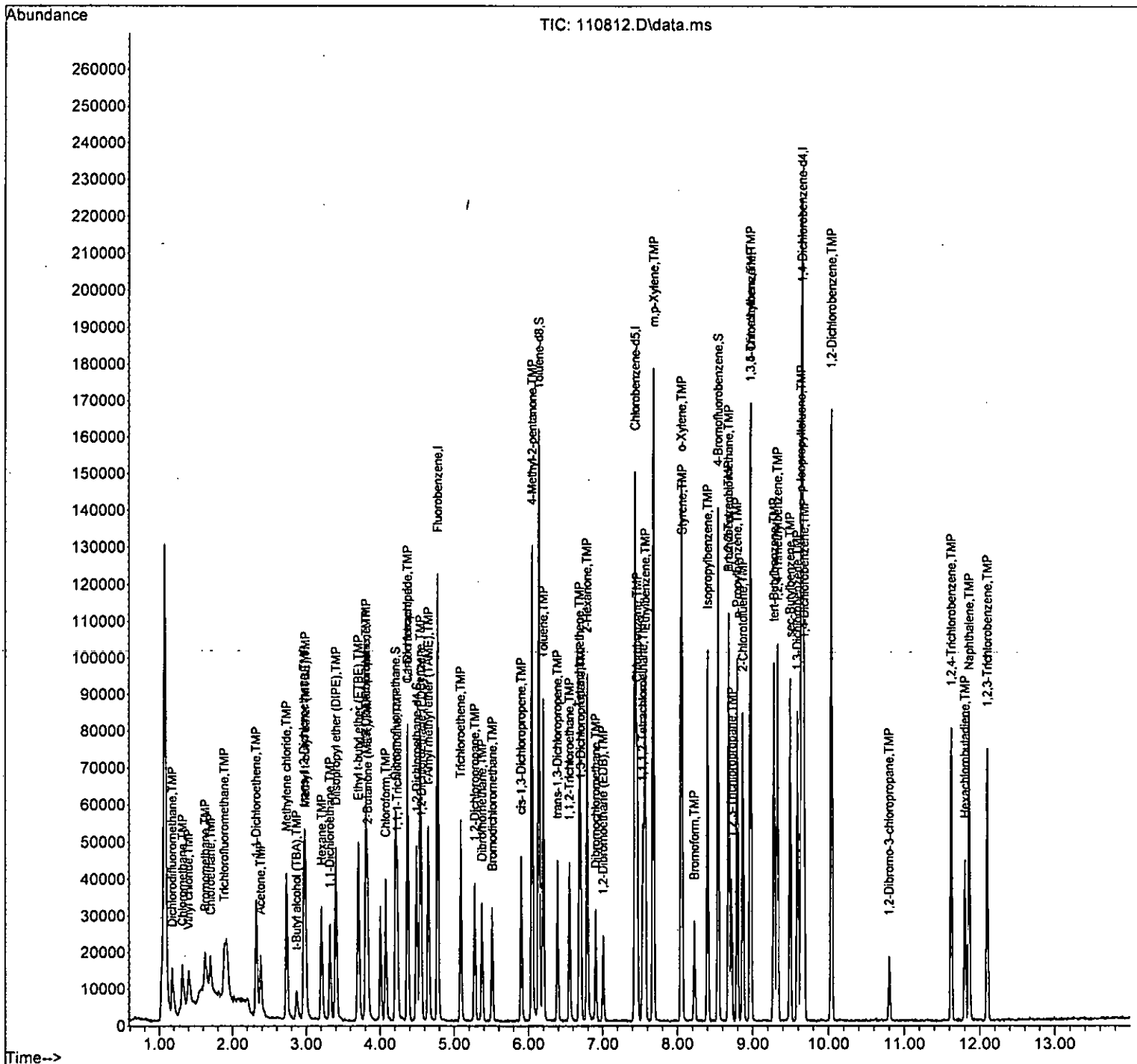
Quant Time: Nov 08 16:47:37 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	6.05	85	14452	21.006	ppb	# 75
38) cis-1,3-Dichloropropene	5.90	75	19303	4.279	ppb	92
40) Toluene	6.20	92	30432	4.180	ppb	99
41) trans-1,3-Dichloropropene	6.39	75	17675	4.250	ppb	93
42) 1,1,2-Trichloroethane	6.55	83	9494	4.306	ppb	95
43) 2-Hexanone	6.79	43	51977	21.563	ppb	97
44) 1,3-Dichloropropane	6.70	76	17651	4.188	ppb	96
45) Tetrachloroethene	6.69	164	13894	4.287	ppb	96
46) Dibromochloromethane	6.91	129	13195	4.197	ppb	99
47) 1,2-Dibromoethane (EDB)	7.00	107	12577	4.199	ppb	94
48) Chlorobenzene	7.46	112	36358	4.210	ppb	90
49) Ethylbenzene	7.57	91	58382	4.206	ppb	97
50) 1,1,1,2-Tetrachloroethane	7.54	131	13142	4.105	ppb	94
51) m,p-Xylene	7.68	106	47127	8.398	ppb	90
52) o-Xylene	8.05	106	23267	4.173	ppb	# 80
53) Styrene	8.06	104	40867	4.318	ppb	86
54) Isopropylbenzene	8.40	105	59440	4.207	ppb	93
55) Bromoform	8.22	173	11253	4.414	ppb	99
58) n-Propylbenzene	8.79	91	65339	4.155	ppb	92
59) Bromobenzene	8.68	156	19726	4.335	ppb	# 79
60) 1,3,5-Trimethylbenzene	8.97	105	48841	4.208	ppb	86
61) 1,1,2,2-Tetrachloroethane	8.68	83	17296	4.319	ppb	96
62) 1,2,3-Trichloropropane	8.72	75	13108	4.322	ppb	100
63) 2-Chlorotoluene	8.87	91	40504	4.314	ppb	90
64) 4-Chlorotoluene	8.97	91	47025	4.201	ppb	87
65) tert-Butylbenzene	9.28	119	43398	4.235	ppb	84
66) 1,2,4-Trimethylbenzene	9.33	105	50700	4.194	ppb	93
67) sec-Butylbenzene	9.49	105	58002	4.216	ppb	94
68) p-Isopropyltoluene	9.64	119	52174	4.158	ppb	92
69) 1,3-Dichlorobenzene	9.59	146	34132	4.230	ppb	97
70) 1,4-Dichlorobenzene	9.68	146	35305	4.241	ppb	95
71) 1,2-Dichlorobenzene	10.04	146	33023	4.167	ppb	94
72) 1,2-Dibromo-3-chloropr...	10.80	75	3463	4.171	ppb	# 66
73) 1,2,4-Trichlorobenzene	11.62	180	25476	4.272	ppb	96
74) Hexachlorobutadiene	11.81	225	10392	4.521	ppb	99
75) Naphthalene	11.86	128	63005	4.289	ppb	98
76) 1,2,3-Trichlorobenzene	12.10	180	24074	4.265	ppb	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110812.D
 Acq On : 8 Nov 2022 1:42 pm
 Operator : LM
 Sample : 5 ppb 8260 ICAL 67-177M
 Misc : soil/water
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:37 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110813.D
 Acq On : 8 Nov 2022 2:06 pm
 Operator : LM
 Sample : 10 ppb 8260 ICAL 67-177N
 Misc : soil/water
 ALS Vial : 11 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:39 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I Fluorobenzene	10.000	10.000	0.0	100	0.00
2 TMP Ethanol	-1.000	0.000	0.0	100	0.00
3 S Dibromofluoromethane	10.000	10.244	-2.4	100	0.00
4 TMP Dichlorodifluoromethane	10.000	10.917	-9.2	100	0.00
5 TMP Chloromethane	10.000	10.568	-5.7	100	0.00
6 TMP Vinyl chloride	10.000	10.876	-8.8	100	0.00
7 TMP Bromomethane	10.000	10.393	-3.9	100	0.00
8 TMP Chloroethane	10.000	10.105	-1.1	100	0.00
9 TMP Trichlorofluoromethane	10.000	10.225	-2.2	100	0.00
10 TMP 2-Propanol	-1.000	0.000	0.0	0	0.00
11 TMP Acetone	50.000	62.187	-24.4#	100	0.00
12 TMP 1,1-Dichloroethene	10.000	9.740	2.6	100	0.00
13 TMP Hexane	10.000	9.810	1.9	100	0.00
14 TMP Methylene chloride	10.000	10.387	-3.9	100	0.00
15 TMP t-Butyl alcohol (TBA)	50.000	50.639	-1.3	100	0.00
16 TMP Methyl t-butyl ether (MTBE)	10.000	10.190	-1.9	100	0.00
17 TMP trans-1,2-Dichloroethene	10.000	9.834	1.7	100	0.00
18 TMP Diisopropyl ether (DIPE)	10.000	9.819	1.8	100	0.00
19 TMP 1,1-Dichloroethane	10.000	9.982	0.2	100	0.00
20 TMP Ethyl t-butyl ether (ETBE)	10.000	10.119	-1.2	100	0.00
21 TMP 2,2-Dichloropropane	10.000	10.365	-3.7	100	0.00
22 TMP cis-1,2-Dichloroethene	10.000	9.679	3.2	100	0.00
23 TMP Chloroform	10.000	10.137	-1.4	100	0.00
24 TMP 2-Butanone (MEK)	50.000	46.516	7.0	100	0.00
25 TMP t-Amyl methyl ether (TAME)	10.000	10.117	-1.2	100	0.00
26 TMP 1,2-Dichloroethane (EDC)	10.000	9.898	1.0	100	0.00
27 TMP 1,1,1-Trichloroethane	10.000	9.992	0.1	100	0.00
28 TMP 1,1-Dichloropropene	10.000	9.771	2.3	100	0.00
29 TMP Carbon tetrachloride	10.000	9.838	1.6	100	0.00
30 S 1,2-Dichloroethane-d4	10.000	10.078	-0.8	100	0.00
31 TMP Benzene	10.000	9.786	2.1	100	0.00
32 TMP Trichloroethene	10.000	9.563	4.4	100	0.00
33 TMP 1,2-Dichloropropane	10.000	10.157	-1.6	100	0.00
34 TMP Bromodichloromethane	10.000	9.710	2.9	100	0.00
35 S Toluene-d8	10.000	10.073	-0.7	100	0.00
36 TMP Dibromomethane	10.000	10.126	-1.3	100	0.00
37 TMP 4-Methyl-2-pentanone	50.000	48.997	2.0	100	0.00
38 TMP cis-1,3-Dichloropropene	10.000	9.965	0.4	100	0.00
39 I Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40 TMP Toluene	10.000	9.729	2.7	100	0.00
41 TMP trans-1,3-Dichloropropene	10.000	9.881	1.2	100	0.00
42 TMP 1,1,2-Trichloroethane	10.000	9.782	2.2	100	0.00
43 TMP 2-Hexanone	50.000	49.416	1.2	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110813.D
 Acq On : 8 Nov 2022 2:06 pm
 Operator : LM
 Sample : 10 ppb 8260 ICAL 67-177N
 Misc : soil/water
 ALS Vial : 11 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:39 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	10.000	9.873	1.3	100	0.00
45 TMP Tetrachloroethene	10.000	9.733	2.7	100	0.00
46 TMP Dibromochloromethane	10.000	10.084	-0.8	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	10.000	9.981	0.2	100	0.00
48 TMP Chlorobenzene	10.000	9.963	0.4	100	0.00
49 TMP Ethylbenzene	10.000	9.813	1.9	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	10.000	10.002	-0.0	100	0.00
51 TMP m,p-Xylene	20.000	19.591	2.0	100	0.00
52 TMP o-Xylene	10.000	9.819	1.8	100	0.00
53 TMP Styrene	10.000	10.046	-0.5	100	0.00
54 TMP Isopropylbenzene	10.000	9.843	1.6	100	0.00
55 TMP Bromoform	10.000	10.514	-5.1	100	0.00
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	10.000	10.006	-0.1	100	0.00
58 TMP n-Propylbenzene	10.000	9.765	2.3	100	0.00
59 TMP Bromobenzene	10.000	10.060	-0.6	100	0.00
60 TMP 1,3,5-Trimethylbenzene	10.000	9.726	2.7	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	10.000	10.067	-0.7	100	0.00
62 TMP 1,2,3-Trichloropropane	10.000	10.197	-2.0	100	0.00
63 TMP 2-Chlorotoluene	10.000	9.813	1.9	100	0.00
64 TMP 4-Chlorotoluene	10.000	9.793	2.1	100	0.00
65 TMP tert-Butylbenzene	10.000	9.865	1.3	100	0.00
66 TMP 1,2,4-Trimethylbenzene	10.000	9.698	3.0	100	0.00
67 TMP sec-Butylbenzene	10.000	9.778	2.2	100	0.00
68 TMP p-Isopropyltoluene	10.000	9.727	2.7	100	0.00
69 TMP 1,3-Dichlorobenzene	10.000	9.944	0.6	100	0.00
70 TMP 1,4-Dichlorobenzene	10.000	9.824	1.8	100	0.00
71 TMP 1,2-Dichlorobenzene	10.000	9.861	1.4	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	10.000	10.119	-1.2	100	0.00
73 TMP 1,2,4-Trichlorobenzene	10.000	9.826	1.7	100	0.00
74 TMP Hexachlorobutadiene	10.000	9.518	4.8	100	0.00
75 TMP Naphthalene	10.000	10.019	-0.2	100	0.00
76 TMP 1,2,3-Trichlorobenzene	10.000	10.024	-0.2	100	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110813.D
 Acq On : 8 Nov 2022 2:06 pm
 Operator : LM
 Sample : 10 ppb 8260 ICAL 67-177N
 Misc : soil/water
 ALS Vial : 11 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:39 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I Fluorobenzene	1.000	1.000	0.0	100	0.00
2 TMP Ethanol	0.000	0.000#	0.0	100	0.00
3 S Dibromofluoromethane	0.275	0.282	-2.5	100	0.00
4 TMP Dichlorodifluoromethane	0.410	0.447	-9.0	100	0.00
5 TMP Chloromethane	0.380	0.401	-5.5	100	0.00
6 TMP Vinyl chloride	0.360	0.392	-8.9	100	0.00
7 TMP Bromomethane	0.168	0.174	-3.6	100	0.00
8 TMP Chloroethane	0.189	0.191	-1.1	100	0.00
9 TMP Trichlorofluoromethane	0.562	0.574	-2.1	100	0.00
10 TMP 2-Propanol	0.000	0.000	0.0	0#	0.00
11 TMP Acetone	0.037	0.033	10.8	100	0.00
12 TMP 1,1-Dichloroethene	0.333	0.325	2.4	100	0.00
13 TMP Hexane	0.348	0.342	1.7	100	0.00
14 TMP Methylene chloride	0.369	0.375	-1.6	100	0.00
15 TMP t-Butyl alcohol (TBA)	0.051	0.052	-2.0	100	0.00
16 TMP Methyl t-butyl ether (MTBE)	0.971	0.990	-2.0	100	0.00
17 TMP trans-1,2-Dichloroethene	0.353	0.347	1.7	100	0.00
18 TMP Diisopropyl ether (DIPE)	0.889	0.872	1.9	100	0.00
19 TMP 1,1-Dichloroethane	0.536	0.535	0.2	100	0.00
20 TMP Ethyl t-butyl ether (ETBE)	0.425	0.430	-1.2	100	0.00
21 TMP 2,2-Dichloropropane	0.352	0.358	-1.7	100	0.00
22 TMP cis-1,2-Dichloroethene	0.382	0.370	3.1	100	0.00
23 TMP Chloroform	0.583	0.589	-1.0	100	0.00
24 TMP 2-Butanone (MEK)	0.186	0.173	7.0	100	0.00
25 TMP t-Amyl methyl ether (TAME)	0.964	0.975	-1.1	100	0.00
26 TMP 1,2-Dichloroethane (EDC)	0.438	0.434	0.9	100	0.00
27 TMP 1,1,1-Trichloroethane	0.532	0.532	0.0	100	0.00
28 TMP 1,1-Dichloropropene	0.448	0.438	2.2	100	0.00
29 TMP Carbon tetrachloride	0.479	0.471	1.7	100	0.00
30 S 1,2-Dichloroethane-d4	0.063	0.064	-1.6	100	0.00
31 TMP Benzene	1.286	1.258	2.2	100	0.00
32 TMP Trichloroethene	0.373	0.357	4.3	100	0.00
33 TMP 1,2-Dichloropropane	0.284	0.289	-1.8	100	0.00
34 TMP Bromodichloromethane	0.432	0.419	3.0	100	0.00
35 S Toluene-d8	1.002	1.009	-0.7	100	0.00
36 TMP Dibromomethane	0.216	0.218	-0.9	100	0.00
37 TMP 4-Methyl-2-pentanone	0.077	0.075	2.6	100	0.00
38 TMP cis-1,3-Dichloropropene	0.504	0.502	0.4	100	0.00
39 I Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40 TMP Toluene	0.968	0.942	2.7	100	0.00
41 TMP trans-1,3-Dichloropropene	0.553	0.546	1.3	100	0.00
42 TMP 1,1,2-Trichloroethane	0.293	0.287	2.0	100	0.00
43 TMP 2-Hexanone	0.320	0.317	0.9	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110813.D
 Acq On : 8 Nov 2022 2:06 pm
 Operator : LM
 Sample : 10 ppb 8260 ICAL 67-177N
 Misc : soil/water
 ALS Vial : 11 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:39 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.560	0.553	1.3	100	0.00
45 TMP Tetrachloroethene	0.431	0.419	2.8	100	0.00
46 TMP Dibromochloromethane	0.429	0.425	0.9	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	0.398	0.397	0.3	100	0.00
48 TMP Chlorobenzene	1.148	1.144	0.3	100	0.00
49 TMP Ethylbenzene	1.845	1.811	1.8	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.426	0.426	0.0	100	0.00
51 TMP m,p-Xylene	0.746	0.731	2.0	100	0.00
52 TMP o-Xylene	0.741	0.728	1.8	100	0.00
53 TMP Styrene	1.258	1.264	-0.5	100	0.00
54 TMP Isopropylbenzene	1.878	1.849	1.5	100	0.00
55 TMP Bromoform	0.362	0.360	0.6	100	0.00
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	0.701	0.702	-0.1	100	0.00
58 TMP n-Propylbenzene	3.165	3.091	2.3	100	0.00
59 TMP Bromobenzene	0.916	0.921	-0.5	100	0.00
60 TMP 1,3,5-Trimethylbenzene	2.336	2.272	2.7	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.806	0.812	-0.7	100	0.00
62 TMP 1,2,3-Trichloropropane	0.610	0.622	-2.0	100	0.00
63 TMP 2-Chlorotoluene	1.890	1.854	1.9	100	0.00
64 TMP 4-Chlorotoluene	2.253	2.206	2.1	100	0.00
65 TMP tert-Butylbenzene	2.062	2.035	1.3	100	0.00
66 TMP 1,2,4-Trimethylbenzene	2.433	2.360	3.0	100	0.00
67 TMP sec-Butylbenzene	2.769	2.707	2.2	100	0.00
68 TMP p-Isopropyltoluene	2.526	2.457	2.7	100	0.00
69 TMP 1,3-Dichlorobenzene	1.624	1.615	0.6	100	0.00
70 TMP 1,4-Dichlorobenzene	1.675	1.646	1.7	100	0.00
71 TMP 1,2-Dichlorobenzene	1.595	1.573	1.4	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	0.167	0.169	-1.2	100	0.00
73 TMP 1,2,4-Trichlorobenzene	1.200	1.179	1.7	100	0.00
74 TMP Hexachlorobutadiene	0.463	0.440	5.0	100	0.00
75 TMP Naphthalene	2.957	2.962	-0.2	100	0.00
76 TMP 1,2,3-Trichlorobenzene	1.136	1.139	-0.3	100	0.00

(#) = Out of Range

SPCC's out = 1 CCC's out = 0

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110813.D
 Acq On : 8 Nov 2022 2:06 pm
 Operator : LM
 Sample : 10 ppb 8260 ICAL 67-177N
 Misc : soil/water
 ALS Vial : 11 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:39 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	4.78	96	86139	10.000	ppb	0.00
39) Chlorobenzene-d5	7.43	117	72870	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.65	152	48476	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.21	113	24257	10.244	ppb	0.00
Spiked Amount	10.000	Range	0 - 1000	Recovery	=	102.40%
30) 1,2-Dichloroethane-d4	4.49	102	5512	10.078	ppb	0.00
Spiked Amount	10.000	Range	90 - 109	Recovery	=	100.80%
35) Toluene-d8	6.14	98	86923	10.073	ppb	0.00
Spiked Amount	10.000	Range	89 - 112	Recovery	=	100.70%
57) 4-Bromofluorobenzene	8.54	95	34015	10.006	ppb	0.00
Spiked Amount	10.000	Range	84 - 115	Recovery	=	100.10%
Target Compounds						
						Qvalue
2) Ethanol	1.07	45	3675	No Calib		
4) Dichlorodifluoromethane	1.17	85	38520	10.917	ppb	93
5) Chloromethane	1.31	50	34573	10.568	ppb	98
6) Vinyl chloride	1.40	62	33754	10.876	ppb	99
7) Bromomethane	1.62	94	14997	10.393	ppb	96
8) Chloroethane	1.70	64	16446	10.105	ppb	96
9) Trichlorofluoromethane	1.89	101	49471	10.225	ppb	97
10) 2-Propanol	2.99	45	4187	No Calib		
11) Acetone	2.38	58	14269	62.187	ppb	# 85
12) 1,1-Dichloroethene	2.32	96	27970	9.740	ppb	# 80
13) Hexane	3.21	57	29450	9.810	ppb	95
14) Methylene chloride	2.73	84	32340	10.387	ppb	87
15) t-Butyl alcohol (TBA)	2.87	59	22349	50.639	ppb	91
16) Methyl t-butyl ether (...)	2.99	73	85266	10.190	ppb	98
17) trans-1,2-Dichloroethene	2.97	96	29891	9.834	ppb	82
18) Diisopropyl ether (DIPE)	3.40	45	75154	9.819	ppb	92
19) 1,1-Dichloroethane	3.32	63	46066	9.982	ppb	98
20) Ethyl t-butyl ether (E...)	3.70	87	37042	10.119	ppb	84
21) 2,2-Dichloropropane	3.81	77	30831	10.365	ppb	98
22) cis-1,2-Dichloroethene	3.81	96	31848	9.679	ppb	83
23) Chloroform	4.08	83	50696	10.137	ppb	98
24) 2-Butanone (MEK)	3.83	43	74567	46.516	ppb	93
25) t-Amyl methyl ether (T...)	4.65	73	83979	10.117	ppb	99
26) 1,2-Dichloroethane (EDC)	4.55	62	37360	9.898	ppb	96
27) 1,1,1-Trichloroethane	4.23	97	45822	9.992	ppb	94
28) 1,1-Dichloropropene	4.37	75	37718	9.771	ppb	89
29) Carbon tetrachloride	4.37	117	40614	9.838	ppb	93
31) Benzene	4.54	78	108371	9.786	ppb	95
32) Trichloroethene	5.09	95	30717	9.563	ppb	79
33) 1,2-Dichloropropane	5.28	63	24884	10.157	ppb	92
34) Bromodichloromethane	5.51	83	36106	9.710	ppb	97
36) Dibromomethane	5.37	93	18816	10.126	ppb	84

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110813.D
 Acq On : 8 Nov 2022 2:06 pm
 Operator : LM
 Sample : 10 ppb 8260 ICAL 67-177N
 Misc : soil/water
 ALS Vial : 11 Sample Multiplier: 1
 InstName : GCMS4

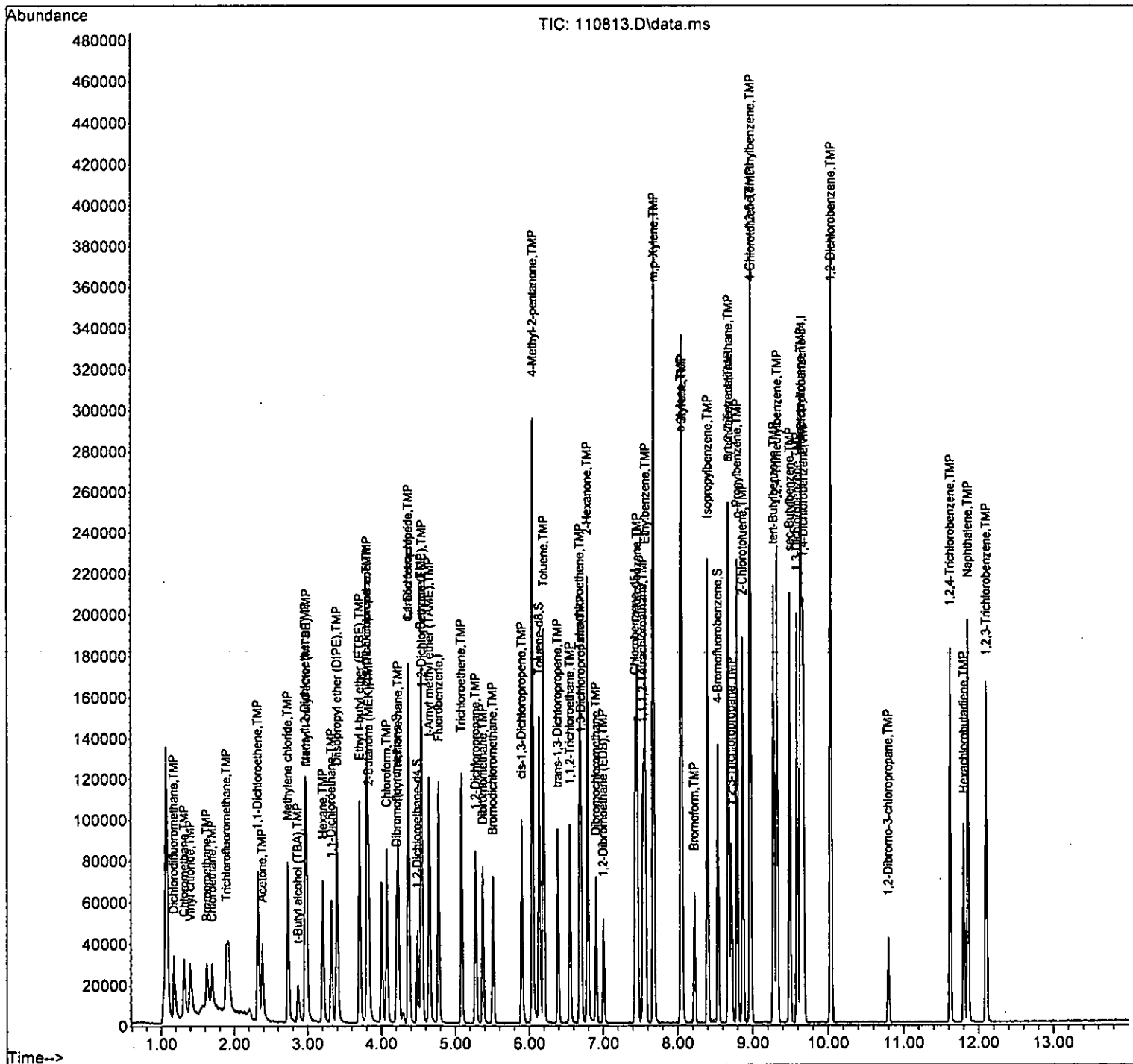
Quant Time: Nov 08 16:47:39 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	6.05	85	32453	48.997	ppb #	76
38) cis-1,3-Dichloropropene	5.90	75	43280	9.965	ppb	94
40) Toluene	6.20	92	68608	9.729	ppb	97
41) trans-1,3-Dichloropropene	6.39	75	39809	9.881	ppb	96
42) 1,1,2-Trichloroethane	6.56	83	20892	9.782	ppb	90
43) 2-Hexanone	6.79	43	115386	49.416	ppb	97
44) 1,3-Dichloropropane	6.70	76	40305	9.873	ppb	98
45) Tetrachloroethene	6.69	164	30558	9.733	ppb	98
46) Dibromochloromethane	6.91	129	30998	10.084	ppb	98
47) 1,2-Dibromoethane (EDB)	7.00	107	28961	9.981	ppb	93
48) Chlorobenzene	7.46	112	83349	9.963	ppb	87
49) Ethylbenzene	7.57	91	131940	9.813	ppb	92
50) 1,1,1,2-Tetrachloroethane	7.54	131	31017	10.002	ppb	96
51) m,p-Xylene	7.68	106	106488	19.591	ppb	86
52) o-Xylene	8.05	106	53035	9.819	ppb	87
53) Styrene	8.06	104	92093	10.046	ppb	86
54) Isopropylbenzene	8.40	105	134703	9.843	ppb	94
55) Bromoform	8.22	173	26242	10.514	ppb	98
58) n-Propylbenzene	8.79	91	149824	9.765	ppb	92
59) Bromobenzene	8.68	156	44663	10.060	ppb #	81
60) 1,3,5-Trimethylbenzene	8.97	105	110148	9.726	ppb	84
61) 1,1,2,2-Tetrachloroethane	8.68	83	39339	10.067	ppb	99
62) 1,2,3-Trichloropropane	8.72	75	30176	10.197	ppb	98
63) 2-Chlorotoluene	8.87	91	89886	9.813	ppb	88
64) 4-Chlorotoluene	8.97	91	106962	9.793	ppb	88
65) tert-Butylbenzene	9.28	119	98631	9.865	ppb	84
66) 1,2,4-Trimethylbenzene	9.33	105	114387	9.698	ppb	89
67) sec-Butylbenzene	9.49	105	131242	9.778	ppb	91
68) p-Isopropyltoluene	9.64	119	119083	9.727	ppb	92
69) 1,3-Dichlorobenzene	9.59	146	78288	9.944	ppb	96
70) 1,4-Dichlorobenzene	9.68	146	79781	9.824	ppb	96
71) 1,2-Dichlorobenzene	10.04	146	76245	9.861	ppb	94
72) 1,2-Dibromo-3-chloropr...	10.80	75	8198	10.119	ppb #	72
73) 1,2,4-Trichlorobenzene	11.62	180	57175	9.826	ppb	98
74) Hexachlorobutadiene	11.81	225	21349	9.518	ppb	98
75) Naphthalene	11.86	128	143609	10.019	ppb	99
76) 1,2,3-Trichlorobenzene	12.10	180	55201	10.024	ppb	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110813.D
 Acq On : 8 Nov 2022 2:06 pm
 Operator : LM
 Sample : 10 ppb 8260 ICAL 67-177N
 Misc : soil/water
 ALS Vial : 11 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:39 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110814.D
 Acq On : 8 Nov 2022 2:30 pm
 Operator : LM
 Sample : 20 ppb 8260 ICAL 67-1770
 Misc : soil/water
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:41 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2 TMP	Ethanol	-1.000	0.000	0.0	100	0.00
3 S	Dibromofluoromethane	10.000	10.076	-0.8	100	0.00
4 TMP	Dichlorodifluoromethane	20.000	20.024	-0.1	100	0.00
5 TMP	Chloromethane	20.000	18.863	5.7	100	0.00
6 TMP	Vinyl chloride	20.000	19.553	2.2	100	0.00
7 TMP	Bromomethane	20.000	16.930	15.4	100	0.00
8 TMP	Chloroethane	20.000	18.005	10.0	100	0.00
9 TMP	Trichlorofluoromethane	20.000	18.677	6.6	100	0.00
10 TMP	2-Propanol	-1.000	0.000	0.0	0	0.00
11 TMP	Acetone	100.000	111.742	-11.7	100	0.00
12 TMP	1,1-Dichloroethene	20.000	18.213	8.9	100	0.00
13 TMP	Hexane	20.000	17.939	10.3	100	0.00
14 TMP	Methylene chloride	20.000	19.138	4.3	100	0.00
15 TMP	t-Butyl alcohol (TBA)	100.000	95.296	4.7	100	0.00
16 TMP	Methyl t-butyl ether (MTBE)	20.000	18.777	6.1	100	0.00
17 TMP	trans-1,2-Dichloroethene	20.000	17.979	10.1	100	0.00
18 TMP	Diisopropyl ether (DIPE)	20.000	18.490	7.6	100	0.00
19 TMP	1,1-Dichloroethane	20.000	18.418	7.9	100	0.00
20 TMP	Ethyl t-butyl ether (ETBE)	20.000	18.693	6.5	100	0.00
21 TMP	2,2-Dichloropropane	20.000	18.940	5.3	100	0.00
22 TMP	cis-1,2-Dichloroethene	20.000	18.186	9.1	100	0.00
23 TMP	Chloroform	20.000	18.801	6.0	100	0.00
24 TMP	2-Butanone (MEK)	100.000	86.692	13.3	100	0.00
25 TMP	t-Amyl methyl ether (TAME)	20.000	18.668	6.7	100	0.00
26 TMP	1,2-Dichloroethane (EDC)	20.000	18.548	7.3	100	0.00
27 TMP	1,1,1-Trichloroethane	20.000	18.613	6.9	100	0.00
28 TMP	1,1-Dichloropropane	20.000	18.098	9.5	100	0.00
29 TMP	Carbon tetrachloride	20.000	18.618	6.9	100	0.00
30 S	1,2-Dichloroethane-d4	10.000	9.995	0.1	100	0.00
31 TMP	Benzene	20.000	18.023	9.9	100	0.00
32 TMP	Trichloroethene	20.000	17.406	13.0	100	0.00
33 TMP	1,2-Dichloropropane	20.000	18.813	5.9	100	0.00
34 TMP	Bromodichloromethane	20.000	18.236	8.8	100	0.00
35 S	Toluene-d8	10.000	10.028	-0.3	100	0.00
36 TMP	Dibromomethane	20.000	18.806	6.0	100	0.00
37 TMP	4-Methyl-2-pentanone	100.000	92.699	7.3	100	0.00
38 TMP	cis-1,3-Dichloropropene	20.000	18.470	7.7	100	0.00
39 I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40 TMP	Toluene	20.000	18.694	6.5	100	0.00
41 TMP	trans-1,3-Dichloropropene	20.000	18.791	6.0	100	0.00
42 TMP	1,1,2-Trichloroethane	20.000	18.407	8.0	100	0.00
43 TMP	2-Hexanone	100.000	92.398	7.6	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110814.D
 Acq On : 8 Nov 2022 2:30 pm
 Operator : LM
 Sample : 20 ppb 8260 ICAL 67-1770
 Misc : soil/water
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:41 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP 1,3-Dichloropropane	20.000	18.711	6.4	100	0.00
45	TMP Tetrachloroethene	20.000	18.689	6.6	100	0.00
46	TMP Dibromochloromethane	20.000	19.445	2.8	100	0.00
47	TMP 1,2-Dibromoethane (EDB)	20.000	18.998	5.0	100	0.00
48	TMP Chlorobenzene	20.000	18.540	7.3	100	0.00
49	TMP Ethylbenzene	20.000	18.370	8.1	100	0.00
50	TMP 1,1,1,2-Tetrachloroethane	20.000	18.909	5.5	100	0.00
51	TMP m,p-Xylene	40.000	37.140	7.1	100	0.00
52	TMP o-Xylene	20.000	18.327	8.4	100	0.00
53	TMP Styrene	20.000	18.638	6.8	100	0.00
54	TMP Isopropylbenzene	20.000	18.293	8.5	100	0.00
55	TMP Bromoform	20.000	19.991	0.0	100	0.00
56	I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S 4-Bromofluorobenzene	10.000	9.932	0.7	100	0.00
58	TMP n-Propylbenzene	20.000	18.187	9.1	100	0.00
59	TMP Bromobenzene	20.000	18.540	7.3	100	0.00
60	TMP 1,3,5-Trimethylbenzene	20.000	18.399	8.0	100	0.00
61	TMP 1,1,2,2-Tetrachloroethane	20.000	18.718	6.4	100	0.00
62	TMP 1,2,3-Trichloropropane	20.000	18.463	7.7	100	0.00
63	TMP 2-Chlorotoluene	20.000	18.286	8.6	100	0.00
64	TMP 4-Chlorotoluene	20.000	17.953	10.2	100	0.00
65	TMP tert-Butylbenzene	20.000	18.417	7.9	100	0.00
66	TMP 1,2,4-Trimethylbenzene	20.000	18.090	9.6	100	0.00
67	TMP sec-Butylbenzene	20.000	18.326	8.4	100	0.00
68	TMP p-Isopropyltoluene	20.000	18.149	9.3	100	0.00
69	TMP 1,3-Dichlorobenzene	20.000	18.333	8.3	100	0.00
70	TMP 1,4-Dichlorobenzene	20.000	18.150	9.3	100	0.00
71	TMP 1,2-Dichlorobenzene	20.000	18.378	8.1	100	0.00
72	TMP 1,2-Dibromo-3-chloropropane	20.000	18.768	6.2	100	0.00
73	TMP 1,2,4-Trichlorobenzene	20.000	18.709	6.5	100	0.00
74	TMP Hexachlorobutadiene	20.000	18.763	6.2	100	0.00
75	TMP Naphthalene	20.000	18.970	5.2	100	0.00
76	TMP 1,2,3-Trichlorobenzene	20.000	18.735	6.3	100	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110814.D
 Acq On : 8 Nov 2022 2:30 pm
 Operator : LM
 Sample : 20 ppb 8260 ICAL 67-1770
 Misc : soil/water
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:41 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I Fluorobenzene	1.000	1.000	0.0	100	0.00
2 TMP Ethanol	0.000	0.000#	0.0	100	0.00
3 S Dibromofluoromethane	0.275	0.277	-0.7	100	0.00
4 TMP Dichlorodifluoromethane	0.410	0.410	0.0	100	0.00
5 TMP Chloromethane	0.380	0.358	5.8	100	0.00
6 TMP Vinyl chloride	0.360	0.352	2.2	100	0.00
7 TMP Bromomethane	0.168	0.142	15.5	100	0.00
8 TMP Chloroethane	0.189	0.170	10.1	100	0.00
9 TMP Trichlorofluoromethane	0.562	0.525	6.6	100	0.00
10 TMP 2-Propanol	0.000	0.000	0.0	0#	0.00
11 TMP Acetone	0.037	0.030	18.9	100	0.00
12 TMP 1,1-Dichloroethene	0.333	0.304	8.7	100	0.00
13 TMP Hexane	0.348	0.313	10.1	100	0.00
14 TMP Methylene chloride	0.369	0.325	11.9	100	0.00
15 TMP t-Butyl alcohol (TBA)	0.051	0.049	3.9	100	0.00
16 TMP Methyl t-butyl ether (MTBE)	0.971	0.912	6.1	100	0.00
17 TMP trans-1,2-Dichloroethene	0.353	0.317	10.2	100	0.00
18 TMP Diisopropyl ether (DIPE)	0.889	0.821	7.6	100	0.00
19 TMP 1,1-Dichloroethane	0.536	0.493	8.0	100	0.00
20 TMP Ethyl t-butyl ether (ETBE)	0.425	0.397	6.6	100	0.00
21 TMP 2,2-Dichloropropane	0.352	0.323	8.2	100	0.00
22 TMP cis-1,2-Dichloroethene	0.382	0.347	9.2	100	0.00
23 TMP Chloroform	0.583	0.545	6.5	100	0.00
24 TMP 2-Butanone (MEK)	0.186	0.161	13.4	100	0.00
25 TMP t-Amyl methyl ether (TAME)	0.964	0.899	6.7	100	0.00
26 TMP 1,2-Dichloroethane (EDC)	0.438	0.406	7.3	100	0.00
27 TMP 1,1,1-Trichloroethane	0.532	0.495	7.0	100	0.00
28 TMP 1,1-Dichloropropene	0.448	0.406	9.4	100	0.00
29 TMP Carbon tetrachloride	0.479	0.446	6.9	100	0.00
30 S 1,2-Dichloroethane-d4	0.063	0.063	0.0	100	0.00
31 TMP Benzene	1.286	1.159	9.9	100	0.00
32 TMP Trichloroethene	0.373	0.325	12.9	100	0.00
33 TMP 1,2-Dichloropropane	0.284	0.268	5.6	100	0.00
34 TMP Bromodichloromethane	0.432	0.394	8.8	100	0.00
35 S Toluene-d8	1.002	1.005	-0.3	100	0.00
36 TMP Dibromomethane	0.216	0.203	6.0	100	0.00
37 TMP 4-Methyl-2-pentanone	0.077	0.071	7.8	100	0.00
38 TMP cis-1,3-Dichloropropene	0.504	0.466	7.5	100	0.00
39 I Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40 TMP Toluene	0.968	0.905	6.5	100	0.00
41 TMP trans-1,3-Dichloropropene	0.553	0.519	6.1	100	0.00
42 TMP 1,1,2-Trichloroethane	0.293	0.270	7.8	100	0.00
43 TMP 2-Hexanone	0.320	0.296	7.5	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110814.D
 Acq On : 8 Nov 2022 2:30 pm
 Operator : LM
 Sample : 20 ppb 8260 ICAL 67-1770
 Misc : soil/water
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:41 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.560	0.524	6.4	100	0.00
45 TMP Tetrachloroethene	0.431	0.403	6.5	100	0.00
46 TMP Dibromochloromethane	0.429	0.414	3.5	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	0.398	0.378	5.0	100	0.00
48 TMP Chlorobenzene	1.148	1.064	7.3	100	0.00
49 TMP Ethylbenzene	1.845	1.695	8.1	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.426	0.402	5.6	100	0.00
51 TMP m,p-Xylene	0.746	0.693	7.1	100	0.00
52 TMP o-Xylene	0.741	0.679	8.4	100	0.00
53 TMP Styrene	1.258	1.172	6.8	100	0.00
54 TMP Isopropylbenzene	1.878	1.718	8.5	100	0.00
55 TMP Bromoform	0.362	0.348	3.9	100	0.00
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	0.701	0.697	0.6	100	0.00
58 TMP n-Propylbenzene	3.165	2.878	9.1	100	0.00
59 TMP Bromobenzene	0.916	0.849	7.3	100	0.00
60 TMP 1,3,5-Trimethylbenzene	2.336	2.149	8.0	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.806	0.754	6.5	100	0.00
62 TMP 1,2,3-Trichloropropane	0.610	0.564	7.5	100	0.00
63 TMP 2-Chlorotoluene	1.890	1.728	8.6	100	0.00
64 TMP 4-Chlorotoluene	2.253	2.023	10.2	100	0.00
65 TMP tert-Butylbenzene	2.062	1.899	7.9	100	0.00
66 TMP 1,2,4-Trimethylbenzene	2.433	2.201	9.5	100	0.00
67 TMP sec-Butylbenzene	2.769	2.537	8.4	100	0.00
68 TMP p-Isopropyltoluene	2.526	2.292	9.3	100	0.00
69 TMP 1,3-Dichlorobenzene	1.624	1.489	8.3	100	0.00
70 TMP 1,4-Dichlorobenzene	1.675	1.520	9.3	100	0.00
71 TMP 1,2-Dichlorobenzene	1.595	1.466	8.1	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	0.167	0.157	6.0	100	0.00
73 TMP 1,2,4-Trichlorobenzene	1.200	1.123	6.4	100	0.00
74 TMP Hexachlorobutadiene	0.463	0.434	6.3	100	0.00
75 TMP Naphthalene	2.957	2.804	5.2	100	0.00
76 TMP 1,2,3-Trichlorobenzene	1.136	1.064	6.3	100	0.00

(#) = Out of Range

SPCC's out = 1 CCC's out = 0

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110814.D
 Acq On : 8 Nov 2022 2:30 pm
 Operator : LM
 Sample : 20 ppb 8260 ICAL 67-1770
 Misc : soil/water
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:41 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	4.78	96	89724	10.000	ppb	0.00	
39) Chlorobenzene-d5	7.44	117	75215	10.000	ppb	0.00	
56) 1,4-Dichlorobenzene-d4	9.66	152	49913	10.000	ppb	0.00	
System Monitoring Compounds							
3) Dibromofluoromethane	4.21	113	24852	10.076	ppb	0.00	
Spiked Amount	10.000	Range	0 - 1000	Recovery	=	100.80%	
30) 1,2-Dichloroethane-d4	4.49	102	5694	9.995	ppb	0.00	
Spiked Amount	10.000	Range	90 - 109	Recovery	=	100.00%	
35) Toluene-d8	6.14	98	90130	10.028	ppb	0.00	
Spiked Amount	10.000	Range	89 - 112	Recovery	=	100.30%	
57) 4-Bromofluorobenzene	8.54	95	34766	9.932	ppb	0.00	
Spiked Amount	10.000	Range	84 - 115	Recovery	=	99.30%	
Target Compounds							
							Qvalue
2) Ethanol	1.07	45	3502	No Calib			
4) Dichlorodifluoromethane	1.18	85	73593	20.024	ppb		91
5) Chloromethane	1.32	50	64275	18.863	ppb		99
6) Vinyl chloride	1.40	62	63206	19.553	ppb		95
7) Bromomethane	1.63	94	25447	16.930	ppb		99
8) Chloroethane	1.70	64	30523	18.005	ppb		98
9) Trichlorofluoromethane	1.89	101	94127	18.677	ppb		97
10) 2-Propanol	2.99	45	7835	No Calib			
11) Acetone	2.39	58	27001	111.742	ppb		89
12) 1,1-Dichloroethene	2.32	96	54478	18.213	ppb	#	78
13) Hexane	3.21	57	56092	17.939	ppb		96
14) Methylene chloride	2.73	84	58263	19.138	ppb		89
15) t-Butyl alcohol (TBA)	2.87	59	43808	95.296	ppb		89
16) Methyl t-butyl ether (...)	2.98	73	163668	18.777	ppb		98
17) trans-1,2-Dichloroethene	2.97	96	56922	17.979	ppb	#	81
18) Diisopropyl ether (DIPE)	3.40	45	147412	18.490	ppb		94
19) 1,1-Dichloroethane	3.32	63	88537	18.418	ppb		98
20) Ethyl t-butyl ether (E...)	3.70	87	71277	18.693	ppb		84
21) 2,2-Dichloropropane	3.81	77	58000	18.940	ppb		97
22) cis-1,2-Dichloroethene	3.81	96	62330	18.186	ppb	#	79
23) Chloroform	4.08	83	97888	18.801	ppb		99
24) 2-Butanone (MEK)	3.83	43	144756	86.692	ppb		95
25) t-Amyl methyl ether (T...)	4.65	73	161402	18.668	ppb		99
26) 1,2-Dichloroethane (EDC)	4.55	62	72919	18.548	ppb		96
27) 1,1,1-Trichloroethane	4.23	97	88911	18.613	ppb		94
28) 1,1-Dichloropropene	4.37	75	72768	18.098	ppb		90
29) Carbon tetrachloride	4.37	117	80059	18.618	ppb		93
31) Benzene	4.54	78	207900	18.023	ppb		93
32) Trichloroethene	5.09	95	58233	17.406	ppb	#	76
33) 1,2-Dichloropropane	5.28	63	48010	18.813	ppb		96
34) Bromodichloromethane	5.51	83	70632	18.236	ppb		97
36) Dibromomethane	5.37	93	36401	18.806	ppb		82

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110814.D
 Acq On : 8 Nov 2022 2:30 pm
 Operator : LM
 Sample : 20 ppb 8260 ICAL 67-1770
 Misc : soil/water
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS4

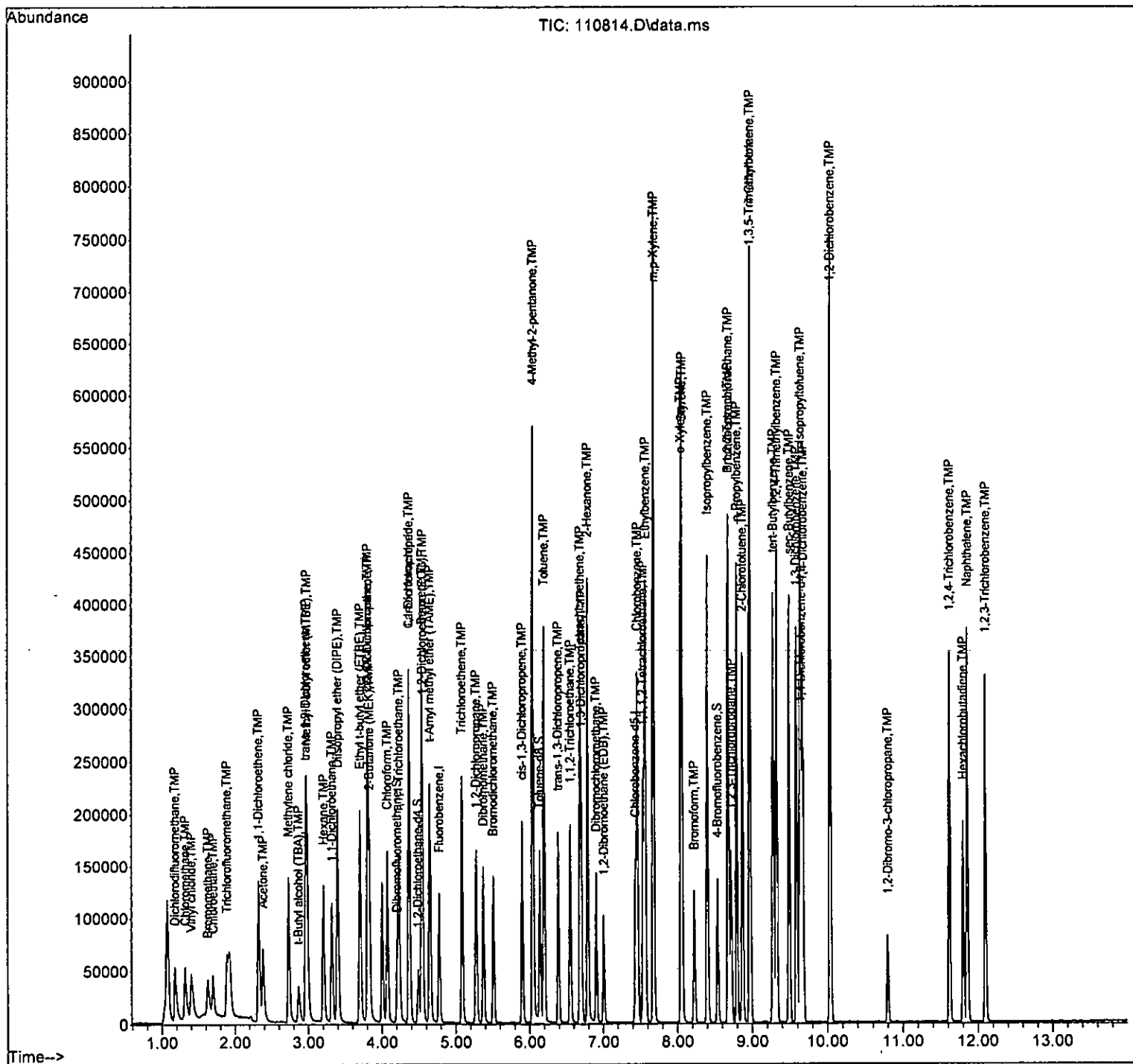
Quant Time: Nov 08 16:47:41 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	6.05	85	63954	92.699	ppb	# 76
38) cis-1,3-Dichloropropene	5.90	75	83559	18.470	ppb	92
40) Toluene	6.20	92	136069	18.694	ppb	97
41) trans-1,3-Dichloropropene	6.39	75	78143	18.791	ppb	95
42) 1,1,2-Trichloroethane	6.55	83	40578	18.407	ppb	87
43) 2-Hexanone	6.79	43	222689	92.398	ppb	97
44) 1,3-Dichloropropane	6.70	76	78842	18.711	ppb	99
45) Tetrachloroethene	6.69	164	60564	18.689	ppb	99
46) Dibromochloromethane	6.91	129	62322	19.445	ppb	100
47) 1,2-Dibromoethane (EDB)	7.01	107	56899	18.998	ppb	95
48) Chlorobenzene	7.46	112	160098	18.540	ppb	89
49) Ethylbenzene	7.57	91	254952	18.370	ppb	92
50) 1,1,1,2-Tetrachloroethane	7.54	131	60525	18.909	ppb	95
51) m,p-Xylene	7.68	106	208379	37.140	ppb	86
52) o-Xylene	8.05	106	102174	18.327	ppb	88
53) Styrene	8.06	104	176352	18.638	ppb	87
54) Isopropylbenzene	8.40	105	258390	18.293	ppb	94
55) Bromoform	8.22	173	52290	19.991	ppb	98
58) n-Propylbenzene	8.79	91	287328	18.187	ppb	91
59) Bromobenzene	8.68	156	84749	18.540	ppb	# 82
60) 1,3,5-Trimethylbenzene	8.97	105	214549	18.399	ppb	89
61) 1,1,2,2-Tetrachloroethane	8.68	83	75310	18.718	ppb	95
62) 1,2,3-Trichloropropane	8.72	75	56257	18.463	ppb	98
63) 2-Chlorotoluene	8.87	91	172461	18.286	ppb	88
64) 4-Chlorotoluene	8.97	91	201899	17.953	ppb	87
65) tert-Butylbenzene	9.28	119	189585	18.417	ppb	84
66) 1,2,4-Trimethylbenzene	9.33	105	219687	18.090	ppb	91
67) sec-Butylbenzene	9.49	105	253268	18.326	ppb	92
68) p-Isopropyltoluene	9.64	119	228782	18.149	ppb	91
69) 1,3-Dichlorobenzene	9.59	146	148613	18.333	ppb	96
70) 1,4-Dichlorobenzene	9.68	146	151773	18.150	ppb	94
71) 1,2-Dichlorobenzene	10.04	146	146308	18.378	ppb	94
72) 1,2-Dibromo-3-chloropr...	10.80	75	15655	18.768	ppb	# 60
73) 1,2,4-Trichlorobenzene	11.62	180	112089	18.709	ppb	99
74) Hexachlorobutadiene	11.81	225	43330	18.763	ppb	99
75) Naphthalene	11.86	128	279962	18.970	ppb	99
76) 1,2,3-Trichlorobenzene	12.10	180	106233	18.735	ppb	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110814.D
 Acq On : 8 Nov 2022 2:30 pm
 Operator : LM
 Sample : 20 ppb 8260 ICAL 67-1770
 Misc : soil/water
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS4

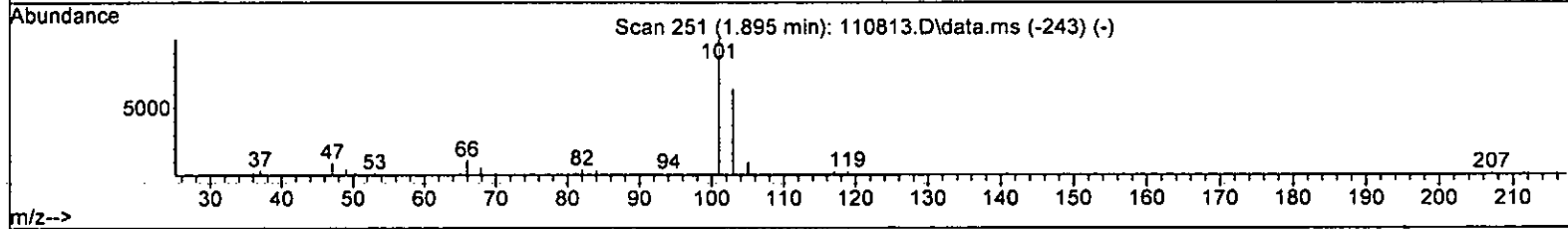
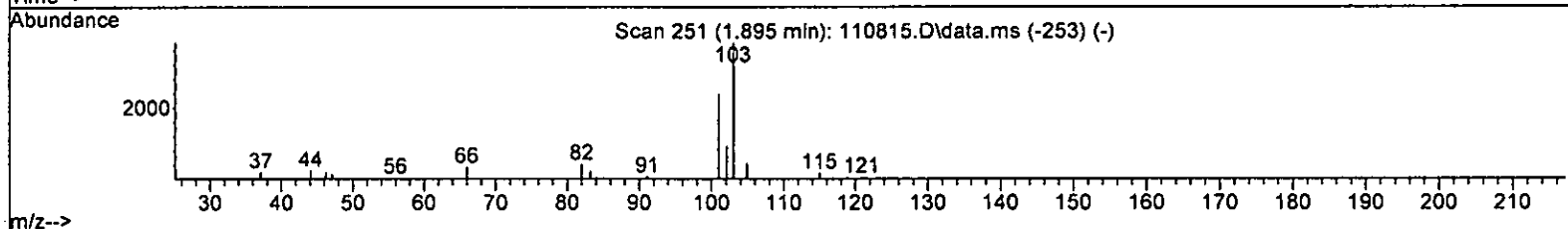
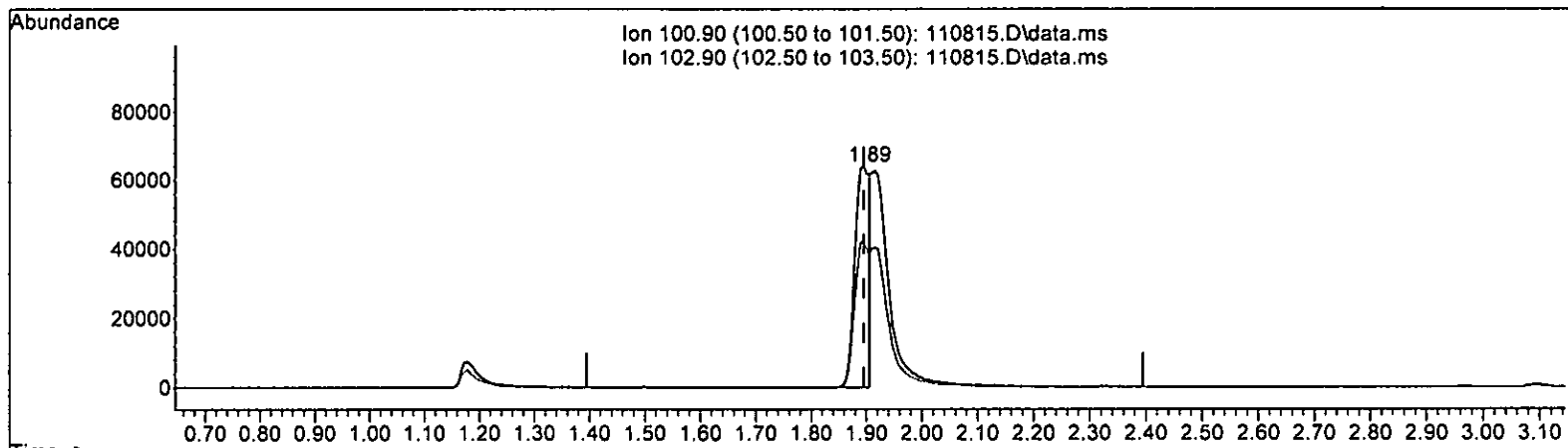
Quant Time: Nov 08 16:47:41 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110815.D
 Acq On : 8 Nov 2022 2:55 pm
 Operator : LM
 Sample : 50 ppb 8260 ICAL 67-177Q
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:43 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



TIC: 110815.D\data.ms

(9) Trichlorofluoromethane (TMF)

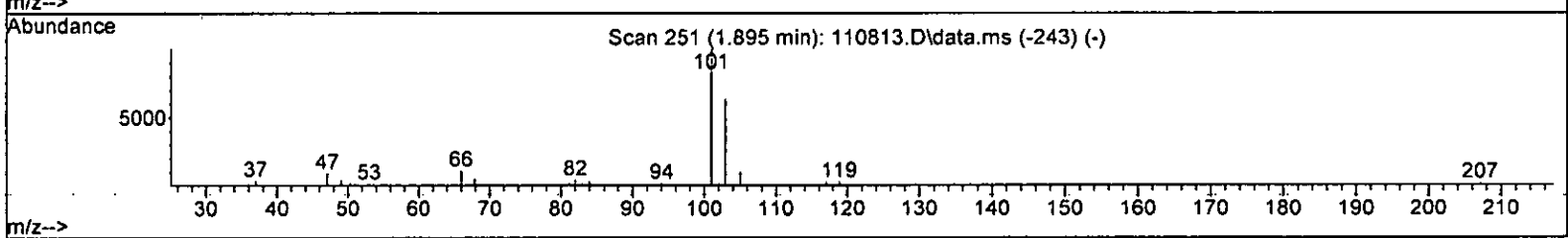
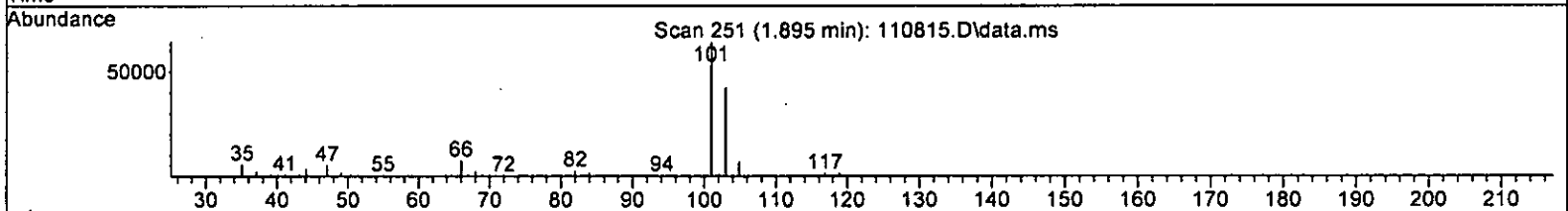
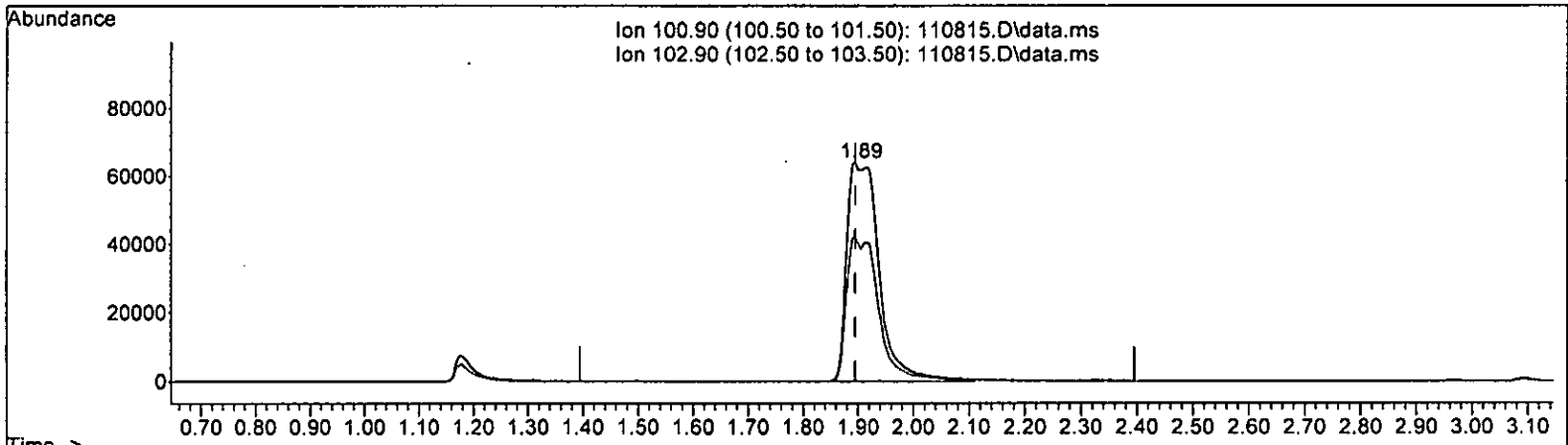
1.895min (-0.000) 22.966 ppb

response	116202
Ion	Exp% Act%
100.90	100.00 100.00
102.90	61.00 65.76
0.00	0.00 0.00
0.00	0.00 0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110815.D
 Acq On : 8 Nov 2022 2:55 pm
 Operator : LM
 Sample : 50 ppb 8260 ICAL 67-177Q
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:43 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



TIC: 110815.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.895min (-0.000) 50.922 ppb m

response	257649
Ion	Exp% Act%
100.90	100.00 100.00
102.90	61.00 65.76
0.00	0.00 0.00
0.00	0.00 0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110815.D
 Acq On : 8 Nov 2022 2:55 pm
 Operator : LM
 Sample : 50 ppb 8260 ICAL 67-177Q
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:43 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I Fluorobenzene	10.000	10.000	0.0	100	0.00
2 TMP Ethanol	-1.000	0.000	0.0	100	0.01
3 S Dibromofluoromethane	10.000	9.862	1.4	100	0.00
4 TMP Dichlorodifluoromethane	50.000	52.412	-4.8	100	0.00
5 TMP Chloromethane	50.000	48.923	2.2	100	0.00
6 TMP Vinyl chloride	50.000	51.715	-3.4	100	0.00
7 TMP Bromomethane	50.000	46.281	7.4	100	0.00
8 TMP Chloroethane	50.000	47.162	5.7	100	0.00
9 TMP Trichlorofluoromethane	50.000	50.922	-1.8	100	0.00
10 TMP 2-Propanol	-1.000	0.000	0.0	0	0.00
11 TMP Acetone	250.000	259.559	-3.8	100	0.00
12 TMP 1,1-Dichloroethene	50.000	47.263	5.5	100	0.00
13 TMP Hexane	50.000	48.056	3.9	100	0.00
14 TMP Methylene chloride	50.000	50.247	-0.5	100	0.00
15 TMP t-Butyl alcohol (TBA)	250.000	254.457	-1.8	100	0.00
16 TMP Methyl t-butyl ether (MTBE)	50.000	49.667	0.7	100	0.00
17 TMP trans-1,2-Dichloroethene	50.000	48.207	3.6	100	0.00
18 TMP Diisopropyl ether (DIPE)	50.000	49.307	1.4	100	0.00
19 TMP 1,1-Dichloroethane	50.000	48.956	2.1	100	0.00
20 TMP Ethyl t-butyl ether (ETBE)	50.000	50.329	-0.7	100	0.00
21 TMP 2,2-Dichloropropane	50.000	48.859	2.3	100	0.00
22 TMP cis-1,2-Dichloroethene	50.000	47.687	4.6	100	0.00
23 TMP Chloroform	50.000	49.526	0.9	100	0.00
24 TMP 2-Butanone (MEK)	250.000	235.469	5.8	100	0.00
25 TMP t-Amyl methyl ether (TAME)	50.000	50.092	-0.2	100	0.00
26 TMP 1,2-Dichloroethane (EDC)	50.000	49.728	0.5	100	0.00
27 TMP 1,1,1-Trichloroethane	50.000	49.050	1.9	100	0.00
28 TMP 1,1-Dichloropropane	50.000	48.826	2.3	100	0.00
29 TMP Carbon tetrachloride	50.000	49.732	0.5	100	0.00
30 S 1,2-Dichloroethane-d4	10.000	10.076	-0.8	100	0.00
31 TMP Benzene	50.000	49.501	1.0	100	0.00
32 TMP Trichloroethene	50.000	47.199	5.6	100	0.00
33 TMP 1,2-Dichloropropane	50.000	50.726	-1.5	100	0.00
34 TMP Bromodichloromethane	50.000	50.458	-0.9	100	0.00
35 S Toluene-d8	10.000	10.075	-0.7	100	0.00
36 TMP Dibromomethane	50.000	50.280	-0.6	100	0.00
37 TMP 4-Methyl-2-pentanone	250.000	256.990	-2.8	100	0.00
38 TMP cis-1,3-Dichloropropene	50.000	50.807	-1.6	100	0.00
39 I Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40 TMP Toluene	50.000	50.193	-0.4	100	0.00
41 TMP trans-1,3-Dichloropropene	50.000	50.591	-1.2	100	0.00
42 TMP 1,1,2-Trichloroethane	50.000	49.806	0.4	100	0.00
43 TMP 2-Hexanone	250.000	254.353	-1.7	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110815.D
 Acq On : 8 Nov 2022 2:55 pm
 Operator : LM
 Sample : 50 ppb 8260 ICAL 67-177Q
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:43 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	50.000	51.006	-2.0	100	0.00
45 TMP Tetrachloroethene	50.000	49.946	0.1	100	0.00
46 TMP Dibromochloromethane	50.000	52.794	-5.6	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	50.000	51.414	-2.8	100	0.00
48 TMP Chlorobenzene	50.000	49.978	0.0	100	0.00
49 TMP Ethylbenzene	50.000	49.625	0.8	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	50.000	50.779	-1.6	100	0.00
51 TMP m,p-Xylene	100.000	98.727	1.3	100	0.00
52 TMP o-Xylene	50.000	48.953	2.1	100	0.00
53 TMP Styrene	50.000	49.978	0.0	100	0.00
54 TMP Isopropylbenzene	50.000	48.859	2.3	100	0.00
55 TMP Bromoform	50.000	53.712	-7.4	100	0.00
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	10.000	9.945	0.5	100	0.00
58 TMP n-Propylbenzene	50.000	49.437	1.1	100	0.00
59 TMP Bromobenzene	50.000	50.349	-0.7	100	0.00
60 TMP 1,3,5-Trimethylbenzene	50.000	49.967	0.1	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	50.000	51.464	-2.9	100	0.00
62 TMP 1,2,3-Trichloropropane	50.000	50.638	-1.3	100	0.00
63 TMP 2-Chlorotoluene	50.000	49.226	1.5	100	0.00
64 TMP 4-Chlorotoluene	50.000	49.384	1.2	100	0.00
65 TMP tert-Butylbenzene	50.000	49.413	1.2	100	0.00
66 TMP 1,2,4-Trimethylbenzene	50.000	48.989	2.0	100	0.00
67 TMP sec-Butylbenzene	50.000	49.630	0.7	100	0.00
68 TMP p-Isopropyltoluene	50.000	49.497	1.0	100	0.00
69 TMP 1,3-Dichlorobenzene	50.000	49.179	1.6	100	0.00
70 TMP 1,4-Dichlorobenzene	50.000	48.863	2.3	100	0.00
71 TMP 1,2-Dichlorobenzene	50.000	49.178	1.6	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	50.000	51.800	-3.6	100	0.00
73 TMP 1,2,4-Trichlorobenzene	50.000	50.734	-1.5	100	0.00
74 TMP Hexachlorobutadiene	50.000	50.627	-1.3	100	0.00
75 TMP Naphthalene	50.000	52.287	-4.6	100	0.00
76 TMP 1,2,3-Trichlorobenzene	50.000	51.424	-2.8	100	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110815.D
 Acq On : 8 Nov 2022 2:55 pm
 Operator : LM
 Sample : 50 ppb 8260 ICAL 67-177Q
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:43 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I Fluorobenzene	1.000	1.000	0.0	100	0.00
2 TMP Ethanol	0.000	0.000#	0.0	100	0.01
3 S Dibromofluoromethane	0.275	0.271	1.5	100	0.00
4 TMP Dichlorodifluoromethane	0.410	0.429	-4.6	100	0.00
5 TMP Chloromethane	0.380	0.372	2.1	100	0.00
6 TMP Vinyl chloride	0.360	0.373	-3.6	100	0.00
7 TMP Bromomethane	0.168	0.155	7.7	100	0.00
8 TMP Chloroethane	0.189	0.178	5.8	100	0.00
9 TMP Trichlorofluoromethane	0.562	0.572	-1.8	100	0.00
10 TMP 2-Propanol	0.000	0.000	0.0	0#	0.00
11 TMP Acetone	0.037	0.032	13.5	100	0.00
12 TMP 1,1-Dichloroethene	0.333	0.315	5.4	100	0.00
13 TMP Hexane	0.348	0.335	3.7	100	0.00
14 TMP Methylene chloride	0.369	0.325	11.9	100	0.00
15 TMP t-Butyl alcohol (TBA)	0.051	0.052	-2.0	100	0.00
16 TMP Methyl t-butyl ether (MTBE)	0.971	0.965	0.6	100	0.00
17 TMP trans-1,2-Dichloroethene	0.353	0.340	3.7	100	0.00
18 TMP Diisopropyl ether (DIPE)	0.889	0.876	1.5	100	0.00
19 TMP 1,1-Dichloroethane	0.536	0.525	2.1	100	0.00
20 TMP Ethyl t-butyl ether (ETBE)	0.425	0.428	-0.7	100	0.00
21 TMP 2,2-Dichloropropane	0.352	0.326	7.4	100	0.00
22 TMP cis-1,2-Dichloroethene	0.382	0.364	4.7	100	0.00
23 TMP Chloroform	0.583	0.575	1.4	100	0.00
24 TMP 2-Butanone (MEK)	0.186	0.175	5.9	100	0.00
25 TMP t-Amyl methyl ether (TAME)	0.964	0.965	-0.1	100	0.00
26 TMP 1,2-Dichloroethane (EDC)	0.438	0.436	0.5	100	0.00
27 TMP 1,1,1-Trichloroethane	0.532	0.522	1.9	100	0.00
28 TMP 1,1-Dichloropropene	0.448	0.438	2.2	100	0.00
29 TMP Carbon tetrachloride	0.479	0.477	0.4	100	0.00
30 S 1,2-Dichloroethane-d4	0.063	0.064	-1.6	100	0.00
31 TMP Benzene	1.286	1.273	1.0	100	0.00
32 TMP Trichloroethene	0.373	0.352	5.6	100	0.00
33 TMP 1,2-Dichloropropane	0.284	0.289	-1.8	100	0.00
34 TMP Bromodichloromethane	0.432	0.436	-0.9	100	0.00
35 S Toluene-d8	1.002	1.009	-0.7	100	0.00
36 TMP Dibromomethane	0.216	0.217	-0.5	100	0.00
37 TMP 4-Methyl-2-pentanone	0.077	0.079	-2.6	100	0.00
38 TMP cis-1,3-Dichloropropene	0.504	0.512	-1.6	100	0.00
39 I Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40 TMP Toluene	0.968	0.971	-0.3	100	0.00
41 TMP trans-1,3-Dichloropropene	0.553	0.559	-1.1	100	0.00
42 TMP 1,1,2-Trichloroethane	0.293	0.292	0.3	100	0.00
43 TMP 2-Hexanone	0.320	0.326	-1.9	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110815.D
 Acq On : 8 Nov 2022 2:55 pm
 Operator : LM
 Sample : 50 ppb 8260 ICAL 67-177Q
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:43 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.560	0.571	-2.0	100	0.00
45 TMP Tetrachloroethene	0.431	0.430	0.2	100	0.00
46 TMP Dibromochloromethane	0.429	0.464	-8.2	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	0.398	0.409	-2.8	100	0.00
48 TMP Chlorobenzene	1.148	1.148	0.0	100	0.00
49 TMP Ethylbenzene	1.845	1.831	0.8	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.426	0.432	-1.4	100	0.00
51 TMP m,p-Xylene	0.746	0.736	1.3	100	0.00
52 TMP o-Xylene	0.741	0.726	2.0	100	0.00
53 TMP Styrene	1.258	1.257	0.1	100	0.00
54 TMP Isopropylbenzene	1.878	1.835	2.3	100	0.00
55 TMP Bromoform	0.362	0.393	-8.6	100	0.00
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	0.701	0.697	0.6	100	0.00
58 TMP n-Propylbenzene	3.165	3.130	1.1	100	0.00
59 TMP Bromobenzene	0.916	0.922	-0.7	100	0.00
60 TMP 1,3,5-Trimethylbenzene	2.336	2.335	0.0	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.806	0.830	-3.0	100	0.00
62 TMP 1,2,3-Trichloropropane	0.610	0.618	-1.3	100	0.00
63 TMP 2-Chlorotoluene	1.890	1.860	1.6	100	0.00
64 TMP 4-Chlorotoluene	2.253	2.225	1.2	100	0.00
65 TMP tert-Butylbenzene	2.062	2.038	1.2	100	0.00
66 TMP 1,2,4-Trimethylbenzene	2.433	2.384	2.0	100	0.00
67 TMP sec-Butylbenzene	2.769	2.748	0.8	100	0.00
68 TMP p-Isopropyltoluene	2.526	2.500	1.0	100	0.00
69 TMP 1,3-Dichlorobenzene	1.624	1.597	1.7	100	0.00
70 TMP 1,4-Dichlorobenzene	1.675	1.637	2.3	100	0.00
71 TMP 1,2-Dichlorobenzene	1.595	1.569	1.6	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	0.167	0.173	-3.6	100	0.00
73 TMP 1,2,4-Trichlorobenzene	1.200	1.218	-1.5	100	0.00
74 TMP Hexachlorobutadiene	0.463	0.468	-1.1	100	0.00
75 TMP Naphthalene	2.957	3.092	-4.6	100	0.00
76 TMP 1,2,3-Trichlorobenzene	1.136	1.168	-2.8	100	0.00

(#) = Out of Range

SPCC's out = 1 CCC's out = 0

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110815.D
 Acq On : 8 Nov 2022 2:55 pm
 Operator : LM
 Sample : 50 ppb 8260 ICAL 67-177Q
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:43 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	4.78	96	90079	10.000	ppb	0.00
39) Chlorobenzene-d5	7.43	117	76555	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.65	152	49605	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.21	113	24421	9.862	ppb	0.00
Spiked Amount	10.000	Range	0 - 1000	Recovery	=	98.60%
30) 1,2-Dichloroethane-d4	4.49	102	5763	10.076	ppb	0.00
Spiked Amount	10.000	Range	90 - 109	Recovery	=	100.80%
35) Toluene-d8	6.14	98	90909	10.075	ppb	0.00
Spiked Amount	10.000	Range	89 - 112	Recovery	=	100.70%
57) 4-Bromofluorobenzene	8.54	95	34598	9.945	ppb	0.00
Spiked Amount	10.000	Range	84 - 115	Recovery	=	99.50%
Target Compounds						
2) Ethanol	1.08	45	3563	No Calib		Qvalue
4) Dichlorodifluoromethane	1.18	85	193390	52.412	ppb	95
5) Chloromethane	1.31	50	167365	48.923	ppb	98
6) Vinyl chloride	1.40	62	167832	51.715	ppb	99
7) Bromomethane	1.63	94	69839	46.281	ppb	94
8) Chloroethane	1.70	64	80269	47.162	ppb	97
9) Trichlorofluoromethane	1.89	101	257649m	50.922	ppb	
10) 2-Propanol	2.98	45	21435	No Calib		
11) Acetone	2.39	58	72310	259.559	ppb	92
12) 1,1-Dichloroethene	2.32	96	141930	47.263	ppb	# 80
13) Hexane	3.21	57	150857	48.056	ppb	95
14) Methylene chloride	2.73	84	146209	50.247	ppb	89
15) t-Butyl alcohol (TBA)	2.87	59	117438	254.457	ppb	90
16) Methyl t-butyl ether (...)	2.99	73	434622	49.667	ppb	97
17) trans-1,2-Dichloroethene	2.97	96	153230	48.207	ppb	83
18) Diisopropyl ether (DIPE)	3.40	45	394656	49.307	ppb	93
19) 1,1-Dichloroethane	3.32	63	236270	48.956	ppb	98
20) Ethyl t-butyl ether (E...)	3.70	87	192669	50.329	ppb	# 83
21) 2,2-Dichloropropane	3.81	77	146788	48.859	ppb	95
22) cis-1,2-Dichloroethene	3.81	96	164087	47.687	ppb	# 81
23) Chloroform	4.08	83	258775	49.526	ppb	99
24) 2-Butanone (MEK)	3.83	43	394736	235.469	ppb	95
25) t-Amyl methyl ether (T...)	4.65	73	434811	50.092	ppb	99
26) 1,2-Dichloroethane (EDC)	4.55	62	196277	49.728	ppb	96
27) 1,1,1-Trichloroethane	4.23	97	235230	49.050	ppb	94
28) 1,1-Dichloropropene	4.37	75	197093	48.826	ppb	90
29) Carbon tetrachloride	4.37	117	214695	49.732	ppb	91
31) Benzene	4.54	78	573260	49.501	ppb	95
32) Trichloroethene	5.09	95	158535	47.199	ppb	79
33) 1,2-Dichloropropane	5.28	63	129960	50.726	ppb	97
34) Bromodichloromethane	5.51	83	196206	50.458	ppb	96
36) Dibromomethane	5.37	93	97707	50.280	ppb	85

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110815.D
 Acq On : 8 Nov 2022 2:55 pm
 Operator : LM
 Sample : 50 ppb 8260 ICAL 67-177Q
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS4

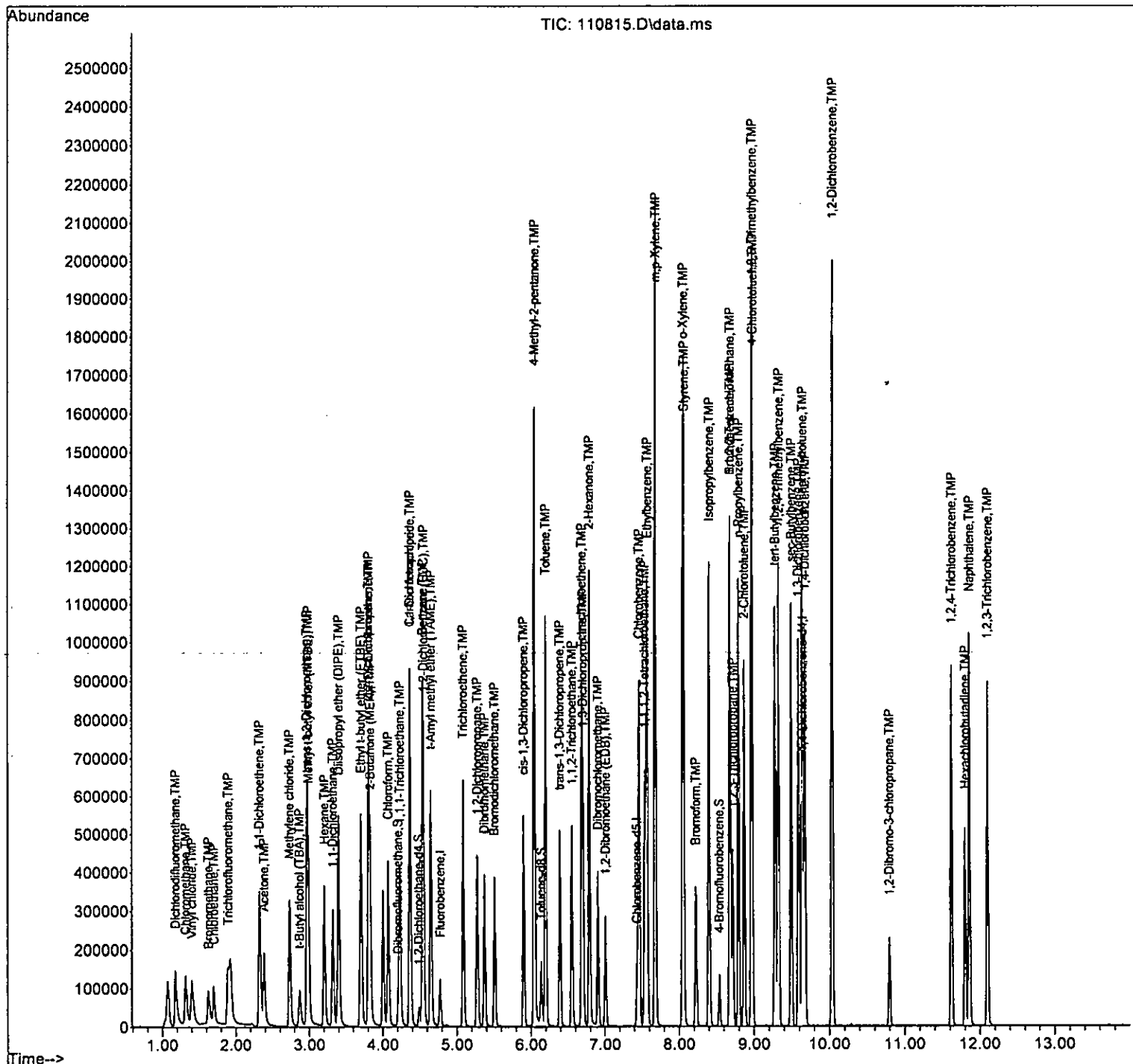
Quant Time: Nov 08 16:47:43 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	6.05	85	178002	256.990	ppb	# 77
38) cis-1,3-Dichloropropene	5.90	75	230758	50.807	ppb	95
40) Toluene	6.20	92	371842	50.193	ppb	96
41) trans-1,3-Dichloropropene	6.39	75	214130	50.591	ppb	97
42) 1,1,2-Trichloroethane	6.55	83	111752	49.806	ppb	89
43) 2-Hexanone	6.79	43	623940	254.353	ppb	96
44) 1,3-Dichloropropane	6.70	76	218745	51.006	ppb	99
45) Tetrachloroethene	6.69	164	164736	49.946	ppb	99
46) Dibromochloromethane	6.91	129	177719	52.794	ppb	99
47) 1,2-Dibromoethane (EDB)	7.01	107	156732	51.414	ppb	94
48) Chlorobenzene	7.46	112	439266	49.978	ppb	89
49) Ethylbenzene	7.57	91	701000	49.625	ppb	94
50) 1,1,1,2-Tetrachloroethane	7.54	131	165428	50.779	ppb	97
51) m,p-Xylene	7.68	106	563786	98.727	ppb	89
52) o-Xylene	8.05	106	277771	48.953	ppb	87
53) Styrene	8.06	104	481315	49.978	ppb	87
54) Isopropylbenzene	8.40	105	702451	48.859	ppb	94
55) Bromoform	8.22	173	150590	53.712	ppb	99
58) n-Propylbenzene	8.79	91	776217	49.437	ppb	93
59) Bromobenzene	8.68	156	228733	50.349	ppb	# 84
60) 1,3,5-Trimethylbenzene	8.97	105	579070	49.967	ppb	88
61) 1,1,2,2-Tetrachloroethane	8.68	83	205783	51.464	ppb	97
62) 1,2,3-Trichloropropane	8.72	75	153345	50.638	ppb	99
63) 2-Chlorotoluene	8.87	91	461392	49.226	ppb	86
64) 4-Chlorotoluene	8.98	91	551962	49.384	ppb	84
65) tert-Butylbenzene	9.28	119	505519	49.413	ppb	85
66) 1,2,4-Trimethylbenzene	9.33	105	591254	48.989	ppb	90
67) sec-Butylbenzene	9.49	105	681674	49.630	ppb	93
68) p-Isopropyltoluene	9.64	119	620109	49.497	ppb	91
69) 1,3-Dichlorobenzene	9.59	146	396205	49.179	ppb	96
70) 1,4-Dichlorobenzene	9.68	146	406078	48.863	ppb	95
71) 1,2-Dichlorobenzene	10.04	146	389080	49.178	ppb	94
72) 1,2-Dibromo-3-chloropr...	10.80	75	42942	51.800	ppb	# 58
73) 1,2,4-Trichlorobenzene	11.62	180	302079	50.734	ppb	98
74) Hexachlorobutadiene	11.81	225	116196	50.627	ppb	98
75) Naphthalene	11.86	128	766905	52.287	ppb	99
76) 1,2,3-Trichlorobenzene	12.10	180	289786	51.424	ppb	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110815.D
 Acq On : 8 Nov 2022 2:55 pm
 Operator : LM
 Sample : 50 ppb 8260 ICAL 67-177Q
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS4

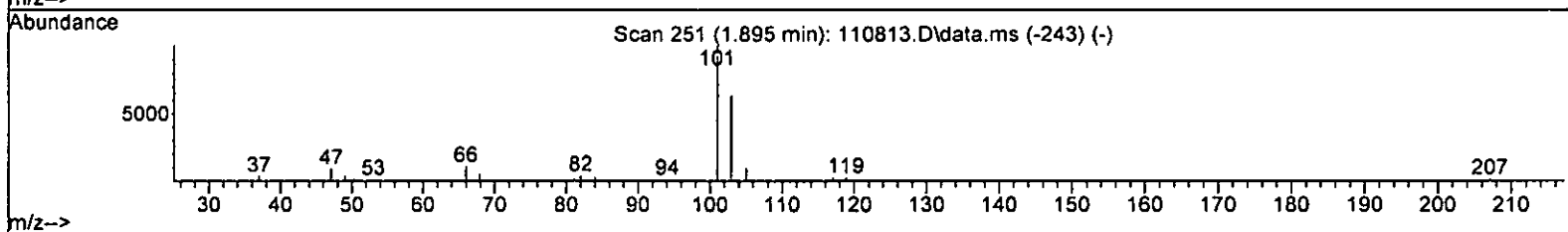
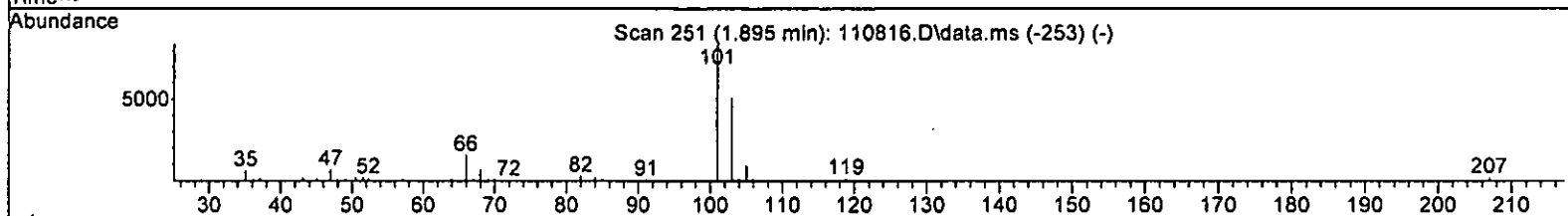
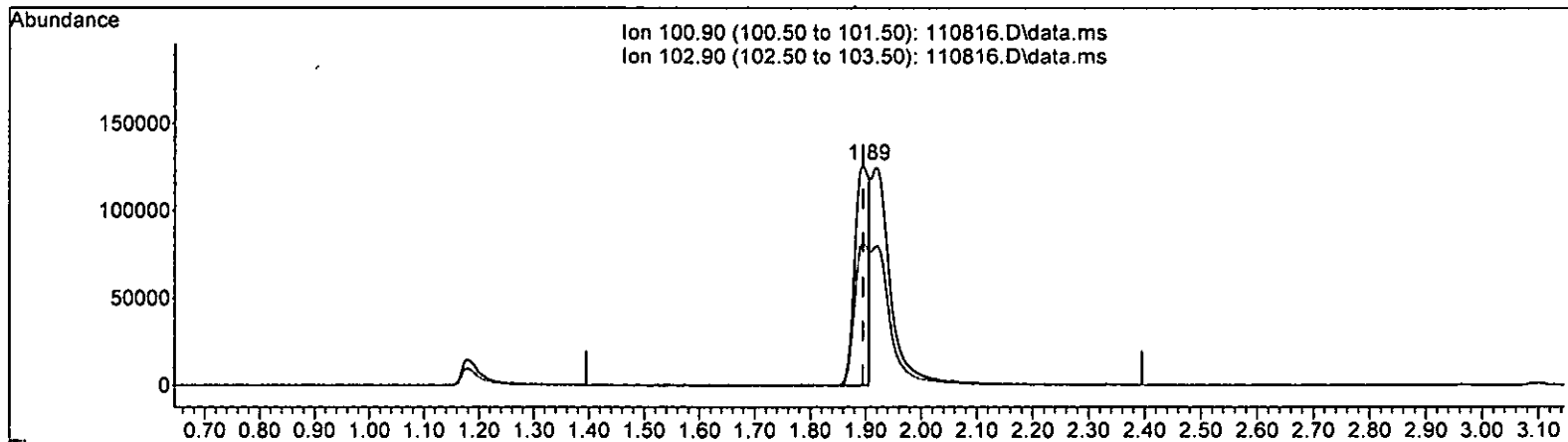
Quant Time: Nov 08 16:47:43 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110816.D
 Acq On : 8 Nov 2022 3:19 pm
 Operator : LM
 Sample : 100 ppb 8260 ICAL 67-1775
 Misc : soil/water
 ALS Vial : 14 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:45 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



TIC: 110816.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.895min (-0.000) 43.828 ppb

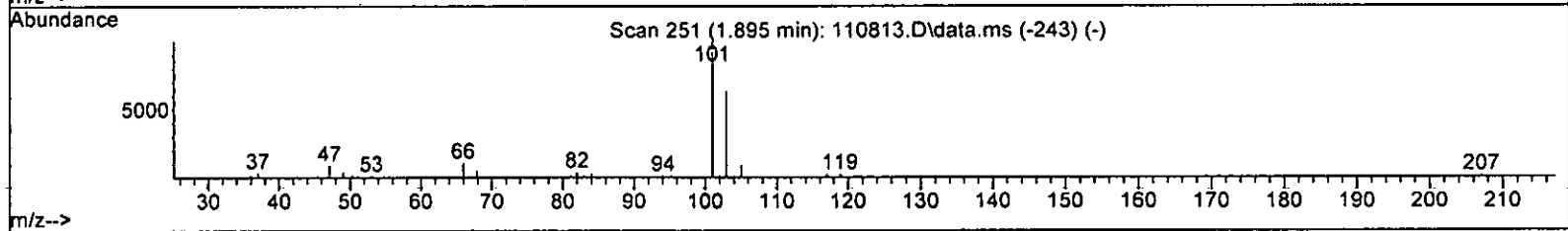
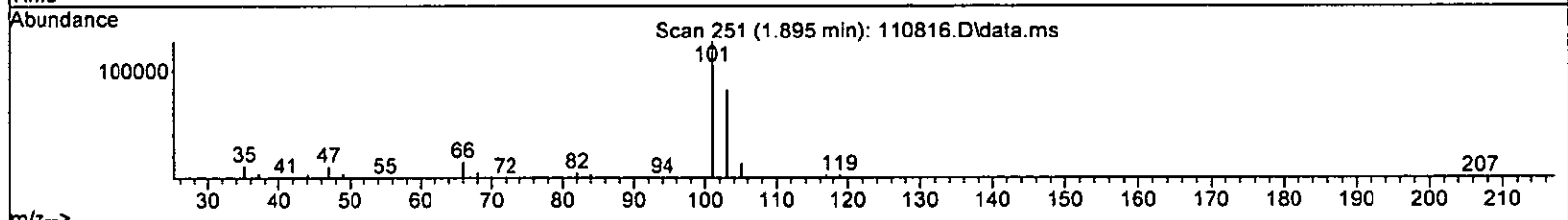
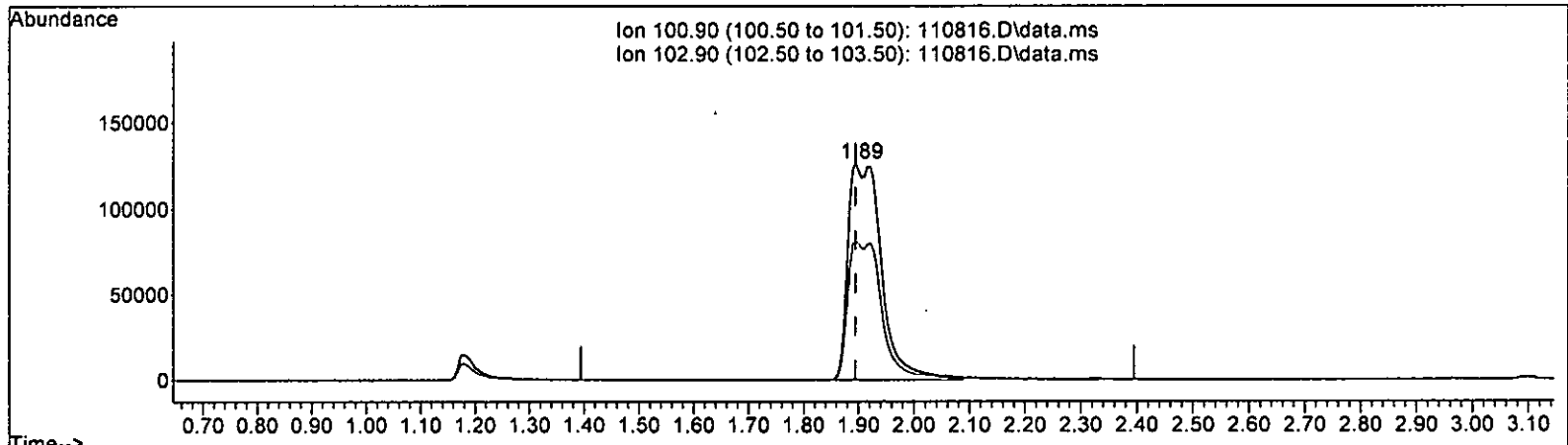
response 222077

Ion	Exp%	Act%
100.90	100.00	100.00
102.90	61.00	64.82
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110816.D
 Acq On : 8 Nov 2022 3:19 pm
 Operator : LM
 Sample : 100 ppb 8260 ICAL 67-177S
 Misc : soil/water
 ALS Vial : 14 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:45 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



TIC: 110816.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.895min (-0.000) 103.817 ppb m

response	526041
Ion	Exp% Act%
100.90	100.00 100.00
102.90	61.00 64.82
0.00	0.00 0.00
0.00	0.00 0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110816.D
 Acq On : 8 Nov 2022 3:19 pm
 Operator : LM
 Sample : 100 ppb 8260 ICAL 67-1775
 Misc : soil/water
 ALS Vial : 14 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:45 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I Fluorobenzene	10.000	10.000	0.0	100	0.00
2 TMP Ethanol	-1.000	0.000	0.0	100	0.00
3 S Dibromofluoromethane	10.000	9.982	0.2	100	0.00
4 TMP Dichlorodifluoromethane	100.000	105.023	-5.0	100	0.00
5 TMP Chloromethane	100.000	100.091	-0.1	100	0.00
6 TMP Vinyl chloride	100.000	105.570	-5.6	100	0.00
7 TMP Bromomethane	100.000	96.389	3.6	100	0.00
8 TMP Chloroethane	100.000	94.730	5.3	100	0.00
9 TMP Trichlorofluoromethane	100.000	103.817	-3.8	100	0.00
10 TMP 2-Propanol	-1.000	0.000	0.0	0	0.00
11 TMP Acetone	500.000	434.249	13.2	100	0.00
12 TMP 1,1-Dichloroethene	100.000	95.252	4.7	100	0.00
13 TMP Hexane	100.000	96.057	3.9	100	0.00
14 TMP Methylene chloride	100.000	101.987	-2.0	100	0.00
15 TMP t-Butyl alcohol (TBA)	500.000	502.749	-0.5	100	0.00
16 TMP Methyl t-butyl ether (MTBE)	100.000	100.931	-0.9	100	0.00
17 TMP trans-1,2-Dichloroethene	100.000	97.177	2.8	100	0.00
18 TMP Diisopropyl ether (DIPE)	100.000	99.558	0.4	100	0.00
19 TMP 1,1-Dichloroethane	100.000	98.993	1.0	100	0.00
20 TMP Ethyl t-butyl ether (ETBE)	100.000	101.717	-1.7	100	0.00
21 TMP 2,2-Dichloropropane	100.000	98.803	1.2	100	0.00
22 TMP cis-1,2-Dichloroethene	100.000	96.730	3.3	100	0.00
23 TMP Chloroform	100.000	100.511	-0.5	100	0.00
24 TMP 2-Butanone (MEK)	500.000	475.073	5.0	100	0.00
25 TMP t-Amyl methyl ether (TAME)	100.000	101.386	-1.4	100	0.00
26 TMP 1,2-Dichloroethane (EDC)	100.000	100.066	-0.1	100	0.00
27 TMP 1,1,1-Trichloroethane	100.000	100.003	-0.0	100	0.00
28 TMP 1,1-Dichloropropene	100.000	100.046	-0.0	100	0.00
29 TMP Carbon tetrachloride	100.000	103.206	-3.2	100	0.00
30 S 1,2-Dichloroethane-d4	10.000	9.880	1.2	100	0.00
31 TMP Benzene	100.000	100.236	-0.2	100	0.00
32 TMP Trichloroethene	100.000	95.995	4.0	100	0.00
33 TMP 1,2-Dichloropropane	100.000	103.419	-3.4	100	0.00
34 TMP Bromodichloromethane	100.000	103.621	-3.6	100	0.00
35 S Toluene-d8	10.000	10.059	-0.6	100	0.00
36 TMP Dibromomethane	100.000	102.211	-2.2	100	0.00
37 TMP 4-Methyl-2-pentanone	500.000	527.038	-5.4	100	0.00
38 TMP cis-1,3-Dichloropropene	100.000	103.435	-3.4	100	0.00
39 I Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40 TMP Toluene	100.000	99.805	0.2	100	0.00
41 TMP trans-1,3-Dichloropropene	100.000	103.055	-3.1	100	0.00
42 TMP 1,1,2-Trichloroethane	100.000	99.980	0.0	100	0.00
43 TMP 2-Hexanone	500.000	503.420	-0.7	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110816.D
 Acq On : 8 Nov 2022 3:19 pm
 Operator : LM
 Sample : 100 ppb 8260 ICAL 67-177S
 Misc : soil/water
 ALS Vial : 14 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:45 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	100.000	103.075	-3.1	100	0.00
45 TMP Tetrachloroethene	100.000	100.570	-0.6	100	0.00
46 TMP Dibromochloromethane	100.000	102.353	-2.4	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	100.000	101.431	-1.4	100	0.00
48 TMP Chlorobenzene	100.000	99.251	0.7	100	0.00
49 TMP Ethylbenzene	100.000	98.315	1.7	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	100.000	101.613	-1.6	100	0.00
51 TMP m,p-Xylene	200.000	200.512	-0.3	100	0.00
52 TMP o-Xylene	100.000	97.329	2.7	100	0.00
53 TMP Styrene	100.000	101.462	-1.5	100	0.00
54 TMP Isopropylbenzene	100.000	98.113	1.9	100	0.00
55 TMP Bromoform	100.000	103.290	-3.3	100	0.00
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	10.000	9.901	1.0	100	0.00
58 TMP n-Propylbenzene	100.000	99.118	0.9	100	0.00
59 TMP Bromobenzene	100.000	100.404	-0.4	100	0.00
60 TMP 1,3,5-Trimethylbenzene	100.000	102.196	-2.2	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	100.000	103.042	-3.0	100	0.00
62 TMP 1,2,3-Trichloropropane	100.000	100.038	-0.0	100	0.00
63 TMP 2-Chlorotoluene	100.000	99.668	0.3	100	0.00
64 TMP 4-Chlorotoluene	100.000	101.737	-1.7	100	0.00
65 TMP tert-Butylbenzene	100.000	100.657	-0.7	100	0.00
66 TMP 1,2,4-Trimethylbenzene	100.000	100.150	-0.2	100	0.00
67 TMP sec-Butylbenzene	100.000	101.025	-1.0	100	0.00
68 TMP p-Isopropyltoluene	100.000	101.272	-1.3	100	0.00
69 TMP 1,3-Dichlorobenzene	100.000	100.290	-0.3	100	0.00
70 TMP 1,4-Dichlorobenzene	100.000	99.443	0.6	100	0.00
71 TMP 1,2-Dichlorobenzene	100.000	101.263	-1.3	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	100.000	108.328	-8.3	100	0.00
73 TMP 1,2,4-Trichlorobenzene	100.000	102.969	-3.0	100	0.00
74 TMP Hexachlorobutadiene	100.000	102.239	-2.2	100	0.00
75 TMP Naphthalene	100.000	105.976	-6.0	100	0.00
76 TMP 1,2,3-Trichlorobenzene	100.000	103.818	-3.8	100	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110816.D
 Acq On : 8 Nov 2022 3:19 pm
 Operator : LM
 Sample : 100 ppb 8260 ICAL 67-1775
 Misc : soil/water
 ALS Vial : 14 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:45 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I Fluorobenzene	1.000	1.000	0.0	100	0.00
2 TMP Ethanol	0.000	0.000#	0.0	100	0.00
3 S Dibromofluoromethane	0.275	0.274	0.4	100	0.00
4 TMP Dichlorodifluoromethane	0.410	0.430	-4.9	100	0.00
5 TMP Chloromethane	0.380	0.380	0.0	100	0.00
6 TMP Vinyl chloride	0.360	0.380	-5.6	100	0.00
7 TMP Bromomethane	0.168	0.161	4.2	100	0.00
8 TMP Chloroethane	0.189	0.179	5.3	100	0.00
9 TMP Trichlorofluoromethane	0.562	0.583	-3.7	100	0.00
10 TMP 2-Propanol	0.000	0.000	0.0	0#	0.00
11 TMP Acetone	0.037	0.032	13.5	100	0.00
12 TMP 1,1-Dichloroethene	0.333	0.318	4.5	100	0.00
13 TMP Hexane	0.348	0.335	3.7	100	0.00
14 TMP Methylene chloride	0.369	0.324	12.2	100	0.00
15 TMP t-Butyl alcohol (TBA)	0.051	0.052	-2.0	100	0.00
16 TMP Methyl t-butyl ether (MTBE)	0.971	0.980	-0.9	100	0.00
17 TMP trans-1,2-Dichloroethene	0.353	0.343	2.8	100	0.00
18 TMP Diisopropyl ether (DIPE)	0.889	0.885	0.4	100	0.00
19 TMP 1,1-Dichloroethane	0.536	0.530	1.1	100	0.00
20 TMP Ethyl t-butyl ether (ETBE)	0.425	0.432	-1.6	100	0.00
21 TMP 2,2-Dichloropropane	0.352	0.319	9.4	100	0.00
22 TMP cis-1,2-Dichloroethene	0.382	0.369	3.4	100	0.00
23 TMP Chloroform	0.583	0.583	0.0	100	0.00
24 TMP 2-Butanone (MEK)	0.186	0.177	4.8	100	0.00
25 TMP t-Amyl methyl ether (TAME)	0.964	0.977	-1.3	100	0.00
26 TMP 1,2-Dichloroethane (EDC)	0.438	0.438	0.0	100	0.00
27 TMP 1,1,1-Trichloroethane	0.532	0.532	0.0	100	0.00
28 TMP 1,1-Dichloropropene	0.448	0.448	0.0	100	0.00
29 TMP Carbon tetrachloride	0.479	0.495	-3.3	100	0.00
30 S 1,2-Dichloroethane-d4	0.063	0.063	0.0	100	0.00
31 TMP Benzene	1.286	1.289	-0.2	100	0.00
32 TMP Trichloroethene	0.373	0.358	4.0	100	0.00
33 TMP 1,2-Dichloropropane	0.284	0.294	-3.5	100	0.00
34 TMP Bromodichloromethane	0.432	0.447	-3.5	100	0.00
35 S Toluene-d8	1.002	1.008	-0.6	100	0.00
36 TMP Dibromomethane	0.216	0.220	-1.9	100	0.00
37 TMP 4-Methyl-2-pentanone	0.077	0.081	-5.2	100	0.00
38 TMP cis-1,3-Dichloropropene	0.504	0.522	-3.6	100	0.00
39 I Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40 TMP Toluene	0.968	0.966	0.2	100	0.00
41 TMP trans-1,3-Dichloropropene	0.553	0.570	-3.1	100	0.00
42 TMP 1,1,2-Trichloroethane	0.293	0.293	0.0	100	0.00
43 TMP 2-Hexanone	0.320	0.323	-0.9	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110816.D
 Acq On : 8 Nov 2022 3:19 pm
 Operator : LM
 Sample : 100 ppb 8260 ICAL 67-1775
 Misc : soil/water
 ALS Vial : 14 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:45 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.560	0.577	-3.0	100	0.00
45 TMP Tetrachloroethene	0.431	0.433	-0.5	100	0.00
46 TMP Dibromochloromethane	0.429	0.470	-9.6	100	0.00
47 TMP 1,2-Dibromoethane (EOB)	0.398	0.404	-1.5	100	0.00
48 TMP Chlorobenzene	1.148	1.139	0.8	100	0.00
49 TMP Ethylbenzene	1.845	1.814	1.7	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.426	0.432	-1.4	100	0.00
51 TMP m,p-Xylene	0.746	0.748	-0.3	100	0.00
52 TMP o-Xylene	0.741	0.721	2.7	100	0.00
53 TMP Styrene	1.258	1.276	-1.4	100	0.00
54 TMP Isopropylbenzene	1.878	1.843	1.9	100	0.00
55 TMP Bromoform	0.362	0.406	-12.2	100	0.00
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	0.701	0.694	1.0	100	0.00
58 TMP n-Propylbenzene	3.165	3.137	0.9	100	0.00
59 TMP Bromobenzene	0.916	0.920	-0.4	100	0.00
60 TMP 1,3,5-Trimethylbenzene	2.336	2.388	-2.2	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.806	0.831	-3.1	100	0.00
62 TMP 1,2,3-Trichloropropane	0.610	0.611	-0.2	100	0.00
63 TMP 2-Chlorotoluene	1.890	1.883	0.4	100	0.00
64 TMP 4-Chlorotoluene	2.253	2.292	-1.7	100	0.00
65 TMP tert-Butylbenzene	2.062	2.076	-0.7	100	0.00
66 TMP 1,2,4-Trimethylbenzene	2.433	2.437	-0.2	100	0.00
67 TMP sec-Butylbenzene	2.769	2.797	-1.0	100	0.00
68 TMP p-Isopropyltoluene	2.526	2.558	-1.3	100	0.00
69 TMP 1,3-Dichlorobenzene	1.624	1.629	-0.3	100	0.00
70 TMP 1,4-Dichlorobenzene	1.675	1.666	0.5	100	0.00
71 TMP 1,2-Dichlorobenzene	1.595	1.615	-1.3	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	0.167	0.181	-8.4	100	0.00
73 TMP 1,2,4-Trichlorobenzene	1.200	1.236	-3.0	100	0.00
74 TMP Hexachlorobutadiene	0.463	0.473	-2.2	100	0.00
75 TMP Naphthalene	2.957	3.133	-6.0	100	0.00
76 TMP 1,2,3-Trichlorobenzene	1.136	1.179	-3.8	100	0.00

(#) = Out of Range

SPCC's out = 1 CCC's out = 0

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110816.D
 Acq On : 8 Nov 2022 3:19 pm
 Operator : LM
 Sample : 100 ppb 8260 ICAL 67-177S
 Misc : soil/water
 ALS Vial : 14 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:45 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	4.78	96	90209	10.000	ppb	0.00
39) Chlorobenzene-d5	7.43	117	77727	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.65	152	50521	10.000	ppb	# 0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.21	113	24754	9.982	ppb	0.00
Spiked Amount	10.000	Range	0 - 1000	Recovery	=	99.80%
30) 1,2-Dichloroethane-d4	4.49	102	5659	9.880	ppb	0.00
Spiked Amount	10.000	Range	90 - 109	Recovery	=	98.80%
35) Toluene-d8	6.14	98	90899	10.059	ppb	0.00
Spiked Amount	10.000	Range	89 - 112	Recovery	=	100.60%
57) 4-Bromofluorobenzene	8.54	95	35078	9.901	ppb	0.00
Spiked Amount	10.000	Range	84 - 115	Recovery	=	99.00%
Target Compounds						
						Qvalue
2) Ethanol	1.07	45	3477	No Calib		
4) Dichlorodifluoromethane	1.18	85	388073	105.023	ppb	94
5) Chloromethane	1.32	50	342904	100.091	ppb	98
6) Vinyl chloride	1.40	62	343106	105.570	ppb	99
7) Bromomethane	1.63	94	145665	96.389	ppb	96
8) Chloroethane	1.70	64	161462	94.730	ppb	97
9) Trichlorofluoromethane	1.89	101	526041m	103.817	ppb	
10) 2-Propanol	2.99	45	43581	No Calib		
11) Acetone	2.39	58	143031	434.249	ppb	99
12) 1,1-Dichloroethene	2.32	96	286455	95.252	ppb	# 81
13) Hexane	3.21	57	301980	96.057	ppb	95
14) Methylene chloride	2.74	84	292512	101.987	ppb	86
15) t-Butyl alcohol (TBA)	2.87	59	232366	502.749	ppb	88
16) Methyl t-butyl ether (...)	2.99	73	884496	100.931	ppb	97
17) trans-1,2-Dichloroethene	2.97	96	309333	97.177	ppb	86
18) Diisopropyl ether (DIPE)	3.40	45	798020	99.558	ppb	94
19) 1,1-Dichloroethane	3.32	63	478445	98.993	ppb	98
20) Ethyl t-butyl ether (E...)	3.70	87	389953	101.717	ppb	85
21) 2,2-Dichloropropane	3.81	77	287714	98.803	ppb	97
22) cis-1,2-Dichloroethene	3.81	96	333322	96.730	ppb	# 81
23) Chloroform	4.08	83	525861	100.511	ppb	99
24) 2-Butanone (MEK)	3.83	43	797553	475.073	ppb	95
25) t-Amyl methyl ether (T...)	4.65	73	881321	101.386	ppb	99
26) 1,2-Dichloroethane (EDC)	4.56	62	395528	100.066	ppb	95
27) 1,1,1-Trichloroethane	4.23	97	480273	100.003	ppb	94
28) 1,1-Dichloropropene	4.37	75	404433	100.046	ppb	91
29) Carbon tetrachloride	4.37	117	446189	103.206	ppb	93
31) Benzene	4.54	78	1162480	100.236	ppb	95
32) Trichloroethene	5.09	95	322900	95.995	ppb	79
33) 1,2-Dichloropropane	5.28	63	265341	103.419	ppb	96
34) Bromodichloromethane	5.51	83	403512	103.621	ppb	97
36) Dibromomethane	5.37	93	198910	102.211	ppb	84

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110816.D
 Acq On : 8 Nov 2022 3:19 pm
 Operator : LM
 Sample : 100 ppb 8260 ICAL 67-177S
 Misc : soil/water
 ALS Vial : 14 Sample Multiplier: 1
 InstName : GCMS4

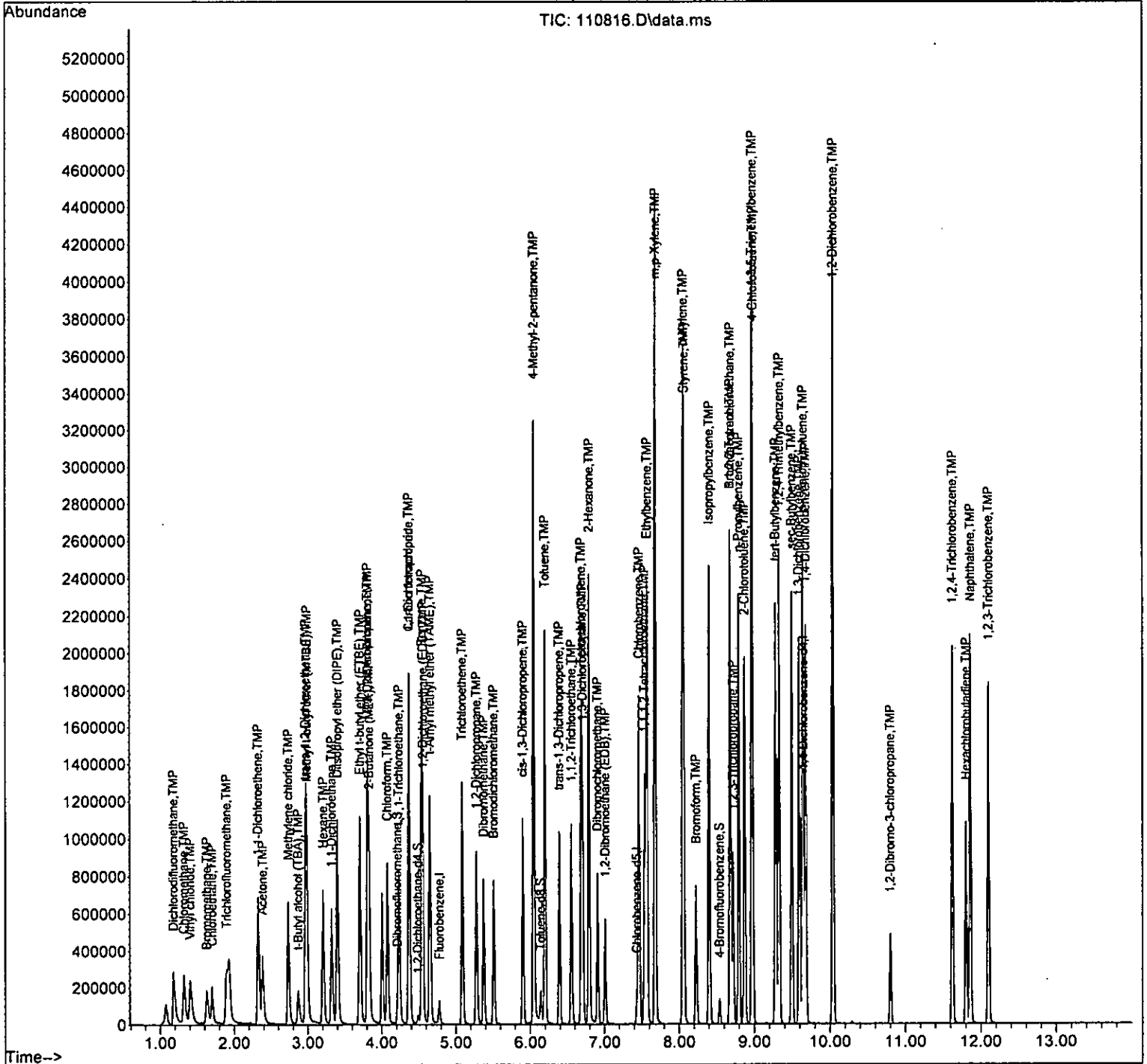
Quant Time: Nov 08 16:47:45 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	6.05	85	365575	527.038	ppb	# 77
38) cis-1,3-Dichloropropene	5.90	75	470466	103.435	ppb	94
40) Toluene	6.20	92	750706	99.805	ppb	99
41) trans-1,3-Dichloropropene	6.39	75	442865	103.055	ppb	95
42) 1,1,2-Trichloroethane	6.56	83	227763	99.980	ppb	88
43) 2-Hexanone	6.79	43	1253821	503.420	ppb	95
44) 1,3-Dichloropropane	6.70	76	448818	103.075	ppb	99
45) Tetrachloroethene	6.69	164	336789	100.570	ppb	98
46) Dibromochloromethane	6.91	129	365527	102.353	ppb	99
47) 1,2-Dibromoethane (EDB)	7.01	107	313938	101.431	ppb	98
48) Chlorobenzene	7.47	112	885680	99.251	ppb	88
49) Ethylbenzene	7.57	91	1410043	98.315	ppb	93
50) 1,1,1,2-Tetrachloroethane	7.54	131	336104	101.613	ppb	96
51) m,p-Xylene	7.68	106	1162563	200.512	ppb	89
52) o-Xylene	8.05	106	560722	97.329	ppb	90
53) Styrene	8.06	104	992092	101.462	ppb	87
54) Isopropylbenzene	8.40	105	1432180	98.113	ppb	95
55) Bromoform	8.22	173	315757	103.290	ppb	98
58) n-Propylbenzene	8.79	91	1585005	99.118	ppb	94
59) Bromobenzene	8.68	156	464555	100.404	ppb	# 85
60) 1,3,5-Trimethylbenzene	8.97	105	1206215	102.196	ppb	89
61) 1,1,2,2-Tetrachloroethane	8.68	83	419631	103.042	ppb	97
62) 1,2,3-Trichloropropane	8.72	75	308533	100.038	ppb	100
63) 2-Chlorotoluene	8.87	91	951436	99.668	ppb	87
64) 4-Chlorotoluene	8.98	91	1158101	101.737	ppb	84
65) tert-Butylbenzene	9.28	119	1048786	100.657	ppb	86
66) 1,2,4-Trimethylbenzene	9.33	105	1231028	100.150	ppb	92
67) sec-Butylbenzene	9.49	105	1413201	101.025	ppb	93
68) p-Isopropyltoluene	9.64	119	1292181	101.272	ppb	91
69) 1,3-Dichlorobenzene	9.59	146	822900	100.290	ppb	96
70) 1,4-Dichlorobenzene	9.68	146	841681	99.443	ppb	94
71) 1,2-Dichlorobenzene	10.04	146	815960	101.263	ppb	94
72) 1,2-Dibromo-3-chloropr...	10.80	75	91462	108.328	ppb	# 64
73) 1,2,4-Trichlorobenzene	11.62	180	624412	102.969	ppb	98
74) Hexachlorobutadiene	11.81	225	238986	102.239	ppb	98
75) Naphthalene	11.86	128	1583066	105.976	ppb	99
76) 1,2,3-Trichlorobenzene	12.10	180	595837	103.818	ppb	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110816.D
 Acq On : 8 Nov 2022 3:19 pm
 Operator : LM
 Sample : 100 ppb 8260 ICAL 67-177S
 Misc : soil/water
 ALS Vial : 14 Sample Multiplier: 1
 InstName : GCMS4

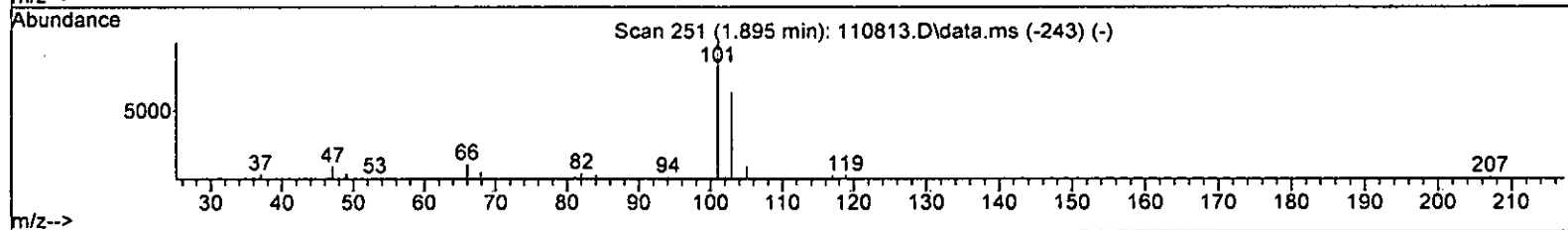
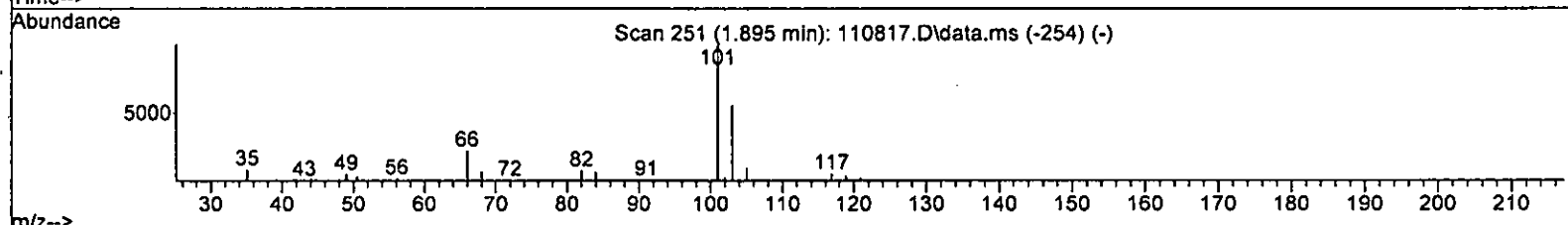
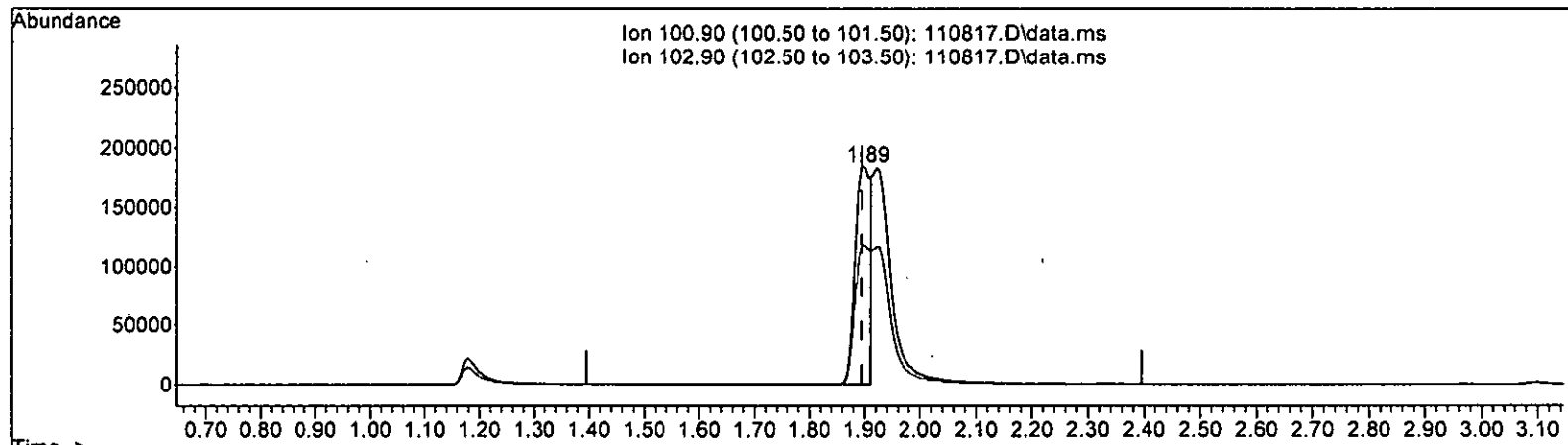
Quant Time: Nov 08 16:47:45 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110817.D
 Acq On : 8 Nov 2022 3:43 pm
 Operator : LM
 Sample : 150 ppb 8260 ICAL 67-177T
 Misc : soil/water
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:47 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



TIC: 110817.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.895min (-0.000) 70.941 ppb

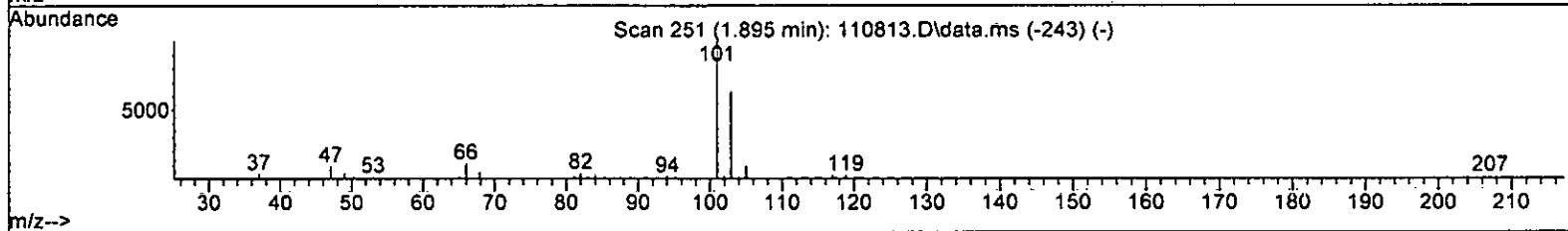
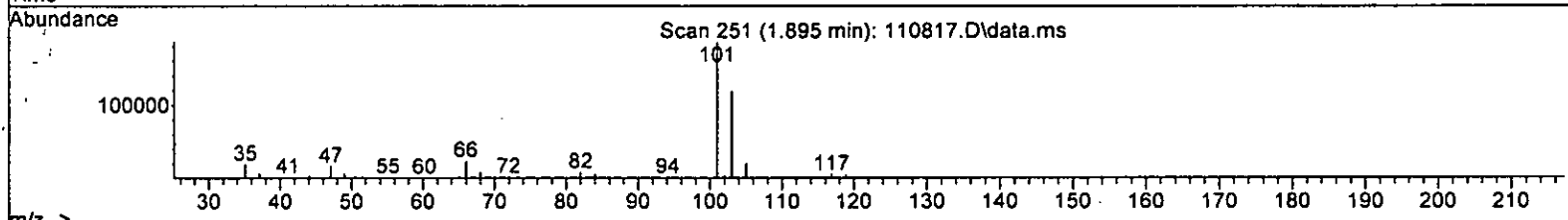
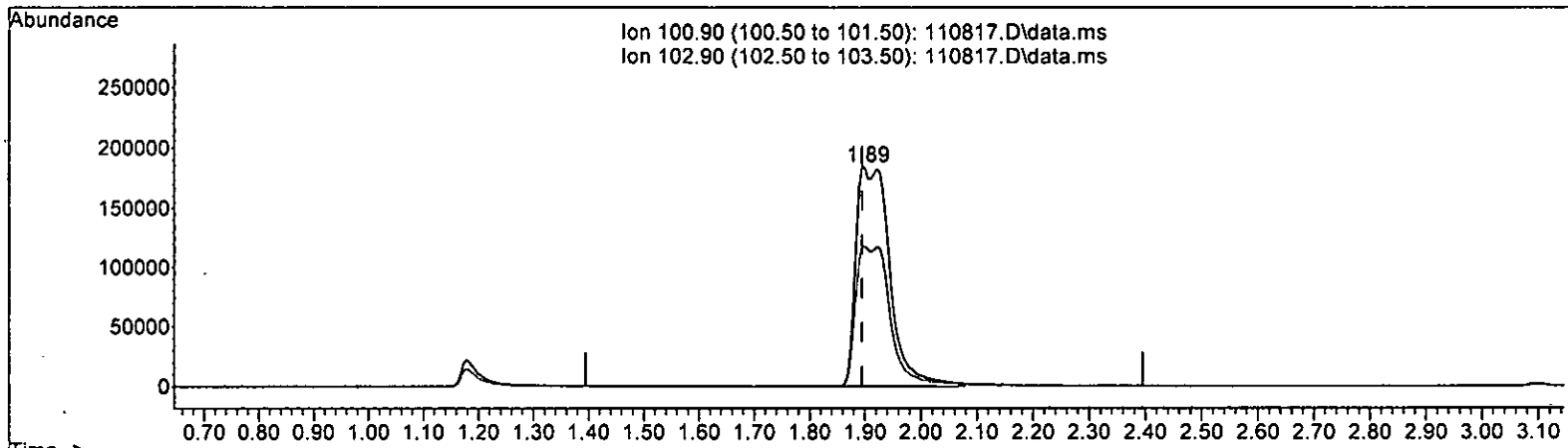
response 347724

Ion	Exp%	Act%
100.90	100.00	100.00
102.90	61.00	64.13
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110817.D
 Acq On : 8 Nov 2022 3:43 pm
 Operator : LM
 Sample : 150 ppb 8260 ICAL 67-177T
 Misc : soil/water
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:47 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



TIC: 110817.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.895min (-0.000) 157.171 ppb m

response 770394

Ion	Exp%	Act%
100.90	100.00	100.00
102.90	61.00	64.13
0.00	0.00	0.00
0.00	0.00	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110817.D
 Acq On : 8 Nov 2022 3:43 pm
 Operator : LM
 Sample : 150 ppb 8260 ICAL 67-177T
 Misc : soil/water
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:47 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I Fluorobenzene	10.000	10.000	0.0	100	0.00
2 TMP Ethanol	-1.000	0.000	0.0	100	0.01
3 S Dibromofluoromethane	10.000	10.127	-1.3	100	0.00
4 TMP Dichlorodifluoromethane	150.000	160.779	-7.2	100	0.00
5 TMP Chloromethane	150.000	148.531	1.0	100	0.00
6 TMP Vinyl chloride	150.000	159.278	-6.2	100	0.00
7 TMP Bromomethane	-1.000	222.203	0.0	0	0.00
8 TMP Chloroethane	150.000	157.706	-5.1	100	0.00
9 TMP Trichlorofluoromethane	150.000	157.171	-4.8	100	0.00
10 TMP 2-Propanol	-1.000	0.000	0.0	0	0.00
11 TMP Acetone	750.000	803.076	-7.1	100	0.00
12 TMP 1,1-Dichloroethene	150.000	142.474	5.0	100	0.00
13 TMP Hexane	150.000	141.811	5.5	100	0.00
14 TMP Methylene chloride	150.000	152.590	-1.7	100	0.00
15 TMP t-Butyl alcohol (TBA)	750.000	733.923	2.1	100	0.00
16 TMP Methyl t-butyl ether (MTBE)	150.000	153.425	-2.3	100	0.00
17 TMP trans-1,2-Dichloroethene	150.000	145.930	2.7	100	0.00
18 TMP Diisopropyl ether (DIPE)	150.000	150.383	-0.3	100	0.00
19 TMP 1,1-Dichloroethane	150.000	148.989	0.7	100	0.00
20 TMP Ethyl t-butyl ether (ETBE)	150.000	150.798	-0.5	100	0.00
21 TMP 2,2-Dichloropropane	150.000	147.839	1.4	100	0.00
22 TMP cis-1,2-Dichloroethene	150.000	146.157	2.6	100	0.00
23 TMP Chloroform	150.000	150.273	-0.2	100	0.00
24 TMP 2-Butanone (MEK)	750.000	831.242	-10.8	100	0.00
25 TMP t-Amyl methyl ether (TAME)	150.000	150.248	-0.2	100	0.00
26 TMP 1,2-Dichloroethane (EDC)	150.000	147.961	1.4	100	0.00
27 TMP 1,1,1-Trichloroethane	150.000	149.626	0.2	100	0.00
28 TMP 1,1-Dichloropropane	150.000	149.577	0.3	100	0.00
29 TMP Carbon tetrachloride	150.000	154.332	-2.9	100	0.00
30 S 1,2-Dichloroethane-d4	10.000	9.950	0.5	100	0.00
31 TMP Benzene	150.000	149.122	0.6	100	0.00
32 TMP Trichloroethene	150.000	157.173	-4.8	100	0.00
33 TMP 1,2-Dichloropropane	150.000	153.516	-2.3	100	0.00
34 TMP Bromodichloromethane	150.000	155.296	-3.5	100	0.00
35 S Toluene-d8	10.000	10.148	-1.5	100	0.00
36 TMP Dibromomethane	150.000	151.439	-1.0	100	0.00
37 TMP 4-Methyl-2-pentanone	750.000	769.200	-2.6	100	0.00
38 TMP cis-1,3-Dichloropropene	150.000	154.670	-3.1	100	0.00
39 I Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40 TMP Toluene	150.000	150.461	-0.3	100	0.00
41 TMP trans-1,3-Dichloropropene	150.000	152.634	-1.8	100	0.00
42 TMP 1,1,2-Trichloroethane	150.000	147.481	1.7	100	0.00
43 TMP 2-Hexanone	750.000	741.346	1.2	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110817.D
 Acq On : 8 Nov 2022 3:43 pm
 Operator : LM
 Sample : 150 ppb 8260 ICAL 67-177T
 Misc : soil/water
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:47 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	150.000	151.813	-1.2	100	0.00
45 TMP Tetrachloroethene	150.000	150.063	-0.0	100	0.00
46 TMP Dibromochloromethane	150.000	149.415	0.4	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	150.000	150.342	-0.2	100	0.00
48 TMP Chlorobenzene	150.000	148.630	0.9	100	0.00
49 TMP Ethylbenzene	150.000	147.471	1.7	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	150.000	153.290	-2.2	100	0.00
51 TMP m,p-Xylene	300.000	301.563	-0.5	100	0.00
52 TMP o-Xylene	150.000	148.379	1.1	100	0.00
53 TMP Styrene	150.000	153.291	-2.2	100	0.00
54 TMP Isopropylbenzene	150.000	149.367	0.4	100	0.00
55 TMP Bromoform	150.000	149.635	0.2	100	0.00
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	10.000	9.965	0.4	100	0.00
58 TMP n-Propylbenzene	150.000	144.973	3.4	100	0.00
59 TMP Bromobenzene	150.000	145.203	3.2	100	0.00
60 TMP 1,3,5-Trimethylbenzene	150.000	151.604	-1.1	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	150.000	132.623	11.6	100	0.00
62 TMP 1,2,3-Trichloropropane	150.000	142.849	4.8	100	0.00
63 TMP 2-Chlorotoluene	150.000	146.287	2.5	100	0.00
64 TMP 4-Chlorotoluene	150.000	149.830	0.1	100	0.00
65 TMP tert-Butylbenzene	150.000	147.958	1.4	100	0.00
66 TMP 1,2,4-Trimethylbenzene	150.000	148.311	1.1	100	0.00
67 TMP sec-Butylbenzene	150.000	148.170	1.2	100	0.00
68 TMP p-Isopropyltoluene	150.000	148.719	0.9	100	0.00
69 TMP 1,3-Dichlorobenzene	150.000	147.521	1.7	100	0.00
70 TMP 1,4-Dichlorobenzene	150.000	148.091	1.3	100	0.00
71 TMP 1,2-Dichlorobenzene	150.000	149.796	0.1	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	150.000	156.965	-4.6	100	0.00
73 TMP 1,2,4-Trichlorobenzene	150.000	140.944	6.0	100	0.00
74 TMP Hexachlorobutadiene	150.000	135.805	9.5	100	0.00
75 TMP Naphthalene	150.000	147.126	1.9	100	0.00
76 TMP 1,2,3-Trichlorobenzene	150.000	139.550	7.0	100	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110817.D
 Acq On : 8 Nov 2022 3:43 pm
 Operator : LM
 Sample : 150 ppb 8260 ICAL 67-177T
 Misc : soil/water
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:47 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I Fluorobenzene	1.000	1.000	0.0	100	0.00
2 TMP Ethanol	0.000	0.000#	0.0	100	0.01
3 S Dibromofluoromethane	0.275	0.278	-1.1	100	0.00
4 TMP Dichlorodifluoromethane	0.410	0.439	-7.1	100	0.00
5 TMP Chloromethane	0.380	0.376	1.1	100	0.00
6 TMP Vinyl chloride	0.360	0.383	-6.4	100	0.00
7 TMP Bromomethane	0.168	0.000#	100.0#	0#	0.00
8 TMP Chloroethane	0.189	0.199	-5.3	100	0.00
9 TMP Trichlorofluoromethane	0.562	0.589	-4.8	100	0.00
10 TMP 2-Propanol	0.000	0.000	0.0	0#	0.00
11 TMP Acetone	0.037	0.052	-40.5#	100	0.00
12 TMP 1,1-Dichloroethene	0.333	0.317	4.8	100	0.00
13 TMP Hexane	0.348	0.329	5.5	100	0.00
14 TMP Methylene chloride	0.369	0.322	12.7	100	0.00
15 TMP t-Butyl alcohol (TBA)	0.051	0.050	2.0	100	0.00
16 TMP Methyl t-butyl ether (MTBE)	0.971	0.994	-2.4	100	0.00
17 TMP trans-1,2-Dichloroethene	0.353	0.343	2.8	100	0.00
18 TMP Diisopropyl ether (DIPE)	0.889	0.891	-0.2	100	0.00
19 TMP 1,1-Dichloroethane	0.536	0.532	0.7	100	0.00
20 TMP Ethyl t-butyl ether (ETBE)	0.425	0.427	-0.5	100	0.00
21 TMP 2,2-Dichloropropane	0.352	0.308	12.5	100	0.00
22 TMP cis-1,2-Dichloroethene	0.382	0.372	2.6	100	0.00
23 TMP Chloroform	0.583	0.581	0.3	100	0.00
24 TMP 2-Butanone (MEK)	0.186	0.206	-10.8	100	0.00
25 TMP t-Amyl methyl ether (TAME)	0.964	0.965	-0.1	100	0.00
26 TMP 1,2-Dichloroethane (EDC)	0.438	0.432	1.4	100	0.00
27 TMP 1,1,1-Trichloroethane	0.532	0.531	0.2	100	0.00
28 TMP 1,1-Dichloropropene	0.448	0.447	0.2	100	0.00
29 TMP Carbon tetrachloride	0.479	0.493	-2.9	100	0.00
30 S 1,2-Dichloroethane-d4	0.063	0.063	0.0	100	0.00
31 TMP Benzene	1.286	1.278	0.6	100	0.00
32 TMP Trichloroethene	0.373	0.391	-4.8	100	0.00
33 TMP 1,2-Dichloropropane	0.284	0.291	-2.5	100	0.00
34 TMP Bromodichloromethane	0.432	0.447	-3.5	100	0.00
35 S Toluene-d8	1.002	1.017	-1.5	100	0.00
36 TMP Dibromomethane	0.216	0.218	-0.9	100	0.00
37 TMP 4-Methyl-2-pentanone	0.077	0.079	-2.6	100	0.00
38 TMP cis-1,3-Dichloropropene	0.504	0.520	-3.2	100	0.00
39 I Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40 TMP Toluene	0.968	0.971	-0.3	100	0.00
41 TMP trans-1,3-Dichloropropene	0.553	0.563	-1.8	100	0.00
42 TMP 1,1,2-Trichloroethane	0.293	0.288	1.7	100	0.00
43 TMP 2-Hexanone	0.320	0.317	0.9	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110817.D
 Acq On : 8 Nov 2022 3:43 pm
 Operator : LM
 Sample : 150 ppb 8260 ICAL 67-177T
 Misc : soil/water
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:47 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.560	0.567	-1.2	100	0.00
45 TMP Tetrachloroethene	0.431	0.431	0.0	100	0.00
46 TMP Dibromochloromethane	0.429	0.476	-11.0	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	0.398	0.399	-0.3	100	0.00
48 TMP Chlorobenzene	1.148	1.138	0.9	100	0.00
49 TMP Ethylbenzene	1.845	1.814	1.7	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.426	0.435	-2.1	100	0.00
51 TMP m,p-Xylene	0.746	0.750	-0.5	100	0.00
52 TMP o-Xylene	0.741	0.733	1.1	100	0.00
53 TMP Styrene	1.258	1.286	-2.2	100	0.00
54 TMP Isopropylbenzene	1.878	1.870	0.4	100	0.00
55 TMP Bromoform	0.362	0.418	-15.5	100	0.00
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	0.701	0.699	0.3	100	0.00
58 TMP n-Propylbenzene	3.165	3.059	3.3	100	0.00
59 TMP Bromobenzene	0.916	0.887	3.2	100	0.00
60 TMP 1,3,5-Trimethylbenzene	2.336	2.361	-1.1	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.806	0.713	11.5	100	0.00
62 TMP 1,2,3-Trichloropropane	0.610	0.581	4.8	100	0.00
63 TMP 2-Chlorotoluene	1.890	1.843	2.5	100	0.00
64 TMP 4-Chlorotoluene	2.253	2.251	0.1	100	0.00
65 TMP tert-Butylbenzene	2.062	2.034	1.4	100	0.00
66 TMP 1,2,4-Trimethylbenzene	2.433	2.406	1.1	100	0.00
67 TMP sec-Butylbenzene	2.769	2.735	1.2	100	0.00
68 TMP p-Isopropyltoluene	2.526	2.504	0.9	100	0.00
69 TMP 1,3-Dichlorobenzene	1.624	1.597	1.7	100	0.00
70 TMP 1,4-Dichlorobenzene	1.675	1.654	1.3	100	0.00
71 TMP 1,2-Dichlorobenzene	1.595	1.593	0.1	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	0.167	0.175	-4.8	100	0.00
73 TMP 1,2,4-Trichlorobenzene	1.200	1.128	6.0	100	0.00
74 TMP Hexachlorobutadiene	0.463	0.419	9.5	100	0.00
75 TMP Naphthalene	2.957	2.900	1.9	100	0.00
76 TMP 1,2,3-Trichlorobenzene	1.136	1.057	7.0	100	0.00

(#) = Out of Range

SPCC's out = 2 CCC's out = 0

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110817.D
 Acq On : 8 Nov 2022 3:43 pm
 Operator : LM
 Sample : 150 ppb 8260 ICAL 67-177T
 Misc : soil/water
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:47 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	4.78	96	87265	10.000	ppb	0.00	
39) Chlorobenzene-d5	7.43	117	74546	10.000	ppb	0.00	
56) 1,4-Dichlorobenzene-d4	9.66	152	50457	10.000	ppb	# 0.00	
System Monitoring Compounds							
3) Dibromofluoromethane	4.21	113	24293	10.127	ppb	0.00	
Spiked Amount	10.000	Range	0 - 1000	Recovery	=	101.30%	
30) 1,2-Dichloroethane-d4	4.49	102	5513	9.950	ppb	0.00	
Spiked Amount	10.000	Range	90 - 109	Recovery	=	99.50%	
35) Toluene-d8	6.14	98	88713	10.148	ppb	0.00	
Spiked Amount	10.000	Range	89 - 112	Recovery	=	101.50%	
57) 4-Bromofluorobenzene	8.54	95	35262	9.965	ppb	0.00	
Spiked Amount	10.000	Range	84 - 115	Recovery	=	99.70%	
Target Compounds							
2) Ethanol	1.08	45	1012	No Calib	#		
4) Dichlorodifluoromethane	1.18	85	574708	160.779	ppb	94	
5) Chloromethane	1.32	50	492248	148.531	ppb	99	
6) Vinyl chloride	1.40	62	500765	159.278	ppb	100	
7) Bromomethane	1.63	94	324838	222.203	ppb	93	
8) Chloroethane	1.70	64	260028	157.706	ppb	97	
9) Trichlorofluoromethane	1.89	101	770394m	157.171	ppb		
10) 2-Propanol	2.98	45	62342	No Calib			
11) Acetone	2.39	58	341517	803.076	ppb	95	
12) 1,1-Dichloroethene	2.33	96	414485	142.474	ppb	# 78	
13) Hexane	3.21	57	431268	141.811	ppb	95	
14) Methylene chloride	2.74	84	421186	152.590	ppb	86	
15) t-Butyl alcohol (TBA)	2.87	59	328142	733.923	ppb	90	
16) Methyl t-butyl ether (...)	2.98	73	1300634	153.425	ppb	96	
17) trans-1,2-Dichloroethene	2.97	96	449363	145.930	ppb	# 82	
18) Diisopropyl ether (DIPE)	3.40	45	1166073	150.383	ppb	93	
19) 1,1-Dichloroethane	3.32	63	696583	148.989	ppb	98	
20) Ethyl t-butyl ether (E...)	3.70	87	559249	150.798	ppb	84	
21) 2,2-Dichloropropane	3.81	77	403341	147.839	ppb	97	
22) cis-1,2-Dichloroethene	3.81	96	487204	146.157	ppb	# 82	
23) Chloroform	4.08	83	760523	150.273	ppb	99	
24) 2-Butanone (MEK)	3.83	43	1349946	831.242	ppb	95	
25) t-Amyl methyl ether (T...)	4.65	73	1263441	150.248	ppb	99	
26) 1,2-Dichloroethane (EDC)	4.56	62	565757	147.961	ppb	95	
27) 1,1,1-Trichloroethane	4.23	97	695143	149.626	ppb	94	
28) 1,1-Dichloropropene	4.37	75	584925	149.577	ppb	92	
29) Carbon tetrachloride	4.37	117	645448	154.332	ppb	92	
31) Benzene	4.54	78	1672993	149.122	ppb	94	
32) Trichloroethene	5.09	95	511431	157.173	ppb	# 76	
33) 1,2-Dichloropropane	5.28	63	381020	153.516	ppb	96	
34) Bromodichloromethane	5.51	83	585005	155.296	ppb	96	
36) Dibromomethane	5.37	93	285094	151.439	ppb	84	

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110817.D
 Acq On : 8 Nov 2022 3:43 pm
 Operator : LM
 Sample : 150 ppb 8260 ICAL 67-177T
 Misc : soil/water
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS4

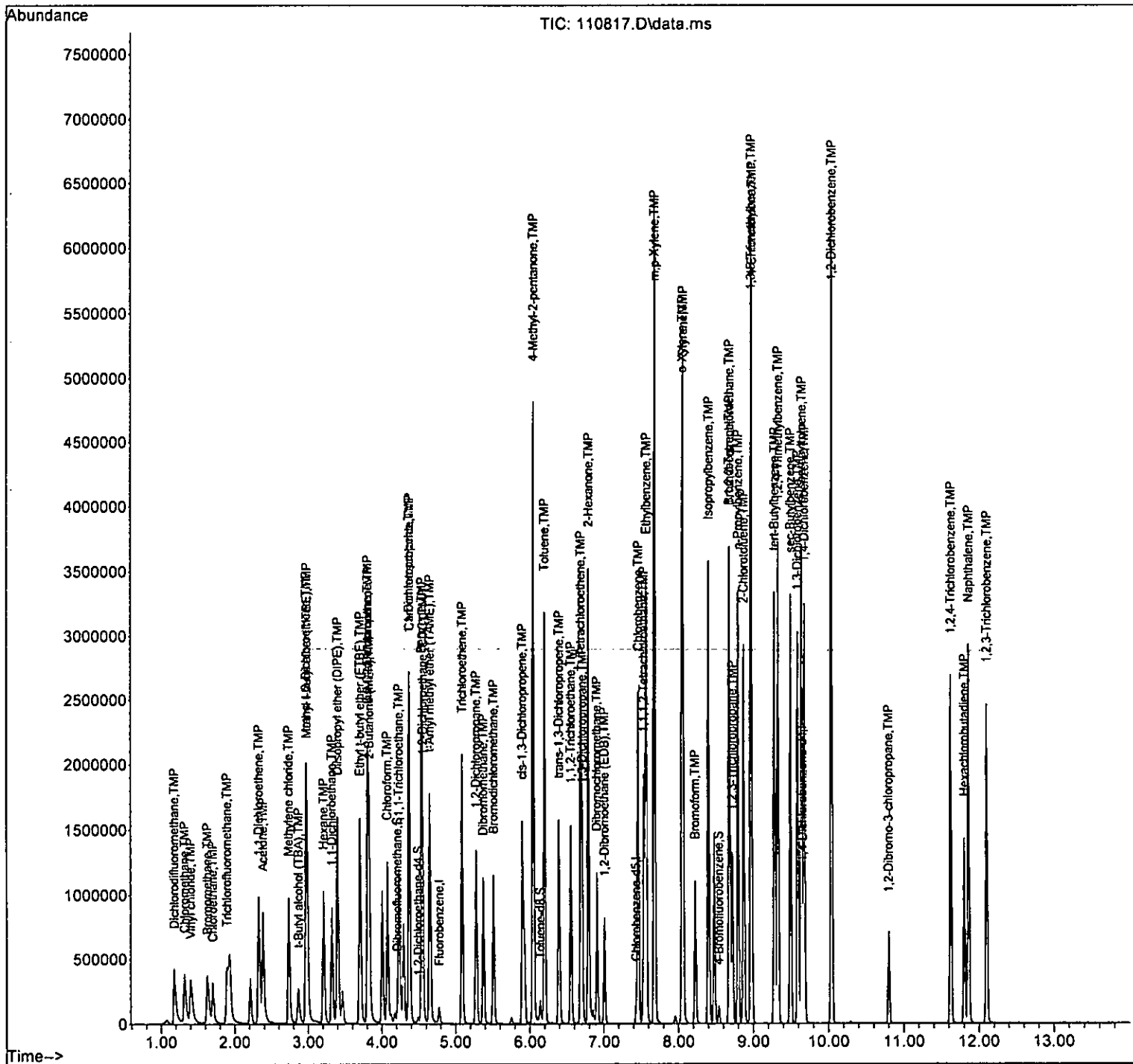
Quant Time: Nov 08 16:47:47 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	6.05	85	516136	769.200	ppb	# 77
38) cis-1,3-Dichloropropene	5.90	75	680547	154.670	ppb	94
40) Toluene	6.20	92	1085409	150.461	ppb	98
41) trans-1,3-Dichloropropene	6.39	75	629083	152.634	ppb	95
42) 1,1,2-Trichloroethane	6.55	83	322225	147.481	ppb	89
43) 2-Hexanone	6.79	43	1770836	741.346	ppb	95
44) 1,3-Dichloropropane	6.71	76	633988	151.813	ppb	99
45) Tetrachloroethene	6.69	164	481966	150.063	ppb	99
46) Dibromochloromethane	6.91	129	532565	149.415	ppb	100
47) 1,2-Dibromoethane (EDB)	7.01	107	446276	150.342	ppb	96
48) Chlorobenzene	7.47	112	1272043	148.630	ppb	88
49) Ethylbenzene	7.57	91	2028479	147.471	ppb	93
50) 1,1,1,2-Tetrachloroethane	7.54	131	486283	153.290	ppb	97
51) m,p-Xylene	7.68	106	1676896	301.563	ppb	90
52) o-Xylene	8.05	106	819845	148.379	ppb	88
53) Styrene	8.06	104	1437539	153.291	ppb	90
54) Isopropylbenzene	8.40	105	2091106	149.367	ppb	94
55) Bromoform	8.22	173	466928	149.635	ppb	98
58) n-Propylbenzene	8.80	91	2315334	144.973	ppb	92
59) Bromobenzene	8.68	156	670981	145.203	ppb	85
60) 1,3,5-Trimethylbenzene	8.97	105	1787109	151.604	ppb	88
61) 1,1,2,2-Tetrachloroethane	8.68	83	539413	132.623	ppb	97
62) 1,2,3-Trichloropropane	8.72	75	440009	142.849	ppb	99
63) 2-Chlorotoluene	8.87	91	1394700	146.287	ppb	89
64) 4-Chlorotoluene	8.98	91	1703393	149.830	ppb	87
65) tert-Butylbenzene	9.28	119	1539673	147.958	ppb	86
66) 1,2,4-Trimethylbenzene	9.33	105	1820708	148.311	ppb	92
67) sec-Butylbenzene	9.49	105	2070080	148.170	ppb	93
68) p-Isopropyltoluene	9.64	119	1895177	148.719	ppb	92
69) 1,3-Dichlorobenzene	9.59	146	1208902	147.521	ppb	96
70) 1,4-Dichlorobenzene	9.68	146	1251852	148.091	ppb	95
71) 1,2-Dichlorobenzene	10.04	146	1205503	149.796	ppb	94
72) 1,2-Dibromo-3-chloropr...	10.80	75	132359	156.965	ppb	# 66
73) 1,2,4-Trichlorobenzene	11.62	180	853611	140.944	ppb	98
74) Hexachlorobutadiene	11.81	225	317045	135.805	ppb	99
75) Naphthalene	11.86	128	2194992	147.126	ppb	99
76) 1,2,3-Trichlorobenzene	12.10	180	799901	139.550	ppb	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110817.D
 Acq On : 8 Nov 2022 3:43 pm
 Operator : LM
 Sample : 150 ppb 8260 ICAL 67-177T
 Misc : soil/water
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:47 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110818.D
 Acq On : 8 Nov 2022 4:07 pm
 Operator : LM
 Sample : 200 ppb 8260 ICAL 67-177U
 Misc : soil/water
 ALS Vial : 16 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:49 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I Fluorobenzene	10.000	10.000	0.0	100	0.00
2 TMP Ethanol	-1.000	0.000	0.0	100	0.00
3 S Dibromofluoromethane	10.000	10.093	-0.9	100	0.00
4 TMP Dichlorodifluoromethane	200.000	217.453	-8.7	100	0.00
5 TMP Chloromethane	200.000	202.726	-1.4	100	0.00
6 TMP Vinyl chloride	200.000	214.441	-7.2	100	0.00
7 TMP Bromomethane	-1.000	196.448	0.0	0	0.00
8 TMP Chloroethane	200.000	194.258	2.9	100	0.00
9 TMP Trichlorofluoromethane	200.000	215.310	-7.7	100	0.02
10 TMP 2-Propanol	-1.000	0.000	0.0	0	0.00
11 TMP Acetone	1000.000	984.873	1.5	100	0.00
12 TMP 1,1-Dichloroethene	200.000	193.732	3.1	100	0.00
13 TMP Hexane	200.000	212.249	-6.1	100	0.00
14 TMP Methylene chloride	200.000	208.160	-4.1	100	0.00
15 TMP t-Butyl alcohol (TBA)	1000.000	997.542	0.2	100	0.00
16 TMP Methyl t-butyl ether (MTBE)	200.000	208.928	-4.5	100	0.00
17 TMP trans-1,2-Dichloroethene	200.000	199.882	0.1	100	0.00
18 TMP Diisopropyl ether (DIPE)	200.000	200.364	-0.2	100	0.00
19 TMP 1,1-Dichloroethane	200.000	202.231	-1.1	100	0.00
20 TMP Ethyl t-butyl ether (ETBE)	200.000	200.482	-0.2	100	0.00
21 TMP 2,2-Dichloropropane	200.000	206.397	-3.2	100	0.00
22 TMP cis-1,2-Dichloroethene	200.000	196.997	1.5	100	0.00
23 TMP Chloroform	200.000	201.234	-0.6	100	0.00
24 TMP 2-Butanone (MEK)	1000.000	1148.351	-14.8	100	0.00
25 TMP t-Amyl methyl ether (TAME)	200.000	204.781	-2.4	100	0.00
26 TMP 1,2-Dichloroethane (EDC)	200.000	200.173	-0.1	100	0.00
27 TMP 1,1,1-Trichloroethane	200.000	200.724	-0.4	100	0.00
28 TMP 1,1-Dichloropropene	200.000	204.390	-2.2	100	0.00
29 TMP Carbon tetrachloride	200.000	210.628	-5.3	100	0.00
30 S 1,2-Dichloroethane-d4	10.000	10.258	-2.6	100	0.00
31 TMP Benzene	200.000	202.231	-1.1	100	0.00
32 TMP Trichloroethene	200.000	217.251	-8.6	100	0.00
33 TMP 1,2-Dichloropropane	200.000	207.720	-3.9	100	0.00
34 TMP Bromodichloromethane	200.000	211.316	-5.7	100	0.00
35 S Toluene-d8	10.000	10.261	-2.6	100	0.00
36 TMP Dibromomethane	200.000	203.691	-1.8	100	0.00
37 TMP 4-Methyl-2-pentanone	1000.000	1052.435	-5.2	100	0.00
38 TMP cis-1,3-Dichloropropene	200.000	208.191	-4.1	100	0.00
39 I Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40 TMP Toluene	200.000	207.013	-3.5	100	0.00
41 TMP trans-1,3-Dichloropropene	200.000	207.365	-3.7	100	0.00
42 TMP 1,1,2-Trichloroethane	200.000	200.690	-0.3	100	0.00
43 TMP 2-Hexanone	1000.000	1005.324	-0.5	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110818.D
 Acq On : 8 Nov 2022 4:07 pm
 Operator : LM
 Sample : 200 ppb 8260 ICAL 67-177U
 Misc : soil/water
 ALS Vial : 16 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:49 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	200.000	204.490	-2.2	100	0.00
45 TMP Tetrachloroethene	200.000	209.724	-4.9	100	0.00
46 TMP Dibromochloromethane	200.000	197.087	1.5	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	200.000	202.415	-1.2	100	0.00
48 TMP Chlorobenzene	200.000	204.009	-2.0	100	0.00
49 TMP Ethylbenzene	200.000	204.372	-2.2	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	200.000	210.932	-5.5	100	0.00
51 TMP m,p-Xylene	400.000	418.652	-4.7	100	0.00
52 TMP o-Xylene	200.000	206.094	-3.0	100	0.00
53 TMP Styrene	200.000	212.285	-6.1	100	0.00
54 TMP Isopropylbenzene	200.000	211.135	-5.6	100	0.00
55 TMP Bromoform	200.000	195.055	2.5	100	0.00
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	10.000	9.524	4.8	100	0.00
58 TMP n-Propylbenzene	200.000	195.029	2.5	100	0.00
59 TMP Bromobenzene	200.000	191.770	4.1	100	0.00
60 TMP 1,3,5-Trimethylbenzene	200.000	205.629	-2.8	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	200.000	170.257	14.9	100	0.00
62 TMP 1,2,3-Trichloropropane	200.000	186.447	6.8	100	0.00
63 TMP 2-Chlorotoluene	200.000	195.437	2.3	100	0.00
64 TMP 4-Chlorotoluene	200.000	200.767	-0.4	100	0.00
65 TMP tert-Butylbenzene	200.000	201.193	-0.6	100	0.00
66 TMP 1,2,4-Trimethylbenzene	200.000	201.840	-0.9	100	0.00
67 TMP sec-Butylbenzene	200.000	205.127	-2.6	100	0.00
68 TMP p-Isopropyltoluene	200.000	208.060	-4.0	100	0.00
69 TMP 1,3-Dichlorobenzene	200.000	200.252	-0.1	100	0.00
70 TMP 1,4-Dichlorobenzene	200.000	200.125	-0.1	100	0.00
71 TMP 1,2-Dichlorobenzene	200.000	202.518	-1.3	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	200.000	211.545	-5.8	100	0.00
73 TMP 1,2,4-Trichlorobenzene	200.000	200.549	-0.3	100	0.00
74 TMP Hexachlorobutadiene	200.000	206.269	-3.1	100	0.00
75 TMP Naphthalene	200.000	205.253	-2.6	100	0.00
76 TMP 1,2,3-Trichlorobenzene	200.000	202.523	-1.3	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110818.D
 Acq On : 8 Nov 2022 4:07 pm
 Operator : LM
 Sample : 200 ppb 8260 ICAL 67-177U
 Misc : soil/water
 ALS Vial : 16 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:49 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I Fluorobenzene	1.000	1.000	0.0	100	0.00
2 TMP Ethanol	0.000	0.000#	0.0	100	0.00
3 S Dibromofluoromethane	0.275	0.277	-0.7	100	0.00
4 TMP Dichlorodifluoromethane	0.410	0.445	-8.5	100	0.00
5 TMP Chloromethane	0.380	0.385	-1.3	100	0.00
6 TMP Vinyl chloride	0.360	0.386	-7.2	100	0.00
7 TMP Bromomethane	0.168	0.000#	100.0#	0#	0.00
8 TMP Chloroethane	0.189	0.184	2.6	100	0.00
9 TMP Trichlorofluoromethane	0.562	0.605	-7.7	100	0.02
10 TMP 2-Propanol	0.000	0.000	0.0	0#	0.00
11 TMP Acetone	0.037	0.054	-45.9#	100	0.00
12 TMP 1,1-Dichloroethene	0.333	0.323	3.0	100	0.00
13 TMP Hexane	0.348	0.370	-6.3	100	0.00
14 TMP Methylene chloride	0.369	0.328	11.1	100	0.00
15 TMP t-Butyl alcohol (TBA)	0.051	0.051	0.0	100	0.00
16 TMP Methyl t-butyl ether (MTBE)	0.971	1.015	-4.5	100	0.00
17 TMP trans-1,2-Dichloroethene	0.353	0.353	0.0	100	0.00
18 TMP Diisopropyl ether (DIPE)	0.889	0.890	-0.1	100	0.00
19 TMP 1,1-Dichloroethane	0.536	0.542	-1.1	100	0.00
20 TMP Ethyl t-butyl ether (ETBE)	0.425	0.426	-0.2	100	0.00
21 TMP 2,2-Dichloropropane	0.352	0.310	11.9	100	0.00
22 TMP cis-1,2-Dichloroethene	0.382	0.376	1.6	100	0.00
23 TMP Chloroform	0.583	0.584	-0.2	100	0.00
24 TMP 2-Butanone (MEK)	0.186	0.214	-15.1	100	0.00
25 TMP t-Amyl methyl ether (TAME)	0.964	0.987	-2.4	100	0.00
26 TMP 1,2-Dichloroethane (EDC)	0.438	0.439	-0.2	100	0.00
27 TMP 1,1,1-Trichloroethane	0.532	0.534	-0.4	100	0.00
28 TMP 1,1-Dichloropropene	0.448	0.458	-2.2	100	0.00
29 TMP Carbon tetrachloride	0.479	0.505	-5.4	100	0.00
30 S 1,2-Dichloroethane-d4	0.063	0.065	-3.2	100	0.00
31 TMP Benzene	1.286	1.300	-1.1	100	0.00
32 TMP Trichloroethene	0.373	0.405	-8.6	100	0.00
33 TMP 1,2-Dichloropropane	0.284	0.295	-3.9	100	0.00
34 TMP Bromodichloromethane	0.432	0.456	-5.6	100	0.00
35 S Toluene-d8	1.002	1.028	-2.6	100	0.00
36 TMP Dibromomethane	0.216	0.220	-1.9	100	0.00
37 TMP 4-Methyl-2-pentanone	0.077	0.081	-5.2	100	0.00
38 TMP cis-1,3-Dichloropropene	0.504	0.525	-4.2	100	0.00
39 I Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40 TMP Toluene	0.968	1.002	-3.5	100	0.00
41 TMP trans-1,3-Dichloropropene	0.553	0.573	-3.6	100	0.00
42 TMP 1,1,2-Trichloroethane	0.293	0.294	-0.3	100	0.00
43 TMP 2-Hexanone	0.320	0.322	-0.6	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110818.D
 Acq On : 8 Nov 2022 4:07 pm
 Operator : LM
 Sample : 200 ppb 8260 ICAL 67-177U
 Misc : soil/water
 ALS Vial : 16 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:49 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.560	0.573	-2.3	100	0.00
45 TMP Tetrachloroethene	0.431	0.452	-4.9	100	0.00
46 TMP Dibromochloromethane	0.429	0.490	-14.2	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	0.398	0.403	-1.3	100	0.00
48 TMP Chlorobenzene	1.148	1.171	-2.0	100	0.00
49 TMP Ethylbenzene	1.845	1.886	-2.2	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.426	0.449	-5.4	100	0.00
51 TMP m,p-Xylene	0.746	0.781	-4.7	100	0.00
52 TMP o-Xylene	0.741	0.764	-3.1	100	0.00
53 TMP Styrene	1.258	1.335	-6.1	100	0.00
54 TMP Isopropylbenzene	1.878	1.983	-5.6	100	0.00
55 TMP Bromoform	0.362	0.432	-19.3	100	0.00
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	0.701	0.668	4.7	100	0.00
58 TMP n-Propylbenzene	3.165	3.087	2.5	100	0.00
59 TMP Bromobenzene	0.916	0.878	4.1	100	0.00
60 TMP 1,3,5-Trimethylbenzene	2.336	2.402	-2.8	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.806	0.686	14.9	100	0.00
62 TMP 1,2,3-Trichloropropane	0.610	0.569	6.7	100	0.00
63 TMP 2-Chlorotoluene	1.890	1.846	2.3	100	0.00
64 TMP 4-Chlorotoluene	2.253	2.262	-0.4	100	0.00
65 TMP tert-Butylbenzene	2.062	2.075	-0.6	100	0.00
66 TMP 1,2,4-Trimethylbenzene	2.433	2.455	-0.9	100	0.00
67 TMP sec-Butylbenzene	2.769	2.840	-2.6	100	0.00
68 TMP p-Isopropyltoluene	2.526	2.627	-4.0	100	0.00
69 TMP 1,3-Dichlorobenzene	1.624	1.626	-0.1	100	0.00
70 TMP 1,4-Dichlorobenzene	1.675	1.676	-0.1	100	0.00
71 TMP 1,2-Dichlorobenzene	1.595	1.615	-1.3	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	0.167	0.177	-6.0	100	0.00
73 TMP 1,2,4-Trichlorobenzene	1.200	1.204	-0.3	100	0.00
74 TMP Hexachlorobutadiene	0.463	0.477	-3.0	100	0.00
75 TMP Naphthalene	2.957	3.034	-2.6	100	0.00
76 TMP 1,2,3-Trichlorobenzene	1.136	1.150	-1.2	100	0.00

(#) = Out of Range

SPCC's out = 2 CCC's out = 0

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110818.D
 Acq On : 8 Nov 2022 4:07 pm
 Operator : LM
 Sample : 200 ppb 8260 ICAL 67-177U
 Misc : soil/water
 ALS Vial : 16 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:49 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	4.78	96	87283	10.000	ppb	0.00	
39) Chlorobenzene-d5	7.44	117	73762	10.000	ppb	0.00	
56) 1,4-Dichlorobenzene-d4	9.66	152	52648	10.000	ppb	# 0.00	
System Monitoring Compounds							
3) Dibromofluoromethane	4.21	113	24218	10.093	ppb	0.00	
Spiked Amount	10.000	Range	0 - 1000	Recovery	=	100.90%	
30) 1,2-Dichloroethane-d4	4.49	102	5685	10.258	ppb	0.00	
Spiked Amount	10.000	Range	90 - 109	Recovery	=	102.60%	
35) Toluene-d8	6.14	98	89715	10.261	ppb	0.00	
Spiked Amount	10.000	Range	89 - 112	Recovery	=	102.60%	
57) 4-Bromofluorobenzene	8.54	95	35165	9.524	ppb	0.00	
Spiked Amount	10.000	Range	84 - 115	Recovery	=	95.20%	
Target Compounds							
							Qvalue
2) Ethanol	1.07	45	1486	No Calib	#		
4) Dichlorodifluoromethane	1.18	85	777451	217.453	ppb		95
5) Chloromethane	1.32	50	671998	202.726	ppb		100
6) Vinyl chloride	1.40	62	674333	214.441	ppb		99
7) Bromomethane	1.63	94	287246	196.448	ppb		96
8) Chloroethane	1.70	64	320361	194.258	ppb		97
9) Trichlorofluoromethane	1.92	101	1055586	215.310	ppb		93
10) 2-Propanol	2.99	45	84259	No Calib			
11) Acetone	2.39	58	471174	984.873	ppb		95
12) 1,1-Dichloroethene	2.32	96	563721	193.732	ppb		83
13) Hexane	3.21	57	645615	212.249	ppb		94
14) Methylene chloride	2.74	84	573092	208.160	ppb		87
15) t-Butyl alcohol (TBA)	2.87	59	446100	997.542	ppb		89
16) Methyl t-butyl ether (...)	2.99	73	1771524	208.928	ppb		96
17) trans-1,2-Dichloroethene	2.97	96	615625	199.882	ppb		82
18) Diisopropyl ether (DIPE)	3.40	45	1553941	200.364	ppb		94
19) 1,1-Dichloroethane	3.32	63	945706	202.231	ppb		99
20) Ethyl t-butyl ether (E...)	3.70	87	743659	200.482	ppb		85
21) 2,2-Dichloropropane	3.81	77	541544	206.397	ppb		97
22) cis-1,2-Dichloroethene	3.81	96	656814	196.997	ppb	#	82
23) Chloroform	4.08	83	1018623	201.234	ppb		99
24) 2-Butanone (MEK)	3.83	43	1865320	1148.351	ppb		95
25) t-Amyl methyl ether (T...)	4.65	73	1722363	204.781	ppb		99
26) 1,2-Dichloroethane (EDC)	4.56	62	765559	200.173	ppb		94
27) 1,1,1-Trichloroethane	4.23	97	932731	200.724	ppb		94
28) 1,1-Dichloropropene	4.37	75	799441	204.390	ppb		90
29) Carbon tetrachloride	4.37	117	881073	210.628	ppb		93
31) Benzene	4.54	78	2269280	202.231	ppb		95
32) Trichloroethene	5.09	95	707067	217.251	ppb	#	78
33) 1,2-Dichloropropane	5.28	63	515659	207.720	ppb		96
34) Bromodichloromethane	5.51	83	796199	211.316	ppb		97
36) Dibromomethane	5.37	93	383541	203.691	ppb		85

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110818.D
 Acq On : 8 Nov 2022 4:07 pm
 Operator : LM
 Sample : 200 ppb 8260 ICAL 67-177U
 Misc : soil/water
 ALS Vial : 16 Sample Multiplier: 1
 InstName : GCMS4

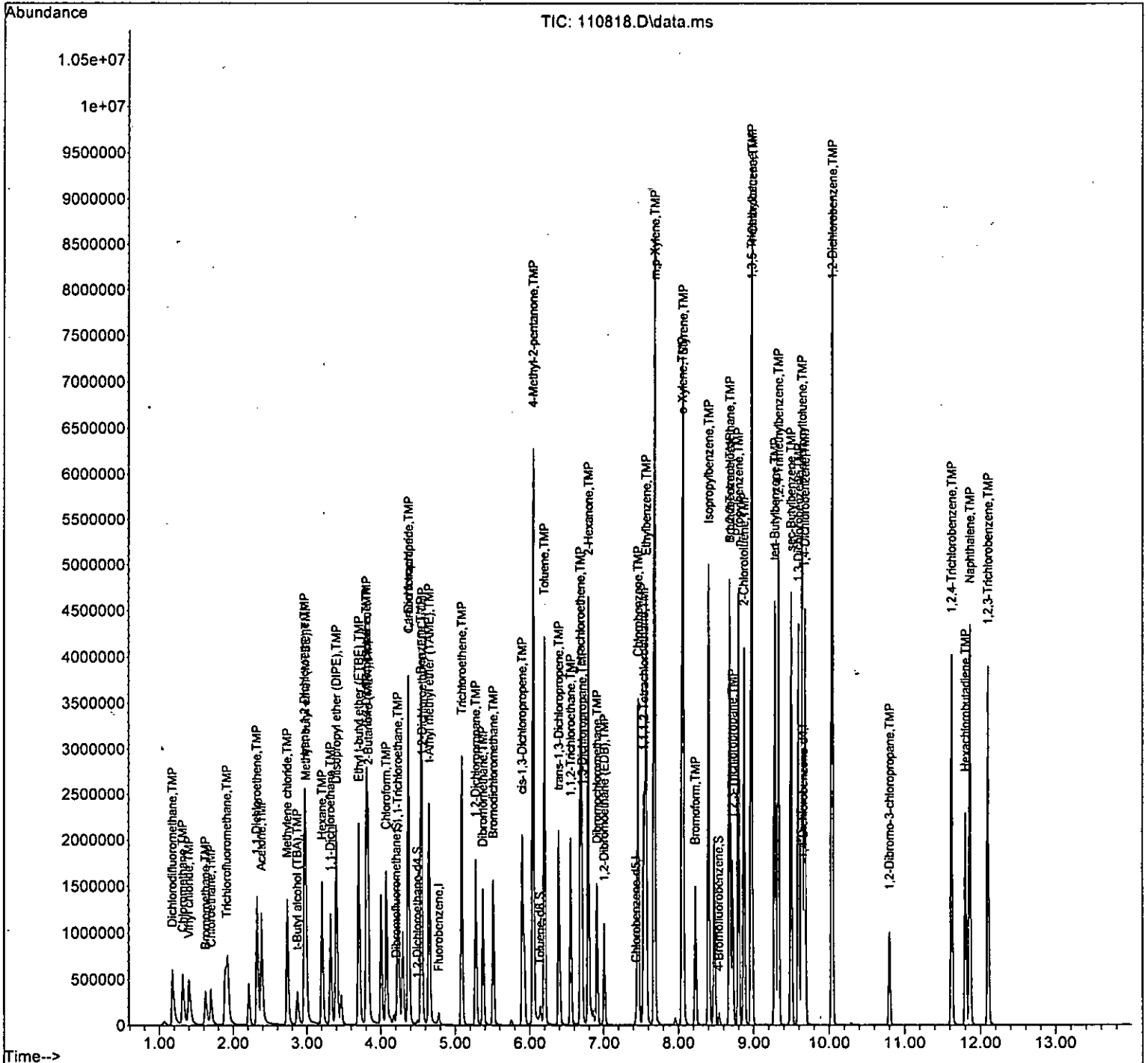
Quant Time: Nov 08 16:47:49 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	6.05	85	706333	1052.435	ppb	# 76
38) cis-1,3-Dichloropropene	5.90	75	916228	208.191	ppb	95
40) Toluene	6.20	92	1477659	207.013	ppb	98
41) trans-1,3-Dichloropropene	6.39	75	845669	207.365	ppb	96
42) 1,1,2-Trichloroethane	6.55	83	433868	200.690	ppb	89
43) 2-Hexanone	6.79	43	2376138	1005.324	ppb	95
44) 1,3-Dichloropropane	6.71	76	844988	204.490	ppb	100
45) Tetrachloroethene	6.69	164	666496	209.724	ppb	99
46) Dibromochloromethane	6.91	129	722578	197.087	ppb	98
47) 1,2-Dibromoethane (EDB)	7.01	107	594533	202.415	ppb	96
48) Chlorobenzene	7.46	112	1727644	204.009	ppb	89
49) Ethylbenzene	7.57	91	2781599	204.372	ppb	94
50) 1,1,1,2-Tetrachloroethane	7.54	131	662104	210.932	ppb	95
51) m,p-Xylene	7.68	106	2303507	418.652	ppb	87
52) o-Xylene	8.05	106	1126763	206.094	ppb	89
53) Styrene	8.06	104	1969842	212.285	ppb	91
54) Isopropylbenzene	8.40	105	2924753	211.135	ppb	94
55) Bromoform	8.23	173	637920	195.055	ppb	97
58) n-Propylbenzene	8.80	91	3250023	195.029	ppb	92
59) Bromobenzene	8.68	156	924648	191.770	ppb	# 80
60) 1,3,5-Trimethylbenzene	8.97	105	2529216	205.629	ppb	87
61) 1,1,2,2-Tetrachloroethane	8.68	83	722551	170.257	ppb	97
62) 1,2,3-Trichloropropane	8.72	75	599242	186.447	ppb	99
63) 2-Chlorotoluene	8.87	91	1944207	195.437	ppb	90
64) 4-Chlorotoluene	8.98	91	2381591	200.767	ppb	88
65) tert-Butylbenzene	9.28	119	2184564	201.193	ppb	88
66) 1,2,4-Trimethylbenzene	9.33	105	2585446	201.840	ppb	93
67) sec-Butylbenzene	9.49	105	2990264	205.127	ppb	94
68) p-Isopropyltoluene	9.64	119	2766512	208.060	ppb	92
69) 1,3-Dichlorobenzene	9.59	146	1712282	200.252	ppb	95
70) 1,4-Dichlorobenzene	9.68	146	1765164	200.125	ppb	95
71) 1,2-Dichlorobenzene	10.04	146	1700562	202.518	ppb	94
72) 1,2-Dibromo-3-chloropr...	10.80	75	186128	211.545	ppb	# 52
73) 1,2,4-Trichlorobenzene	11.62	180	1267343	200.549	ppb	98
74) Hexachlorobutadiene	11.81	225	502458	206.269	ppb	98
75) Naphthalene	11.86	128	3195168	205.253	ppb	99
76) 1,2,3-Trichlorobenzene	12.10	180	1211267	202.523	ppb	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110818.D
 Acq On : 8 Nov 2022 4:07 pm
 Operator : LM
 Sample : 200 ppb 8260 ICAL 67-177U
 Misc : soil/water
 ALS Vial : 16 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 16:47:49 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110820.D
 Acq On : 8 Nov 2022 4:55 pm
 Operator : LM
 Sample : 10 ppb 8260 SCV 67-155c
 Misc : soil/water
 ALS Vial : 18 Sample Multiplier: 1
 InstName : GCMS4

ACETONE ↑ IN SCV -
 CA. IF MET.

11/08/22 JCM

Quant Time: Nov 08 17:29:09 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I Fluorobenzene	10.000	10.000	0.0	97	0.00
2 TMP Ethanol	-1.000	0.000	0.0	31	0.00
3 S Dibromofluoromethane	10.000	10.210	-2.1	97	0.00
4 TMP Dichlorodifluoromethane	10.000	8.250	17.5	73	0.00
5 TMP Chloromethane	10.000	9.797	2.0	90	0.00
6 TMP Vinyl chloride	10.000	10.608	-6.1	95	0.00
7 TMP Bromomethane	10.000	12.753	-27.5#	119	0.00
8 TMP Chloroethane	10.000	10.992	-9.9	105	0.00
9 TMP Trichlorofluoromethane	10.000	10.358	-3.6	98	0.00
10 TMP 2-Propanol	-1.000	0.000	0.0	0	0.00
11 TMP Acetone	50.000	78.375	-56.8#	122	0.00
12 TMP 1,1-Dichloroethene	10.000	9.818	1.8	98	0.00
13 TMP Hexane	10.000	9.551	4.5	94	0.00
14 TMP Methylene chloride	10.000	10.123	-1.2	95	0.00
15 TMP t-Butyl alcohol (TBA)	50.000	49.286	1.4	94	0.00
16 TMP Methyl t-butyl ether (MTBE)	10.000	10.006	-0.1	95	0.00
17 TMP trans-1,2-Dichloroethene	10.000	9.949	0.5	98	0.00
18 TMP Diisopropyl ether (DIPE)	10.000	9.810	1.9	97	0.00
19 TMP 1,1-Dichloroethane	10.000	9.995	0.1	97	0.00
20 TMP Ethyl t-butyl ether (ETBE)	10.000	9.885	1.2	95	0.00
21 TMP 2,2-Dichloropropane	10.000	9.541	4.6	89	0.00
22 TMP cis-1,2-Dichloroethene	10.000	9.747	2.5	98	0.00
23 TMP Chloroform	10.000	9.943	0.6	95	0.00
24 TMP 2-Butanone (MEK)	50.000	49.352	1.3	103	0.00
25 TMP t-Amyl methyl ether (TAME)	10.000	9.937	0.6	95	0.00
26 TMP 1,2-Dichloroethane (EDC)	10.000	9.822	1.8	96	0.00
27 TMP 1,1,1-Trichloroethane	10.000	10.296	-3.0	100	0.00
28 TMP 1,1-Dichloropropene	10.000	10.019	-0.2	99	0.00
29 TMP Carbon tetrachloride	10.000	10.300	-3.0	102	0.00
30 S 1,2-Dichloroethane-d4	10.000	10.128	-1.3	97	0.00
31 TMP Benzene	10.000	9.817	1.8	97	0.00
32 TMP Trichloroethene	10.000	10.118	-1.2	103	0.00
33 TMP 1,2-Dichloropropane	10.000	9.802	2.0	94	0.00
34 TMP Bromodichloromethane	10.000	9.826	1.7	98	0.00
35 S Toluene-d8	10.000	9.871	1.3	95	0.00
36 TMP Dibromomethane	10.000	10.230	-2.3	98	0.00
37 TMP 4-Methyl-2-pentanone	50.000	47.710	4.6	94	0.00
38 TMP cis-1,3-Dichloropropene	10.000	9.927	0.7	97	0.00
39 I Chlorobenzene-d5	10.000	10.000	0.0	96	0.00
40 TMP Toluene	10.000	9.759	2.4	97	0.00
41 TMP trans-1,3-Dichloropropene	10.000	9.837	1.6	96	0.00
42 TMP 1,1,2-Trichloroethane	10.000	9.811	1.9	97	0.00
43 TMP 2-Hexanone	50.000	46.273	7.5	90	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110820.D
 Acq On : 8 Nov 2022 4:55 pm
 Operator : LM
 Sample : 10 ppb 8260 SCV 67-155c
 Misc : soil/water
 ALS Vial : 18 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 17:29:09 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	10.000	9.703	3.0	95	0.00
45 TMP Tetrachloroethene	10.000	10.117	-1.2	100	0.00
46 TMP Dibromochloromethane	10.000	10.604	-6.0	101	0.00
47 TMP 1,2-Dibromoethane (EDB)	10.000	9.976	0.2	96	0.00
48 TMP Chlorobenzene	10.000	9.898	1.0	96	0.00
49 TMP Ethylbenzene	10.000	9.767	2.3	96	0.00
50 TMP 1,1,1,2-Tetrachloroethane	10.000	10.067	-0.7	97	0.00
51 TMP m,p-Xylene	20.000	19.797	1.0	97	0.00
52 TMP o-Xylene	10.000	10.091	-0.9	99	0.00
53 TMP Styrene	10.000	9.862	1.4	95	0.00
54 TMP Isopropylbenzene	10.000	9.813	1.9	96	0.00
55 TMP Bromoform	10.000	10.758	-7.6	99	0.00
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	98	0.00
57 S 4-Bromofluorobenzene	10.000	9.630	3.7	94	0.00
58 TMP n-Propylbenzene	10.000	9.546	4.5	96	0.00
59 TMP Bromobenzene	10.000	9.994	0.1	97	0.00
60 TMP 1,3,5-Trimethylbenzene	10.000	9.647	3.5	97	0.00
61 TMP 1,1,2,2-Tetrachloroethane	10.000	9.303	7.0	91	0.00
62 TMP 1,2,3-Trichloropropane	10.000	9.648	3.5	93	0.00
63 TMP 2-Chlorotoluene	10.000	9.690	3.1	97	0.00
64 TMP 4-Chlorotoluene	10.000	9.531	4.7	95	0.00
65 TMP tert-Butylbenzene	10.000	9.740	2.6	97	0.00
66 TMP 1,2,4-Trimethylbenzene	10.000	9.596	4.0	97	0.00
67 TMP sec-Butylbenzene	10.000	9.441	5.6	95	0.00
68 TMP p-Isopropyltoluene	10.000	9.580	4.2	97	0.00
69 TMP 1,3-Dichlorobenzene	10.000	9.723	2.8	96	0.00
70 TMP 1,4-Dichlorobenzene	10.000	9.791	2.1	98	0.00
71 TMP 1,2-Dichlorobenzene	10.000	9.824	1.8	98	0.00
72 TMP 1,2-Dibromo-3-chloropropane	10.000	9.278	7.2	90	0.00
73 TMP 1,2,4-Trichlorobenzene	10.000	9.559	4.4	95	0.00
74 TMP Hexachlorobutadiene	10.000	9.649	3.5	99	0.00
75 TMP Naphthalene	10.000	9.341	6.6	91	0.00
76 TMP 1,2,3-Trichlorobenzene	10.000	9.367	6.3	92	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110820.D
 Acq On : 8 Nov 2022 4:55 pm
 Operator : LM
 Sample : 10 ppb 8260 SCV 67-155c
 Misc : soil/water
 ALS Vial : 18 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 17:29:09 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I Fluorobenzene	1.000	1.000	0.0	97	0.00
2 TMP Ethanol	0.000	0.000#	0.0	31#	0.00
3 S Dibromofluoromethane	0.275	0.281	-2.2	97	0.00
4 TMP Dichlorodifluoromethane	0.410	0.338	17.6	73	0.00
5 TMP Chloromethane	0.380	0.372	2.1	90	0.00
6 TMP Vinyl chloride	0.360	0.382	-6.1	95	0.00
7 TMP Bromomethane	0.168	0.214	-27.4#	119	0.00
8 TMP Chloroethane	0.189	0.208	-10.1	105	0.00
9 TMP Trichlorofluoromethane	0.562	0.582	-3.6	98	0.00
10 TMP 2-Propanol	0.000	0.000	0.0	0#	0.00
11 TMP Acetone	0.037	0.042	-13.5	122	0.00
12 TMP 1,1-Dichloroethene	0.333	0.327	1.8	98	0.00
13 TMP Hexane	0.348	0.333	4.3	94	0.00
14 TMP Methylene chloride	0.369	0.367	0.5	95	0.00
15 TMP t-Butyl alcohol (TBA)	0.051	0.051	0.0	94	0.00
16 TMP Methyl t-butyl ether (MTBE)	0.971	0.972	-0.1	95	0.00
17 TMP trans-1,2-Dichloroethene	0.353	0.351	0.6	98	0.00
18 TMP Diisopropyl ether (DIPE)	0.889	0.872	1.9	97	0.00
19 TMP 1,1-Dichloroethane	0.536	0.536	0.0	97	0.00
20 TMP Ethyl t-butyl ether (ETBE)	0.425	0.420	1.2	95	0.00
21 TMP 2,2-Dichloropropane	0.352	0.330	6.2	89	0.00
22 TMP cis-1,2-Dichloroethene	0.382	0.372	2.6	98	0.00
23 TMP Chloroform	0.583	0.577	1.0	95	0.00
24 TMP 2-Butanone (MEK)	0.186	0.184	1.1	103	0.00
25 TMP t-Amyl methyl ether (TAME)	0.964	0.958	0.6	95	0.00
26 TMP 1,2-Dichloroethane (EDC)	0.438	0.430	1.8	96	0.00
27 TMP 1,1,1-Trichloroethane	0.532	0.548	-3.0	100	0.00
28 TMP 1,1-Dichloropropene	0.448	0.449	-0.2	99	0.00
29 TMP Carbon tetrachloride	0.479	0.494	-3.1	102	0.00
30 S 1,2-Dichloroethane-d4	0.063	0.064	-1.6	97	0.00
31 TMP Benzene	1.286	1.262	1.9	97	0.00
32 TMP Trichloroethene	0.373	0.377	-1.1	103	0.00
33 TMP 1,2-Dichloropropane	0.284	0.279	1.8	94	0.00
34 TMP Bromodichloromethane	0.432	0.424	1.9	98	0.00
35 S Toluene-d8	1.002	0.989	1.3	95	0.00
36 TMP Dibromomethane	0.216	0.221	-2.3	98	0.00
37 TMP 4-Methyl-2-pentanone	0.077	0.073	5.2	94	0.00
38 TMP cis-1,3-Dichloropropene	0.504	0.501	0.6	97	0.00
39 I Chlorobenzene-d5	1.000	1.000	0.0	96	0.00
40 TMP Toluene	0.968	0.944	2.5	97	0.00
41 TMP trans-1,3-Dichloropropene	0.553	0.544	1.6	96	0.00
42 TMP 1,1,2-Trichloroethane	0.293	0.288	1.7	97	0.00
43 TMP 2-Hexanone	0.320	0.297	7.2	90	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110820.D
 Acq On : 8 Nov 2022 4:55 pm
 Operator : LM
 Sample : 10 ppb 8260 SCV 67-155c
 Misc : soil/water
 ALS Vial : 18 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 17:29:09 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.560	0.544	2.9	95	0.00
45 TMP Tetrachloroethene	0.431	0.436	-1.2	100	0.00
46 TMP Dibromochloromethane	0.429	0.448	-4.4	101	0.00
47 TMP 1,2-Dibromoethane (EDB)	0.398	0.397	0.3	96	0.00
48 TMP Chlorobenzene	1.148	1.136	1.0	96	0.00
49 TMP Ethylbenzene	1.845	1.802	2.3	96	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.426	0.428	-0.5	97	0.00
51 TMP m,p-Xylene	0.746	0.738	1.1	97	0.00
52 TMP o-Xylene	0.741	0.748	-0.9	99	0.00
53 TMP Styrene	1.258	1.241	1.4	95	0.00
54 TMP Isopropylbenzene	1.878	1.843	1.9	96	0.00
55 TMP Bromoform	0.362	0.369	-1.9	99	0.00
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	98	0.00
57 S 4-Bromofluorobenzene	0.701	0.675	3.7	94	0.00
58 TMP n-Propylbenzene	3.165	3.021	4.5	96	0.00
59 TMP Bromobenzene	0.916	0.915	0.1	97	0.00
60 TMP 1,3,5-Trimethylbenzene	2.336	2.254	3.5	97	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.806	0.750	6.9	91	0.00
62 TMP 1,2,3-Trichloropropane	0.610	0.589	3.4	93	0.00
63 TMP 2-Chlorotoluene	1.890	1.831	3.1	97	0.00
64 TMP 4-Chlorotoluene	2.253	2.148	4.7	95	0.00
65 TMP tert-Butylbenzene	2.062	2.009	2.6	97	0.00
66 TMP 1,2,4-Trimethylbenzene	2.433	2.335	4.0	97	0.00
67 TMP sec-Butylbenzene	2.769	2.614	5.6	95	0.00
68 TMP p-Isopropyltoluene	2.526	2.419	4.2	97	0.00
69 TMP 1,3-Dichlorobenzene	1.624	1.579	2.8	96	0.00
70 TMP 1,4-Dichlorobenzene	1.675	1.640	2.1	98	0.00
71 TMP 1,2-Dichlorobenzene	1.595	1.567	1.8	98	0.00
72 TMP 1,2-Dibromo-3-chloropropane	0.167	0.155	7.2	90	0.00
73 TMP 1,2,4-Trichlorobenzene	1.200	1.147	4.4	95	0.00
74 TMP Hexachlorobutadiene	0.463	0.446	3.7	99	0.00
75 TMP Naphthalene	2.957	2.762	6.6	91	0.00
76 TMP 1,2,3-Trichlorobenzene	1.136	1.064	6.3	92	0.00

(#) = Out of Range

SPCC's out = 1 CCC's out = 0

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110820.D
 Acq On : 8 Nov 2022 4:55 pm
 Operator : LM
 Sample : 10 ppb 8260 SCV 67-155c
 Misc : soil/water
 ALS Vial : 18 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 17:29:09 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	4.78	96	83510	10.000	ppb	0.00
39) Chlorobenzene-d5	7.43	117	70248	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.65	152	47550	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.21	113	23439	10.210	ppb	0.00
Spiked Amount	10.000	Range	0 - 1000	Recovery	=	102.10%
30) 1,2-Dichloroethane-d4	4.49	102	5370	10.128	ppb	0.00
Spiked Amount	10.000	Range	90 - 109	Recovery	=	101.30%
35) Toluene-d8	6.14	98	82579	9.871	ppb	0.00
Spiked Amount	10.000	Range	89 - 112	Recovery	=	98.70%
57) 4-Bromofluorobenzene	8.54	95	32112	9.630	ppb	0.00
Spiked Amount	10.000	Range	84 - 115	Recovery	=	96.30%
Target Compounds						
						Qvalue
2) Ethanol	1.07	45	1125	No Calib		
4) Dichlorodifluoromethane	1.18	85	28221	8.250	ppb	99
5) Chloromethane	1.32	50	31072	9.797	ppb	96
6) Vinyl chloride	1.40	62	31915	10.608	ppb	89
7) Bromomethane	1.63	94	17842	12.753	ppb	94
8) Chloroethane	1.70	64	17344	10.992	ppb	92
9) Trichlorofluoromethane	1.89	101	48585	10.358	ppb	94
10) 2-Propanol	2.98	45	3862	No Calib		
11) Acetone	2.38	58	17372	78.375	ppb	86
12) 1,1-Dichloroethene	2.32	96	27334	9.818	ppb	85
13) Hexane	3.21	57	27797	9.551	ppb	92
14) Methylene chloride	2.74	84	30665	10.123	ppb	86
15) t-Butyl alcohol (TBA)	2.87	59	21088	49.286	ppb	95
16) Methyl t-butyl ether (...)	2.99	73	81171	10.006	ppb	98
17) trans-1,2-Dichloroethene	2.97	96	29318	9.949	ppb	83
18) Diisopropyl ether (DIPE)	3.40	45	72793	9.810	ppb	91
19) 1,1-Dichloroethane	3.32	63	44722	9.995	ppb	95
20) Ethyl t-butyl ether (E...)	3.70	87	35083	9.885	ppb	85
21) 2,2-Dichloropropane	3.81	77	27563	9.541	ppb	94
22) cis-1,2-Dichloroethene	3.81	96	31093	9.747	ppb	# 80
23) Chloroform	4.08	83	48210	9.943	ppb	99
24) 2-Butanone (MEK)	3.83	43	76699	49.352	ppb	96
25) t-Amyl methyl ether (T...)	4.65	73	79963	9.937	ppb	98
26) 1,2-Dichloroethane (EDC)	4.56	62	35942	9.822	ppb	93
27) 1,1,1-Trichloroethane	4.23	97	45776	10.296	ppb	94
28) 1,1-Dichloropropene	4.37	75	37494	10.019	ppb	91
29) Carbon tetrachloride	4.37	117	41224	10.300	ppb	87
31) Benzene	4.54	78	105401	9.817	ppb	94
32) Trichloroethene	5.09	95	31508	10.118	ppb	# 76
33) 1,2-Dichloropropane	5.28	63	23281	9.802	ppb	97
34) Bromodichloromethane	5.51	83	35422	9.826	ppb	99
36) Dibromomethane	5.37	93	18430	10.230	ppb	# 79

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110820.D
 Acq On : 8 Nov 2022 4:55 pm
 Operator : LM
 Sample : 10 ppb 8260 SCV 67-155c
 Misc : soil/water
 ALS Vial : 18 Sample Multiplier: 1
 InstName : GCMS4

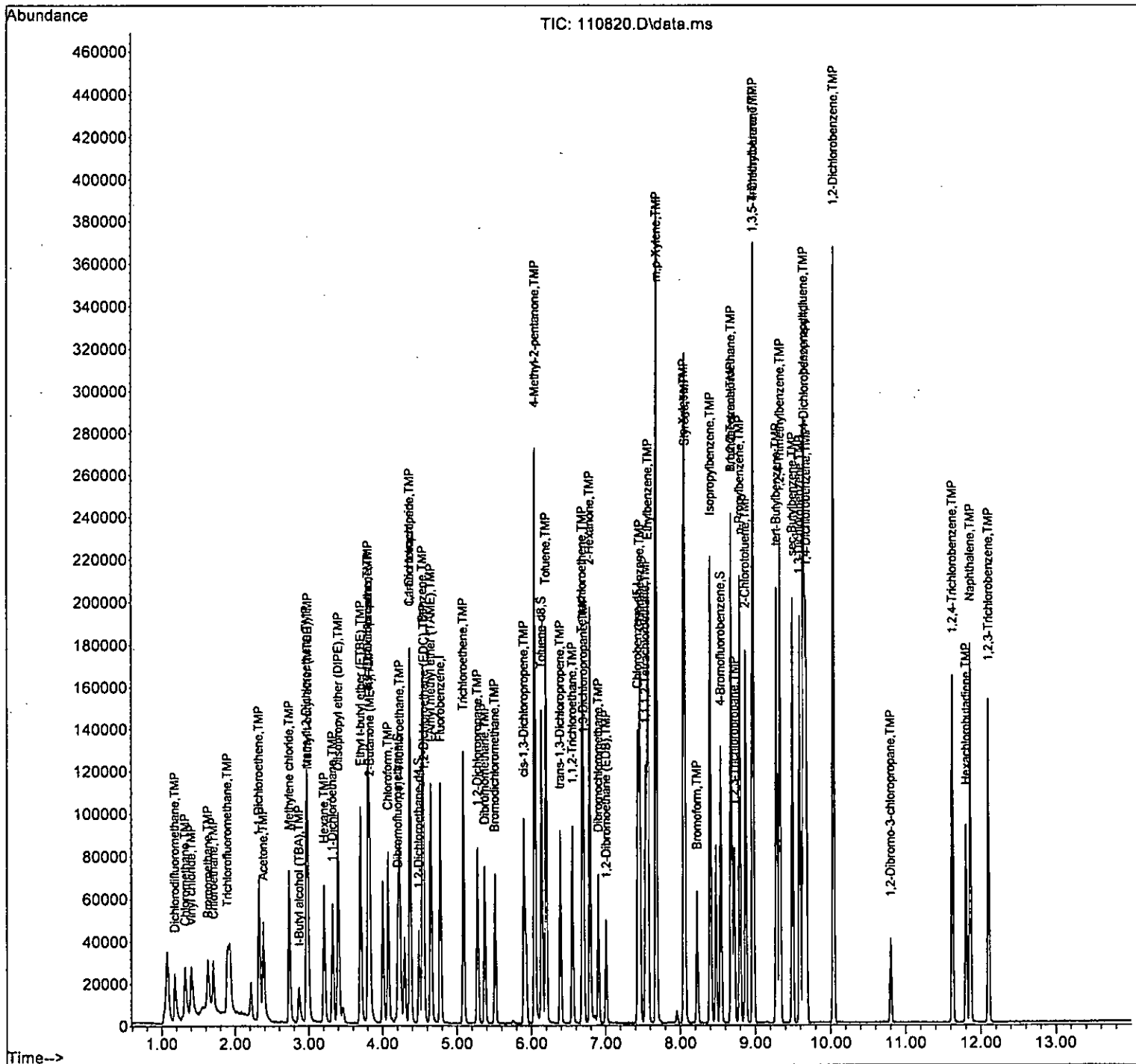
Quant Time: Nov 08 17:29:09 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	6.05	85	30636	47.710	ppb #	77
38) cis-1,3-Dichloropropene	5.90	75	41800	9.927	ppb	93
40) Toluene	6.20	92	66340	9.759	ppb	97
41) trans-1,3-Dichloropropene	6.39	75	38207	9.837	ppb	94
42) 1,1,2-Trichloroethane	6.55	83	20199	9.811	ppb	88
43) 2-Hexanone	6.79	43	104158	46.273	ppb	96
44) 1,3-Dichloropropane	6.70	76	38186	9.703	ppb	99
45) Tetrachloroethene	6.69	164	30620	10.117	ppb	98
46) Dibromochloromethane	6.91	129	31445	10.604	ppb	98
47) 1,2-Dibromoethane (EDB)	7.01	107	27905	9.976	ppb	98
48) Chlorobenzene	7.46	112	79830	9.898	ppb	88
49) Ethylbenzene	7.57	91	126600	9.767	ppb	92
50) 1,1,1,2-Tetrachloroethane	7.54	131	30094	10.067	ppb	97
51) m,p-Xylene	7.68	106	103736	19.797	ppb	84
52) o-Xylene	8.05	106	52544	10.091	ppb	88
53) Styrene	8.06	104	87148	9.862	ppb	87
54) Isopropylbenzene	8.40	105	129460	9.813	ppb	92
55) Bromoform	8.22	173	25895	10.758	ppb	99
58) n-Propylbenzene	8.79	91	143672	9.546	ppb	95
59) Bromobenzene	8.68	156	43521	9.994	ppb #	81
60) 1,3,5-Trimethylbenzene	8.97	105	107172	9.647	ppb	85
61) 1,1,2,2-Tetrachloroethane	8.68	83	35656	9.303	ppb	97
62) 1,2,3-Trichloropropane	8.72	75	28007	9.648	ppb	100
63) 2-Chlorotoluene	8.87	91	87061	9.690	ppb	88
64) 4-Chlorotoluene	8.97	91	102117	9.531	ppb	89
65) tert-Butylbenzene	9.28	119	95517	9.740	ppb	84
66) 1,2,4-Trimethylbenzene	9.33	105	111013	9.596	ppb	90
67) sec-Butylbenzene	9.49	105	124300	9.441	ppb	91
68) p-Isopropyltoluene	9.64	119	115046	9.580	ppb	90
69) 1,3-Dichlorobenzene	9.59	146	75086	9.723	ppb	95
70) 1,4-Dichlorobenzene	9.68	146	77996	9.791	ppb	95
71) 1,2-Dichlorobenzene	10.04	146	74508	9.824	ppb	92
72) 1,2-Dibromo-3-chloropr...	10.80	75	7373	9.278	ppb #	60
73) 1,2,4-Trichlorobenzene	11.62	180	54555	9.559	ppb	100
74) Hexachlorobutadiene	11.81	225	21229	9.649	ppb	95
75) Naphthalene	11.86	128	131334	9.341	ppb	99
76) 1,2,3-Trichlorobenzene	12.10	180	50597	9.367	ppb	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS4\11-08-22\
 Data File : 110820.D
 Acq On : 8 Nov 2022 4:55 pm
 Operator : LM
 Sample : 10 ppb 8260 SCV 67-155c
 Misc : soil/water
 ALS Vial : 18 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 08 17:29:09 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



Response Factor Report GCMS13

Method Path : D:\Methods\Inst13\
Method File : VB110522ms13.M
Title : 8260 Purge & Trap Volatiles Dual Acquisition
Last Update : Mon Nov 07 15:16:10 2022
Response Via : Initial Calibration

Calibration Files

0.02-110506.D 0.04-110507.D 0.1-110508.D 0.2-110509.D 0.5-110510.D 2-110512.D 5-110513.D 10-110514.D 20-110515.D 50-110517.D 200-110519.D

Table with columns: Compound, 0.02, 0.04, 0.1, 0.2, 0.5, 2, 5, 10, 20, 50, 100, 200, Avg, %RSD. Rows list various compounds like Fluorobenzene, Ethanol, Dibromofluoromethane, etc., with their corresponding response factor data at different concentrations.

(#) = Out of Range

Compound List Report GCMS13

Method Path : D:\Methods\Inst13\
 Method File : VB110522ms13.M
 Title : 8260 Purge & Trap Volatiles Dual Acquisition
 Last Update : Mon Nov 07 15:16:10 2022
 Response Via : Initial Calibration

Total Cpnds : 76

PK#	Compound Name	QIon	Exp_RT	Rel_RT	Cal	#Qual	A/H	ID
1	I Fluorobenzene	96	4.75	1.000	A	1	A	B
2	T Ethanol	45	2.33	0.491	A	1	A	B
3	S Dibromofluoromethane	113	4.17	0.880	A	0	A	B
4	T Dichlorodifluoromethane	85	1.12	0.235	A	1	A	B
5	T Chloromethane	50	1.26	0.266	A	1	A	B
6	T Vinyl chloride	-62	1.34	0.282	A	1	A	B
7	T Bromomethane	94	1.58	0.333	A	1	A	B
8	T Chloroethane	-64	1.65	0.347	A	1	A	B
9	T Trichlorofluoromethane	101	1.83	0.385	A	1	A	B
10	T 2-Propanol	45	2.33	0.491	A	1	A	B
11	T Acetone	58	2.33	0.491	Q	1	A	B
12	T 1,1-Dichloroethene	-96	2.27	0.479	A	2	A	B
13	T Hexane	57	3.16	0.665	A	2	A	B
14	T Methylene chloride	84	2.68	0.565	Q	2	A	B
15	T t-Butyl alcohol (TBA)	59	2.82	0.593	A	1	A	B
16	T Methyl t-butyl ether (MTBE)	-73	2.94	0.618	A	1	A	B
17	T trans-1,2-Dichloroethene	-96	2.92	0.616	A	2	A	B
18	T Diisopropyl ether (DIPE)	45	3.35	0.706	A	3	A	B
19	T 1,1-Dichloroethane	-63	3.27	0.690	A	2	A	B
20	T Ethyl t-butyl ether (ETBE)	87	3.66	0.771	A	3	A	B
21	T 2,2-Dichloropropane	77	3.77	0.795	Q	1	A	B
22	T cis-1,2-Dichloroethene	-96	3.77	0.794	A	2	A	B
23	T Chloroform	83	4.04	0.851	A	1	A	B
24	T 2-Butanone (MEK)	43	3.79	0.800	Q	2	A	B
25	T t-Amyl methyl ether (TAME)	73	4.61	0.972	A	2	A	B
26	T 1,2-Dichloroethane (EDC)	-62	4.53	0.954	Q	1	A	B
27	T 1,1,1-Trichloroethane	-97	4.19	0.883	A	2	A	B
28	T 1,1-Dichloropropene	75	4.33	0.913	Q	2	A	B
29	T Carbon tetrachloride	117	4.33	0.913	A	1	A	B
30	S 1,2-Dichloroethane-d4	102	4.46	0.939	A	1	A	B
31	T Benzene	-78	4.50	0.949	A	1	A	B
32	T Trichloroethene	-95	5.05	1.065	A	3	A	B
33	T 1,2-Dichloropropane	63	5.24	1.105	A	1	A	B
34	T Bromodichloromethane	83	5.48	1.155	A	2	A	B
35	S Toluene-d8	98	6.11	1.286	A	1	A	B
36	T Dibromomethane	93	5.35	1.127	A	2	A	B
37	T 4-Methyl-2-pentanone	85	6.03	1.269	A	2	A	B
38	T cis-1,3-Dichloropropene	75	5.88	1.238	A	2	A	B
39	I Chlorobenzene-d5	117	7.41	1.000	A	1	A	B
40	T Toluene	-92	6.16	0.832	Q	1	A	B
41	T trans-1,3-Dichloropropene	75	6.36	0.859	Q	2	A	B
42	T 1,1,2-Trichloroethane	-83	6.53	0.881	Q	2	A	B
43	T 2-Hexanone	43	6.76	0.913	A	3	A	B
44	T 1,3-Dichloropropane	76	6.68	0.903	A	1	A	B
45	T Tetrachloroethene	-164	6.65	0.898	Q	3	A	B
46	T Dibromochloromethane	129	6.88	0.930	Q	1	A	B
47	T 1,2-Dibromoethane (EDB)	-107	6.98	0.943	A	2	A	B
48	T Chlorobenzene	112	7.43	1.004	A	2	A	B
49	T Ethylbenzene	-91	7.54	1.018	A	1	A	B
50	T 1,1,1,2-Tetrachloroethane	131	7.51	1.014	A	2	A	B
51	T m,p-Xylene	-106	7.65	1.033	A	1	A	B
52	T o-Xylene	-106	8.02	1.083	A	1	A	B
53	T Styrene	104	8.03	1.085	A	1	A	B
54	T Isopropylbenzene	105	8.37	1.130	A	1	A	B
55	T Bromoform	173	8.20	1.107	A	2	A	B

56	I	1,4-Dichlorobenzene-d4	152	9.62	1.000	A	2	A	B
57	S	4-Bromofluorobenzene	95	8.51	0.884	A	2	A	B
58	T	n-Propylbenzene	91	8.77	0.911	A	1	A	B
59	T	Bromobenzene	156	8.65	0.899	A	2	A	B
60	T	1,3,5-Trimethylbenzene	105	8.94	0.929	A	1	A	B
61	T	1,1,2,2-Tetrachloroethane	83	8.65	0.899	Q	2	A	B
62	T	1,2,3-Trichloropropane	75	8.70	0.904	A	3	A	B
63	T	2-Chlorotoluene	91	8.84	0.918	A	1	A	B
64	T	4-Chlorotoluene	91	8.95	0.930	A	1	A	B
65	T	tert-Butylbenzene	119	9.25	0.961	A	2	A	B
66	T	1,2,4-Trimethylbenzene	105	9.30	0.966	A	1	A	B
67	T	sec-Butylbenzene	105	9.46	0.983	A	1	A	B
68	T	p-Isopropyltoluene	119	9.61	0.999	A	2	A	B
69	T	1,3-Dichlorobenzene	146	9.56	0.994	A	2	A	B
70	T	1,4-Dichlorobenzene	146	9.64	1.002	A	2	A	B
71	T	1,2-Dichlorobenzene	146	10.01	1.040	A	2	A	B
72	T	1,2-Dibromo-3-chloropropane	75	10.78	1.120	A	2	A	B
73	T	1,2,4-Trichlorobenzene	180	11.59	1.204	A	2	A	B
74	T	Hexachlorobutadiene	225	11.77	1.223	A	2	A	B
75	T	Naphthalene	128	11.84	1.230	Q	2	A	B
76	T	1,2,3-Trichlorobenzene	180	12.08	1.255	A	2	A	B

Cal A = Average L = Linear LO = Linear w/origin Q = Quad QO = Quad w/origin

#Qual = number of qualifiers

A/H = Area or Height

ID R = R.T. B = R.T. & Q Q = Qvalue L = Largest A = All

VB110522ms13.M Mon Nov 07 15:54:19 2022

Calibration Status Report GCMS13

Method Path : D:\Methods\Inst13\
 Method File : VB110522ms13.M
 Title : 8260 Purge & Trap Volatiles Dual Acquisition
 Last Update : Mon Nov 07 15:16:10 2022
 Response Via : Initial Calibration

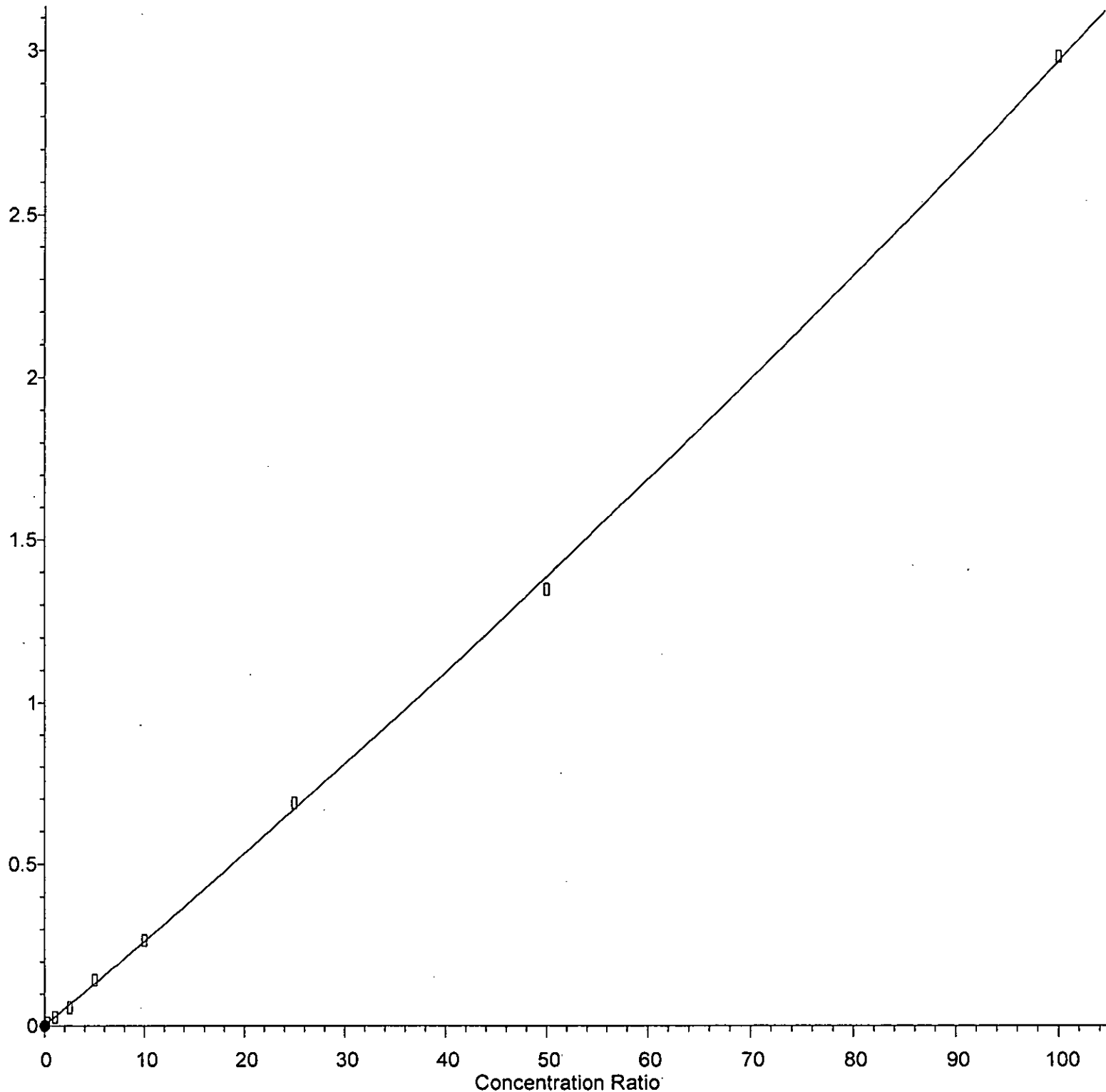
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1	0.02	0	10	D:\Proc_GCMS13\11-05-22\110506.D
2	0.04	0	10	D:\Proc_GCMS13\11-05-22\110507.D
3	0.1	0	10	D:\Proc_GCMS13\11-05-22\110508.D
4	0.2	0	10	D:\Proc_GCMS13\11-05-22\110509.D
5	0.5	1	10	D:\Proc_GCMS13\11-05-22\110510.D
7	2	2	10	D:\Proc_GCMS13\11-05-22\110512.D
8	5	5	10	D:\Proc_GCMS13\11-05-22\110513.D
9	10	10	10	D:\Proc_GCMS13\11-05-22\110514.D
10	20	20	10	D:\Proc_GCMS13\11-05-22\110515.D
11	50	50	10	D:\Proc_GCMS13\11-05-22\110516.D
12	100	100	10	D:\Proc_GCMS13\11-05-22\110517.D

#	ID	Update Time	Quant Time	Acquisition Time
1	0.02	Nov 07 10:05 2022	Nov 07 10:01 2022	05 Nov 2022 11:34 am
2	0.04	Nov 07 10:05 2022	Nov 07 10:02 2022	05 Nov 2022 11:57 am
3	0.1	Nov 07 10:05 2022	Nov 07 10:02 2022	05 Nov 2022 12:20 pm
4	0.2	Nov 07 10:05 2022	Nov 07 10:02 2022	05 Nov 2022 12:44 pm
5	0.5	Nov 07 10:05 2022	Nov 07 10:03 2022	05 Nov 2022 01:07 pm
7	2	Nov 07 10:05 2022	Nov 07 07:41 2022	05 Nov 2022 01:53 pm
8	5	Nov 07 10:05 2022	Nov 07 08:01 2022	05 Nov 2022 02:16 pm
9	10	Nov 07 10:05 2022	Nov 07 07:18 2022	05 Nov 2022 02:39 pm
10	20	Nov 07 10:05 2022	Nov 07 07:18 2022	05 Nov 2022 03:03 pm
11	50	Nov 07 10:05 2022	Nov 07 07:44 2022	05 Nov 2022 03:26 pm
12	100	Nov 07 10:05 2022	Nov 07 07:44 2022	05 Nov 2022 03:49 pm

VB110522ms13.M Mon Nov 07 15:54:24 2022

Acetone

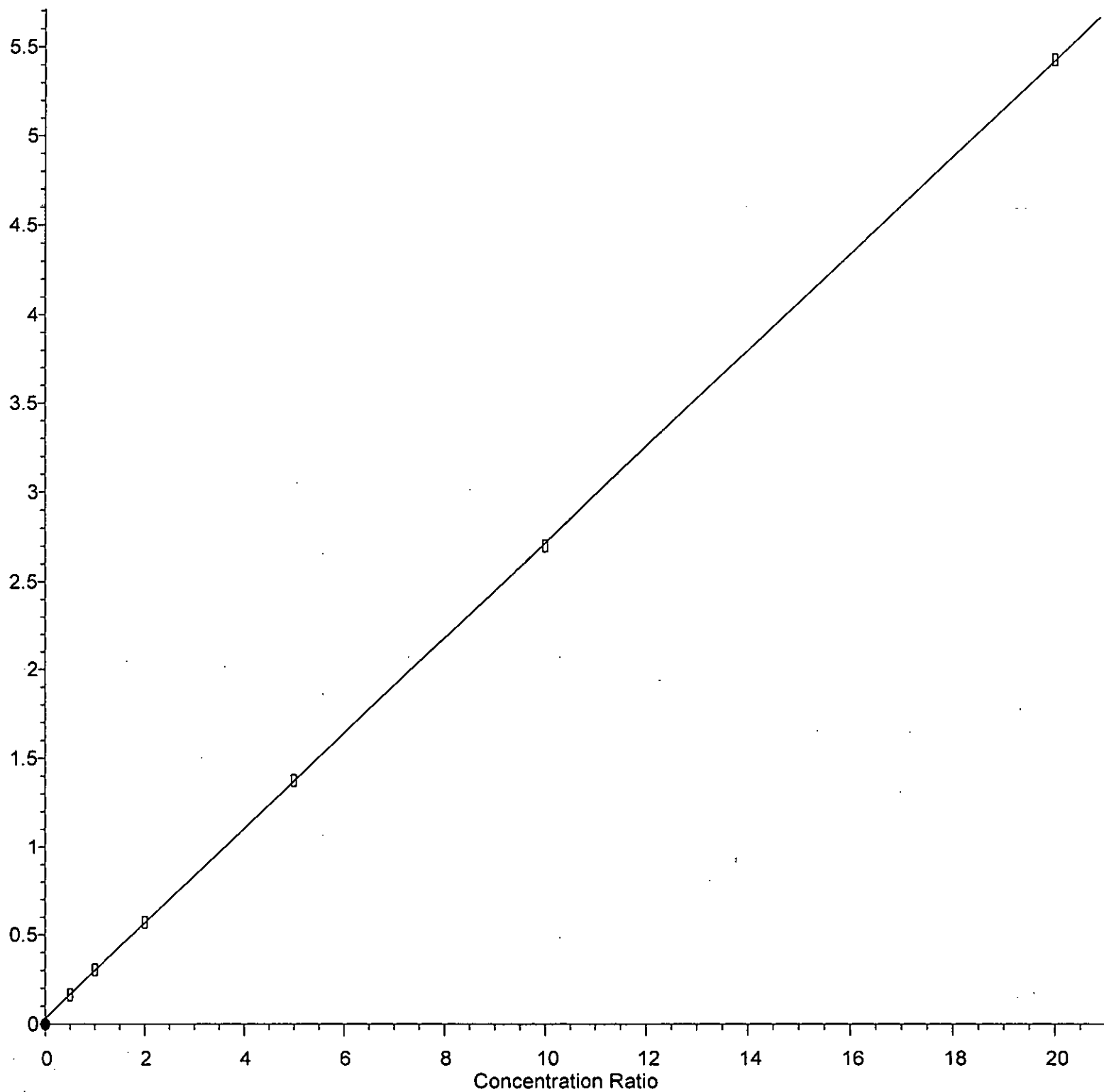
Response Ratio



$R = 4.054e-005 A^2 + 2.565e-002 A + 2.631e-003$
Coef of Det (r^2) = 0.999241 Curve Fit: Quadratic w(1/a)
Method Name: D:\Methods\Inst13\VB110522ms13.M
Calibration Table Last Updated: Mon Nov 07 15:16:10 2022

Methylene chloride

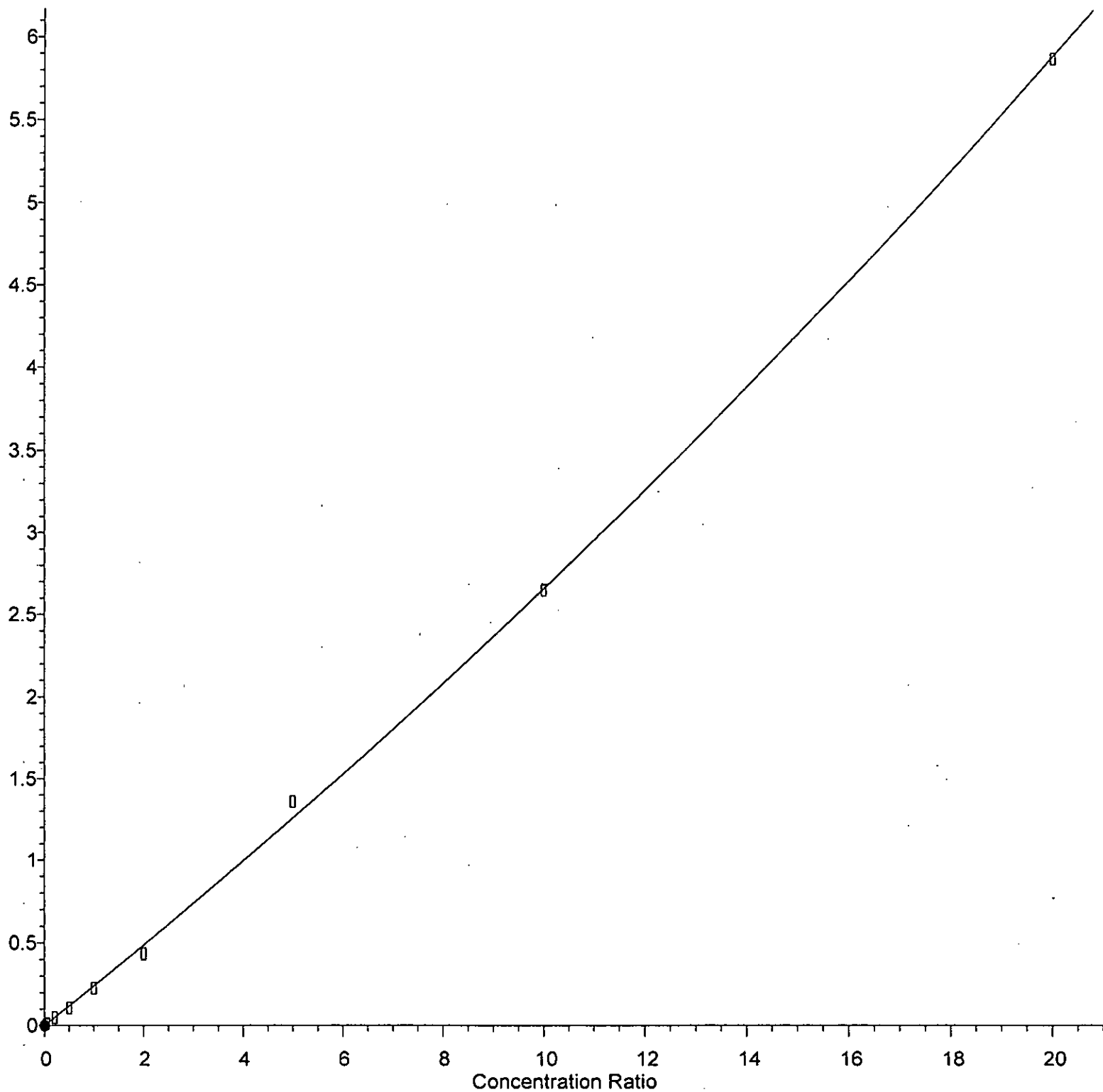
Response Ratio



$R = 1.319e-004 A^2 + 2.673e-001 A + 3.237e-002$
Coef of Det (r^2) = 0.999971 Curve Fit: Quadratic w(1/a)
Method Name: D:\Methods\Inst13\VB110522ms13.M
Calibration Table Last Updated: Mon Nov 07 15:16:10 2022

2,2-Dichloropropane

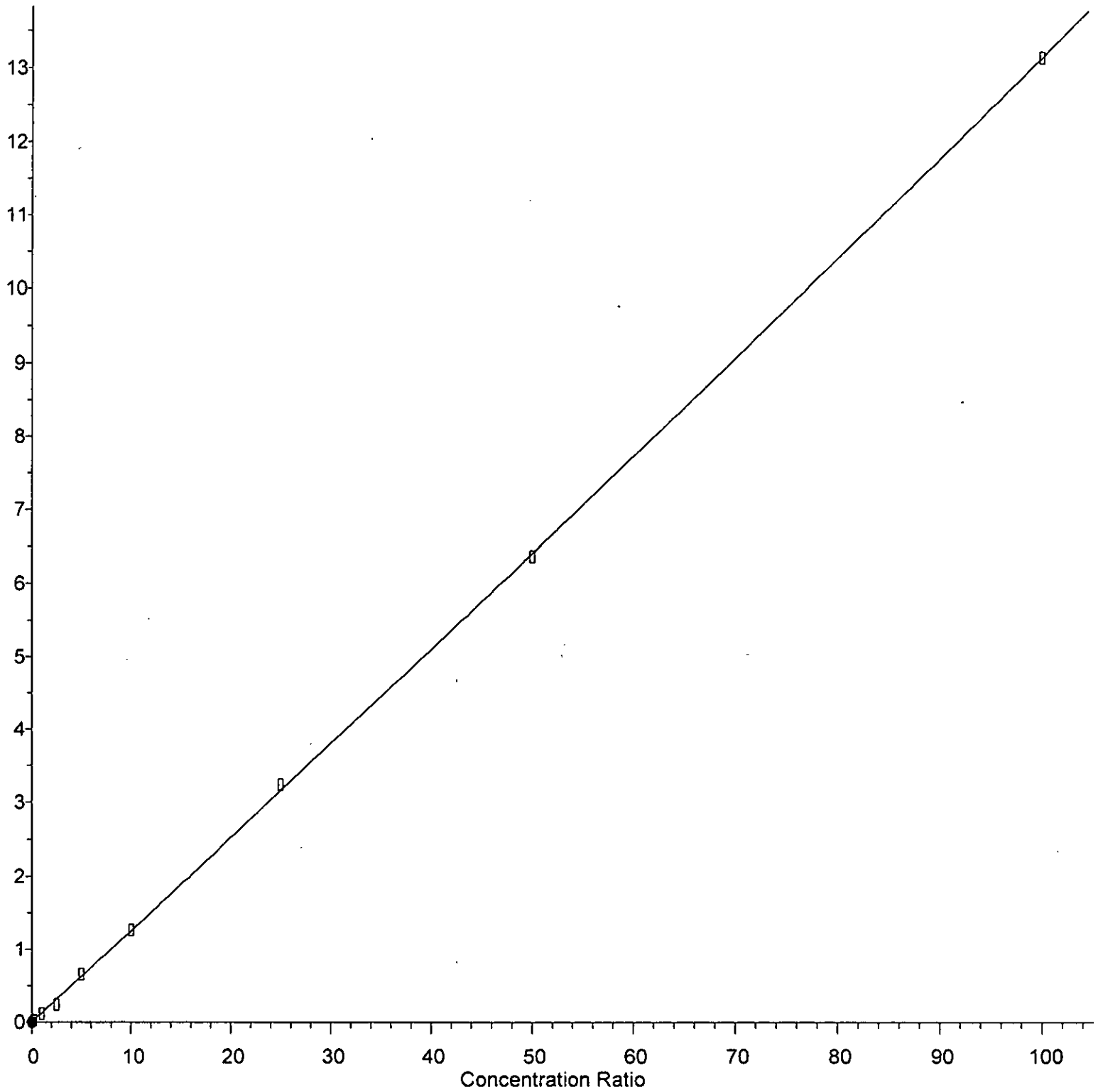
Response Ratio



$R = 2.871e-003 A^2 + 2.371e-001 A + 9.319e-004$
Coef of Det (r^2) = 0.998636 Curve Fit: Quadratic w(1/a)
Method Name: D:\Methods\Inst13\VB110522ms13.M
Calibration Table Last Updated: Mon Nov 07 15:16:10 2022

2-Butanone (MEK)

Response Ratio



$R = 7.131e-005 A^2 + 1.245e-001 A + 3.231e-003$

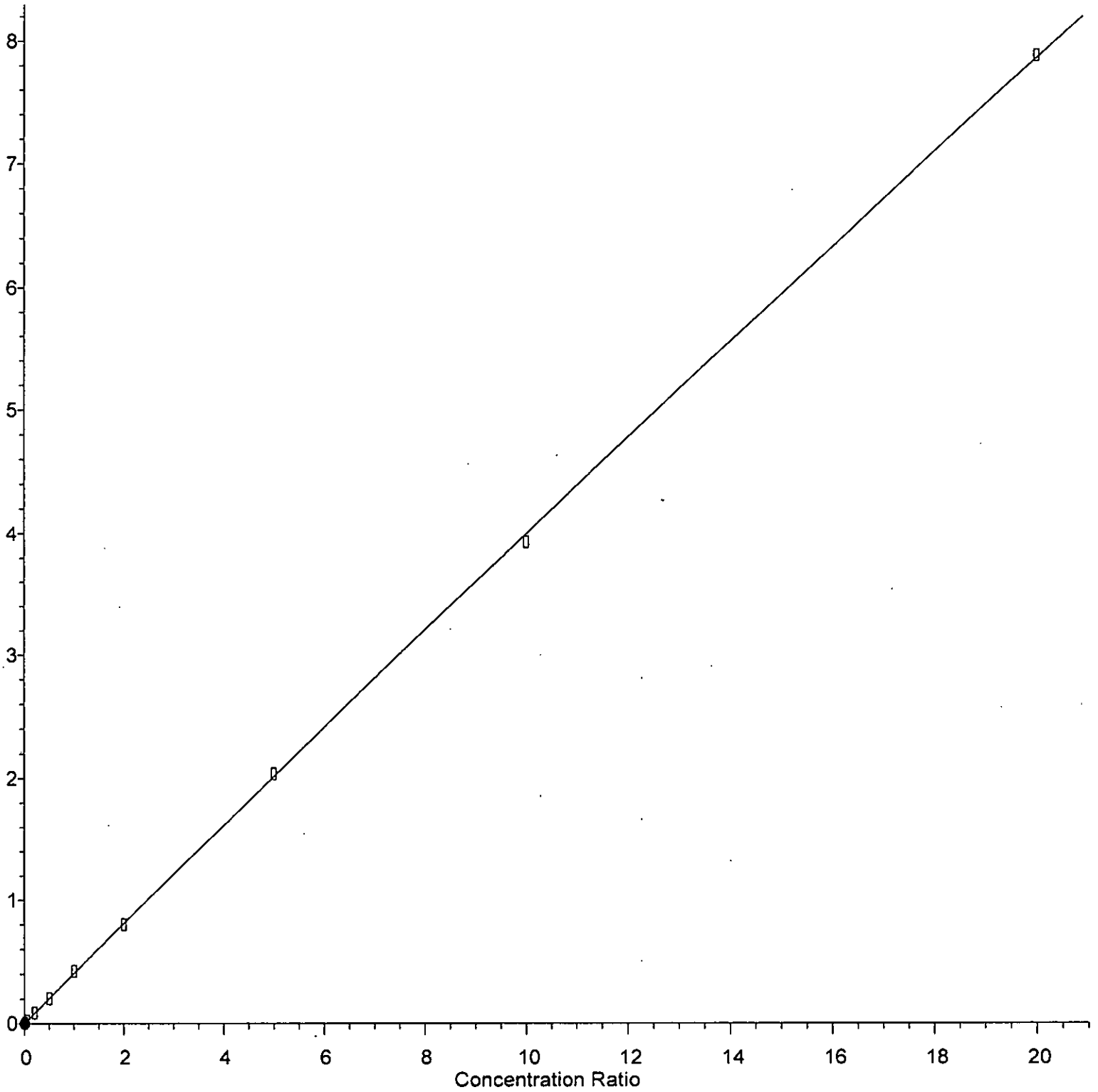
Coef of Det (r^2) = 0.999041 Curve Fit: Quadratic w(1/a)

Method Name: D:\Methods\Inst13\VB110522ms13.M

Calibration Table Last Updated: Mon Nov 07 15:16:10 2022

1,2-Dichloroethane (EDC)

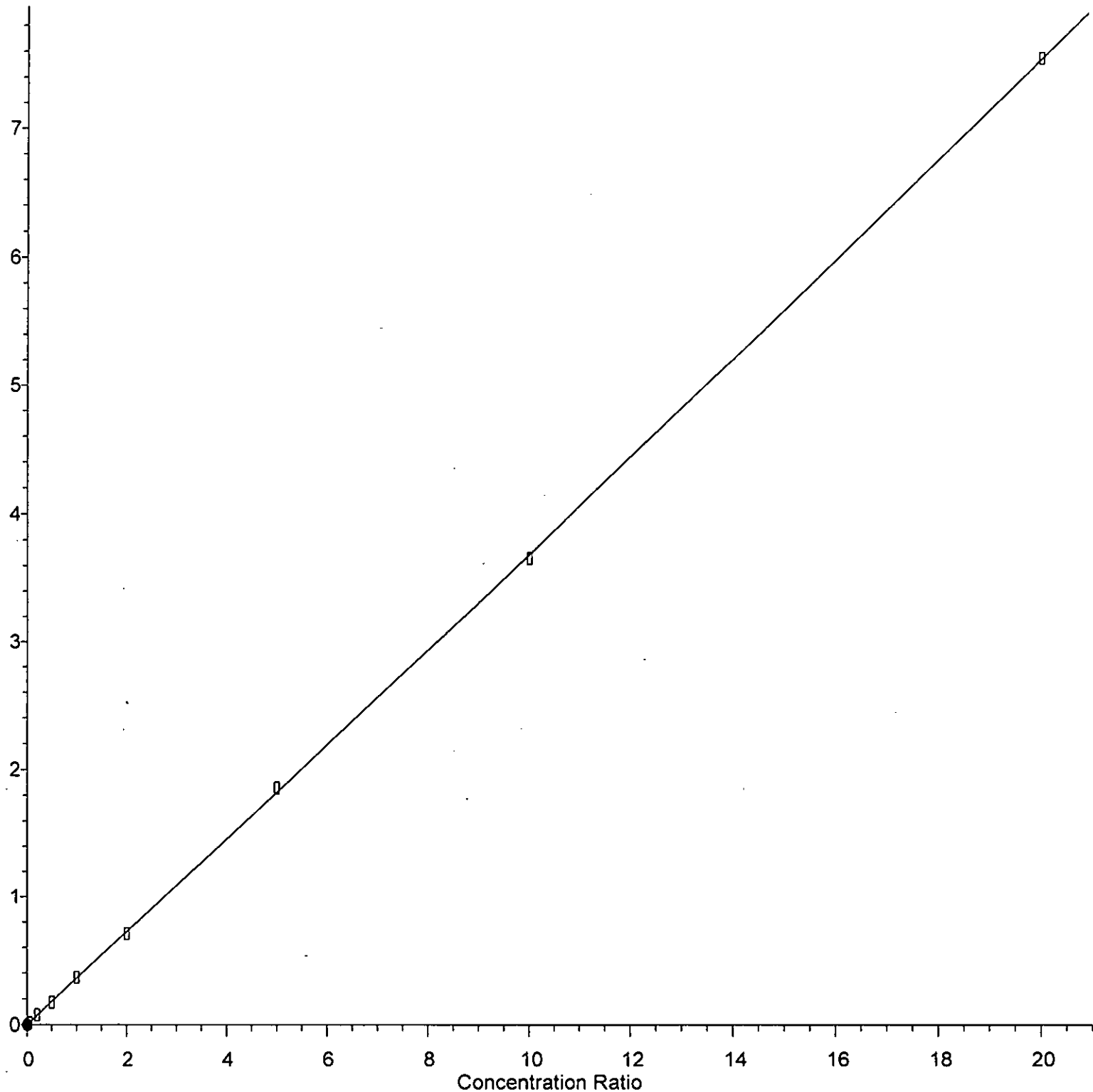
Response Ratio



$R = -5.900e-004 A^2 + 4.054e-001 A + 1.585e-003$
Coef of Det (r^2) = 0.999825 Curve Fit: Quadratic w(1/a)
Method Name: D:\Methods\Inst13\VB110522ms13.M
Calibration Table Last Updated: Mon Nov 07 15:16:10 2022

1,1-Dichloropropene

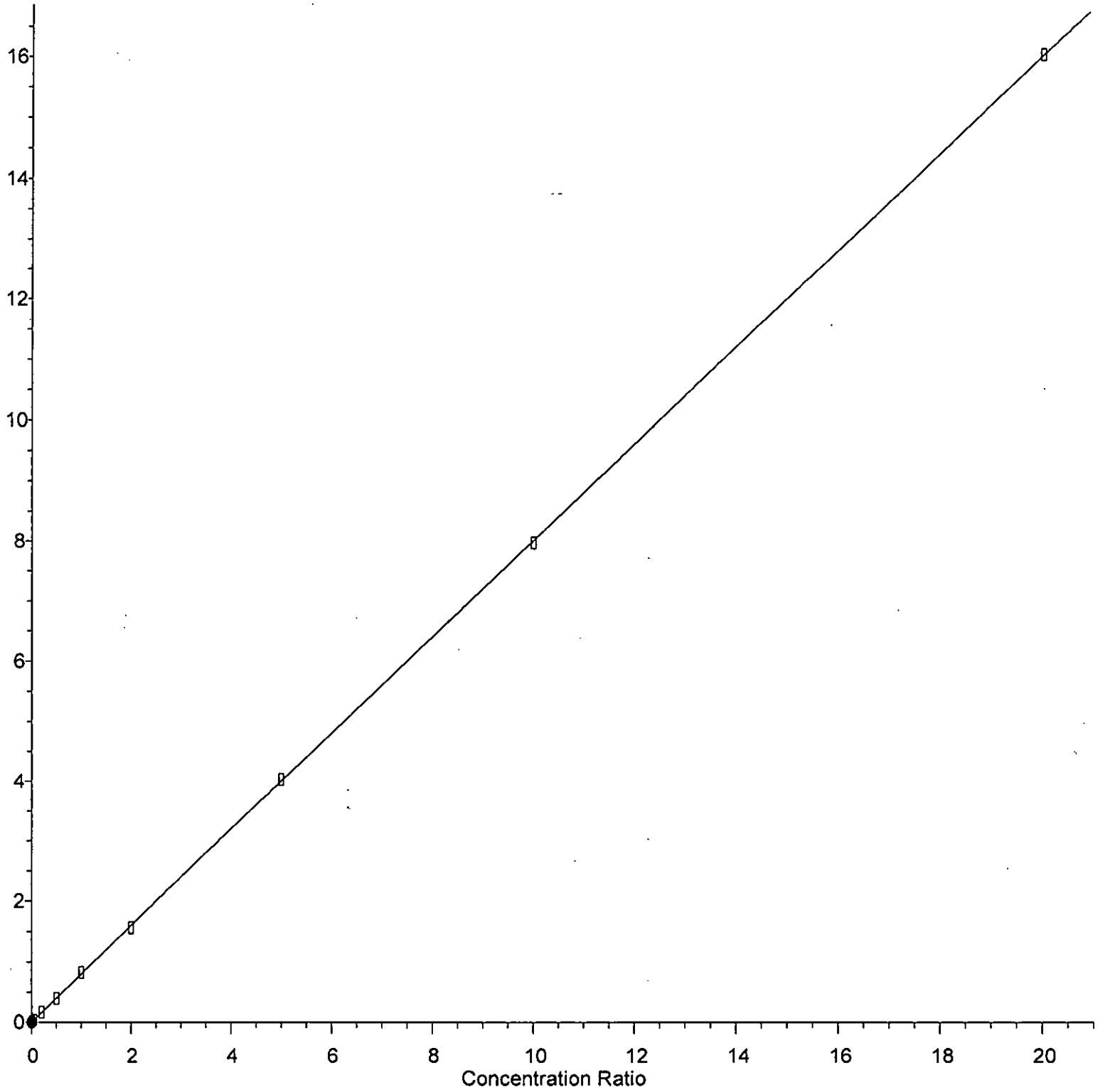
Response Ratio



$R = 8.977e-004 A^2 + 3.598e-001 A + 7.520e-004$
Coef of Det (r^2) = 0.999864 Curve Fit: Quadratic w(1/a)
Method Name: D:\Methods\Inst13\VB110522ms13.M
Calibration Table Last Updated: Mon Nov 07 15:16:10 2022

Toluene

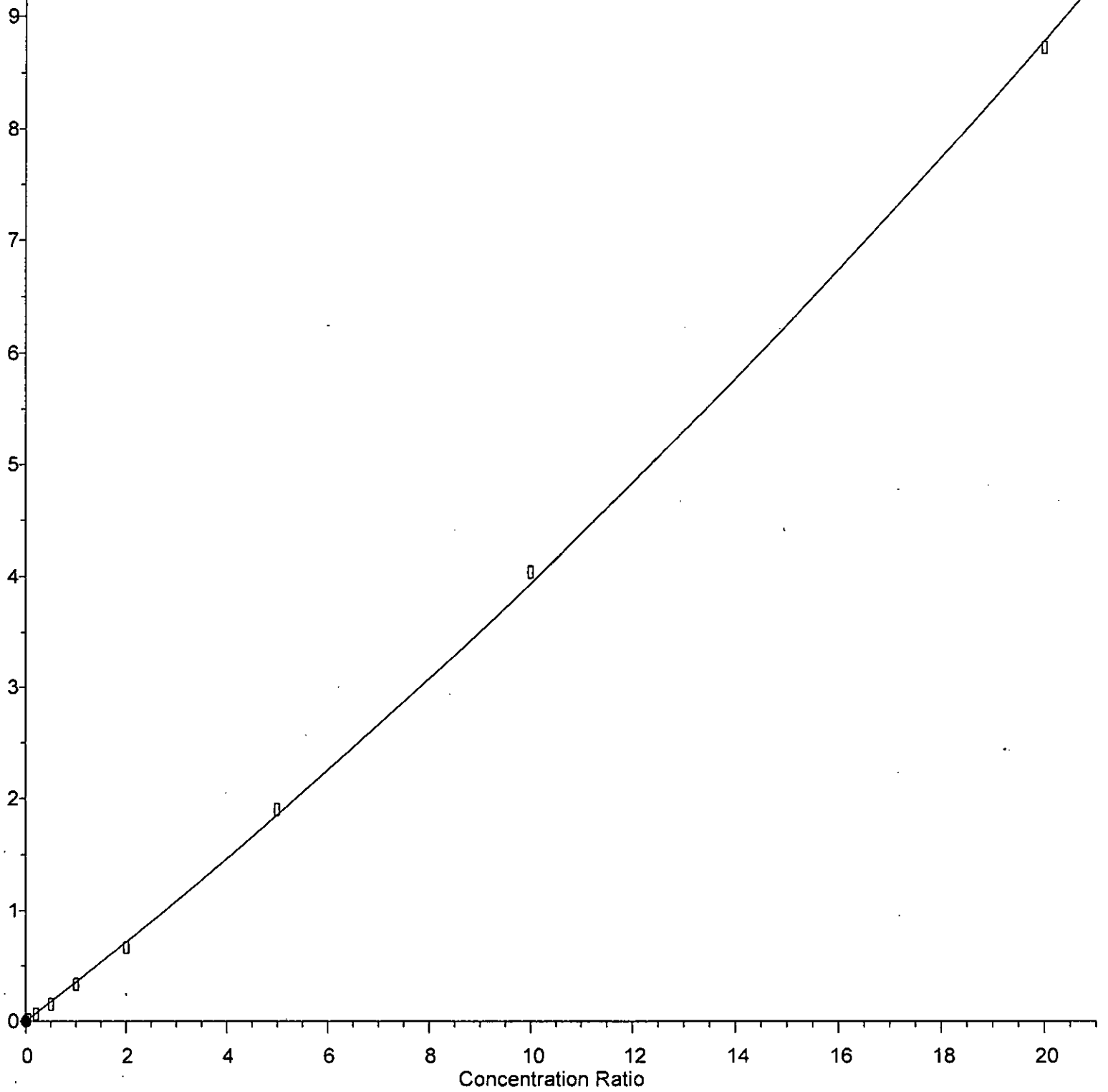
Response Ratio



$R = 1.206e-004 A^2 + 8.001e-001 A + 1.372e-003$
Coef of Det (r^2) = 0.999909 Curve Fit: Quadratic w(1/a)
Method Name: D:\Methods\Inst13\VB110522ms13.M
Calibration Table Last Updated: Mon Nov 07 15:16:10 2022

trans-1,3-Dichloropropene

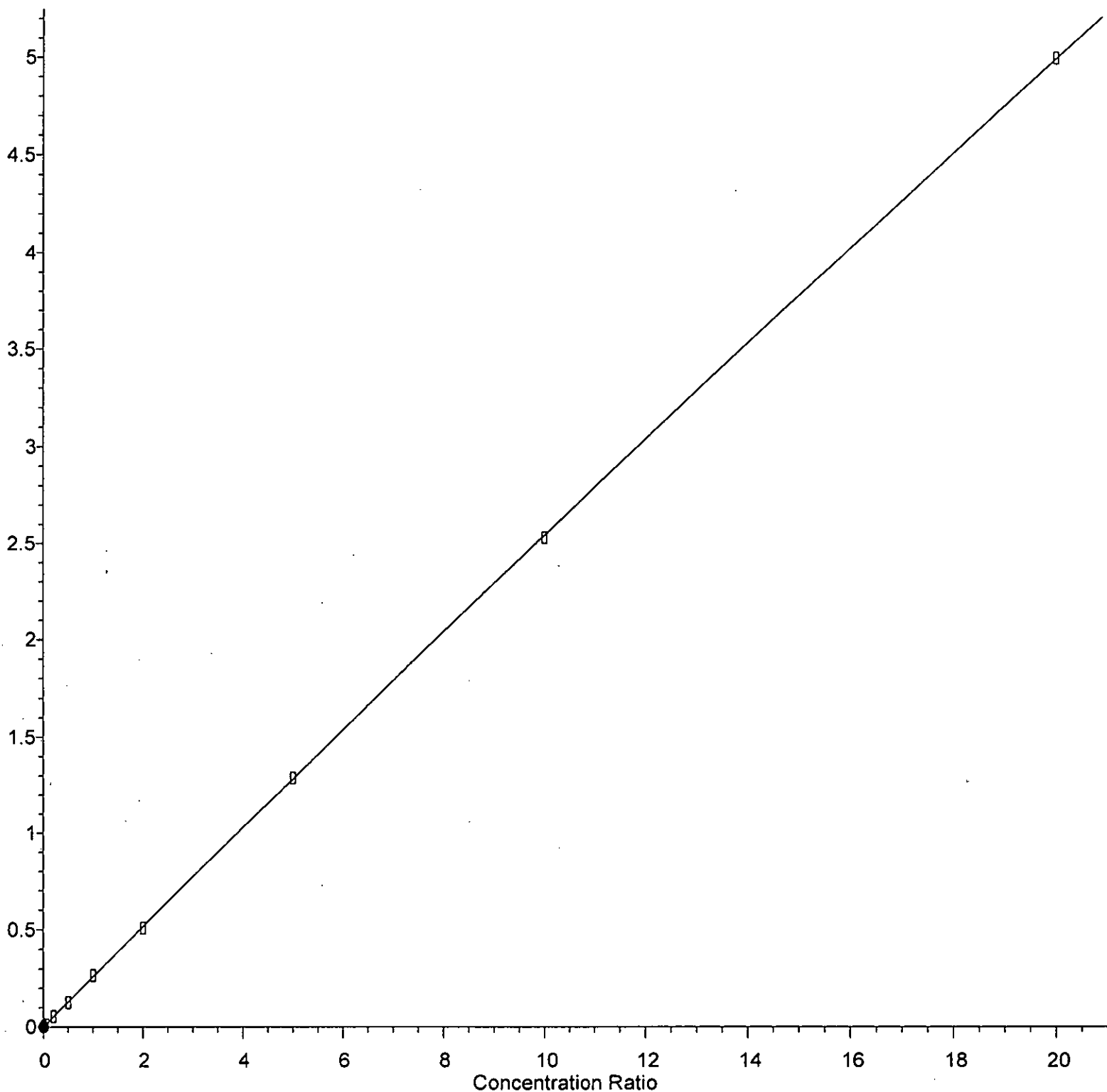
Response Ratio



$R = 4.600e-003 A^2 + 3.478e-001 A - 1.400e-004$
Coef of Det (r^2) = 0.999210 Curve Fit: Quadratic w(1/a)
Method Name: D:\Methods\Inst13\VB110522ms13.M
Calibration Table Last Updated: Mon Nov 07 15:16:10 2022

1,1,2-Trichloroethane

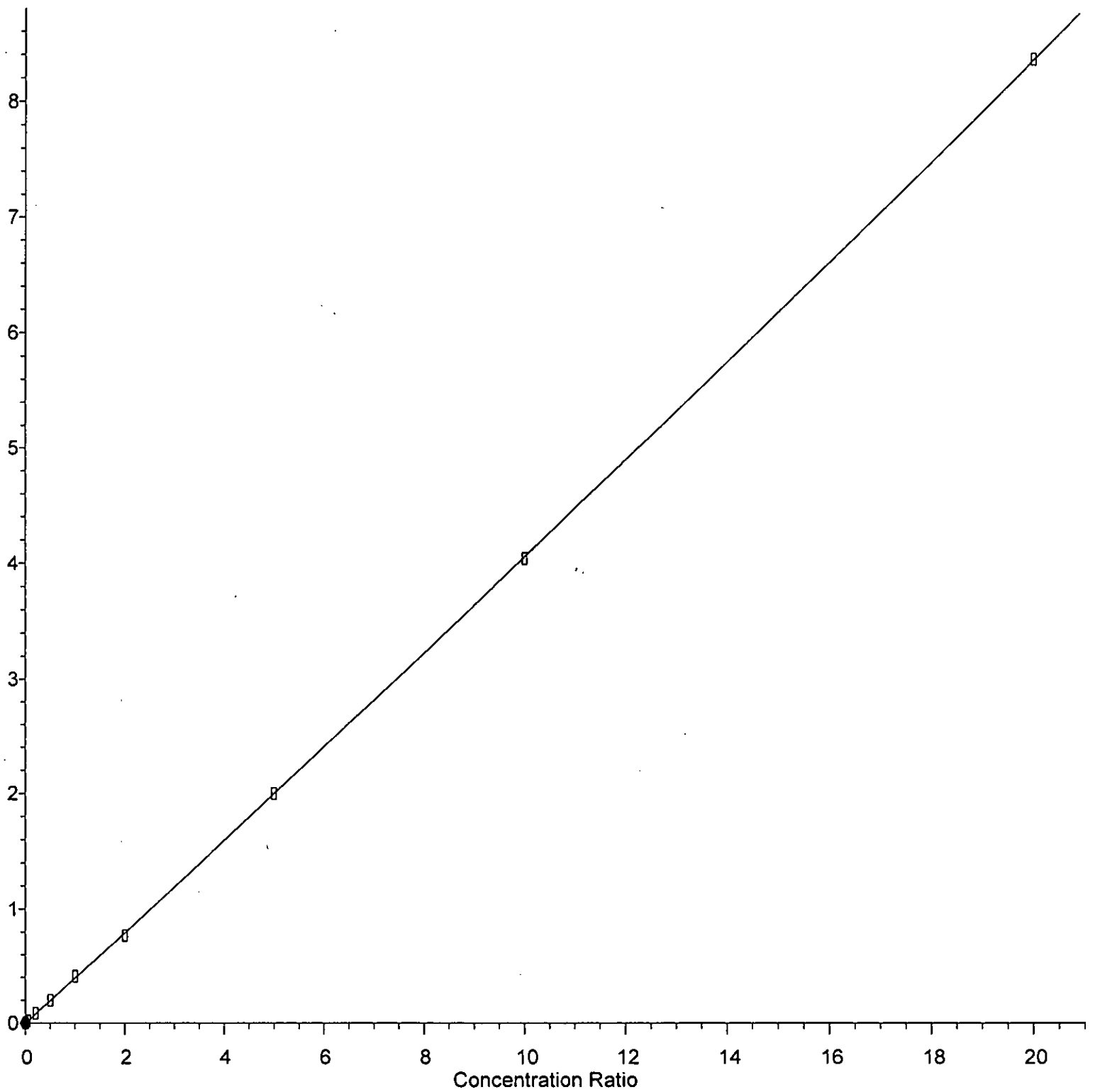
Response Ratio



$R = -4.579e-004 A^2 + 2.588e-001 A + 3.601e-004$
Coef of Det (r^2) = 0.999920 Curve Fit: Quadratic w(1/a)
Method Name: D:\Methods\Inst13\VB110522ms13.M
Calibration Table Last Updated: Mon Nov 07 15:16:10 2022

Tetrachloroethene

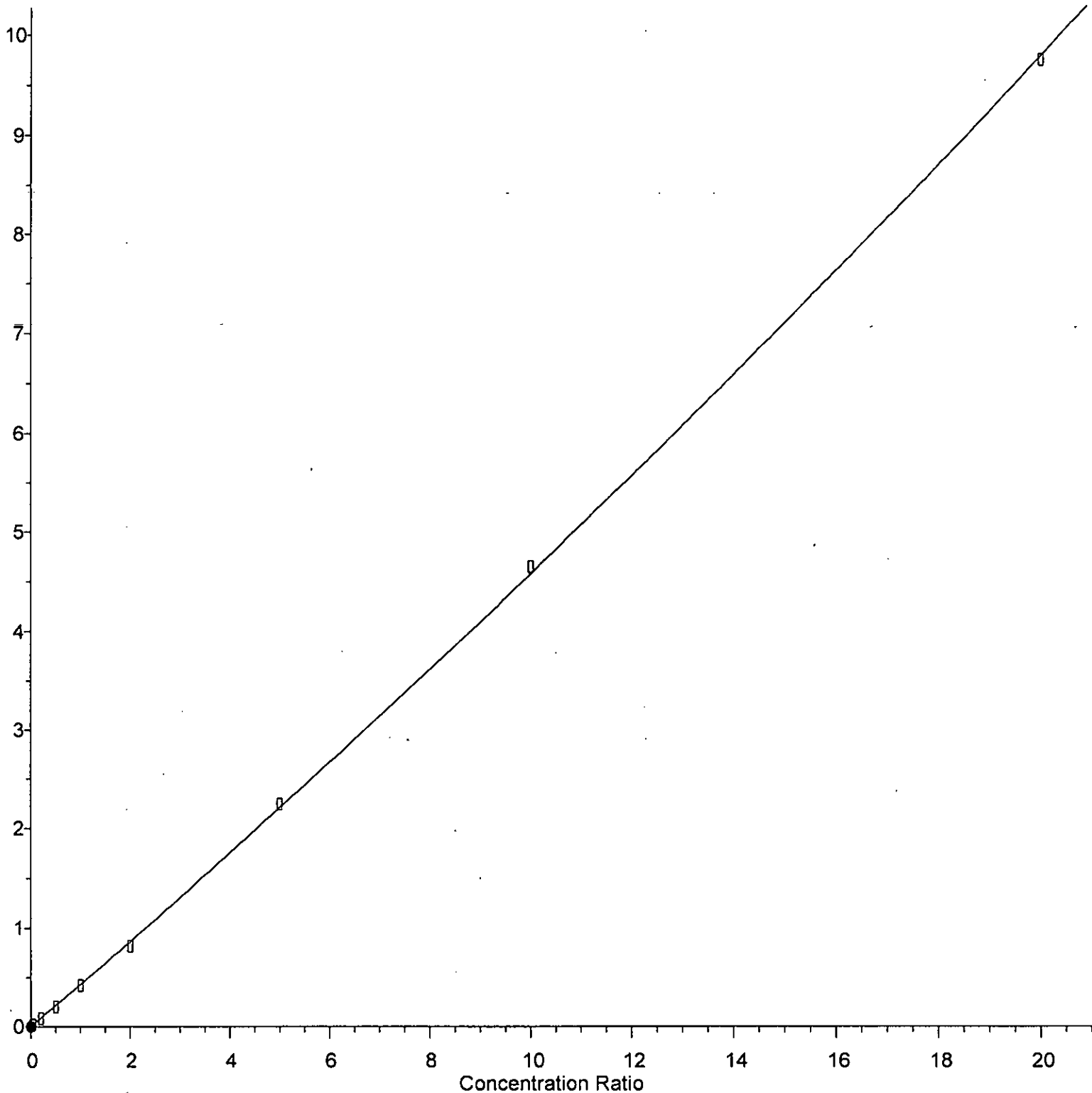
Response Ratio



$R = 1.268e-003 A^2 + 3.929e-001 A + 8.166e-004$
Coef of Det (r^2) = 0.999873 Curve Fit: Quadratic w(1/a)
Method Name: D:\Methods\Inst13\VB110522ms13.M
Calibration Table Last Updated: Mon Nov 07 15:16:10 2022

Dibromochloromethane

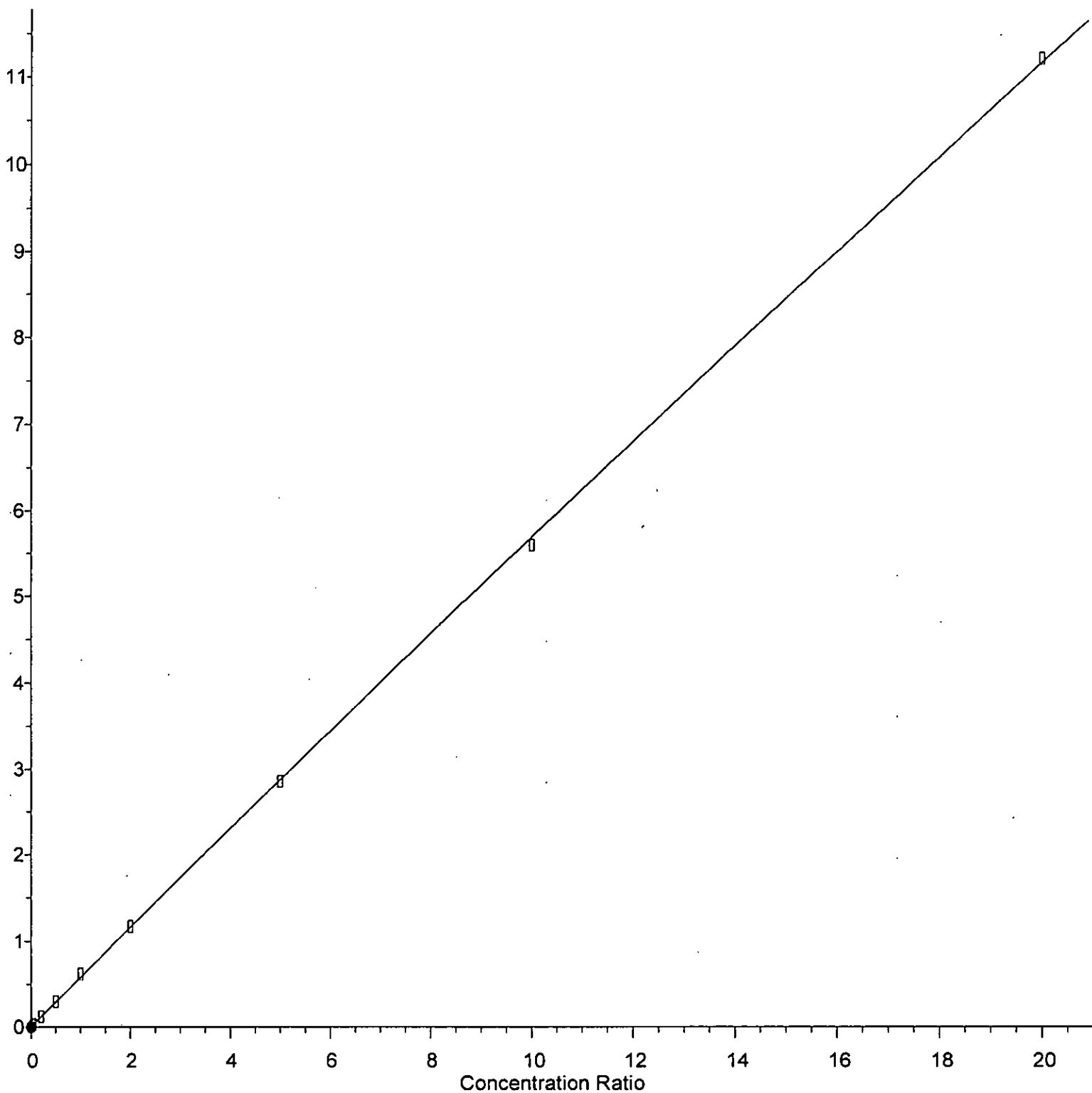
Response Ratio



$R = 3.269e-003 A^2 + 4.257e-001 A + 1.234e-003$
Coef of Det (r^2) = 0.999691 Curve Fit: Quadratic w(1/a)
Method Name: D:\Methods\Inst13\VB110522ms13.M
Calibration Table Last Updated: Mon Nov 07 15:16:10 2022

1,1,2,2-Tetrachloroethane

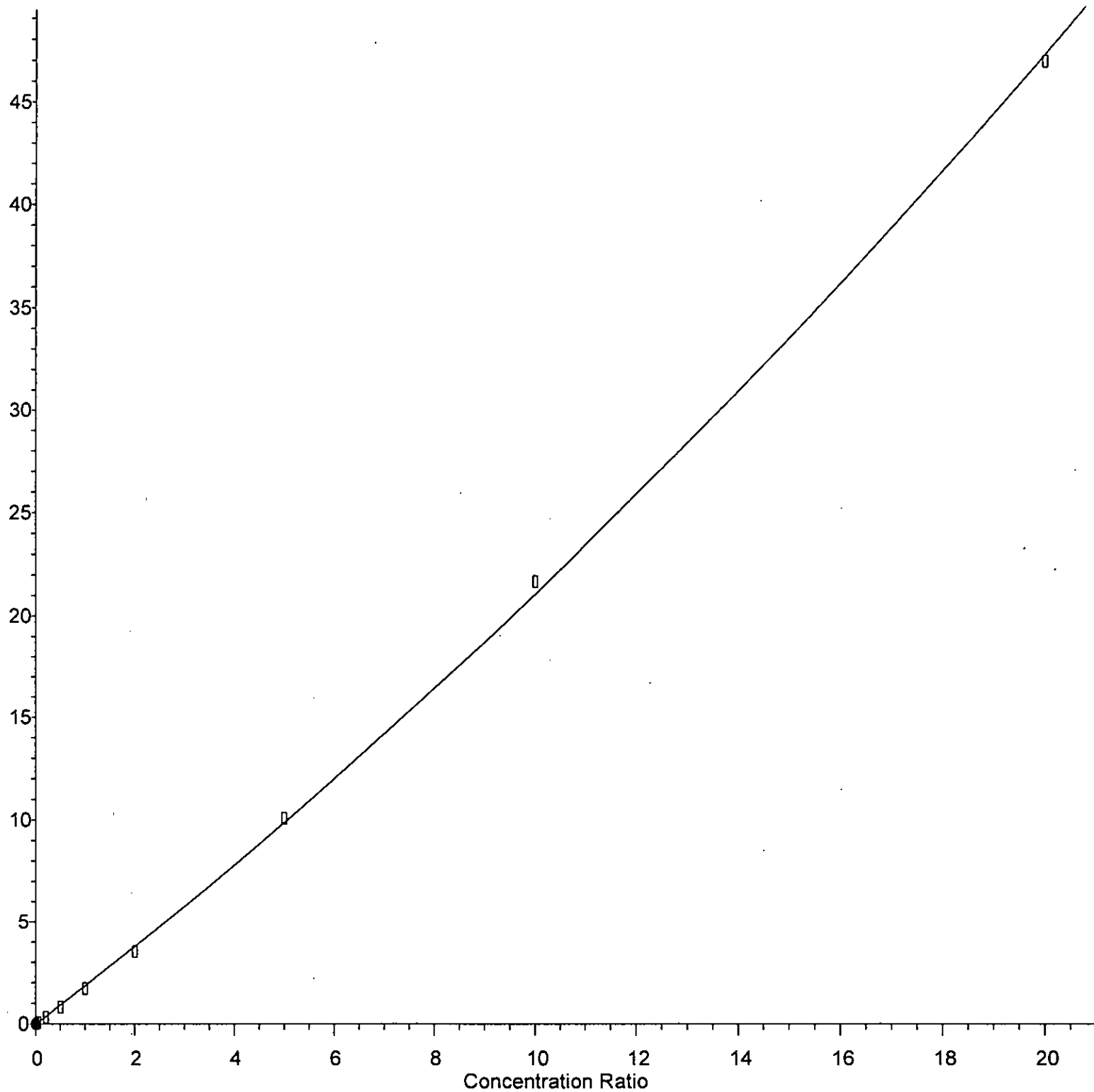
Response Ratio



$R = -1.016e-003 A^2 + 5.790e-001 A + 5.837e-003$
Coef of Det (r^2) = 0.999756 Curve Fit: Quadratic w(1/a)
Method Name: D:\Methods\Inst13\VB110522ms13.M
Calibration Table Last Updated: Mon Nov 07 15:16:10 2022

Naphthalene

Response Ratio



$R = 2.615e-002 A^2 + 1.847e+000 A - 1.442e-002$
Coef of Det (r^2) = 0.999269 Curve Fit: Quadratic w(1/a)
Method Name: D:\Methods\Inst13\VB110522ms13.M
Calibration Table Last Updated: Mon Nov 07 15:16:10 2022

GC/MS ICAL Checklist

Instrument: GC/MS 13

Sequence Date: 1.05.22 / 11.07.22 Shift # 1

Item	Initial	Date
Shift and Batch		
Initial Calibration Analyzed, Evaluated and Passed	✓ <i>WY</i>	11.07.22
2nd source passed	✓	|
Analyte retention time checked	✓	|
Tune passed	✓	|
Non-Conformance Report filled out (if needed)	NA	|

Notes: *toluene failed high in SCV 18150 ppb but*
SCV analyzed on 11.07.22 used prep vials
WY 11.07.22

Attach this sheet to raw data package.

YA 11/14/22
 Supervisor Initials and Date

GC/MS QA-QC Check Report

Tune File : D:\Proc_GCMS13\11-05-22\110503.D

Tune Time : 05 Nov 2022 10:22 am

Daily Calibration File : D:\Proc_GCMS13\11-05-22\110514.D

(DMF) (DHL) (TOL) (BFB)

104308

87057

51133

File	Sample	Surrogate Recovery %				Internal Standard Responses		
110506.D	0.02 ppb 8	101	100	99	104	110742	89451	50648
110507.D	0.04 ppb 8	95	104	99	106	111750	92506	50709
110508.D	0.1 ppb 82	102	104	100	105	109470	90583	50314
110509.D	0.2 ppb 8	101	104	97	105	108326	89660	50001
110510.D	0.5 ppb 82	101	95	96	100	111564	90038	50622
110511.D	1 ppb 8260	99	102	101	99	110201	89750	52061
110512.D	2 ppb 8260	100	99	100	98	108368	87014	51026
110513.D	5 ppb 8260	97	97	99	100	109707	88629	50120
110514.D	10 ppb 826	100	105	102	100	104308	87057	51133
110515.D	20 ppb 826	100	97	101	96	105008	89462	52775
110516.D	50 ppb 826	101	94	100	95	104359	89151	54409
110517.D	100 ppb 82	101	98	103	96	105192	89610	53646
110518.D	150 ppb 82	98	100	102	95	106741	92515	56204
110519.D	200 ppb 82	102	103	102	94	105227	91763	54540

(fails) - fails 12hr time check * - fails criteria

Created: Mon Nov 07 15:53:07 2022 GCMS13

GC/MS QA-QC Check Report

Tune File : D:\Proc_GCMS13\11-07-22\110706.D

Tune Time : 07 Nov 2022 10:34 am

Daily Calibration File : D:\Proc_GCMS13\11-07-22\110706.D

(DMF) (DHL) (TOL) (BFB)

107809 88712 52143

File Sample Surrogate Recovery % Internal Standard Responses

=====

110706.D	10 ppb	826	101	103	101	98	107809	88712	52143
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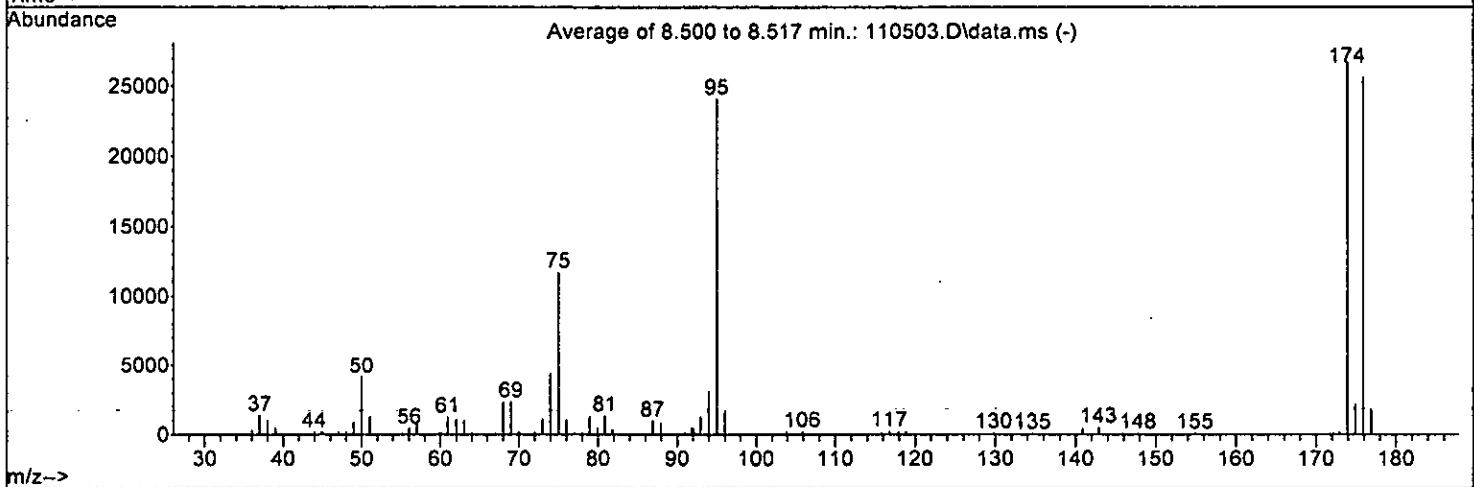
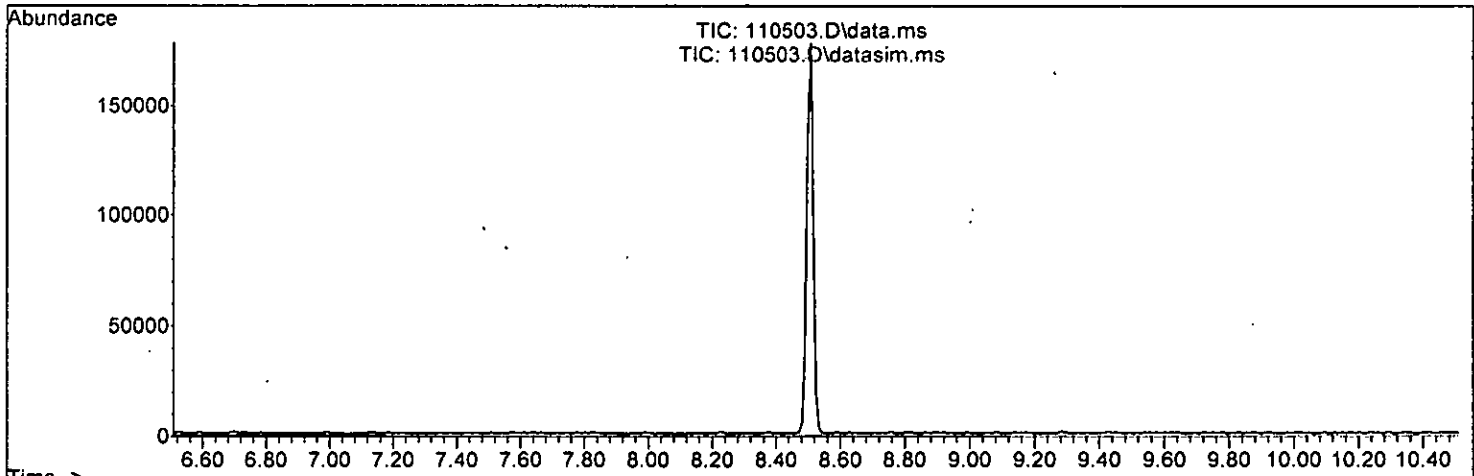
(fails) - fails 12hr time check * - fails criteria

Created: Mon Nov 07 15:51:48 2022 GCMS13

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110503.D
 Acq On : 05 Nov 2022 10:22 am
 Operator : VM
 Sample : 50 ng BFB 67-152A
 Misc : water
 ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: LSCINT.P
 Integration File signal 2: rteint2.p

Method : D:\Methods\Inst13\VB110522ms13.M
 Title : 8260 Purge & Trap Volatiles Dual Acquisition
 Last Update : Mon Nov 07 10:10:04 2022



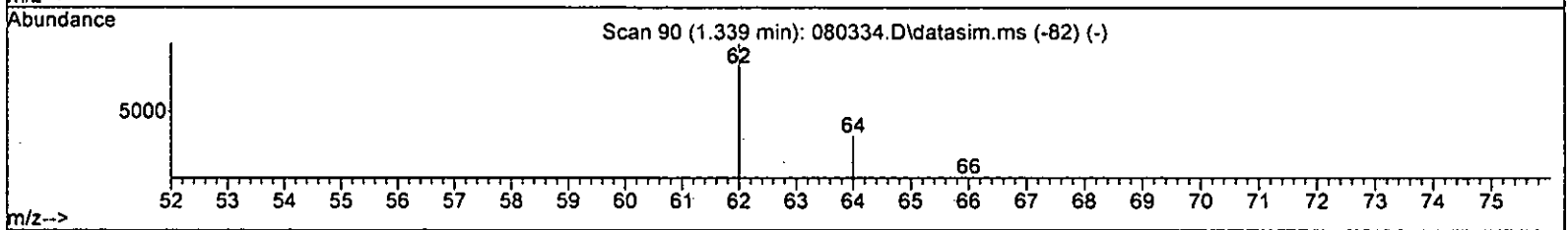
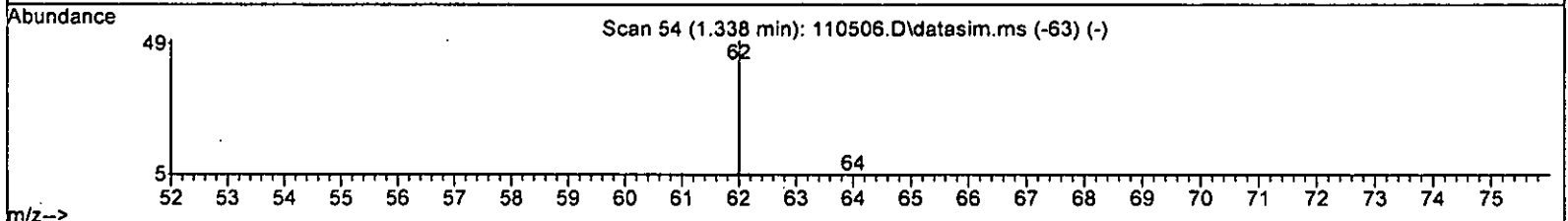
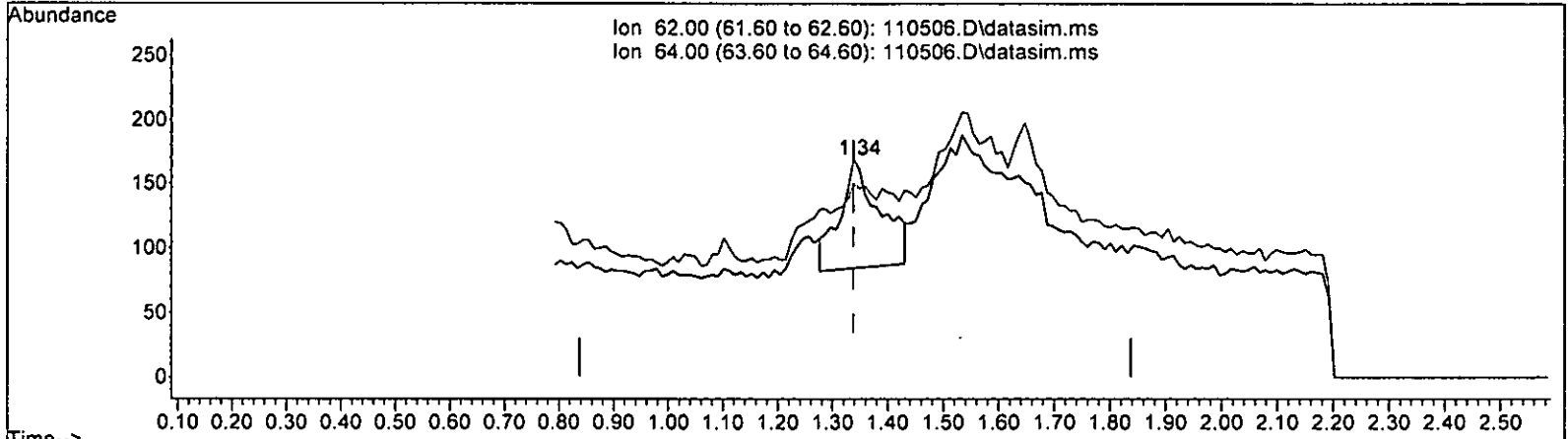
AutoFind: Scans 715, 716, 717; Background Corrected with Scan 709

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result
95	174	50	200	90.0	24071	PASS
96	95	5	9	6.7	1621	PASS
173	174	0.00	2	0.6	157	PASS
174	95	50	200	111.1	26747	PASS
175	174	5	9	8.0	2142	PASS
176	174	95	105	95.8	25611	PASS
177	176	5	10	6.9	1773	PASS

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110506.D
 Acq On : 05 Nov 2022 11:34 am
 Operator : VM
 Sample : 0.02 ppb 8260 ICAL 67-177F
 Misc : soil/water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:09 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110506.D\data.ms

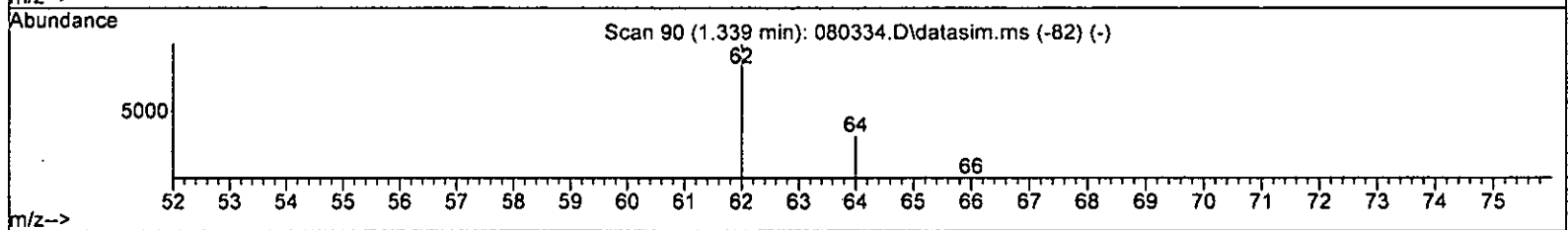
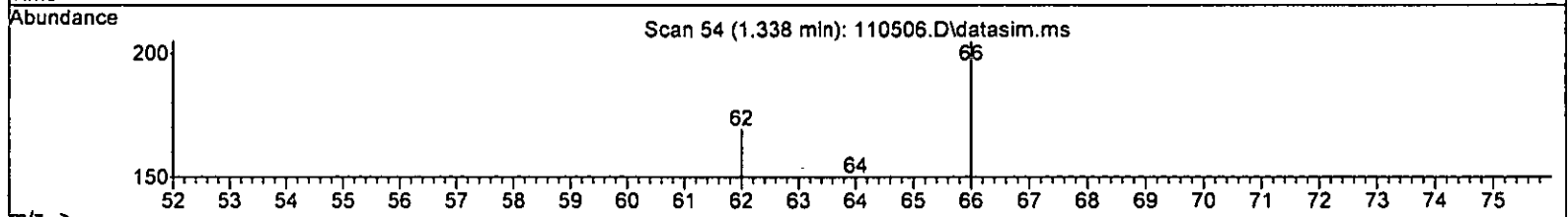
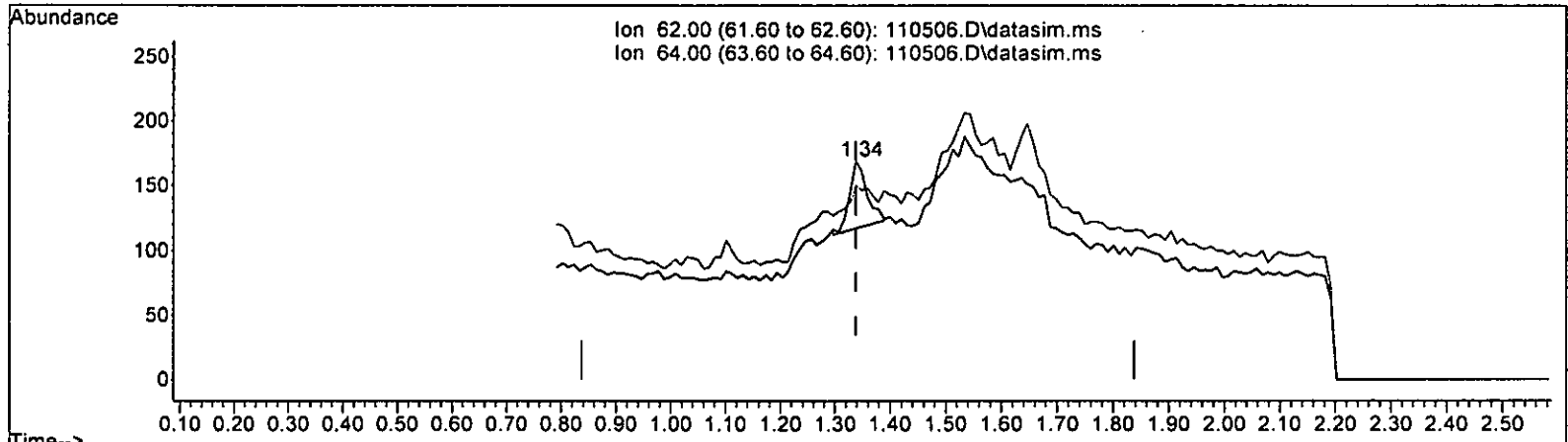
(6) Vinyl chloride (TMP)
 1.338min (-0.000) 0.075 ppb
 response 423

Ion	Exp%	Act%
62.00	100.00	100.00
64.00	34.40	32.26
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110506.D
 Acq On : 05 Nov 2022 11:34 am
 Operator : VM
 Sample : 0.02 ppb 8260 ICAL 67-177F
 Misc : soil/water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:09 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110506.D\data.ms

(6) Vinyl chloride (TMP)

1.338min (-0.000) 0.020 ppb m

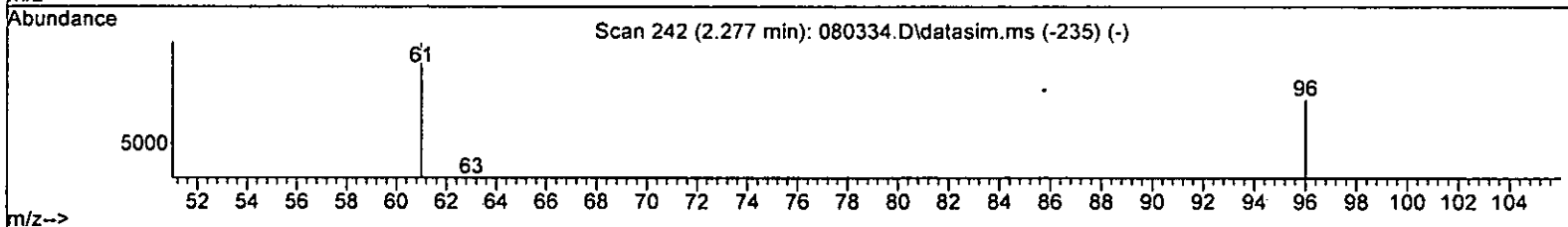
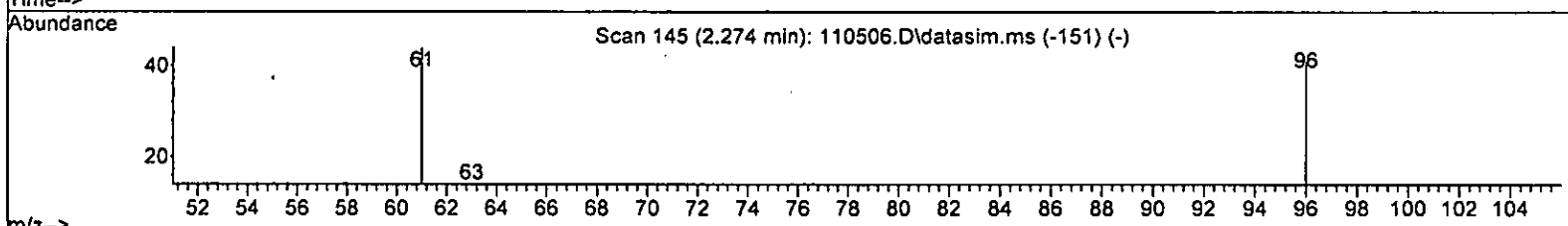
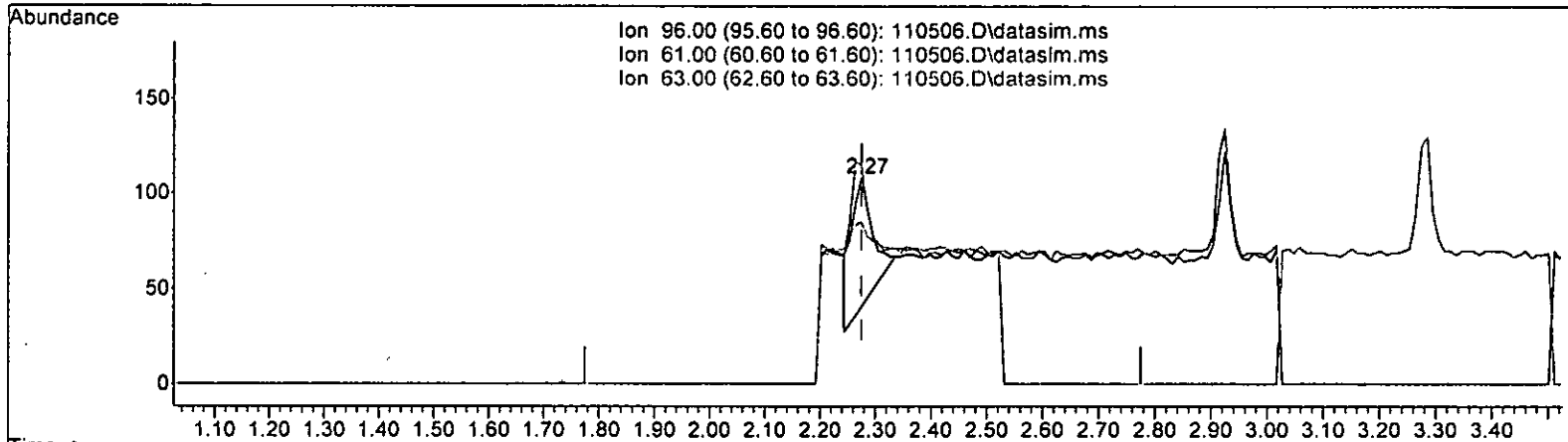
response 115

Ion	Exp%	Act%
62.00	100.00	100.00
64.00	34.40	88.76#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110506.D
 Acq On : 05 Nov 2022 11:34 am
 Operator : VM
 Sample : 0.02 ppb 8260 ICAL 67-177F
 Misc : soil/water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:09 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



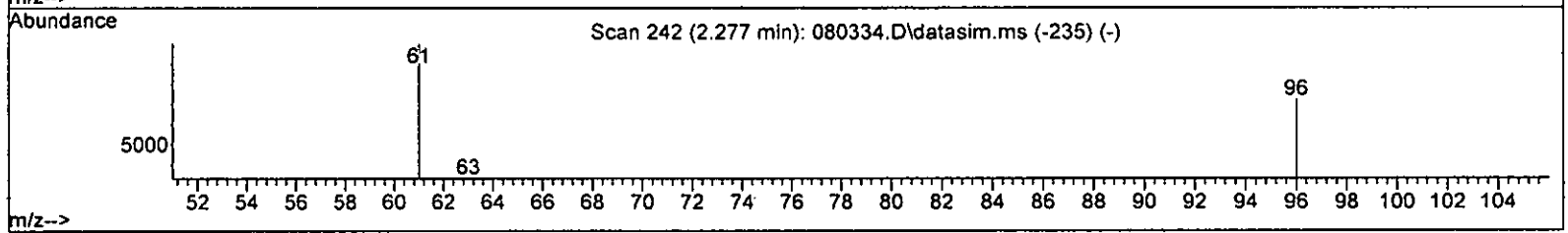
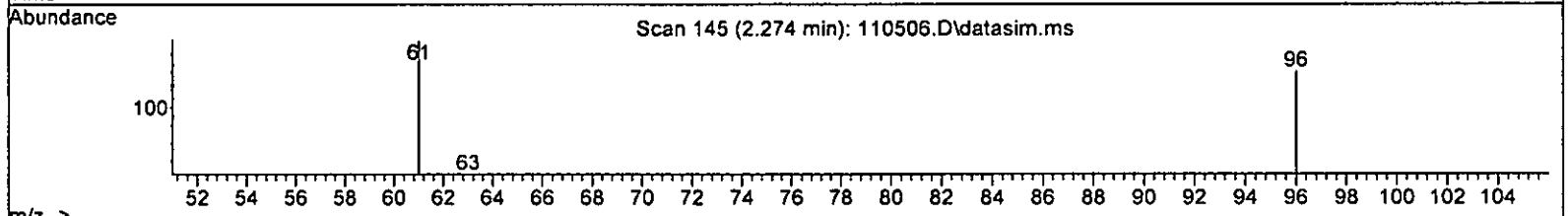
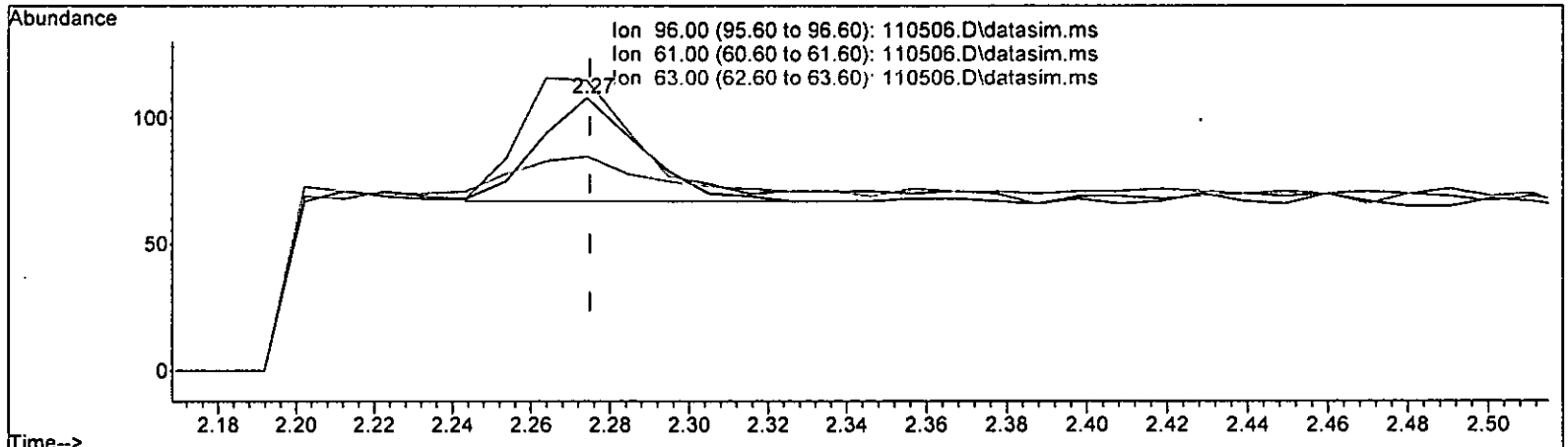
TIC: 110506.D\data.ms

(12)	1,1-Dichloroethene (TMP)	
2.274min (-0.001)	0.059 ppb	
response	185	
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	120.90	114.63
63.00	43.90	34.15
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110506.D
 Acq On : 05 Nov 2022 11:34 am
 Operator : VM
 Sample : 0.02 ppb 8260 ICAL 67-177F
 Misc : soil/water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:09 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110506.D\data.ms

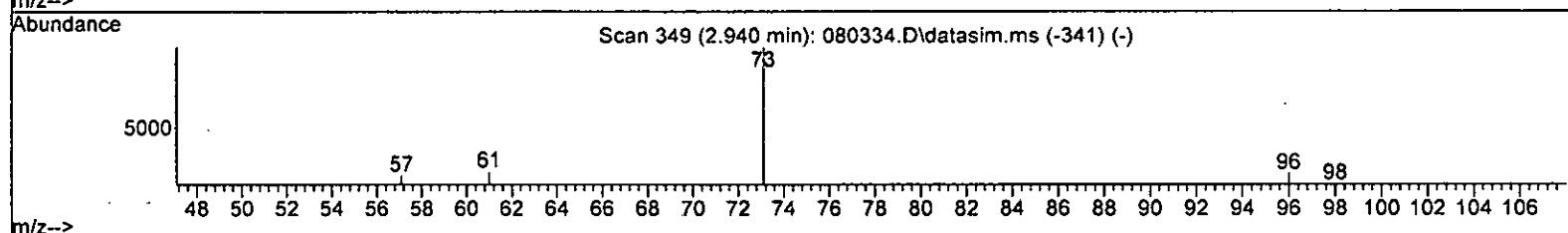
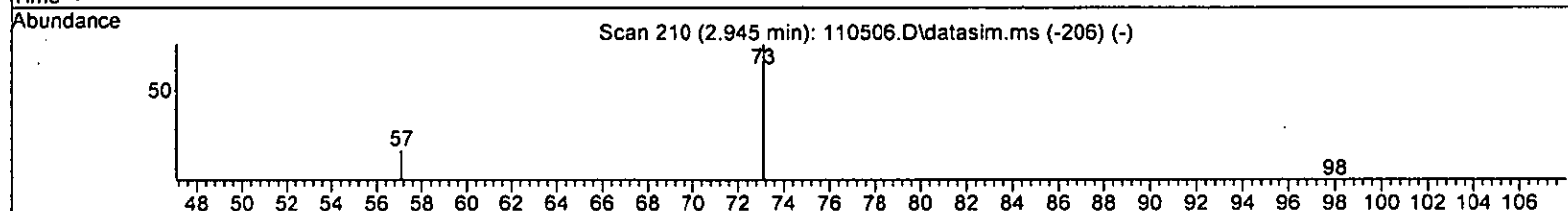
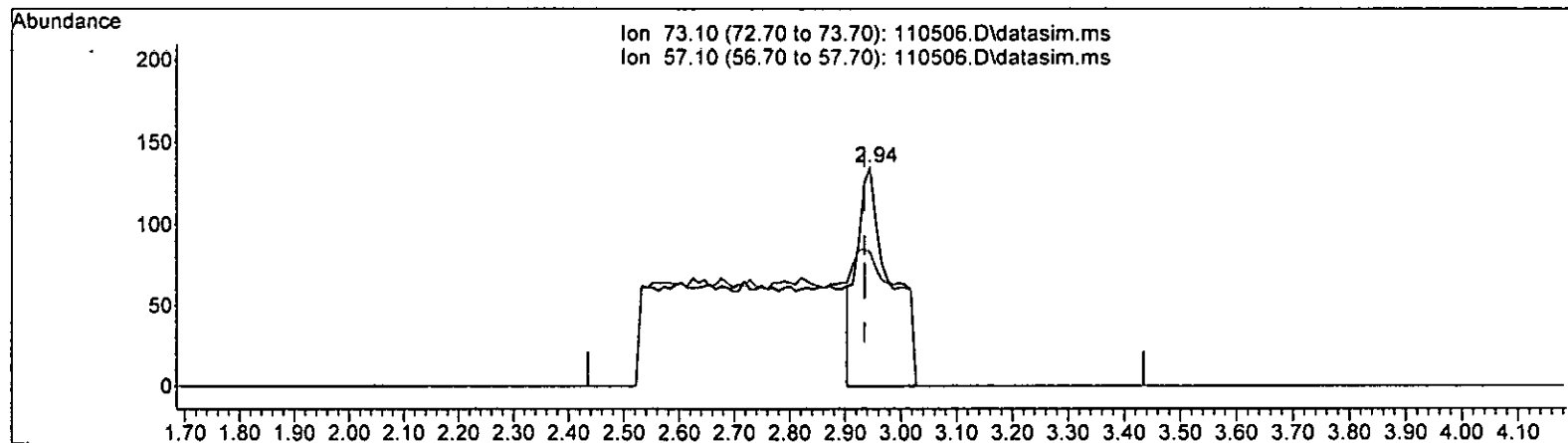
(12) 1,1-Dichloroethene (TMP)
 2.274min (-0.001) 0.023 ppb m

response	74	
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	120.90	106.48
63.00	43.90	78.70#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110506.D
 Acq On : 05 Nov 2022 11:34 am
 Operator : VM
 Sample : 0.02 ppb 8260 ICAL 67-177F
 Misc : soil/water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:09 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110506.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

2.945min (+ 0.010) 0.075 ppb

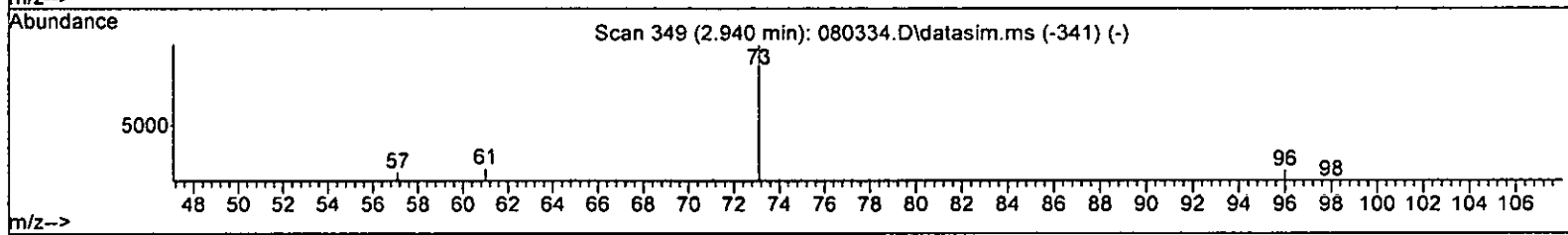
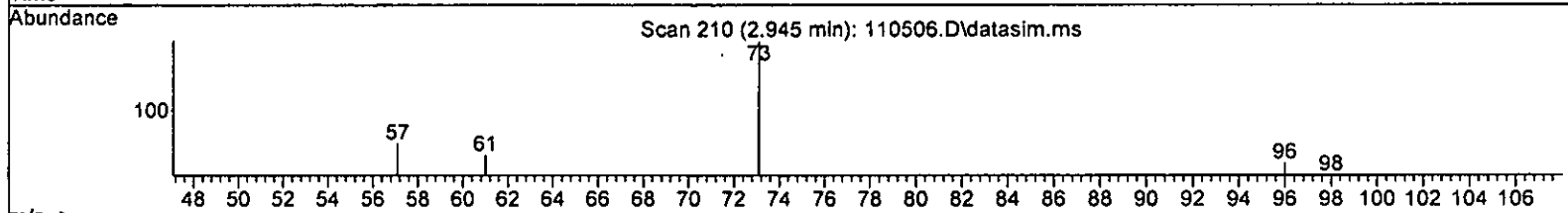
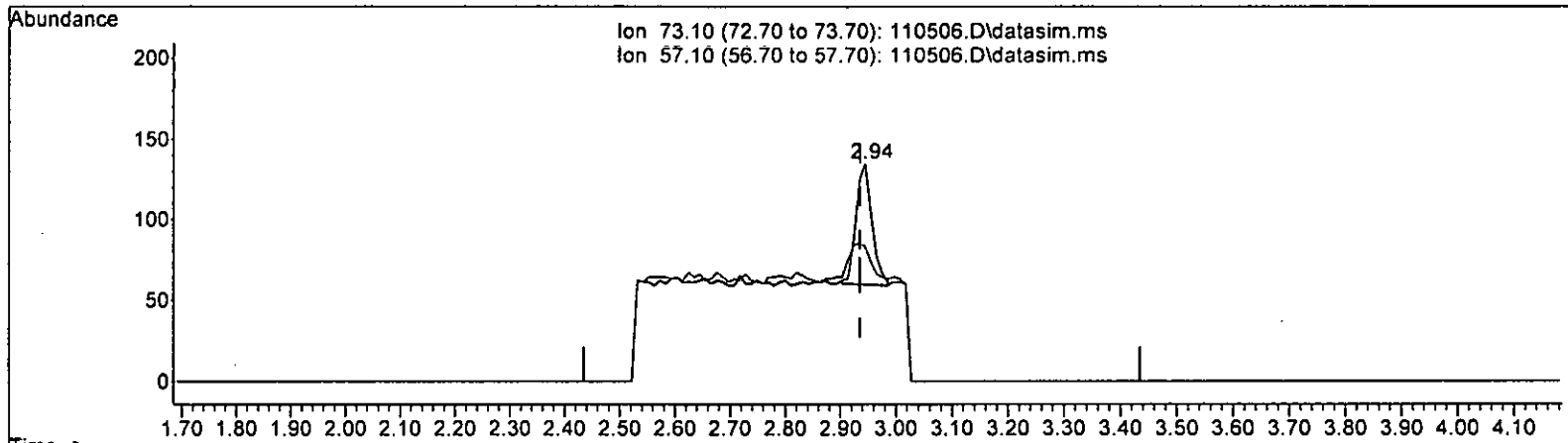
response 555

Ion	Exp%	Act%
73.10	100.00	100.00
57.10	19.40	61.48#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110506.D
 Acq On : 05 Nov 2022 11:34 am
 Operator : VM
 Sample : 0.02 ppb 8260 ICAL 67-177F
 Misc : soil/water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:09 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110506.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

2.945min (+ 0.010) 0.020 ppb m

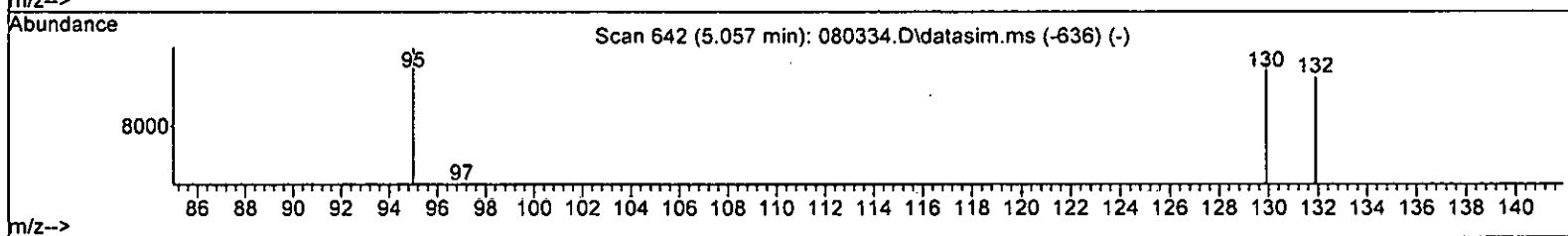
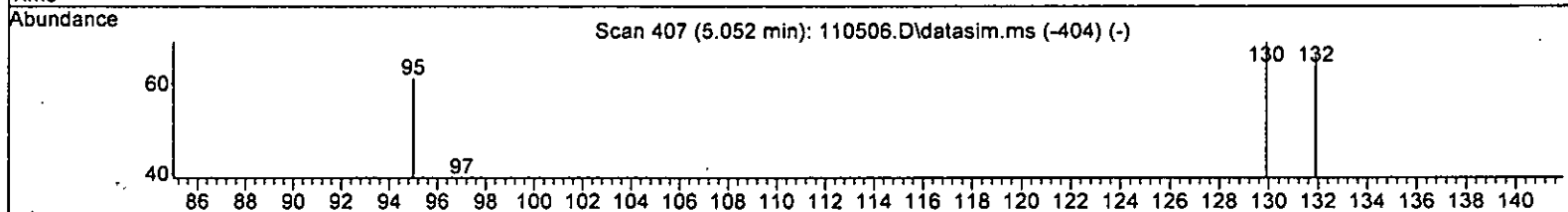
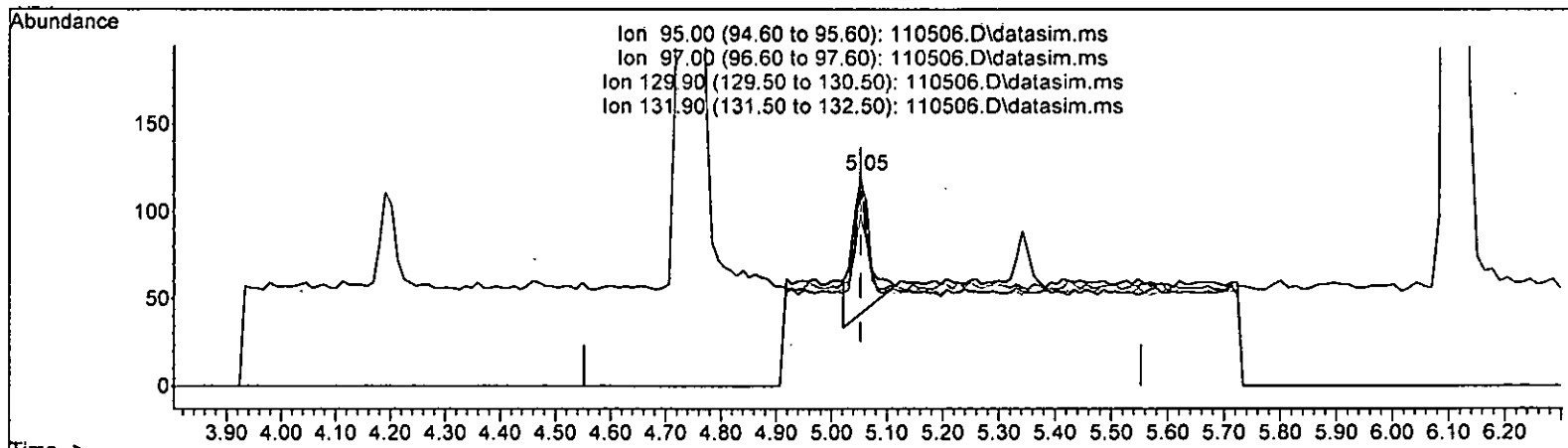
response 147

Ion	Exp%	Act%
73.10	100.00	100.00
57.10	19.40	61.48#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110506.D
 Acq On : 05 Nov 2022 11:34 am
 Operator : VM
 Sample : 0.02 ppb 8260 ICAL 67-177F
 Misc : soil/water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:09 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110506.D\data.ms

(32) Trichloroethene (TME)

5.052min (-0.001) 0.041 ppb

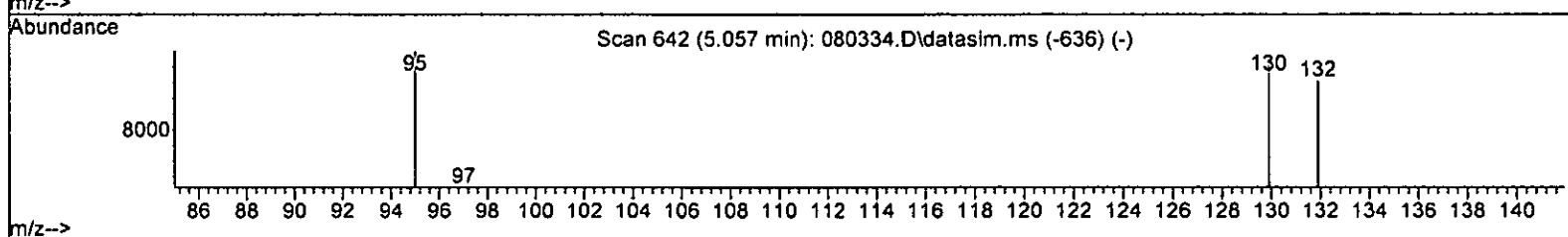
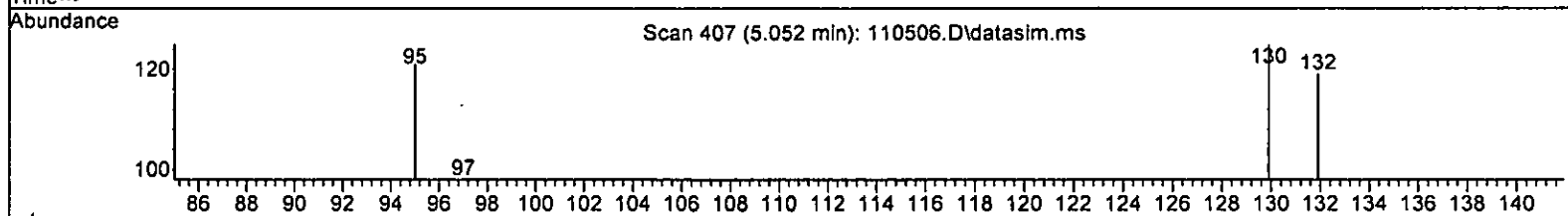
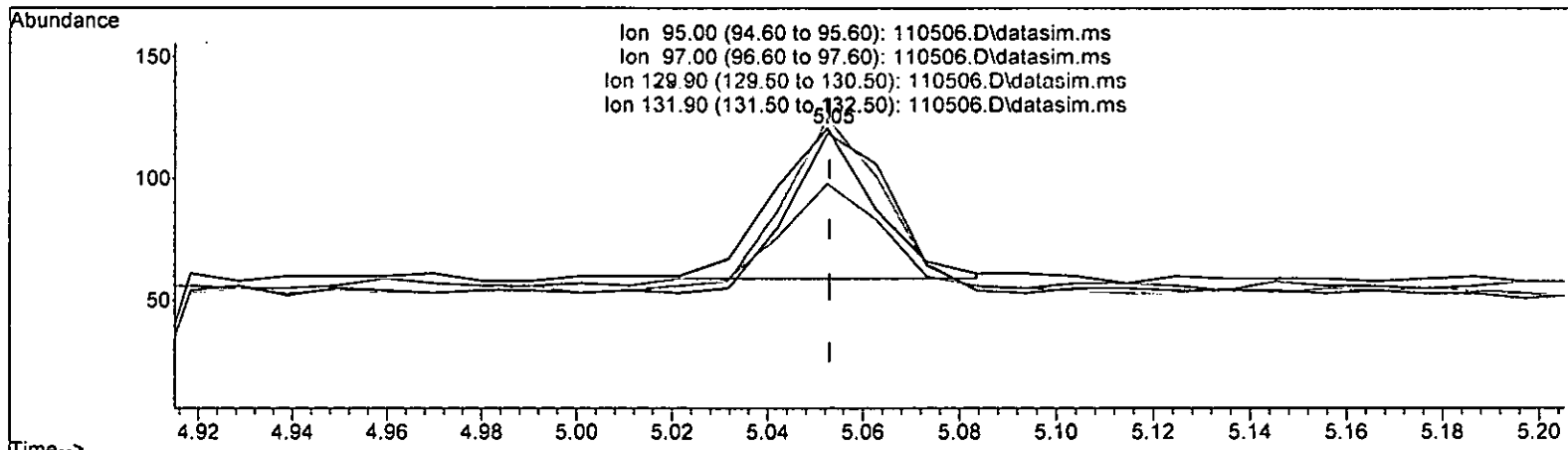
response 168

Ion	Exp%	Act%
95.00	100.00	100.00
97.00	64.60	64.06
129.90	103.40	112.50
131.90	95.80	103.13

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110506.D
 Acq On : 05 Nov 2022 11:34 am
 Operator : VM
 Sample : 0.02 ppb 8260 ICAL 67-177F
 Misc : soil/water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:09 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110506.D\data.ms

(32) Trichloroethene (TMP)

5.052min (-0.001) 0.022 ppb m

response	90
Ion	Exp% Act%
95.00	100.00 100.00
97.00	64.60 80.99
129.90	103.40 103.31
131.90	95.80 98.35

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110506.D
 Acq On : 05 Nov 2022 11:34 am
 Operator : VM
 Sample : 0.02 ppb 8260 ICAL 67-177F
 Misc : soil/water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:09 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	4.75	96	110742	10.000	ppb	0.00	
39) Chlorobenzene-d5	7.40	117	89451	10.000	ppb	0.00	
56) 1,4-Dichlorobenzene-d4	9.62	152	50648	10.000	ppb	0.00	
System Monitoring Compounds							
3) Dibromofluoromethane	4.17	113	35797	10.080	ppb	0.00	
Spiked Amount	10.000	Range 50 - 150	Recovery	=	100.80%		
30) 1,2-Dichloroethane-d4	4.45	102	6904	10.031	ppb	0.00	
Spiked Amount	10.000	Range 84 - 120	Recovery	=	100.30%		
35) Toluene-d8	6.11	98	104736	9.917	ppb	0.00	
Spiked Amount	10.000	Range 73 - 128	Recovery	=	99.20%		
57) 4-Bromofluorobenzene	8.51	95	36207	10.375	ppb	0.00	
Spiked Amount	10.000	Range 57 - 146	Recovery	=	103.70%		
Target Compounds							
							Qvalue
2) Ethanol	2.34	45	525	No Calib			
4) Dichlorodifluoromethane	0.00		0	N.D.	d		
5) Chloromethane	0.00		0	N.D.	d		
6] Vinyl chloride	1.34	62	115m	0.020	ppb		
7) Bromomethane	0.00		0	N.D.			
8) Chloroethane	0.00		0	N.D.	d		
9) Trichlorofluoromethane	0.00		0	N.D.	d		
10) 2-Propanol	0.00		0	N.D.	d		
11) Acetone	0.00		0	N.D.	d		
12] 1,1-Dichloroethene	2.27	96	74m	0.023	ppb		
13) Hexane	0.00		0	N.D.	d		
14) Methylene chloride	0.00		0	N.D.	d		
15) t-Butyl alcohol (TBA)	0.00		0	N.D.			
16] Methyl t-butyl ether (...)	2.94	73	147m	0.020	ppb		
17] trans-1,2-Dichloroethene	2.92	96	81	0.023	ppb		97
18) Diisopropyl ether (DIPE)	0.00		0	N.D.	d		
19] 1,1-Dichloroethane	3.28	63	109	0.021	ppb		94
20) Ethyl t-butyl ether (E...)	0.00		0	N.D.			
21) 2,2-Dichloropropane	0.00		0	N.D.	d		
22] cis-1,2-Dichloroethene	3.77	96	83	0.022	ppb		84
23) Chloroform	0.00		0	N.D.	d		
24) 2-Butanone (MEK)	0.00		0	N.D.	d		
25) t-Amyl methyl ether (T...)	0.00		0	N.D.	d		
26) 1,2-Dichloroethane (EDC)	0.00		0	N.D.	d		
27] 1,1,1-Trichloroethane	4.19	97	117	0.022	ppb		93
28) 1,1-Dichloropropene	0.00		0	N.D.			
29) Carbon tetrachloride	0.00		0	N.D.			
31] Benzene	4.50	78	275	0.022	ppb		92
32] Trichloroethene	5.05	95	90m	0.022	ppb		
33) 1,2-Dichloropropane	0.00		0	N.D.	d		
34) Bromodichloromethane	0.00		0	N.D.	d		
36) Dibromomethane	0.00		0	N.D.			

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110506.D
 Acq On : 05 Nov 2022 11:34 am
 Operator : VM
 Sample : 0.02 ppb 8260 ICAL 67-177F
 Misc : soil/water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS13

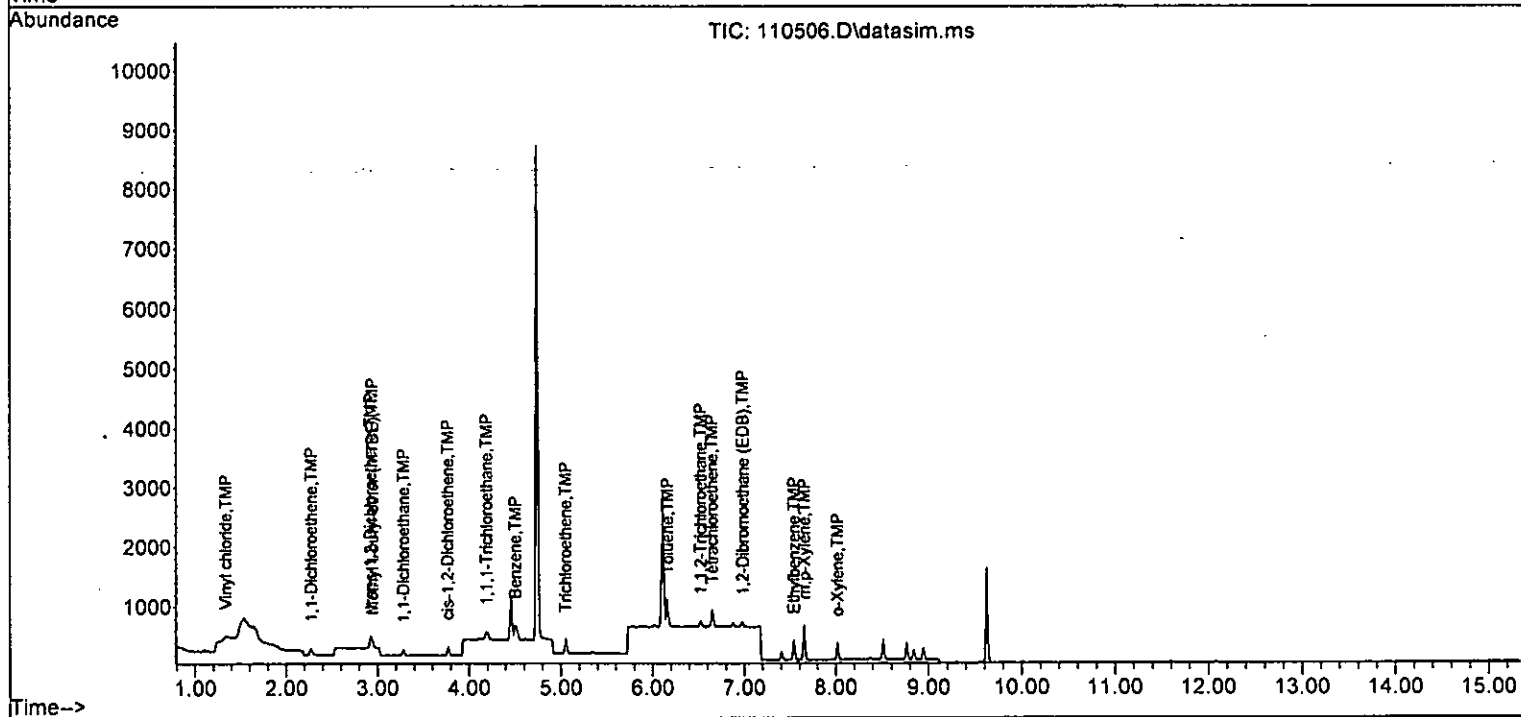
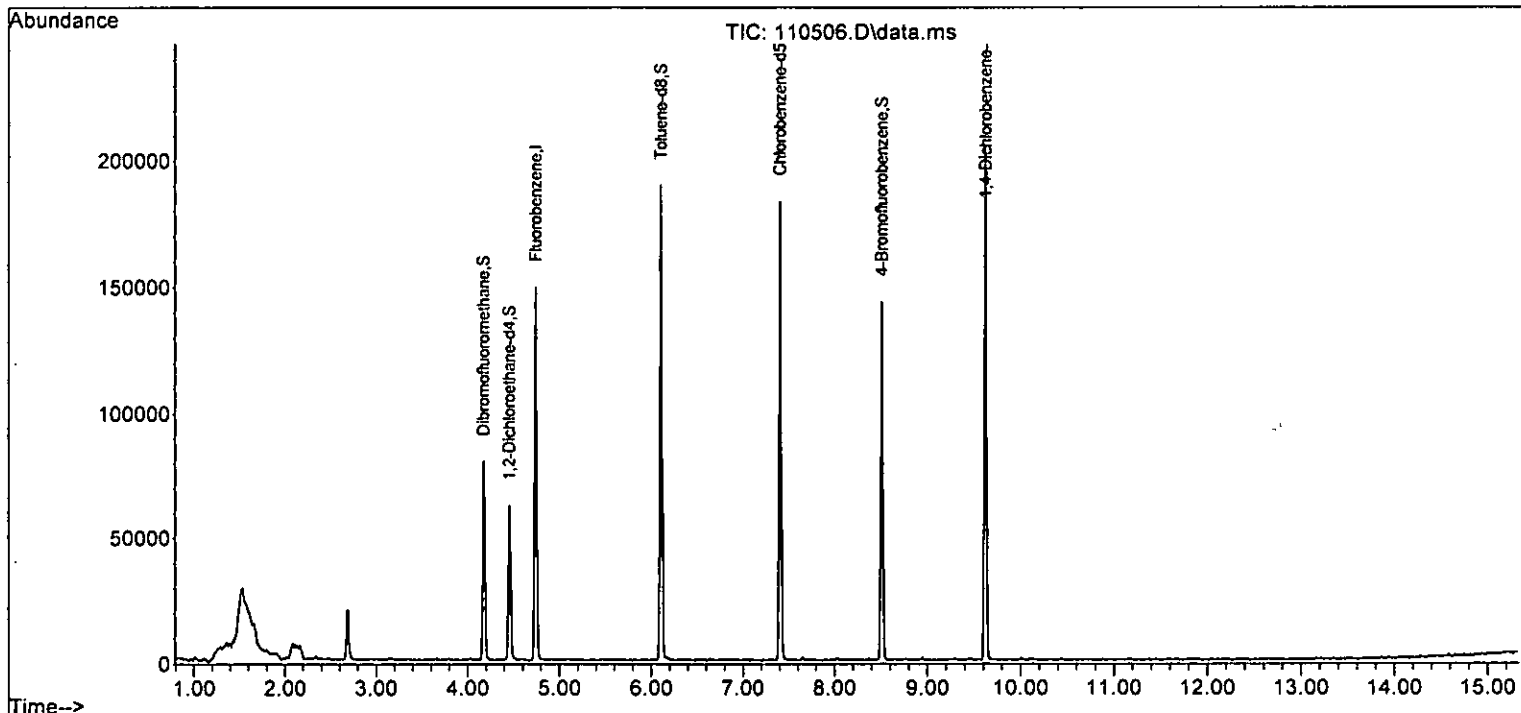
Quant Time: Nov 07 15:17:09 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.00		0	N.D.		
38) cis-1,3-Dichloropropene	0.00		0	N.D.	d	
40] Toluene	6.16	92	225	0.014	ppb	97
41) trans-1,3-Dichloropropene	0.00		0	N.D.		
42] 1,1,2-Trichloroethane	6.53	83	72	0.017	ppb	91
43) 2-Hexanone	0.00		0	N.D.	d	
44) 1,3-Dichloropropane	0.00		0	N.D.		
45] Tetrachloroethene	6.65	164	132	0.017	ppb	91
46) Dibromochloromethane	0.00		0	N.D.		
47] 1,2-Dibromoethane (EDB)	6.98	107	81	0.025	ppb	98
48) Chlorobenzene	0.00		0	N.D.	d	
49] Ethylbenzene	7.54	91	342	0.025	ppb	93
50) 1,1,1,2-Tetrachloroethane	7.52	131	26	N.D.		
51] m,p-Xylene	7.65	106	277	0.051	ppb	90
52] o-Xylene	8.02	106	128	0.024	ppb	84
53) Styrene	0.00		0	N.D.	d	
54) Isopropylbenzene	0.00		0	N.D.	d	
55) Bromoform	0.00		0	N.D.	d	
58) n-Propylbenzene	0.00		0	N.D.	d	
59) Bromobenzene	0.00		0	N.D.	d	
60) 1,3,5-Trimethylbenzene	0.00		0	N.D.	d	
61) 1,1,2,2-Tetrachloroethane	0.00		0	N.D.	d	
62) 1,2,3-Trichloropropane	0.00		0	N.D.	d	
63) 2-Chlorotoluene	0.00		0	N.D.	d	
64) 4-Chlorotoluene	0.00		0	N.D.	d	
65) tert-Butylbenzene	0.00		0	N.D.	d	
66) 1,2,4-Trimethylbenzene	0.00		0	N.D.	d	
67) sec-Butylbenzene	0.00		0	N.D.	d	
68) p-Isopropyltoluene	0.00		0	N.D.	d	
69) 1,3-Dichlorobenzene	0.00		0	N.D.	d	
70) 1,4-Dichlorobenzene	0.00		0	N.D.	d	
71) 1,2-Dichlorobenzene	0.00		0	N.D.	d	
72) 1,2-Dibromo-3-chloropr...	0.00		0	N.D.		
73) 1,2,4-Trichlorobenzene	0.00		0	N.D.	d	
74) Hexachlorobutadiene	0.00		0	N.D.		
75) Naphthalene	0.00		0	N.D.	d	
76) 1,2,3-Trichlorobenzene	0.00		0	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110506.D
 Acq On : 05 Nov 2022 11:34 am
 Operator : VM
 Sample : 0.02 ppb 8260 ICAL 67-177F
 Misc : soil/water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:09 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110506.D
 Acq On : 05 Nov 2022 11:34 am
 Operator : VM
 Sample : 0.02 ppb 8260 ICAL 67-177F
 Misc : soil/water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:09 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2 TMP	Ethanol	-1.000	0.000	0.0	0	0.01
3 S	Dibromofluoromethane	10.000	10.080	-0.8	100	0.00
4 TMP	Dichlorodifluoromethane	-1.000	0.000	0.0	0	-1.12#
5 TMP	Chloromethane	-1.000	0.000	0.0	0	-1.26#
6 TMP	Vinyl chloride	0.020	0.020	0.0	76	0.00
7 TMP	Bromomethane	-1.000	0.000	0.0	0	-1.58#
8 TMP	Chloroethane	-1.000	0.000	0.0	0	-1.65#
9 TMP	Trichlorofluoromethane	-1.000	0.000	0.0	0	-1.83#
10 TMP	2-Propanol	-1.000	0.000	0.0	0	-2.33#
11 TMP	Acetone	-1.000	0.000	0.0	0	-2.33#
12 TMP	1,1-Dichloroethene	0.020	0.023	-15.0	100	0.00
13 TMP	Hexane	-1.000	0.000	0.0	0	-3.16#
14 TMP	Methylene chloride	-1.000	0.000	0.0	0	-2.68#
15 TMP	t-Butyl alcohol (TBA)	-1.000	0.000	0.0	0	-2.82#
16 TMP	Methyl t-butyl ether (MTBE)	0.020	0.020	0.0	98	0.00
17 TMP	trans-1,2-Dichloroethene	0.020	0.023	-15.0	100	0.00
18 TMP	Diisopropyl ether (DIPE)	-1.000	0.000	0.0	0	-3.35#
19 TMP	1,1-Dichloroethane	0.020	0.021	-5.0	100	0.00
20 TMP	Ethyl t-butyl ether (ETBE)	-1.000	0.000	0.0	0	-3.66#
21 TMP	2,2-Dichloropropane	-1.000	0.000	0.0	0	-3.77#
22 TMP	cis-1,2-Dichloroethene	0.020	0.022	-10.0	100	0.00
23 TMP	Chloroform	-1.000	0.000	0.0	0	-4.04#
24 TMP	2-Butanone (MEK)	-1.000	0.000	0.0	0	-3.79#
25 TMP	t-Amyl methyl ether (TAME)	-1.000	0.000	0.0	0	-4.61#
26 TMP	1,2-Dichloroethane (EDC)	-1.000	0.000	0.0	0	-4.53#
27 TMP	1,1,1-Trichloroethane	0.020	0.022	-10.0	100	0.00
28 TMP	1,1-Dichloropropene	-1.000	0.000	0.0	0	-4.33#
29 TMP	Carbon tetrachloride	-1.000	0.000	0.0	0	-4.33#
30 S	1,2-Dichloroethane-d4	10.000	10.031	-0.3	100	0.00
31 TMP	Benzene	0.020	0.022	-10.0	100	0.00
32 TMP	Trichloroethene	0.020	0.022	-10.0	94	0.00
33 TMP	1,2-Dichloropropane	-1.000	0.000	0.0	0	-5.24#
34 TMP	Bromodichloromethane	-1.000	0.000	0.0	0	-5.48#
35 S	Toluene-d8	10.000	9.917	0.8	100	0.00
36 TMP	Dibromomethane	-1.000	0.000	0.0	0	-5.35#
37 TMP	4-Methyl-2-pentanone	-1.000	0.000	0.0	0	-6.03#
38 TMP	cis-1,3-Dichloropropene	-1.000	0.000	0.0	0	-5.88#
39 I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40 TMP	Toluene	0.020	0.014	30.0#	100	0.00
41 TMP	trans-1,3-Dichloropropene	-1.000	0.000	0.0	0	-6.36#
42 TMP	1,1,2-Trichloroethane	0.020	0.017	15.0	107	0.00
43 TMP	2-Hexanone	-1.000	0.000	0.0	0	-6.76#

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110506.D
 Acq On : 05 Nov 2022 11:34 am
 Operator : VM
 Sample : 0.02 ppb 8260 ICA1 67-177F
 Misc : soil/water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:09 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	-1.000	0.000	0.0	0	-6.68#
45 TMP Tetrachloroethene	0.020	0.017	15.0	100	0.00
46 TMP Dibromochloromethane	-1.000	0.000	0.0	0	-6.88#
47 TMP 1,2-Dibromoethane (EDB)	0.020	0.025	-25.0#	100	0.00
48 TMP Chlorobenzene	-1.000	0.000	0.0	0	-7.43#
49 TMP Ethylbenzene	0.020	0.025	-25.0#	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	-1.000	0.008	0.0	0	0.00
51 TMP m,p-Xylene	0.040	0.051	-27.5#	100	0.00
52 TMP o-Xylene	0.020	0.024	-20.0	100	0.00
53 TMP Styrene	-1.000	0.000	0.0	0	-8.03#
54 TMP Isopropylbenzene	-1.000	0.000	0.0	0	-8.37#
55 TMP Bromoform	-1.000	0.000	0.0	0	-8.20#
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	10.000	10.375	-3.8	100	0.00
58 TMP n-Propylbenzene	-1.000	0.000	0.0	0	-8.77#
59 TMP Bromobenzene	-1.000	0.000	0.0	0	-8.65#
60 TMP 1,3,5-Trimethylbenzene	-1.000	0.000	0.0	0	-8.94#
61 TMP 1,1,2,2-Tetrachloroethane	-1.000	0.000	0.0	0	-8.65#
62 TMP 1,2,3-Trichloropropane	-1.000	0.000	0.0	0	-8.70#
63 TMP 2-Chlorotoluene	-1.000	0.000	0.0	0	-8.84#
64 TMP 4-Chlorotoluene	-1.000	0.000	0.0	0	-8.95#
65 TMP tert-Butylbenzene	-1.000	0.000	0.0	0	-9.25#
66 TMP 1,2,4-Trimethylbenzene	-1.000	0.000	0.0	0	-9.30#
67 TMP sec-Butylbenzene	-1.000	0.000	0.0	0	-9.46#
68 TMP p-Isopropyltoluene	-1.000	0.000	0.0	0	-9.61#
69 TMP 1,3-Dichlorobenzene	-1.000	0.000	0.0	0	-9.56#
70 TMP 1,4-Dichlorobenzene	-1.000	0.000	0.0	0	-9.64#
71 TMP 1,2-Dichlorobenzene	-1.000	0.000	0.0	0	-10.01#
72 TMP 1,2-Dibromo-3-chloropropane	-1.000	0.000	0.0	0	-10.78#
73 TMP 1,2,4-Trichlorobenzene	-1.000	0.000	0.0	0	-11.59#
74 TMP Hexachlorobutadiene	-1.000	0.000	0.0	0	-11.77#
75 TMP Naphthalene	-1.000	0.000	0.0	0	-11.84#
76 TMP 1,2,3-Trichlorobenzene	-1.000	0.000	0.0	0	-12.08#

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110506.D
 Acq On : 05 Nov 2022 11:34 am
 Operator : VM
 Sample : 0.02 ppb 8260 ICAL 67-177F
 Misc : soil/water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:09 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2 TMP	Ethanol	0.000	0.000#	0.0	0#	0.01
3 S	Dibromofluoromethane	0.321	0.323	-0.6	100	0.00
4 TMP	Dichlorodifluoromethane	0.800	0.000#	100.0#	0#	-1.12#
5 TMP	Chloromethane	0.488	0.000#	100.0#	0#	-1.26#
6 TMP	Vinyl chloride	0.510	0.519	-1.8	75	0.00
7 TMP	Bromomethane	0.432	0.000#	100.0#	0#	-1.58#
8 TMP	Chloroethane	0.229	0.000#	100.0#	0#	-1.65#
9 TMP	Trichlorofluoromethane	1.123	0.000#	100.0#	0#	-1.83#
10 TMP	2-Propanol	0.000	0.000	0.0	0#	-2.33#
11 TMP	Acetone	0.029	0.000#	100.0#	0#	-2.33#
12 TMP	1,1-Dichloroethene	0.285	0.334	-17.2	100	0.00
13 TMP	Hexane	0.323	0.000#	100.0#	0#	-3.16#
14 TMP	Methylene chloride	0.289	0.000#	100.0#	0#	-2.68#
15 TMP	t-Butyl alcohol (TBA)	0.024	0.000#	100.0#	0#	-2.82#
16 TMP	Methyl t-butyl ether (MTBE)	0.666	0.664	0.3	98	0.00
17 TMP	trans-1,2-Dichloroethene	0.318	0.366	-15.1	100	0.00
18 TMP	Diisopropyl ether (DIPE)	0.698	0.000#	100.0#	0#	-3.35#
19 TMP	1,1-Dichloroethane	0.463	0.492	-6.3	100	0.00
20 TMP	Ethyl t-butyl ether (ETBE)	0.258	0.000#	100.0#	0#	-3.66#
21 TMP	2,2-Dichloropropane	0.258	0.000#	100.0#	0#	-3.77#
22 TMP	cis-1,2-Dichloroethene	0.333	0.375	-12.6	100	0.00
23 TMP	Chloroform	0.539	0.000#	100.0#	0#	-4.04#
24 TMP	2-Butanone (MEK)	0.132	0.000#	100.0#	0#	-3.79#
25 TMP	t-Amyl methyl ether (TAME)	0.540	0.000#	100.0#	0#	-4.61#
26 TMP	1,2-Dichloroethane (EDC)	0.465	0.000#	100.0#	0#	-4.53#
27 TMP	1,1,1-Trichloroethane	0.482	0.528	-9.5	100	0.00
28 TMP	1,1-Dichloropropene	0.370	0.000#	100.0#	0#	-4.33#
29 TMP	Carbon tetrachloride	0.485	0.000#	100.0#	0#	-4.33#
30 S	1,2-Dichloroethane-d4	0.062	0.062	0.0	100	0.00
31 TMP	Benzene	1.118	1.242	-11.1	100	0.00
32 TMP	Trichloroethene	0.367	0.406	-10.6	94	0.00
33 TMP	1,2-Dichloropropane	0.241	0.000#	100.0#	0#	-5.24#
34 TMP	Bromodichloromethane	0.387	0.000#	100.0#	0#	-5.48#
35 S	Toluene-d8	0.954	0.946	0.8	100	0.00
36 TMP	Dibromomethane	0.219	0.000#	100.0#	0#	-5.35#
37 TMP	4-Methyl-2-pentanone	0.042	0.000#	100.0#	0#	-6.03#
38 TMP	cis-1,3-Dichloropropene	0.360	0.000#	100.0#	0#	-5.88#
39 I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40 TMP	Toluene	0.907	1.258	-38.7#	100	0.00
41 TMP	trans-1,3-Dichloropropene	0.366	0.000#	100.0#	0#	-6.36#
42 TMP	1,1,2-Trichloroethane	0.285	0.402	-41.1#	107	0.00
43 TMP	2-Hexanone	0.190	0.000#	100.0#	0#	-6.76#

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110506.D
 Acq On : 05 Nov 2022 11:34 am
 Operator : VM
 Sample : 0.02 ppb 8260 ICAL 67-177F
 Misc : soil/water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:09 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.457	0.000#	100.0#	0#	-6.68#
45 TMP Tetrachloroethene	0.460	0.738	-60.4#	100	0.00
46 TMP Dibromochloromethane	0.451	0.000#	100.0#	0#	-6.88#
47 TMP 1,2-Dibromoethane (EDB)	0.360	0.453	-25.8#	100	0.00
48 TMP Chlorobenzene	0.993	0.000#	100.0#	0#	-7.43#
49 TMP Ethylbenzene	1.557	1.912	-22.8#	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.387	0.000#	100.0#	0#	0.00
51 TMP m,p-Xylene	0.612	0.774	-26.5#	100	0.00
52 TMP o-Xylene	0.591	0.715	-21.0#	100	0.00
53 TMP Styrene	0.887	0.000#	100.0#	0#	-8.03#
54 TMP Isopropylbenzene	1.435	0.000#	100.0#	0#	-8.37#
55 TMP Bromoform	0.299	0.000#	100.0#	0#	-8.20#
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	0.689	0.715	-3.8	100	0.00
58 TMP n-Propylbenzene	2.700	0.000#	100.0#	0#	-8.77#
59 TMP Bromobenzene	0.837	0.000#	100.0#	0#	-8.65#
60 TMP 1,3,5-Trimethylbenzene	1.968	0.000#	100.0#	0#	-8.94#
61 TMP 1,1,2,2-Tetrachloroethane	0.626	0.000#	100.0#	0#	-8.65#
62 TMP 1,2,3-Trichloropropane	0.486	0.000#	100.0#	0#	-8.70#
63 TMP 2-Chlorotoluene	1.617	0.000#	100.0#	0#	-8.84#
64 TMP 4-Chlorotoluene	1.912	0.000#	100.0#	0#	-8.95#
65 TMP tert-Butylbenzene	1.952	0.000#	100.0#	0#	-9.25#
66 TMP 1,2,4-Trimethylbenzene	1.996	0.000#	100.0#	0#	-9.30#
67 TMP sec-Butylbenzene	2.624	0.000#	100.0#	0#	-9.46#
68 TMP p-Isopropyltoluene	2.387	0.000#	100.0#	0#	-9.61#
69 TMP 1,3-Dichlorobenzene	1.530	0.000#	100.0#	0#	-9.56#
70 TMP 1,4-Dichlorobenzene	1.564	0.000#	100.0#	0#	-9.64#
71 TMP 1,2-Dichlorobenzene	1.455	0.000#	100.0#	0#	-10.01#
72 TMP 1,2-Dibromo-3-chloropropane	0.108	0.000#	100.0#	0#	-10.78#
73 TMP 1,2,4-Trichlorobenzene	0.971	0.000#	100.0#	0#	-11.59#
74 TMP Hexachlorobutadiene	0.600	0.000#	100.0#	0#	-11.77#
75 TMP Naphthalene	1.833	0.000#	100.0#	0#	-11.84#
76 TMP 1,2,3-Trichlorobenzene	0.846	0.000#	100.0#	0#	-12.08#

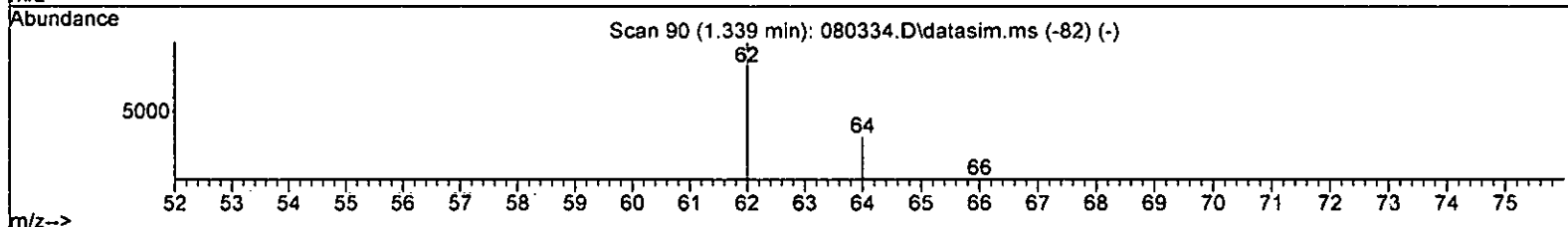
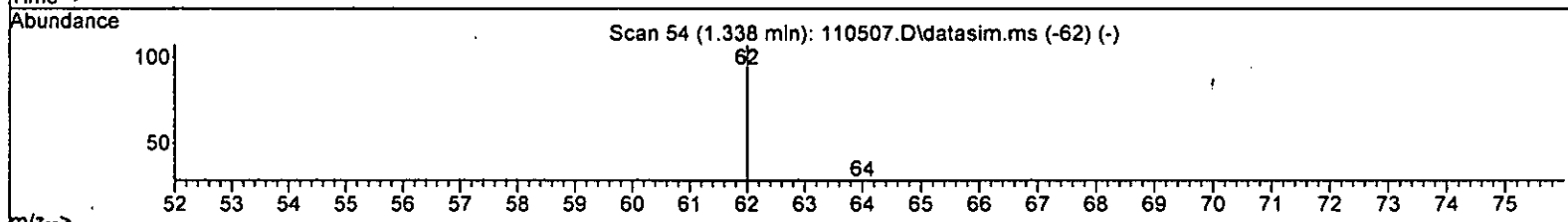
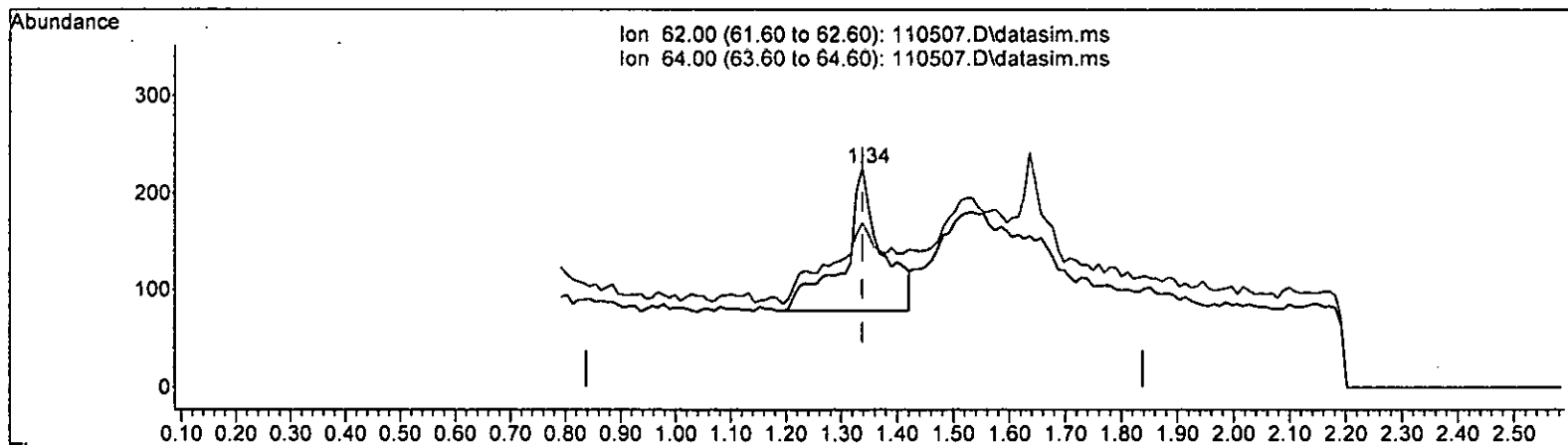
(#) = Out of Range

SPCC's out = 52 CCC's out = 0

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110507.D
 Acq On : 05 Nov 2022 11:57 am
 Operator : VM
 Sample : 0.04 ppb 8260 ICAL 67-177G
 Misc : soil/water
 ALS Vial : 3 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:11 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110507.D\data.ms

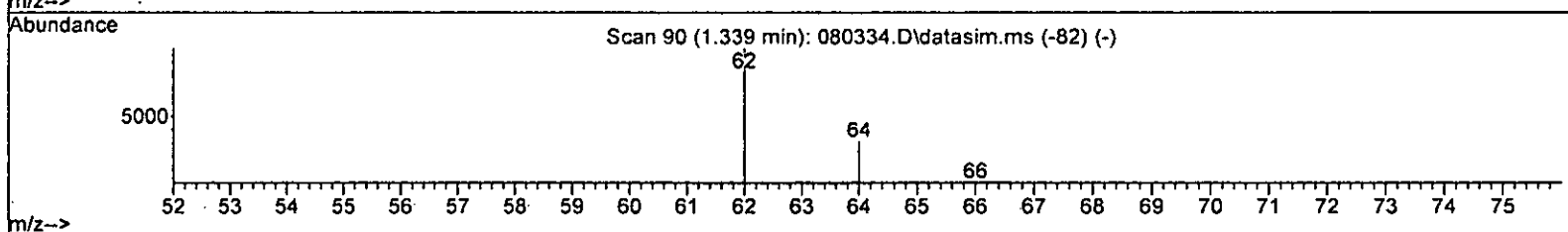
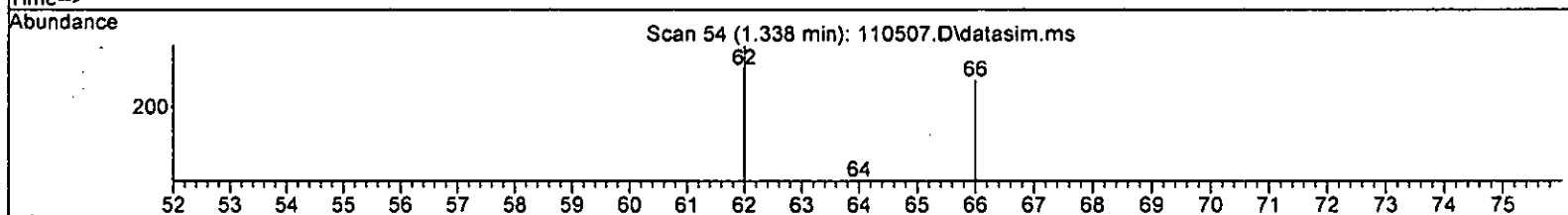
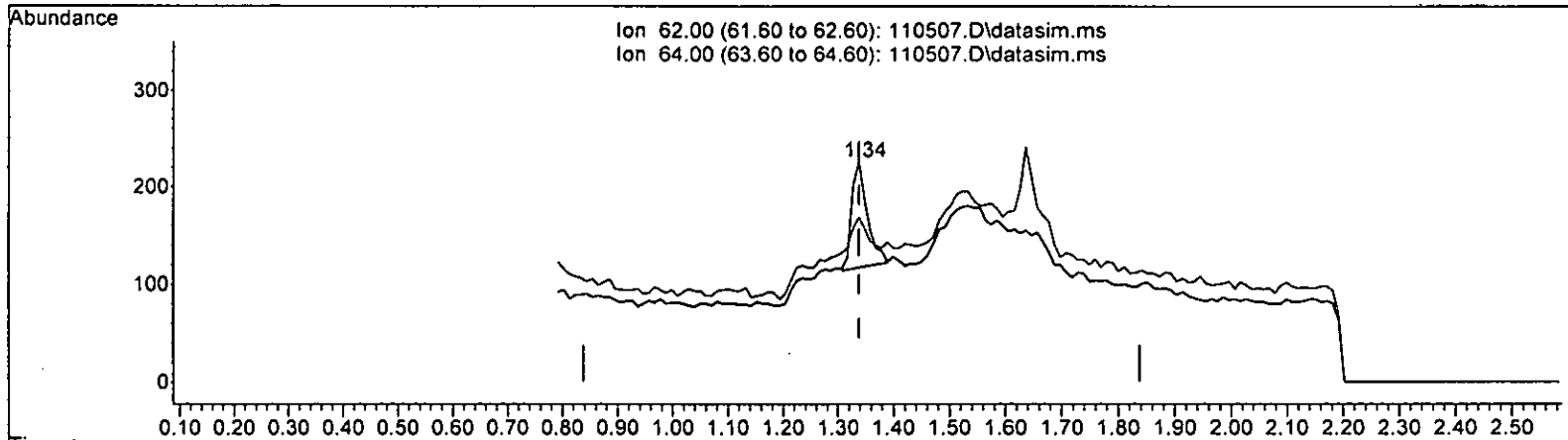
(6) Vinyl chloride (TMP)
 1.338min (-0.000) 0.121 ppb
 response 688

Ion	Exp%	Act%
62.00	100.00	100.00
64.00	34.40	56.76
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110507.D
 Acq On : 05 Nov 2022 11:57 am
 Operator : VM
 Sample : 0.04 ppb 8260 ICAL 67-177G
 Misc : soil/water
 ALS Vial : 3 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:11 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110507.D\data.ms

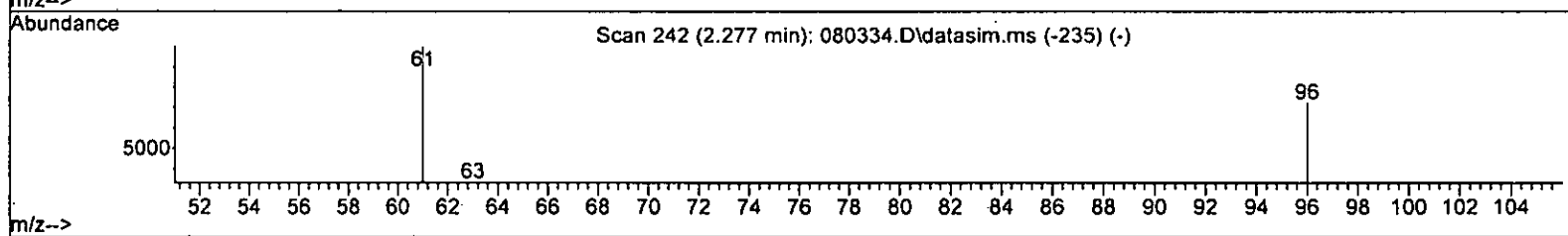
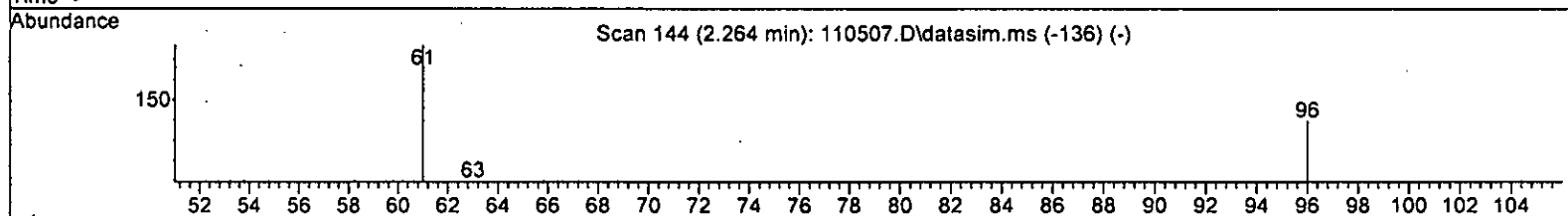
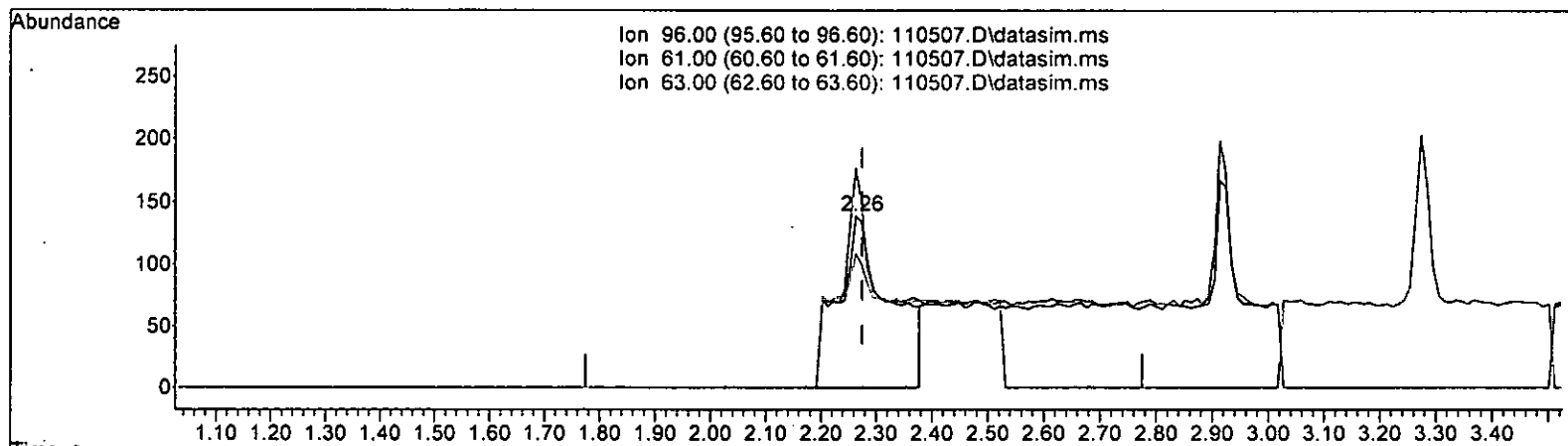
(6) Vinyl chloride (TMP)
 1.338min (-0.000) 0.038 ppb m
 response 214

Ion	Exp%	Act%
62.00	100.00	100.00
64.00	34.40	74.78#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110507.D
 Acq On : 05 Nov 2022 11:57 am
 Operator : VM
 Sample : 0.04 ppb 8260 ICAL 67-177G
 Misc : soil/water
 ALS Vial : 3 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:11 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



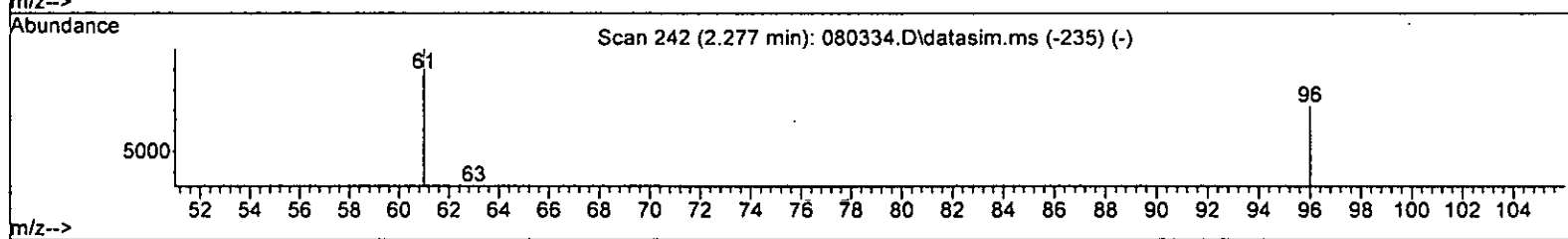
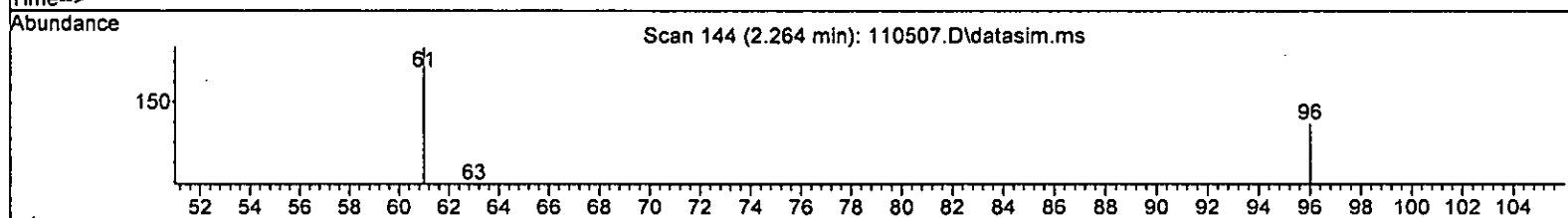
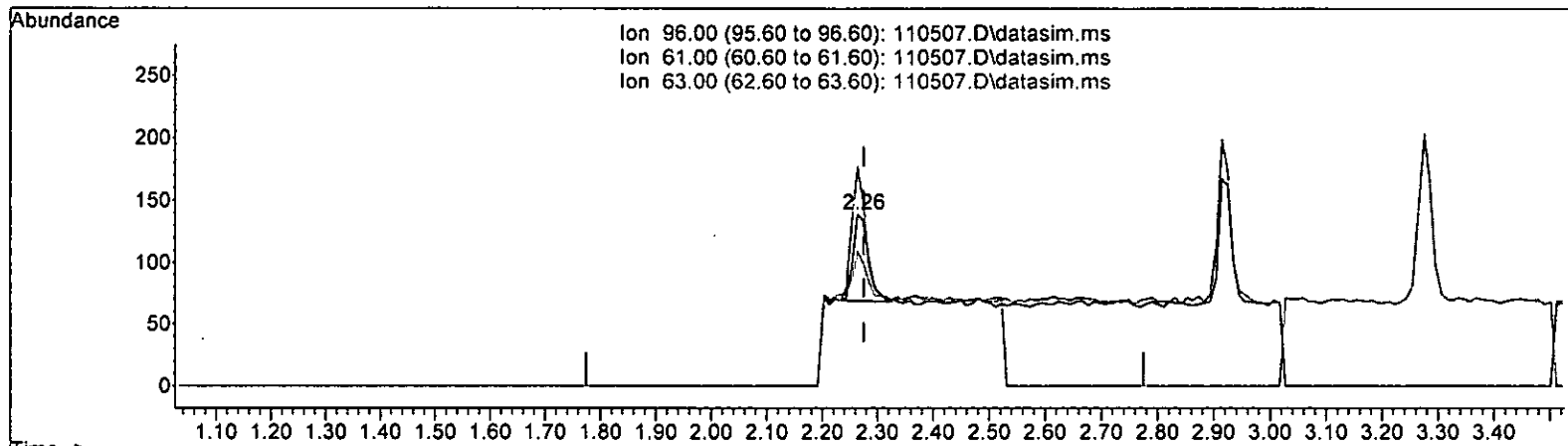
TIC: 110507.D\data.ms

(12)	1,1-Dichloroethene (TMP)	
2.264min (-0.011)	0.280 ppb	
response	892	
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	120.90	127.34
63.00	43.90	78.42#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110507.D
 Acq On : 05 Nov 2022 11:57 am
 Operator : VM
 Sample : 0.04 ppb 8260 ICAL 67-177G
 Misc : soil/water
 ALS Vial : 3 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:11 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110507.D\data.ms

(12) 1,1-Dichloroethene (TMP)

2.264min (-0.011) 0.042 ppb m

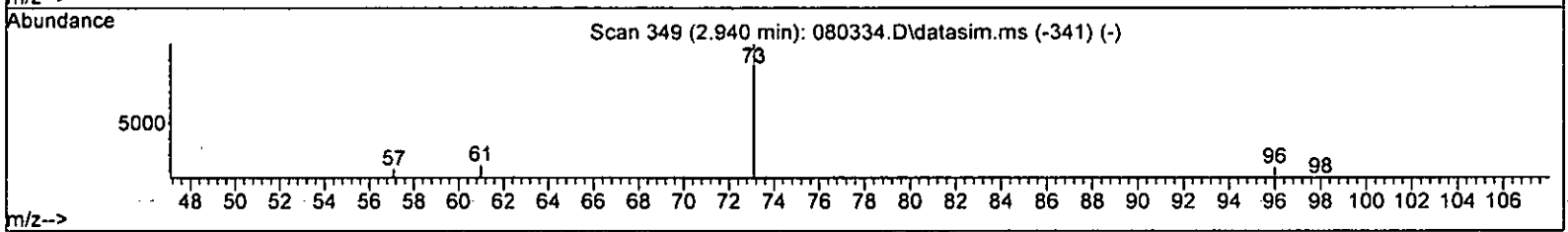
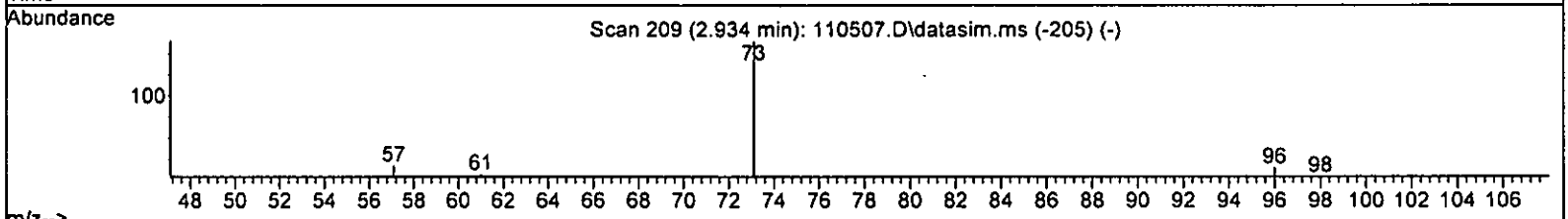
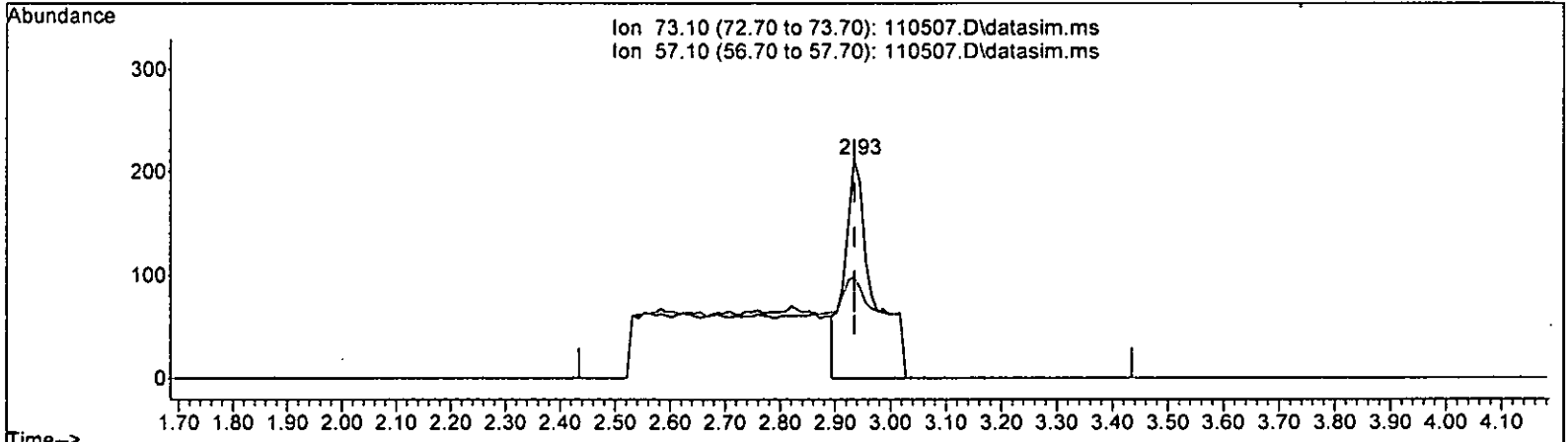
response 133

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	120.90	127.34
63.00	43.90	78.42#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110507.D
 Acq On : 05 Nov 2022 11:57 am
 Operator : VM
 Sample : 0.04 ppb 8260 ICAL 67-177G
 Misc : soil/water
 ALS Vial : 3 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:11 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110507.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

2.934min (-0.001) 0.101 ppb

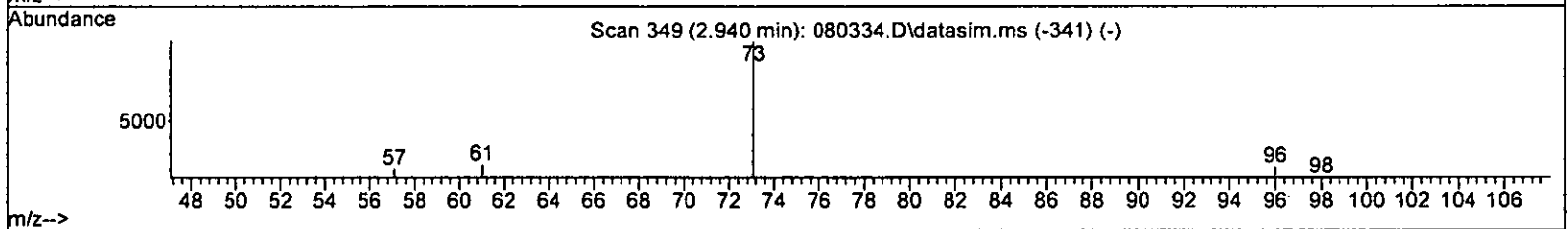
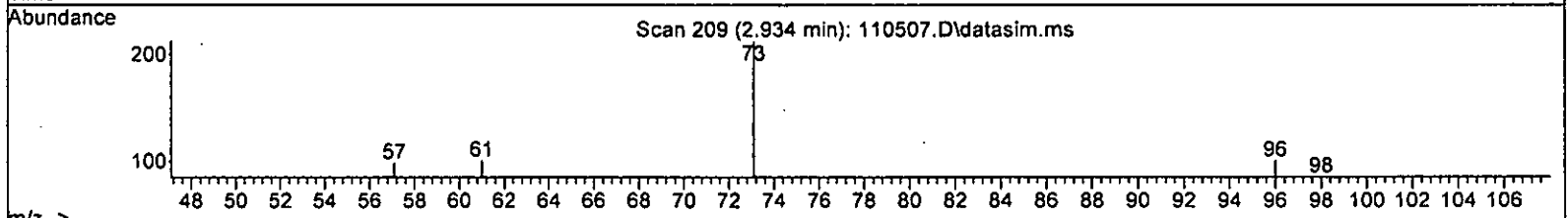
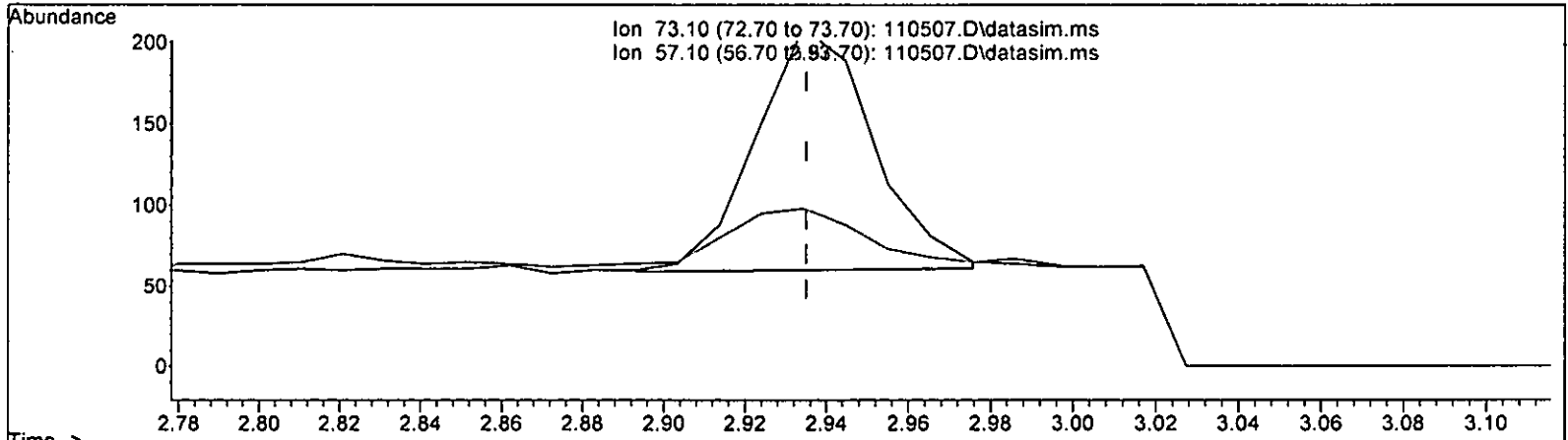
response 751

Ion	Exp%	Act%
73.10	100.00	100.00
57.10	19.40	46.23
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110507.D
 Acq On : 05 Nov 2022 11:57 am
 Operator : VM
 Sample : 0.04 ppb 8260 ICAL 67-177G
 Misc : soil/water
 ALS Vial : 3 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:11 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110507.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

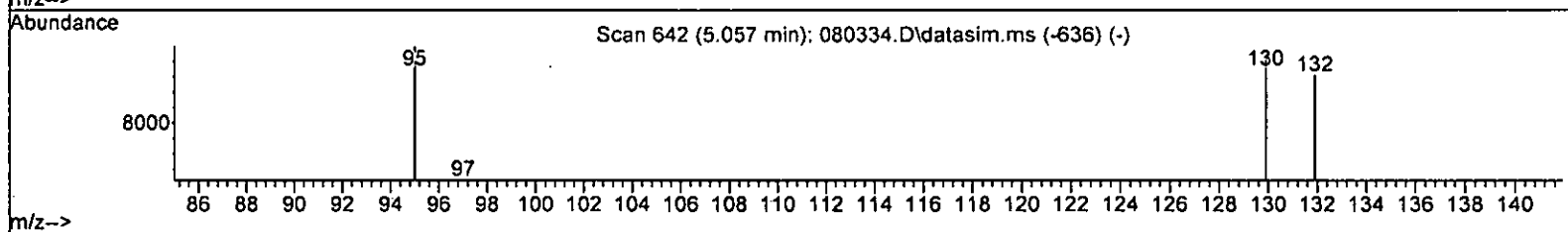
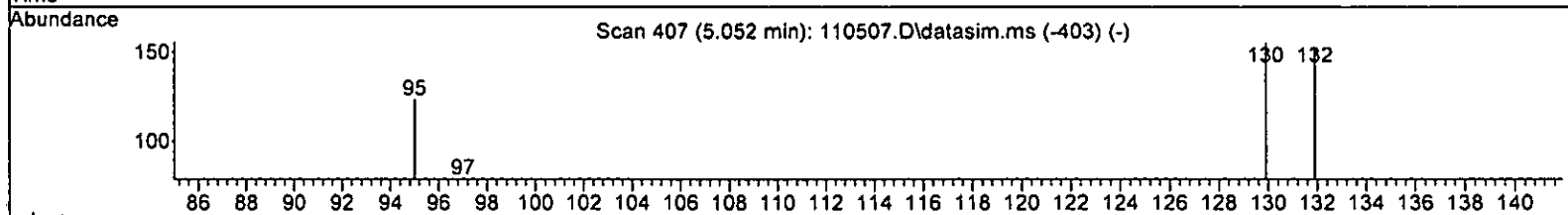
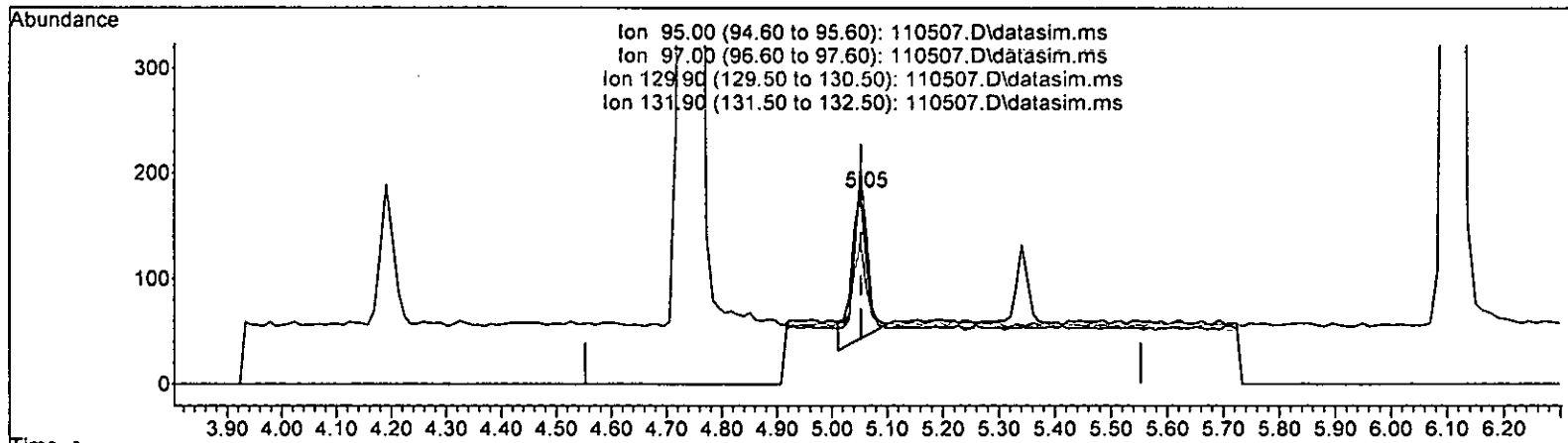
2.934min (-0.001) 0.040 ppb m

response	299		
Ion	Exp%	Act%	
73.10	100.00	100.00	
57.10	19.40	46.23	
0.00	0.00	0.00	
0.00	0.00	0.00	

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110507.D
 Acq On : 05 Nov 2022 11:57 am
 Operator : VM
 Sample : 0.04 ppb 8260 ICAL 67-177G
 Misc : soil/water
 ALS Vial : 3 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:11 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



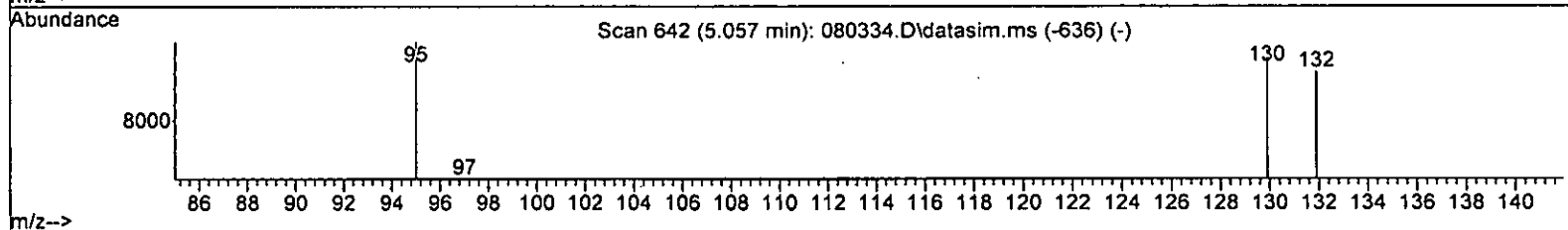
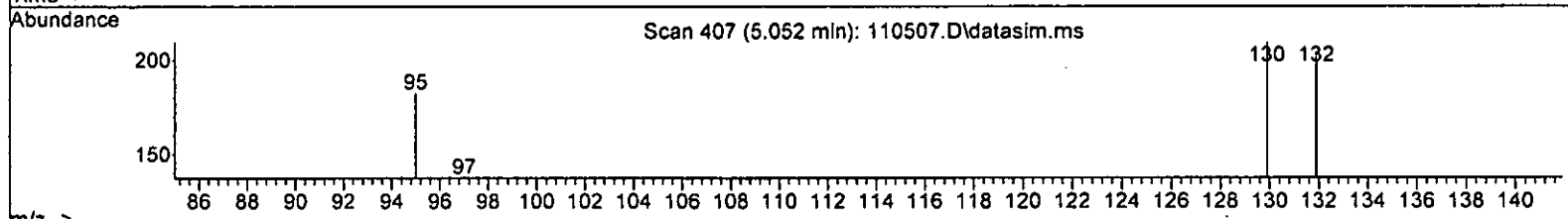
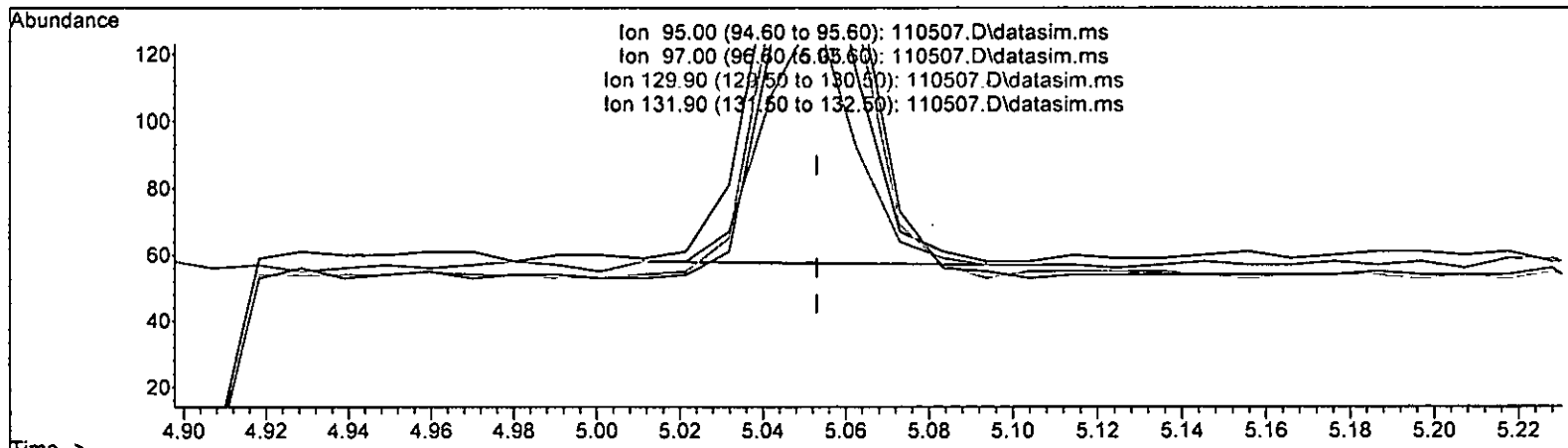
TIC: 110507.D\data.ms

(32) Trichloroethene (TMP)		
Retention Time	Expected	Actual
5.052min (-0.001)	0.065 ppb	
response	266	
Ion	Exp%	Act%
95.00	100.00	100.00
97.00	64.60	64.52
129.90	103.40	125.00
131.90	95.80	121.77

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110507.D
 Acq On : 05 Nov 2022 11:57 am
 Operator : VM
 Sample : 0.04 ppb 8260 ICAL 67-177G
 Misc : soil/water
 ALS Vial : 3 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:11 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110507.D\data.ms

(32) Trichloroethene (TME)

5.052min (-0.001) 0.048 ppb m

response 196

Ion	Exp%	Act%
95.00	100.00	100.00
97.00	64.60	75.27
129.90	103.40	114.84
131.90	95.80	112.09

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110507.D
 Acq On : 05 Nov 2022 11:57 am
 Operator : VM
 Sample : 0.04 ppb 8260 ICAL 67-177G
 Misc : soil/water
 ALS Vial : 3 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:11 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	4.75	96	111750	10.000	ppb	0.00	
39) Chlorobenzene-d5	7.40	117	92506	10.000	ppb	0.00	
56) 1,4-Dichlorobenzene-d4	9.62	152	50709	10.000	ppb	0.00	
System Monitoring Compounds							
3) Dibromofluoromethane	4.17	113	33909	9.462	ppb	0.00	
Spiked Amount	10.000	Range	50 - 150	Recovery	=	94.60%	
30) 1,2-Dichloroethane-d4	4.45	102	7214	10.387	ppb	0.00	
Spiked Amount	10.000	Range	84 - 120	Recovery	=	103.90%	
35) Toluene-d8	6.10	98	105914	9.938	ppb	0.00	
Spiked Amount	10.000	Range	73 - 128	Recovery	=	99.40%	
57) 4-Bromofluorobenzene	8.51	95	37140	10.629	ppb	0.00	
Spiked Amount	10.000	Range	57 - 146	Recovery	=	106.30%	
Target Compounds							
							Qvalue
2) Ethanol	2.33	45	342	No Calib			
4) Dichlorodifluoromethane	0.00		0	N.D.	d		
5) Chloromethane	0.00		0	N.D.	d		
6] Vinyl chloride	1.34	62	214m	0.038	ppb		
7) Bromomethane	0.00		0	N.D.	d		
8) Chloroethane	0.00		0	N.D.	d		
9) Trichlorofluoromethane	0.00		0	N.D.	d		
10) 2-Propanol	0.00		0	N.D.	d		
11) Acetone	0.00		0	N.D.	d		
12] 1,1-Dichloroethene	2.26	96	133m	0.042	ppb		
13) Hexane	0.00		0	N.D.	d		
14) Methylene chloride	0.00		0	N.D.	d		
15) t-Butyl alcohol (TBA)	0.00		0	N.D.	d		
16] Methyl t-butyl ether (...)	2.93	73	299m	0.040	ppb		
17] trans-1,2-Dichloroethene	2.91	96	172	0.048	ppb		82
18) Diisopropyl ether (DIPE)	0.00		0	N.D.	d		
19] 1,1-Dichloroethane	3.27	63	221	0.043	ppb		94
20) Ethyl t-butyl ether (E...)	0.00		0	N.D.	d		
21) 2,2-Dichloropropane	0.00		0	N.D.	d		
22] cis-1,2-Dichloroethene	3.77	96	165	0.044	ppb		96
23) Chloroform	0.00		0	N.D.	d		
24) 2-Butanone (MEK)	0.00		0	N.D.	d		
25) t-Amyl methyl ether (T...)	0.00		0	N.D.	d		
26] 1,2-Dichloroethane (EDC)	4.52	62	408	0.051	ppb		94
27] 1,1,1-Trichloroethane	4.19	97	230	0.043	ppb		94
28) 1,1-Dichloropropene	0.00		0	N.D.	d		
29) Carbon tetrachloride	0.00		0	N.D.	d		
31] Benzene	4.50	78	637	0.051	ppb		99
32] Trichloroethene	5.05	95	196m	0.048	ppb		
33) 1,2-Dichloropropane	0.00		0	N.D.	d		
34) Bromodichloromethane	0.00		0	N.D.	d		
36) Dibromomethane	0.00		0	N.D.	d		

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110507.D
 Acq On : 05 Nov 2022 11:57 am
 Operator : VM
 Sample : 0.04 ppb 8260 ICAL 67-177G
 Misc : soil/water
 ALS Vial : 3 Sample Multiplier: 1
 InstName : GCMS13

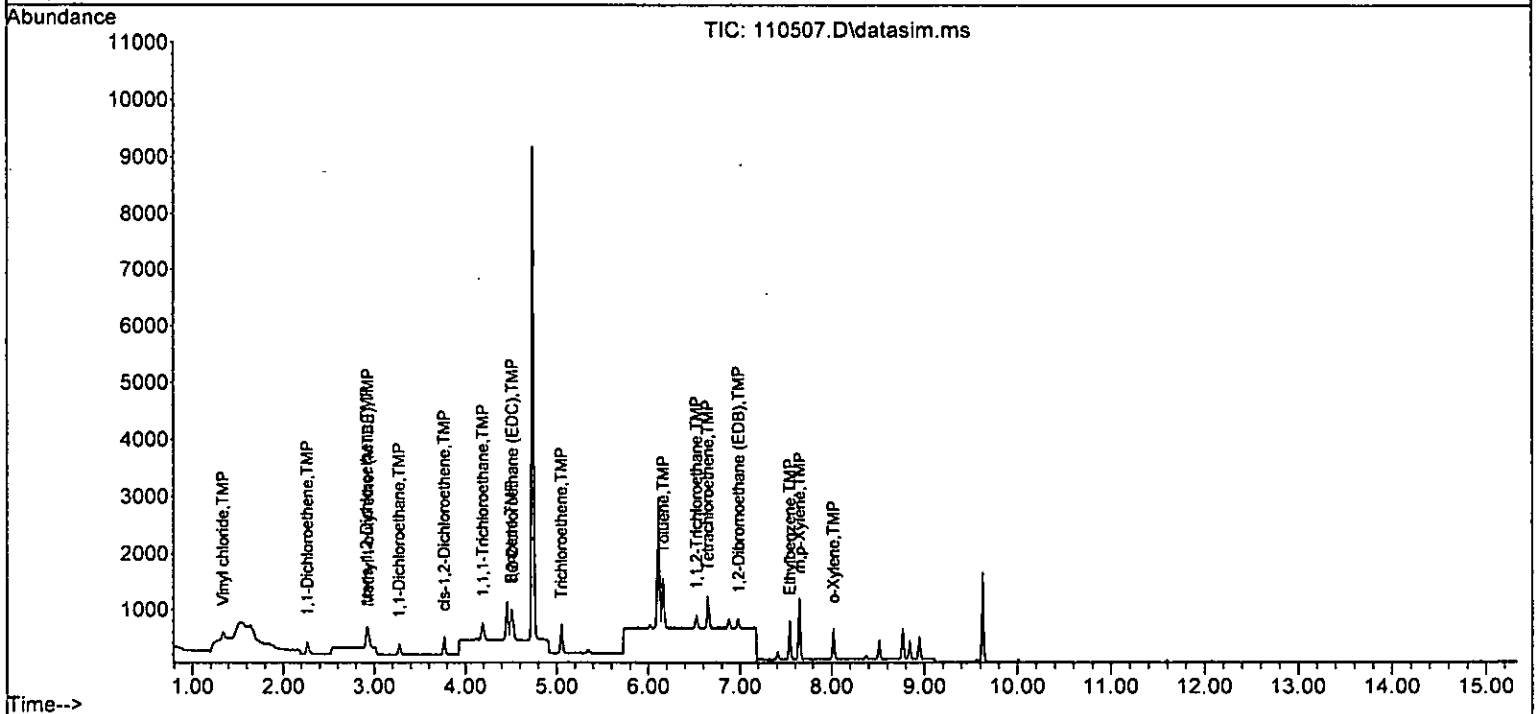
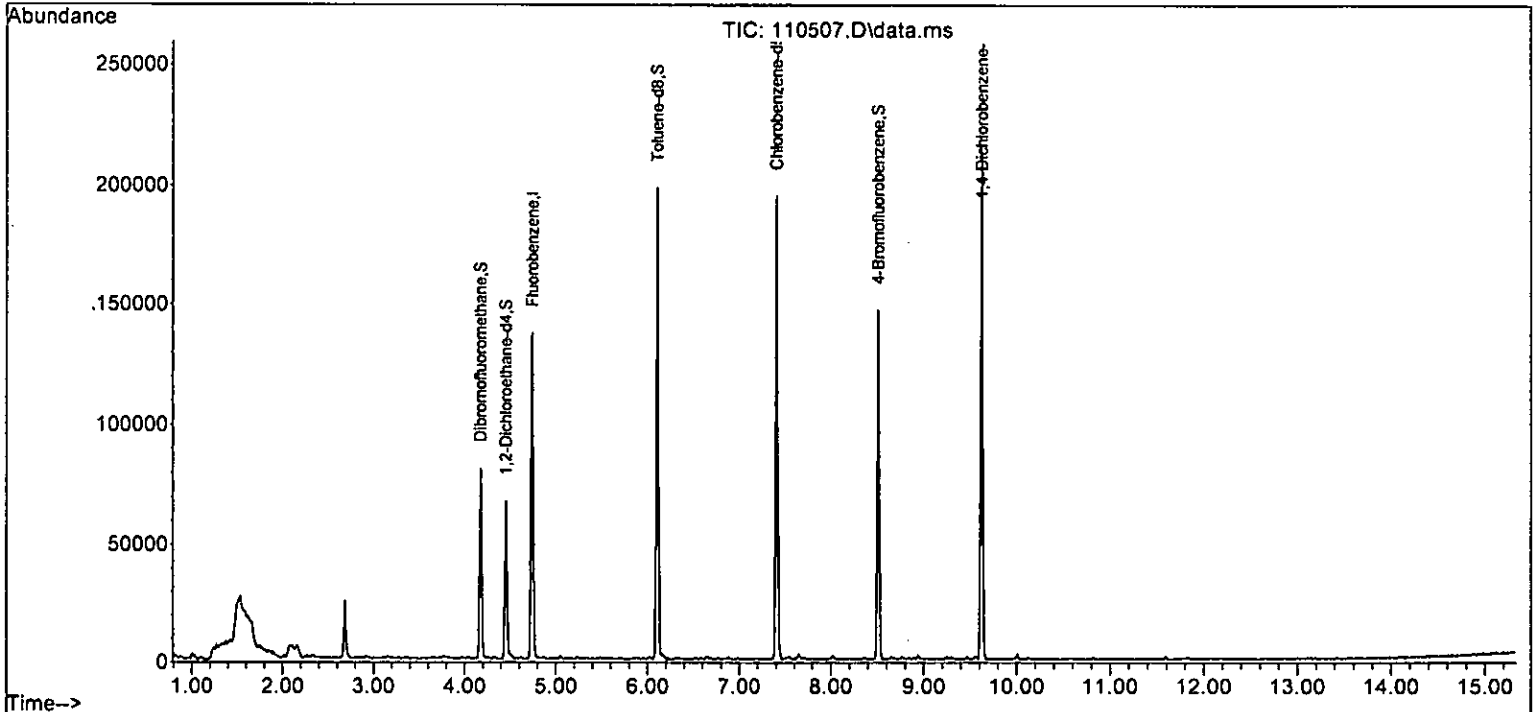
Quant Time: Nov 07 15:17:11 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.00		0	N.D.		
38) cis-1,3-Dichloropropene	0.00		0	N.D.	d	
40] Toluene	6.16	92	465	0.046	ppb	100
41) trans-1,3-Dichloropropene	0.00		0	N.D.	d	
42] 1,1,2-Trichloroethane	6.53	83	149	0.048	ppb	98
43) 2-Hexanone	0.00		0	N.D.	d	
44) 1,3-Dichloropropane	0.00		0	N.D.	d	
45] Tetrachloroethene	6.65	164	218	0.039	ppb	95
46) Dibromochloromethane	0.00		0	N.D.	d	
47] 1,2-Dibromoethane (EDB)	6.98	107	163	0.049	ppb	97
48) Chlorobenzene	0.00		0	N.D.	d	
49] Ethylbenzene	7.54	91	681	0.047	ppb	93
50) 1,1,1,2-Tetrachloroethane	0.00		0	N.D.	d	
51] m,p-Xylene	7.65	106	536	0.095	ppb	92
52] o-Xylene	8.02	106	249	0.046	ppb	86
53) Styrene	0.00		0	N.D.	d	
54) Isopropylbenzene	0.00		0	N.D.	d	
55) Bromoform	0.00		0	N.D.	d	
58) n-Propylbenzene	0.00		0	N.D.	d	
59) Bromobenzene	0.00		0	N.D.	d	
60) 1,3,5-Trimethylbenzene	0.00		0	N.D.	d	
61) 1,1,2,2-Tetrachloroethane	0.00		0	N.D.	d	
62) 1,2,3-Trichloropropane	0.00		0	N.D.	d	
63) 2-Chlorotoluene	0.00		0	N.D.	d	
64) 4-Chlorotoluene	0.00		0	N.D.	d	
65) tert-Butylbenzene	0.00		0	N.D.	d	
66) 1,2,4-Trimethylbenzene	0.00		0	N.D.	d	
67) sec-Butylbenzene	0.00		0	N.D.	d	
68) p-Isopropyltoluene	0.00		0	N.D.	d	
69) 1,3-Dichlorobenzene	0.00		0	N.D.	d	
70) 1,4-Dichlorobenzene	0.00		0	N.D.	d	
71) 1,2-Dichlorobenzene	0.00		0	N.D.	d	
72) 1,2-Dibromo-3-chloropr...	0.00		0	N.D.		
73) 1,2,4-Trichlorobenzene	0.00		0	N.D.	d	
74) Hexachlorobutadiene	0.00		0	N.D.	d	
75) Naphthalene	0.00		0	N.D.	d	
76) 1,2,3-Trichlorobenzene	0.00		0	N.D.	d	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110507.D
 Acq On : 05 Nov 2022 11:57 am
 Operator : VM
 Sample : 0.04 ppb 8260 ICAL 67-177G
 Misc : soil/water
 ALS Vial : 3 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:11 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110507.D
 Acq On : 05 Nov 2022 11:57 am
 Operator : VM
 Sample : 0.04 ppb 8260 ICAL 67-177G
 Misc : soil/water
 ALS Vial : 3 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:11 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 Qlast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I Fluorobenzene	10.000	10.000	0.0	100	0.00
2 TMP Ethanol	-1.000	0.000	0.0	0	0.00
3 S Dibromofluoromethane	10.000	9.462	5.4	100	0.00
4 TMP Dichlorodifluoromethane	-1.000	0.000	0.0	0	-1.12#
5 TMP Chloromethane	-1.000	0.000	0.0	0	-1.26#
6 TMP Vinyl chloride	0.040	0.038	5.0	83	0.00
7 TMP Bromomethane	-1.000	0.000	0.0	0	-1.58#
8 TMP Chloroethane	-1.000	0.000	0.0	0	-1.65#
9 TMP Trichlorofluoromethane	-1.000	0.000	0.0	0	-1.83#
10 TMP 2-Propanol	-1.000	0.000	0.0	0	-2.33#
11 TMP Acetone	-1.000	0.000	0.0	0	-2.33#
12 TMP 1,1-Dichloroethene	0.040	0.042	-5.0	88	-0.01
13 TMP Hexane	-1.000	0.000	0.0	0	-3.16#
14 TMP Methylene chloride	-1.000	0.000	0.0	0	-2.68#
15 TMP t-Butyl alcohol (TBA)	-1.000	0.000	0.0	0	-2.82#
16 TMP Methyl t-butyl ether (MTBE)	0.040	0.040	0.0	97	0.00
17 TMP trans-1,2-Dichloroethene	0.040	0.048	-20.0	100	-0.01
18 TMP Diisopropyl ether (DIPE)	-1.000	0.000	0.0	0	-3.35#
19 TMP 1,1-Dichloroethane	0.040	0.043	-7.5	100	0.00
20 TMP Ethyl t-butyl ether (ETBE)	-1.000	0.000	0.0	0	-3.66#
21 TMP 2,2-Dichloropropane	-1.000	0.000	0.0	0	-3.77#
22 TMP cis-1,2-Dichloroethene	0.040	0.044	-10.0	100	0.00
23 TMP Chloroform	-1.000	0.000	0.0	0	-4.04#
24 TMP 2-Butanone (MEK)	-1.000	0.000	0.0	0	-3.79#
25 TMP t-Amyl methyl ether (TAME)	-1.000	0.000	0.0	0	-4.61#
26 TMP 1,2-Dichloroethane (EDC)	0.040	0.051	-27.5#	107	-0.01
27 TMP 1,1,1-Trichloroethane	0.040	0.043	-7.5	100	0.00
28 TMP 1,1-Dichloropropene	-1.000	0.000	0.0	0	-4.33#
29 TMP Carbon tetrachloride	-1.000	0.000	0.0	0	-4.33#
30 S 1,2-Dichloroethane-d4	10.000	10.387	-3.9	100	0.00
31 TMP Benzene	0.040	0.051	-27.5#	100	0.00
32 TMP Trichloroethene	0.040	0.048	-20.0	102	0.00
33 TMP 1,2-Dichloropropane	-1.000	0.000	0.0	0	-5.24#
34 TMP Bromodichloromethane	-1.000	0.000	0.0	0	-5.48#
35 S Toluene-d8	10.000	9.938	0.6	100	0.00
36 TMP Dibromomethane	-1.000	0.000	0.0	0	-5.35#
37 TMP 4-Methyl-2-pentanone	-1.000	0.000	0.0	0	-6.03#
38 TMP cis-1,3-Dichloropropene	-1.000	0.000	0.0	0	-5.88#
39 I Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40 TMP Toluene	0.040	0.046	-15.0	100	0.00
41 TMP trans-1,3-Dichloropropene	-1.000	0.000	0.0	0	-6.36#
42 TMP 1,1,2-Trichloroethane	0.040	0.048	-20.0	100	0.00
43 TMP 2-Hexanone	-1.000	0.000	0.0	0	-6.76#

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110507.D
 Acq On : 05 Nov 2022 11:57 am
 Operator : VM
 Sample : 0.04 ppb 8260 ICAL 67-177G
 Misc : soil/water
 ALS Vial : 3 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:11 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	-1.000	0.000	0.0	0	-6.68#
45 TMP Tetrachloroethene	0.040	0.039	2.5	100	0.00
46 TMP Dibromochloromethane	-1.000	0.000	0.0	0	-6.88#
47 TMP 1,2-Dibromoethane (EDB)	0.040	0.049	-22.5#	100	0.00
48 TMP Chlorobenzene	-1.000	0.000	0.0	0	-7.43#
49 TMP Ethylbenzene	0.040	0.047	-17.5	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	-1.000	0.000	0.0	0	-7.51#
51 TMP m,p-Xylene	0.080	0.095	-18.8	100	0.00
52 TMP o-Xylene	0.040	0.046	-15.0	100	0.00
53 TMP Styrene	-1.000	0.000	0.0	0	-8.03#
54 TMP Isopropylbenzene	-1.000	0.000	0.0	0	-8.37#
55 TMP Bromoform	-1.000	0.000	0.0	0	-8.20#
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	10.000	10.629	-6.3	100	0.00
58 TMP n-Propylbenzene	-1.000	0.000	0.0	0	-8.77#
59 TMP Bromobenzene	-1.000	0.000	0.0	0	-8.65#
60 TMP 1,3,5-Trimethylbenzene	-1.000	0.000	0.0	0	-8.94#
61 TMP 1,1,2,2-Tetrachloroethane	-1.000	0.000	0.0	0	-8.65#
62 TMP 1,2,3-Trichloropropane	-1.000	0.000	0.0	0	-8.70#
63 TMP 2-Chlorotoluene	-1.000	0.000	0.0	0	-8.84#
64 TMP 4-Chlorotoluene	-1.000	0.000	0.0	0	-8.95#
65 TMP tert-Butylbenzene	-1.000	0.000	0.0	0	-9.25#
66 TMP 1,2,4-Trimethylbenzene	-1.000	0.000	0.0	0	-9.30#
67 TMP sec-Butylbenzene	-1.000	0.000	0.0	0	-9.46#
68 TMP p-Isopropyltoluene	-1.000	0.000	0.0	0	-9.61#
69 TMP 1,3-Dichlorobenzene	-1.000	0.000	0.0	0	-9.56#
70 TMP 1,4-Dichlorobenzene	-1.000	0.000	0.0	0	-9.64#
71 TMP 1,2-Dichlorobenzene	-1.000	0.000	0.0	0	-10.01#
72 TMP 1,2-Dibromo-3-chloropropane	-1.000	0.000	0.0	0	-10.78#
73 TMP 1,2,4-Trichlorobenzene	-1.000	0.000	0.0	0	-11.59#
74 TMP Hexachlorobutadiene	-1.000	0.000	0.0	0	-11.77#
75 TMP Naphthalene	-1.000	0.000	0.0	0	-11.84#
76 TMP 1,2,3-Trichlorobenzene	-1.000	0.000	0.0	0	-12.08#

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110507.D
 Acq On : 05 Nov 2022 11:57 am
 Operator : VM
 Sample : 0.04 ppb 8260 ICAL 67-177G
 Misc : soil/water
 ALS Vial : 3 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:11 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2 TMP	Ethanol	0.000	0.000#	0.0	0#	0.00
3 S	Dibromofluoromethane	0.321	0.303	5.6	100	0.00
4 TMP	Dichlorodifluoromethane	0.800	0.000#	100.0#	0#	-1.12#
5 TMP	Chloromethane	0.488	0.000#	100.0#	0#	-1.26#
6 TMP	Vinyl chloride	0.510	0.479	6.1	83	0.00
7 TMP	Bromomethane	0.432	0.000#	100.0#	0#	-1.58#
8 TMP	Chloroethane	0.229	0.000#	100.0#	0#	-1.65#
9 TMP	Trichlorofluoromethane	1.123	0.000#	100.0#	0#	-1.83#
10 TMP	2-Propanol	0.000	0.000	0.0	0#	-2.33#
11 TMP	Acetone	0.029	0.000#	100.0#	0#	-2.33#
12 TMP	1,1-Dichloroethene	0.285	0.298	-4.6	88	-0.01
13 TMP	Hexane	0.323	0.000#	100.0#	0#	-3.16#
14 TMP	Methylene chloride	0.289	0.000#	100.0#	0#	-2.68#
15 TMP	t-Butyl alcohol (TBA)	0.024	0.000#	100.0#	0#	-2.82#
16 TMP	Methyl t-butyl ether (MTBE)	0.666	0.669	-0.5	97	0.00
17 TMP	trans-1,2-Dichloroethene	0.318	0.385	-21.1#	100	-0.01
18 TMP	Diisopropyl ether (DIPE)	0.698	0.000#	100.0#	0#	-3.35#
19 TMP	1,1-Dichloroethane	0.463	0.494	-6.7	100	0.00
20 TMP	Ethyl t-butyl ether (ETBE)	0.258	0.000#	100.0#	0#	-3.66#
21 TMP	2,2-Dichloropropane	0.258	0.000#	100.0#	0#	-3.77#
22 TMP	cis-1,2-Dichloroethene	0.333	0.369	-10.8	100	0.00
23 TMP	Chloroform	0.539	0.000#	100.0#	0#	-4.04#
24 TMP	2-Butanone (MEK)	0.132	0.000#	100.0#	0#	-3.79#
25 TMP	t-Amyl methyl ether (TAME)	0.540	0.000#	100.0#	0#	-4.61#
26 TMP	1,2-Dichloroethane (EDC)	0.465	0.913	-96.3#	107	-0.01
27 TMP	1,1,1-Trichloroethane	0.482	0.515	-6.8	100	0.00
28 TMP	1,1-Dichloropropene	0.370	0.000#	100.0#	0#	-4.33#
29 TMP	Carbon tetrachloride	0.485	0.000#	100.0#	0#	-4.33#
30 S	1,2-Dichloroethane-d4	0.062	0.065	-4.8	100	0.00
31 TMP	Benzene	1.118	1.425	-27.5#	100	0.00
32 TMP	Trichloroethene	0.367	0.438	-19.3	102	0.00
33 TMP	1,2-Dichloropropane	0.241	0.000#	100.0#	0#	-5.24#
34 TMP	Bromodichloromethane	0.387	0.000#	100.0#	0#	-5.48#
35 S	Toluene-d8	0.954	0.948	0.6	100	0.00
36 TMP	Dibromomethane	0.219	0.000#	100.0#	0#	-5.35#
37 TMP	4-Methyl-2-pentanone	0.042	0.000#	100.0#	0#	-6.03#
38 TMP	cis-1,3-Dichloropropene	0.360	0.000#	100.0#	0#	-5.88#
39 I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40 TMP	Toluene	0.907	1.257	-38.6#	100	0.00
41 TMP	trans-1,3-Dichloropropene	0.366	0.000#	100.0#	0#	-6.36#
42 TMP	1,1,2-Trichloroethane	0.285	0.403	-41.4#	100	0.00
43 TMP	2-Hexanone	0.190	0.000#	100.0#	0#	-6.76#

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110507.D
 Acq On : 05 Nov 2022 11:57 am
 Operator : VM
 Sample : 0.04 ppb 8260 ICAL 67-177G
 Misc : soil/water
 ALS Vial : 3 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:11 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.457	0.000#	100.0#	0#	-6.68#
45 TMP Tetrachloroethene	0.460	0.589	-28.0#	100	0.00
46 TMP Dibromochloromethane	0.451	0.000#	100.0#	0#	-6.88#
47 TMP 1,2-Dibromoethane (EDB)	0.360	0.441	-22.5#	100	0.00
48 TMP Chlorobenzene	0.993	0.000#	100.0#	0#	-7.43#
49 TMP Ethylbenzene	1.557	1.840	-18.2	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.387	0.000#	100.0#	0#	-7.51#
51 TMP m,p-Xylene	0.612	0.724	-18.3	100	0.00
52 TMP o-Xylene	0.591	0.673	-13.9	100	0.00
53 TMP Styrene	0.887	0.000#	100.0#	0#	-8.03#
54 TMP Isopropylbenzene	1.435	0.000#	100.0#	0#	-8.37#
55 TMP Bromoform	0.299	0.000#	100.0#	0#	-8.20#
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	0.689	0.732	-6.2	100	0.00
58 TMP n-Propylbenzene	2.700	0.000#	100.0#	0#	-8.77#
59 TMP Bromobenzene	0.837	0.000#	100.0#	0#	-8.65#
60 TMP 1,3,5-Trimethylbenzene	1.968	0.000#	100.0#	0#	-8.94#
61 TMP 1,1,2,2-Tetrachloroethane	0.626	0.000#	100.0#	0#	-8.65#
62 TMP 1,2,3-Trichloropropane	0.486	0.000#	100.0#	0#	-8.70#
63 TMP 2-Chlorotoluene	1.617	0.000#	100.0#	0#	-8.84#
64 TMP 4-Chlorotoluene	1.912	0.000#	100.0#	0#	-8.95#
65 TMP tert-Butylbenzene	1.952	0.000#	100.0#	0#	-9.25#
66 TMP 1,2,4-Trimethylbenzene	1.996	0.000#	100.0#	0#	-9.30#
67 TMP sec-Butylbenzene	2.624	0.000#	100.0#	0#	-9.46#
68 TMP p-Isopropyltoluene	2.387	0.000#	100.0#	0#	-9.61#
69 TMP 1,3-Dichlorobenzene	1.530	0.000#	100.0#	0#	-9.56#
70 TMP 1,4-Dichlorobenzene	1.564	0.000#	100.0#	0#	-9.64#
71 TMP 1,2-Dichlorobenzene	1.455	0.000#	100.0#	0#	-10.01#
72 TMP 1,2-Dibromo-3-chloropropane	0.108	0.000#	100.0#	0#	-10.78#
73 TMP 1,2,4-Trichlorobenzene	0.971	0.000#	100.0#	0#	-11.59#
74 TMP Hexachlorobutadiene	0.600	0.000#	100.0#	0#	-11.77#
75 TMP Naphthalene	1.833	0.000#	100.0#	0#	-11.84#
76 TMP 1,2,3-Trichlorobenzene	0.846	0.000#	100.0#	0#	-12.08#

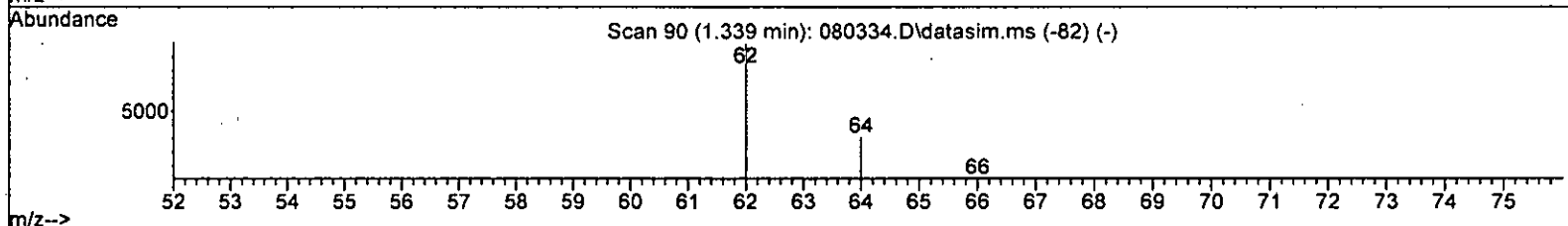
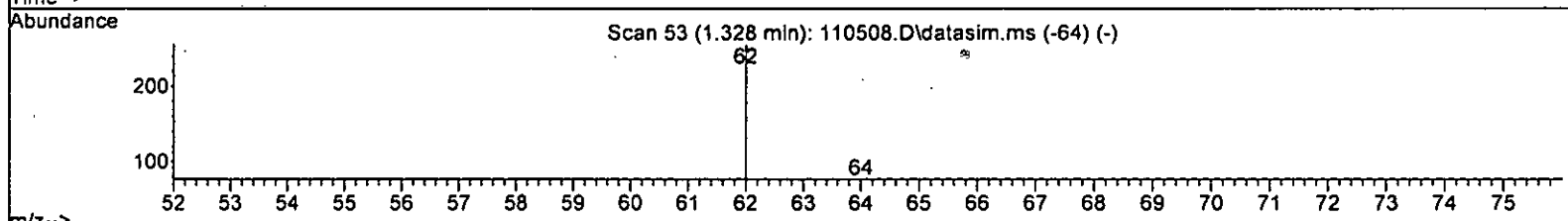
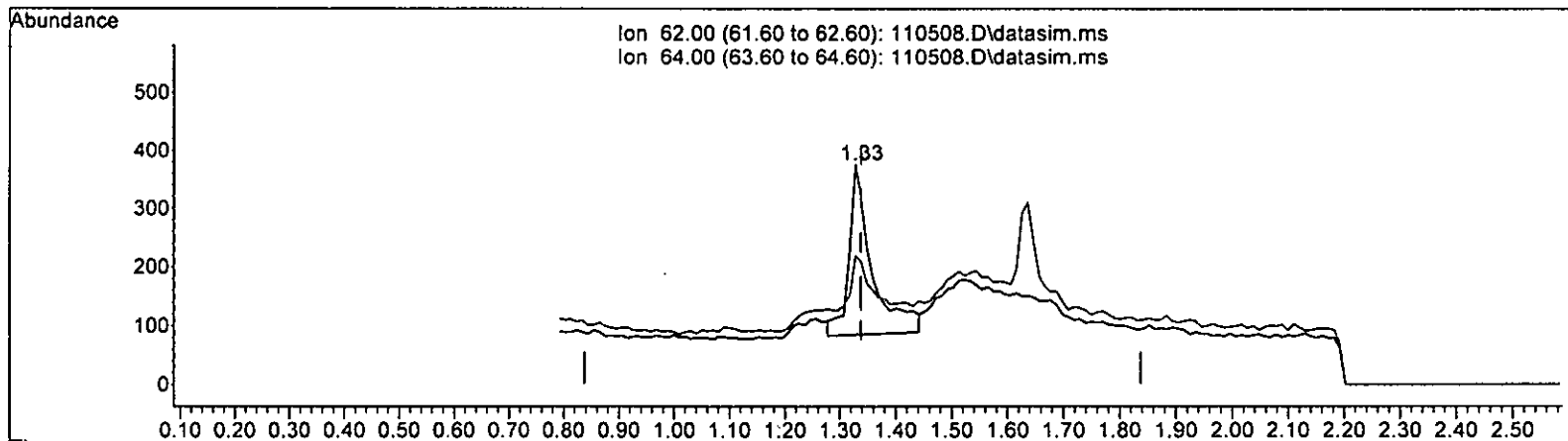
(#) = Out of Range

SPCC's out = 51 CCC's out = 0

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110508.D
 Acq On : 05 Nov 2022 12:20 pm
 Operator : VM
 Sample : 0.1 ppb 8260 ICAL 67-177H
 Misc : soil/water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:13 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110508.D\data.ms

(6) Vinyl chloride (TMP)

1.328min (-0.010) 0.148 ppb

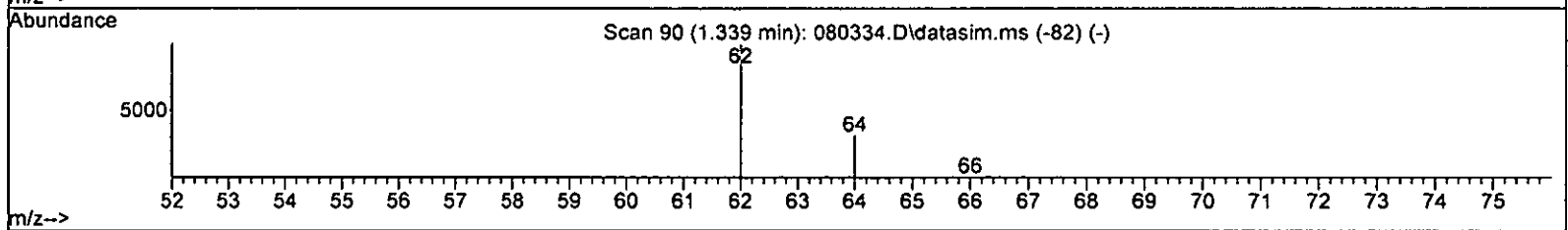
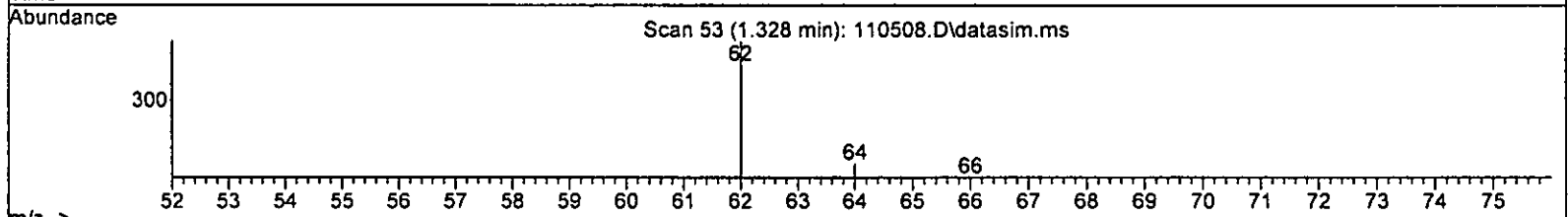
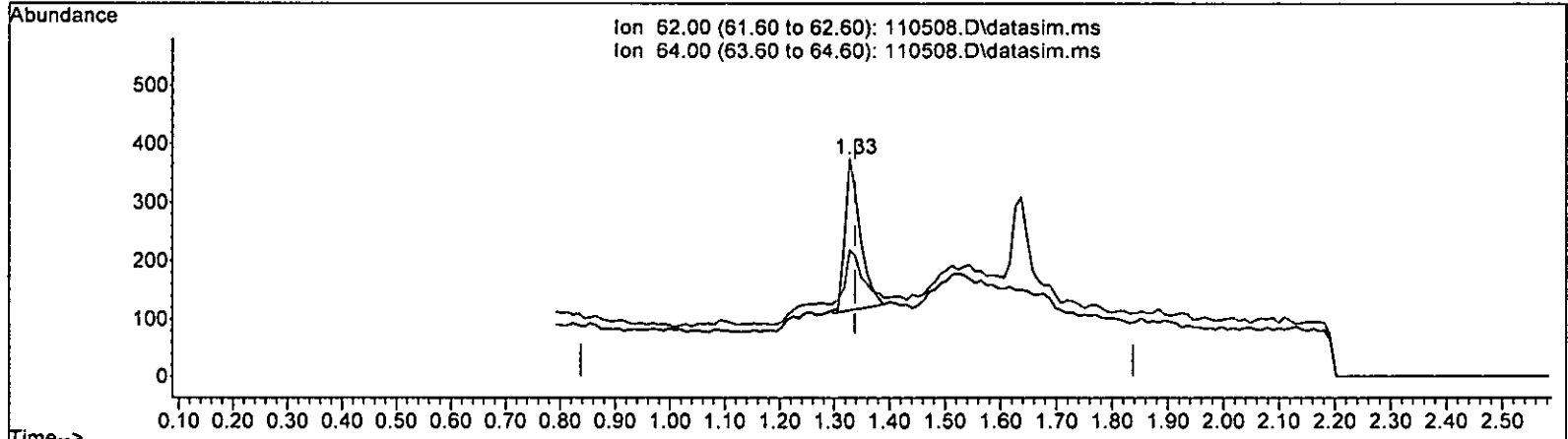
response 825

Ion	Exp%	Act%
62.00	100.00	100.00
64.00	34.40	34.08
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110508.D
 Acq On : 05 Nov 2022 12:20 pm
 Operator : VM
 Sample : 0.1 ppb 8260 ICAL 67-177H
 Misc : soil/water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:13 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110508.D\data.ms

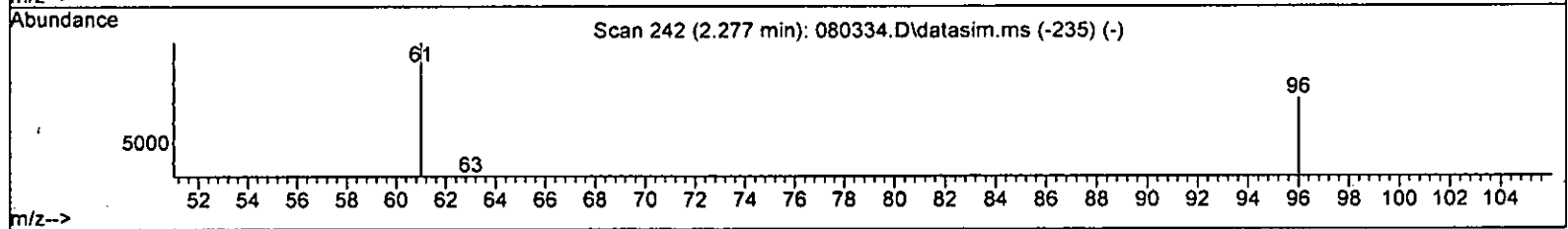
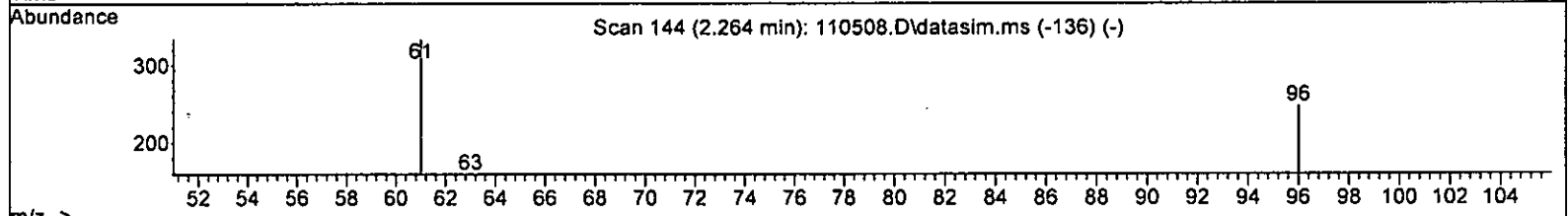
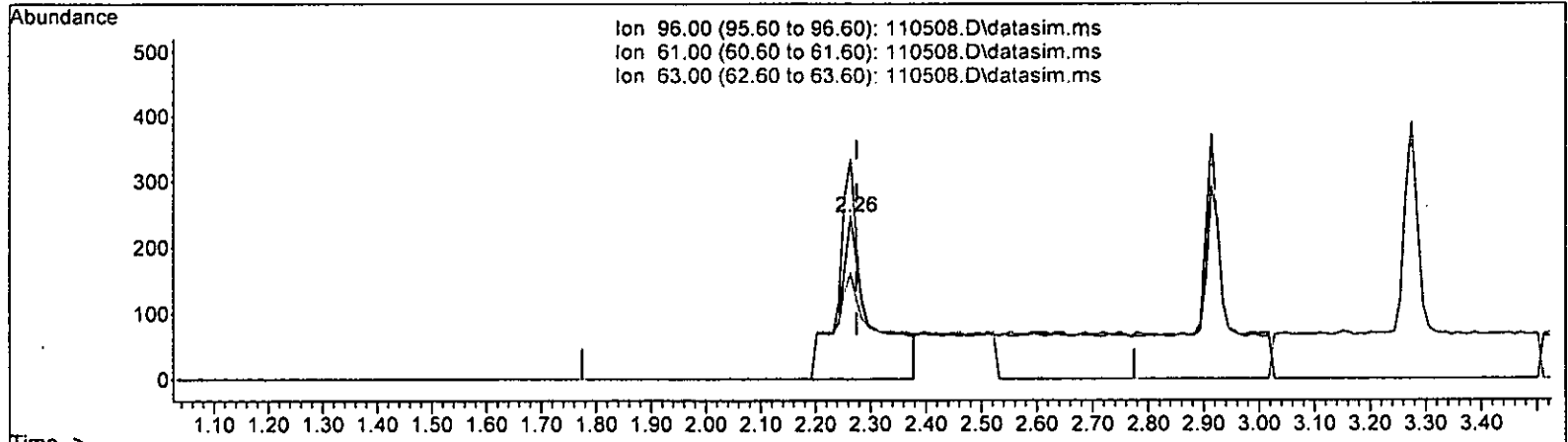
(6) Vinyl chloride (TMP)
 1.328min (-0.010) 0.089 ppb m
 response 497

Ion	Exp%	Act%
62.00	100.00	100.00
64.00	34.40	58.40
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110508.D
 Acq On : 05 Nov 2022 12:20 pm
 Operator : VM
 Sample : 0.1 ppb 8260 ICAL 67-177H
 Misc : soil/water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:13 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110508.D\data.ms

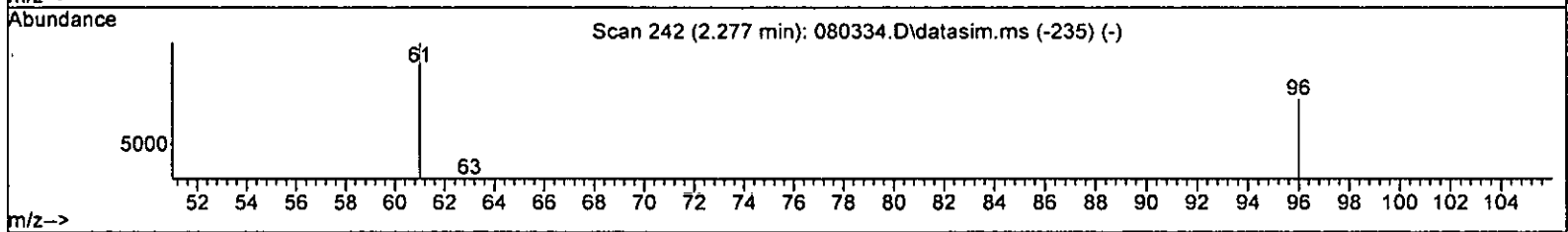
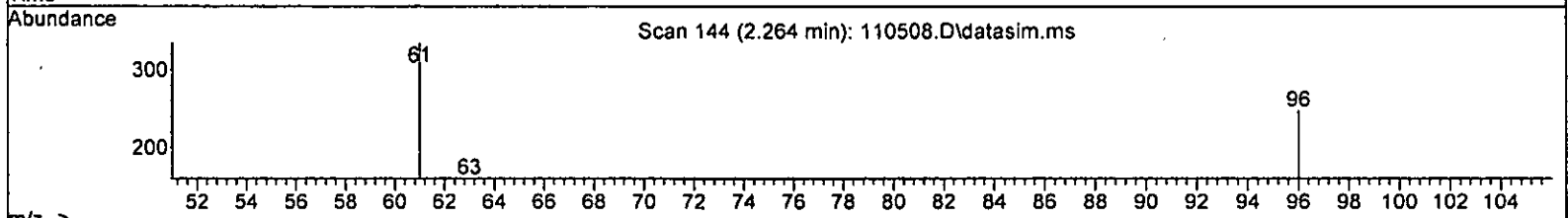
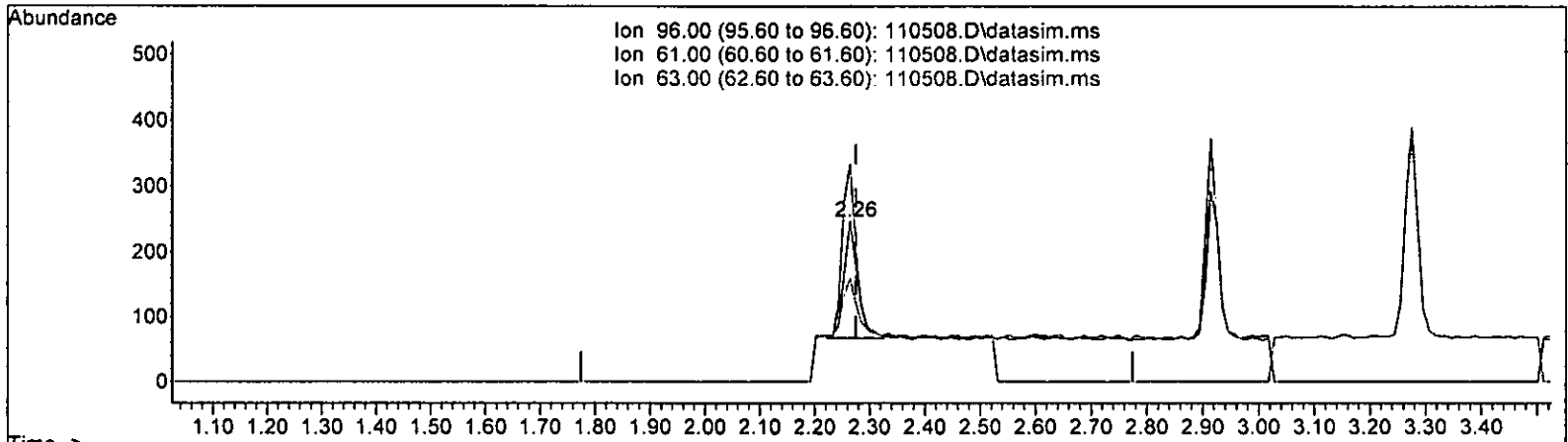
(12) 1,1-Dichloroethene (TMP)
 2.264min (-0.011) 0.342 ppb
 response 1066

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	120.90	135.22
63.00	43.90	64.78
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110508.D
 Acq On : 05 Nov 2022 12:20 pm
 Operator : VM
 Sample : 0.1 ppb 8260 ICAL 67-177H
 Misc : soil/water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:13 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110508.D\data.ms

(12) 1,1-Dichloroethene (TMP)

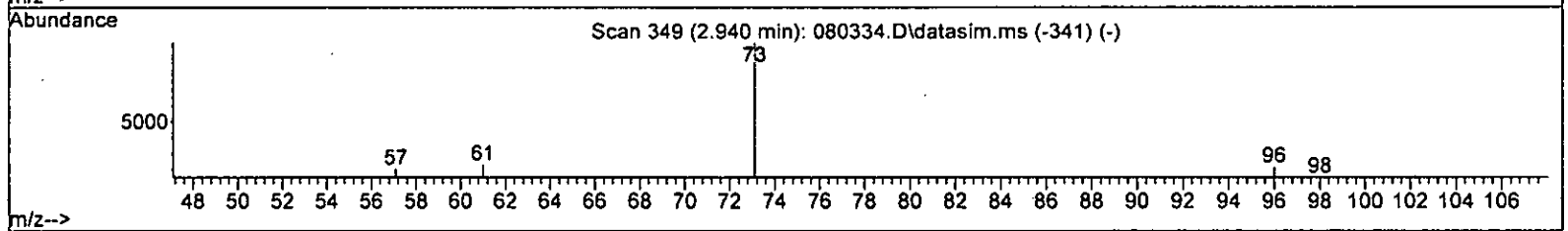
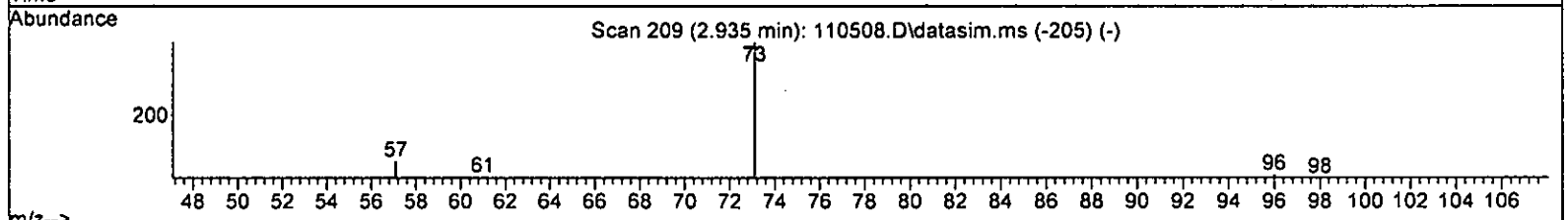
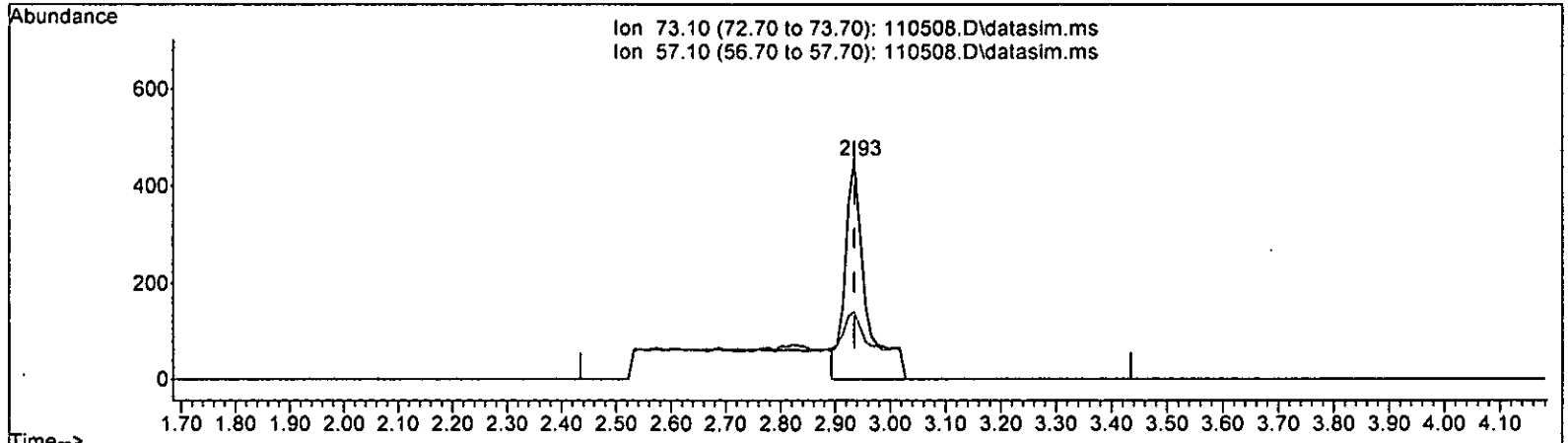
2.264min (-0.011) 0.100 ppb m

response	312	
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	120.90	135.22
63.00	43.90	64.78
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110508.D
 Acq On : 05 Nov 2022 12:20 pm
 Operator : VM
 Sample : 0.1 ppb 8260 ICAL 67-177H
 Misc : soil/water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:13 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110508.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

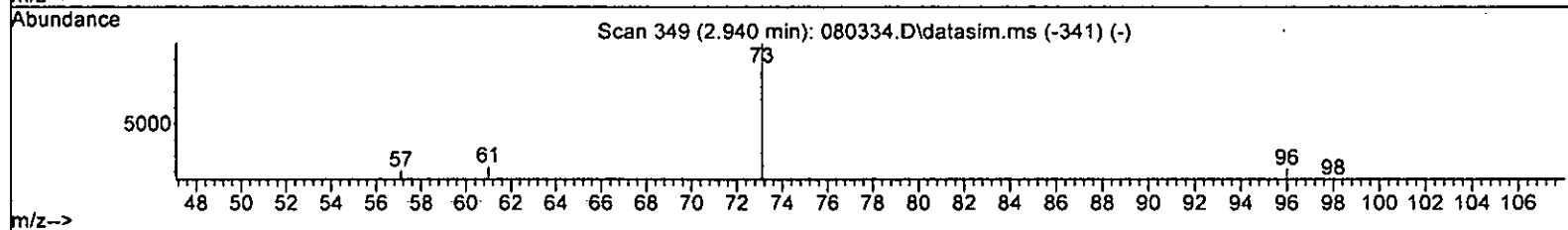
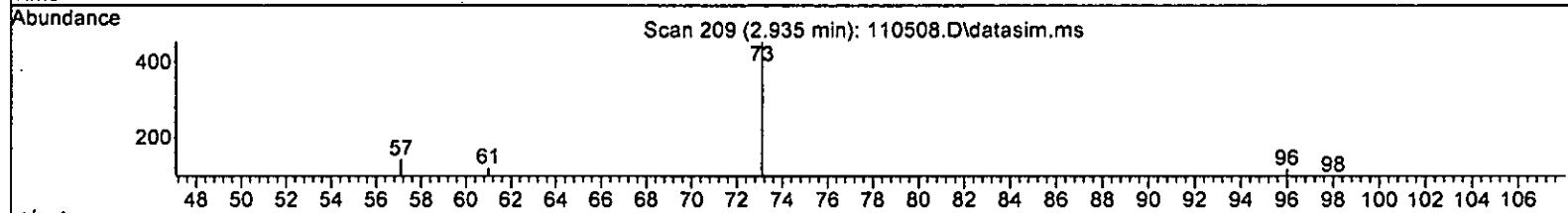
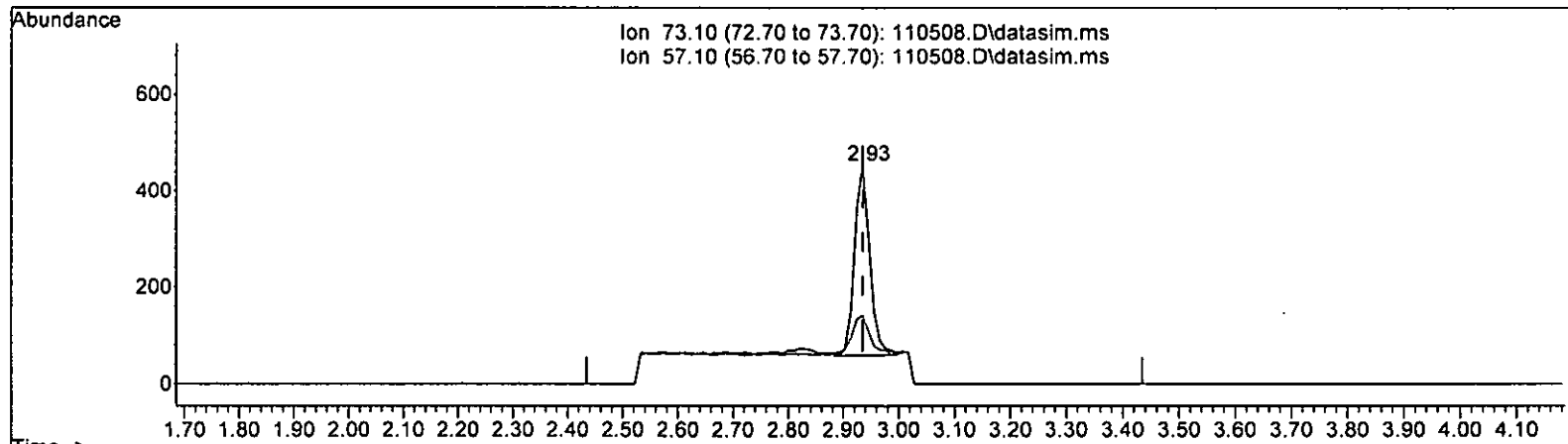
2.935min (-0.000) 0.163 ppb

response	1187	
Ion	Exp%	Act%
73.10	100.00	100.00
57.10	19.40	31.13
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110508.D
 Acq On : 05 Nov 2022 12:20 pm
 Operator : VM
 Sample : 0.1 ppb 8260 ICAL 67-177H
 Misc : soil/water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:13 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110508.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

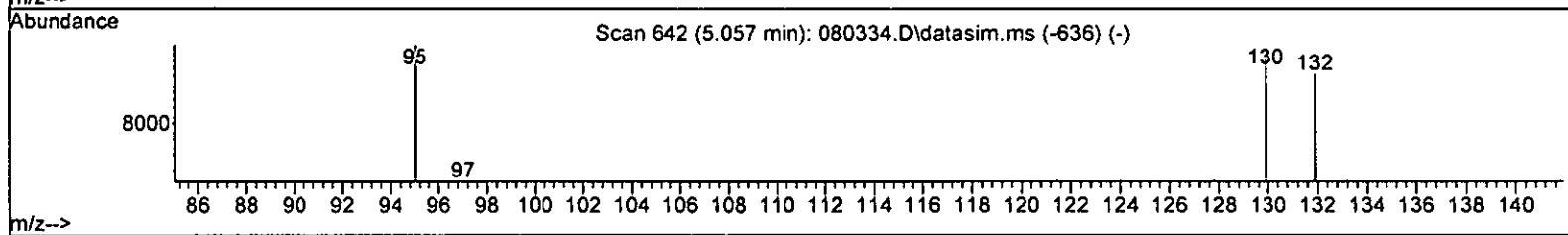
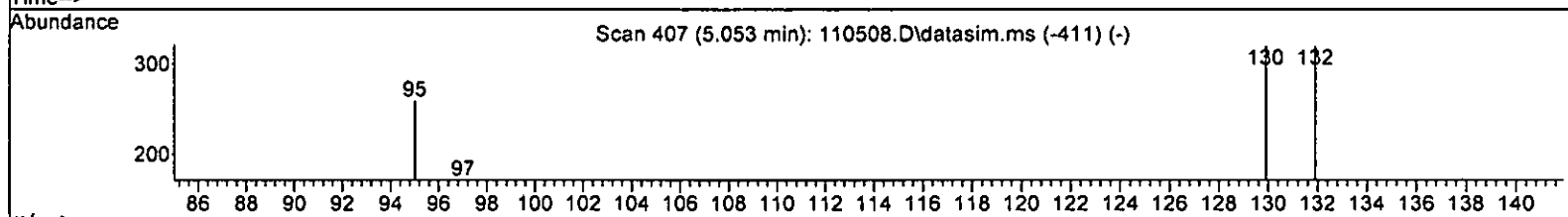
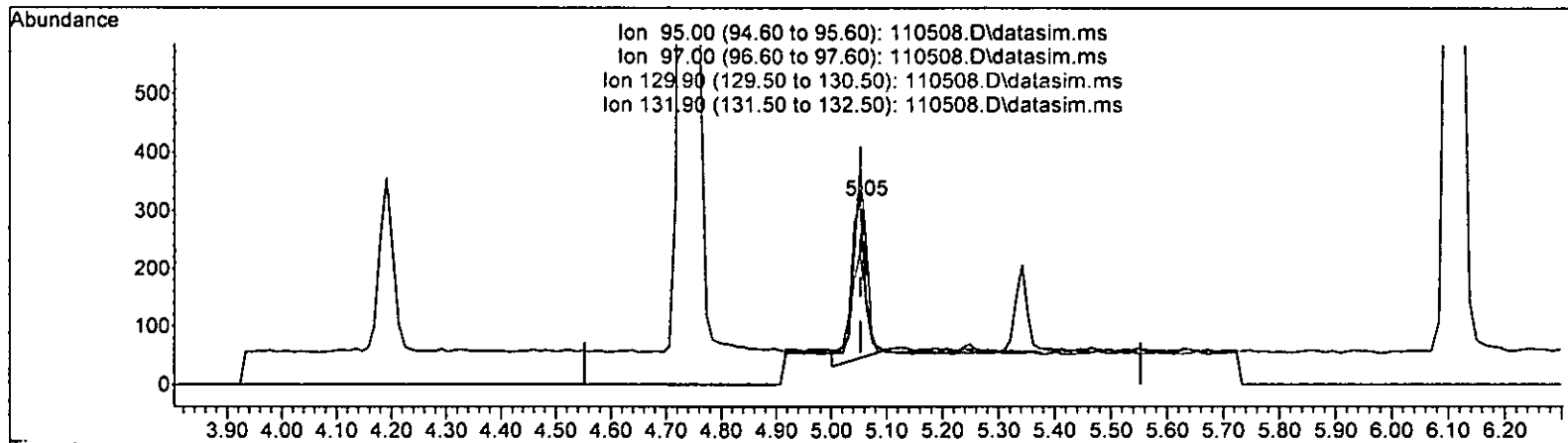
2.935min (-0.000) 0.102 ppb m

response	741	
Ion	Exp%	Act%
73.10	100.00	100.00
57.10	19.40	31.13
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110508.D
 Acq On : 05 Nov 2022 12:20 pm
 Operator : VM
 Sample : 0.1 ppb 8260 ICAL 67-177H
 Misc : soil/water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:13 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



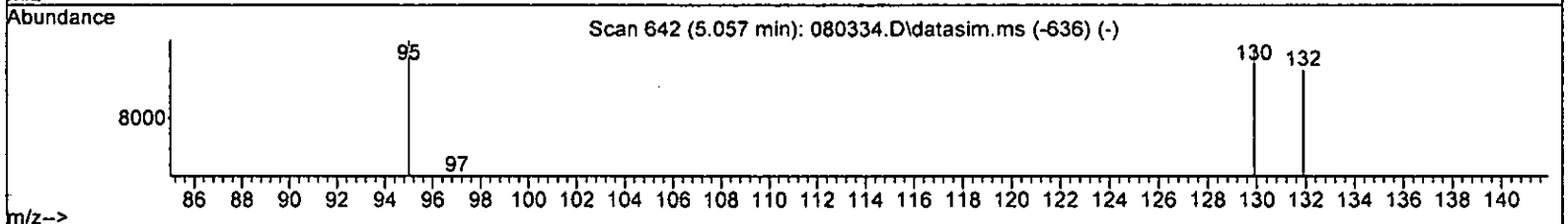
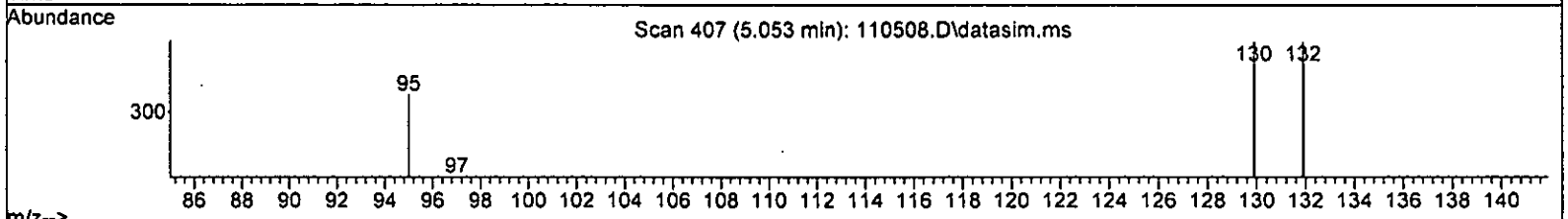
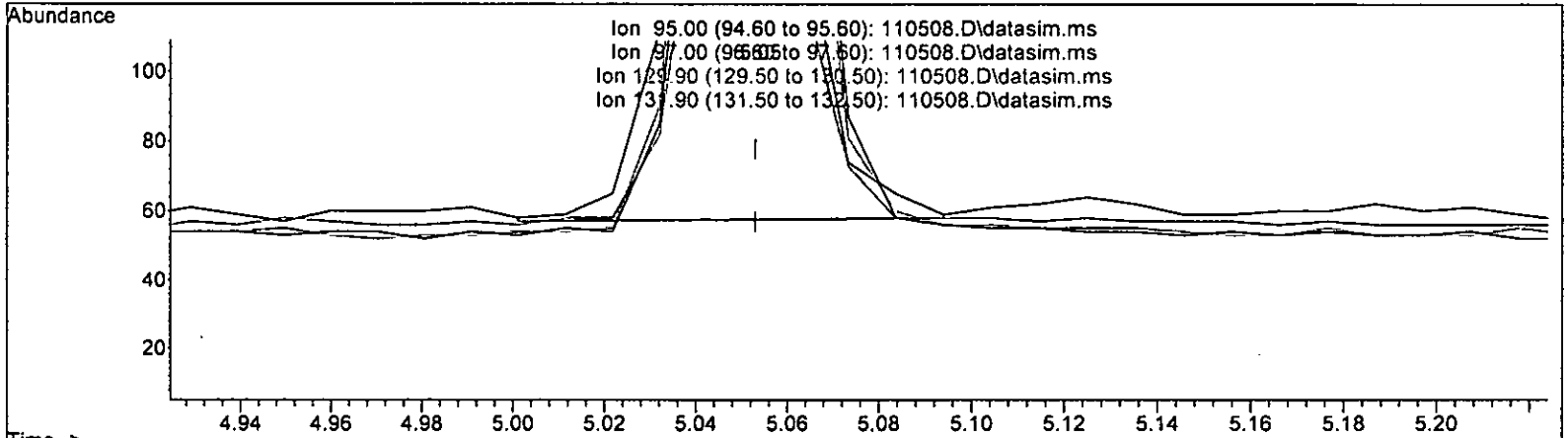
TIC: 110508.D\data.ms

(32) Trichloroethene (TME)		
5.053min (-0.000)	0.121 ppb	
response	484	
Ion	Exp%	Act%
95.00	100.00	100.00
97.00	64.60	66.54
129.90	103.40	123.85
131.90	95.80	123.85

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110508.D
 Acq On : 05 Nov 2022 12:20 pm
 Operator : VM
 Sample : 0.1 ppb 8260 ICAL 67-177H
 Misc : soil/water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:13 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110508.D\data.ms.

(32) Trichloroethene (TPE)

5.053min (-0.000) 0.102 ppb m

response 411

Ion	Exp%	Act%
95.00	100.00	100.00
97.00	64.60	72.01
129.90	103.40	118.24
131.90	95.80	117.92

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110508.D
 Acq On : 05 Nov 2022 12:20 pm
 Operator : VM
 Sample : 0.1 ppb 8260 ICAL 67-177H
 Misc : soil/water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:13 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	4.73	96	109470	10.000	ppb	-0.01	
39) Chlorobenzene-d5	7.40	117	90583	10.000	ppb	0.00	
56) 1,4-Dichlorobenzene-d4	9.62	152	50314	10.000	ppb	0.00	
System Monitoring Compounds							
3) Dibromofluoromethane	4.18	113	35688	10.166	ppb	0.00	
Spiked Amount	10.000	Range	50 - 150	Recovery	=	101.70%	
30) 1,2-Dichloroethane-d4	4.45	102	7083	10.411	ppb	0.00	
Spiked Amount	10.000	Range	84 - 120	Recovery	=	104.10%	
35) Toluene-d8	6.11	98	104488	10.008	ppb	0.00	
Spiked Amount	10.000	Range	73 - 128	Recovery	=	100.10%	
57) 4-Bromofluorobenzene	8.51	95	36575	10.550	ppb	0.00	
Spiked Amount	10.000	Range	57 - 146	Recovery	=	105.50%	
Target Compounds							
							Qvalue
2) Ethanol	2.34	45	221	No Calib			
4) Dichlorodifluoromethane	0.00		0	N.D.	d		
5) Chloromethane	0.00		0	N.D.	d		
6] Vinyl chloride	1.33	62	497m	0.089	ppb		
7) Bromomethane	0.00		0	N.D.	d		
8) Chloroethane	0.00		0	N.D.	d		
9) Trichlorofluoromethane	0.00		0	N.D.	d		
10) 2-Propanol	0.00		0	N.D.	d		
11) Acetone	0.00		0	N.D.	d		
12] 1,1-Dichloroethene	2.26	96	312m	0.100	ppb		
13) Hexane	0.00		0	N.D.	d		
14) Methylene chloride	0.00		0	N.D.	d		
15) t-Butyl alcohol (TBA)	0.00		0	N.D.	d		
16] Methyl t-butyl ether (...)	2.93	73	741m	0.102	ppb		
17] trans-1,2-Dichloroethene	2.91	96	356	0.102	ppb		82
18) Diisopropyl ether (DIPE)	0.00		0	N.D.	d		
19] 1,1-Dichloroethane	3.27	63	521	0.103	ppb		97
20) Ethyl t-butyl ether (E...)	0.00		0	N.D.	d		
21) 2,2-Dichloropropane	0.00		0	N.D.	d		
22] cis-1,2-Dichloroethene	3.77	96	375	0.103	ppb		97
23) Chloroform	0.00		0	N.D.	d		
24) 2-Butanone (MEK)	0.00		0	N.D.	d		
25) t-Amyl methyl ether (T...)	0.00		0	N.D.	d		
26] 1,2-Dichloroethane (EDC)	4.52	62	601	0.096	ppb		93
27] 1,1,1-Trichloroethane	4.19	97	516	0.098	ppb		93
28) 1,1-Dichloropropene	0.00		0	N.D.	d		
29) Carbon tetrachloride	0.00		0	N.D.	d		
31] Benzene	4.50	78	1279	0.104	ppb		99
32] Trichloroethene	5.05	95	411m	0.102	ppb		
33) 1,2-Dichloropropane	0.00		0	N.D.	d		
34) Bromodichloromethane	0.00		0	N.D.	d		
36) Dibromomethane	0.00		0	N.D.	d		

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110508.D
 Acq On : 05 Nov 2022 12:20 pm
 Operator : VM
 Sample : 0.1 ppb 8260 ICAL 67-177H
 Misc : soil/water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

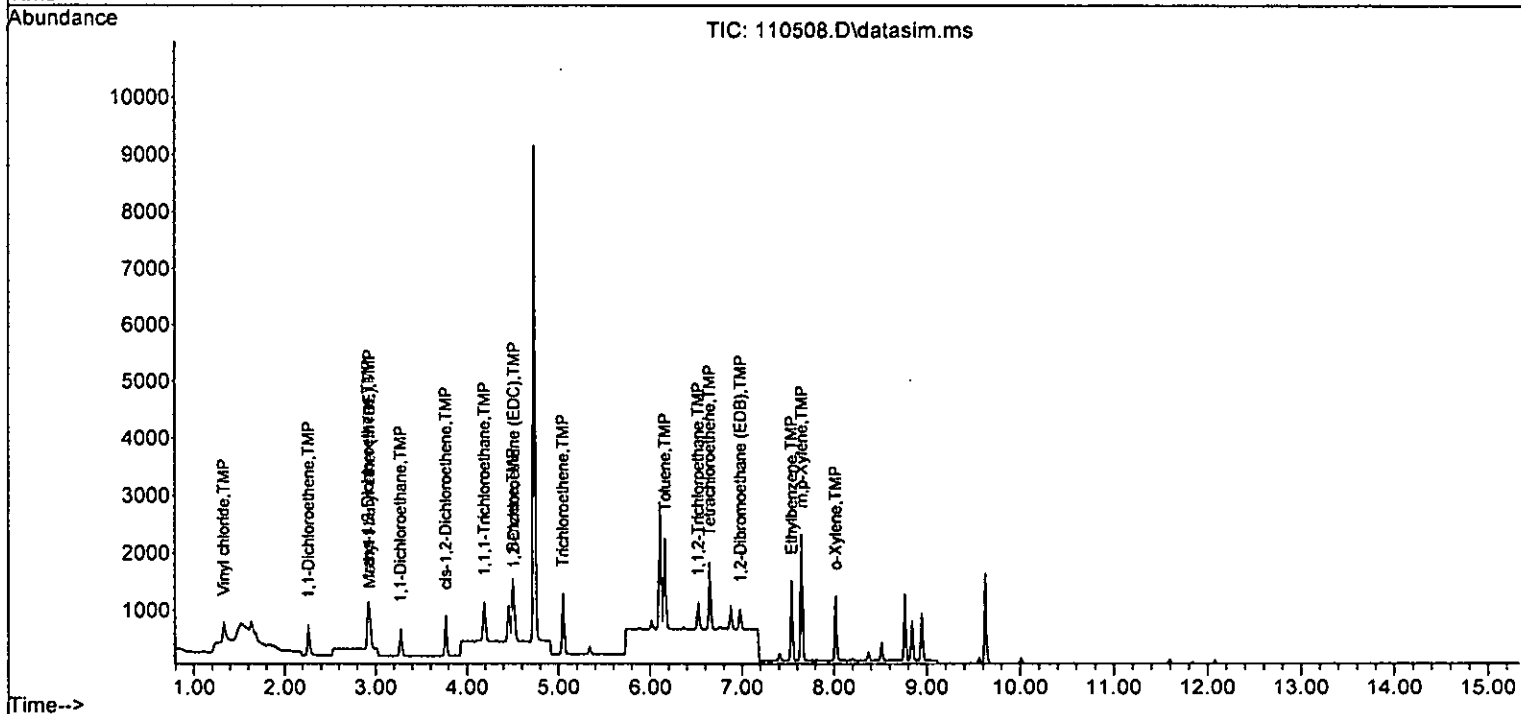
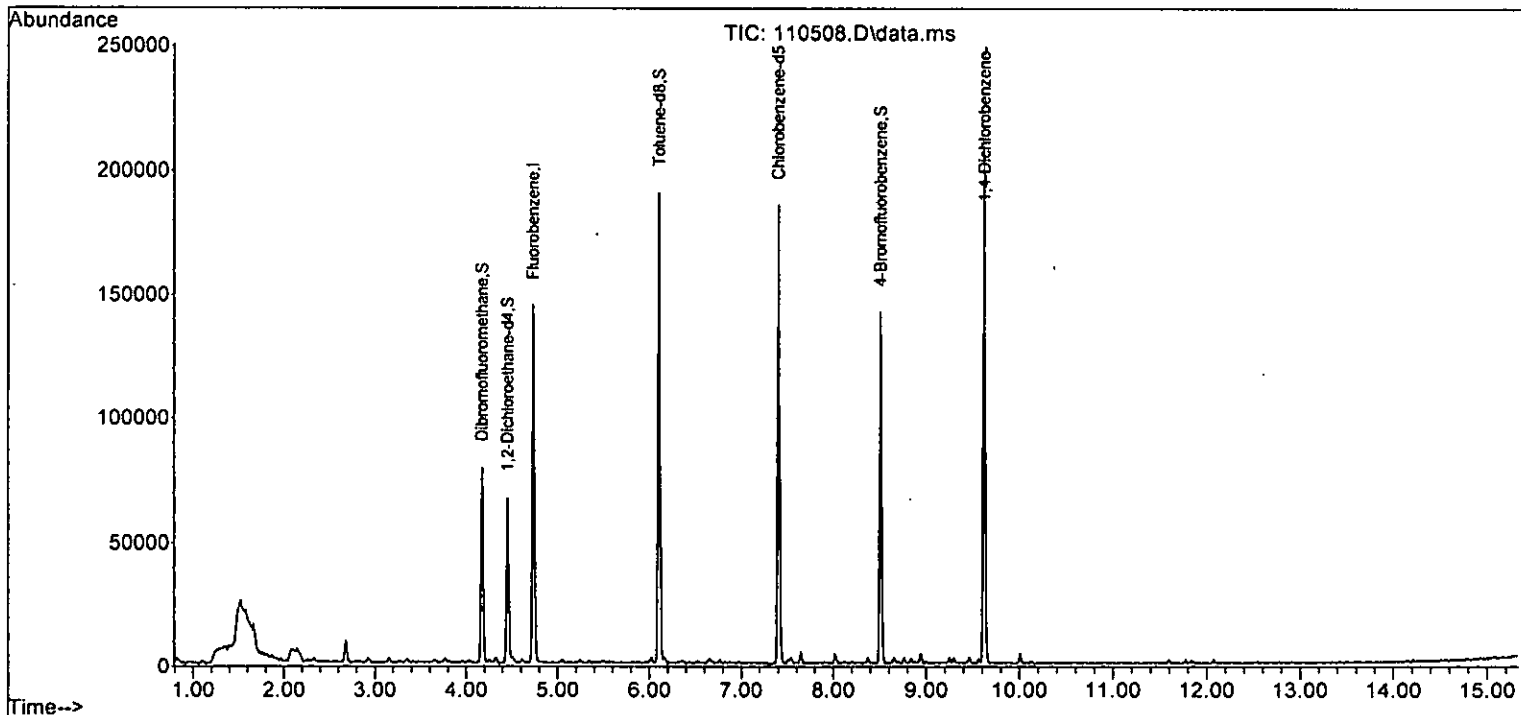
Quant Time: Nov 07 15:17:13 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.00		0	N.D.	d	
38) cis-1,3-Dichloropropene	0.00		0	N.D.	d	
40] Toluene	6.16	92	862	0.102	ppb	99
41) trans-1,3-Dichloropropene	0.00		0	N.D.	d	
42] 1,1,2-Trichloroethane	6.53	83	254	0.094	ppb	87
43) 2-Hexanone	0.00		0	N.D.	d	
44) 1,3-Dichloropropane	0.00		0	N.D.	d	
45] Tetrachloroethene	6.65	164	432	0.101	ppb	95
46) Dibromochloromethane	0.00		0	N.D.	d	
47] 1,2-Dibromoethane (EDB)	6.98	107	312	0.096	ppb	95
48) Chlorobenzene	0.00		0	N.D.	d	
49] Ethylbenzene	7.54	91	1419	0.101	ppb	94
50) 1,1,1,2-Tetrachloroethane	0.00		0	N.D.	d	
51] m,p-Xylene	7.65	106	1086	0.196	ppb	89
52] o-Xylene	8.02	106	541	0.101	ppb	85
53) Styrene	0.00		0	N.D.	d	
54) Isopropylbenzene	0.00		0	N.D.	d	
55) Bromoform	0.00		0	N.D.	d	
58) n-Propylbenzene	0.00		0	N.D.	d	
59) Bromobenzene	0.00		0	N.D.	d	
60) 1,3,5-Trimethylbenzene	0.00		0	N.D.	d	
61) 1,1,2,2-Tetrachloroethane	0.00		0	N.D.	d	
62) 1,2,3-Trichloropropane	0.00		0	N.D.	d	
63) 2-Chlorotoluene	0.00		0	N.D.	d	
64) 4-Chlorotoluene	0.00		0	N.D.	d	
65) tert-Butylbenzene	0.00		0	N.D.	d	
66) 1,2,4-Trimethylbenzene	0.00		0	N.D.	d	
67) sec-Butylbenzene	0.00		0	N.D.	d	
68) p-Isopropyltoluene	0.00		0	N.D.	d	
69) 1,3-Dichlorobenzene	0.00		0	N.D.	d	
70) 1,4-Dichlorobenzene	0.00		0	N.D.	d	
71) 1,2-Dichlorobenzene	0.00		0	N.D.	d	
72) 1,2-Dibromo-3-chloropr...	0.00		0	N.D.	d	
73) 1,2,4-Trichlorobenzene	0.00		0	N.D.	d	
74) Hexachlorobutadiene	0.00		0	N.D.	d	
75) Naphthalene	0.00		0	N.D.	d	
76) 1,2,3-Trichlorobenzene	0.00		0	N.D.	d	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110508.D
 Acq On : 05 Nov 2022 12:20 pm
 Operator : VM
 Sample : 0.1 ppb 8260 ICAL 67-177H
 Misc : soil/water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:13 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110508.D
 Acq On : 05 Nov 2022 12:20 pm
 Operator : VM
 Sample : 0.1 ppb 8260 ICAL 67-177H
 Misc : soil/water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:13 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I Fluorobenzene	10.000	10.000	0.0	100	-0.01
2 TMP Ethanol	-1.000	0.000	0.0	0	0.01
3 S Dibromofluoromethane	10.000	10.166	-1.7	100	0.00
4 TMP Dichlorodifluoromethane	-1.000	0.000	0.0	0	-1.12#
5 TMP Chloromethane	-1.000	0.000	0.0	0	-1.26#
6 TMP Vinyl chloride	0.100	0.089	11.0	96	-0.01
7 TMP Bromomethane	-1.000	0.000	0.0	0	-1.58#
8 TMP Chloroethane	-1.000	0.000	0.0	0	-1.65#
9 TMP Trichlorofluoromethane	-1.000	0.000	0.0	0	-1.83#
10 TMP 2-Propanol	-1.000	0.000	0.0	0	-2.33#
11 TMP Acetone	-1.000	0.000	0.0	0	-2.33#
12 TMP 1,1-Dichloroethene	0.100	0.100	0.0	100	-0.01
13 TMP Hexane	-1.000	0.000	0.0	0	-3.16#
14 TMP Methylene chloride	-1.000	0.000	0.0	0	-2.68#
15 TMP t-Butyl alcohol (TBA)	-1.000	0.000	0.0	0	-2.82#
16 TMP Methyl t-butyl ether (MTBE)	0.100	0.102	-2.0	98	0.00
17 TMP trans-1,2-Dichloroethene	0.100	0.102	-2.0	100	-0.01
18 TMP Diisopropyl ether (DIPE)	-1.000	0.000	0.0	0	-3.35#
19 TMP 1,1-Dichloroethane	0.100	0.103	-3.0	100	0.00
20 TMP Ethyl t-butyl ether (ETBE)	-1.000	0.000	0.0	0	-3.66#
21 TMP 2,2-Dichloropropane	-1.000	0.000	0.0	0	-3.77#
22 TMP cis-1,2-Dichloroethene	0.100	0.103	-3.0	100	0.00
23 TMP Chloroform	-1.000	0.000	0.0	0	-4.04#
24 TMP 2-Butanone (MEK)	-1.000	0.000	0.0	0	-3.79#
25 TMP t-Amyl methyl ether (TAME)	-1.000	0.000	0.0	0	-4.61#
26 TMP 1,2-Dichloroethane (EDC)	0.100	0.096	4.0	108	-0.01
27 TMP 1,1,1-Trichloroethane	0.100	0.098	2.0	100	0.00
28 TMP 1,1-Dichloropropene	-1.000	0.000	0.0	0	-4.33#
29 TMP Carbon tetrachloride	-1.000	0.000	0.0	0	-4.33#
30 S 1,2-Dichloroethane-d4	10.000	10.411	-4.1	100	0.00
31 TMP Benzene	0.100	0.104	-4.0	100	0.00
32 TMP Trichloroethene	0.100	0.102	-2.0	96	0.00
33 TMP 1,2-Dichloropropane	-1.000	0.000	0.0	0	-5.24#
34 TMP Bromodichloromethane	-1.000	0.000	0.0	0	-5.48#
35 S Toluene-d8	10.000	10.008	-0.1	100	0.00
36 TMP Dibromomethane	-1.000	0.000	0.0	0	-5.35#
37 TMP 4-Methyl-2-pentanone	-1.000	0.000	0.0	0	-6.03#
38 TMP cis-1,3-Dichloropropene	-1.000	0.000	0.0	0	-5.88#
39 I Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40 TMP Toluene	0.100	0.102	-2.0	100	0.00
41 TMP trans-1,3-Dichloropropene	-1.000	0.000	0.0	0	-6.36#
42 TMP 1,1,2-Trichloroethane	0.100	0.094	6.0	100	0.00
43 TMP 2-Hexanone	-1.000	0.000	0.0	0	-6.76#

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110508.D
 Acq On : 05 Nov 2022 12:20 pm
 Operator : VM
 Sample : 0.1 ppb 8260 ICAL 67-177H
 Misc : soil/water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:13 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	-1.000	0.000	0.0	0	-6.68#
45 TMP Tetrachloroethene	0.100	0.101	-1.0	100	0.00
46 TMP Dibromochloromethane	-1.000	0.000	0.0	0	-6.88#
47 TMP 1,2-Dibromoethane (EDB)	0.100	0.096	4.0	100	0.00
48 TMP Chlorobenzene	-1.000	0.000	0.0	0	-7.43#
49 TMP Ethylbenzene	0.100	0.101	-1.0	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	-1.000	0.000	0.0	0	-7.51#
51 TMP m,p-Xylene	0.200	0.196	2.0	100	0.00
52 TMP o-Xylene	0.100	0.101	-1.0	100	0.00
53 TMP Styrene	-1.000	0.000	0.0	0	-8.03#
54 TMP Isopropylbenzene	-1.000	0.000	0.0	0	-8.37#
55 TMP Bromoform	-1.000	0.000	0.0	0	-8.20#
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	10.000	10.550	-5.5	100	0.00
58 TMP n-Propylbenzene	-1.000	0.000	0.0	0	-8.77#
59 TMP Bromobenzene	-1.000	0.000	0.0	0	-8.65#
60 TMP 1,3,5-Trimethylbenzene	-1.000	0.000	0.0	0	-8.94#
61 TMP 1,1,2,2-Tetrachloroethane	-1.000	0.000	0.0	0	-8.65#
62 TMP 1,2,3-Trichloropropane	-1.000	0.000	0.0	0	-8.70#
63 TMP 2-Chlorotoluene	-1.000	0.000	0.0	0	-8.84#
64 TMP 4-Chlorotoluene	-1.000	0.000	0.0	0	-8.95#
65 TMP tert-Butylbenzene	-1.000	0.000	0.0	0	-9.25#
66 TMP 1,2,4-Trimethylbenzene	-1.000	0.000	0.0	0	-9.30#
67 TMP sec-Butylbenzene	-1.000	0.000	0.0	0	-9.46#
68 TMP p-Isopropyltoluene	-1.000	0.000	0.0	0	-9.61#
69 TMP 1,3-Dichlorobenzene	-1.000	0.000	0.0	0	-9.56#
70 TMP 1,4-Dichlorobenzene	-1.000	0.000	0.0	0	-9.64#
71 TMP 1,2-Dichlorobenzene	-1.000	0.000	0.0	0	-10.01#
72 TMP 1,2-Dibromo-3-chloropropane	-1.000	0.000	0.0	0	-10.78#
73 TMP 1,2,4-Trichlorobenzene	-1.000	0.000	0.0	0	-11.59#
74 TMP Hexachlorobutadiene	-1.000	0.000	0.0	0	-11.77#
75 TMP Naphthalene	-1.000	0.000	0.0	0	-11.84#
76 TMP 1,2,3-Trichlorobenzene	-1.000	0.000	0.0	0	-12.08#

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110508.D
 Acq On : 05 Nov 2022 12:20 pm
 Operator : VM
 Sample : 0.1 ppb 8260 ICAL 67-177H
 Misc : soil/water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:13 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I Fluorobenzene	1.000	1.000	0.0	100	-0.01
2 TMP Ethanol	0.000	0.000#	0.0	0#	0.01
3 S Dibromofluoromethane	0.321	0.326	-1.6	100	0.00
4 TMP Dichlorodifluoromethane	0.800	0.000#	100.0#	0#	-1.12#
5 TMP Chloromethane	0.488	0.000#	100.0#	0#	-1.26#
6 TMP Vinyl chloride	0.510	0.454	11.0	96	-0.01
7 TMP Bromomethane	0.432	0.000#	100.0#	0#	-1.58#
8 TMP Chloroethane	0.229	0.000#	100.0#	0#	-1.65#
9 TMP Trichlorofluoromethane	1.123	0.000#	100.0#	0#	-1.83#
10 TMP 2-Propanol	0.000	0.000	0.0	0#	-2.33#
11 TMP Acetone	0.029	0.000#	100.0#	0#	-2.33#
12 TMP 1,1-Dichloroethene	0.285	0.285	0.0	100	-0.01
13 TMP Hexane	0.323	0.000#	100.0#	0#	-3.16#
14 TMP Methylene chloride	0.289	0.000#	100.0#	0#	-2.68#
15 TMP t-Butyl alcohol (TBA)	0.024	0.000#	100.0#	0#	-2.82#
16 TMP Methyl t-butyl ether (MTBE)	0.666	0.677	-1.7	98	0.00
17 TMP trans-1,2-Dichloroethene	0.318	0.325	-2.2	100	-0.01
18 TMP Diisopropyl ether (DIPE)	0.698	0.000#	100.0#	0#	-3.35#
19 TMP 1,1-Dichloroethane	0.463	0.476	-2.8	100	0.00
20 TMP Ethyl t-butyl ether (ETBE)	0.258	0.000#	100.0#	0#	-3.66#
21 TMP 2,2-Dichloropropane	0.258	0.000#	100.0#	0#	-3.77#
22 TMP cis-1,2-Dichloroethene	0.333	0.343	-3.0	100	0.00
23 TMP Chloroform	0.539	0.000#	100.0#	0#	-4.04#
24 TMP 2-Butanone (MEK)	0.132	0.000#	100.0#	0#	-3.79#
25 TMP t-Amyl methyl ether (TAME)	0.540	0.000#	100.0#	0#	-4.61#
26 TMP 1,2-Dichloroethane (EDC)	0.465	0.549	-18.1	108	-0.01
27 TMP 1,1,1-Trichloroethane	0.482	0.471	2.3	100	0.00
28 TMP 1,1-Dichloropropene	0.370	0.000#	100.0#	0#	-4.33#
29 TMP Carbon tetrachloride	0.485	0.000#	100.0#	0#	-4.33#
30 S 1,2-Dichloroethane-d4	0.062	0.065	-4.8	100	0.00
31 TMP Benzene	1.118	1.168	-4.5	100	0.00
32 TMP Trichloroethene	0.367	0.375	-2.2	96	0.00
33 TMP 1,2-Dichloropropane	0.241	0.000#	100.0#	0#	-5.24#
34 TMP Bromodichloromethane	0.387	0.000#	100.0#	0#	-5.48#
35 S Toluene-d8	0.954	0.954	0.0	100	0.00
36 TMP Dibromomethane	0.219	0.000#	100.0#	0#	-5.35#
37 TMP 4-Methyl-2-pentanone	0.042	0.000#	100.0#	0#	-6.03#
38 TMP cis-1,3-Dichloropropene	0.360	0.000#	100.0#	0#	-5.88#
39 I Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40 TMP Toluene	0.907	0.952	-5.0	100	0.00
41 TMP trans-1,3-Dichloropropene	0.366	0.000#	100.0#	0#	-6.36#
42 TMP 1,1,2-Trichloroethane	0.285	0.280	1.8	100	0.00
43 TMP 2-Hexanone	0.190	0.000#	100.0#	0#	-6.76#

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110508.D
 Acq On : 05 Nov 2022 12:20 pm
 Operator : VM
 Sample : 0.1 ppb 8260 ICAL 67-177H
 Misc : soil/water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:13 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.457	0.000#	100.0#	0#	-6.68#
45 TMP Tetrachloroethene	0.460	0.477	-3.7	100	0.00
46 TMP Dibromochloromethane	0.451	0.000#	100.0#	0#	-6.88#
47 TMP 1,2-Dibromoethane (EDB)	0.360	0.344	4.4	100	0.00
48 TMP Chlorobenzene	0.993	0.000#	100.0#	0#	-7.43#
49 TMP Ethylbenzene	1.557	1.567	-0.6	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.387	0.000#	100.0#	0#	-7.51#
51 TMP m,p-Xylene	0.612	0.599	2.1	100	0.00
52 TMP o-Xylene	0.591	0.597	-1.0	100	0.00
53 TMP Styrene	0.887	0.000#	100.0#	0#	-8.03#
54 TMP Isopropylbenzene	1.435	0.000#	100.0#	0#	-8.37#
55 TMP Bromoform	0.299	0.000#	100.0#	0#	-8.20#
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	0.689	0.727	-5.5	100	0.00
58 TMP n-Propylbenzene	2.700	0.000#	100.0#	0#	-8.77#
59 TMP Bromobenzene	0.837	0.000#	100.0#	0#	-8.65#
60 TMP 1,3,5-Trimethylbenzene	1.968	0.000#	100.0#	0#	-8.94#
61 TMP 1,1,2,2-Tetrachloroethane	0.626	0.000#	100.0#	0#	-8.65#
62 TMP 1,2,3-Trichloropropane	0.486	0.000#	100.0#	0#	-8.70#
63 TMP 2-Chlorotoluene	1.617	0.000#	100.0#	0#	-8.84#
64 TMP 4-Chlorotoluene	1.912	0.000#	100.0#	0#	-8.95#
65 TMP tert-Butylbenzene	1.952	0.000#	100.0#	0#	-9.25#
66 TMP 1,2,4-Trimethylbenzene	1.996	0.000#	100.0#	0#	-9.30#
67 TMP sec-Butylbenzene	2.624	0.000#	100.0#	0#	-9.46#
68 TMP p-Isopropyltoluene	2.387	0.000#	100.0#	0#	-9.61#
69 TMP 1,3-Dichlorobenzene	1.530	0.000#	100.0#	0#	-9.56#
70 TMP 1,4-Dichlorobenzene	1.564	0.000#	100.0#	0#	-9.64#
71 TMP 1,2-Dichlorobenzene	1.455	0.000#	100.0#	0#	-10.01#
72 TMP 1,2-Dibromo-3-chloropropane	0.108	0.000#	100.0#	0#	-10.78#
73 TMP 1,2,4-Trichlorobenzene	0.971	0.000#	100.0#	0#	-11.59#
74 TMP Hexachlorobutadiene	0.600	0.000#	100.0#	0#	-11.77#
75 TMP Naphthalene	1.833	0.000#	100.0#	0#	-11.84#
76 TMP 1,2,3-Trichlorobenzene	0.846	0.000#	100.0#	0#	-12.08#

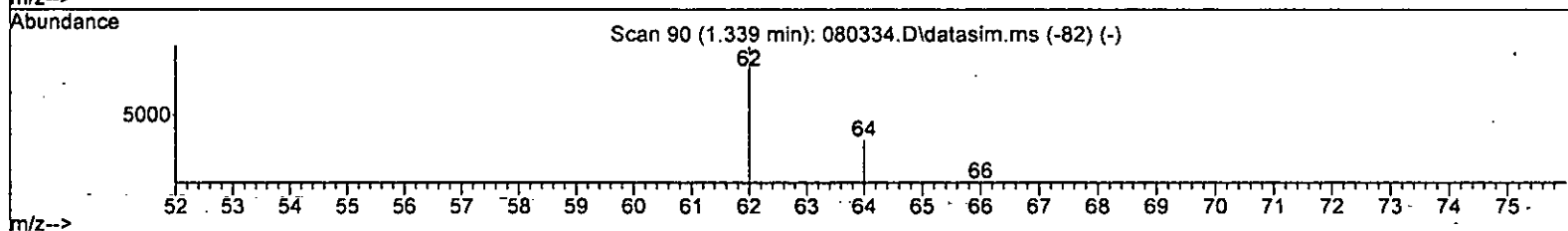
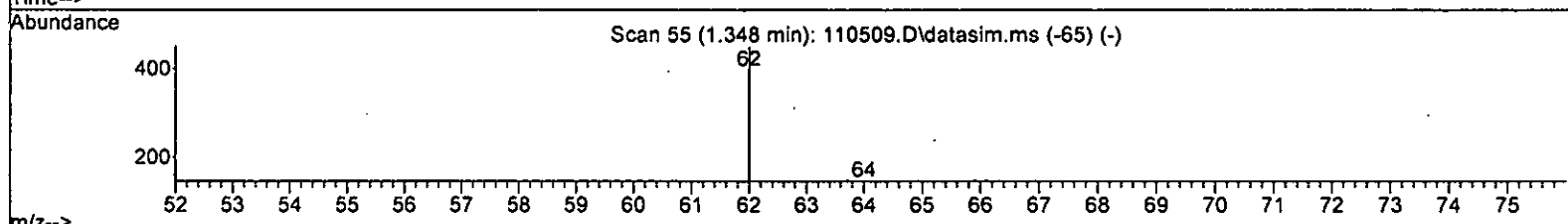
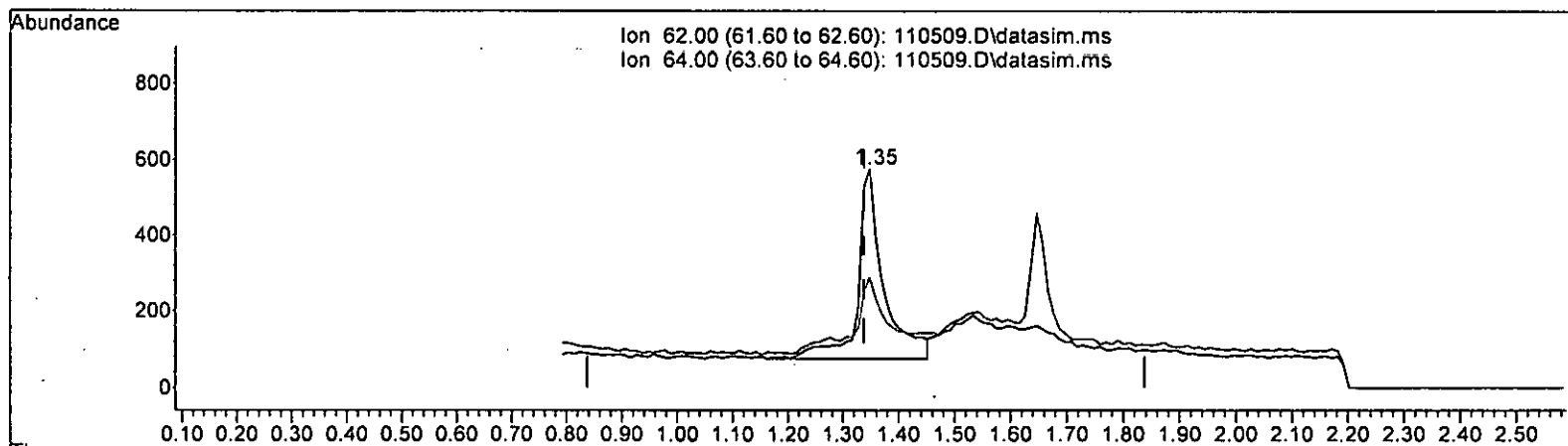
(#) = Out of Range

SPCC's out = 51 CCC's out = 0

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110509.D
 Acq On : 05 Nov 2022 12:44 pm
 Operator : VM
 Sample : 0.2 ppb 8260 ICAL 67-177I
 Misc : soil/water
 ALS Vial : 5 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:15 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110509.D\data.ms

(6) Vinyl chloride (TMP)

1.348min (+ 0.010) 0.291 ppb

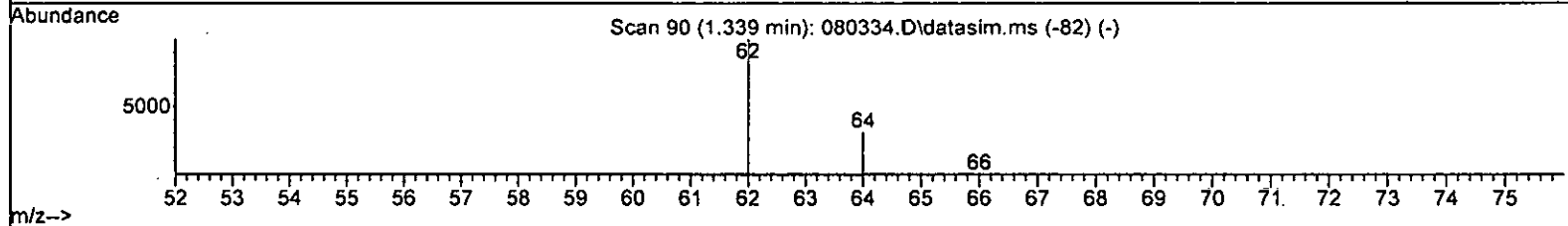
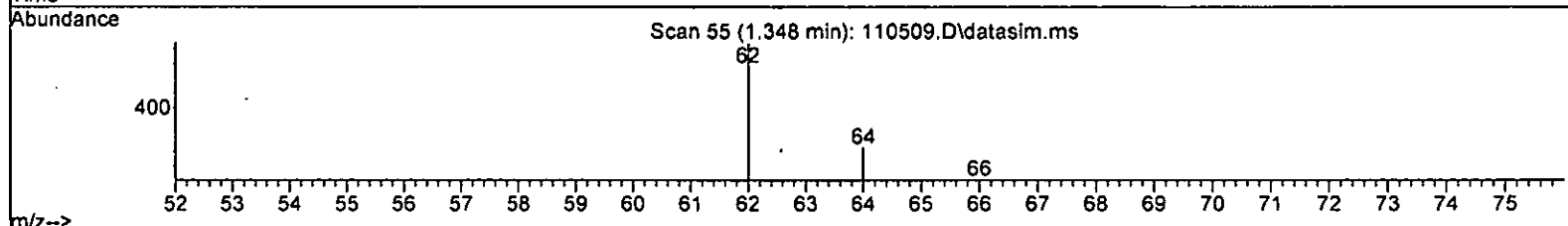
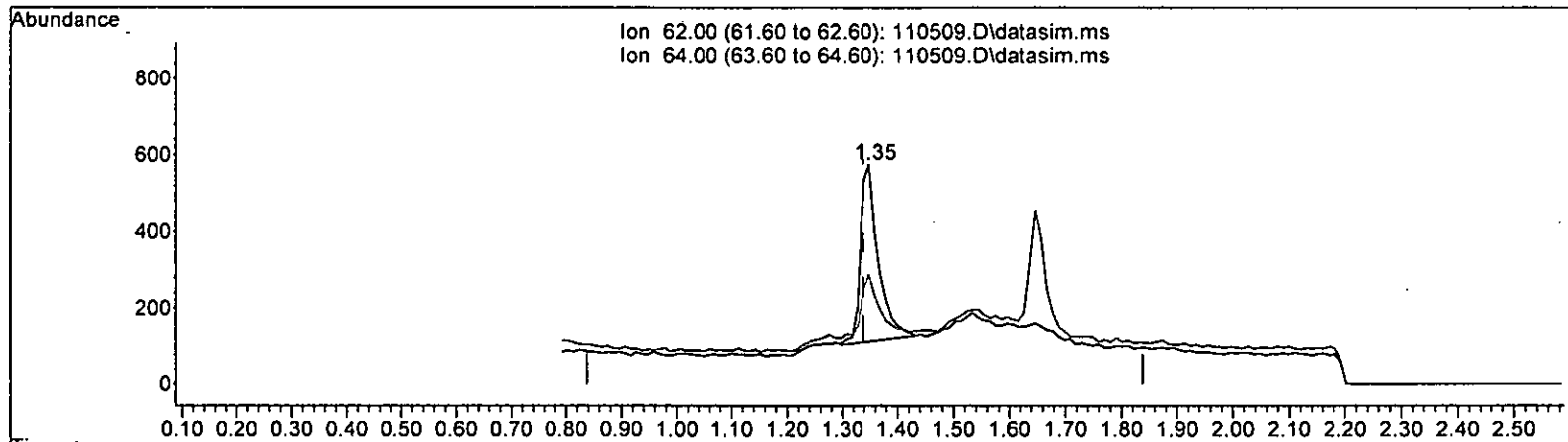
response 1606

Ion	Exp%	Act%
62.00	100.00	100.00
64.00	34.40	39.12
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110509.D
 Acq On : 05 Nov 2022 12:44 pm
 Operator : VM
 Sample : 0.2 ppb 8260 ICAL 67-177I
 Misc : soil/water
 ALS Vial : 5 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:15 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110509.D\data.ms

(6) Vinyl chloride (TMP)

1.348min (+ 0.010) 0.187 ppb m

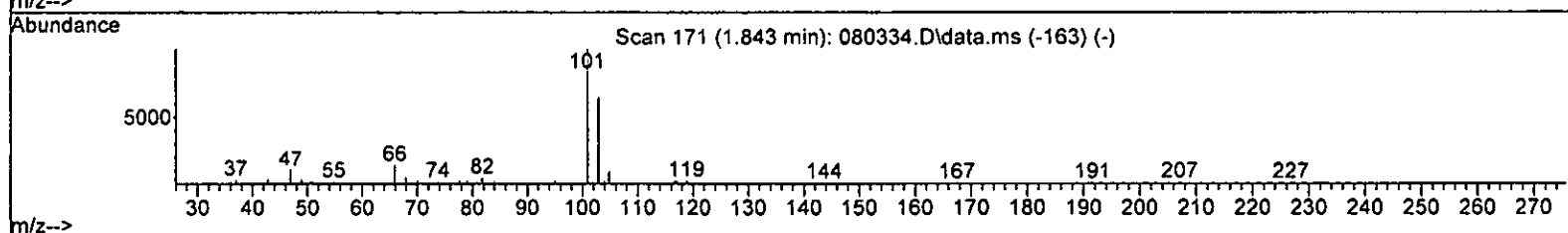
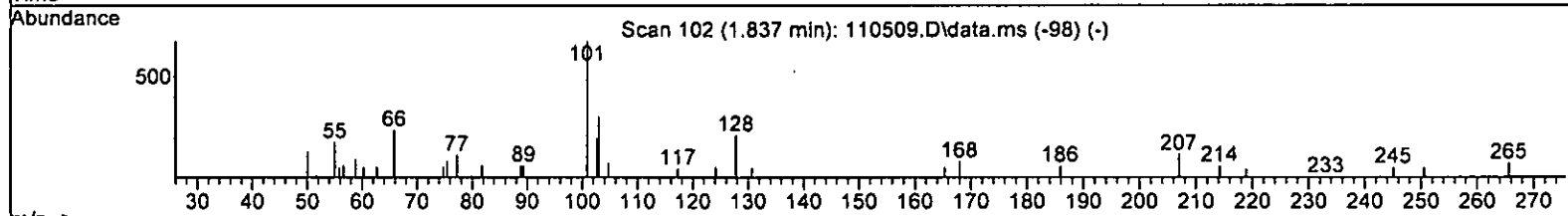
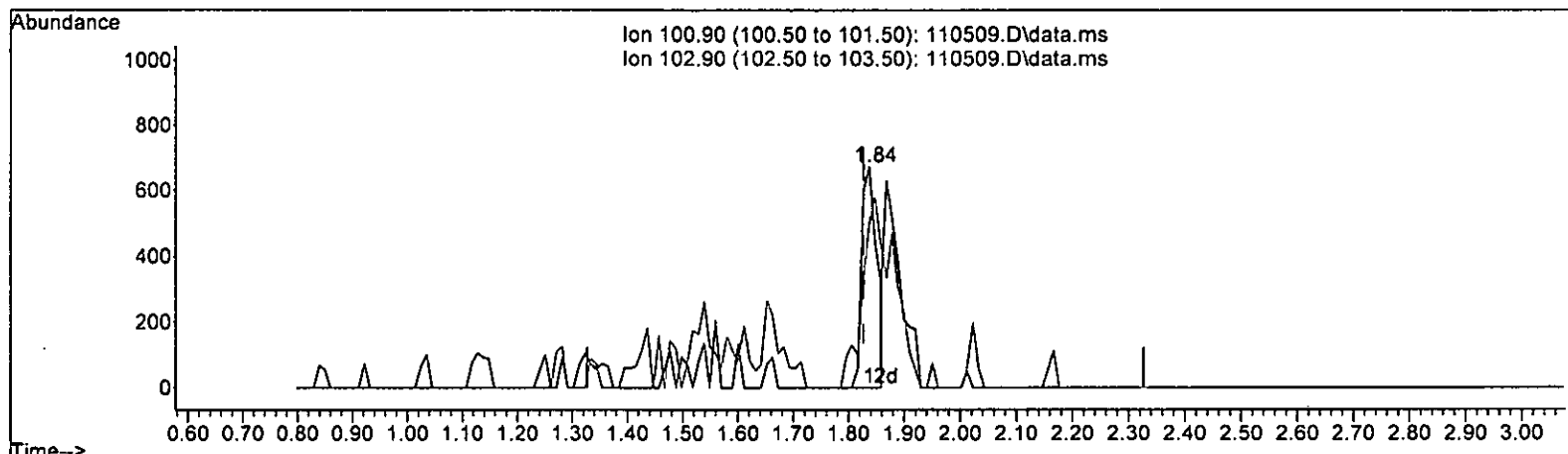
response 1032

Ion	Exp%	Act%
62.00	100.00	100.00
64.00	34.40	50.17
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110509.D
 Acq On : 05 Nov 2022 12:44 pm
 Operator : VM
 Sample : 0.2 ppb 8260 ICAL 67-177I
 Misc : soil/water
 ALS Vial : 5 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:15 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110509.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.837min (+ 0.010) 0.106 ppb

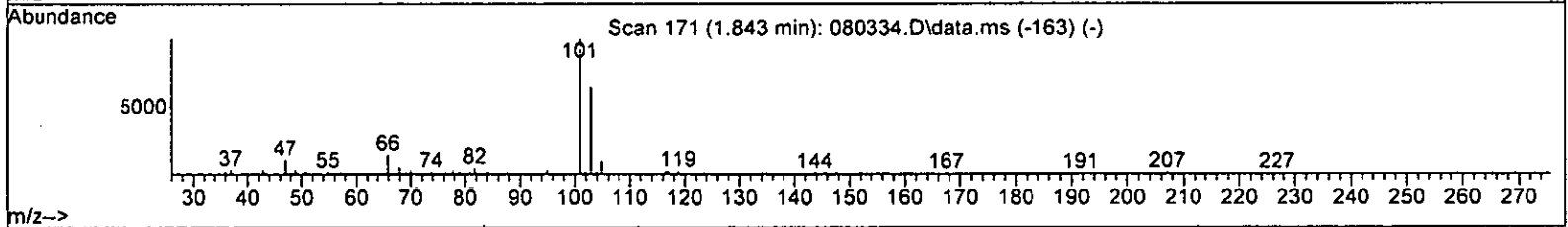
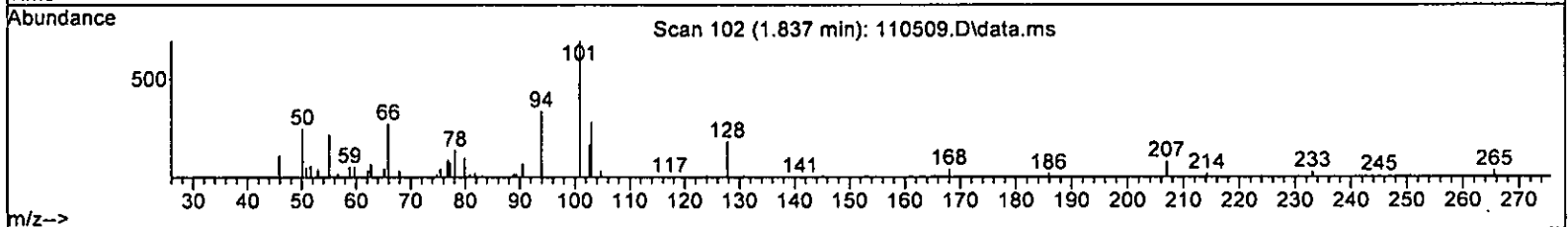
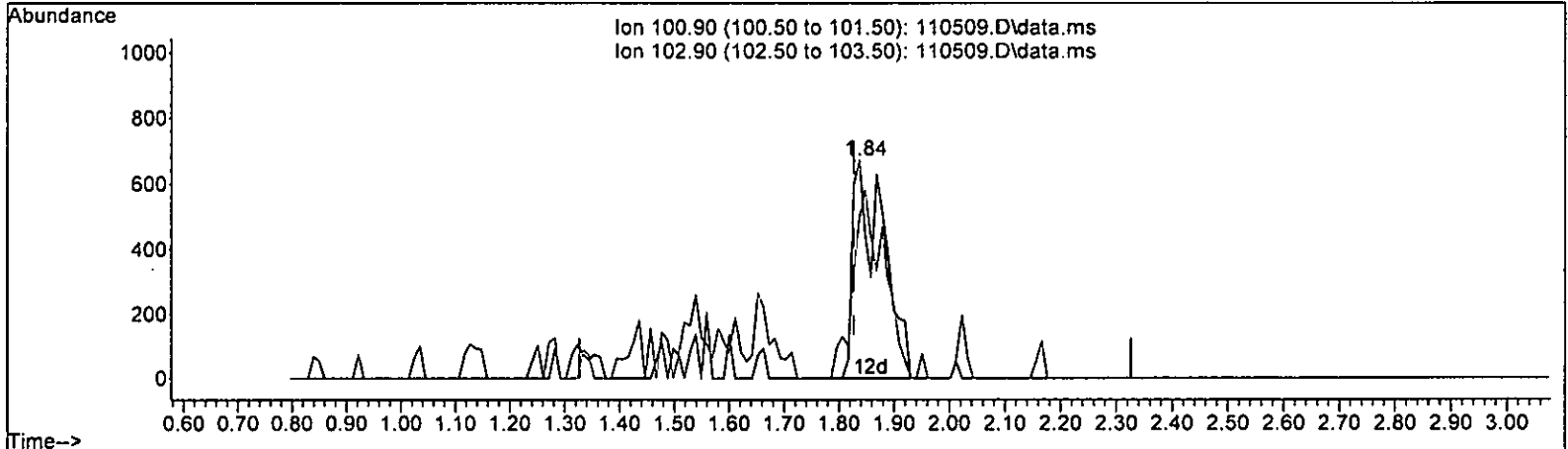
response 1292

Ion	Exp%	Act%
100.90	100.00	100.00
102.90	65.30	60.12
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110509.D
 Acq On : 05 Nov 2022 12:44 pm
 Operator : VM
 Sample : 0.2 ppb 8260 ICAL 67-177I
 Misc : soil/water
 ALS Vial : 5 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:15 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110509.D\data.ms

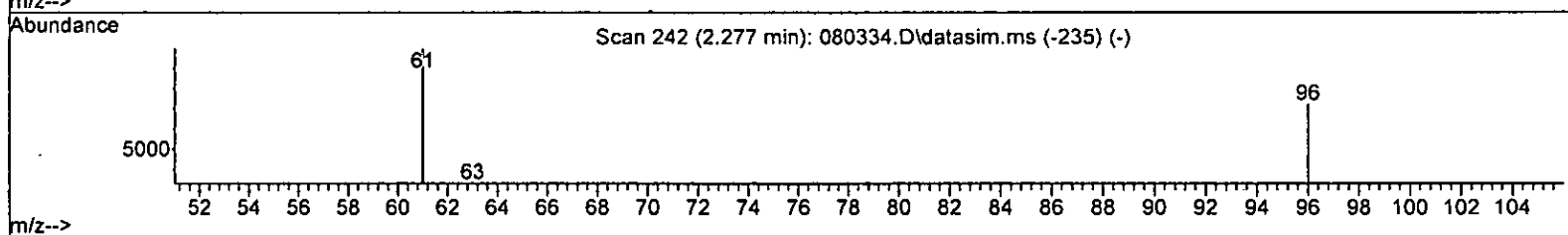
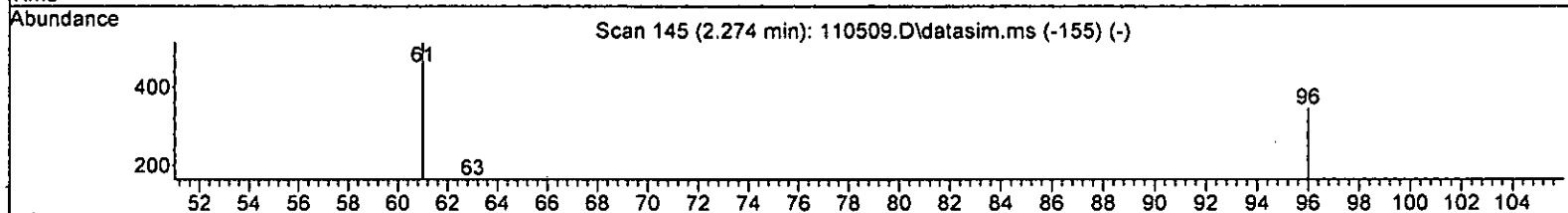
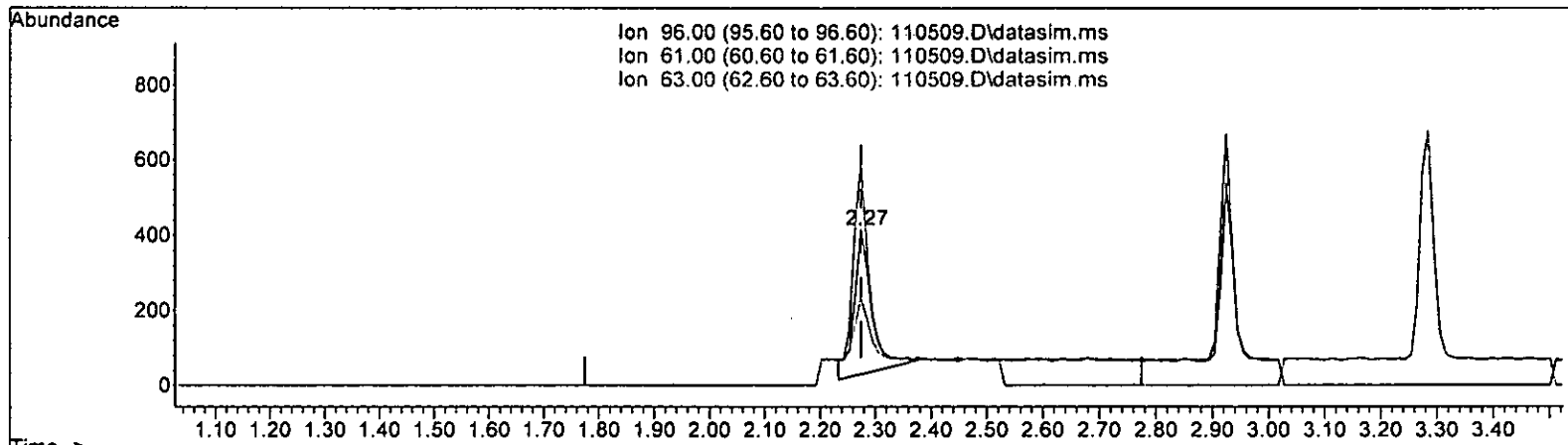
(9) Trichlorofluoromethane (TMP) ,
 1.837min (+ 0.010) 0.213 ppb m
 response 2591

Ion	Exp%	Act%
100.90	100.00	100.00
102.90	65.30	44.94
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110509.D
 Acq On : 05 Nov 2022 12:44 pm
 Operator : VM
 Sample : 0.2 ppb 8260 ICAL 67-177I
 Misc : soil/water
 ALS Vial : 5 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:15 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110509.D\data.ms

(12) 1,1-Dichloroethene (TMP)

2.274min (-0.001) 0.272 ppb

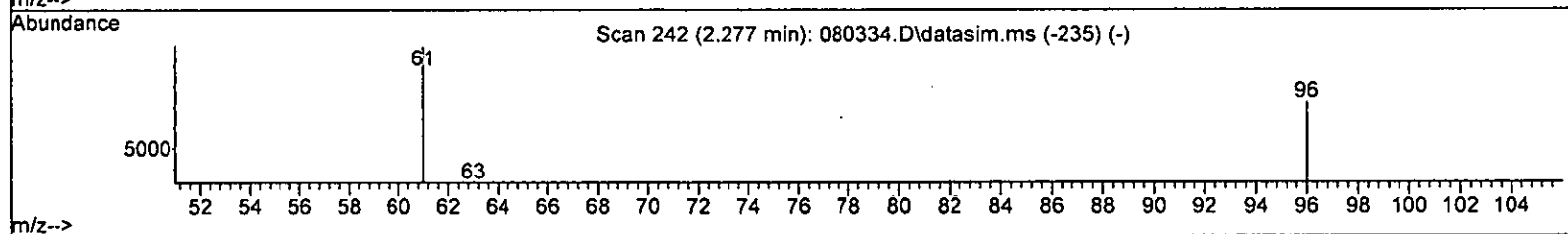
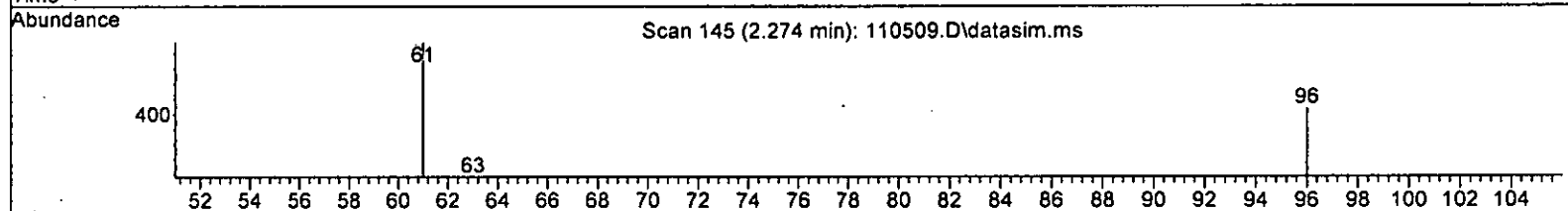
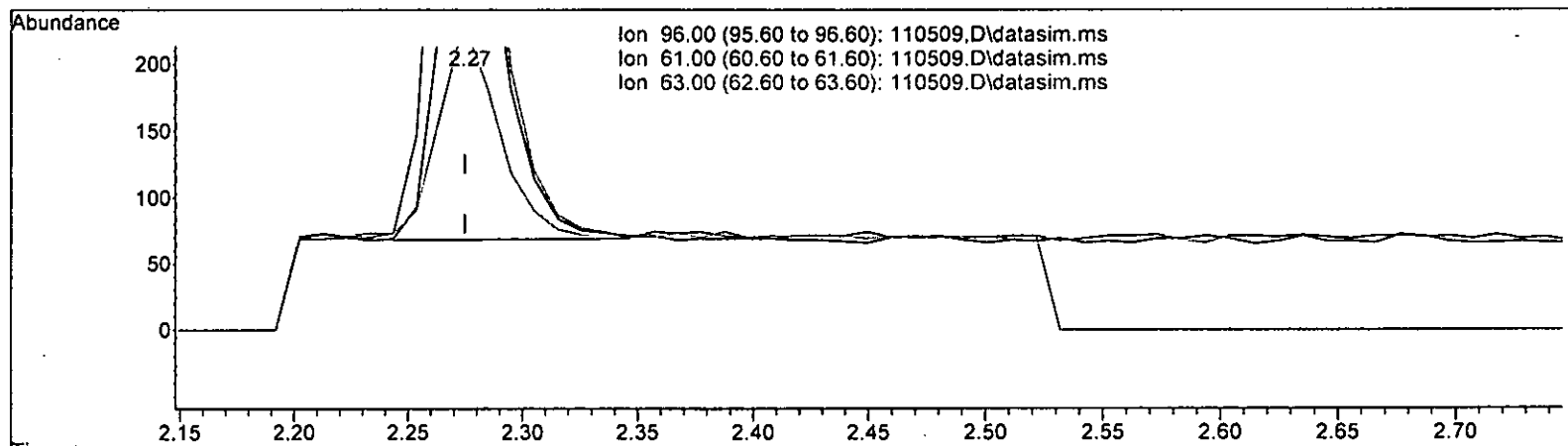
response 840

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	120.90	149.71
63.00	43.90	47.40
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110509.D
 Acq On : 05 Nov 2022 12:44 pm
 Operator : VM
 Sample : 0.2 ppb 8260 ICAL 67-177I
 Misc : soil/water
 ALS Vial : 5 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:15 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110509.D\data.ms

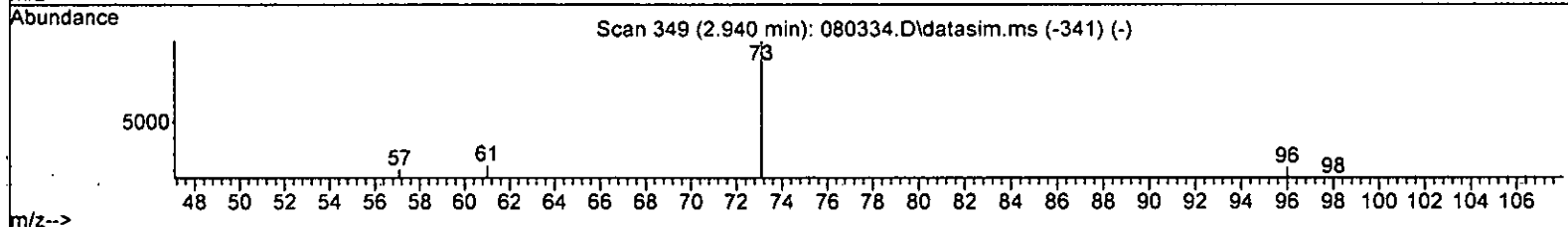
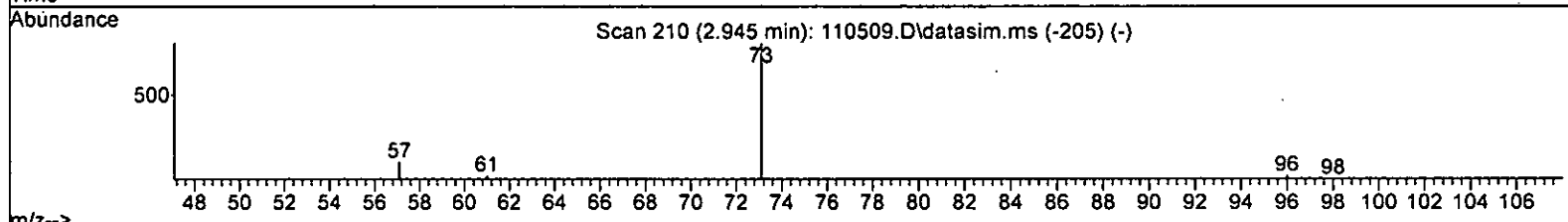
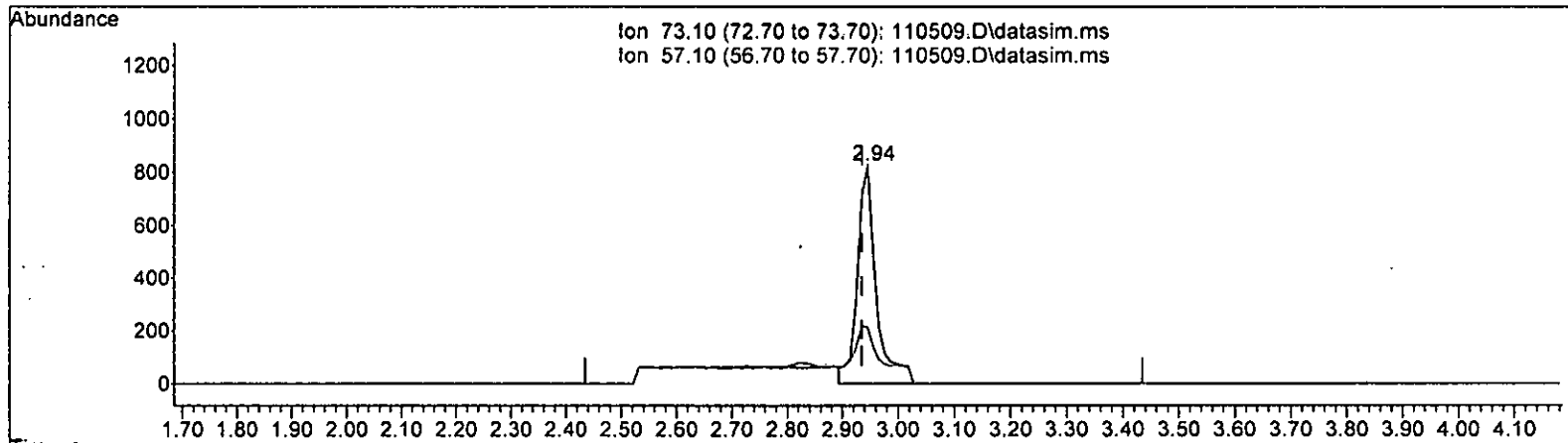
(12) 1,1-Dichloroethene (TMP)
 2.274min (-0.001) 0.196 ppb m

response	605	
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	120.90	142.03
63.00	43.90	56.52
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110509.D
 Acq On : 05 Nov 2022 12:44 pm
 Operator : VM
 Sample : 0.2 ppb 8260 ICAL 67-177I
 Misc : soil/water
 ALS Vial : 5 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:15 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110509.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

2.945min (+ 0.010) 0.264 ppb

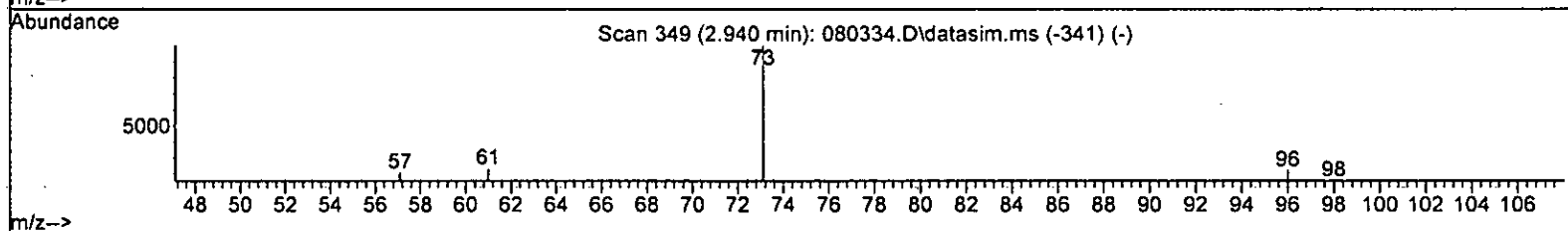
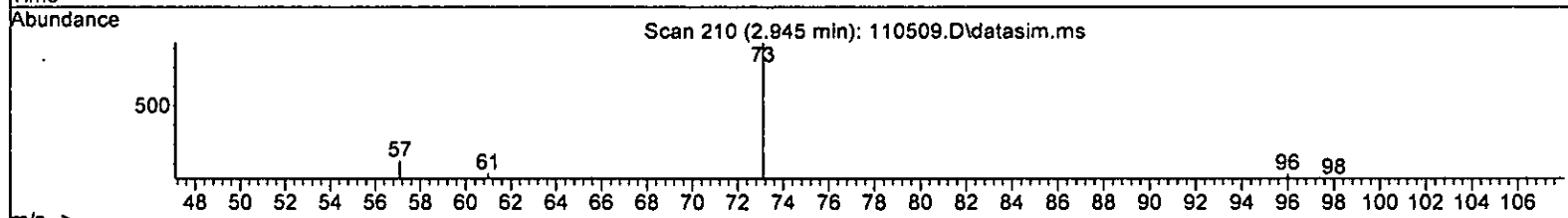
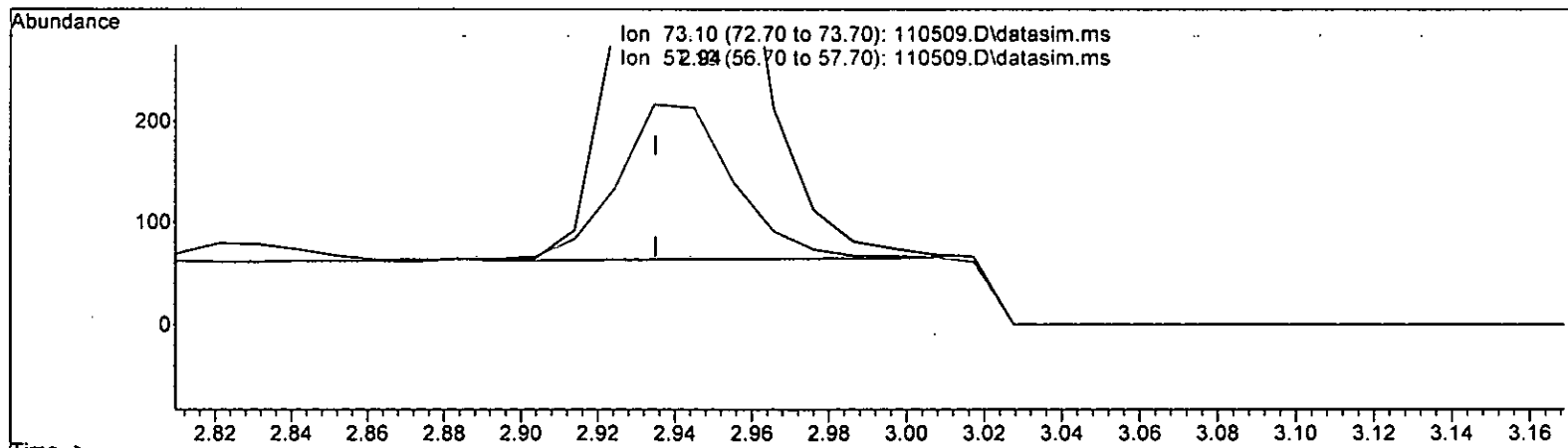
response 1907

Ion	Exp%	Act%
73.10	100.00	100.00
57.10	19.40	25.72
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110509.D
 Acq On : 05 Nov 2022 12:44 pm
 Operator : VM
 Sample : 0.2 ppb 8260 ICAL 67-177I
 Misc : soil/water
 ALS Vial : 5 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:15 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110509.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

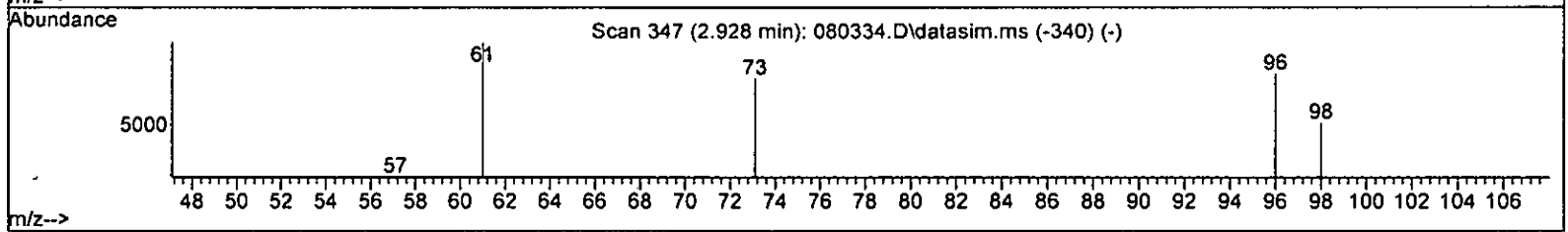
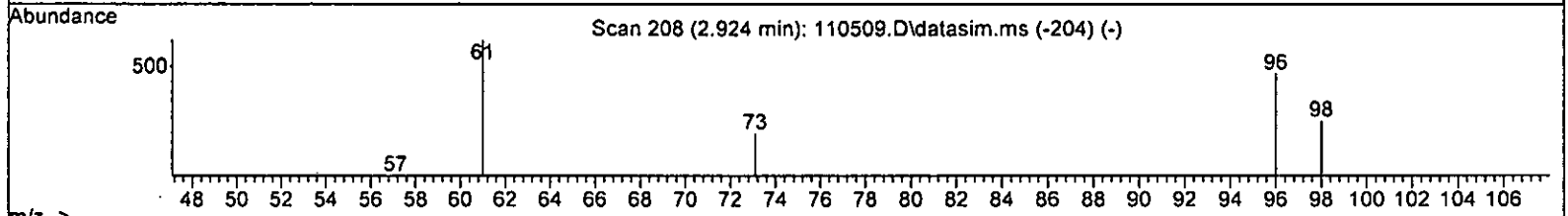
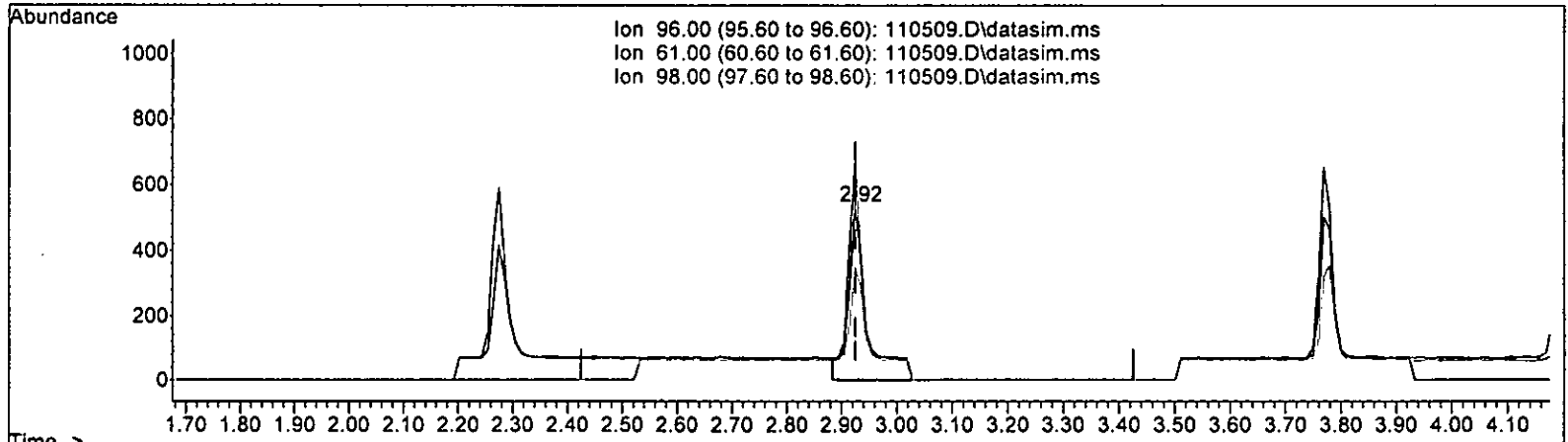
2.945min (+ 0.010) 0.199 ppb m

response	1434
Ion	Exp% Act%
73.10	100.00 100.00
57.10	19.40 25.72
0.00	0.00 0.00
0.00	0.00 0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110509.D
 Acq On : 05 Nov 2022 12:44 pm
 Operator : VM
 Sample : 0.2 ppb 8260 ICAL 67-177I
 Misc : soil/water
 ALS Vial : 5 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:15 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110509.D\data.ms

(17) trans-1,2-Dichloroethene (TMP)

2.924min (-0.001) 0.354 ppb

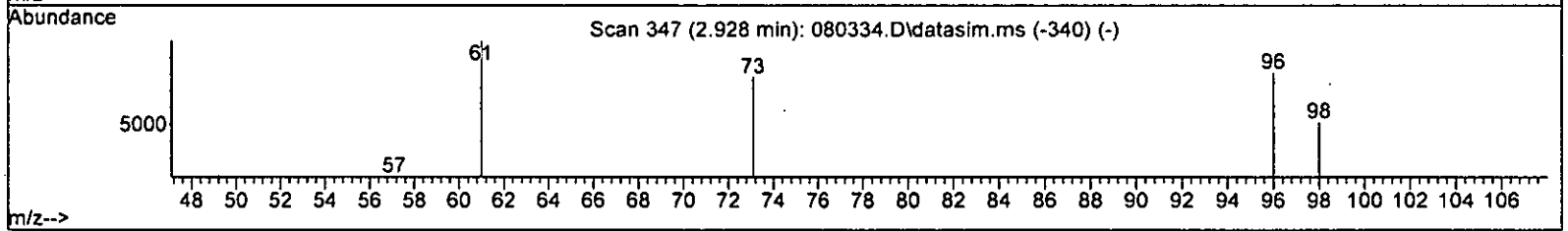
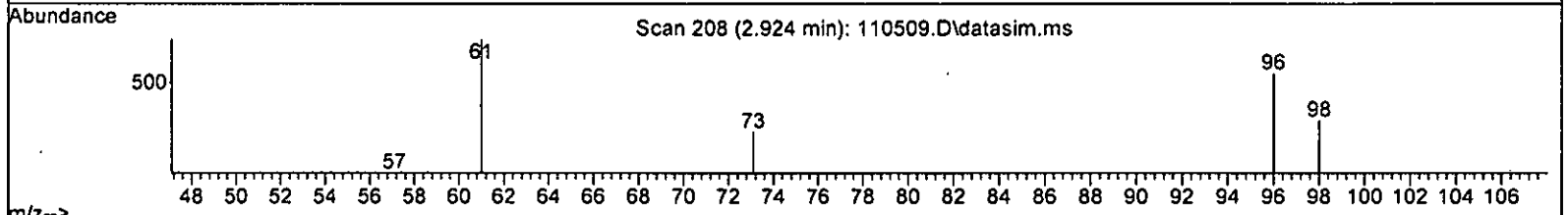
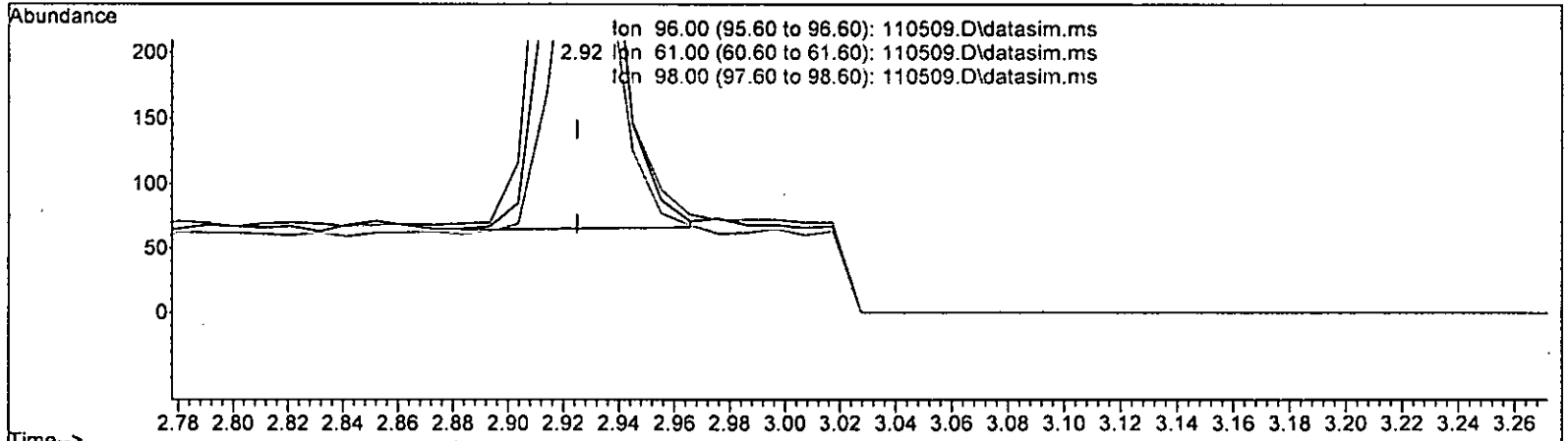
response 1220

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	108.70	125.42
98.00	67.30	64.67
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110509.D
 Acq On : 05 Nov 2022 12:44 pm
 Operator : VM
 Sample : 0.2 ppb 8260 ICAL 67-177I
 Misc : soil/water
 ALS Vial : 5 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:15 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110509.D\data.ms

(17) trans-1,2-Dichloroethene (TMP)

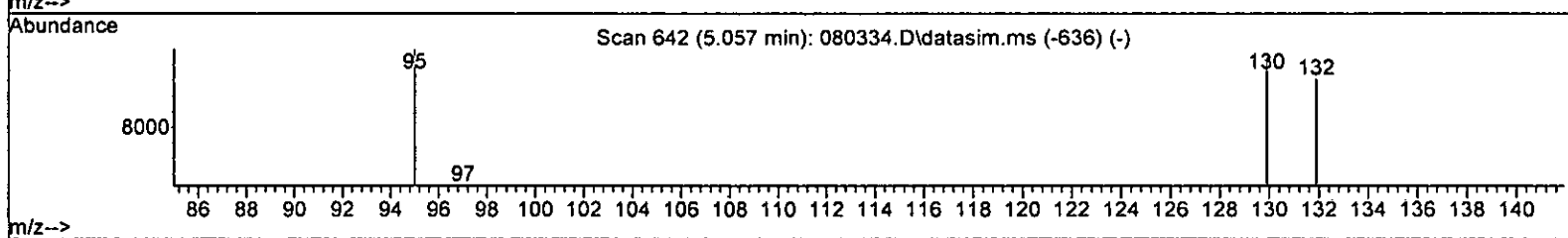
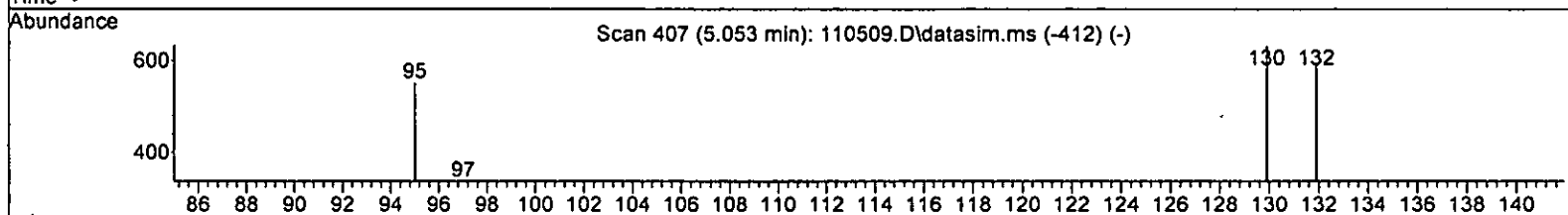
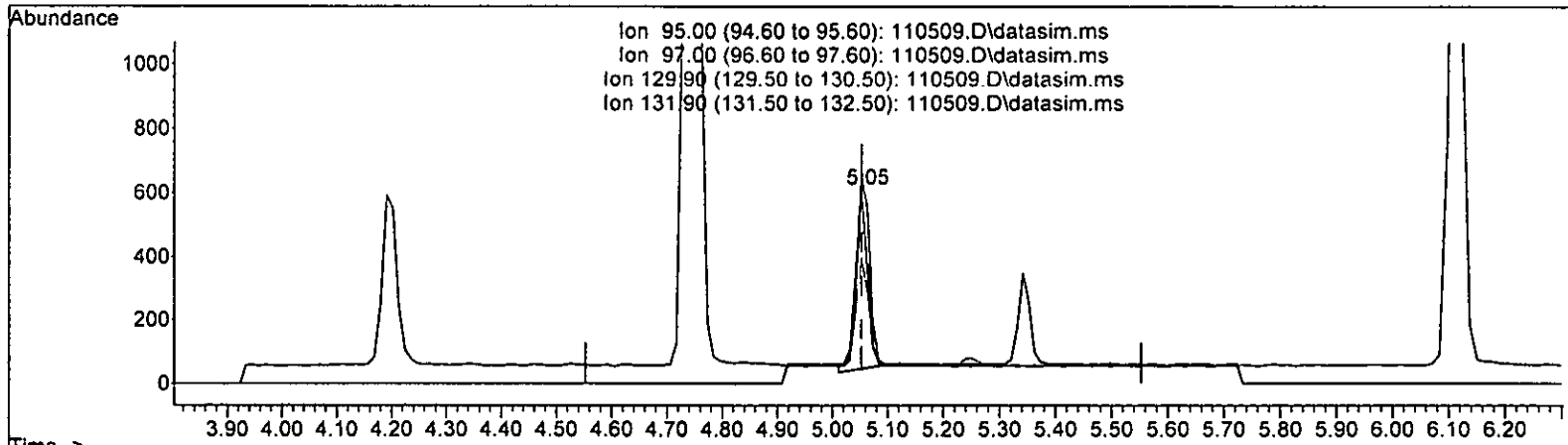
2.924min (-0.001) 0.199 ppb m

response	686
Ion	Exp% Act%
96.00	100.00 100.00
61.00	108.70 125.42
98.00	67.30 64.67
0.00	0.00 0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110509.D
 Acq On : 05 Nov 2022 12:44 pm
 Operator : VM
 Sample : 0.2 ppb 8260 ICAL 67-177I
 Misc : soil/water
 ALS Vial : 5 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:15 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110509.D\data.ms

(32) Trichloroethene (TPE)

5.053min (-0.000) 0.214 ppb

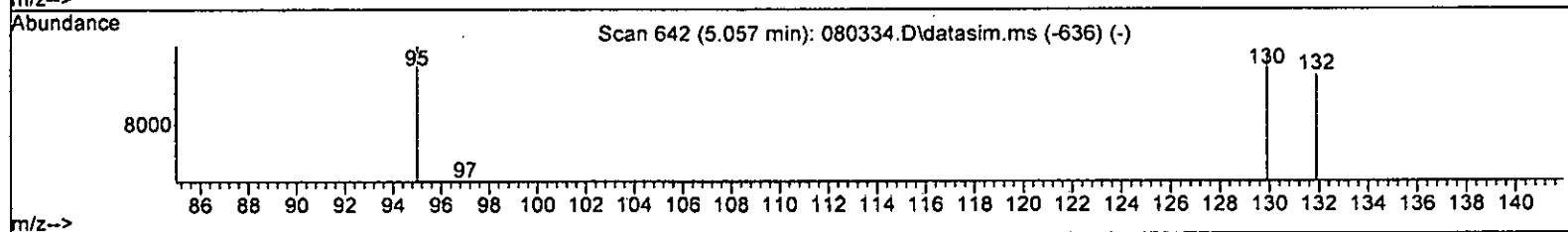
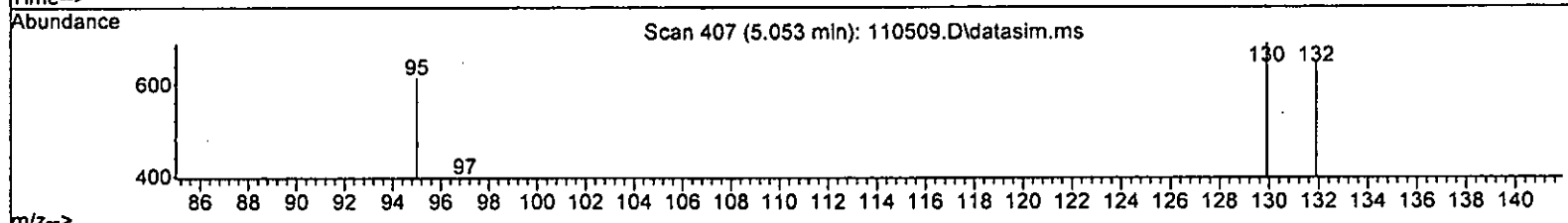
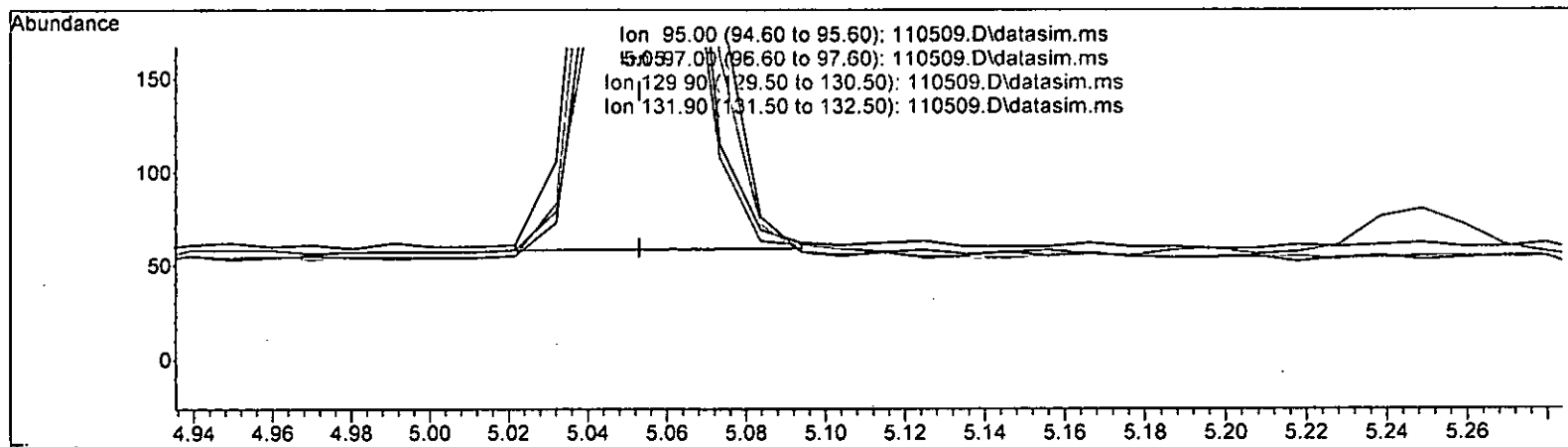
response 849

Ion	Exp%	Act%
95.00	100.00	100.00
97.00	64.60	61.41
129.90	103.40	114.86
131.90	95.80	107.25

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110509.D
 Acq On : 05 Nov 2022 12:44 pm
 Operator : VM
 Sample : 0.2 ppb 8260 ICAL 67-177I
 Misc : soil/water
 ALS Vial : 5 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:15 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110509.D\data.ms

(32) Trichloroethene (TME)

5.053min (-0.000) 0.197 ppb m

response 782

Ion	Exp%	Act%
95.00	100.00	100.00
97.00	64.60	64.71
129.90	103.40	112.42
131.90	95.80	105.56

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110509.D
 Acq On : 05 Nov 2022 12:44 pm
 Operator : VM
 Sample : 0.2 ppb 8260 ICAL 67-177I
 Misc : soil/water
 ALS Vial : 5 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:15 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	4.75	96	108326	10.000	ppb	0.00	
39) Chlorobenzene-d5	7.40	117	89660	10.000	ppb	0.00	
56) 1,4-Dichlorobenzene-d4	9.62	152	50001	10.000	ppb	0.00	
System Monitoring Compounds							
3) Dibromofluoromethane	4.18	113	35002	10.076	ppb	0.00	
Spiked Amount	10.000	Range	50 - 150	Recovery	=	100.80%	
30) 1,2-Dichloroethane-d4	4.45	102	7026	10.436	ppb	0.00	
Spiked Amount	10.000	Range	84 - 120	Recovery	=	104.40%	
35) Toluene-d8	6.11	98	100698	9.747	ppb	0.00	
Spiked Amount	10.000	Range	73 - 128	Recovery	=	97.50%	
57) 4-Bromofluorobenzene	8.51	95	36151	10.493	ppb	0.00	
Spiked Amount	10.000	Range	57 - 146	Recovery	=	104.90%	
Target Compounds							
							Qvalue
2) Ethanol	2.33	45	224	No Calib			
4) Dichlorodifluoromethane	0.00		0	N.D.	d		
5) Chloromethane	0.00		0	N.D.	d		
6] Vinyl chloride	1.35	62	1032m	0.187	ppb		
7) Bromomethane	0.00		0	N.D.			
8) Chloroethane	0.00		0	N.D.	d		
9) Trichlorofluoromethane	1.84	101	2591m	0.213	ppb		
10) 2-Propanol	0.00		0	N.D.	d		
11) Acetone	0.00		0	N.D.	d		
12] 1,1-Dichloroethene	2.27	96	605m	0.196	ppb		
13) Hexane	0.00		0	N.D.	d		
14) Methylene chloride	0.00		0	N.D.	d		
15) t-Butyl alcohol (TBA)	0.00		0	N.D.	d		
16] Methyl t-butyl ether (...)	2.94	73	1434m	0.199	ppb		
17] trans-1,2-Dichloroethene	2.92	96	686m	0.199	ppb		
18) Diisopropyl ether (DIPE)	3.35	45	1833	0.243	ppb		93
19] 1,1-Dichloroethane	3.28	63	1021	0.203	ppb		95
20] Ethyl t-butyl ether (E...)	3.66	87	539	0.193	ppb	#	39
21) 2,2-Dichloropropane	3.77	77	717	0.240	ppb		48
22] cis-1,2-Dichloroethene	3.77	96	732	0.203	ppb		92
23) Chloroform	4.05	83	1270	0.218	ppb		78
24) 2-Butanone (MEK)	3.81	43	2219	1.386	ppb		94
25) t-Amyl methyl ether (T...)	4.61	73	1189	0.203	ppb		84
26] 1,2-Dichloroethane (EDC)	4.53	62	1041	0.198	ppb		97
27] 1,1,1-Trichloroethane	4.19	97	1020	0.195	ppb		89
28) 1,1-Dichloropropene	4.33	75	859	0.199	ppb		79
29) Carbon tetrachloride	4.33	117	1127	0.214	ppb		86
31] Benzene	4.50	78	2506	0.207	ppb		96
32] Trichloroethene	5.05	95	782m	0.197	ppb		
33) 1,2-Dichloropropane	5.24	63	676	0.259	ppb	#	88
34) Bromodichloromethane	5.48	83	755	0.180	ppb		89
36) Dibromomethane	5.35	93	583	0.245	ppb		94

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110509.D
 Acq On : 05 Nov 2022 12:44 pm
 Operator : VM
 Sample : 0.2 ppb 8260 ICAL 67-177I
 Misc : soil/water
 ALS Vial : 5 Sample Multiplier: 1
 InstName : GCMS13

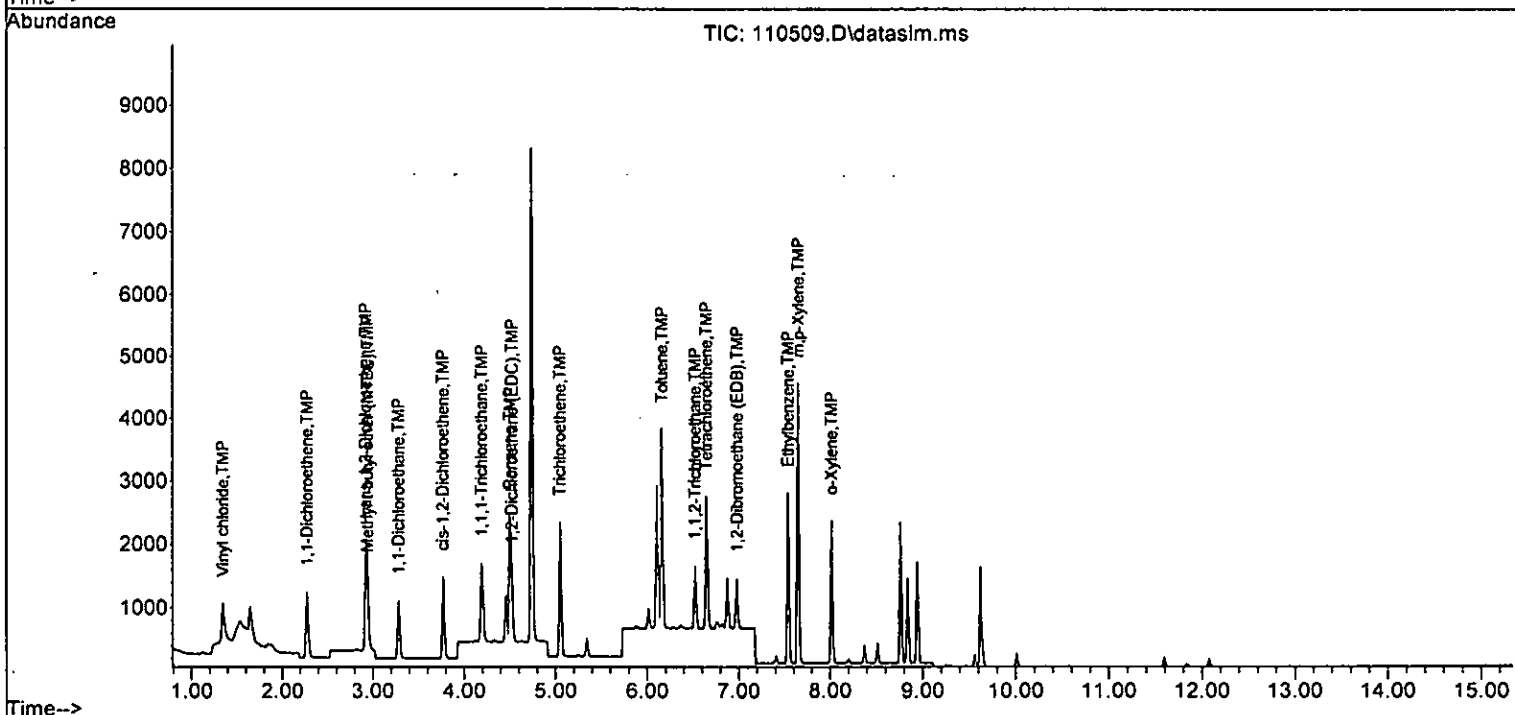
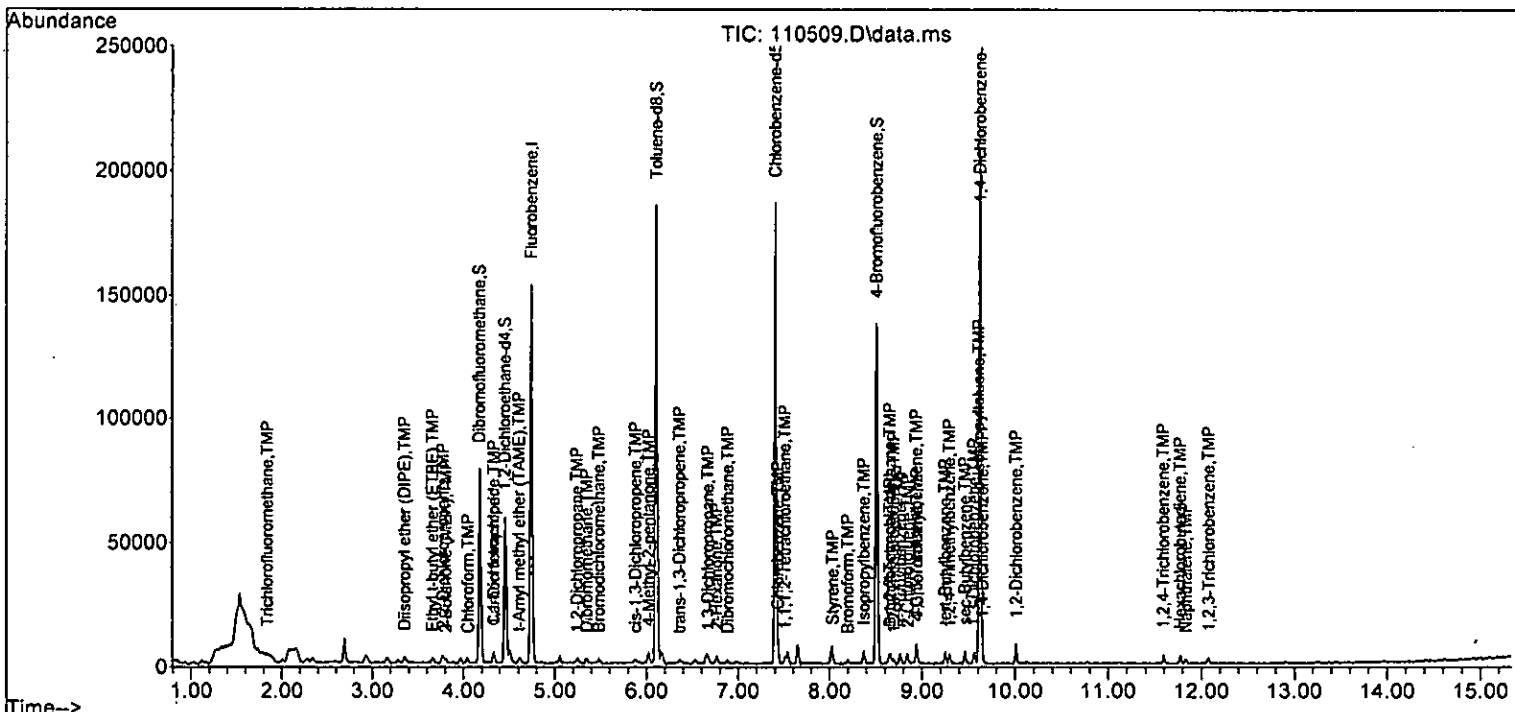
Quant Time: Nov 07 15:17:15 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	6.02	85	420	0.914	ppb #	1
38) cis-1,3-Dichloropropene	5.88	75	820	0.210	ppb	73
40] Toluene	6.16	92	1643	0.212	ppb	99
41) trans-1,3-Dichloropropene	6.36	75	859	0.279	ppb	94
42] 1,1,2-Trichloroethane	6.53	83	511	0.206	ppb	95
43) 2-Hexanone	6.76	43	1849	1.088	ppb	96
44) 1,3-Dichloropropane	6.67	76	1020	0.249	ppb	94
45] Tetrachloroethene	6.65	164	788	0.203	ppb	97
46) Dibromochloromethane	6.89	129	1070	0.251	ppb	73
47] 1,2-Dibromoethane (EDB)	6.98	107	613	0.190	ppb	97
48) Chlorobenzene	7.43	112	1897	0.213	ppb	95
49] Ethylbenzene	7.54	91	2762	0.198	ppb	96
50) 1,1,1,2-Tetrachloroethane	7.51	131	690	0.199	ppb	97
51] m,p-Xylene	7.65	106	2123	0.387	ppb	91
52] o-Xylene	8.02	106	1027	0.194	ppb	92
53) Styrene	8.03	104	1723	0.217	ppb	93
54) Isopropylbenzene	8.37	105	2623	0.204	ppb	90
55) Bromoform	8.20	173	538	0.201	ppb	74
58) n-Propylbenzene	8.77	91	2749	0.204	ppb	94
59) Bromobenzene	8.65	156	982	0.235	ppb #	74
60) 1,3,5-Trimethylbenzene	8.94	105	2027	0.206	ppb	100
61) 1,1,2,2-Tetrachloroethane	8.65	83	827	0.185	ppb	87
62) 1,2,3-Trichloropropane	8.70	75	573	0.236	ppb	70
63) 2-Chlorotoluene	8.84	91	1744	0.216	ppb	74
64) 4-Chlorotoluene	8.95	91	2246	0.235	ppb	88
65) tert-Butylbenzene	9.25	119	2127	0.218	ppb	97
66) 1,2,4-Trimethylbenzene	9.30	105	2025	0.203	ppb	85
67) sec-Butylbenzene	9.46	105	2706	0.206	ppb	93
68) p-Isopropyltoluene	9.61	119	2232	0.187	ppb	94
69) 1,3-Dichlorobenzene	9.56	146	1761	0.230	ppb	86
70) 1,4-Dichlorobenzene	9.65	146	1879	0.240	ppb	74
71) 1,2-Dichlorobenzene	10.01	146	1614	0.222	ppb	93
72) 1,2-Dibromo-3-chloropr...	0.00		0	N.D.	d	
73) 1,2,4-Trichlorobenzene	11.59	180	1104	0.228	ppb	88
74) Hexachlorobutadiene	11.77	225	687	0.229	ppb	91
75) Naphthalene	11.83	128	1648	0.256	ppb	96
76) 1,2,3-Trichlorobenzene	12.08	180	778	0.184	ppb	92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110509.D
 Acq On : 05 Nov 2022 12:44 pm
 Operator : VM
 Sample : 0.2 ppb 8260 ICAL 67-1771
 Misc : soil/water
 ALS Vial : 5 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:15 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110509.D
 Acq On : 05 Nov 2022 12:44 pm
 Operator : VM
 Sample : 0.2 ppb 8260 ICAL 67-177I
 Misc : soil/water
 ALS Vial : 5 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:15 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I Fluorobenzene	10.000	10.000	0.0	100	0.00
2 TMP Ethanol	-1.000	0.000	0.0	0	0.00
3 S Dibromofluoromethane	10.000	10.076	-0.8	100	0.00
4 TMP Dichlorodifluoromethane	-1.000	0.000	0.0	0	-1.12#
5 TMP Chloromethane	-1.000	0.000	0.0	0	-1.26#
6 TMP Vinyl chloride	0.200	0.187	6.5	95	0.01
7 TMP Bromomethane	-1.000	0.000	0.0	0	-1.58#
8 TMP Chloroethane	-1.000	0.000	0.0	0	-1.65#
9 TMP Trichlorofluoromethane	0.200	0.213	-6.5	100	0.01
10 TMP 2-Propanol	-1.000	0.000	0.0	0	-2.33#
11 TMP Acetone	-1.000	0.000	0.0	0	-2.33#
12 TMP 1,1-Dichloroethene	0.200	0.196	2.0	95	0.00
13 TMP Hexane	-1.000	0.000	0.0	0	-3.16#
14 TMP Methylene chloride	-1.000	0.000	0.0	0	-2.68#
15 TMP t-Butyl alcohol (TBA)	-1.000	0.000	0.0	0	-2.82#
16 TMP Methyl t-butyl ether (MTBE)	0.200	0.199	0.5	100	0.00
17 TMP trans-1,2-Dichloroethene	0.200	0.199	0.5	97	0.00
18 TMP Diisopropyl ether (DIPE)	0.200	0.243	-21.5#	100	0.00
19 TMP 1,1-Dichloroethane	0.200	0.203	-1.5	100	0.00
20 TMP Ethyl t-butyl ether (ETBE)	0.200	0.193	3.5	100	0.00
21 TMP 2,2-Dichloropropane	0.200	0.240	-20.0	100	0.00
22 TMP cis-1,2-Dichloroethene	0.200	0.203	-1.5	100	0.00
23 TMP Chloroform	0.200	0.218	-9.0	100	0.01
24 TMP 2-Butanone (MEK)	1.000	1.386	-38.6#	102	0.01
25 TMP t-Amyl methyl ether (TAME)	0.200	0.203	-1.5	100	0.00
26 TMP 1,2-Dichloroethane (EDC)	0.200	0.198	1.0	104	0.00
27 TMP 1,1,1-Trichloroethane	0.200	0.195	2.5	100	0.00
28 TMP 1,1-Dichloropropene	0.200	0.199	0.5	100	0.00
29 TMP Carbon tetrachloride	0.200	0.214	-7.0	100	0.00
30 S 1,2-Dichloroethane-d4	10.000	10.436	-4.4	100	0.00
31 TMP Benzene	0.200	0.207	-3.5	100	0.00
32 TMP Trichloroethene	0.200	0.197	1.5	96	0.00
33 TMP 1,2-Dichloropropane	0.200	0.259	-29.5#	100	0.00
34 TMP Bromodichloromethane	0.200	0.180	10.0	100	0.00
35 S Toluene-d8	10.000	9.747	2.5	100	0.00
36 TMP Dibromomethane	0.200	0.245	-22.5#	100	0.00
37 TMP 4-Methyl-2-pentanone	1.000	0.914	8.6	100	0.00
38 TMP cis-1,3-Dichloropropene	0.200	0.210	-5.0	100	0.00
39 I Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40 TMP Toluene	0.200	0.212	-6.0	100	0.00
41 TMP trans-1,3-Dichloropropene	0.200	0.279	-39.5#	100	0.00
42 TMP 1,1,2-Trichloroethane	0.200	0.206	-3.0	100	0.00
43 TMP 2-Hexanone	1.000	1.088	-8.8	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110509.D
 Acq On : 05 Nov 2022 12:44 pm
 Operator : VM
 Sample : 0.2 ppb 8260 ICAL 67-177I
 Misc : soil/water
 ALS Vial : 5 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:15 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.200	0.249	-24.5#	100	-0.01
45 TMP Tetrachloroethene	0.200	0.203	-1.5	100	0.00
46 TMP Dibromochloromethane	0.200	0.251	-25.5#	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	0.200	0.190	5.0	100	0.00
48 TMP Chlorobenzene	0.200	0.213	-6.5	100	0.00
49 TMP Ethylbenzene	0.200	0.198	1.0	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.200	0.199	0.5	100	0.00
51 TMP m,p-Xylene	0.400	0.387	3.3	100	0.00
52 TMP o-Xylene	0.200	0.194	3.0	100	0.00
53 TMP Styrene	0.200	0.217	-8.5	100	0.00
54 TMP Isopropylbenzene	0.200	0.204	-2.0	100	0.00
55 TMP Bromoform	0.200	0.201	-0.5	100	0.00
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	10.000	10.493	-4.9	100	0.00
58 TMP n-Propylbenzene	0.200	0.204	-2.0	100	0.00
59 TMP Bromobenzene	0.200	0.235	-17.5	100	0.00
60 TMP 1,3,5-Trimethylbenzene	0.200	0.206	-3.0	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.200	0.185	7.5	100	0.00
62 TMP 1,2,3-Trichloropropane	0.200	0.236	-18.0	100	0.00
63 TMP 2-Chlorotoluene	0.200	0.216	-8.0	100	0.00
64 TMP 4-Chlorotoluene	0.200	0.235	-17.5	100	0.00
65 TMP tert-Butylbenzene	0.200	0.218	-9.0	100	0.00
66 TMP 1,2,4-Trimethylbenzene	0.200	0.203	-1.5	100	0.00
67 TMP sec-Butylbenzene	0.200	0.206	-3.0	100	0.00
68 TMP p-Isopropyltoluene	0.200	0.187	6.5	100	0.00
69 TMP 1,3-Dichlorobenzene	0.200	0.230	-15.0	100	0.00
70 TMP 1,4-Dichlorobenzene	0.200	0.240	-20.0	100	0.00
71 TMP 1,2-Dichlorobenzene	0.200	0.222	-11.0	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	-1.000	0.000	0.0	0	-10.78#
73 TMP 1,2,4-Trichlorobenzene	0.200	0.228	-14.0	100	0.00
74 TMP Hexachlorobutadiene	0.200	0.229	-14.5	100	0.00
75 TMP Naphthalene	0.200	0.256	-28.0#	100	0.00
76 TMP 1,2,3-Trichlorobenzene	0.200	0.184	8.0	100	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110509.D
 Acq On : 05 Nov 2022 12:44 pm
 Operator : VM
 Sample : 0.2 ppb 8260 ICAL 67-177I
 Misc : soil/water
 ALS Vial : 5 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:15 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2 TMP	Ethanol	0.000	0.000#	0.0	0#	0.00
3 S	Dibromofluoromethane	0.321	0.323	-0.6	100	0.00
4 TMP	Dichlorodifluoromethane	0.800	0.000#	100.0#	0#	-1.12#
5 TMP	Chloromethane	0.488	0.000#	100.0#	0#	-1.26#
6 TMP	Vinyl chloride	0.510	0.476	6.7	95	0.01
7 TMP	Bromomethane	0.432	0.000#	100.0#	0#	-1.58#
8 TMP	Chloroethane	0.229	0.000#	100.0#	0#	-1.65#
9 TMP	Trichlorofluoromethane	1.123	1.196	-6.5	100	0.01
10 TMP	2-Propanol	0.000	0.000	0.0	0#	-2.33#
11 TMP	Acetone	0.029	0.000#	100.0#	0#	-2.33#
12 TMP	1,1-Dichloroethene	0.285	0.279	2.1	95	0.00
13 TMP	Hexane	0.323	0.000#	100.0#	0#	-3.16#
14 TMP	Methylene chloride	0.289	0.000#	100.0#	0#	-2.68#
15 TMP	t-Butyl alcohol (TBA)	0.024	0.000#	100.0#	0#	-2.82#
16 TMP	Methyl t-butyl ether (MTBE)	0.666	0.662	0.6	100	0.00
17 TMP	trans-1,2-Dichloroethene	0.318	0.317	0.3	97	0.00
18 TMP	Diisopropyl ether (DIPE)	0.698	0.846	-21.2#	100	0.00
19 TMP	1,1-Dichloroethane	0.463	0.471	-1.7	100	0.00
20 TMP	Ethyl t-butyl ether (ETBE)	0.258	0.249	3.5	100	0.00
21 TMP	2,2-Dichloropropane	0.258	0.331	-28.3#	100	0.00
22 TMP	cis-1,2-Dichloroethene	0.333	0.338	-1.5	100	0.00
23 TMP	Chloroform	0.539	0.586	-8.7	100	0.01
24 TMP	2-Butanone (MEK)	0.132	0.205	-55.3#	102	0.01
25 TMP	t-Amyl methyl ether (TAME)	0.540	0.549	-1.7	100	0.00
26 TMP	1,2-Dichloroethane (EDC)	0.465	0.480	-3.2	104	0.00
27 TMP	1,1,1-Trichloroethane	0.482	0.471	2.3	100	0.00
28 TMP	1,1-Dichloropropene	0.370	0.396	-7.0	100	0.00
29 TMP	Carbon tetrachloride	0.485	0.520	-7.2	100	0.00
30 S	1,2-Dichloroethane-d4	0.062	0.065	-4.8	100	0.00
31 TMP	Benzene	1.118	1.157	-3.5	100	0.00
32 TMP	Trichloroethene	0.367	0.361	1.6	96	0.00
33 TMP	1,2-Dichloropropane	0.241	0.312	-29.5#	100	0.00
34 TMP	Bromodichloromethane	0.387	0.348	10.1	100	0.00
35 S	Toluene-d8	0.954	0.930	2.5	100	0.00
36 TMP	Dibromomethane	0.219	0.269	-22.8#	100	0.00
37 TMP	4-Methyl-2-pentanone	0.042	0.039	7.1	100	0.00
38 TMP	cis-1,3-Dichloropropene	0.360	0.378	-5.0	100	0.00
39 I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40 TMP	Toluene	0.907	0.916	-1.0	100	0.00
41 TMP	trans-1,3-Dichloropropene	0.366	0.479	-30.9#	100	0.00
42 TMP	1,1,2-Trichloroethane	0.285	0.285	0.0	100	0.00
43 TMP	2-Hexanone	0.190	0.206	-8.4	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110509.D
 Acq On : 05 Nov 2022 12:44 pm
 Operator : VM
 Sample : 0.2 ppb 8260 ICAL 67-177I
 Misc : soil/water
 ALS Vial : 5 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:15 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.457	0.569	-24.5#	100	-0.01
45 TMP Tetrachloroethene	0.460	0.439	4.6	100	0.00
46 TMP Dibromochloromethane	0.451	0.597	-32.4#	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	0.360	0.342	5.0	100	0.00
48 TMP Chlorobenzene	0.993	1.058	-6.5	100	0.00
49 TMP Ethylbenzene	1.557	1.540	1.1	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.387	0.385	0.5	100	0.00
51 TMP m,p-Xylene	0.612	0.592	3.3	100	0.00
52 TMP o-Xylene	0.591	0.573	3.0	100	0.00
53 TMP Styrene	0.887	0.961	-8.3	100	0.00
54 TMP Isopropylbenzene	1.435	1.463	-2.0	100	0.00
55 TMP Bromoform	0.299	0.300	-0.3	100	0.00
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	0.689	0.723	-4.9	100	0.00
58 TMP n-Propylbenzene	2.700	2.749	-1.8	100	0.00
59 TMP Bromobenzene	0.837	0.982	-17.3	100	0.00
60 TMP 1,3,5-Trimethylbenzene	1.968	2.027	-3.0	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.626	0.827	-32.1#	100	0.00
62 TMP 1,2,3-Trichloropropane	0.486	0.573	-17.9	100	0.00
63 TMP 2-Chlorotoluene	1.617	1.744	-7.9	100	0.00
64 TMP 4-Chlorotoluene	1.912	2.246	-17.5	100	0.00
65 TMP tert-Butylbenzene	1.952	2.127	-9.0	100	0.00
66 TMP 1,2,4-Trimethylbenzene	1.996	2.025	-1.5	100	0.00
67 TMP sec-Butylbenzene	2.624	2.706	-3.1	100	0.00
68 TMP p-Isopropyltoluene	2.387	2.232	6.5	100	0.00
69 TMP 1,3-Dichlorobenzene	1.530	1.761	-15.1	100	0.00
70 TMP 1,4-Dichlorobenzene	1.564	1.879	-20.1#	100	0.00
71 TMP 1,2-Dichlorobenzene	1.455	1.614	-10.9	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	0.108	0.000#	100.0#	0#	-10.78#
73 TMP 1,2,4-Trichlorobenzene	0.971	1.104	-13.7	100	0.00
74 TMP Hexachlorobutadiene	0.600	0.687	-14.5	100	0.00
75 TMP Naphthalene	1.833	1.648	10.1	100	0.00
76 TMP 1,2,3-Trichlorobenzene	0.846	0.778	8.0	100	0.00

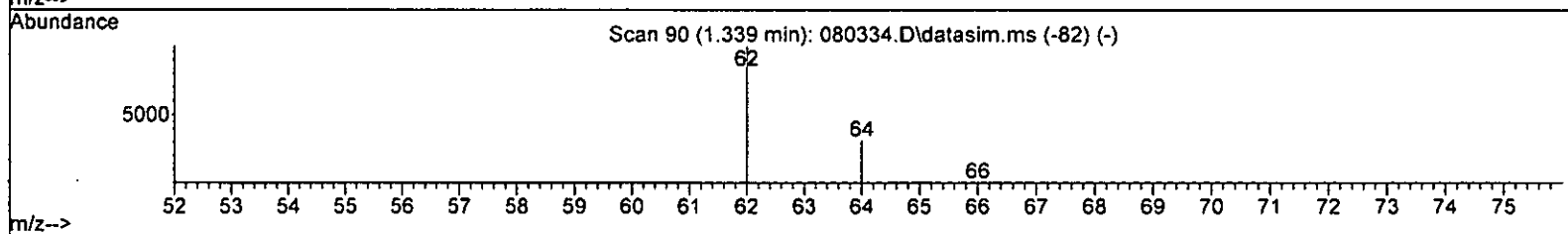
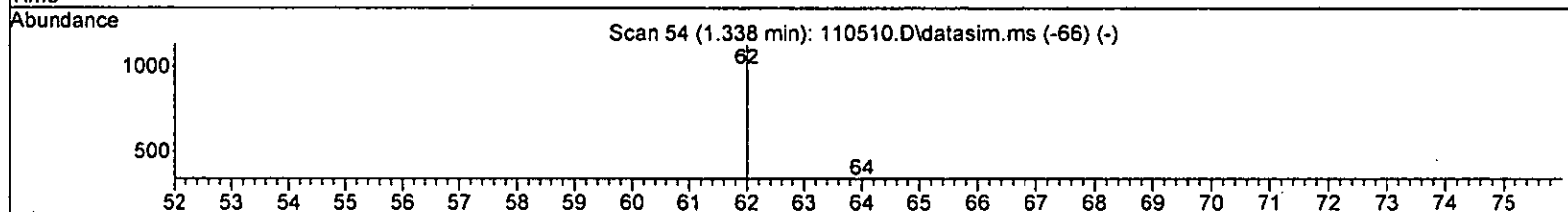
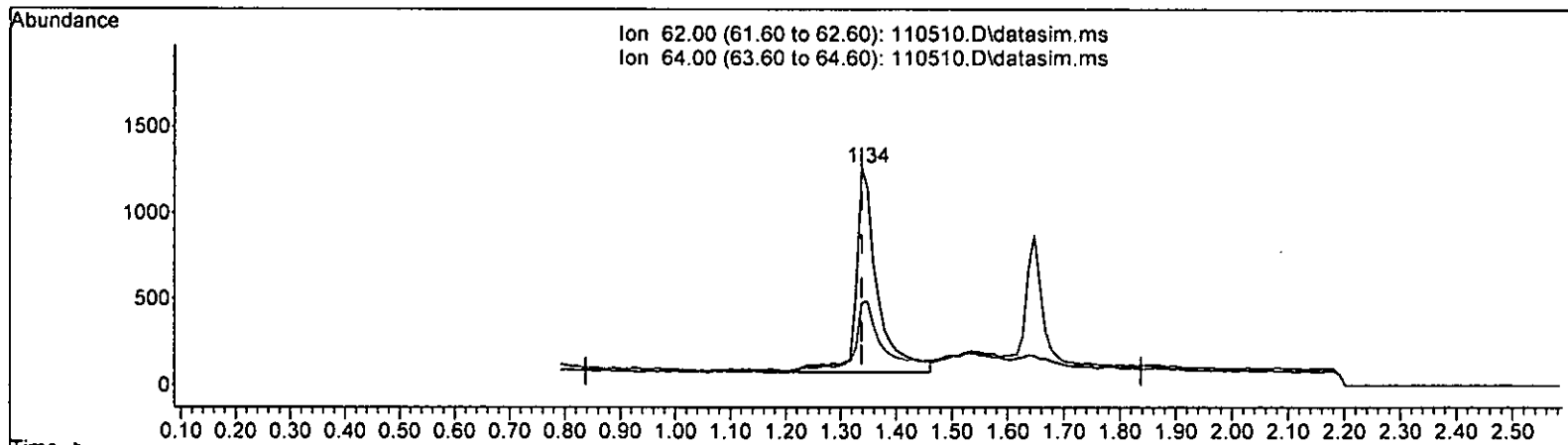
(#) = Out of Range

SPCC's out = 10 CCC's out = 0

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110510.D
 Acq On : 05 Nov 2022 01:07 pm
 Operator : VM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:17 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110510.D\data.ms

(6) Vinyl chloride (TMP)

1.338min (+ 0.000) 0.555 ppb

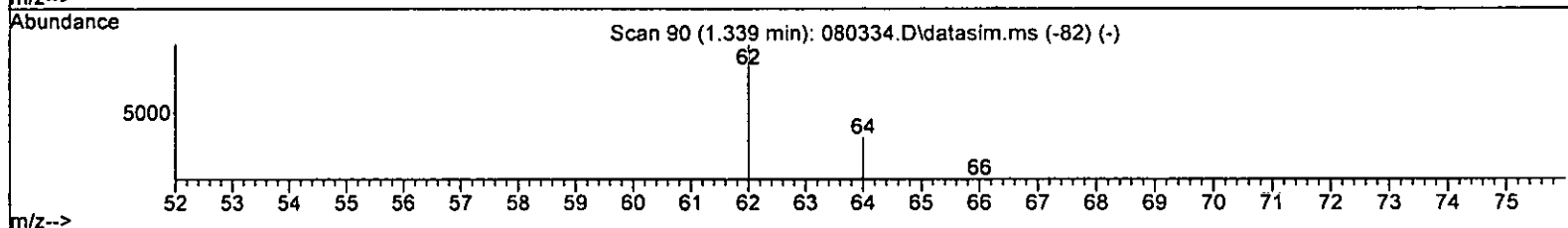
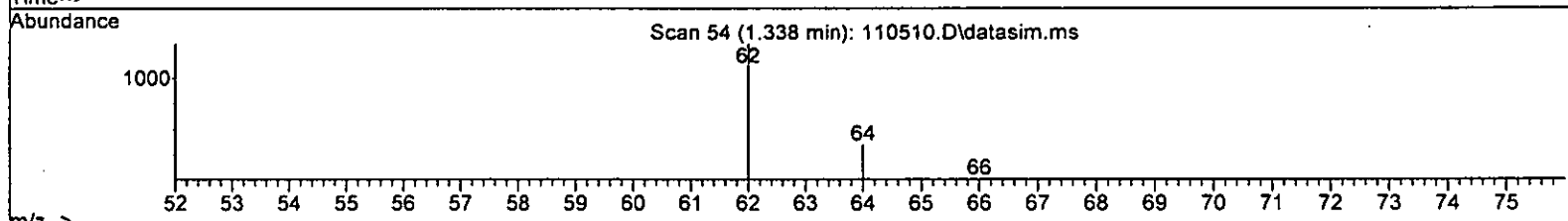
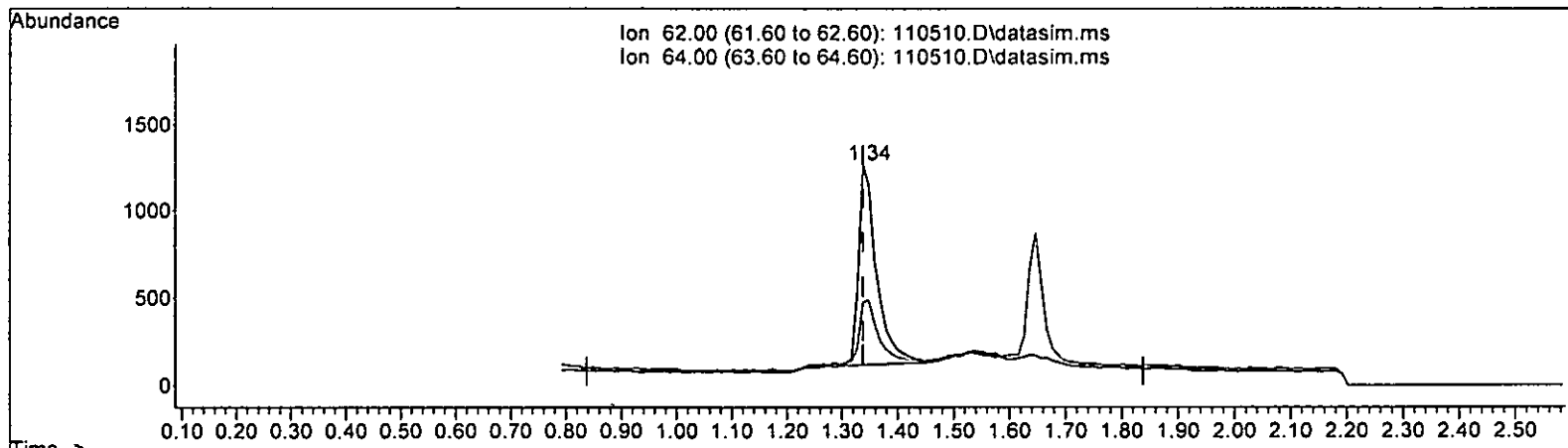
response 3158

Ion	Exp%	Act%
62.00	100.00	100.00
64.00	34.40	32.61
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110510.D
 Acq On : 05 Nov 2022 01:07 pm
 Operator : VM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:17 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110510.D\data.ms

(6) Vinyl chloride (TMP)

1.338min (+ 0.000) 0.451 ppb m

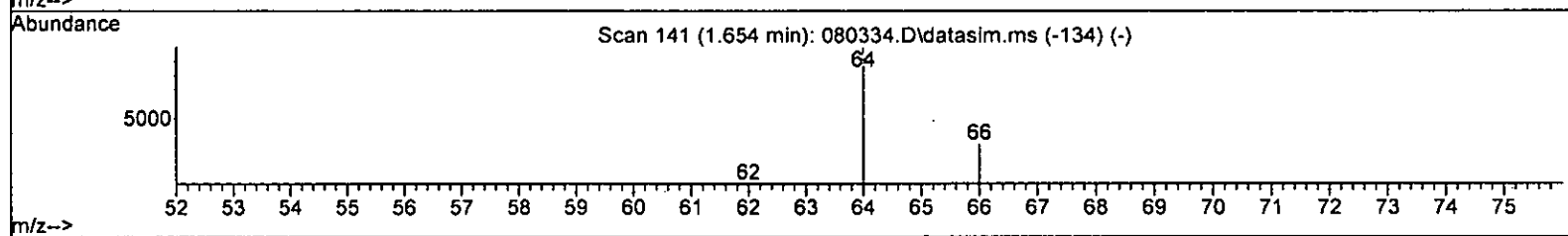
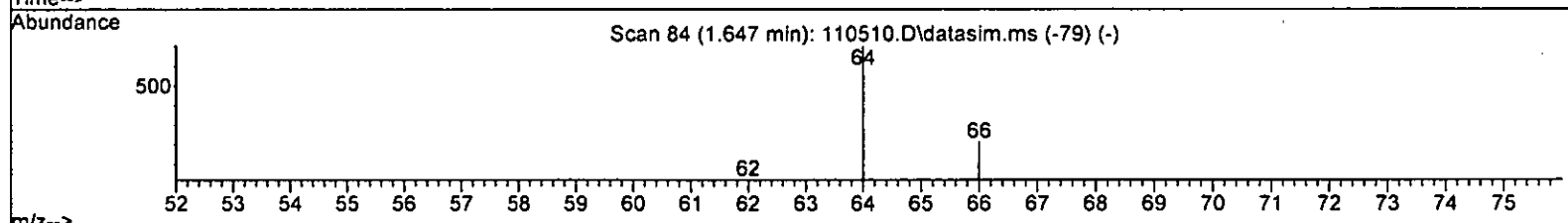
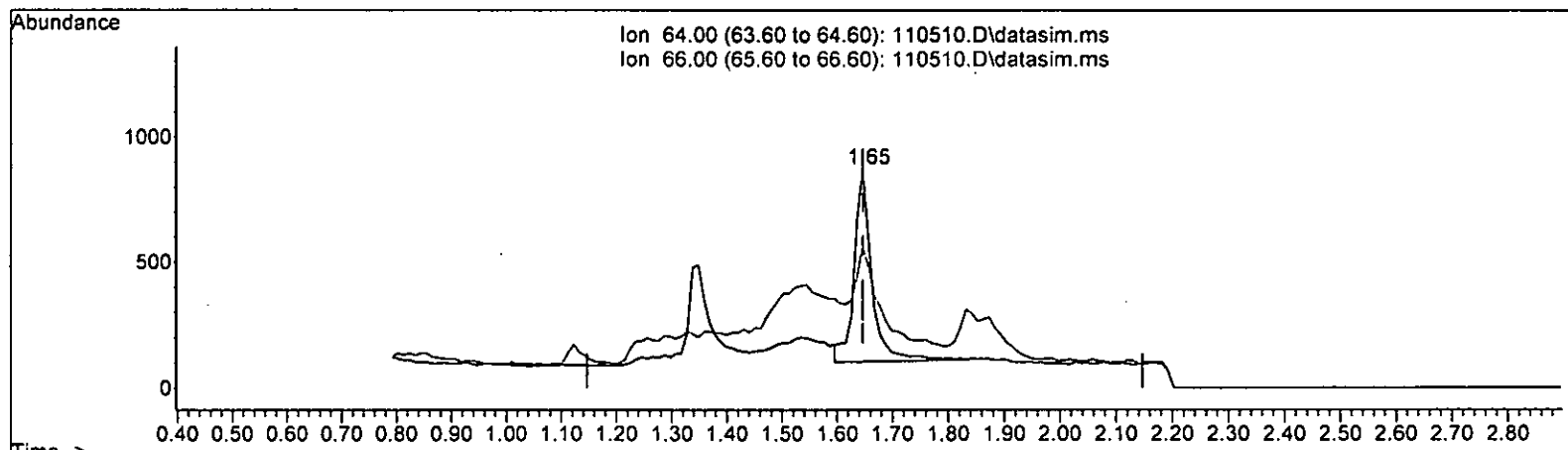
response 2566

Ion	Exp%	Act%
62.00	100.00	100.00
64.00	34.40	37.62
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110510.D
 Acq On : 05 Nov 2022 01:07 pm
 Operator : VM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:17 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110510.D\data.ms

(8) Chloroethane (TMP)

1.647min (-0.000) 0.654 ppb

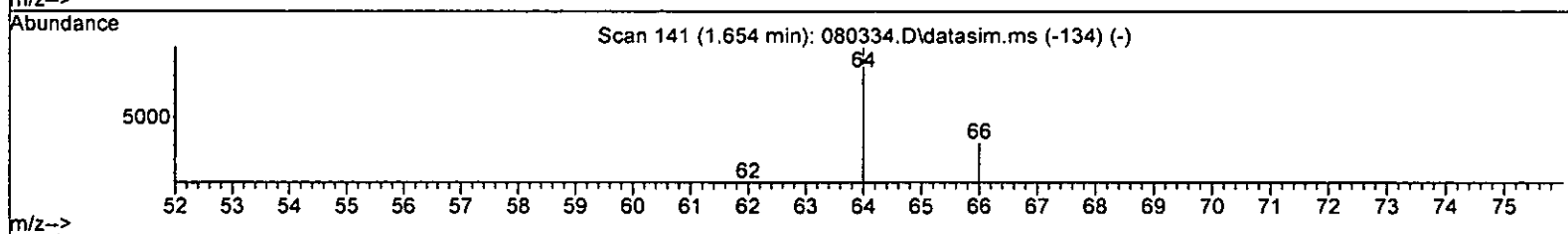
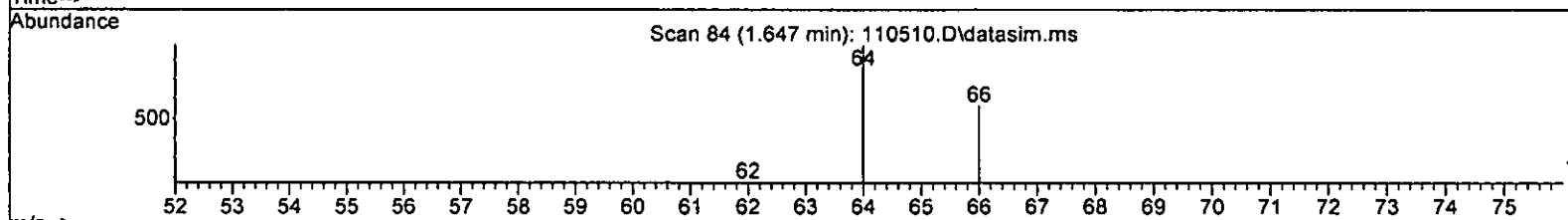
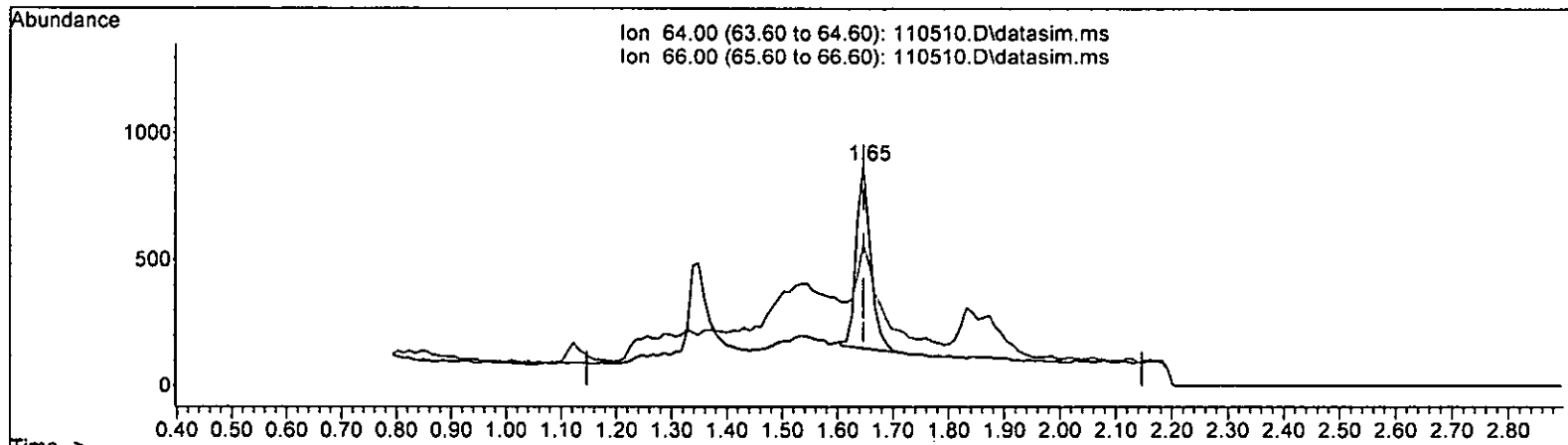
response 1669

Ion	Exp%	Act%
64.00	100.00	100.00
66.00	30.90	33.07
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110510.D
 Acq On : 05 Nov 2022 01:07 pm
 Operator : VM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:17 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110510.D\data.ms

(8) Chloroethane (TMP)

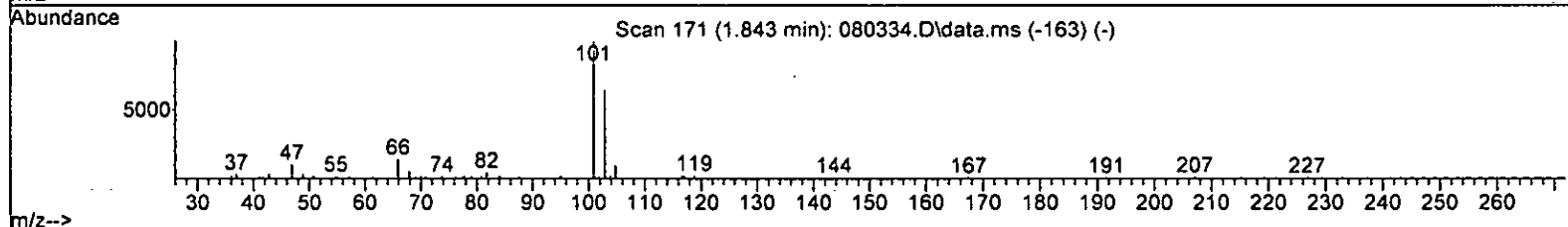
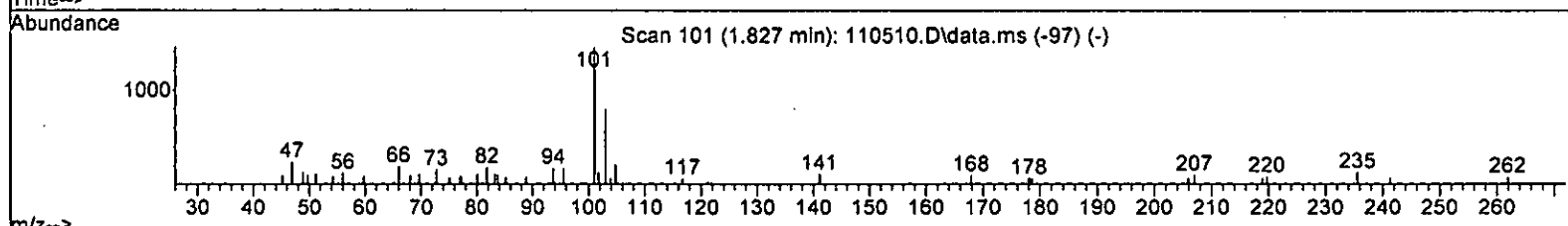
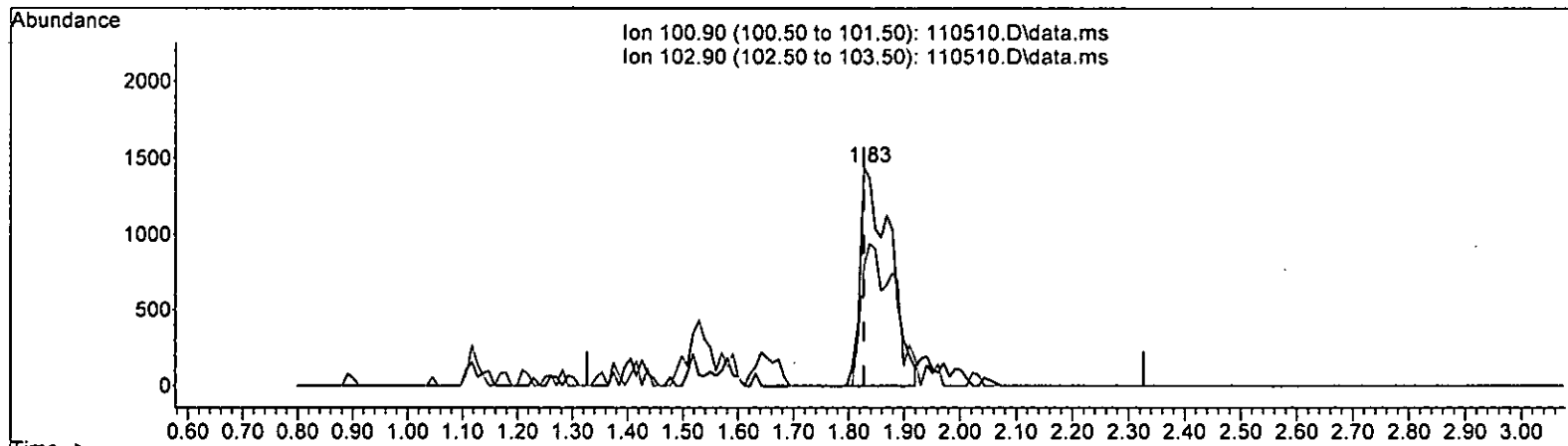
1.647min (-0.000) 0.504 ppb m

response	1286	
Ion	Exp%	Act%
64.00	100.00	100.00
66.00	30.90	64.42#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110510.D
 Acq On : 05 Nov 2022 01:07 pm
 Operator : VM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:17 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110510.D\data.ms

(9) Trichlorofluoromethane (TMP)

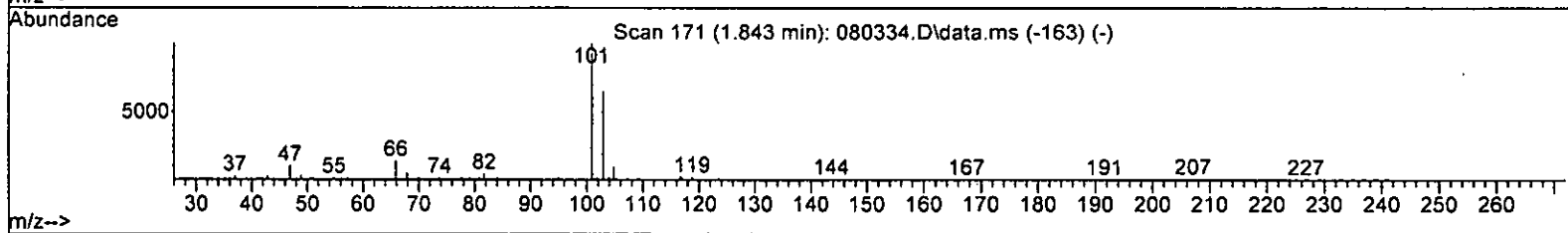
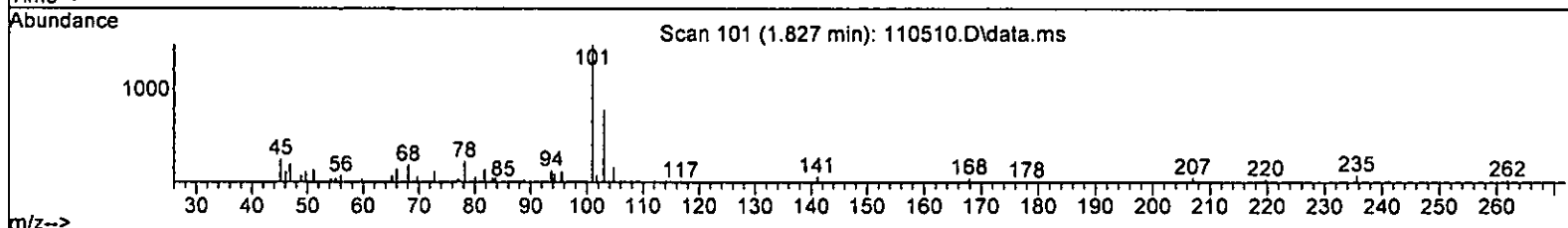
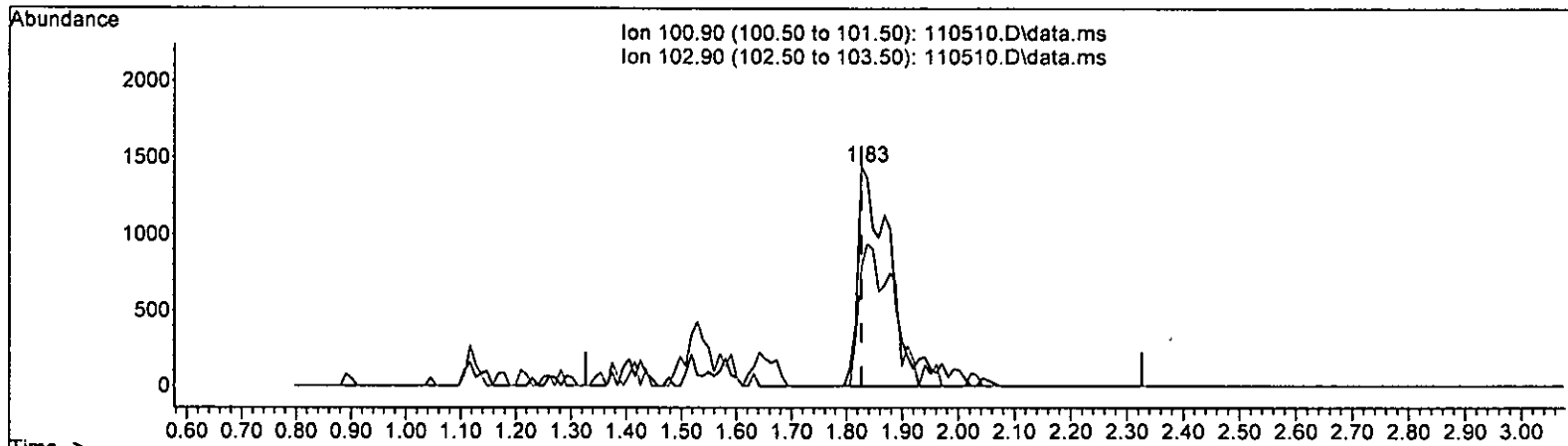
1.827min (-0.000) 0.426 ppb

response	5341
Ion	Exp% Act%
100.90	100.00 100.00
102.90	65.30 54.74
0.00	0.00 0.00
0.00	0.00 0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110510.D
 Acq On : 05 Nov 2022 01:07 pm
 Operator : VM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:17 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110510.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.827min (-0.000) 0.511 ppb m

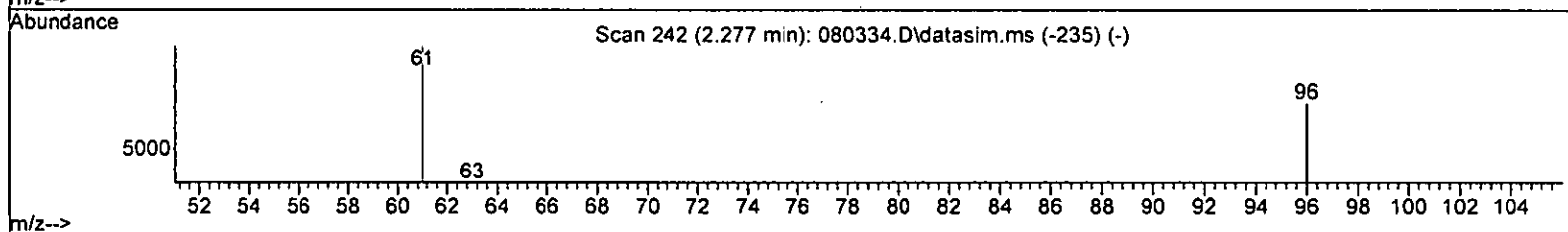
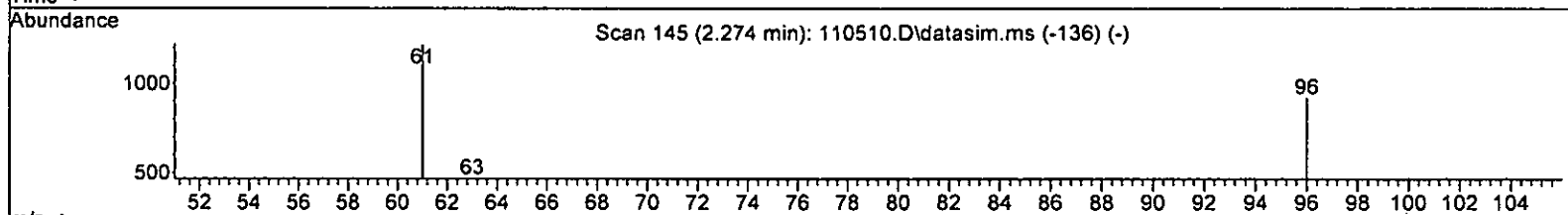
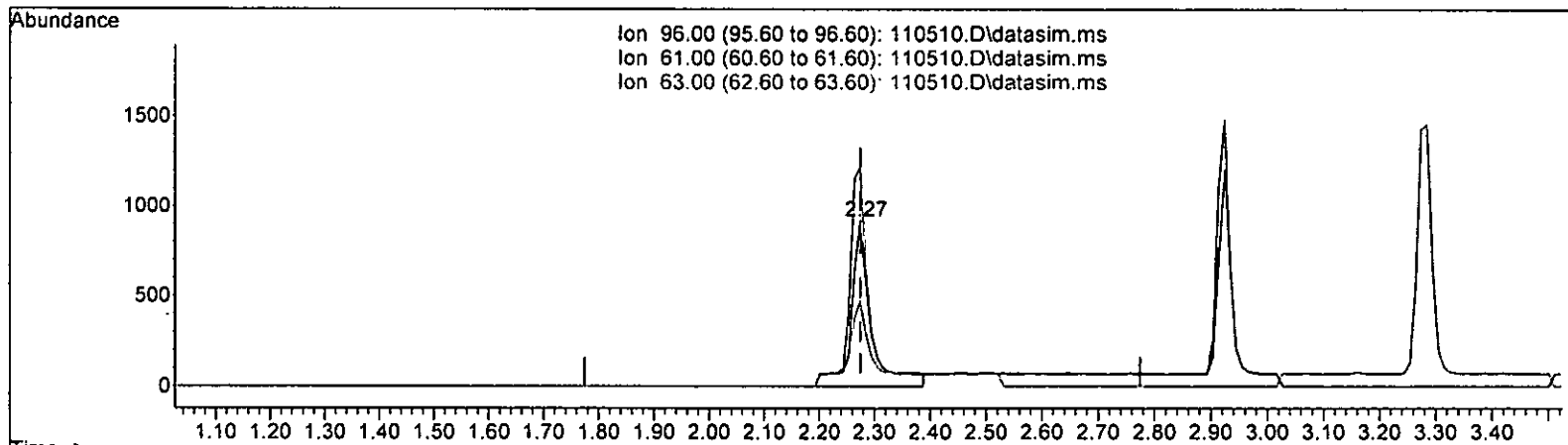
response 6405

Ion	Exp%	Act%
100.90	100.00	100.00
102.90	65.30	54.74
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110510.D
 Acq On : 05 Nov 2022 01:07 pm
 Operator : VM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:17 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110510.D\data.ms

(12) 1,1-Dichloroethene (TMP)

2.274min (-0.001) 0.721 ppb

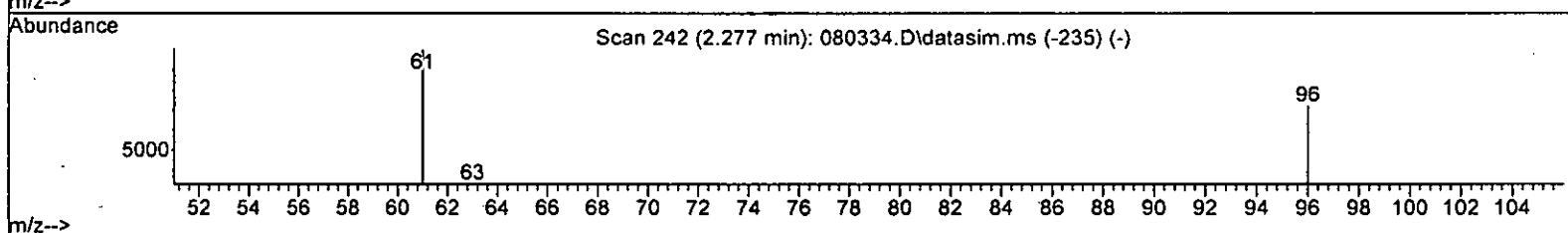
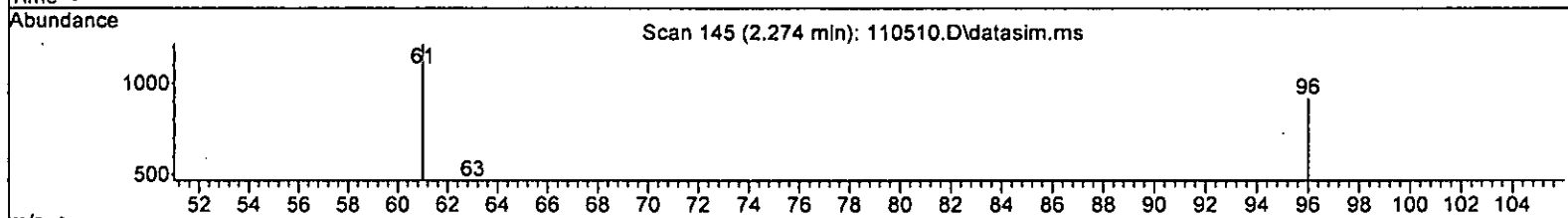
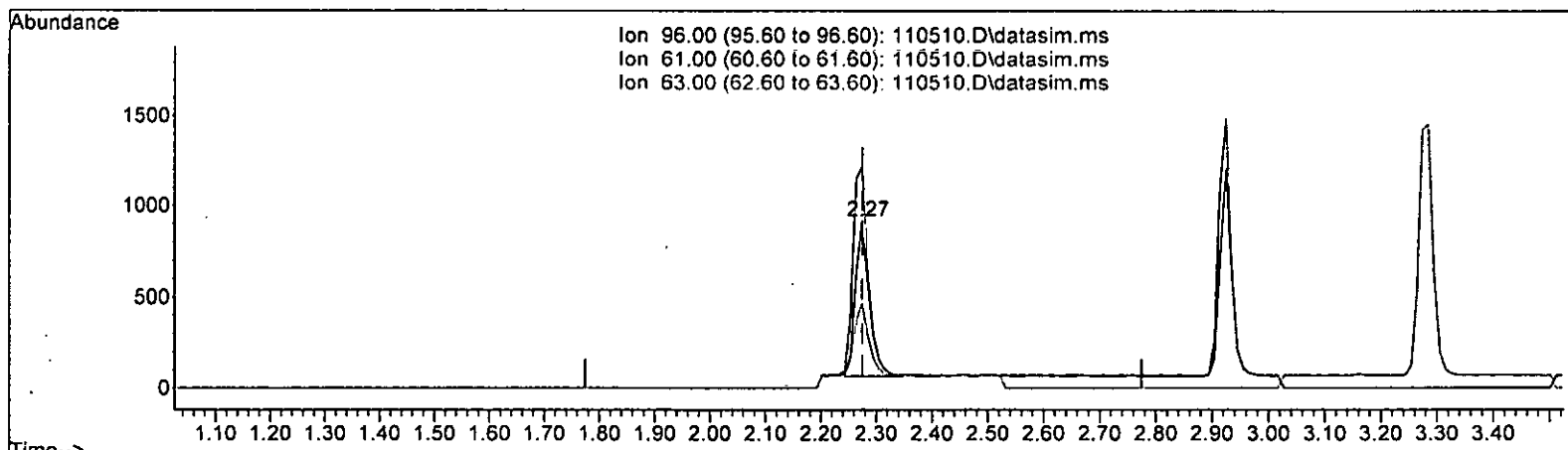
response 2292

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	120.90	132.72
63.00	43.90	50.93
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110510.D
 Acq On : 05 Nov 2022 01:07 pm
 Operator : VM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:17 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



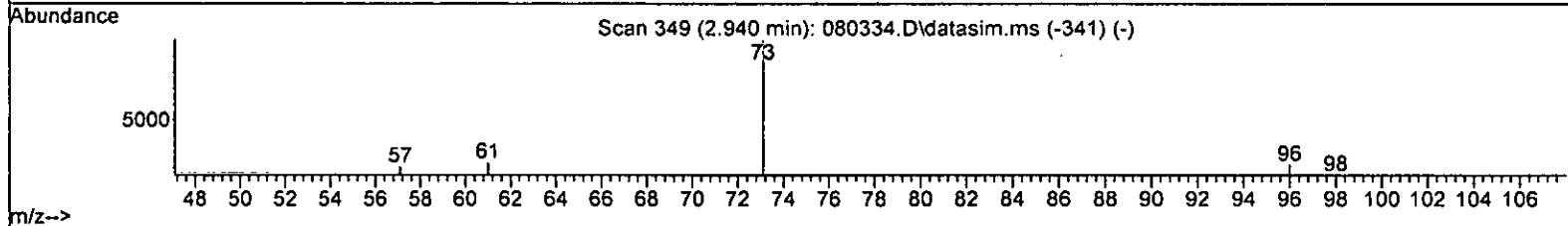
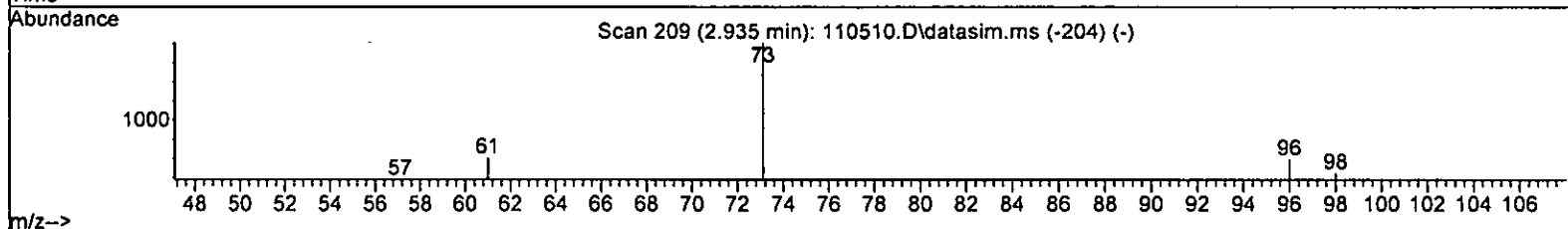
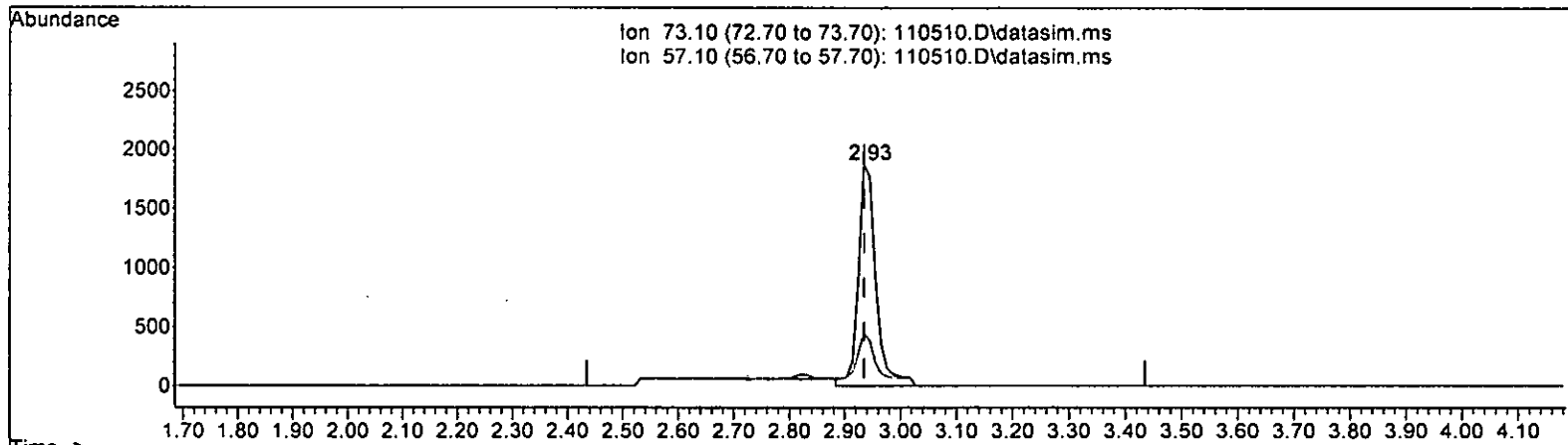
TIC: 110510.D\data.ms

(12)	1,1-Dichloroethene (TMP)	
2.274min	(-0.001)	0.471 ppb m
response	1498	
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	120.90	132.72
63.00	43.90	50.93
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110510.D
 Acq On : 05 Nov 2022 01:07 pm
 Operator : VM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:17 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110510.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

2.935min (-0.000) 0.550 ppb

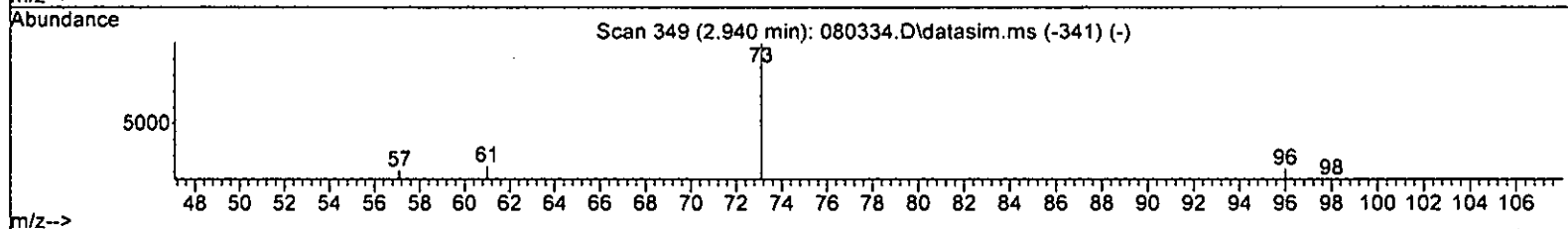
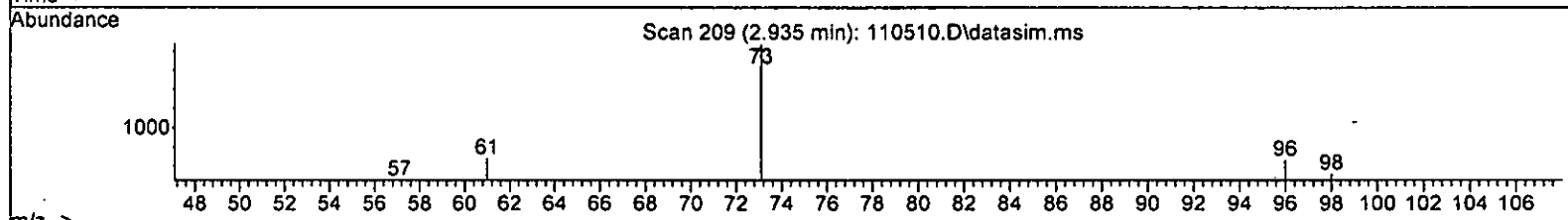
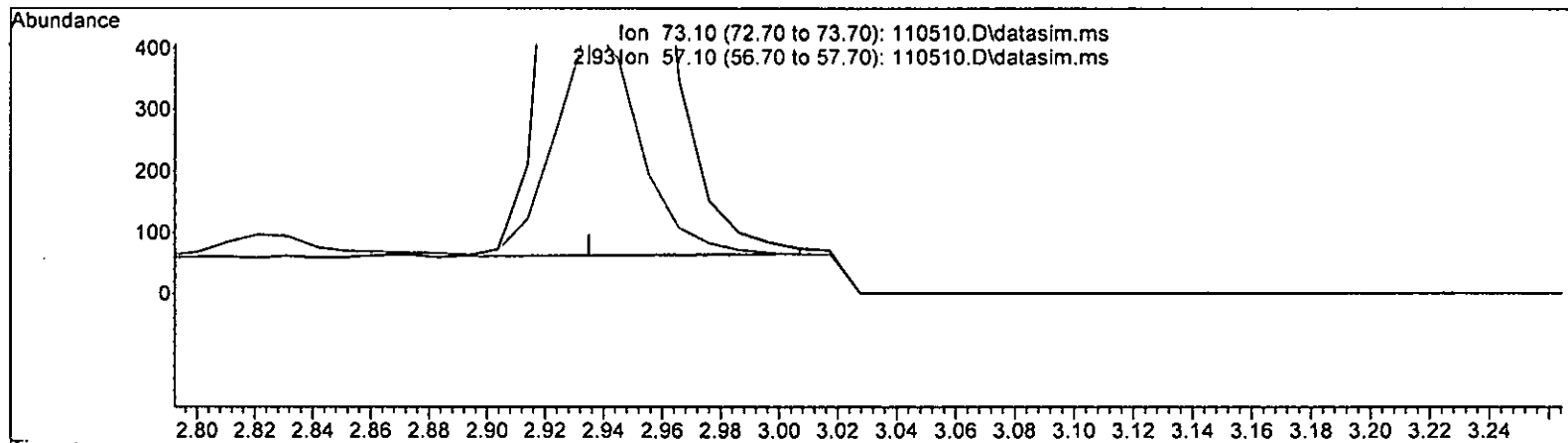
response 4087

Ion	Exp%	Act%
73.10	100.00	100.00
57.10	19.40	23.82
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110510.D
 Acq On : 05 Nov 2022 01:07 pm
 Operator : VM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:17 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110510.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

2.935min (-0.000) 0.482 ppb m

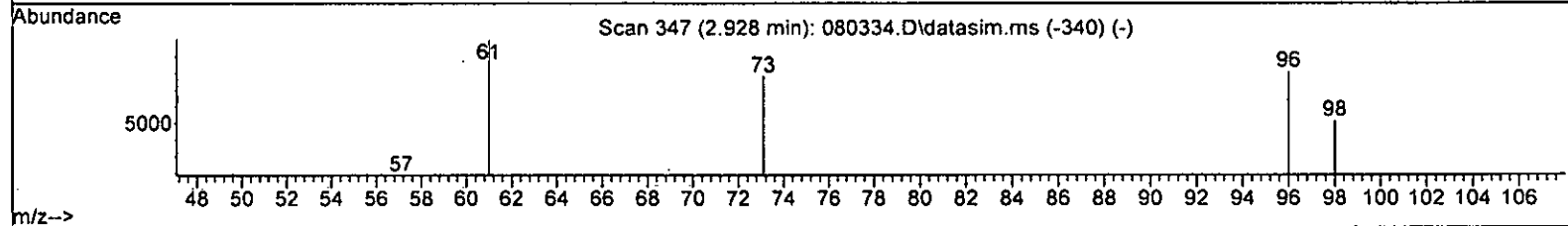
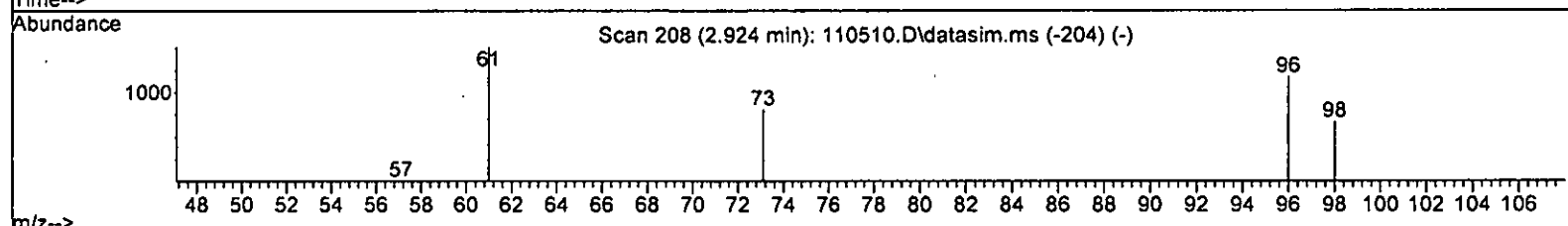
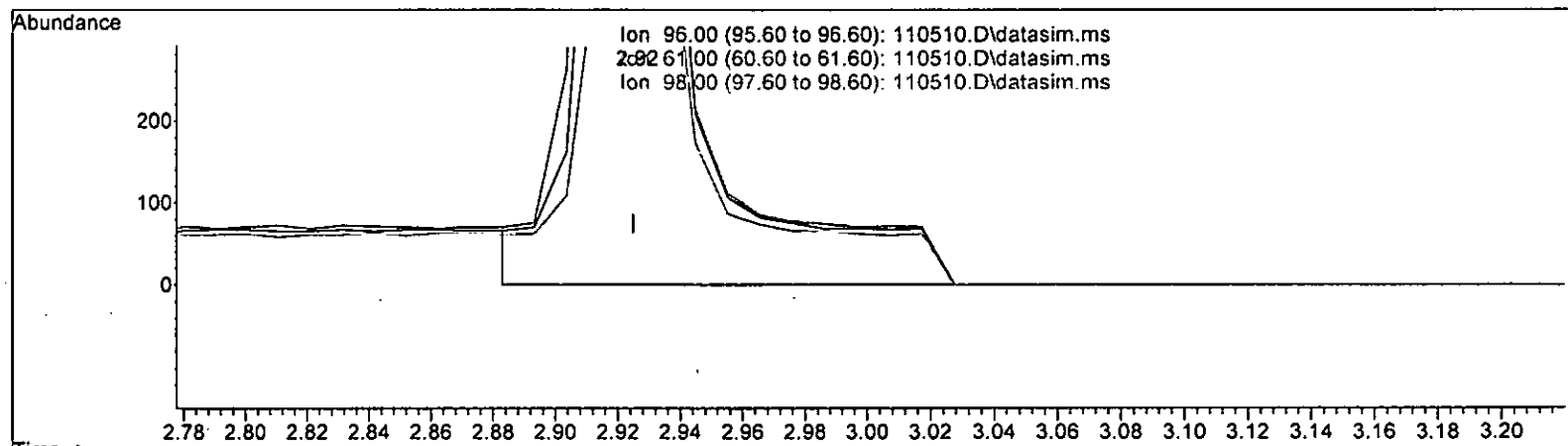
response 3577

Ion	Exp%	Act%
73.10	100.00	100.00
57.10	19.40	23.82
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110510.D
 Acq On : 05 Nov 2022 01:07 pm
 Operator : VM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:17 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110510.D\data.ms

(17) trans-1,2-Dichloroethene (TMP)

2.924min (-0.001) 0.617 ppb

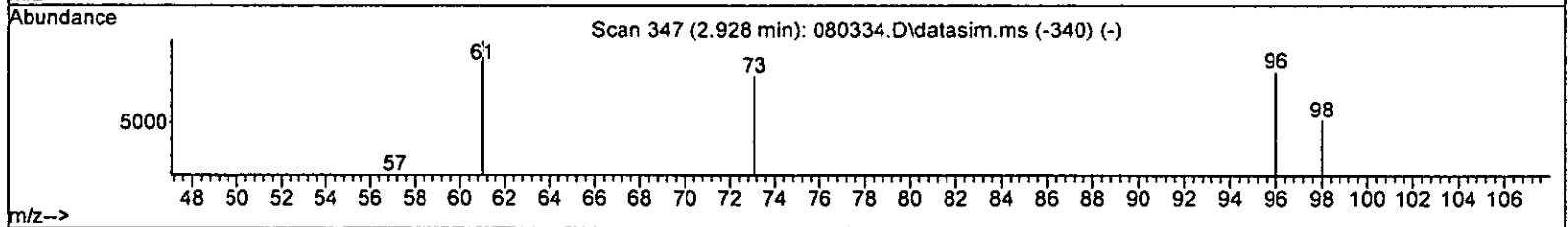
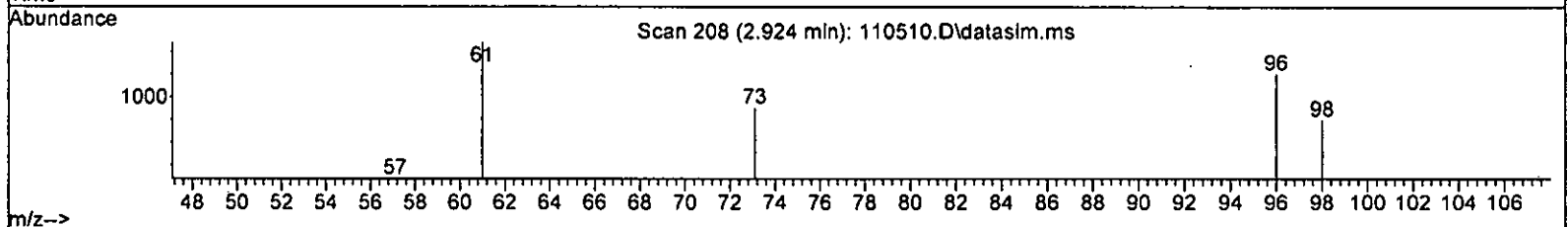
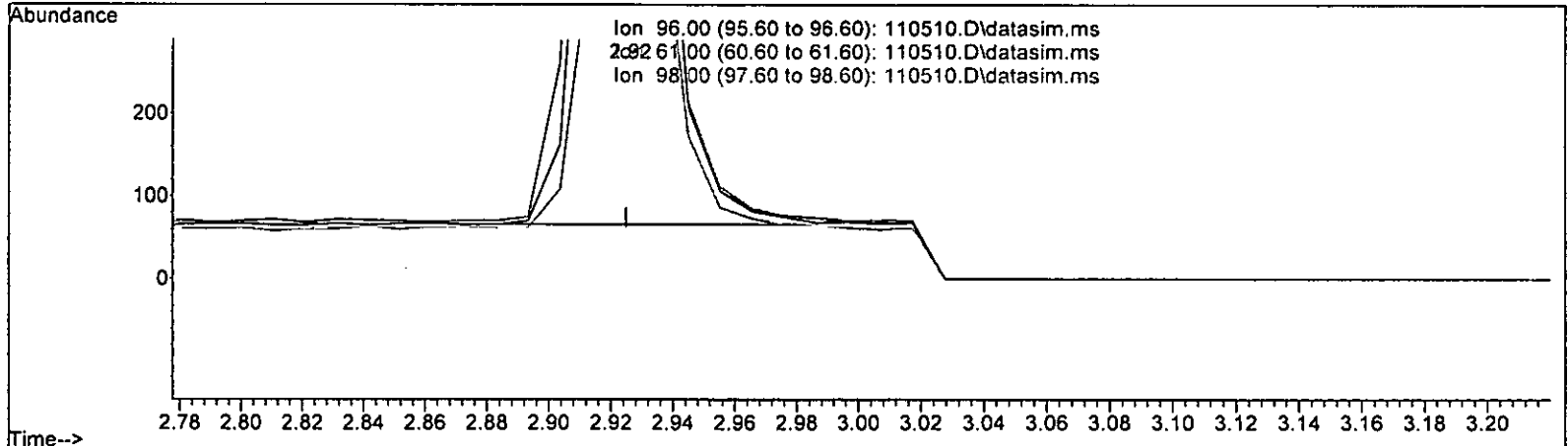
response 2191

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	108.70	123.04
98.00	67.30	66.06
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110510.D
 Acq On : 05 Nov 2022 01:07 pm
 Operator : VM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:17 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



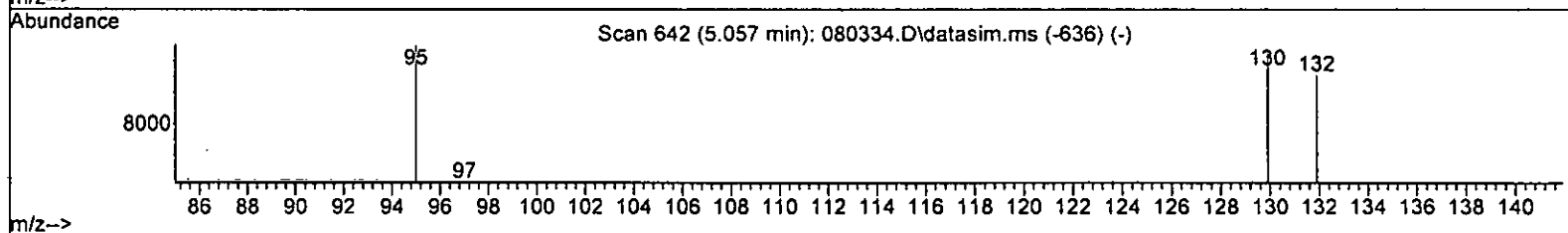
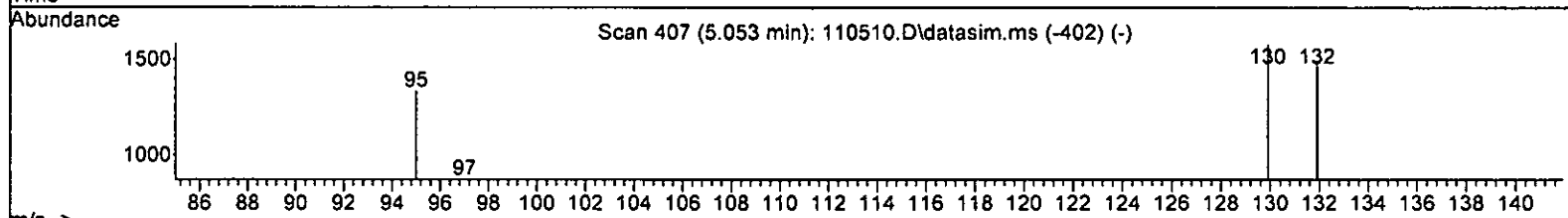
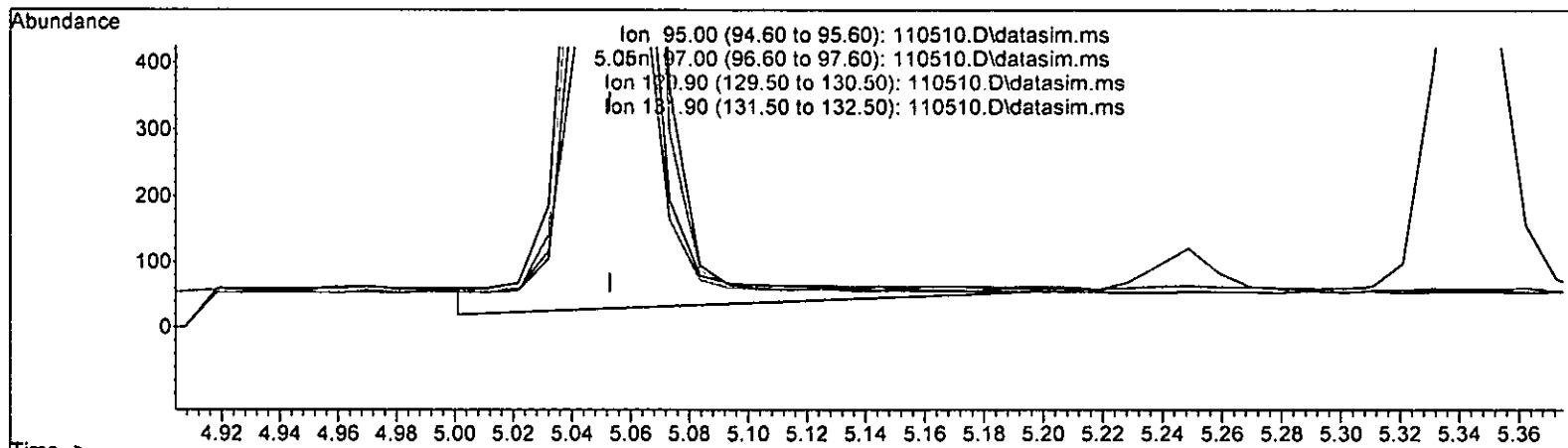
TIC: 110510.D\data.ms

(17) trans-1,2-Dichloroethene (TMP)			
2.924min (-0.001) 0.466 ppb m			
response	1656		
Ion	Exp%	Act%	
96.00	100.00	100.00	
61.00	108.70	123.04	
98.00	67.30	66.06	
0.00	0.00	0.00	

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110510.D
 Acq On : 05 Nov 2022 01:07 pm
 Operator : VM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:17 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



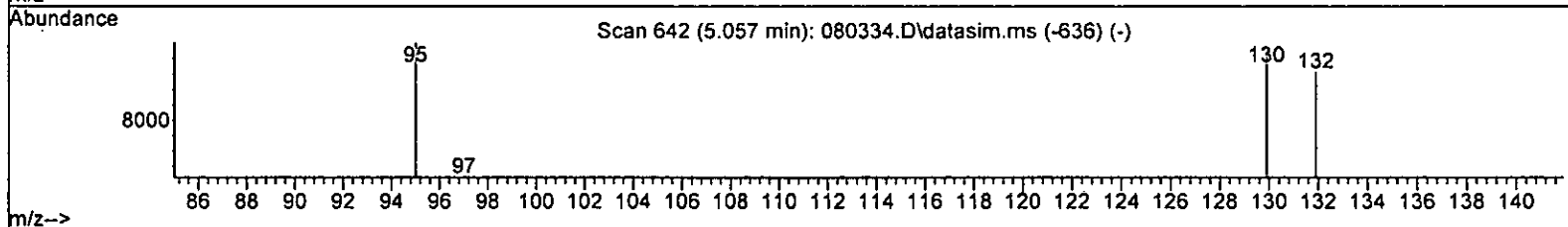
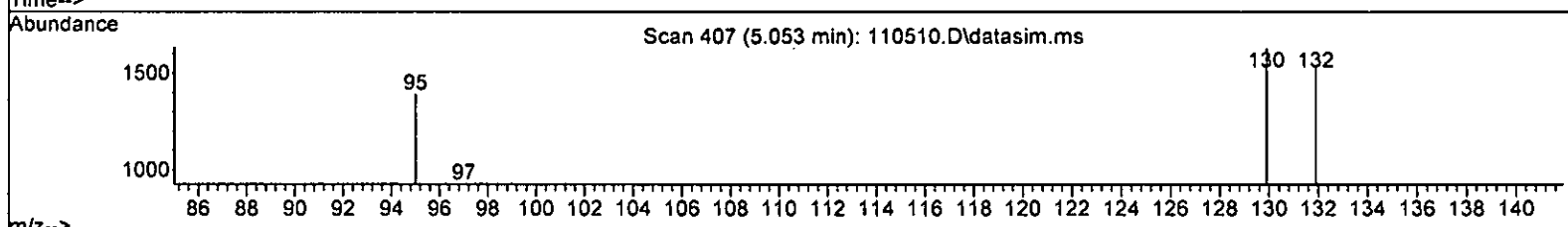
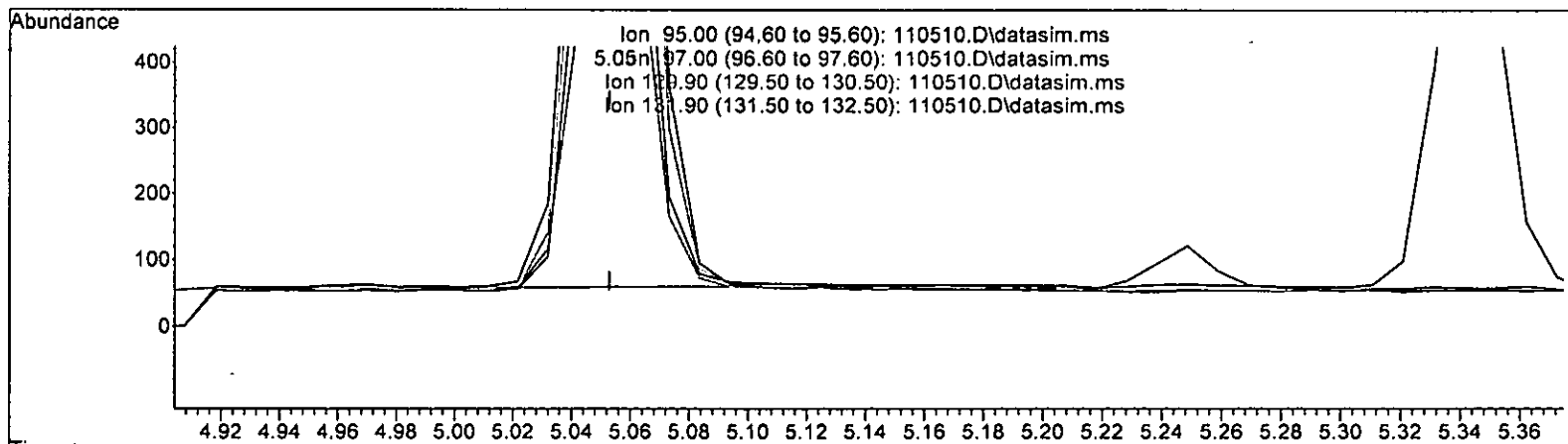
TIC: 110510.D\data.ms

(32) Trichloroethene (TME)		
5.053min (-0.000)	0.538 ppb	
response	2198	
Ion	Exp%	Act%
95.00	100.00	100.00
97.00	64.60	65.24
129.90	103.40	118.47
131.90	95.80	111.71

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110510.D
 Acq On : 05 Nov 2022 01:07 pm
 Operator : VM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:17 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110510.D\data.ms

(32) Trichloroethene (TMP)

5.053min (-0.000) 0.468 ppb m

response 1915

Ion	Exp%	Act%
95.00	100.00	100.00
97.00	64.60	66.62
129.90	103.40	117.41
131.90	95.80	110.94

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110510.D
 Acq On : 05 Nov 2022 01:07 pm
 Operator : VM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:17 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	4.75	96	111564	10.000	ppb	0.00	
39) Chlorobenzene-d5	7.40	117	90038	10.000	ppb	0.00	
56) 1,4-Dichlorobenzene-d4	9.62	152	50622	10.000	ppb	0.00	
System Monitoring Compounds							
3) Dibromofluoromethane	4.17	113	36119	10.096	ppb	0.00	
Spiked Amount	10.000	Range	50 - 150	Recovery	=	101.00%	
30) 1,2-Dichloroethane-d4	4.45	102	6567	9.472	ppb	0.00	
Spiked Amount	10.000	Range	84 - 120	Recovery	=	94.70%	
35) Toluene-d8	6.11	98	102563	9.639	ppb	0.00	
Spiked Amount	10.000	Range	73 - 128	Recovery	=	96.40%	
57) 4-Bromofluorobenzene	8.51	95	34829	9.985	ppb	0.00	
Spiked Amount	10.000	Range	57 - 146	Recovery	=	99.90%	
Target Compounds							
							Qvalue
2) Ethanol	2.31	45	242	No Calib			
4) Dichlorodifluoromethane	1.12	85	4960	0.556	ppb		95
5) Chloromethane	0.00		0	N.D.	d		
6] Vinyl chloride	1.34	62	2566m	0.451	ppb		
7) Bromomethane	0.00		0	N.D.	d		
8] Chloroethane	1.65	64	1286m	0.504	ppb		
9) Trichlorofluoromethane	1.83	101	6405m	0.511	ppb		
10] 2-Propanol	2.31	45	242	No Calib			
11) Acetone	2.33	58	1062	2.685	ppb		92
12] 1,1-Dichloroethene	2.27	96	1498m	0.471	ppb		
13) Hexane	0.00		0	N.D.	d		
14) Methylene chloride	0.00		0	N.D.	d		
15) t-Butyl alcohol (TBA)	0.00		0	N.D.	d		
16] Methyl t-butyl ether (...)	2.93	73	3577m	0.482	ppb		
17] trans-1,2-Dichloroethene	2.92	96	1656m	0.466	ppb		
18) Diisopropyl ether (DIPE)	3.35	45	3909	0.502	ppb		91
19] 1,1-Dichloroethane	3.28	63	2472	0.478	ppb		93
20] Ethyl t-butyl ether (E...)	3.66	87	1617	0.563	ppb	#	84
21) 2,2-Dichloropropane	3.77	77	1440	0.505	ppb		91
22] cis-1,2-Dichloroethene	3.77	96	1785	0.480	ppb		95
23) Chloroform	4.04	83	3271	0.544	ppb		93
24) 2-Butanone (MEK)	3.79	43	3644	2.364	ppb		93
25) t-Amyl methyl ether (T...)	4.61	73	2774	0.460	ppb		90
26] 1,2-Dichloroethane (EDC)	4.53	62	2459	0.505	ppb		96
27] 1,1,1-Trichloroethane	4.19	97	2484	0.462	ppb		92
28) 1,1-Dichloropropene	4.33	75	2049	0.490	ppb		87
29) Carbon tetrachloride	4.33	117	2913	0.538	ppb		74
31] Benzene	4.50	78	6008	0.482	ppb		98
32] Trichloroethene	5.05	95	1915m	0.468	ppb		
33) 1,2-Dichloropropane	5.24	63	1246	0.464	ppb		91
34) Bromodichloromethane	5.48	83	2208	0.512	ppb		87
36) Dibromomethane	5.35	93	1413	0.577	ppb		93

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110510.D
 Acq On : 05 Nov 2022 01:07 pm
 Operator : VM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS13

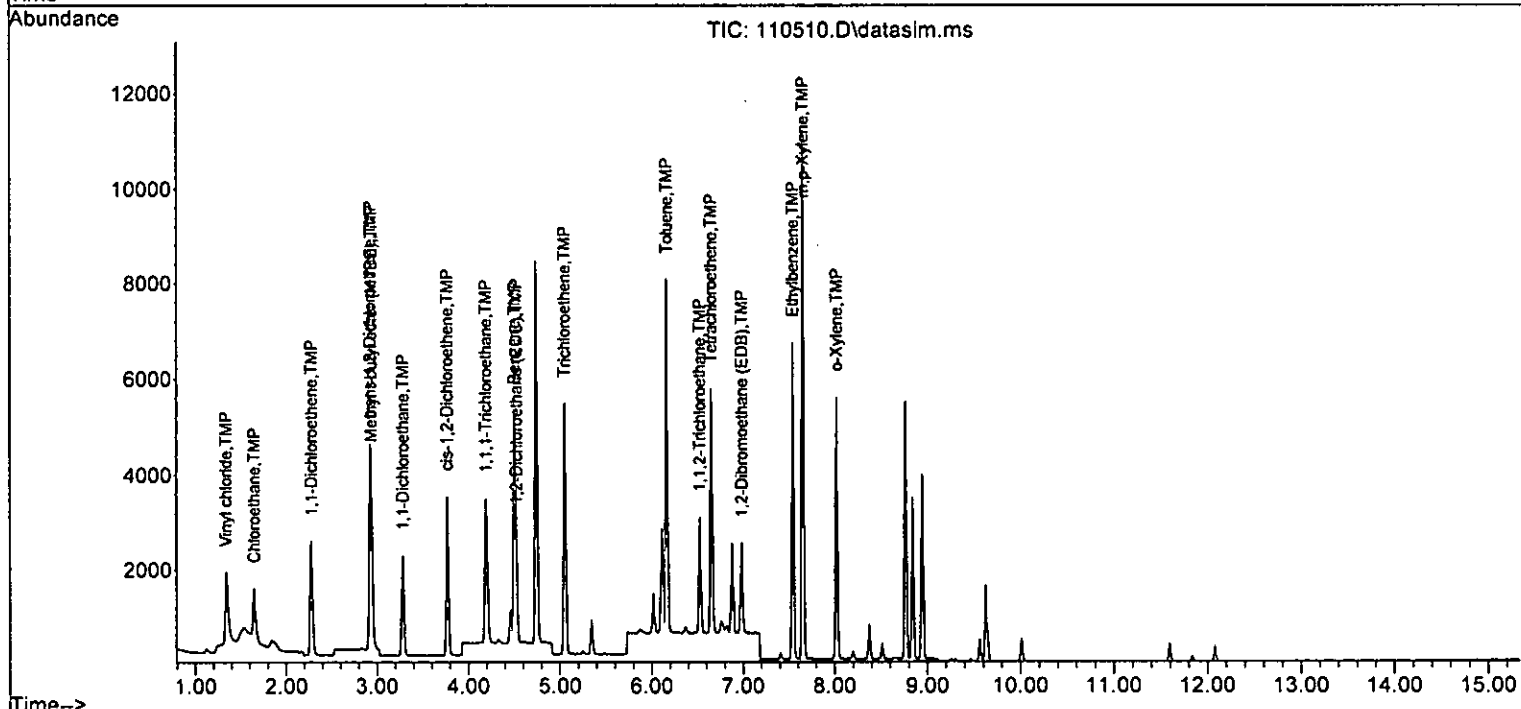
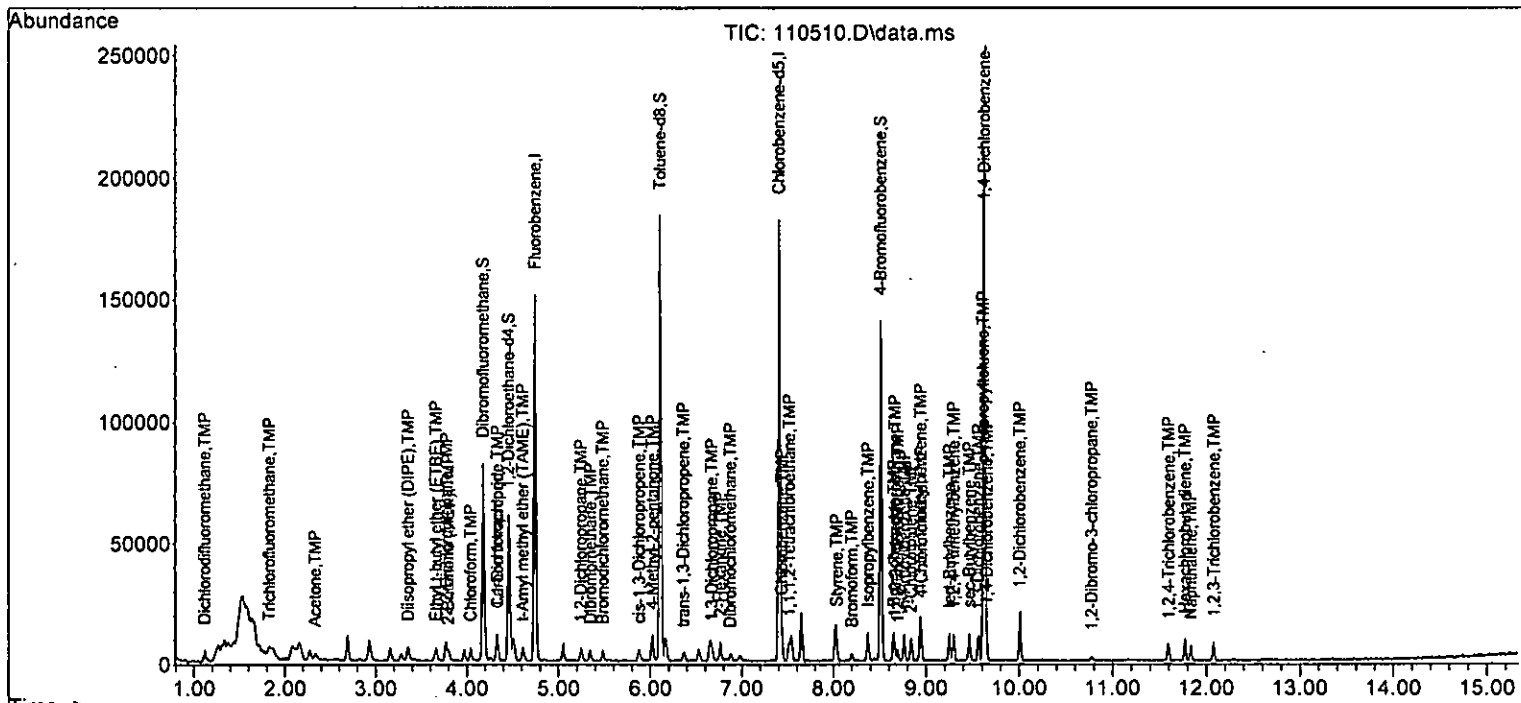
Quant Time: Nov 07 15:17:17 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	6.02	85	1234	2.607	ppb	92
38) cis-1,3-Dichloropropene	5.88	75	1991	0.496	ppb	75
40] Toluene	6.16	92	3797	0.510	ppb	97
41) trans-1,3-Dichloropropene	6.36	75	1400	0.451	ppb	80
42] 1,1,2-Trichloroethane	6.53	83	1209	0.505	ppb	94
43) 2-Hexanone	6.76	43	4462	2.614	ppb	91
44) 1,3-Dichloropropane	6.67	76	2024	0.492	ppb	96
45] Tetrachloroethene	6.65	164	1919	0.522	ppb	97
46) Dibromochloromethane	6.87	129	1798	0.440	ppb	94
47] 1,2-Dibromoethane (EDB)	6.98	107	1474	0.455	ppb	97
48) Chlorobenzene	7.43	112	4834	0.541	ppb	94
49] Ethylbenzene	7.54	91	6733	0.480	ppb	96
50] 1,1,1,2-Tetrachloroethane	7.52	131	1772	0.509	ppb	91
51] m,p-Xylene	7.65	106	5123	0.930	ppb	93
52] o-Xylene	8.02	106	2479	0.466	ppb	92
53) Styrene	8.03	104	3761	0.471	ppb	99
54) Isopropylbenzene	8.37	105	5911	0.457	ppb	89
55) Bromoform	8.20	173	1341	0.498	ppb	92
58) n-Propylbenzene	8.77	91	6959	0.509	ppb	91
59) Bromobenzene	8.65	156	2039	0.481	ppb	91
60] 1,3,5-Trimethylbenzene	8.94	105	4779	0.480	ppb	88
61] 1,1,2,2-Tetrachloroethane	8.66	83	1676	0.471	ppb	97
62] 1,2,3-Trichloropropane	8.70	75	1478	0.600	ppb	87
63) 2-Chlorotoluene	8.84	91	4404	0.538	ppb	86
64) 4-Chlorotoluene	8.95	91	5220	0.539	ppb	90
65) tert-Butylbenzene	9.25	119	4875	0.493	ppb	91
66) 1,2,4-Trimethylbenzene	9.30	105	4680	0.463	ppb	83
67) sec-Butylbenzene	9.46	105	6241	0.470	ppb	89
68) p-Isopropyltoluene	9.61	119	5572	0.461	ppb	91
69) 1,3-Dichlorobenzene	9.56	146	3918	0.506	ppb	94
70] 1,4-Dichlorobenzene	9.65	146	3747	0.473	ppb	92
71] 1,2-Dichlorobenzene	10.01	146	3473	0.472	ppb	98
72] 1,2-Dibromo-3-chloropr...	10.77	75	298	0.546	ppb #	73
73) 1,2,4-Trichlorobenzene	11.60	180	2240	0.456	ppb	98
74) Hexachlorobutadiene	11.77	225	1571	0.517	ppb	91
75) Naphthalene	11.83	128	4029	0.509	ppb	89
76) 1,2,3-Trichlorobenzene	12.08	180	1986	0.464	ppb	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110510.D
 Acq On : 05 Nov 2022 01:07 pm
 Operator : VM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:17 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110510.D
 Acq On : 05 Nov 2022 01:07 pm
 Operator : VM
 Sample : 0.5 ppb 8260 ICAL 67-177J
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 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I Fluorobenzene	10.000	10.000	0.0	100	0.00
2 TMP Ethanol	-1.000	0.000	0.0	0	-0.02
3 S Dibromofluoromethane	10.000	10.096	-1.0	100	0.00
4 TMP Dichlorodifluoromethane	0.500	0.556	-11.2	100	0.00
5 TMP Chloromethane	-1.000	0.000	0.0	0	-1.26#
6 TMP Vinyl chloride	0.500	0.451	9.8	96	0.00
7 TMP Bromomethane	-1.000	0.000	0.0	0	-1.58#
8 TMP Chloroethane	0.500	0.504	-0.8	109	0.00
9 TMP Trichlorofluoromethane	0.500	0.511	-2.2	120	0.00
10 TMP 2-Propanol	-1.000	0.000	0.0	0	-0.02
11 TMP Acetone	2.500	2.685	-7.4	100	0.00
12 TMP 1,1-Dichloroethene	0.500	0.471	5.8	100	0.00
13 TMP Hexane	-1.000	0.000	0.0	0	-3.16#
14 TMP Methylene chloride	-1.000	0.000	0.0	0	-2.68#
15 TMP t-Butyl alcohol (TBA)	-1.000	0.000	0.0	0	-2.82#
16 TMP Methyl t-butyl ether (MTBE)	0.500	0.482	3.6	101	0.00
17 TMP trans-1,2-Dichloroethene	0.500	0.466	6.8	97	0.00
18 TMP Diisopropyl ether (DIPE)	0.500	0.502	-0.4	100	0.00
19 TMP 1,1-Dichloroethane	0.500	0.478	4.4	100	0.00
20 TMP Ethyl t-butyl ether (ETBE)	0.500	0.563	-12.6	100	0.00
21 TMP 2,2-Dichloropropane	0.500	0.505	-1.0	100	0.00
22 TMP cis-1,2-Dichloroethene	0.500	0.480	4.0	100	0.00
23 TMP Chloroform	0.500	0.544	-8.8	100	0.00
24 TMP 2-Butanone (MEK)	2.500	2.364	5.4	105	0.00
25 TMP t-Amyl methyl ether (TAME)	0.500	0.460	8.0	100	0.00
26 TMP 1,2-Dichloroethane (EDC)	0.500	0.505	-1.0	103	0.00
27 TMP 1,1,1-Trichloroethane	0.500	0.462	7.6	100	0.00
28 TMP 1,1-Dichloropropane	0.500	0.490	2.0	100	0.00
29 TMP Carbon tetrachloride	0.500	0.538	-7.6	100	0.00
30 S 1,2-Dichloroethane-d4	10.000	9.472	5.3	100	0.00
31 TMP Benzene	0.500	0.482	3.6	100	0.00
32 TMP Trichloroethene	0.500	0.468	6.4	100	0.00
33 TMP 1,2-Dichloropropane	0.500	0.464	7.2	100	0.00
34 TMP Bromodichloromethane	0.500	0.512	-2.4	100	0.00
35 S Toluene-d8	10.000	9.639	3.6	100	0.00
36 TMP Dibromomethane	0.500	0.577	-15.4	100	0.00
37 TMP 4-Methyl-2-pentanone	2.500	2.607	-4.3	104	0.00
38 TMP cis-1,3-Dichloropropene	0.500	0.496	0.8	100	0.00
39 I Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40 TMP Toluene	0.500	0.510	-2.0	100	0.00
41 TMP trans-1,3-Dichloropropene	0.500	0.451	9.8	100	0.00
42 TMP 1,1,2-Trichloroethane	0.500	0.505	-1.0	100	0.00
43 TMP 2-Hexanone	2.500	2.614	-4.6	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110510.D
 Acq On : 05 Nov 2022 01:07 pm
 Operator : VM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:17 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.500	0.492	1.6	100	-0.01
45 TMP Tetrachloroethene	0.500	0.522	-4.4	100	0.00
46 TMP Dibromochloromethane	0.500	0.440	12.0	100	-0.01
47 TMP 1,2-Dibromoethane (EDB)	0.500	0.455	9.0	100	0.00
48 TMP Chlorobenzene	0.500	0.541	-8.2	100	0.00
49 TMP Ethylbenzene	0.500	0.480	4.0	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.500	0.509	-1.8	100	0.00
51 TMP m,p-Xylene	1.000	0.930	7.0	100	0.00
52 TMP o-Xylene	0.500	0.466	6.8	100	0.00
53 TMP Styrene	0.500	0.471	5.8	100	0.00
54 TMP Isopropylbenzene	0.500	0.457	8.6	100	0.00
55 TMP Bromoform	0.500	0.498	0.4	100	0.00
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	10.000	9.985	0.2	100	0.00
58 TMP n-Propylbenzene	0.500	0.509	-1.8	100	0.00
59 TMP Bromobenzene	0.500	0.481	3.8	100	0.00
60 TMP 1,3,5-Trimethylbenzene	0.500	0.480	4.0	101	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.500	0.471	5.8	100	0.00
62 TMP 1,2,3-Trichloropropane	0.500	0.600	-20.0	100	0.00
63 TMP 2-Chlorotoluene	0.500	0.538	-7.6	100	0.00
64 TMP 4-Chlorotoluene	0.500	0.539	-7.8	100	0.00
65 TMP tert-Butylbenzene	0.500	0.493	1.4	100	0.00
66 TMP 1,2,4-Trimethylbenzene	0.500	0.463	7.4	100	0.00
67 TMP sec-Butylbenzene	0.500	0.470	6.0	100	0.00
68 TMP p-Isopropyltoluene	0.500	0.461	7.8	100	0.00
69 TMP 1,3-Dichlorobenzene	0.500	0.506	-1.2	100	0.00
70 TMP 1,4-Dichlorobenzene	0.500	0.473	5.4	100	0.00
71 TMP 1,2-Dichlorobenzene	0.500	0.472	5.6	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	-1.000	0.546	0.0	0	0.00
73 TMP 1,2,4-Trichlorobenzene	0.500	0.456	8.8	100	0.00
74 TMP Hexachlorobutadiene	0.500	0.517	-3.4	100	0.00
75 TMP Naphthalene	0.500	0.509	-1.8	100	0.00
76 TMP 1,2,3-Trichlorobenzene	0.500	0.464	7.2	100	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110510.D
 Acq On : 05 Nov 2022 01:07 pm
 Operator : VM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:17 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I Fluorobenzene	1.000	1.000	0.0	100	0.00
2 TMP Ethanol	0.000	0.000#	0.0	0#	-0.02
3 S Dibromofluoromethane	0.321	0.324	-0.9	100	0.00
4 TMP Dichlorodifluoromethane	0.800	0.889	-11.1	100	0.00
5 TMP Chloromethane	0.488	0.000#	100.0#	0#	-1.26#
6 TMP Vinyl chloride	0.510	0.460	9.8	96	0.00
7 TMP Bromomethane	0.432	0.000#	100.0#	0#	-1.58#
8 TMP Chloroethane	0.229	0.231	-0.9	109	0.00
9 TMP Trichlorofluoromethane	1.123	1.148	-2.2	120	0.00
10 TMP 2-Propanol	0.000	0.000	0.0	0#	-0.02
11 TMP Acetone	0.029	0.038	-31.0#	100	0.00
12 TMP 1,1-Dichloroethene	0.285	0.269	5.6	100	0.00
13 TMP Hexane	0.323	0.000#	100.0#	0#	-3.16#
14 TMP Methylene chloride	0.289	0.000#	100.0#	0#	-2.68#
15 TMP t-Butyl alcohol (TBA)	0.024	0.000#	100.0#	0#	-2.82#
16 TMP Methyl t-butyl ether (MTBE)	0.666	0.641	3.8	101	0.00
17 TMP trans-1,2-Dichloroethene	0.318	0.297	6.6	97	0.00
18 TMP Diisopropyl ether (DIPE)	0.698	0.701	-0.4	100	0.00
19 TMP 1,1-Dichloroethane	0.463	0.443	4.3	100	0.00
20 TMP Ethyl t-butyl ether (ETBE)	0.258	0.290	-12.4	100	0.00
21 TMP 2,2-Dichloropropane	0.258	0.258	0.0	100	0.00
22 TMP cis-1,2-Dichloroethene	0.333	0.320	3.9	100	0.00
23 TMP Chloroform	0.539	0.586	-8.7	100	0.00
24 TMP 2-Butanone (MEK)	0.132	0.131	0.8	105	0.00
25 TMP t-Amyl methyl ether (TAME)	0.540	0.497#	8.0	100	0.00
26 TMP 1,2-Dichloroethane (EDC)	0.465	0.441	5.2	103	0.00
27 TMP 1,1,1-Trichloroethane	0.482	0.445	7.7	100	0.00
28 TMP 1,1-Dichloropropene	0.370	0.367	0.8	100	0.00
29 TMP Carbon tetrachloride	0.485	0.522	-7.6	100	0.00
30 S 1,2-Dichloroethane-d4	0.062	0.059	4.8	100	0.00
31 TMP Benzene	1.118	1.077	3.7	100	0.00
32 TMP Trichloroethene	0.367	0.343	6.5	100	0.00
33 TMP 1,2-Dichloropropane	0.241	0.223	7.5	100	0.00
34 TMP Bromodichloromethane	0.387	0.396	-2.3	100	0.00
35 S Toluene-d8	0.954	0.919	3.7	100	0.00
36 TMP Dibromomethane	0.219	0.253	-15.5	100	0.00
37 TMP 4-Methyl-2-pentanone	0.042	0.044	-4.8	104	0.00
38 TMP cis-1,3-Dichloropropene	0.360	0.357	0.8	100	0.00
39 I Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40 TMP Toluene	0.907	0.843	7.1	100	0.00
41 TMP trans-1,3-Dichloropropene	0.366	0.311	15.0	100	0.00
42 TMP 1,1,2-Trichloroethane	0.285	0.269	5.6	100	0.00
43 TMP 2-Hexanone	0.190	0.198	-4.2	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110510.D
 Acq On : 05 Nov 2022 01:07 pm
 Operator : VM
 Sample : 0.5 ppb 8260 ICAL 67-177J
 Misc : soil/water
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:17 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.457	0.450	1.5	100	-0.01
45 TMP Tetrachloroethene	0.460	0.426	7.4	100	0.00
46 TMP Dibromochloromethane	0.451	0.399	11.5	100	-0.01
47 TMP 1,2-Dibromoethane (EDB)	0.360	0.327	9.2	100	0.00
48 TMP Chlorobenzene	0.993	1.074	-8.2	100	0.00
49 TMP Ethylbenzene	1.557	1.496	3.9	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.387	0.394	-1.8	100	0.00
51 TMP m,p-Xylene	0.612	0.569	7.0	100	0.00
52 TMP o-Xylene	0.591	0.551	6.8	100	0.00
53 TMP Styrene	0.887	0.835	5.9	100	0.00
54 TMP Isopropylbenzene	1.435	1.313	8.5	100	0.00
55 TMP Bromoform	0.299	0.298	0.3	100	0.00
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	0.689	0.688	0.1	100	0.00
58 TMP n-Propylbenzene	2.700	2.749	-1.8	100	0.00
59 TMP Bromobenzene	0.837	0.806	3.7	100	0.00
60 TMP 1,3,5-Trimethylbenzene	1.968	1.888	4.1	101	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.626	0.662	-5.8	100	0.00
62 TMP 1,2,3-Trichloropropane	0.486	0.584	-20.2#	100	0.00
63 TMP 2-Chlorotoluene	1.617	1.740	-7.6	100	0.00
64 TMP 4-Chlorotoluene	1.912	2.062	-7.8	100	0.00
65 TMP tert-Butylbenzene	1.952	1.926	1.3	100	0.00
66 TMP 1,2,4-Trimethylbenzene	1.996	1.849	7.4	100	0.00
67 TMP sec-Butylbenzene	2.624	2.466	6.0	100	0.00
68 TMP p-Isopropyltoluene	2.387	2.201	7.8	100	0.00
69 TMP 1,3-Dichlorobenzene	1.530	1.548	-1.2	100	0.00
70 TMP 1,4-Dichlorobenzene	1.564	1.480	5.4	100	0.00
71 TMP 1,2-Dichlorobenzene	1.455	1.372	5.7	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	0.108	0.000#	100.0#	0#	0.00
73 TMP 1,2,4-Trichlorobenzene	0.971	0.885	8.9	100	0.00
74 TMP Hexachlorobutadiene	0.600	0.621	-3.5	100	0.00
75 TMP Naphthalene	1.833	1.592	13.1	100	0.00
76 TMP 1,2,3-Trichlorobenzene	0.846	0.785	7.2	100	0.00

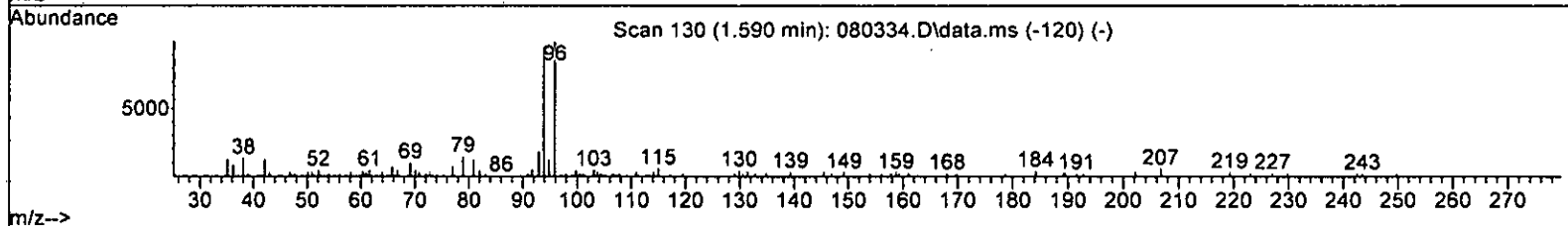
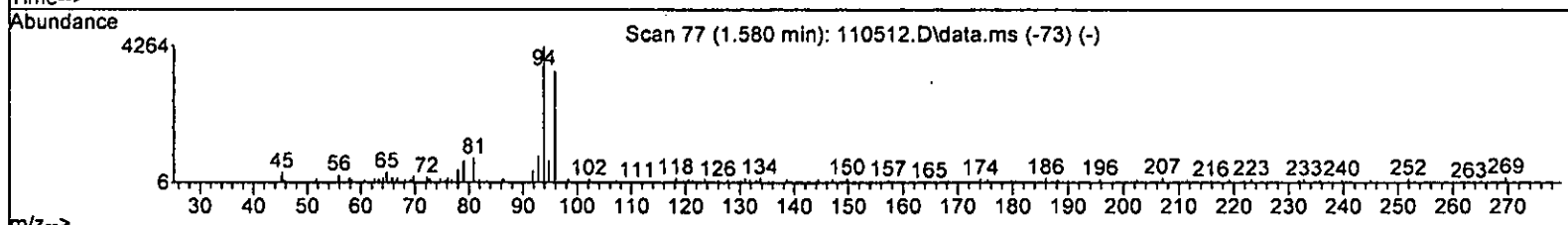
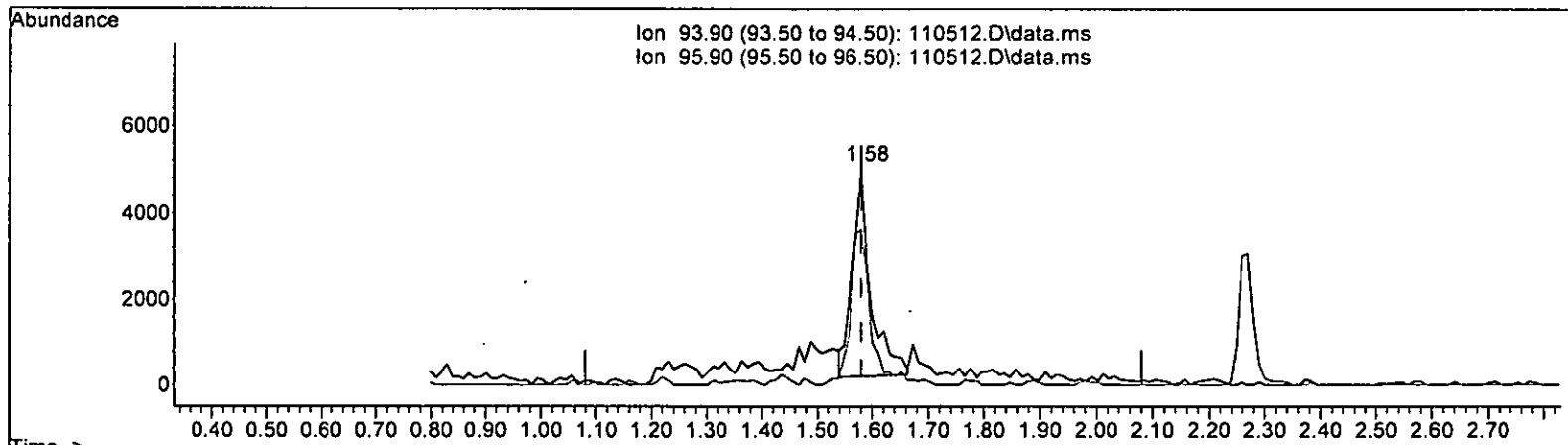
(#) = Out of Range

SPCC's out = 8 CCC's out = 0

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110512.D
 Acq On : 05 Nov 2022 01:53 pm
 Operator : VM
 Sample : 2 ppb 8260 ICAL 67-177L
 Misc : soil/water
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:21 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



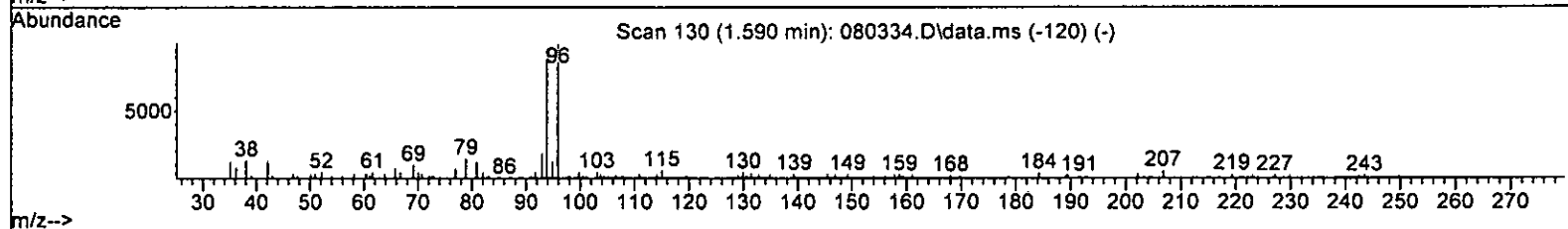
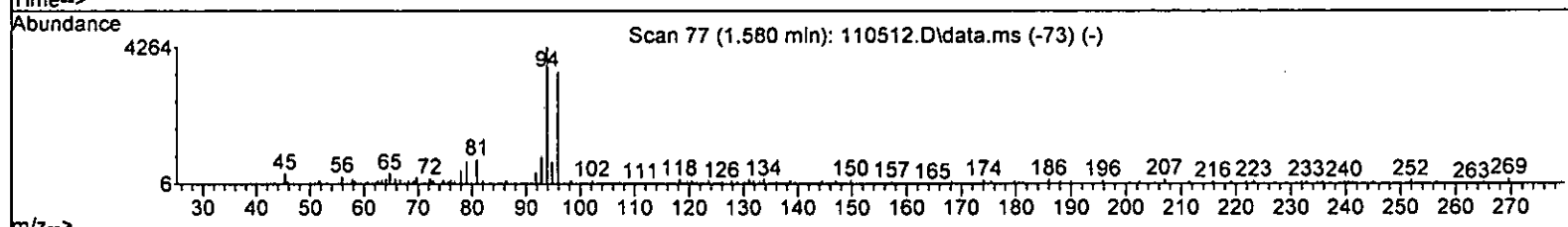
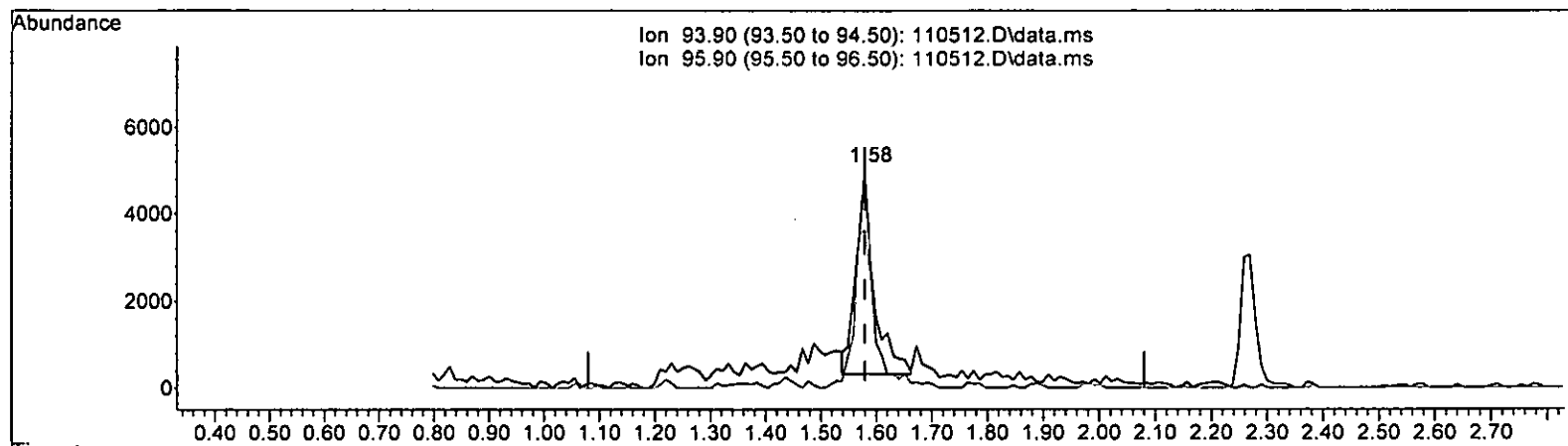
TIC: 110512.D\data.ms

(7) Bromomethane (TMP)		
Time (min)	Response	Concentration (ppb)
1.580	11183	2.389
Ion	Exp%	Act%
93.90	100.00	100.00
95.90	93.50	74.28
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110512.D
 Acq On : 05 Nov 2022 01:53 pm
 Operator : VM
 Sample : 2 ppb 8260 ICAL 67-177L
 Misc : soil/water
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:21 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



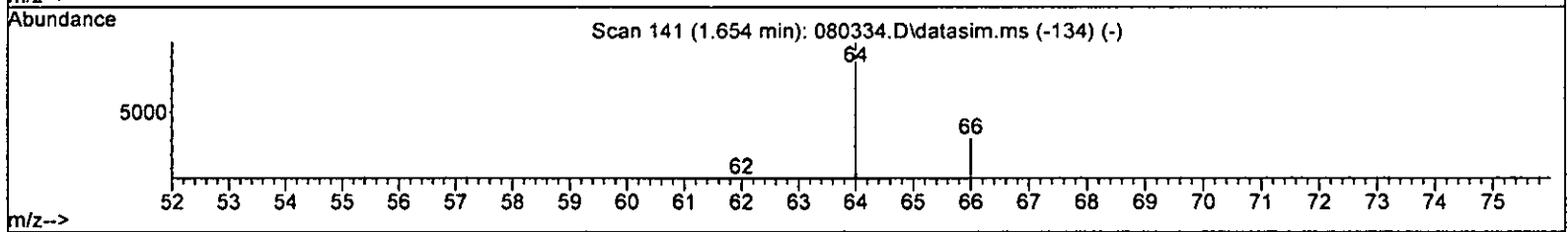
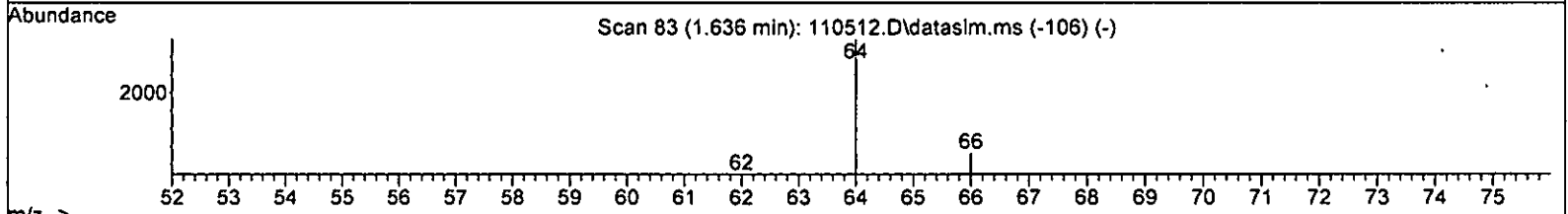
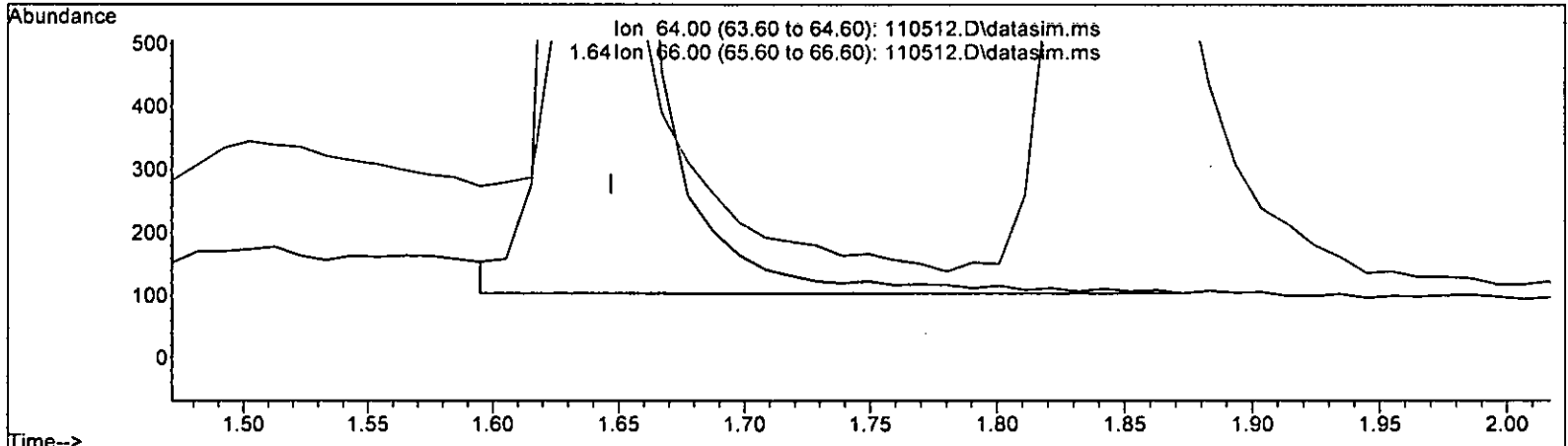
TIC: 110512.D\data.ms

(7) Bromomethane (TMP)		
1.580min (-0.000)	2.230 ppb m	
response	10442	
Ion	Exp%	Act%
93.90	100.00	100.00
95.90	93.50	71.06
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110512.D
 Acq On : 05 Nov 2022 01:53 pm
 Operator : VM
 Sample : 2 ppb 8260 ICAL 67-177L
 Misc : soil/water
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:21 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



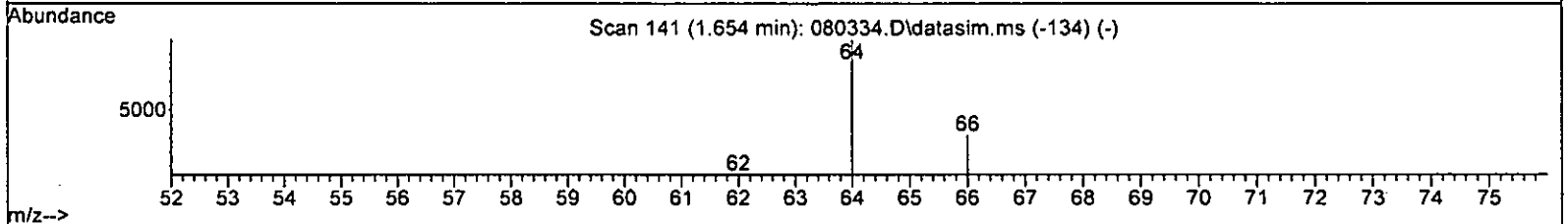
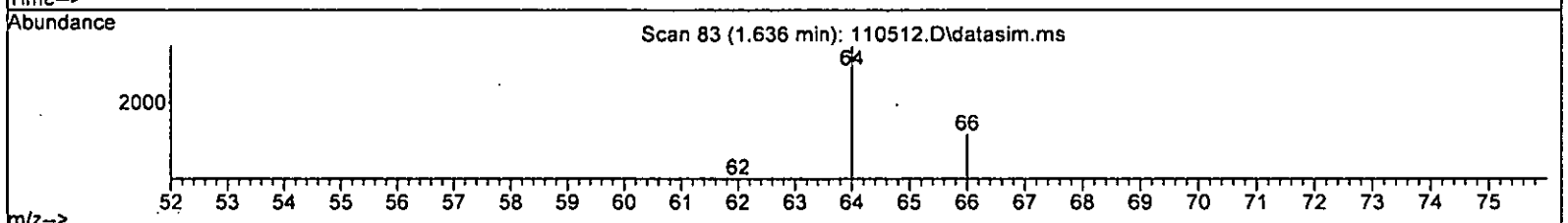
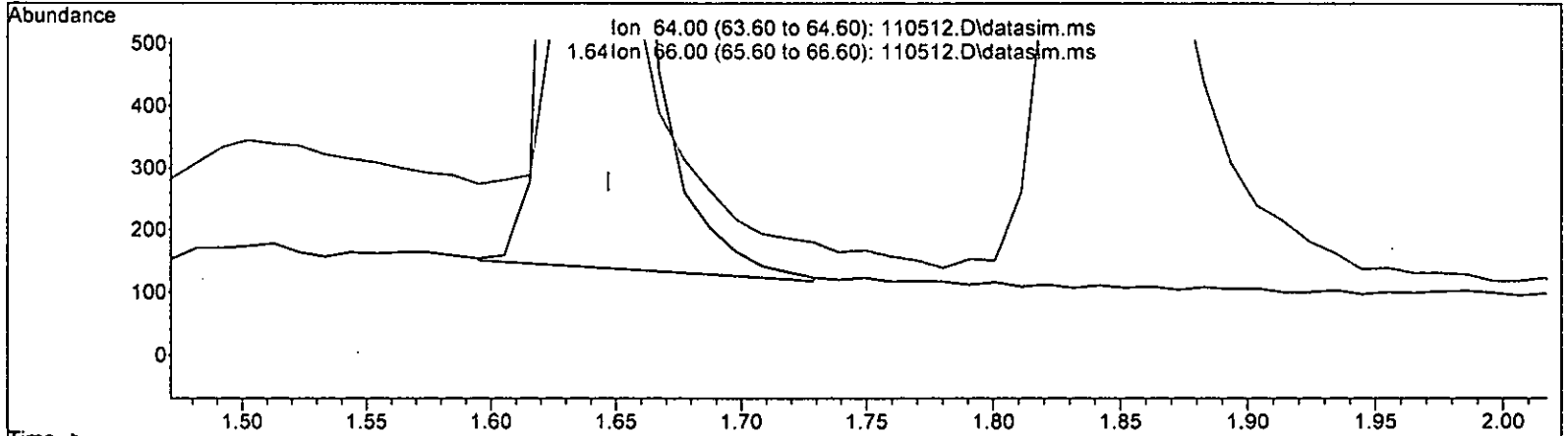
TIC: 110512.D\data.ms

(8) Chloroethane (TMP)		
1.636min (-0.011)	2.245 ppb	
response	5563	
Ion	Exp%	Act%
64.00	100.00	100.00
66.00	30.90	31.13
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110512.D
 Acq On : 05 Nov 2022 01:53 pm
 Operator : VM
 Sample : 2 ppb 8260 ICAL 67-177L
 Misc : soil/water
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:21 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 Qlast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110512.D\data.ms

(8) Chloroethane (TMP)

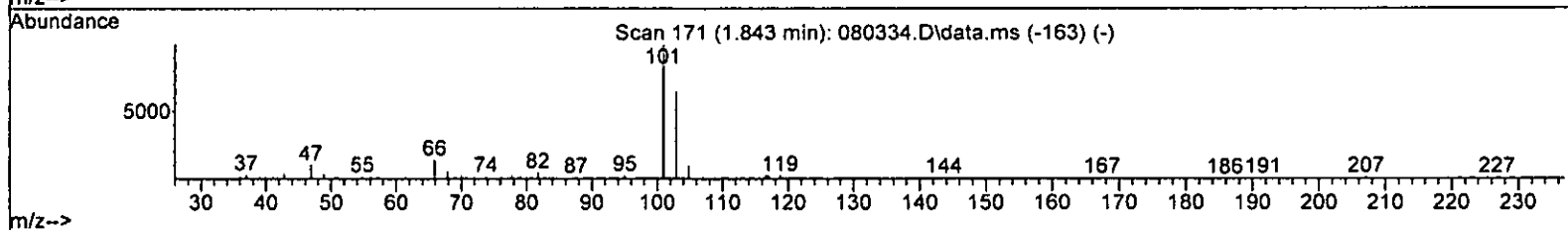
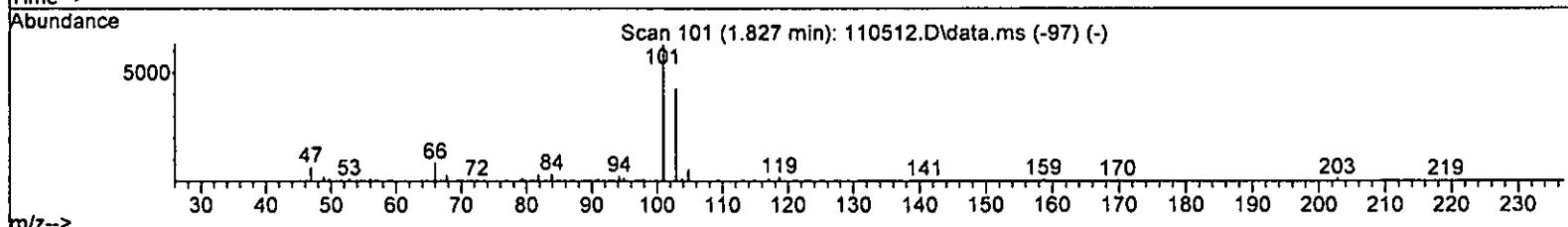
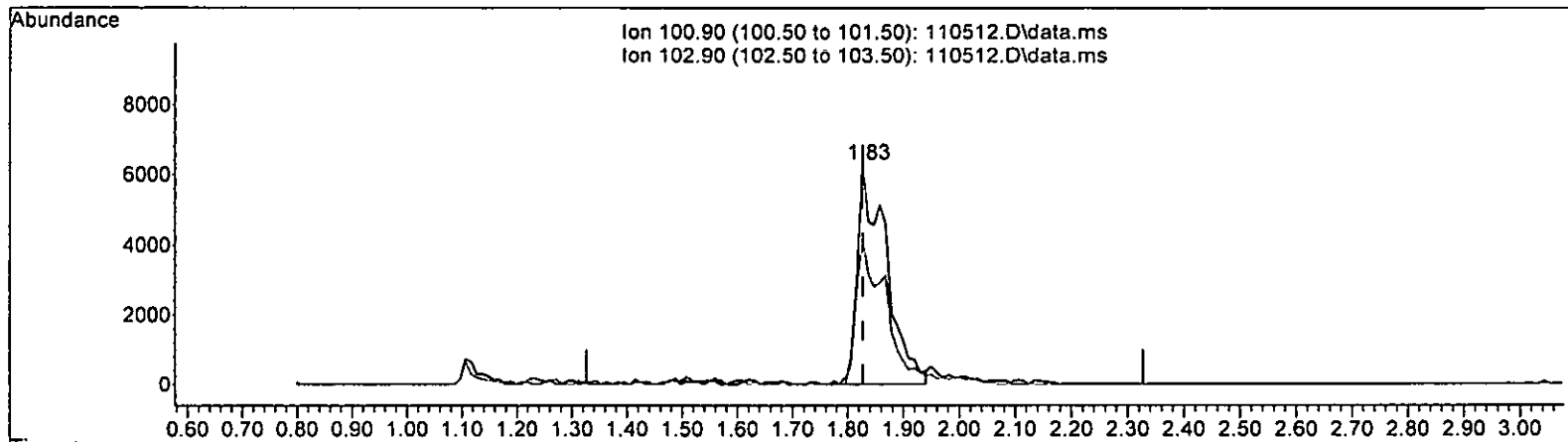
1.636min (-0.011) 2.115 ppb m

response	5241
Ion	Exp% Act%
64.00	100.00 100.00
66.00	30.90 38.46
0.00	0.00 0.00
0.00	0.00 0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110512.D
 Acq On : 05 Nov 2022 01:53 pm
 Operator : VM
 Sample : 2 ppb 8260 ICAL 67-177L
 Misc : soil/water
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:21 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110512.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.827min (-0.000) 1.844 ppb

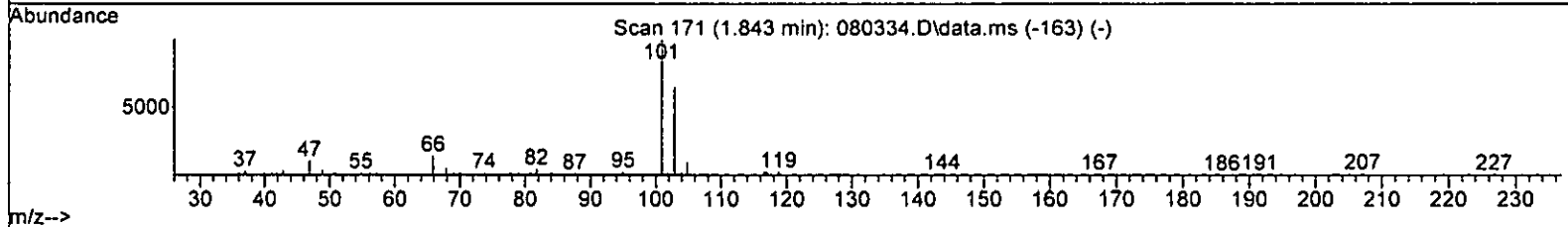
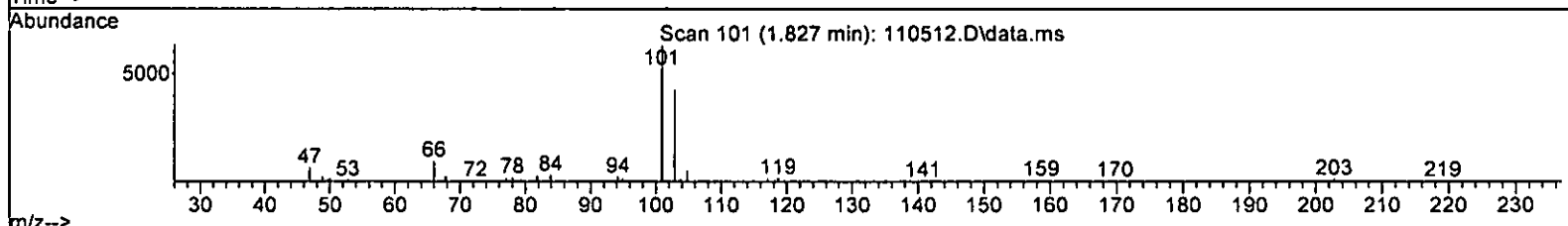
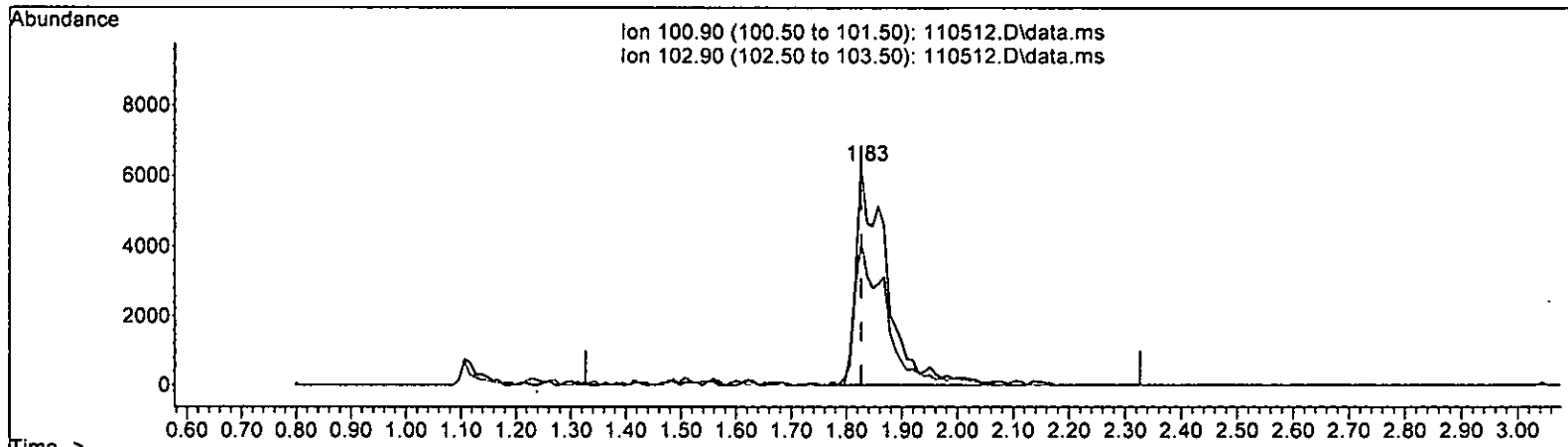
response 22448

Ion	Exp%	Act%
100.90	100.00	100.00
102.90	65.30	67.21
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110512.D
 Acq On : 05 Nov 2022 01:53 pm
 Operator : VM
 Sample : 2 ppb 8260 ICAL 67-177L
 Misc : soil/water
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:21 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110512.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.827min (-0.000) 2.100 ppb m

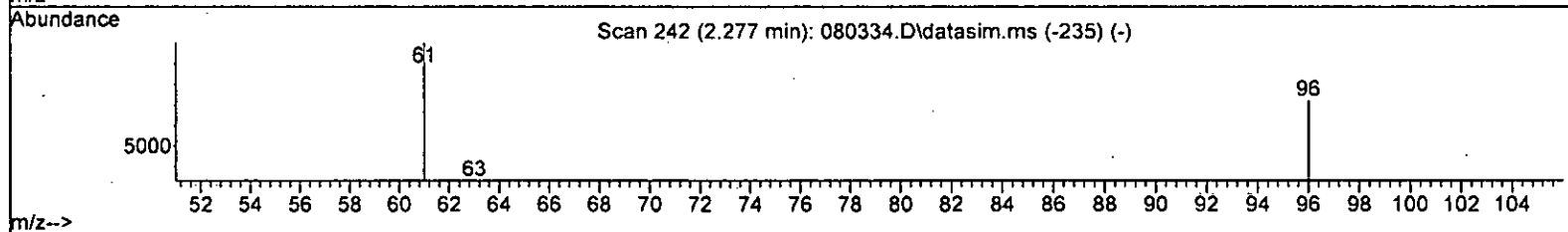
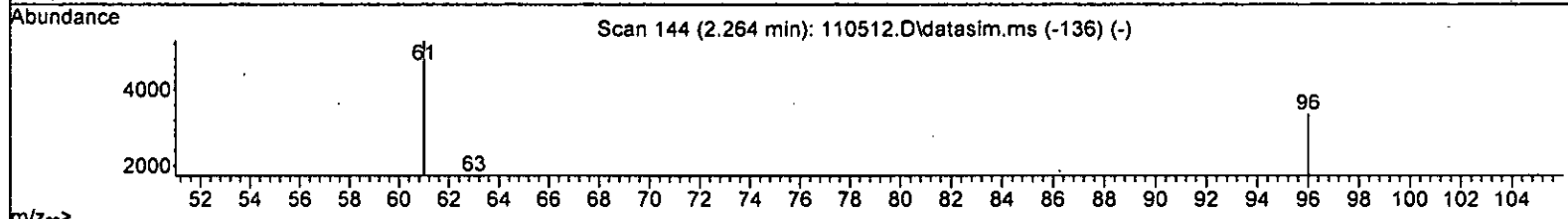
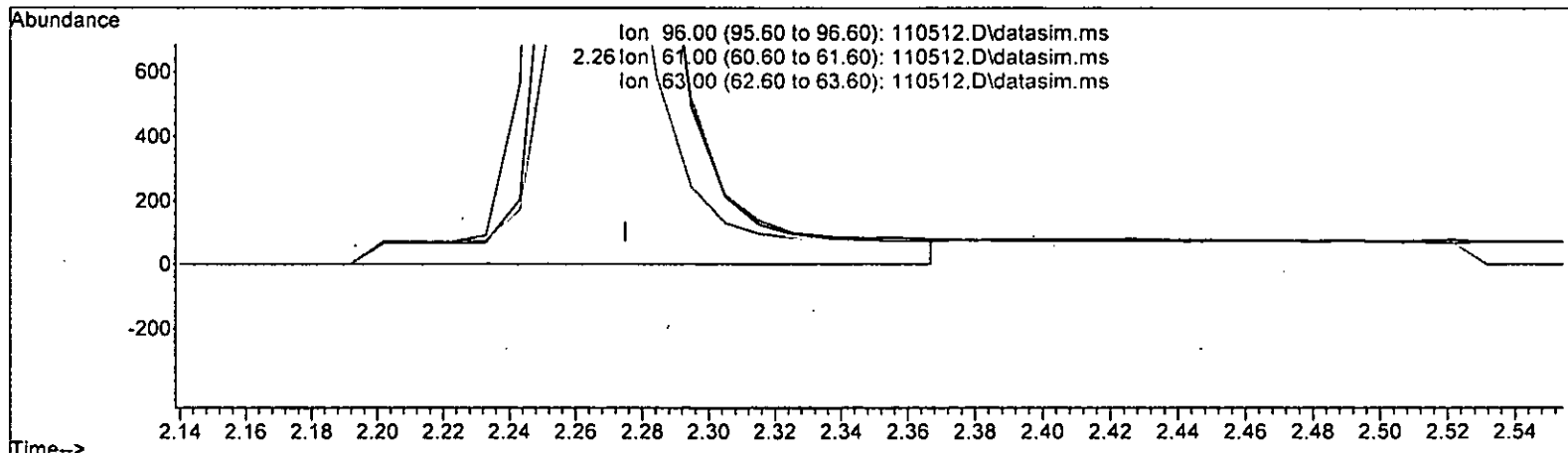
response 25555

Ion	Exp%	Act%
100.90	100.00	100.00
102.90	65.30	67.21
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110512.D
 Acq On : 05 Nov 2022 01:53 pm
 Operator : VM
 Sample : 2 ppb 8260 ICAL 67-177L
 Misc : soil/water
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:21 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110512.D\data.ms

(12) 1,1-Dichloroethene (TMP)

2.264min (-0.011) 2.133 ppb

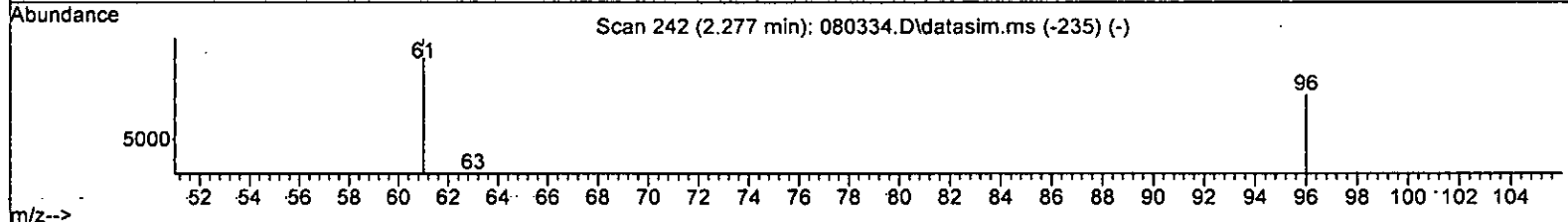
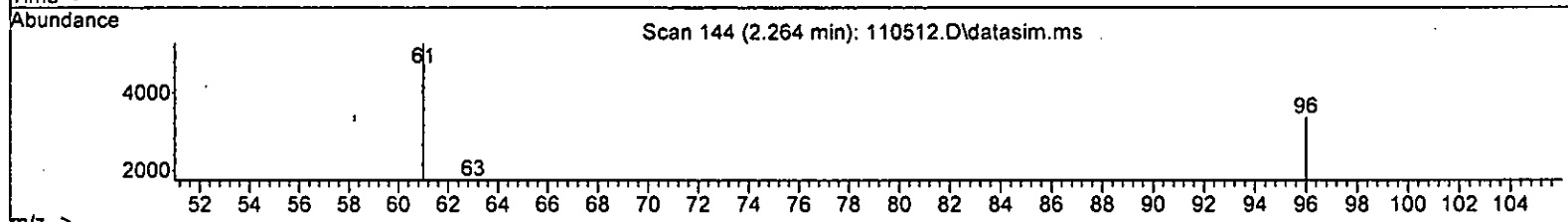
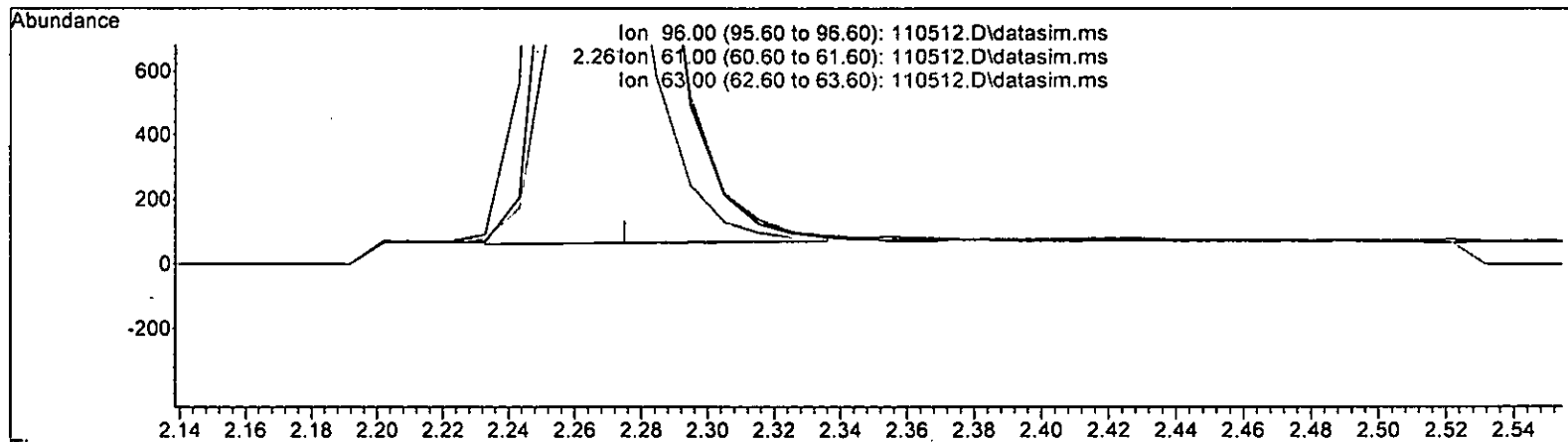
response 6584

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	120.90	157.46#
63.00	43.90	52.03
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110512.D
 Acq On : 05 Nov 2022 01:53 pm
 Operator : VM
 Sample : 2 ppb 8260 ICAL 67-177L
 Misc : soil/water
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:21 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110512.D\data.ms

(12) 1,1-Dichloroethene (TMP)
 2.264min (-0.011) 1.903 ppb m
 response 5876

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	120.90	157.46#
63.00	43.90	52.03
0.00	0.00	0.00

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110512.D
 Acq On : 05 Nov 2022 01:53 pm
 Operator : VM
 Sample : 2 ppb 8260 ICAL 67-177L
 Misc : soil/water
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:21 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) Fluorobenzene	4.73	96	108368	10.000	ppb	-0.01	
39) Chlorobenzene-d5	7.40	117	87014	10.000	ppb	0.00	
56) 1,4-Dichlorobenzene-d4	9.62	152	51026	10.000	ppb	0.00	
System Monitoring Compounds							
3) Dibromofluoromethane	4.17	113	34848	10.028	ppb	0.00	
Spiked Amount	10.000	Range	50 - 150	Recovery	=	100.30%	
30) 1,2-Dichloroethane-d4	4.45	102	6678	9.916	ppb	0.00	
Spiked Amount	10.000	Range	84 - 120	Recovery	=	99.20%	
35) Toluene-d8	6.10	98	103305	9.995	ppb	0.00	
Spiked Amount	10.000	Range	73 - 128	Recovery	=	100.00%	
57) 4-Bromofluorobenzene	8.51	95	34581	9.836	ppb	0.00	
Spiked Amount	10.000	Range	57 - 146	Recovery	=	98.40%	
Target Compounds							
2) Ethanol	2.32	45	504	No Calib			Qvalue
4) Dichlorodifluoromethane	1.11	85	16355	1.886	ppb		97
5) Chloromethane	1.25	50	10419	1.970	ppb		78
6] Vinyl chloride	1.33	62	11090	2.008	ppb		91
7) Bromomethane	1.58	94	10442m	2.230	ppb		
8] Chloroethane	1.64	64	5241m	2.115	ppb		
9) Trichlorofluoromethane	1.83	101	25555m	2.100	ppb		
10) 2-Propanol	2.32	45	504	No Calib			#
11) Acetone	2.32	58	2969	9.642	ppb		87
12] 1,1-Dichloroethene	2.26	96	5876m	1.903	ppb		
13) Hexane	3.16	57	7327	2.091	ppb		88
14) Methylene chloride	0.00		0	N.D.	d		
15) t-Butyl alcohol (TBA)	2.81	59	2736	10.519	ppb		99
16] Methyl t-butyl ether (...)	2.93	73	14632	2.028	ppb		100
17] trans-1,2-Dichloroethene	2.91	96	7244	2.099	ppb		80
18] Diisopropyl ether (DIPE)	3.35	45	14439	1.910	ppb		96
19] 1,1-Dichloroethane	3.27	63	10079	2.007	ppb		99
20) Ethyl t-butyl ether (E...)	3.66	87	5360	1.920	ppb		92
21) 2,2-Dichloropropane	3.76	77	5175	1.970	ppb		100
22] cis-1,2-Dichloroethene	3.77	96	7011	1.942	ppb		98
23) Chloroform	4.04	83	11605	1.988	ppb		97
24) 2-Butanone (MEK)	3.79	43	12571	9.053	ppb		87
25) t-Amyl methyl ether (T...)	4.61	73	10902	1.862	ppb		92
26] 1,2-Dichloroethane (EDC)	4.52	62	9366	2.093	ppb		93
27] 1,1,1-Trichloroethane	4.19	97	9931	1.902	ppb		94
28) 1,1-Dichloropropene	4.33	75	8339	2.117	ppb		95
29) Carbon tetrachloride	4.33	117	10050	1.912	ppb		97
31] Benzene	4.50	78	23794	1.963	ppb		99
32] Trichloroethene	5.05	95	7906	1.990	ppb		79
33) 1,2-Dichloropropane	5.24	63	5035	1.928	ppb		96
34) Bromodichloromethane	5.48	83	8331	1.988	ppb		99
36) Dibromomethane	5.35	93	4723	1.986	ppb		87

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110512.D
 Acq On : 05 Nov 2022 01:53 pm
 Operator : VM
 Sample : 2 ppb 8260 ICAL 67-177L
 Misc : soil/water
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS13

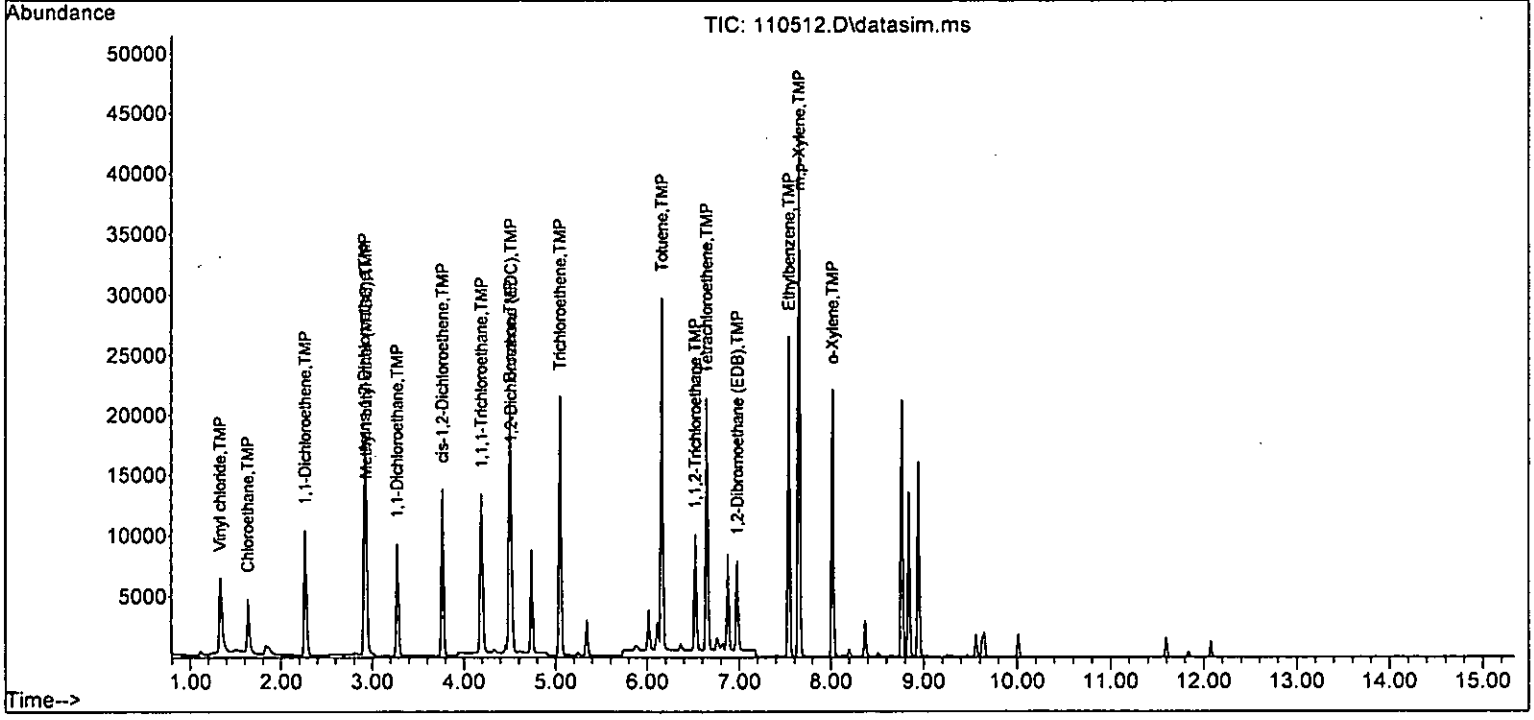
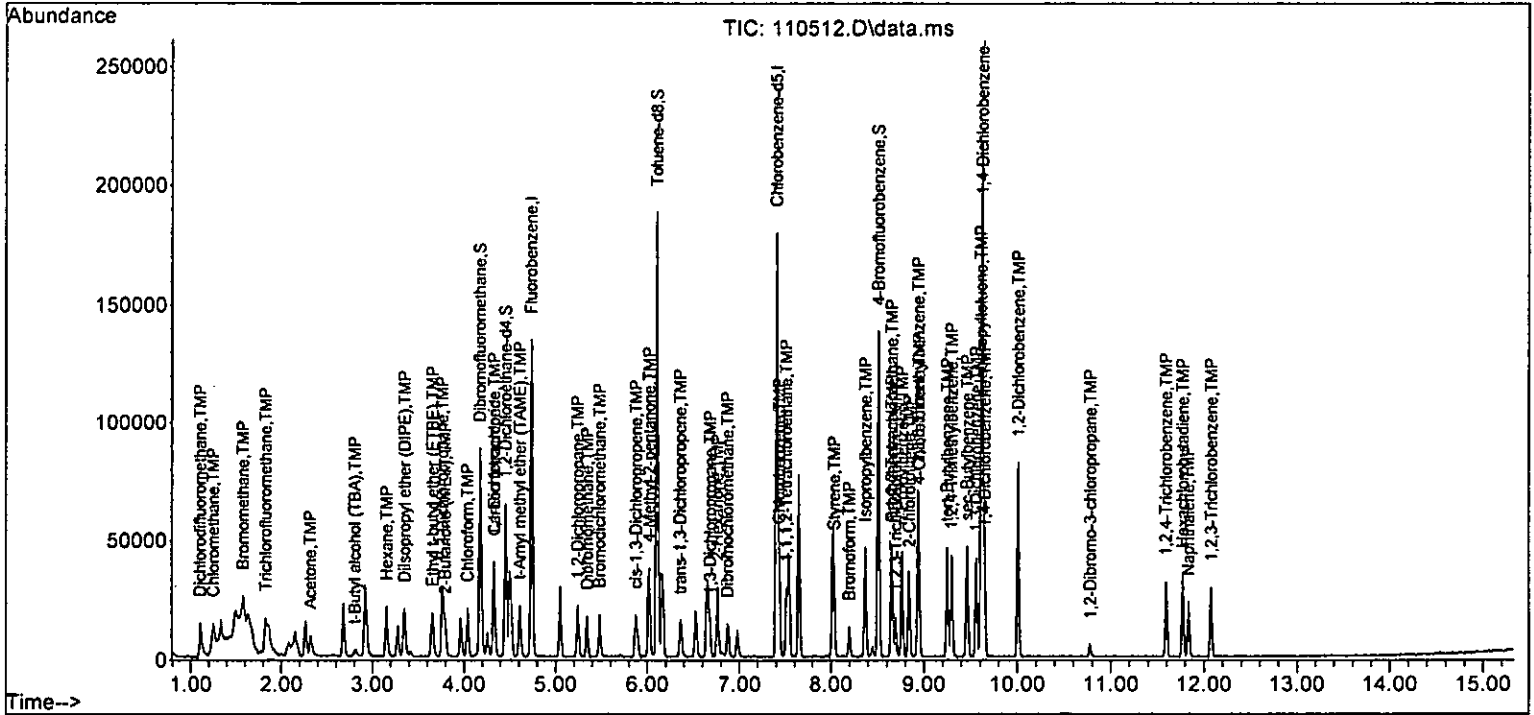
Quant Time: Nov 07 15:17:21 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	6.02	85	4592	9.988	ppb	92
38) cis-1,3-Dichloropropene	5.88	75	7183	1.841	ppb	90
40] Toluene	6.16	92	14643	2.086	ppb	98
41) trans-1,3-Dichloropropene	6.36	75	5512	1.821	ppb	86
42] 1,1,2-Trichloroethane	6.53	83	4791	2.114	ppb	91
43) 2-Hexanone	6.76	43	15983	9.690	ppb	97
44) 1,3-Dichloropropane	6.68	76	8135	2.045	ppb	95
45] Tetrachloroethene	6.65	164	7537	2.182	ppb	95
46) Dibromochloromethane	6.87	129	7274	1.932	ppb	96
47] 1,2-Dibromoethane (EDB)	6.98	107	5902	1.887	ppb	97
48) Chlorobenzene	7.43	112	17347	2.008	ppb	98
49] Ethylbenzene	7.54	91	26561	1.961	ppb	96
50] 1,1,1,2-Tetrachloroethane	7.51	131	6481	1.927	ppb	93
51] m,p-Xylene	7.65	106	20520	3.855	ppb	90
52] o-Xylene	8.02	106	9979	1.941	ppb	89
53) Styrene	8.03	104	15049	1.949	ppb	98
54) Isopropylbenzene	8.37	105	24959	1.998	ppb	88
55) Bromoform	8.20	173	4920	1.891	ppb	88
58) n-Propylbenzene	8.77	91	28670	2.081	ppb	90
59) Bromobenzene	8.65	156	8627	2.019	ppb	84
60] 1,3,5-Trimethylbenzene	8.94	105	19717	1.964	ppb	95
61) 1,1,2,2-Tetrachloroethane	8.65	83	6459	2.086	ppb	98
62) 1,2,3-Trichloropropane	8.70	75	5435	2.191	ppb	97
63) 2-Chlorotoluene	8.84	91	17398	2.109	ppb	89
64) 4-Chlorotoluene	8.95	91	19107	1.958	ppb	93
65) tert-Butylbenzene	9.25	119	19084	1.916	ppb	94
66) 1,2,4-Trimethylbenzene	9.30	105	19294	1.894	ppb	97
67) sec-Butylbenzene	9.46	105	26015	1.943	ppb	98
68) p-Isopropyltoluene	9.61	119	23218	1.906	ppb	97
69) 1,3-Dichlorobenzene	9.56	146	15492	1.985	ppb	96
70] 1,4-Dichlorobenzene	9.65	146	16442	2.060	ppb	95
71) 1,2-Dichlorobenzene	10.01	146	14649	1.974	ppb	95
72) 1,2-Dibromo-3-chloropr...	10.78	75	1202	2.183	ppb	84
73) 1,2,4-Trichlorobenzene	11.59	180	9042	1.826	ppb	87
74) Hexachlorobutadiene	11.77	225	6295	2.057	ppb	98
75) Naphthalene	11.83	128	16273	1.800	ppb	96
76) 1,2,3-Trichlorobenzene	12.08	180	8266	1.915	ppb	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110512.D
 Acq On : 05 Nov 2022 01:53 pm
 Operator : VM
 Sample : 2 ppb 8260 ICAL 67-177L
 Misc : soil/water
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:21 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth: VM080322.M



Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110512.D
 Acq On : 05 Nov 2022 01:53 pm
 Operator : VM
 Sample : 2 ppb 8260 ICAL 67-177L
 Misc : soil/water
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:21 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I Fluorobenzene	10.000	10.000	0.0	100	-0.01
2 TMP Ethanol	-1.000	0.000	0.0	0	-0.01
3 S Dibromofluoromethane	10.000	10.028	-0.3	100	0.00
4 TMP Dichlorodifluoromethane	2.000	1.886	5.7	100	-0.01
5 TMP Chloromethane	2.000	1.970	1.5	100	-0.01
6 TMP Vinyl chloride	2.000	2.008	-0.4	106	-0.01
7 TMP Bromomethane	2.000	2.230	-11.5	134	0.00
8 TMP Chloroethane	2.000	2.115	-5.8	103	-0.01
9 TMP Trichlorofluoromethane	2.000	2.100	-5.0	100	0.00
10 TMP 2-Propanol	-1.000	0.000	0.0	0	-0.01
11 TMP Acetone	10.000	9.642	3.6	100	-0.01
12 TMP 1,1-Dichloroethene	2.000	1.903	4.8	100	-0.01
13 TMP Hexane	2.000	2.091	-4.6	100	0.00
14 TMP Methylene chloride	-1.000	0.000	0.0	0	-2.68#
15 TMP t-Butyl alcohol (TBA)	10.000	10.519	-5.2	100	-0.01
16 TMP Methyl t-butyl ether (MTBE)	2.000	2.028	-1.4	103	0.00
17 TMP trans-1,2-Dichloroethene	2.000	2.099	-5.0	109	-0.01
18 TMP Diisopropyl ether (DIPE)	2.000	1.910	4.5	100	0.00
19 TMP 1,1-Dichloroethane	2.000	2.007	-0.4	100	0.00
20 TMP Ethyl t-butyl ether (ETBE)	2.000	1.920	4.0	100	0.00
21 TMP 2,2-Dichloropropane	2.000	1.970	1.5	100	-0.01
22 TMP cis-1,2-Dichloroethene	2.000	1.942	2.9	100	0.00
23 TMP Chloroform	2.000	1.988	0.6	100	0.00
24 TMP 2-Butanone (MEK)	10.000	9.053	9.5	100	0.00
25 TMP t-Amyl methyl ether (TAME)	2.000	1.862	6.9	100	0.00
26 TMP 1,2-Dichloroethane (EDC)	2.000	2.093	-4.6	100	-0.01
27 TMP 1,1,1-Trichloroethane	2.000	1.902	4.9	100	0.00
28 TMP 1,1-Dichloropropene	2.000	2.117	-5.8	100	0.00
29 TMP Carbon tetrachloride	2.000	1.912	4.4	100	0.00
30 S 1,2-Dichloroethane-d4	10.000	9.916	0.8	100	0.00
31 TMP Benzene	2.000	1.963	1.8	100	0.00
32 TMP Trichloroethene	2.000	1.990	0.5	100	0.00
33 TMP 1,2-Dichloropropane	2.000	1.928	3.6	100	0.00
34 TMP Bromodichloromethane	2.000	1.988	0.6	100	0.00
35 S Toluene-d8	10.000	9.995	0.1	100	0.00
36 TMP Dibromomethane	2.000	1.986	0.7	100	0.00
37 TMP 4-Methyl-2-pentanone	10.000	9.988	0.1	100	0.00
38 TMP cis-1,3-Dichloropropene	2.000	1.841	8.0	100	0.00
39 I Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40 TMP Toluene	2.000	2.086	-4.3	100	0.00
41 TMP trans-1,3-Dichloropropene	2.000	1.821	9.0	100	0.00
42 TMP 1,1,2-Trichloroethane	2.000	2.114	-5.7	100	0.00
43 TMP 2-Hexanone	10.000	9.690	3.1	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110512.D
 Acq On : 05 Nov 2022 01:53 pm
 Operator : VM
 Sample : 2 ppb 8260 ICAL 67-177L
 Misc : soil/water
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:21 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	2.000	2.045	-2.2	100	0.00
45 TMP Tetrachloroethene	2.000	2.182	-9.1	100	0.00
46 TMP Dibromochloromethane	2.000	1.932	3.4	100	-0.01
47 TMP 1,2-Dibromoethane (EDB)	2.000	1.887	5.6	100	0.00
48 TMP Chlorobenzene	2.000	2.008	-0.4	100	0.00
49 TMP Ethylbenzene	2.000	1.961	1.9	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	2.000	1.927	3.6	100	0.00
51 TMP m,p-Xylene	4.000	3.855	3.6	100	0.00
52 TMP o-Xylene	2.000	1.941	2.9	100	0.00
53 TMP Styrene	2.000	1.949	2.5	100	0.00
54 TMP Isopropylbenzene	2.000	1.998	0.1	100	0.00
55 TMP Bromoform	2.000	1.891	5.4	100	0.00
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	10.000	9.836	1.6	100	0.00
58 TMP n-Propylbenzene	2.000	2.081	-4.0	100	0.00
59 TMP Bromobenzene	2.000	2.019	-1.0	100	0.00
60 TMP 1,3,5-Trimethylbenzene	2.000	1.964	1.8	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	2.000	2.086	-4.3	100	0.00
62 TMP 1,2,3-Trichloropropane	2.000	2.191	-9.5	100	0.00
63 TMP 2-Chlorotoluene	2.000	2.109	-5.4	100	0.00
64 TMP 4-Chlorotoluene	2.000	1.958	2.1	100	0.00
65 TMP tert-Butylbenzene	2.000	1.916	4.2	100	0.00
66 TMP 1,2,4-Trimethylbenzene	2.000	1.894	5.3	100	0.00
67 TMP sec-Butylbenzene	2.000	1.943	2.8	100	0.00
68 TMP p-Isopropyltoluene	2.000	1.906	4.7	100	0.00
69 TMP 1,3-Dichlorobenzene	2.000	1.985	0.7	100	0.00
70 TMP 1,4-Dichlorobenzene	2.000	2.060	-3.0	100	0.00
71 TMP 1,2-Dichlorobenzene	2.000	1.974	1.3	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	2.000	2.183	-9.1	100	0.00
73 TMP 1,2,4-Trichlorobenzene	2.000	1.826	8.7	100	0.00
74 TMP Hexachlorobutadiene	2.000	2.057	-2.8	100	0.00
75 TMP Naphthalene	2.000	1.800	10.0	100	0.00
76 TMP 1,2,3-Trichlorobenzene	2.000	1.915	4.2	100	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110512.D
 Acq On : 05 Nov 2022 01:53 pm
 Operator : VM
 Sample : 2 ppb 8260 ICAL 67-177L
 Misc : soil/water
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:21 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	1.000	1.000	0.0	100	-0.01
2 TMP	Ethanol	0.000	0.000#	0.0	0#	-0.01
3 S	Dibromofluoromethane	0.321	0.322	-0.3	100	0.00
4 TMP	Dichlorodifluoromethane	0.800	0.755	5.6	100	-0.01
5 TMP	Chloromethane	0.488	0.481	1.4	100	-0.01
6 TMP	Vinyl chloride	0.510	0.512	-0.4	106	-0.01
7 TMP	Bromomethane	0.432	0.482	-11.6	134	0.00
8 TMP	Chloroethane	0.229	0.242	-5.7	103	-0.01
9 TMP	Trichlorofluoromethane	1.123	1.179	-5.0	100	0.00
10 TMP	2-Propanol	0.000	0.000	0.0	0#	-0.01
11 TMP	Acetone	0.029	0.027	6.9	100	-0.01
12 TMP	1,1-Dichloroethene	0.285	0.271	4.9	100	-0.01
13 TMP	Hexane	0.323	0.338	-4.6	100	0.00
14 TMP	Methylene chloride	0.289	0.000#	100.0#	0#	-2.68#
15 TMP	t-Butyl alcohol (TBA)	0.024	0.025#	-4.2	100	-0.01
16 TMP	Methyl t-butyl ether (MTBE)	0.666	0.675	-1.4	103	0.00
17 TMP	trans-1,2-Dichloroethene	0.318	0.334	-5.0	109	-0.01
18 TMP	Diisopropyl ether (DIPE)	0.698	0.666	4.6	100	0.00
19 TMP	1,1-Dichloroethane	0.463	0.465	-0.4	100	0.00
20 TMP	Ethyl t-butyl ether (ETBE)	0.258	0.247	4.3	100	0.00
21 TMP	2,2-Dichloropropane	0.258	0.239	7.4	100	-0.01
22 TMP	cis-1,2-Dichloroethene	0.333	0.323	3.0	100	0.00
23 TMP	Chloroform	0.539	0.535	0.7	100	0.00
24 TMP	2-Butanone (MEK)	0.132	0.116	12.1	100	0.00
25 TMP	t-Amyl methyl ether (TAME)	0.540	0.503	6.9	100	0.00
26 TMP	1,2-Dichloroethane (EDC)	0.465	0.432	7.1	100	-0.01
27 TMP	1,1,1-Trichloroethane	0.482	0.458	5.0	100	0.00
28 TMP	1,1-Dichloropropene	0.370	0.385	-4.1	100	0.00
29 TMP	Carbon tetrachloride	0.485	0.464	4.3	100	0.00
30 S	1,2-Dichloroethane-d4	0.062	0.062	0.0	100	0.00
31 TMP	Benzene	1.118	1.098	1.8	100	0.00
32 TMP	Trichloroethene	0.367	0.365	0.5	100	0.00
33 TMP	1,2-Dichloropropane	0.241	0.232	3.7	100	0.00
34 TMP	Bromodichloromethane	0.387	0.384	0.8	100	0.00
35 S	Toluene-d8	0.954	0.953	0.1	100	0.00
36 TMP	Dibromomethane	0.219	0.218	0.5	100	0.00
37 TMP	4-Methyl-2-pentanone	0.042	0.042	0.0	100	0.00
38 TMP	cis-1,3-Dichloropropene	0.360	0.331	8.1	100	0.00
39 I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40 TMP	Toluene	0.907	0.841	7.3	100	0.00
41 TMP	trans-1,3-Dichloropropene	0.366	0.317	13.4	100	0.00
42 TMP	1,1,2-Trichloroethane	0.285	0.275	3.5	100	0.00
43 TMP	2-Hexanone	0.190	0.184	3.2	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110512.D
 Acq On : 05 Nov 2022 01:53 pm
 Operator : VM
 Sample : 2 ppb 8260 ICAL 67-177L
 Misc : soil/water
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:21 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.457	0.467	-2.2	100	0.00
45 TMP Tetrachloroethene	0.460	0.433	5.9	100	0.00
46 TMP Dibromochloromethane	0.451	0.418	7.3	100	-0.01
47 TMP 1,2-Dibromoethane (EDB)	0.360	0.339	5.8	100	0.00
48 TMP Chlorobenzene	0.993	0.997	-0.4	100	0.00
49 TMP Ethylbenzene	1.557	1.526	2.0	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.387	0.372	3.9	100	0.00
51 TMP m,p-Xylene	0.612	0.590	3.6	100	0.00
52 TMP o-Xylene	0.591	0.573	3.0	100	0.00
53 TMP Styrene	0.887	0.865	2.5	100	0.00
54 TMP Isopropylbenzene	1.435	1.434	0.1	100	0.00
55 TMP Bromoform	0.299	0.283	5.4	100	0.00
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	0.689	0.678	1.6	100	0.00
58 TMP n-Propylbenzene	2.700	2.809	-4.0	100	0.00
59 TMP Bromobenzene	0.837	0.845	-1.0	100	0.00
60 TMP 1,3,5-Trimethylbenzene	1.968	1.932	1.8	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.626	0.633	-1.1	100	0.00
62 TMP 1,2,3-Trichloropropane	0.486	0.533	-9.7	100	0.00
63 TMP 2-Chlorotoluene	1.617	1.705	-5.4	100	0.00
64 TMP 4-Chlorotoluene	1.912	1.872	2.1	100	0.00
65 TMP tert-Butylbenzene	1.952	1.870	4.2	100	0.00
66 TMP 1,2,4-Trimethylbenzene	1.996	1.891	5.3	100	0.00
67 TMP sec-Butylbenzene	2.624	2.549	2.9	100	0.00
68 TMP p-Isopropyltoluene	2.387	2.275	4.7	100	0.00
69 TMP 1,3-Dichlorobenzene	1.530	1.518	0.8	100	0.00
70 TMP 1,4-Dichlorobenzene	1.564	1.611	-3.0	100	0.00
71 TMP 1,2-Dichlorobenzene	1.455	1.435	1.4	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	0.108	0.118	-9.3	100	0.00
73 TMP 1,2,4-Trichlorobenzene	0.971	0.886	8.8	100	0.00
74 TMP Hexachlorobutadiene	0.600	0.617	-2.8	100	0.00
75 TMP Naphthalene	1.833	1.595	13.0	100	0.00
76 TMP 1,2,3-Trichlorobenzene	0.846	0.810	4.3	100	0.00

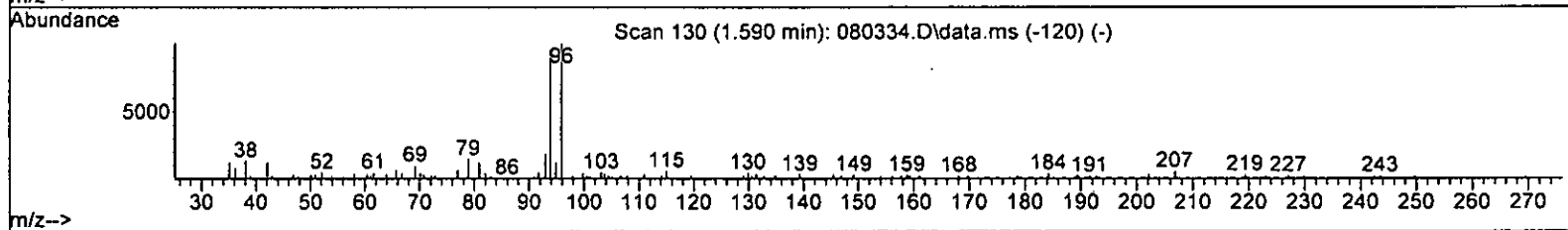
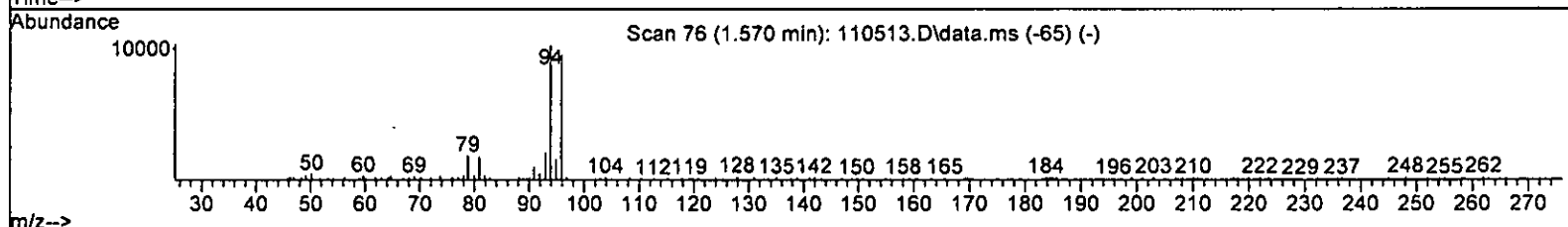
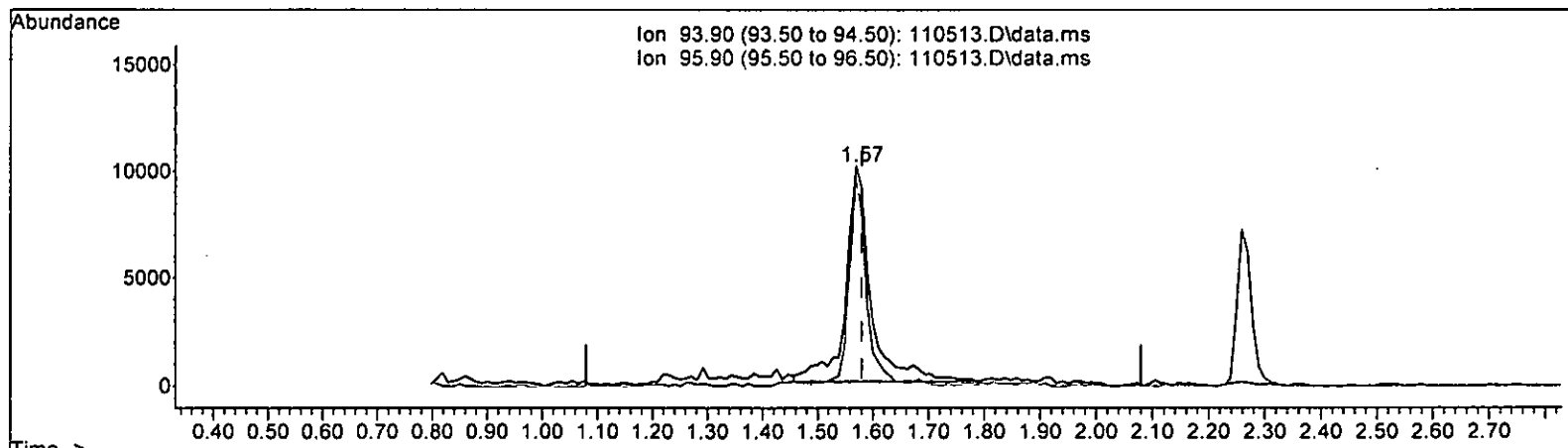
(#) = Out of Range

SPCC's out = 3 CCC's out = 0

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110513.D
 Acq On : 05 Nov 2022 02:16 pm
 Operator : VM
 Sample : 5 ppb 8260 ICAL 67-177M
 Misc : soil/water
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:23 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110513.D\data.ms

(7) Bromomethane (TMP)

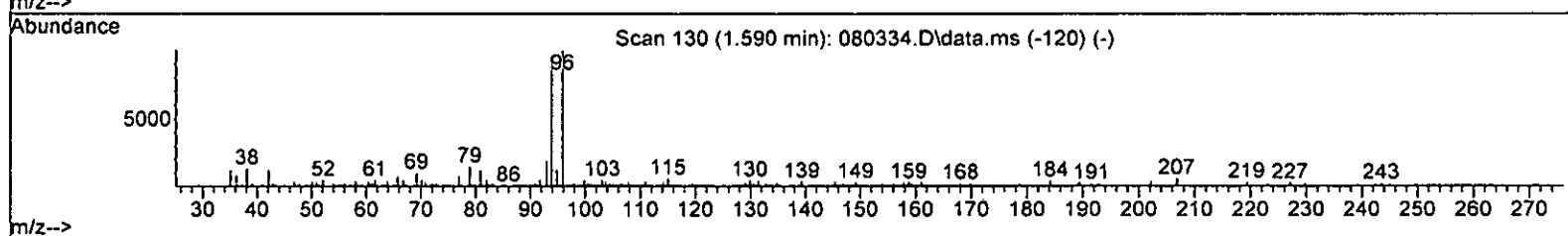
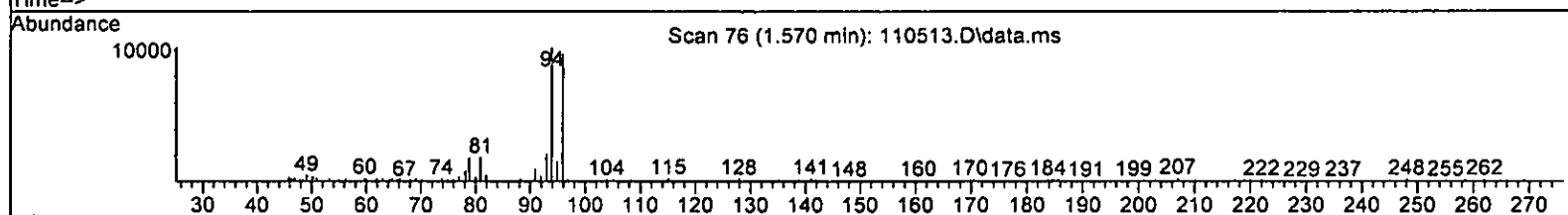
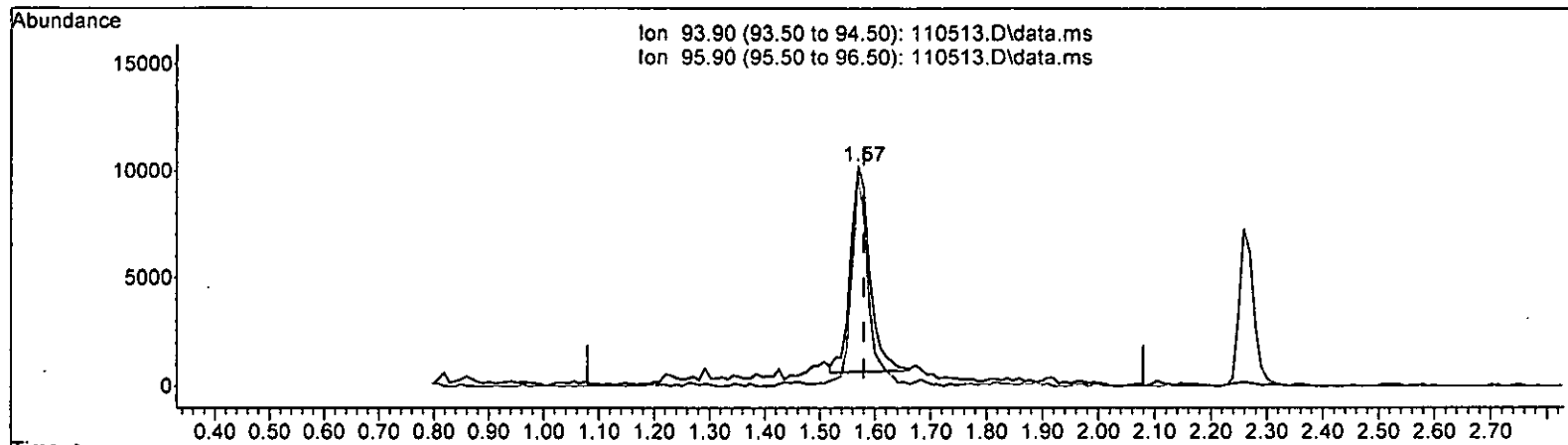
1.570min (-0.010) 6.638 ppb

response	31464
Ion	Exp% Act%
93.90	100.00 100.00
95.90	93.50 95.95
0.00	0.00 0.00
0.00	0.00 0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110513.D
 Acq On : 05 Nov 2022 02:16 pm
 Operator : VM
 Sample : 5 ppb 8260 ICAL 67-177M
 Misc : soil/water
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:23 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110513.D\data.ms

(7) Bromomethane (TMP)

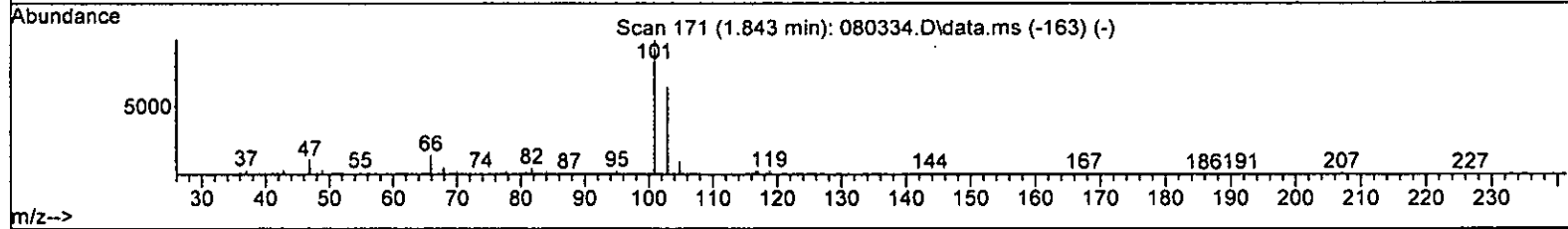
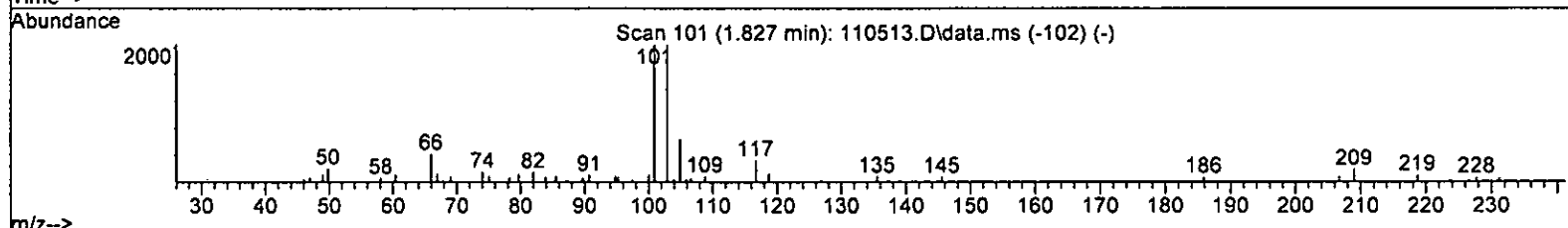
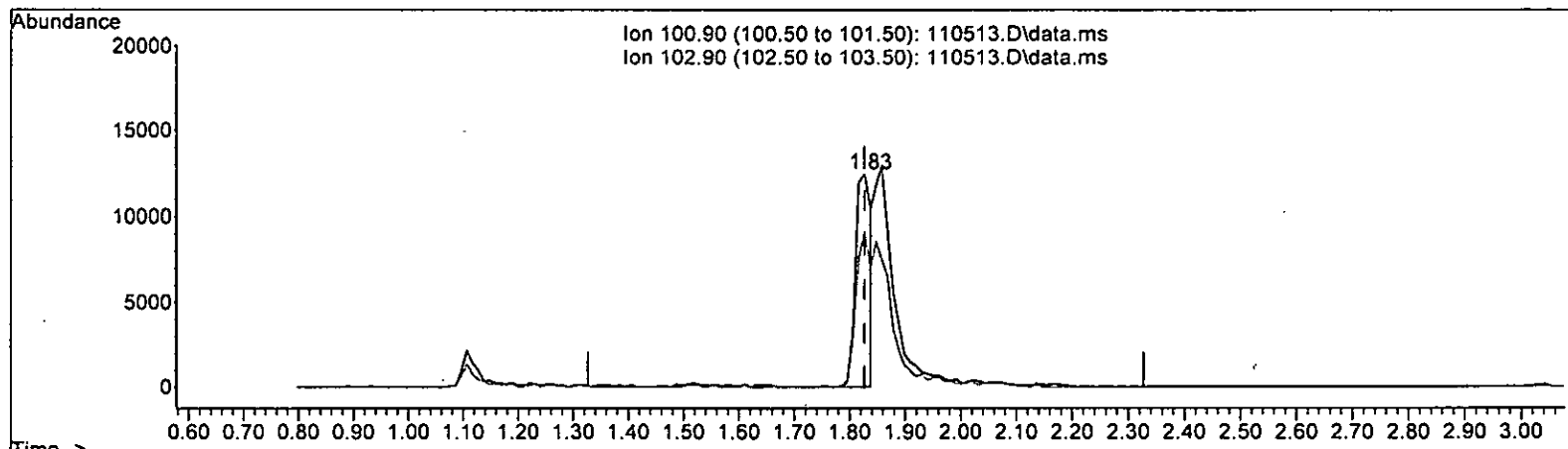
1.570min (-0.010) 4.882 ppb m

response	23141
Ion	Exp% Act%
93.90	100.00 100.00
95.90	93.50 94.58
0.00	0.00 0.00
0.00	0.00 0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110513.D
 Acq On : 05 Nov 2022 02:16 pm
 Operator : VM
 Sample : 5 ppb 8260 ICAL 67-177M
 Misc : soil/water
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:23 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110513.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.827min (-0.000) 1.929 ppb

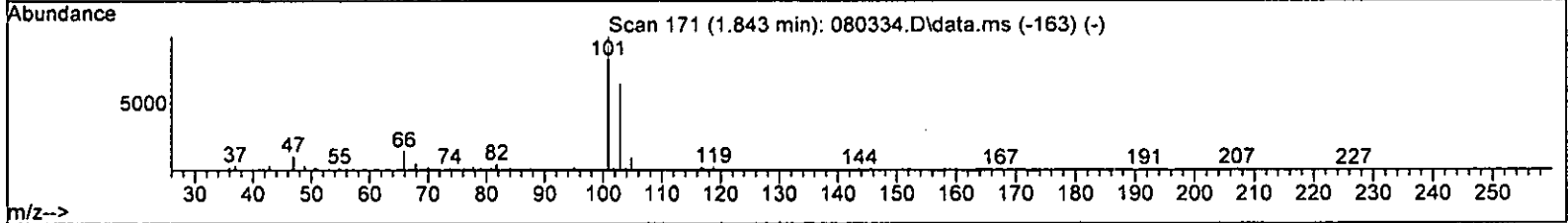
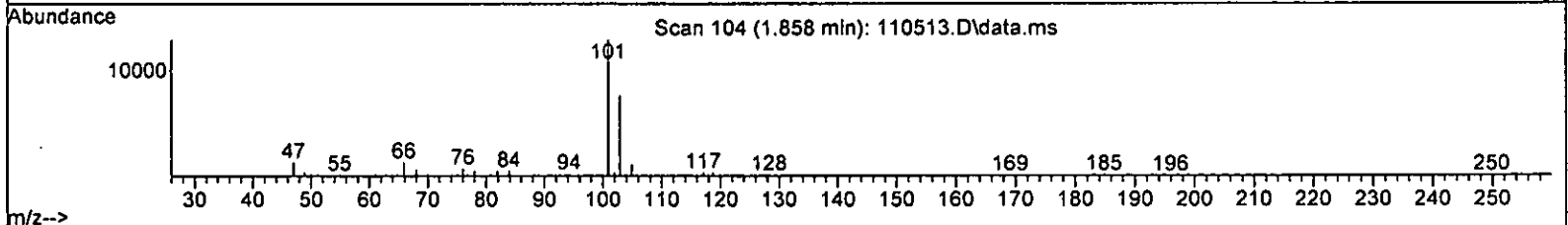
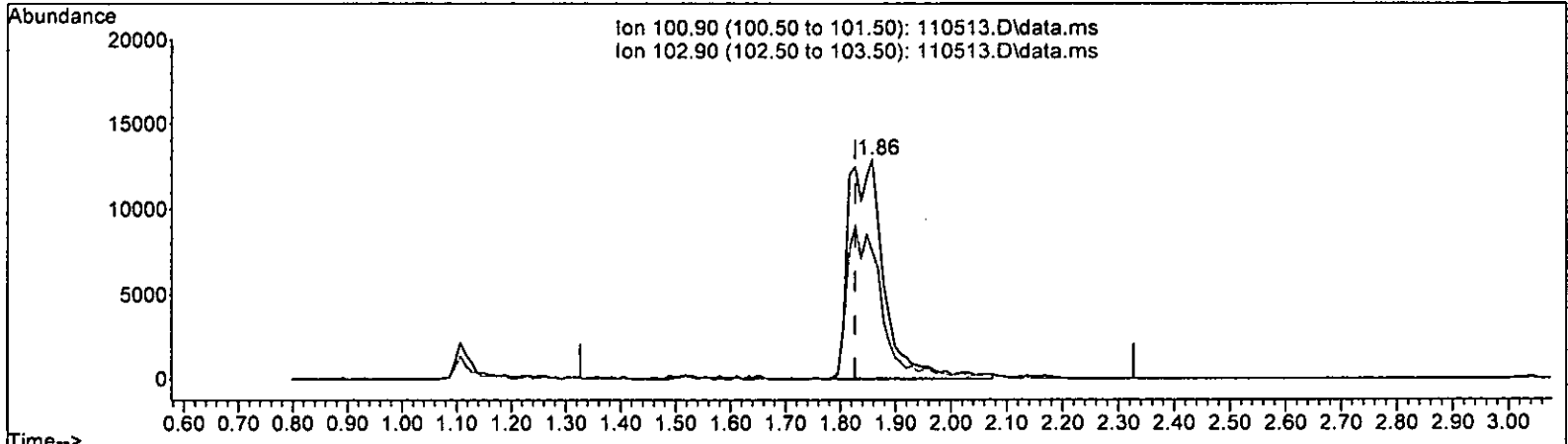
response 23763

Ion	Exp%	Act%
100.90	100.00	100.00
102.90	65.30	72.85
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110513.D
 Acq On : 05 Nov 2022 02:16 pm
 Operator : VM
 Sample : 5 ppb 8260 ICAL 67-177M
 Misc : soil/water
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:23 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110513.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.858min (+ 0.031) 4.960 ppb m

response 61115

Ion	Exp%	Act%
100.90	100.00	100.00
102.90	65.30	58.38
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110513.D
 Acq On : 05 Nov 2022 02:16 pm
 Operator : VM
 Sample : 5 ppb 8260 ICAL 67-177M
 Misc : soil/water
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:23 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	4.73	96	109707	10.000	ppb	-0.01
39) Chlorobenzene-d5	7.40	117	88629	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	50120	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.17	113	34176	9.714	ppb	0.00
Spiked Amount	10.000	Range	50 - 150	Recovery	=	97.10%
30) 1,2-Dichloroethane-d4	4.45	102	6631	9.726	ppb	0.00
Spiked Amount	10.000	Range	84 - 120	Recovery	=	97.30%
35) Toluene-d8	6.11	98	103918	9.932	ppb	0.00
Spiked Amount	10.000	Range	73 - 128	Recovery	=	99.30%
57) 4-Bromofluorobenzene	8.51	95	34646	10.032	ppb	0.00
Spiked Amount	10.000	Range	57 - 146	Recovery	=	100.30%
Target Compounds						
						Qvalue
2) Ethanol	2.33	45	365	No Calib		
4) Dichlorodifluoromethane	1.11	85	39970	4.554	ppb	97
5) Chloromethane	1.25	50	25956	4.847	ppb	97
6] Vinyl chloride	1.33	62	26239	4.692	ppb	94
7) Bromomethane	1.57	94	23141m	4.882	ppb	
8] Chloroethane	1.64	64	12441	4.959	ppb	97
9) Trichlorofluoromethane	1.86	101	61115m	4.960	ppb	
10] 2-Propanol	2.33	45	365	No Calib	#	
11) Acetone	2.33	58	6296	21.279	ppb	# 86
12] 1,1-Dichloroethene	2.26	96	14896	4.766	ppb	84
13) Hexane	3.16	57	16668	4.700	ppb	95
14) Methylene chloride	2.68	84	17937	4.905	ppb	94
15) t-Butyl alcohol (TBA)	2.82	59	5799	22.023	ppb	82
16] Methyl t-butyl ether (...)	2.93	73	34475	4.720	ppb	99
17] trans-1,2-Dichloroethene	2.91	96	16527	4.730	ppb	83
18) Diisopropyl ether (DIPE)	3.35	45	35750	4.670	ppb	96
19] 1,1-Dichloroethane	3.27	63	23872	4.696	ppb	97
20] Ethyl t-butyl ether (E...)	3.65	87	12223	4.325	ppb	# 76
21) 2,2-Dichloropropane	3.76	77	11875	4.501	ppb	91
22] cis-1,2-Dichloroethene	3.77	96	17811	4.873	ppb	96
23) Chloroform	4.04	83	28521	4.827	ppb	100
24) 2-Butanone (MEK)	3.79	43	26467	19.098	ppb	97
25) t-Amyl methyl ether (T...)	4.61	73	26822	4.524	ppb	93
26] 1,2-Dichloroethane (EDC)	4.52	62	22233	4.963	ppb	92
27] 1,1,1-Trichloroethane	4.19	97	23900	4.521	ppb	94
28) 1,1-Dichloropropene	4.33	75	19020	4.792	ppb	94
29) Carbon tetrachloride	4.33	117	23496	4.415	ppb	98
31] Benzene	4.50	78	56905	4.638	ppb	100
32] Trichloroethene	5.05	95	18837	4.685	ppb	# 78
33) 1,2-Dichloropropane	5.24	63	12455	4.712	ppb	96
34) Bromodichloromethane	5.48	83	19920	4.697	ppb	91
36) Dibromomethane	5.34	93	10758	4.468	ppb	89

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110513.D
 Acq On : 05 Nov 2022 02:16 pm
 Operator : VM
 Sample : 5 ppb 8260 ICAL 67-177M
 Misc : soil/water
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS13

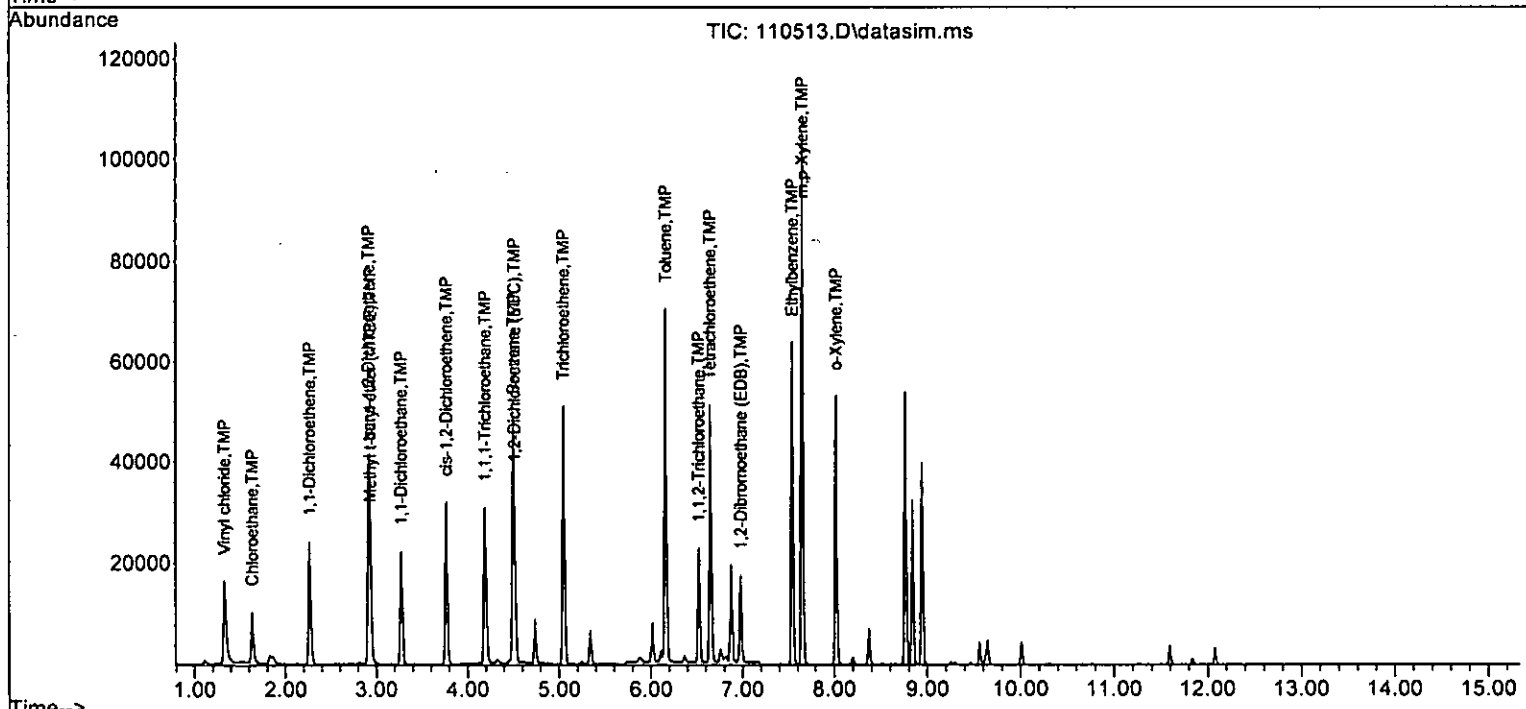
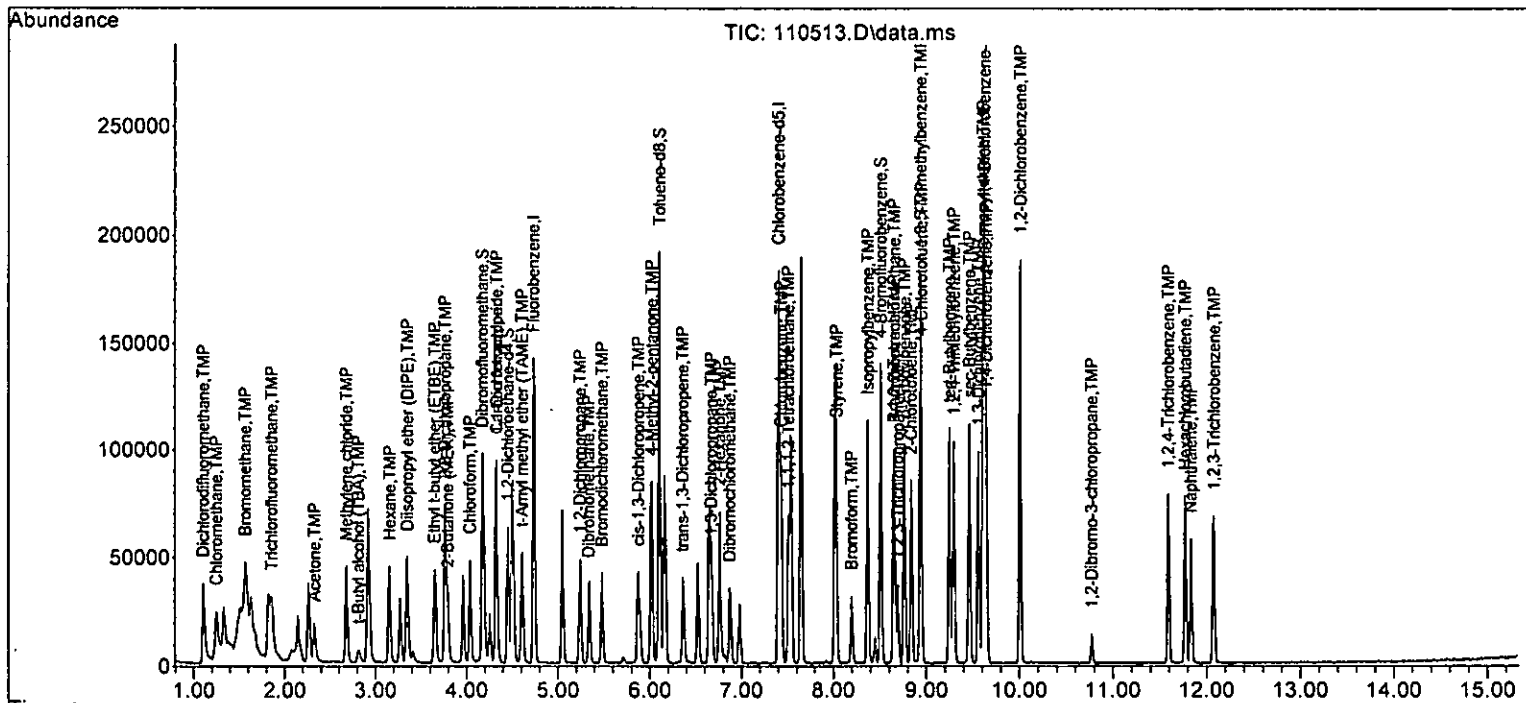
Quant Time: Nov 07 15:17:23 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	6.02	85	9919	21.312	ppb	96
38) cis-1,3-Dichloropropene	5.88	75	16892	4.276	ppb	94
40] Toluene	6.16	92	35268	4.956	ppb	97
41) trans-1,3-Dichloropropene	6.36	75	13495	4.357	ppb	90
42] 1,1,2-Trichloroethane	6.53	83	11288	4.911	ppb	89
43) 2-Hexanone	6.76	43	37305	22.205	ppb	97
44) 1,3-Dichloropropane	6.67	76	19946	4.922	ppb	97
45] Tetrachloroethene	6.65	164	17803	5.084	ppb	95
46) Dibromochloromethane	6.87	129	17976	4.719	ppb	96
47] 1,2-Dibromoethane (EDB)	6.98	107	14430	4.528	ppb	98
48) Chlorobenzene	7.43	112	41631	4.730	ppb	95
49] Ethylbenzene	7.54	91	64516	4.675	ppb	95
50) 1,1,1,2-Tetrachloroethane	7.51	131	15366	4.485	ppb	89
51] m,p-Xylene	7.65	106	50138	9.246	ppb	89
52] o-Xylene	8.02	106	24168	4.616	ppb	88
53) Styrene	8.03	104	36124	4.594	ppb	96
54) Isopropylbenzene	8.37	105	61384	4.825	ppb	95
55) Bromoform	8.20	173	11869	4.479	ppb	94
58) n-Propylbenzene	8.77	91	66876	4.943	ppb	93
59) Bromobenzene	8.65	156	19920	4.746	ppb #	80
60) 1,3,5-Trimethylbenzene	8.94	105	48534	4.921	ppb	94
61) 1,1,2,2-Tetrachloroethane	8.65	83	15253	5.160	ppb	92
62) 1,2,3-Trichloropropane	8.70	75	11548	4.739	ppb	94
63) 2-Chlorotoluene	8.84	91	40265	4.969	ppb	94
64) 4-Chlorotoluene	8.95	91	46593	4.862	ppb	89
65) tert-Butylbenzene	9.25	119	45776	4.679	ppb	96
66) 1,2,4-Trimethylbenzene	9.30	105	47789	4.776	ppb	96
67) sec-Butylbenzene	9.46	105	63733	4.846	ppb	94
68) p-Isopropyltoluene	9.61	119	57271	4.787	ppb	95
69) 1,3-Dichlorobenzene	9.56	146	37190	4.851	ppb	96
70) 1,4-Dichlorobenzene	9.64	146	38104	4.861	ppb	95
71) 1,2-Dichlorobenzene	10.01	146	35540	4.875	ppb	96
72) 1,2-Dibromo-3-chloropr...	10.77	75	2516	4.652	ppb	89
73) 1,2,4-Trichlorobenzene	11.59	180	21952	4.513	ppb	96
74) Hexachlorobutadiene	11.77	225	13843	4.605	ppb	98
75) Naphthalene	11.83	128	40939	4.473	ppb	100
76) 1,2,3-Trichlorobenzene	12.08	180	19554	4.612	ppb	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110513.D
 Acq On : 05 Nov 2022 02:16 pm
 Operator : VM
 Sample : 5 ppb 8260 ICAL 67-177M
 Misc : soil/water
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:23 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110513.D
 Acq On : 05 Nov 2022 02:16 pm
 Operator : VM
 Sample : 5 ppb 8260 ICAL 67-177M
 Misc : soil/water
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Quant Time: Nov 07 15:17:23 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I Fluorobenzene	10.000	10.000	0.0	100	-0.01
2 TMP Ethanol	-1.000	0.000	0.0	0	0.00
3 S Dibromofluoromethane	10.000	9.714	2.9	100	0.00
4 TMP Dichlorodifluoromethane	5.000	4.554	8.9	100	-0.01
5 TMP Chloromethane	5.000	4.847	3.1	100	-0.01
6 TMP Vinyl chloride	5.000	4.692	6.2	100	-0.01
7 TMP Bromomethane	5.000	4.882	2.4	86	-0.01
8 TMP Chloroethane	5.000	4.959	0.8	100	-0.01
9 TMP Trichlorofluoromethane	5.000	4.960	0.8	100	0.03
10 TMP 2-Propanol	-1.000	0.000	0.0	0	0.00
11 TMP Acetone	25.000	21.279	14.9	100	0.00
12 TMP 1,1-Dichloroethene	5.000	4.766	4.7	100	-0.01
13 TMP Hexane	5.000	4.700	6.0	100	0.00
14 TMP Methylene chloride	5.000	4.905	1.9	100	0.00
15 TMP t-Butyl alcohol (TBA)	25.000	22.023	11.9	100	0.00
16 TMP Methyl t-butyl ether (MTBE)	5.000	4.720	5.6	100	0.00
17 TMP trans-1,2-Dichloroethene	5.000	4.730	5.4	100	-0.01
18 TMP Diisopropyl ether (DIPE)	5.000	4.670	6.6	100	0.00
19 TMP 1,1-Dichloroethane	5.000	4.696	6.1	100	0.00
20 TMP Ethyl t-butyl ether (ETBE)	5.000	4.325	13.5	100	-0.01
21 TMP 2,2-Dichloropropane	5.000	4.501	10.0	100	-0.01
22 TMP cis-1,2-Dichloroethene	5.000	4.873	2.5	100	0.00
23 TMP Chloroform	5.000	4.827	3.5	100	0.00
24 TMP 2-Butanone (MEK)	25.000	19.098	23.6#	100	0.00
25 TMP t-Amyl methyl ether (TAME)	5.000	4.524	9.5	100	0.00
26 TMP 1,2-Dichloroethane (EDC)	5.000	4.963	0.7	99	-0.01
27 TMP 1,1,1-Trichloroethane	5.000	4.521	9.6	100	0.00
28 TMP 1,1-Dichloropropene	5.000	4.792	4.2	100	0.00
29 TMP Carbon tetrachloride	5.000	4.415	11.7	100	0.00
30 S 1,2-Dichloroethane-d4	10.000	9.726	2.7	100	0.00
31 TMP Benzene	5.000	4.638	7.2	100	0.00
32 TMP Trichloroethene	5.000	4.685	6.3	100	0.00
33 TMP 1,2-Dichloropropane	5.000	4.712	5.8	100	0.00
34 TMP Bromodichloromethane	5.000	4.697	6.1	100	0.00
35 S Toluene-d8	10.000	9.932	0.7	100	0.00
36 TMP Dibromomethane	5.000	4.468	10.6	100	-0.01
37 TMP 4-Methyl-2-pentanone	25.000	21.312	14.8	100	0.00
38 TMP cis-1,3-Dichloropropene	5.000	4.276	14.5	100	0.00
39 I Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40 TMP Toluene	5.000	4.956	0.9	100	0.00
41 TMP trans-1,3-Dichloropropene	5.000	4.357	12.9	100	0.00
42 TMP 1,1,2-Trichloroethane	5.000	4.911	1.8	100	0.00
43 TMP 2-Hexanone	25.000	22.205	11.2	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110513.D
 Acq On : 05 Nov 2022 02:16 pm
 Operator : VM
 Sample : 5 ppb 8260 ICAL 67-177M
 Misc : soil/water
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:23 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	5.000	4.922	1.6	100	-0.01
45 TMP Tetrachloroethene	5.000	5.084	-1.7	100	0.00
46 TMP Dibromochloromethane	5.000	4.719	5.6	100	-0.01
47 TMP 1,2-Dibromoethane (EDB)	5.000	4.528	9.4	100	0.00
48 TMP Chlorobenzene	5.000	4.730	5.4	100	0.00
49 TMP Ethylbenzene	5.000	4.675	6.5	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	5.000	4.485	10.3	100	0.00
51 TMP m,p-Xylene	10.000	9.246	7.5	100	0.00
52 TMP o-Xylene	5.000	4.616	7.7	100	0.00
53 TMP Styrene	5.000	4.594	8.1	100	0.00
54 TMP Isopropylbenzene	5.000	4.825	3.5	100	0.00
55 TMP Bromoform	5.000	4.479	10.4	100	0.00
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	10.000	10.032	-0.3	100	0.00
58 TMP n-Propylbenzene	5.000	4.943	1.1	100	0.00
59 TMP Bromobenzene	5.000	4.746	5.1	100	0.00
60 TMP 1,3,5-Trimethylbenzene	5.000	4.921	1.6	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	5.000	5.160	-3.2	100	0.00
62 TMP 1,2,3-Trichloropropane	5.000	4.739	5.2	100	0.00
63 TMP 2-Chlorotoluene	5.000	4.969	0.6	100	0.00
64 TMP 4-Chlorotoluene	5.000	4.862	2.8	100	0.00
65 TMP tert-Butylbenzene	5.000	4.679	6.4	100	0.00
66 TMP 1,2,4-Trimethylbenzene	5.000	4.776	4.5	100	0.00
67 TMP sec-Butylbenzene	5.000	4.846	3.1	100	0.00
68 TMP p-Isopropyltoluene	5.000	4.787	4.3	100	0.00
69 TMP 1,3-Dichlorobenzene	5.000	4.851	3.0	100	0.00
70 TMP 1,4-Dichlorobenzene	5.000	4.861	2.8	100	0.00
71 TMP 1,2-Dichlorobenzene	5.000	4.875	2.5	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	5.000	4.652	7.0	100	0.00
73 TMP 1,2,4-Trichlorobenzene	5.000	4.513	9.7	100	0.00
74 TMP Hexachlorobutadiene	5.000	4.605	7.9	100	0.00
75 TMP Naphthalene	5.000	4.473	10.5	100	0.00
76 TMP 1,2,3-Trichlorobenzene	5.000	4.612	7.8	100	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110513.D
 Acq On : 05 Nov 2022 02:16 pm
 Operator : VM
 Sample : 5 ppb 8260 ICAL 67-177M
 Misc : soil/water
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:23 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I Fluorobenzene	1.000	1.000	0.0	100	-0.01
2 TMP Ethanol	0.000	0.000#	0.0	0#	0.00
3 S Dibromofluoromethane	0.321	0.312	2.8	100	0.00
4 TMP Dichlorodifluoromethane	0.800	0.729	8.9	100	-0.01
5 TMP Chloromethane	0.488	0.473	3.1	100	-0.01
6 TMP Vinyl chloride	0.510	0.478	6.3	100	-0.01
7 TMP Bromomethane	0.432	0.422	2.3	86	-0.01
8 TMP Chloroethane	0.229	0.227	0.9	100	-0.01
9 TMP Trichlorofluoromethane	1.123	1.114	0.8	100	0.03
10 TMP 2-Propanol	0.000	0.000	0.0	0#	0.00
11 TMP Acetone	0.029	0.023	20.7#	100	0.00
12 TMP 1,1-Dichloroethene	0.285	0.272	4.6	100	-0.01
13 TMP Hexane	0.323	0.304	5.9	100	0.00
14 TMP Methylene chloride	0.289	0.327	-13.1	100	0.00
15 TMP t-Butyl alcohol (TBA)	0.024	0.021#	12.5	100	0.00
16 TMP Methyl t-butyl ether (MTBE)	0.666	0.628	5.7	100	0.00
17 TMP trans-1,2-Dichloroethene	0.318	0.301	5.3	100	-0.01
18 TMP Diisopropyl ether (DIPE)	0.698	0.652	6.6	100	0.00
19 TMP 1,1-Dichloroethane	0.463	0.435	6.0	100	0.00
20 TMP Ethyl t-butyl ether (ETBE)	0.258	0.223	13.6	100	-0.01
21 TMP 2,2-Dichloropropane	0.258	0.216	16.3	100	-0.01
22 TMP cis-1,2-Dichloroethene	0.333	0.325	2.4	100	0.00
23 TMP Chloroform	0.539	0.520	3.5	100	0.00
24 TMP 2-Butanone (MEK)	0.132	0.097	26.5#	100	0.00
25 TMP t-Amyl methyl ether (TAME)	0.540	0.489#	9.4	100	0.00
26 TMP 1,2-Dichloroethane (EDC)	0.465	0.405	12.9	99	-0.01
27 TMP 1,1,1-Trichloroethane	0.482	0.436	9.5	100	0.00
28 TMP 1,1-Dichloropropene	0.370	0.347	6.2	100	0.00
29 TMP Carbon tetrachloride	0.485	0.428	11.8	100	0.00
30 S 1,2-Dichloroethane-d4	0.062	0.060	3.2	100	0.00
31 TMP Benzene	1.118	1.037	7.2	100	0.00
32 TMP Trichloroethene	0.367	0.343	6.5	100	0.00
33 TMP 1,2-Dichloropropane	0.241	0.227	5.8	100	0.00
34 TMP Bromodichloromethane	0.387	0.363	6.2	100	0.00
35 S Toluene-d8	0.954	0.947	0.7	100	0.00
36 TMP Dibromomethane	0.219	0.196	10.5	100	-0.01
37 TMP 4-Methyl-2-pentanone	0.042	0.036	14.3	100	0.00
38 TMP cis-1,3-Dichloropropene	0.360	0.308	14.4	100	0.00
39 I Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40 TMP Toluene	0.907	0.796	12.2	100	0.00
41 TMP trans-1,3-Dichloropropene	0.366	0.305	16.7	100	0.00
42 TMP 1,1,2-Trichloroethane	0.285	0.255	10.5	100	0.00
43 TMP 2-Hexanone	0.190	0.168	11.6	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110513.D
 Acq On : 05 Nov 2022 02:16 pm
 Operator : VM
 Sample : 5 ppb 8260 ICAL 67-177M
 Misc : soil/water
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:23 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.457	0.450	1.5	100	-0.01
45 TMP Tetrachloroethene	0.460	0.402	12.6	100	0.00
46 TMP Dibromochloromethane	0.451	0.406	10.0	100	-0.01
47 TMP 1,2-Dibromoethane (EDB)	0.360	0.326	9.4	100	0.00
48 TMP Chlorobenzene	0.993	0.939	5.4	100	0.00
49 TMP Ethylbenzene	1.557	1.456	6.5	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.387	0.347	10.3	100	0.00
51 TMP m,p-Xylene	0.612	0.566	7.5	100	0.00
52 TMP o-Xylene	0.591	0.545	7.8	100	0.00
53 TMP Styrene	0.887	0.815	8.1	100	0.00
54 TMP Isopropylbenzene	1.435	1.385	3.5	100	0.00
55 TMP Bromoform	0.299	0.268	10.4	100	0.00
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	0.689	0.691	-0.3	100	0.00
58 TMP n-Propylbenzene	2.700	2.669	1.1	100	0.00
59 TMP Bromobenzene	0.837	0.795	5.0	100	0.00
60 TMP 1,3,5-Trimethylbenzene	1.968	1.937	1.6	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.626	0.609	2.7	100	0.00
62 TMP 1,2,3-Trichloropropane	0.486	0.461#	5.1	100	0.00
63 TMP 2-Chlorotoluene	1.617	1.607	0.6	100	0.00
64 TMP 4-Chlorotoluene	1.912	1.859	2.8	100	0.00
65 TMP tert-Butylbenzene	1.952	1.827	6.4	100	0.00
66 TMP 1,2,4-Trimethylbenzene	1.996	1.907	4.5	100	0.00
67 TMP sec-Butylbenzene	2.624	2.543	3.1	100	0.00
68 TMP p-Isopropyltoluene	2.387	2.285	4.3	100	0.00
69 TMP 1,3-Dichlorobenzene	1.530	1.484	3.0	100	0.00
70 TMP 1,4-Dichlorobenzene	1.564	1.521	2.7	100	0.00
71 TMP 1,2-Dichlorobenzene	1.455	1.418	2.5	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	0.108	0.100	7.4	100	0.00
73 TMP 1,2,4-Trichlorobenzene	0.971	0.876	9.8	100	0.00
74 TMP Hexachlorobutadiene	0.600	0.552	8.0	100	0.00
75 TMP Naphthalene	1.833	1.634	10.9	100	0.00
76 TMP 1,2,3-Trichlorobenzene	0.846	0.780	7.8	100	0.00

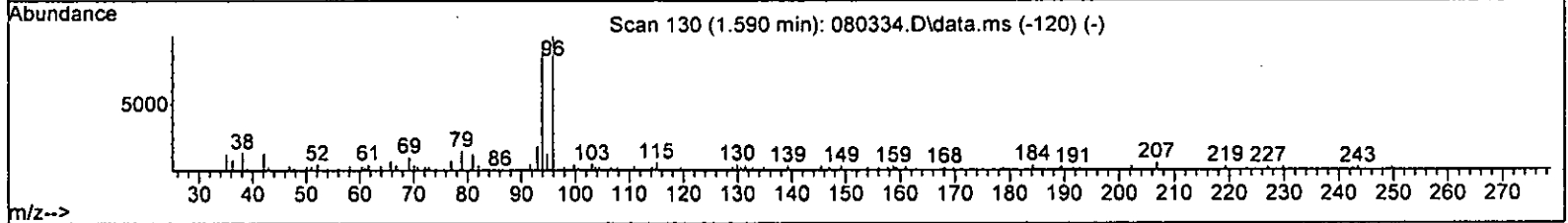
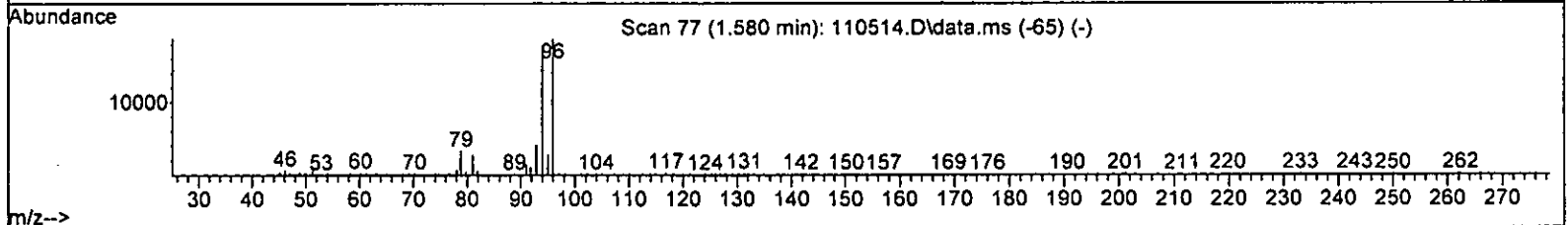
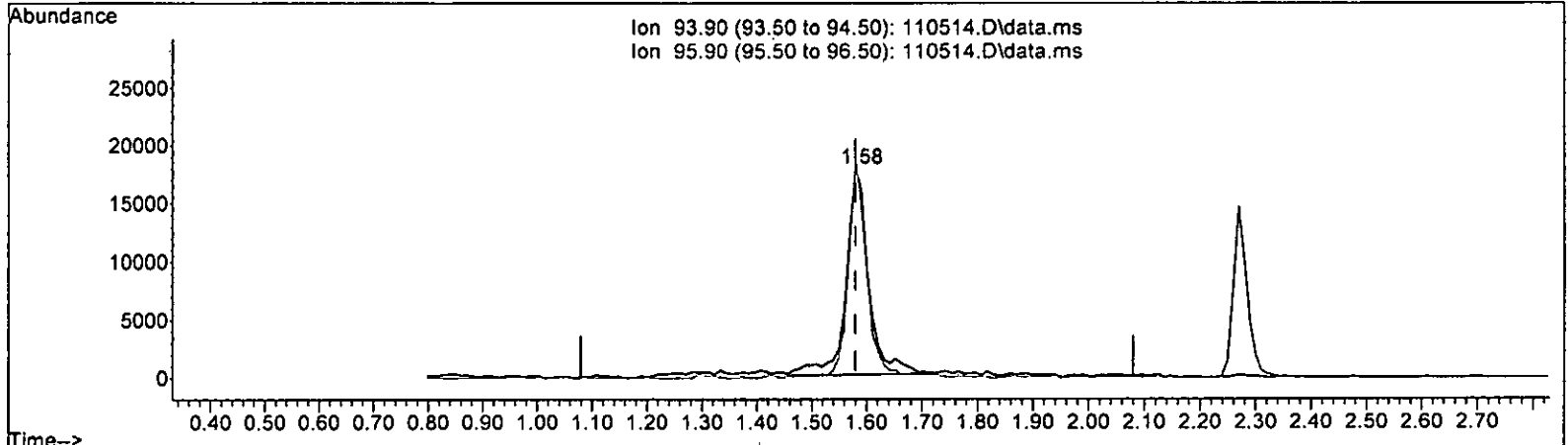
(#) = Out of Range

SPCC's out = 4 CCC's out = 0

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110514.D
 Acq On : 05 Nov 2022 02:39 pm
 Operator : VM
 Sample : 10 ppb 8260 ICAL 67-177N
 Misc : soil/water
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:25 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110514.D\data.ms

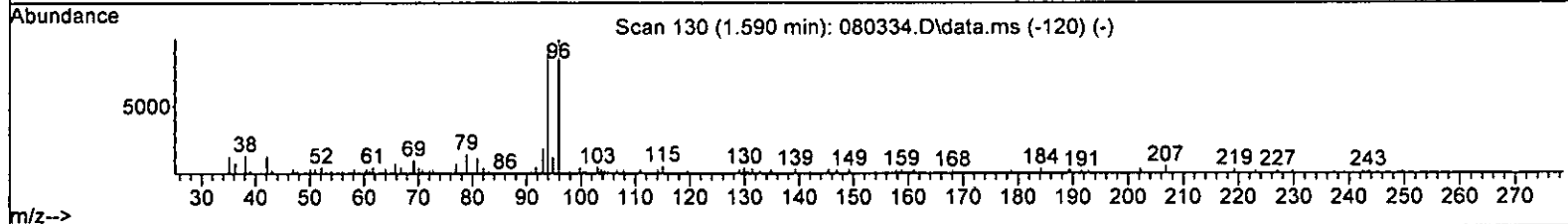
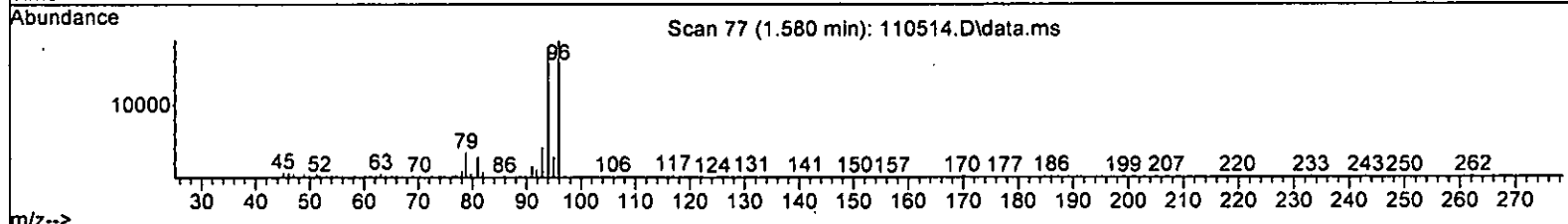
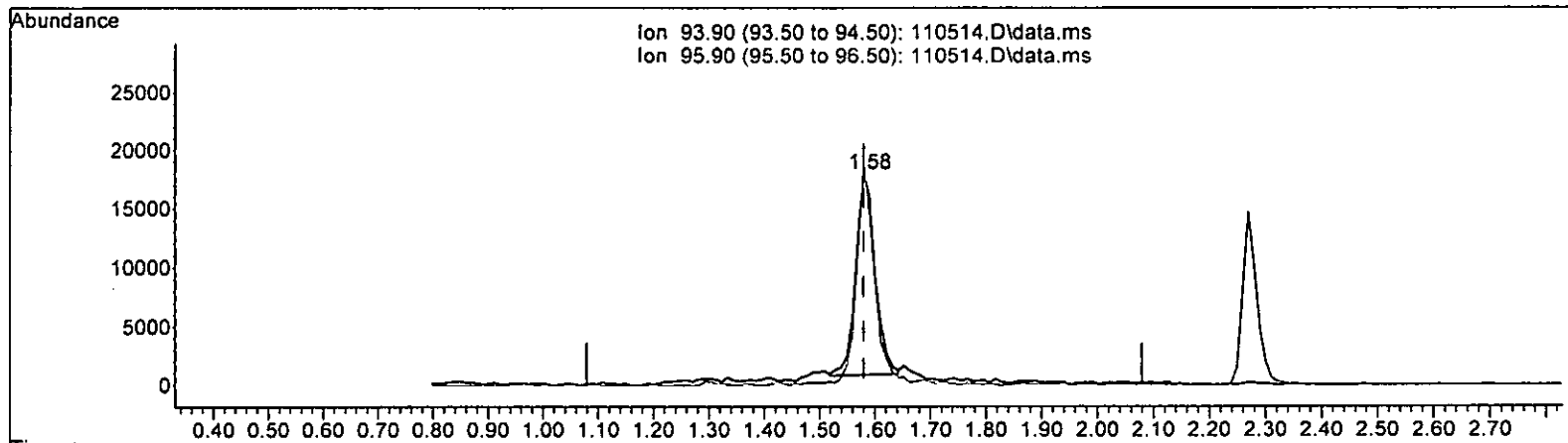
(7) Bromomethane (TMP)
 1.580min (+ 0.000) 11.319 ppb
 response 51007

Ion	Exp%	Act%
93.90	100.00	100.00
95.90	93.50	105.91
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110514.D
 Acq On : 05 Nov 2022 02:39 pm
 Operator : VM
 Sample : 10 ppb 8260 ICAL 67-177N
 Misc : soil/water
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:25 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110514.D\data.ms

(7) Bromomethane (TMP)

1.580min (+ 0.000) 9.187 ppb m

response	41401
Ion	Exp% Act%
93.90	100.00 100.00
95.90	93.50 104.66
0.00	0.00 0.00
0.00	0.00 0.00

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110514.D
 Acq On : 05 Nov 2022 02:39 pm
 Operator : VM
 Sample : 10 ppb 8260 ICAL 67-177N
 Misc : soil/water
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:25 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	4.75	96	104308	10.000	ppb	0.00
39) Chlorobenzene-d5	7.41	117	87057	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	51133	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.18	113	33344	9.968	ppb	0.00
Spiked Amount	10.000	Range	50 - 150	Recovery	=	99.70%
30) 1,2-Dichloroethane-d4	4.45	102	6805	10.498	ppb	0.00
Spiked Amount	10.000	Range	84 - 120	Recovery	=	105.00%
35) Toluene-d8	6.11	98	101519	10.205	ppb	0.00
Spiked Amount	10.000	Range	73 - 128	Recovery	=	102.00%
57) 4-Bromofluorobenzene	8.51	95	35310	10.022	ppb	0.00
Spiked Amount	10.000	Range	57 - 146	Recovery	=	100.20%
Target Compounds						
						Qvalue
2) Ethanol	2.33	45	337	No Calib		
4) Dichlorodifluoromethane	1.12	85	82454	9.881	ppb	99
5) Chloromethane	1.26	50	52455	10.302	ppb	96
6] Vinyl chloride	1.34	62	52244	9.826	ppb	95
7) Bromomethane	1.58	94	41401m	9.187	ppb	
8] Chloroethane	1.65	64	24645	10.332	ppb	96
9) Trichlorofluoromethane	1.83	101	113746	9.710	ppb	93
10) 2-Propanol	2.33	45	337	No Calib	#	
11) Acetone	2.33	58	15004	54.589	ppb	90
12] 1,1-Dichloroethene	2.27	96	29285	9.854	ppb	89
13) Hexane	3.16	57	34044	10.096	ppb	96
14) Methylene chloride	2.68	84	31652	10.138	ppb	94
15) t-Butyl alcohol (TBA)	2.82	59	12685	50.668	ppb	92
16] Methyl t-butyl ether (...)	2.93	73	70284	10.120	ppb	98
17] trans-1,2-Dichloroethene	2.92	96	32760	9.862	ppb	92
18) Diisopropyl ether (DIPE)	3.35	45	70407	9.674	ppb	100
19] 1,1-Dichloroethane	3.27	63	49510	10.243	ppb	98
20) Ethyl t-butyl ether (E...)	3.66	87	25865	9.626	ppb	# 90
21) 2,2-Dichloropropane	3.77	77	23624	9.405	ppb	97
22] cis-1,2-Dichloroethene	3.77	96	35146	10.114	ppb	96
23) Chloroform	4.04	83	55529	9.884	ppb	95
24) 2-Butanone (MEK)	3.80	43	68680	52.470	ppb	99
25) t-Amyl methyl ether (T...)	4.61	73	56141	9.959	ppb	95
26] 1,2-Dichloroethane (EDC)	4.53	62	44319	10.457	ppb	98
27] 1,1,1-Trichloroethane	4.19	97	49472	9.844	ppb	95
28) 1,1-Dichloropropene	4.33	75	38299	10.159	ppb	99
29) Carbon tetrachloride	4.33	117	48992	9.682	ppb	99
31] Benzene	4.50	78	114400	9.807	ppb	97
32] Trichloroethene	5.05	95	37097	9.703	ppb	85
33) 1,2-Dichloropropane	5.24	63	24611	9.792	ppb	97
34) Bromodichloromethane	5.48	83	41413	10.269	ppb	94
36) Dibromomethane	5.35	93	22692	9.913	ppb	87

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110514.D
 Acq On : 05 Nov 2022 02:39 pm
 Operator : VM
 Sample : 10 ppb 8260 ICAL 67-177N
 Misc : soil/water
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS13

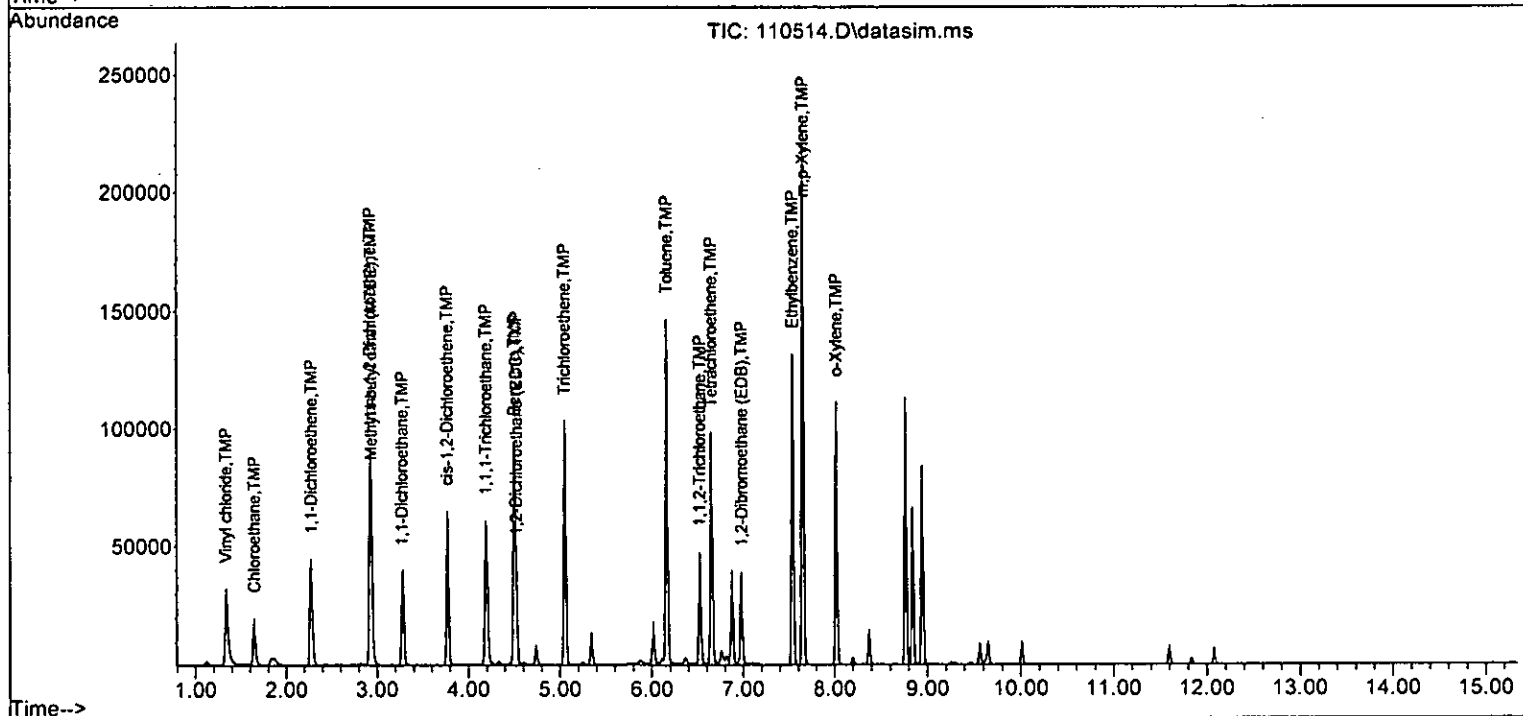
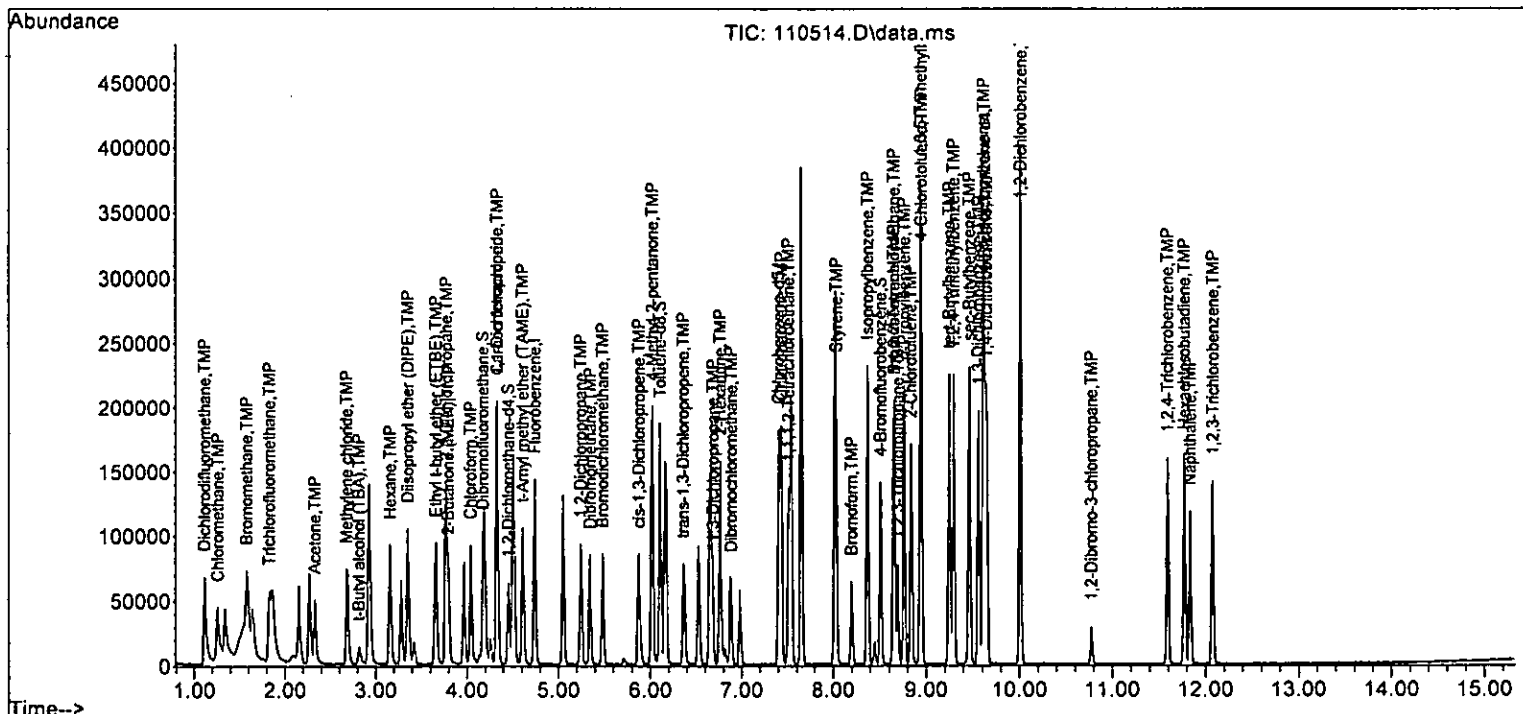
Quant Time: Nov 07 15:17:25 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	6.02	85	22592	51.053	ppb	87
38) cis-1,3-Dichloropropene	5.88	75	34553	9.199	ppb	92
40] Toluene	6.16	92	72112	10.334	ppb	98
41) trans-1,3-Dichloropropene	6.36	75	28870	9.423	ppb	89
42] 1,1,2-Trichloroethane	6.53	83	23239	10.318	ppb	92
43) 2-Hexanone	6.76	43	83273	50.462	ppb	95
44) 1,3-Dichloropropane	6.68	76	39919	10.029	ppb	99
45] Tetrachloroethene	6.65	164	35768	10.402	ppb	96
46) Dibromochloromethane	6.89	129	36547	9.760	ppb	100
47] 1,2-Dibromoethane (EDB)	6.98	107	30662	9.796	ppb	99
48) Chlorobenzene	7.43	112	84024	9.720	ppb	96
49] Ethylbenzene	7.54	91	132199	9.753	ppb	96
50) 1,1,1,2-Tetrachloroethane	7.51	131	31977	9.502	ppb	96
51] m,p-Xylene	7.65	106	104427	19.606	ppb	91
52] o-Xylene	8.02	106	50131	9.748	ppb	89
53) Styrene	8.03	104	77903	10.086	ppb	97
54) Isopropylbenzene	8.37	105	125406	10.035	ppb	95
55) Bromoform	8.20	173	25019	9.611	ppb	99
58) n-Propylbenzene	8.77	91	142590	10.329	ppb	90
59) Bromobenzene	8.65	156	42431	9.909	ppb #	77
60) 1,3,5-Trimethylbenzene	8.94	105	101060	10.045	ppb	94
61) 1,1,2,2-Tetrachloroethane	8.65	83	31804	10.662	ppb	98
62) 1,2,3-Trichloropropane	8.70	75	24300	9.774	ppb	94
63) 2-Chlorotoluene	8.84	91	84235	10.189	ppb	92
64) 4-Chlorotoluene	8.95	91	97390	9.962	ppb	85
65) tert-Butylbenzene	9.25	119	96957	9.715	ppb	94
66) 1,2,4-Trimethylbenzene	9.30	105	103049	10.095	ppb	93
67) sec-Butylbenzene	9.46	105	134934	10.057	ppb	98
68) p-Isopropyltoluene	9.61	119	122277	10.019	ppb	97
69) 1,3-Dichlorobenzene	9.56	146	77024	9.849	ppb	96
70) 1,4-Dichlorobenzene	9.64	146	78396	9.803	ppb	99
71) 1,2-Dichlorobenzene	10.01	146	75064	10.092	ppb	97
72) 1,2-Dibromo-3-chloropr...	10.77	75	5363	9.720	ppb	94
73) 1,2,4-Trichlorobenzene	11.59	180	46976	9.466	ppb	99
74) Hexachlorobutadiene	11.77	225	29590	9.649	ppb	96
75) Naphthalene	11.83	128	88116	9.287	ppb	99
76) 1,2,3-Trichlorobenzene	12.08	180	41267	9.540	ppb	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110514.D
 Acq On : 05 Nov 2022 02:39 pm
 Operator : VM
 Sample : 10 ppb 8260 ICAL 67-177N
 Misc : soil/water
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:25 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110514.D
 Acq On : 05 Nov 2022 02:39 pm
 Operator : VM
 Sample : 10 ppb 8260 ICAL 67-177N
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Quant Time: Nov 07 15:17:25 2022
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 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I Fluorobenzene	10.000	10.000	0.0	100	0.00
2 TMP Ethanol	-1.000	0.000	0.0	0	0.00
3 S Dibromofluoromethane	10.000	9.968	0.3	100	0.00
4 TMP Dichlorodifluoromethane	10.000	9.881	1.2	100	0.00
5 TMP Chloromethane	10.000	10.302	-3.0	100	0.00
6 TMP Vinyl chloride	10.000	9.826	1.7	100	0.00
7 TMP Bromomethane	10.000	9.187	8.1	81	0.00
8 TMP Chloroethane	10.000	10.332	-3.3	100	0.00
9 TMP Trichlorofluoromethane	10.000	9.710	2.9	100	0.00
10 TMP 2-Propanol	-1.000	0.000	0.0	0	0.00
11 TMP Acetone	50.000	54.589	-9.2	100	0.00
12 TMP 1,1-Dichloroethene	10.000	9.854	1.5	100	0.00
13 TMP Hexane	10.000	10.096	-1.0	100	0.00
14 TMP Methylene chloride	10.000	10.138	-1.4	100	0.00
15 TMP t-Butyl alcohol (TBA)	50.000	50.668	-1.3	100	0.00
16 TMP Methyl t-butyl ether (MTBE)	10.000	10.120	-1.2	100	0.00
17 TMP trans-1,2-Dichloroethene	10.000	9.862	1.4	100	0.00
18 TMP Diisopropyl ether (DIPE)	10.000	9.674	3.3	100	0.00
19 TMP 1,1-Dichloroethane	10.000	10.243	-2.4	100	0.00
20 TMP Ethyl t-butyl ether (ETBE)	10.000	9.626	3.7	100	0.00
21 TMP 2,2-Dichloropropane	10.000	9.405	6.0	100	0.00
22 TMP cis-1,2-Dichloroethene	10.000	10.114	-1.1	100	0.00
23 TMP Chloroform	10.000	9.884	1.2	100	0.00
24 TMP 2-Butanone (MEK)	50.000	52.470	-4.9	100	0.00
25 TMP t-Amyl methyl ether (TAME)	10.000	9.959	0.4	100	0.00
26 TMP 1,2-Dichloroethane (EDC)	10.000	10.457	-4.6	100	0.00
27 TMP 1,1,1-Trichloroethane	10.000	9.844	1.6	100	0.00
28 TMP 1,1-Dichloropropene	10.000	10.159	-1.6	100	0.00
29 TMP Carbon tetrachloride	10.000	9.682	3.2	100	0.00
30 S 1,2-Dichloroethane-d4	10.000	10.498	-5.0	100	0.00
31 TMP Benzene	10.000	9.807	1.9	100	0.00
32 TMP Trichloroethene	10.000	9.703	3.0	100	0.00
33 TMP 1,2-Dichloropropane	10.000	9.792	2.1	100	0.00
34 TMP Bromodichloromethane	10.000	10.269	-2.7	100	0.00
35 S Toluene-d8	10.000	10.205	-2.1	100	0.00
36 TMP Dibromomethane	10.000	9.913	0.9	100	0.00
37 TMP 4-Methyl-2-pentanone	50.000	51.053	-2.1	100	0.00
38 TMP cis-1,3-Dichloropropene	10.000	9.199	8.0	100	0.00
39 I Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40 TMP Toluene	10.000	10.334	-3.3	100	0.00
41 TMP trans-1,3-Dichloropropene	10.000	9.423	5.8	100	0.00
42 TMP 1,1,2-Trichloroethane	10.000	10.318	-3.2	100	0.00
43 TMP 2-Hexanone	50.000	50.462	-0.9	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110514.D
 Acq On : 05 Nov 2022 02:39 pm
 Operator : VM
 Sample : 10 ppb 8260 ICAL 67-177N
 Misc : soil/water
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:25 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	10.000	10.029	-0.3	100	0.00
45 TMP Tetrachloroethene	10.000	10.402	-4.0	100	0.00
46 TMP Dibromochloromethane	10.000	9.760	2.4	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	10.000	9.796	2.0	100	0.00
48 TMP Chlorobenzene	10.000	9.720	2.8	100	0.00
49 TMP Ethylbenzene	10.000	9.753	2.5	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	10.000	9.502	5.0	100	0.00
51 TMP m,p-Xylene	20.000	19.606	2.0	100	0.00
52 TMP o-Xylene	10.000	9.748	2.5	100	0.00
53 TMP Styrene	10.000	10.086	-0.9	100	0.00
54 TMP Isopropylbenzene	10.000	10.035	-0.4	100	0.00
55 TMP Bromoform	10.000	9.611	3.9	100	0.00
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	10.000	10.022	-0.2	100	0.00
58 TMP n-Propylbenzene	10.000	10.329	-3.3	100	0.00
59 TMP Bromobenzene	10.000	9.909	0.9	100	0.00
60 TMP 1,3,5-Trimethylbenzene	10.000	10.045	-0.4	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	10.000	10.662	-6.6	100	0.00
62 TMP 1,2,3-Trichloropropane	10.000	9.774	2.3	100	0.00
63 TMP 2-Chlorotoluene	10.000	10.189	-1.9	100	0.00
64 TMP 4-Chlorotoluene	10.000	9.962	0.4	100	0.00
65 TMP tert-Butylbenzene	10.000	9.715	2.9	100	0.00
66 TMP 1,2,4-Trimethylbenzene	10.000	10.095	-1.0	100	0.00
67 TMP sec-Butylbenzene	10.000	10.057	-0.6	100	0.00
68 TMP p-Isopropyltoluene	10.000	10.019	-0.2	100	0.00
69 TMP 1,3-Dichlorobenzene	10.000	9.849	1.5	100	0.00
70 TMP 1,4-Dichlorobenzene	10.000	9.803	2.0	100	0.00
71 TMP 1,2-Dichlorobenzene	10.000	10.092	-0.9	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	10.000	9.720	2.8	100	0.00
73 TMP 1,2,4-Trichlorobenzene	10.000	9.466	5.3	100	0.00
74 TMP Hexachlorobutadiene	10.000	9.649	3.5	100	0.00
75 TMP Naphthalene	10.000	9.287	7.1	100	0.00
76 TMP 1,2,3-Trichlorobenzene	10.000	9.540	4.6	100	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110514.D
 Acq On : 05 Nov 2022 02:39 pm
 Operator : VM
 Sample : 10 ppb 8260 ICAL 67-177N
 Misc : soil/water
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:25 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2 TMP	Ethanol	0.000	0.000#	0.0	0#	0.00
3 S	Dibromofluoromethane	0.321	0.320	0.3	100	0.00
4 TMP	Dichlorodifluoromethane	0.800	0.790	1.3	100	0.00
5 TMP	Chloromethane	0.488	0.503	-3.1	100	0.00
6 TMP	Vinyl chloride	0.510	0.501	1.8	100	0.00
7 TMP	Bromomethane	0.432	0.397	8.1	81	0.00
8 TMP	Chloroethane	0.229	0.236	-3.1	100	0.00
9 TMP	Trichlorofluoromethane	1.123	1.090	2.9	100	0.00
10 TMP	2-Propanol	0.000	0.000	0.0	0#	0.00
11 TMP	Acetone	0.029	0.029	0.0	100	0.00
12 TMP	1,1-Dichloroethene	0.285	0.281	1.4	100	0.00
13 TMP	Hexane	0.323	0.326	-0.9	100	0.00
14 TMP	Methylene chloride	0.289	0.303	-4.8	100	0.00
15 TMP	t-Butyl alcohol (TBA)	0.024	0.024#	0.0	100	0.00
16 TMP	Methyl t-butyl ether (MTBE)	0.666	0.674	-1.2	100	0.00
17 TMP	trans-1,2-Dichloroethene	0.318	0.314	1.3	100	0.00
18 TMP	Diisopropyl ether (DIPE)	0.698	0.675	3.3	100	0.00
19 TMP	1,1-Dichloroethane	0.463	0.475	-2.6	100	0.00
20 TMP	Ethyl t-butyl ether (ETBE)	0.258	0.248	3.9	100	0.00
21 TMP	2,2-Dichloropropane	0.258	0.226	12.4	100	0.00
22 TMP	cis-1,2-Dichloroethene	0.333	0.337	-1.2	100	0.00
23 TMP	Chloroform	0.539	0.532	1.3	100	0.00
24 TMP	2-Butanone (MEK)	0.132	0.132	0.0	100	0.00
25 TMP	t-Amyl methyl ether (TAME)	0.540	0.538	0.4	100	0.00
26 TMP	1,2-Dichloroethane (EDC)	0.465	0.425	8.6	100	0.00
27 TMP	1,1,1-Trichloroethane	0.482	0.474	1.7	100	0.00
28 TMP	1,1-Dichloropropane	0.370	0.367	0.8	100	0.00
29 TMP	Carbon tetrachloride	0.485	0.470	3.1	100	0.00
30 S	1,2-Dichloroethane-d4	0.062	0.065	-4.8	100	0.00
31 TMP	Benzene	1.118	1.097	1.9	100	0.00
32 TMP	Trichloroethene	0.367	0.356	3.0	100	0.00
33 TMP	1,2-Dichloropropane	0.241	0.236	2.1	100	0.00
34 TMP	Bromodichloromethane	0.387	0.397	-2.6	100	0.00
35 S	Toluene-d8	0.954	0.973	-2.0	100	0.00
36 TMP	Dibromomethane	0.219	0.218	0.5	100	0.00
37 TMP	4-Methyl-2-pentanone	0.042	0.043	-2.4	100	0.00
38 TMP	cis-1,3-Dichloropropene	0.360	0.331	8.1	100	0.00
39 I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40 TMP	Toluene	0.907	0.828	8.7	100	0.00
41 TMP	trans-1,3-Dichloropropene	0.366	0.332	9.3	100	0.00
42 TMP	1,1,2-Trichloroethane	0.285	0.267	6.3	100	0.00
43 TMP	2-Hexanone	0.190	0.191	-0.5	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110514.D
 Acq On : 05 Nov 2022 02:39 pm
 Operator : VM
 Sample : 10 ppb 8260 ICAL 67-177N
 Misc : soil/water
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:25 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.457	0.459	-0.4	100	0.00
45 TMP Tetrachloroethene	0.460	0.411	10.7	100	0.00
46 TMP Dibromochloromethane	0.451	0.420	6.9	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	0.360	0.352	2.2	100	0.00
48 TMP Chlorobenzene	0.993	0.965	2.8	100	0.00
49 TMP Ethylbenzene	1.557	1.519	2.4	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.387	0.367	5.2	100	0.00
51 TMP m,p-Xylene	0.612	0.600	2.0	100	0.00
52 TMP o-Xylene	0.591	0.576	2.5	100	0.00
53 TMP Styrene	0.887	0.895	-0.9	100	0.00
54 TMP Isopropylbenzene	1.435	1.441	-0.4	100	0.00
55 TMP Bromoform	0.299	0.287	4.0	100	0.00
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	0.689	0.691	-0.3	100	0.00
58 TMP n-Propylbenzene	2.700	2.789	-3.3	100	0.00
59 TMP Bromobenzene	0.837	0.830	0.8	100	0.00
60 TMP 1,3,5-Trimethylbenzene	1.968	1.976	-0.4	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.626	0.622	0.6	100	0.00
62 TMP 1,2,3-Trichloropropane	0.486	0.475#	2.3	100	0.00
63 TMP 2-Chlorotoluene	1.617	1.647	-1.9	100	0.00
64 TMP 4-Chlorotoluene	1.912	1.905	0.4	100	0.00
65 TMP tert-Butylbenzene	1.952	1.896	2.9	100	0.00
66 TMP 1,2,4-Trimethylbenzene	1.996	2.015	-1.0	100	0.00
67 TMP sec-Butylbenzene	2.624	2.639	-0.6	100	0.00
68 TMP p-Isopropyltoluene	2.387	2.391	-0.2	100	0.00
69 TMP 1,3-Dichlorobenzene	1.530	1.506	1.6	100	0.00
70 TMP 1,4-Dichlorobenzene	1.564	1.533	2.0	100	0.00
71 TMP 1,2-Dichlorobenzene	1.455	1.468	-0.9	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	0.108	0.105	2.8	100	0.00
73 TMP 1,2,4-Trichlorobenzene	0.971	0.919	5.4	100	0.00
74 TMP Hexachlorobutadiene	0.600	0.579	3.5	100	0.00
75 TMP Naphthalene	1.833	1.723	6.0	100	0.00
76 TMP 1,2,3-Trichlorobenzene	0.846	0.807	4.6	100	0.00

(#) = Out of Range

SPCC's out = 3 CCC's out = 0

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110515.D
 Acq On : 05 Nov 2022 03:03 pm
 Operator : VM
 Sample : 20 ppb 8260 ICAL 67-1770
 Misc : soil/water
 ALS Vial : 11 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:27 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	4.75	96	105008	10.000	ppb	0.00
39) Chlorobenzene-d5	7.40	117	89462	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	52775	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.18	113	33718	10.013	ppb	0.00
Spiked Amount	10.000	Range 50 - 150	Recovery	=	100.10%	
30) 1,2-Dichloroethane-d4	4.45	102	6337	9.710	ppb	0.00
Spiked Amount	10.000	Range 84 - 120	Recovery	=	97.10%	
35) Toluene-d8	6.11	98	101082	10.093	ppb	0.00
Spiked Amount	10.000	Range 73 - 128	Recovery	=	100.90%	
57) 4-Bromofluorobenzene	8.51	95	34733	9.551	ppb	0.00
Spiked Amount	10.000	Range 57 - 146	Recovery	=	95.50%	
Target Compounds						
						Qvalue
2) Ethanol	2.32	45	607	No Calib		
4) Dichlorodifluoromethane	1.11	85	154866	18.434	ppb	100
5) Chloromethane	1.25	50	98937	19.301	ppb	94
6] Vinyl chloride	1.34	62	100432	18.764	ppb	100
7) Bromomethane	1.58	94	91854	20.247	ppb	98
8] Chloroethane	1.64	64	47471	19.769	ppb	98
9) Trichlorofluoromethane	1.83	101	233636	19.811	ppb	99
10) 2-Propanol	2.32	45	607	No Calib		
11) Acetone	2.32	58	27987	101.273	ppb	94
12] 1,1-Dichloroethene	2.26	96	56156	18.770	ppb	# 71
13) Hexane	3.16	57	65322	19.242	ppb	96
14) Methylene chloride	2.68	84	59931	20.124	ppb	97
15) t-Butyl alcohol (TBA)	2.82	59	23148	91.844	ppb	83
16] Methyl t-butyl ether (...)	2.93	73	135072	19.320	ppb	98
17] trans-1,2-Dichloroethene	2.92	96	61409	18.363	ppb	98
18) Diisopropyl ether (DIPE)	3.35	45	137455	18.760	ppb	97
19] 1,1-Dichloroethane	3.27	63	93540	19.223	ppb	99
20) Ethyl t-butyl ether (E...)	3.66	87	50057	18.504	ppb	92
21) 2,2-Dichloropropane	3.76	77	45590	17.884	ppb	99
22] cis-1,2-Dichloroethene	3.77	96	66068	18.886	ppb	99
23) Chloroform	4.04	83	106690	18.863	ppb	100
24) 2-Butanone (MEK)	3.79	43	133256	101.085	ppb	97
25) t-Amyl methyl ether (T...)	4.61	73	110109	19.403	ppb	96
26] 1,2-Dichloroethane (EDC)	4.52	62	84215	19.800	ppb	92
27] 1,1,1-Trichloroethane	4.19	97	96380	19.049	ppb	96
28) 1,1-Dichloropropene	4.33	75	74331	19.559	ppb	96
29) Carbon tetrachloride	4.33	117	93871	18.427	ppb	96
31] Benzene	4.50	78	217715	18.539	ppb	99
32] Trichloroethene	5.05	95	69909	18.164	ppb	79
33) 1,2-Dichloropropane	5.24	63	47862	18.917	ppb	98
34) Bromodichloromethane	5.48	83	80311	19.782	ppb	93
36) Dibromomethane	5.35	93	42084	18.262	ppb	# 81

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110515.D
 Acq On : 05 Nov 2022 03:03 pm
 Operator : VM
 Sample : 20 ppb 8260 ICAL 67-1770
 Misc : soil/water
 ALS Vial : 11 Sample Multiplier: 1
 InstName : GCMS13

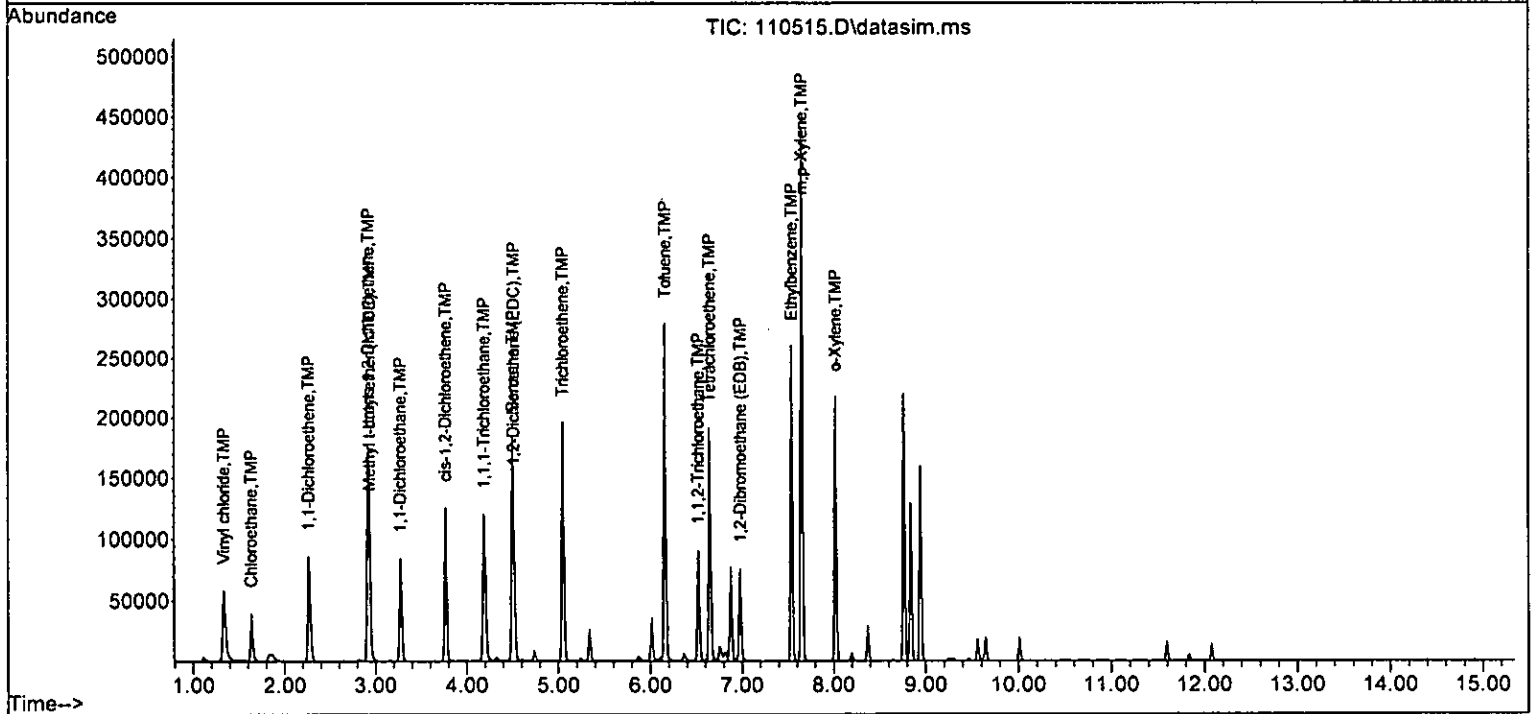
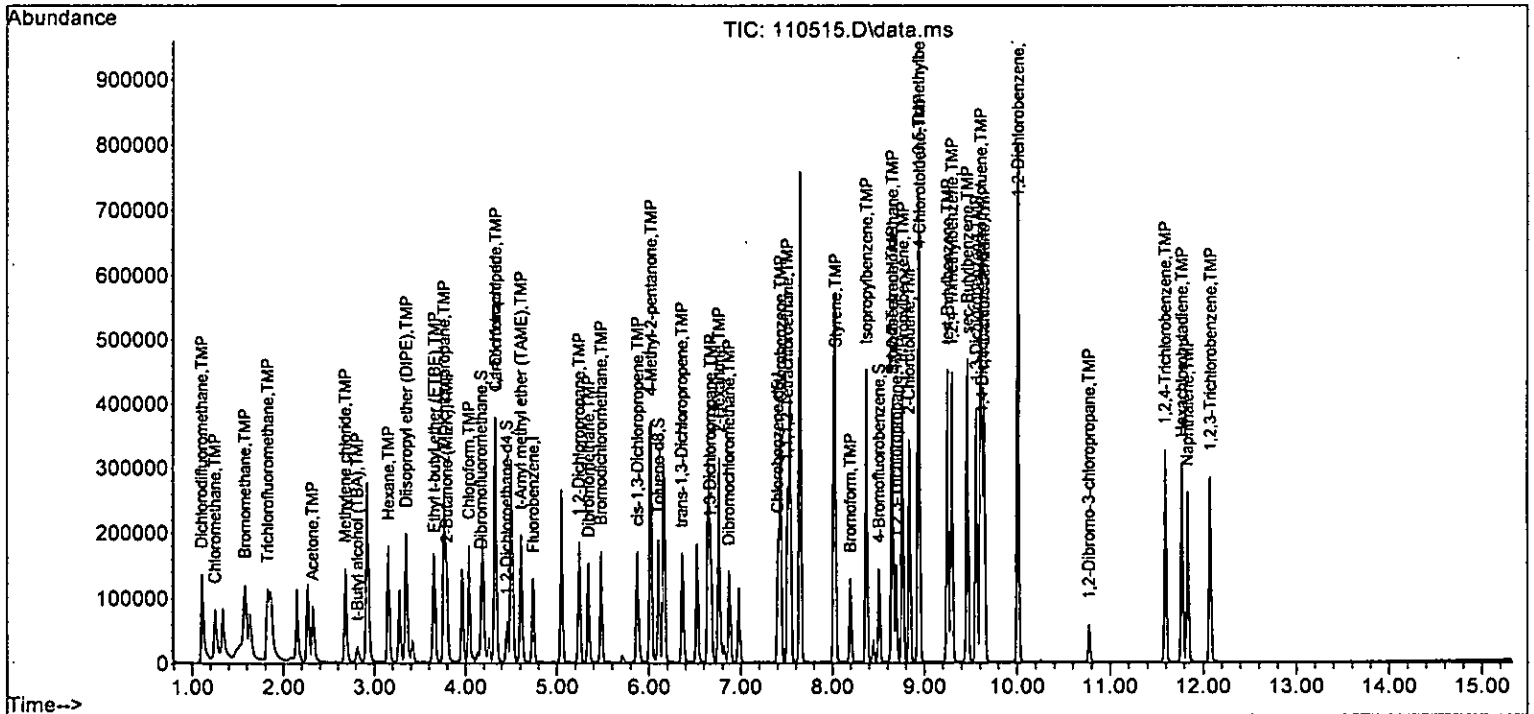
Quant Time: Nov 07 15:17:27 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	6.02	85	45279	101.638	ppb	97
38) cis-1,3-Dichloropropene	5.88	75	70729	18.705	ppb	93
40] Toluene	6.16	92	139892	19.521	ppb	97
41) trans-1,3-Dichloropropene	6.36	75	59494	18.667	ppb	91
42] 1,1,2-Trichloroethane	6.53	83	45453	19.683	ppb	90
43) 2-Hexanone	6.76	43	168998	99.657	ppb	96
44) 1,3-Dichloropropane	6.67	76	77532	18.955	ppb	98
45] Tetrachloroethene	6.65	164	68802	19.433	ppb	96
46) Dibromochloromethane	6.87	129	73622	19.026	ppb	97
47] 1,2-Dibromoethane (EDB)	6.98	107	60626	18.849	ppb	98
48) Chlorobenzene	7.43	112	167733	18.882	ppb	96
49] Ethylbenzene	7.54	91	260481	18.701	ppb	95
50) 1,1,1,2-Tetrachloroethane	7.51	131	65984	19.080	ppb	95
51] m,p-Xylene	7.65	106	204901	37.436	ppb	89
52] o-Xylene	8.02	106	98531	18.644	ppb	90
53) Styrene	8.03	104	154830	19.506	ppb	98
54) Isopropylbenzene	8.37	105	250256	19.488	ppb	96
55) Bromoform	8.20	173	49623	18.550	ppb	99
58) n-Propylbenzene	8.77	91	278485	19.546	ppb	91
59) Bromobenzene	8.65	156	81205	18.374	ppb	85
60) 1,3,5-Trimethylbenzene	8.94	105	202069	19.459	ppb	94
61) 1,1,2,2-Tetrachloroethane	8.65	83	61801	20.197	ppb	99
62) 1,2,3-Trichloropropane	8.70	75	48175	18.774	ppb	94
63) 2-Chlorotoluene	8.84	91	162962	19.099	ppb	93
64) 4-Chlorotoluene	8.95	91	193817	19.208	ppb	90
65) tert-Butylbenzene	9.25	119	194274	18.860	ppb	95
66) 1,2,4-Trimethylbenzene	9.30	105	208375	19.778	ppb	94
67) sec-Butylbenzene	9.46	105	267303	19.304	ppb	96
68) p-Isopropyltoluene	9.61	119	246519	19.570	ppb	97
69) 1,3-Dichlorobenzene	9.56	146	149710	18.547	ppb	95
70) 1,4-Dichlorobenzene	9.64	146	152776	18.509	ppb	97
71) 1,2-Dichlorobenzene	10.01	146	145355	18.935	ppb	97
72) 1,2-Dibromo-3-chloropr...	10.77	75	10358	18.189	ppb	98
73) 1,2,4-Trichlorobenzene	11.59	180	95023	18.552	ppb	95
74) Hexachlorobutadiene	11.77	225	57189	18.069	ppb	99
75) Naphthalene	11.83	128	186455	18.714	ppb	99
76) 1,2,3-Trichlorobenzene	12.08	180	84682	18.968	ppb	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110515.D
 Acq On : 05 Nov 2022 03:03 pm
 Operator : VM
 Sample : 20 ppb 8260 ICAL 67-1770
 Misc : soil/water
 ALS Vial : 11 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:27 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110515.D
 Acq On : 05 Nov 2022 03:03 pm
 Operator : VM
 Sample : 20 ppb 8260 ICAL 67-1770
 Misc : soil/water
 ALS Vial : 11 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:27 2022
 Quant Method : D:\Methods\Inst13\V8110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2 TMP	Ethanol	-1.000	0.000	0.0	0	0.00
3 S	Dibromofluoromethane	10.000	10.013	-0.1	100	0.00
4 TMP	Dichlorodifluoromethane	20.000	18.434	7.8	100	-0.01
5 TMP	Chloromethane	20.000	19.301	3.5	100	-0.01
6 TMP	Vinyl chloride	20.000	18.764	6.2	100	0.00
7 TMP	Bromomethane	20.000	20.247	-1.2	100	0.00
8 TMP	Chloroethane	20.000	19.769	1.2	100	-0.01
9 TMP	Trichlorofluoromethane	20.000	19.811	0.9	100	0.00
10 TMP	2-Propanol	-1.000	0.000	0.0	0	0.00
11 TMP	Acetone	100.000	101.273	-1.3	100	0.00
12 TMP	1,1-Dichloroethene	20.000	18.770	6.2	100	-0.01
13 TMP	Hexane	20.000	19.242	3.8	100	0.00
14 TMP	Methylene chloride	20.000	20.124	-0.6	100	0.00
15 TMP	t-Butyl alcohol (TBA)	100.000	91.844	8.2	100	0.00
16 TMP	Methyl t-butyl ether (MTBE)	20.000	19.320	3.4	100	0.00
17 TMP	trans-1,2-Dichloroethene	20.000	18.363	8.2	100	0.00
18 TMP	Diisopropyl ether (DIPE)	20.000	18.760	6.2	100	0.00
19 TMP	1,1-Dichloroethane	20.000	19.223	3.9	100	0.00
20 TMP	Ethyl t-butyl ether (ETBE)	20.000	18.504	7.5	100	0.00
21 TMP	2,2-Dichloropropane	20.000	17.884	10.6	100	-0.01
22 TMP	cis-1,2-Dichloroethene	20.000	18.886	5.6	100	0.00
23 TMP	Chloroform	20.000	18.863	5.7	100	0.00
24 TMP	2-Butanone (MEK)	100.000	101.085	-1.1	100	0.00
25 TMP	t-Amyl methyl ether (TAME)	20.000	19.403	3.0	100	0.00
26 TMP	1,2-Dichloroethane (EDC)	20.000	19.800	1.0	100	-0.01
27 TMP	1,1,1-Trichloroethane	20.000	19.049	4.8	100	0.00
28 TMP	1,1-Dichloropropene	20.000	19.559	2.2	100	0.00
29 TMP	Carbon tetrachloride	20.000	18.427	7.9	100	0.00
30 S	1,2-Dichloroethane-d4	10.000	9.710	2.9	100	0.00
31 TMP	Benzene	20.000	18.539	7.3	100	0.00
32 TMP	Trichloroethene	20.000	18.164	9.2	100	0.00
33 TMP	1,2-Dichloropropane	20.000	18.917	5.4	100	0.00
34 TMP	Bromodichloromethane	20.000	19.782	1.1	100	0.00
35 S	Toluene-d8	10.000	10.093	-0.9	100	0.00
36 TMP	Dibromomethane	20.000	18.262	8.7	100	0.00
37 TMP	4-Methyl-2-pentanone	100.000	101.638	-1.6	100	0.00
38 TMP	cis-1,3-Dichloropropene	20.000	18.705	6.5	100	0.00
39 I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40 TMP	Toluene	20.000	19.521	2.4	100	0.00
41 TMP	trans-1,3-Dichloropropene	20.000	18.667	6.7	100	0.00
42 TMP	1,1,2-Trichloroethane	20.000	19.683	1.6	100	0.00
43 TMP	2-Hexanone	100.000	99.657	0.3	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110515.D
 Acq On : 05 Nov 2022 03:03 pm
 Operator : VM
 Sample : 20 ppb 8260 ICAL 67-1770
 Misc : soil/water
 ALS Vial : 11 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:27 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP 1,3-Dichloropropane	20.000	18.955	5.2	100	-0.01
45	TMP Tetrachloroethene	20.000	19.433	2.8	100	0.00
46	TMP Dibromochloromethane	20.000	19.026	4.9	100	-0.01
47	TMP 1,2-Dibromoethane (EDB)	20.000	18.849	5.8	100	0.00
48	TMP Chlorobenzene	20.000	18.882	5.6	100	0.00
49	TMP Ethylbenzene	20.000	18.701	6.5	100	0.00
50	TMP 1,1,1,2-Tetrachloroethane	20.000	19.080	4.6	100	0.00
51	TMP m,p-Xylene	40.000	37.436	6.4	100	0.00
52	TMP o-Xylene	20.000	18.644	6.8	100	0.00
53	TMP Styrene	20.000	19.506	2.5	100	0.00
54	TMP Isopropylbenzene	20.000	19.488	2.6	100	0.00
55	TMP Bromoform	20.000	18.550	7.2	100	0.00
56	I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S 4-Bromofluorobenzene	10.000	9.551	4.5	100	0.00
58	TMP n-Propylbenzene	20.000	19.546	2.3	100	0.00
59	TMP Bromobenzene	20.000	18.374	8.1	100	0.00
60	TMP 1,3,5-Trimethylbenzene	20.000	19.459	2.7	100	0.00
61	TMP 1,1,2,2-Tetrachloroethane	20.000	20.197	-1.0	100	0.00
62	TMP 1,2,3-Trichloropropane	20.000	18.774	6.1	100	0.00
63	TMP 2-Chlorotoluene	20.000	19.099	4.5	100	0.00
64	TMP 4-Chlorotoluene	20.000	19.208	4.0	100	0.00
65	TMP tert-Butylbenzene	20.000	18.860	5.7	100	0.00
66	TMP 1,2,4-Trimethylbenzene	20.000	19.778	1.1	100	0.00
67	TMP sec-Butylbenzene	20.000	19.304	3.5	100	0.00
68	TMP p-Isopropyltoluene	20.000	19.570	2.1	100	0.00
69	TMP 1,3-Dichlorobenzene	20.000	18.547	7.3	100	0.00
70	TMP 1,4-Dichlorobenzene	20.000	18.509	7.5	100	0.00
71	TMP 1,2-Dichlorobenzene	20.000	18.935	5.3	100	0.00
72	TMP 1,2-Dibromo-3-chloropropane	20.000	18.189	9.1	100	0.00
73	TMP 1,2,4-Trichlorobenzene	20.000	18.552	7.2	100	0.00
74	TMP Hexachlorobutadiene	20.000	18.069	9.7	100	0.00
75	TMP Naphthalene	20.000	18.714	6.4	100	0.00
76	TMP 1,2,3-Trichlorobenzene	20.000	18.968	5.2	100	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110515.D
 Acq On : 05 Nov 2022 03:03 pm
 Operator : VM
 Sample : 20 ppb 8260 ICAL 67-1770
 Misc : soil/water
 ALS Vial : 11 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:27 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2 TMP	Ethanol	0.000	0.000#	0.0	0#	0.00
3 S	Dibromofluoromethane	0.321	0.321	0.0	100	0.00
4 TMP	Dichlorodifluoromethane	0.800	0.737	7.9	100	-0.01
5 TMP	Chloromethane	0.488	0.471	3.5	100	-0.01
6 TMP	Vinyl chloride	0.510	0.478	6.3	100	0.00
7 TMP	Bromomethane	0.432	0.437	-1.2	100	0.00
8 TMP	Chloroethane	0.229	0.226	1.3	100	-0.01
9 TMP	Trichlorofluoromethane	1.123	1.112	1.0	100	0.00
10 TMP	2-Propanol	0.000	0.000	0.0	0#	0.00
11 TMP	Acetone	0.029	0.027	6.9	100	0.00
12 TMP	1,1-Dichloroethene	0.285	0.267	6.3	100	-0.01
13 TMP	Hexane	0.323	0.311	3.7	100	0.00
14 TMP	Methylene chloride	0.289	0.285	1.4	100	0.00
15 TMP	t-Butyl alcohol (TBA)	0.024	0.022#	8.3	100	0.00
16 TMP	Methyl t-butyl ether (MTBE)	0.666	0.643	3.5	100	0.00
17 TMP	trans-1,2-Dichloroethene	0.318	0.292	8.2	100	0.00
18 TMP	Diisopropyl ether (DIPE)	0.698	0.654	6.3	100	0.00
19 TMP	1,1-Dichloroethane	0.463	0.445	3.9	100	0.00
20 TMP	Ethyl t-butyl ether (ETBE)	0.258	0.238	7.8	100	0.00
21 TMP	2,2-Dichloropropane	0.258	0.217	15.9	100	-0.01
22 TMP	cis-1,2-Dichloroethene	0.333	0.315	5.4	100	0.00
23 TMP	Chloroform	0.539	0.508	5.8	100	0.00
24 TMP	2-Butanone (MEK)	0.132	0.127	3.8	100	0.00
25 TMP	t-Amyl methyl ether (TAME)	0.540	0.524	3.0	100	0.00
26 TMP	1,2-Dichloroethane (EDC)	0.465	0.401	13.8	100	-0.01
27 TMP	1,1,1-Trichloroethane	0.482	0.459	4.8	100	0.00
28 TMP	1,1-Dichloropropene	0.370	0.354	4.3	100	0.00
29 TMP	Carbon tetrachloride	0.485	0.447	7.8	100	0.00
30 S	1,2-Dichloroethane-d4	0.062	0.060	3.2	100	0.00
31 TMP	Benzene	1.118	1.037	7.2	100	0.00
32 TMP	Trichloroethene	0.367	0.333	9.3	100	0.00
33 TMP	1,2-Dichloropropane	0.241	0.228	5.4	100	0.00
34 TMP	Bromodichloromethane	0.387	0.382	1.3	100	0.00
35 S	Toluene-d8	0.954	0.963	-0.9	100	0.00
36 TMP	Dibromomethane	0.219	0.200	8.7	100	0.00
37 TMP	4-Methyl-2-pentanone	0.042	0.043	-2.4	100	0.00
38 TMP	cis-1,3-Dichloropropene	0.360	0.337	6.4	100	0.00
39 I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40 TMP	Toluene	0.907	0.782	13.8	100	0.00
41 TMP	trans-1,3-Dichloropropene	0.366	0.333	9.0	100	0.00
42 TMP	1,1,2-Trichloroethane	0.285	0.254	10.9	100	0.00
43 TMP	2-Hexanone	0.190	0.189	0.5	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110515.D
 Acq On : 05 Nov 2022 03:03 pm
 Operator : VM
 Sample : 20 ppb 8260 ICAL 67-1770
 Misc : soil/water
 ALS Vial : 11 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:27 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.457	0.433	5.3	100	-0.01
45 TMP Tetrachloroethene	0.460	0.385	16.3	100	0.00
46 TMP Dibromochloromethane	0.451	0.411	8.9	100	-0.01
47 TMP 1,2-Dibromoethane (EDB)	0.360	0.339	5.8	100	0.00
48 TMP Chlorobenzene	0.993	0.937	5.6	100	0.00
49 TMP Ethylbenzene	1.557	1.456	6.5	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.387	0.369	4.7	100	0.00
51 TMP m,p-Xylene	0.612	0.573	6.4	100	0.00
52 TMP o-Xylene	0.591	0.551	6.8	100	0.00
53 TMP Styrene	0.887	0.865	2.5	100	0.00
54 TMP Isopropylbenzene	1.435	1.399	2.5	100	0.00
55 TMP Bromoform	0.299	0.277	7.4	100	0.00
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	0.689	0.658	4.5	100	0.00
58 TMP n-Propylbenzene	2.700	2.638	2.3	100	0.00
59 TMP Bromobenzene	0.837	0.769	8.1	100	0.00
60 TMP 1,3,5-Trimethylbenzene	1.968	1.914	2.7	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.626	0.586	6.4	100	0.00
62 TMP 1,2,3-Trichloropropane	0.486	0.456#	6.2	100	0.00
63 TMP 2-Chlorotoluene	1.617	1.544	4.5	100	0.00
64 TMP 4-Chlorotoluene	1.912	1.836	4.0	100	0.00
65 TMP tert-Butylbenzene	1.952	1.841	5.7	100	0.00
66 TMP 1,2,4-Trimethylbenzene	1.996	1.974	1.1	100	0.00
67 TMP sec-Butylbenzene	2.624	2.532	3.5	100	0.00
68 TMP p-Isopropyltoluene	2.387	2.336	2.1	100	0.00
69 TMP 1,3-Dichlorobenzene	1.530	1.418	7.3	100	0.00
70 TMP 1,4-Dichlorobenzene	1.564	1.447	7.5	100	0.00
71 TMP 1,2-Dichlorobenzene	1.455	1.377	5.4	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	0.108	0.098	9.3	100	0.00
73 TMP 1,2,4-Trichlorobenzene	0.971	0.900	7.3	100	0.00
74 TMP Hexachlorobutadiene	0.600	0.542	9.7	100	0.00
75 TMP Naphthalene	1.833	1.767	3.6	100	0.00
76 TMP 1,2,3-Trichlorobenzene	0.846	0.802	5.2	100	0.00

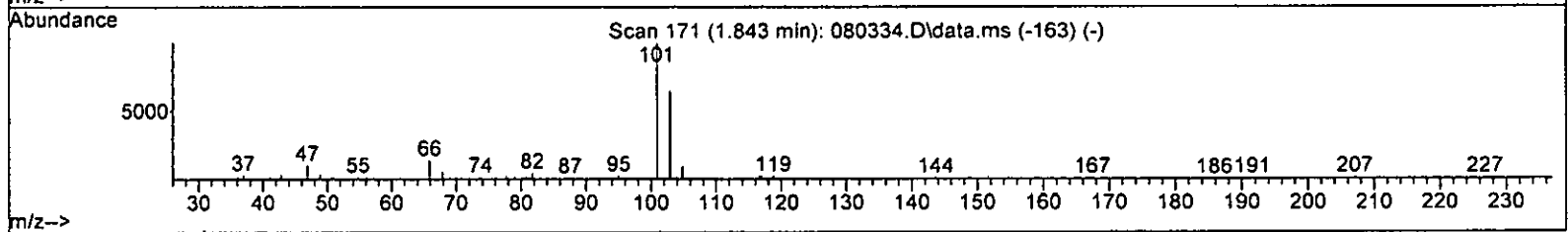
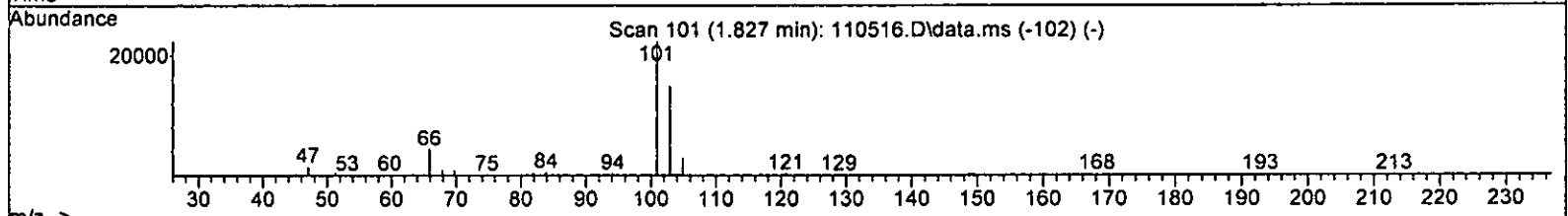
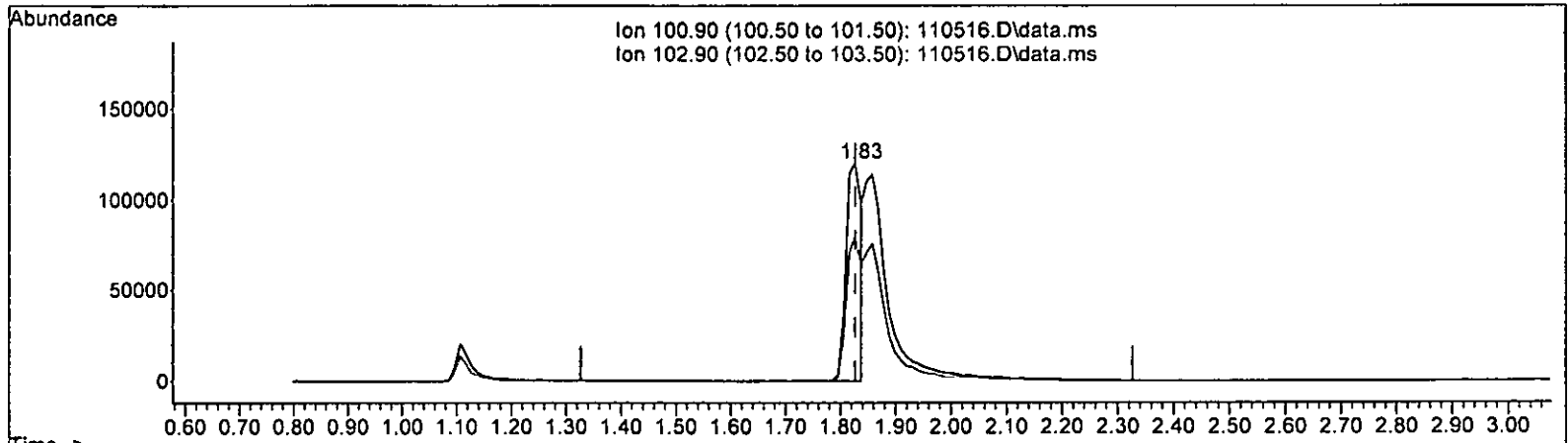
(#) = Out of Range

SPCC's out = 3 CCC's out = 0

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110516.D
 Acq On : 05 Nov 2022 03:26 pm
 Operator : VM
 Sample : 50 ppb 8260 ICAL 67-177Q
 Misc : soil/water
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:29 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110516.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.827min (-0.000) 19.654 ppb

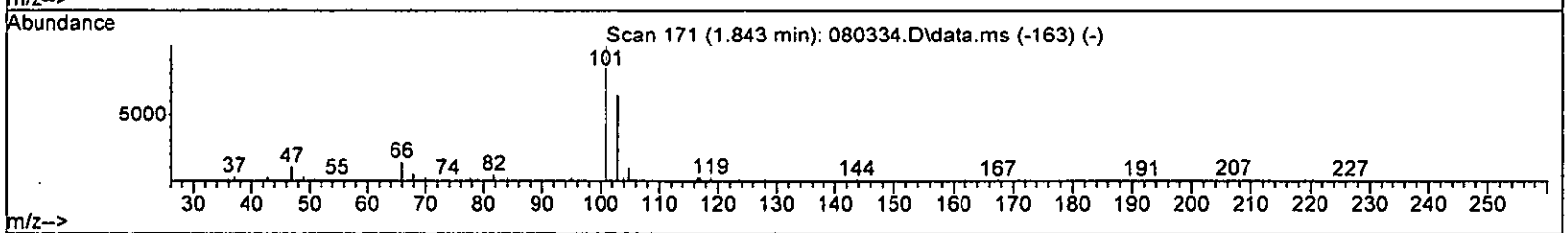
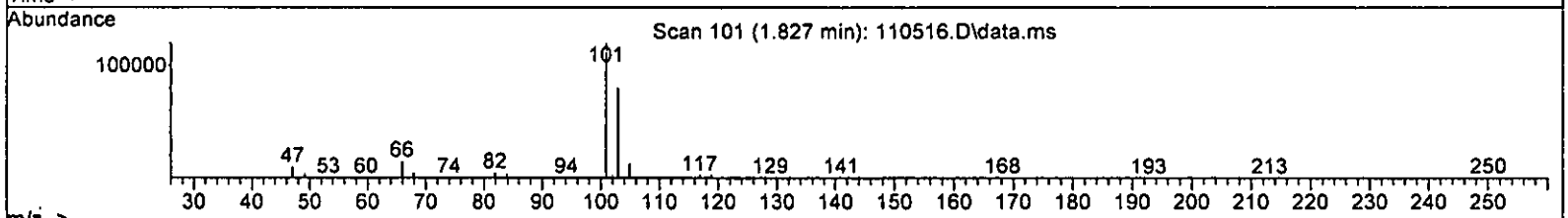
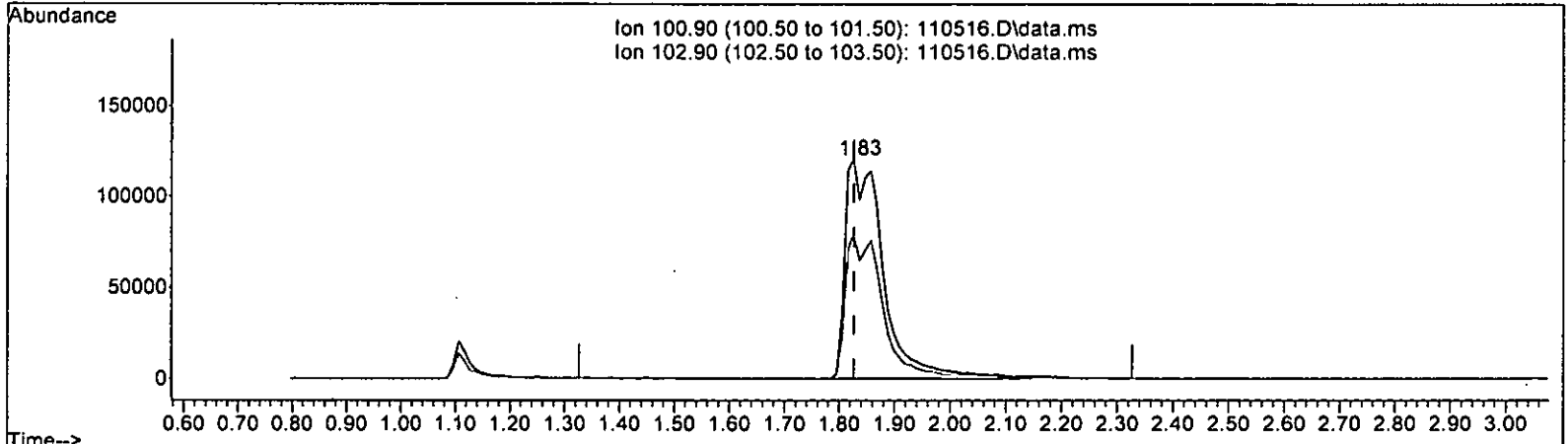
response 230351

Ion	Exp%	Act%
100.90	100.00	100.00
102.90	65.30	66.20
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110516.D
 Acq On : 05 Nov 2022 03:26 pm
 Operator : VM
 Sample : 50 ppb 8260 ICAL 67-177Q
 Misc : soil/water
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:29 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110516.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.827min (-0.000) 51.517 ppb m

response 603804

Ion	Exp%	Act%
100.90	100.00	100.00
102.90	65.30	66.20
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110516.D
 Acq On : 05 Nov 2022 03:26 pm
 Operator : VM
 Sample : 50 ppb 8260 ICAL 67-177Q
 Misc : soil/water
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:29 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	4.75	96	104359	10.000	ppb	0.00	
39) Chlorobenzene-d5	7.40	117	89151	10.000	ppb	0.00	
56) 1,4-Dichlorobenzene-d4	9.62	152	54409	10.000	ppb	0.00	
System Monitoring Compounds							
3) Dibromofluoromethane	4.17	113	33926	10.137	ppb	0.00	
Spiked Amount	10.000		Range 50 - 150	Recovery	=	101.40%	
30) 1,2-Dichloroethane-d4	4.45	102	6097	9.401	ppb	0.00	
Spiked Amount	10.000		Range 84 - 120	Recovery	=	94.00%	
35) Toluene-d8	6.10	98	99660	10.013	ppb	0.00	
Spiked Amount	10.000		Range 73 - 128	Recovery	=	100.10%	
57) 4-Bromofluorobenzene	8.51	95	35686	9.519	ppb	0.00	
Spiked Amount	10.000		Range 57 - 146	Recovery	=	95.20%	
Target Compounds							
							Qvalue
2) Ethanol	2.32	45	1031	No Calib			
4) Dichlorodifluoromethane	1.11	85	425263	50.935	ppb	100	
5) Chloromethane	1.25	50	259514	50.941	ppb	94	
6] Vinyl chloride	1.33	62	258562	48.608	ppb	93	
7) Bromomethane	1.58	94	218505	48.464	ppb	98	
8] Chloroethane	1.64	64	121939	51.097	ppb	95	
9) Trichlorofluoromethane	1.83	101	603804m	51.517	ppb		
10) 2-Propanol	2.32	45	1031	No Calib			
11) Acetone	2.32	58	71817	256.870	ppb	94	
12] 1,1-Dichloroethene	2.26	96	142681	47.989	ppb	81	
13) Hexane	3.16	57	167601	49.679	ppb	99	
14) Methylene chloride	2.68	84	143663	50.173	ppb	97	
15) t-Butyl alcohol (TBA)	2.82	59	62329	248.840	ppb	85	
16] Methyl t-butyl ether (...)	2.92	73	351150	50.539	ppb	96	
17] trans-1,2-Dichloroethene	2.91	96	158198	47.600	ppb	83	
18) Diisopropyl ether (DIPE)	3.35	45	386497	53.077	ppb	98	
19] 1,1-Dichloroethane	3.27	63	240681	49.769	ppb	97	
20) Ethyl t-butyl ether (E...)	3.65	87	134083	49.874	ppb	92	
21) 2,2-Dichloropropane	3.76	77	141859	53.787	ppb	99	
22] cis-1,2-Dichloroethene	3.77	96	168576	48.489	ppb	97	
23) Chloroform	4.04	83	274480	48.831	ppb	98	
24) 2-Butanone (MEK)	3.79	43	338019	256.148	ppb	98	
25) t-Amyl methyl ether (T...)	4.61	73	296144	52.509	ppb	95	
26] 1,2-Dichloroethane (EDC)	4.52	62	212803	50.632	ppb	92	
27] 1,1,1-Trichloroethane	4.19	97	259725	51.653	ppb	97	
28) 1,1-Dichloropropene	4.33	75	193901	50.975	ppb	96	
29) Carbon tetrachloride	4.33	117	251127	49.603	ppb	100	
31] Benzene	4.50	78	550546	47.173	ppb	100	
32] Trichloroethene	5.05	95	177703	46.458	ppb	# 76	
33) 1,2-Dichloropropane	5.24	63	124438	49.488	ppb	97	
34) Bromodichloromethane	5.48	83	208051	51.566	ppb	94	
36) Dibromomethane	5.35	93	108653	47.441	ppb	# 80	

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110516.D
 Acq On : 05 Nov 2022 03:26 pm
 Operator : VM
 Sample : 50 ppb 8260 ICAL 67-177Q
 Misc : soil/water
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:29 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

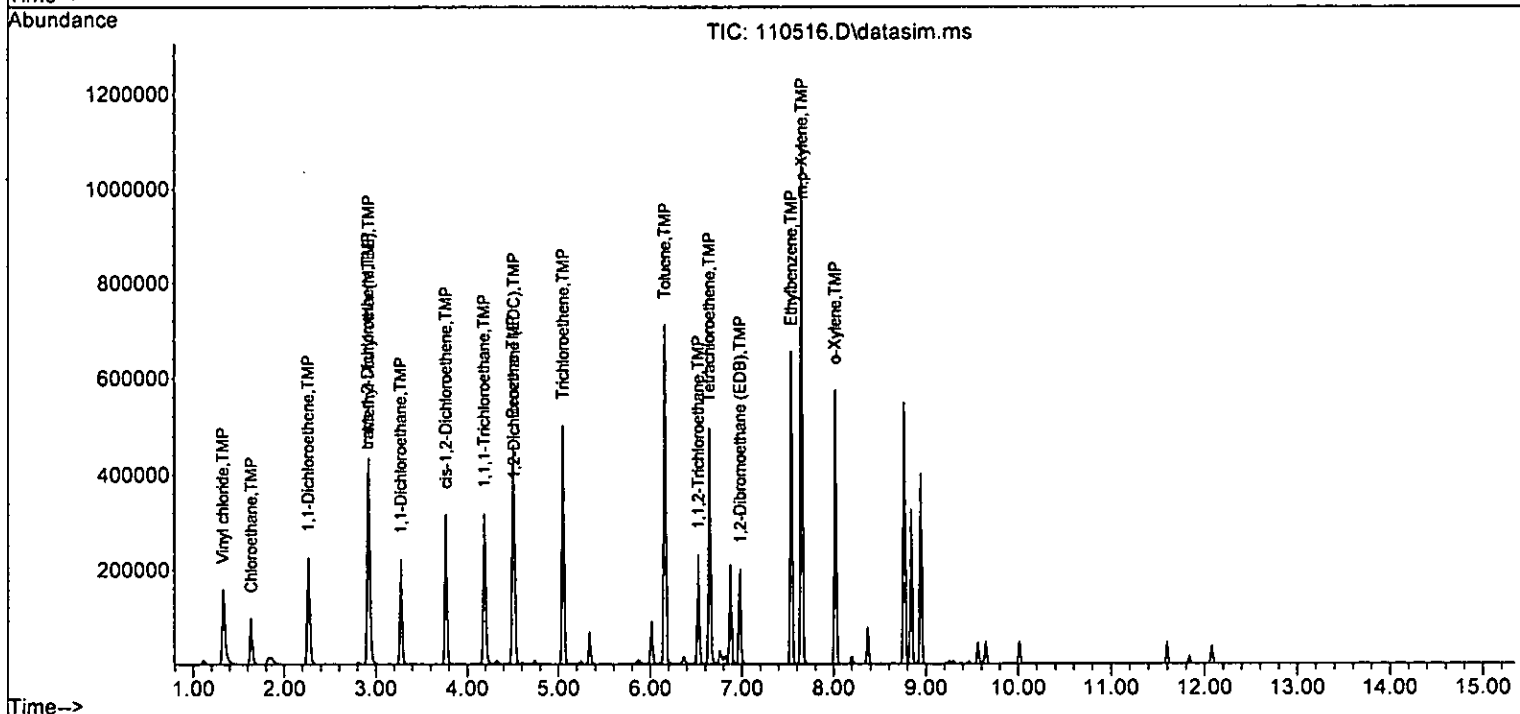
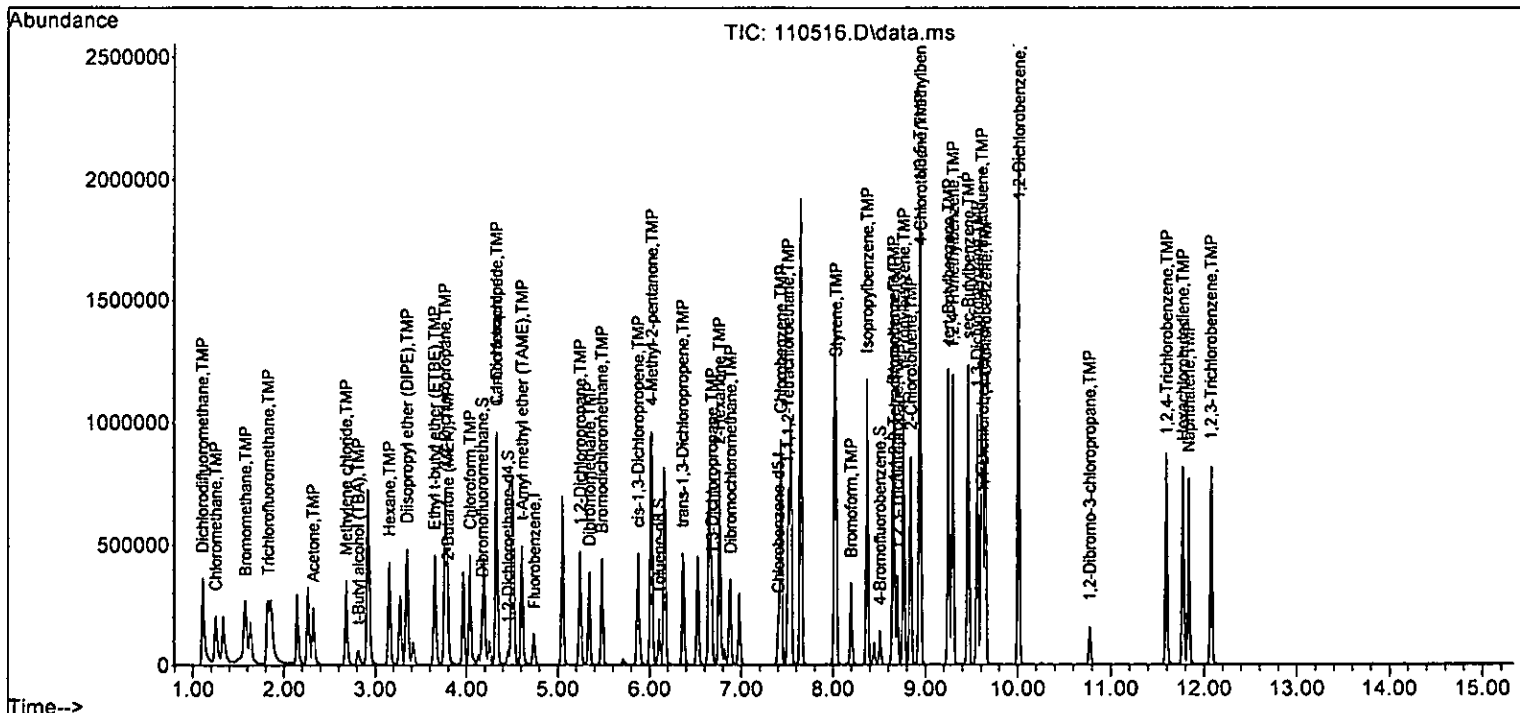
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	6.02	85	115859	261.687	ppb	96
38) cis-1,3-Dichloropropene	5.88	75	195682	52.073	ppb	94
40) Toluene	6.16	92	359717	50.375	ppb	95
41) trans-1,3-Dichloropropene	6.36	75	169634	51.247	ppb	91
42) 1,1,2-Trichloroethane	6.53	83	114906	50.226	ppb	90
43) 2-Hexanone	6.76	43	429891	254.388	ppb	96
44) 1,3-Dichloropropane	6.68	76	194481	47.712	ppb	99
45) Tetrachloroethene	6.65	164	178122	50.027	ppb	95
46) Dibromochloromethane	6.88	129	200310	50.775	ppb	99
47) 1,2-Dibromoethane (EDB)	6.98	107	156105	48.703	ppb	99
48) Chlorobenzene	7.43	112	431484	48.741	ppb	96
49) Ethylbenzene	7.54	91	664924	47.905	ppb	94
50) 1,1,1,2-Tetrachloroethane	7.51	131	179736	52.155	ppb	98
51) m,p-Xylene	7.65	106	525902	96.419	ppb	87
52) o-Xylene	8.02	106	258443	49.074	ppb	87
53) Styrene	8.03	104	406863	51.436	ppb	98
54) Isopropylbenzene	8.37	105	659285	51.519	ppb	94
55) Bromoform	8.20	173	136842	51.334	ppb	98
58) n-Propylbenzene	8.77	91	719974	49.016	ppb	90
59) Bromobenzene	8.65	156	216563	47.528	ppb #	81
60) 1,3,5-Trimethylbenzene	8.94	105	544631	50.873	ppb	93
61) 1,1,2,2-Tetrachloroethane	8.66	83	155632	49.738	ppb	97
62) 1,2,3-Trichloropropane	8.70	75	118403	44.757	ppb	93
63) 2-Chlorotoluene	8.84	91	417432	47.454	ppb	87
64) 4-Chlorotoluene	8.95	91	497012	47.777	ppb	87
65) tert-Butylbenzene	9.25	119	531939	50.088	ppb	93
66) 1,2,4-Trimethylbenzene	9.30	105	559878	51.545	ppb	93
67) sec-Butylbenzene	9.46	105	722254	50.593	ppb	94
68) p-Isopropyltoluene	9.61	119	676308	52.076	ppb	96
69) 1,3-Dichlorobenzene	9.56	146	396377	47.631	ppb	96
70) 1,4-Dichlorobenzene	9.65	146	405175	47.614	ppb	96
71) 1,2-Dichlorobenzene	10.01	146	386586	48.847	ppb	97
72) 1,2-Dibromo-3-chloropr...	10.77	75	28369	48.320	ppb	94
73) 1,2,4-Trichlorobenzene	11.60	180	267870	50.728	ppb	97
74) Hexachlorobutadiene	11.77	225	153221	46.956	ppb	96
75) Naphthalene	11.83	128	548761	51.009	ppb	99
76) 1,2,3-Trichlorobenzene	12.08	180	242270	52.636	ppb	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

1

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110516.D
 Acq On : 05 Nov 2022 03:26 pm
 Operator : VM
 Sample : 50 ppb 8260 ICAL 67-177Q
 Misc : soil/water
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:29 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110516.D
 Acq On : 05 Nov 2022 03:26 pm
 Operator : VM
 Sample : 50 ppb 8260 ICAL 67-177Q
 Misc : soil/water
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 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2 TMP	Ethanol	-1.000	0.000	0.0	0	-0.01
3 S	Dibromofluoromethane	10.000	10.137	-1.4	100	0.00
4 TMP	Dichlorodifluoromethane	50.000	50.935	-1.9	100	-0.01
5 TMP	Chloromethane	50.000	50.941	-1.9	100	-0.01
6 TMP	Vinyl chloride	50.000	48.608	2.8	100	-0.01
7 TMP	Bromomethane	50.000	48.464	3.1	100	0.00
8 TMP	Chloroethane	50.000	51.097	-2.2	100	-0.01
9 TMP	Trichlorofluoromethane	50.000	51.517	-3.0	100	0.00
10 TMP	2-Propanol	-1.000	0.000	0.0	0	-0.01
11 TMP	Acetone	250.000	256.870	-2.7	100	-0.01
12 TMP	1,1-Dichloroethene	50.000	47.989	4.0	100	-0.01
13 TMP	Hexane	50.000	49.679	0.6	100	0.00
14 TMP	Methylene chloride	50.000	50.173	-0.3	100	0.00
15 TMP	t-Butyl alcohol (TBA)	250.000	248.840	0.5	100	0.00
16 TMP	Methyl t-butyl ether (MTBE)	50.000	50.539	-1.1	100	-0.01
17 TMP	trans-1,2-Dichloroethene	50.000	47.600	4.8	100	-0.01
18 TMP	Diisopropyl ether (DIPE)	50.000	53.077	-6.2	100	0.00
19 TMP	1,1-Dichloroethane	50.000	49.769	0.5	100	0.00
20 TMP	Ethyl t-butyl ether (ETBE)	50.000	49.874	0.3	100	-0.01
21 TMP	2,2-Dichloropropane	50.000	53.787	-7.6	100	-0.01
22 TMP	cis-1,2-Dichloroethene	50.000	48.489	3.0	100	0.00
23 TMP	Chloroform	50.000	48.831	2.3	100	0.00
24 TMP	2-Butanone (MEK)	250.000	256.148	-2.5	100	0.00
25 TMP	t-Amyl methyl ether (TAME)	50.000	52.509	-5.0	100	0.00
26 TMP	1,2-Dichloroethane (EDC)	50.000	50.632	-1.3	100	-0.01
27 TMP	1,1,1-Trichloroethane	50.000	51.653	-3.3	100	0.00
28 TMP	1,1-Dichloropropene	50.000	50.975	-2.0	100	0.00
29 TMP	Carbon tetrachloride	50.000	49.603	0.8	100	0.00
30 S	1,2-Dichloroethane-d4	10.000	9.401	6.0	100	0.00
31 TMP	Benzene	50.000	47.173	5.7	100	0.00
32 TMP	Trichloroethene	50.000	46.458	7.1	100	0.00
33 TMP	1,2-Dichloropropane	50.000	49.488	1.0	100	0.00
34 TMP	Bromodichloromethane	50.000	51.566	-3.1	100	0.00
35 S	Toluene-d8	10.000	10.013	-0.1	100	0.00
36 TMP	Dibromomethane	50.000	47.441	5.1	100	0.00
37 TMP	4-Methyl-2-pentanone	250.000	261.687	-4.7	100	0.00
38 TMP	cis-1,3-Dichloropropene	50.000	52.073	-4.1	100	0.00
39 I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40 TMP	Toluene	50.000	50.375	-0.8	100	0.00
41 TMP	trans-1,3-Dichloropropene	50.000	51.247	-2.5	100	0.00
42 TMP	1,1,2-Trichloroethane	50.000	50.226	-0.5	100	0.00
43 TMP	2-Hexanone	250.000	254.388	-1.8	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110516.D
 Acq On : 05 Nov 2022 03:26 pm
 Operator : VM
 Sample : 50 ppb 8260 ICAL 67-177Q
 Misc : soil/water
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:29 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	50.000	47.712	4.6	100	0.00
45 TMP Tetrachloroethene	50.000	50.027	-0.1	100	0.00
46 TMP Dibromochloromethane	50.000	50.775	-1.5	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	50.000	48.703	2.6	100	0.00
48 TMP Chlorobenzene	50.000	48.741	2.5	100	0.00
49 TMP Ethylbenzene	50.000	47.905	4.2	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	50.000	52.155	-4.3	100	0.00
51 TMP m,p-Xylene	100.000	96.419	3.6	100	0.00
52 TMP o-Xylene	50.000	49.074	1.9	100	0.00
53 TMP Styrene	50.000	51.436	-2.9	100	0.00
54 TMP Isopropylbenzene	50.000	51.519	-3.0	100	0.00
55 TMP Bromoform	50.000	51.334	-2.7	100	0.00
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	10.000	9.519	4.8	100	0.00
58 TMP n-Propylbenzene	50.000	49.016	2.0	100	0.00
59 TMP Bromobenzene	50.000	47.528	4.9	100	0.00
60 TMP 1,3,5-Trimethylbenzene	50.000	50.873	-1.7	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	50.000	49.738	0.5	100	0.00
62 TMP 1,2,3-Trichloropropane	50.000	44.757	10.5	100	0.00
63 TMP 2-Chlorotoluene	50.000	47.454	5.1	100	0.00
64 TMP 4-Chlorotoluene	50.000	47.777	4.4	100	0.00
65 TMP tert-Butylbenzene	50.000	50.088	-0.2	100	0.00
66 TMP 1,2,4-Trimethylbenzene	50.000	51.545	-3.1	100	0.00
67 TMP sec-Butylbenzene	50.000	50.593	-1.2	100	0.00
68 TMP p-Isopropyltoluene	50.000	52.076	-4.2	100	0.00
69 TMP 1,3-Dichlorobenzene	50.000	47.631	4.7	100	0.00
70 TMP 1,4-Dichlorobenzene	50.000	47.614	4.8	100	0.00
71 TMP 1,2-Dichlorobenzene	50.000	48.847	2.3	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	50.000	48.320	3.4	100	0.00
73 TMP 1,2,4-Trichlorobenzene	50.000	50.728	-1.5	100	0.00
74 TMP Hexachlorobutadiene	50.000	46.956	6.1	100	0.00
75 TMP Naphthalene	50.000	51.009	-2.0	100	0.00
76 TMP 1,2,3-Trichlorobenzene	50.000	52.636	-5.3	100	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110516.D
 Acq On : 05 Nov 2022 03:26 pm
 Operator : VM
 Sample : 50 ppb 8260 ICAL 67-177Q
 Misc : soil/water
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:29 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2 TMP	Ethanol	0.000	0.000#	0.0	0#	-0.01
3 S	Dibromofluoromethane	0.321	0.325	-1.2	100	0.00
4 TMP	Dichlorodifluoromethane	0.800	0.815	-1.9	100	-0.01
5 TMP	Chloromethane	0.488	0.497	-1.8	100	-0.01
6 TMP	Vinyl chloride	0.510	0.496	2.7	100	-0.01
7 TMP	Bromomethane	0.432	0.419	3.0	100	0.00
8 TMP	Chloroethane	0.229	0.234	-2.2	100	-0.01
9 TMP	Trichlorofluoromethane	1.123	1.157	-3.0	100	0.00
10 TMP	2-Propanol	0.000	0.000	0.0	0#	-0.01
11 TMP	Acetone	0.029	0.028	3.4	100	-0.01
12 TMP	1,1-Dichloroethene	0.285	0.273	4.2	100	-0.01
13 TMP	Hexane	0.323	0.321	0.6	100	0.00
14 TMP	Methylene chloride	0.289	0.275	4.8	100	0.00
15 TMP	t-Butyl alcohol (TBA)	0.024	0.024#	0.0	100	0.00
16 TMP	Methyl t-butyl ether (MTBE)	0.666	0.673	-1.1	100	-0.01
17 TMP	trans-1,2-Dichloroethene	0.318	0.303	4.7	100	-0.01
18 TMP	Diisopropyl ether (DIPE)	0.698	0.741	-6.2	100	0.00
19 TMP	1,1-Dichloroethane	0.463	0.461	0.4	100	0.00
20 TMP	Ethyl t-butyl ether (ETBE)	0.258	0.257	0.4	100	-0.01
21 TMP	2,2-Dichloropropane	0.258	0.272	-5.4	100	-0.01
22 TMP	cis-1,2-Dichloroethene	0.333	0.323	3.0	100	0.00
23 TMP	Chloroform	0.539	0.526	2.4	100	0.00
24 TMP	2-Butanone (MEK)	0.132	0.130	1.5	100	0.00
25 TMP	t-Amyl methyl ether (TAME)	0.540	0.568	-5.2	100	0.00
26 TMP	1,2-Dichloroethane (EDC)	0.465	0.408	12.3	100	-0.01
27 TMP	1,1,1-Trichloroethane	0.482	0.498	-3.3	100	0.00
28 TMP	1,1-Dichloropropene	0.370	0.372	-0.5	100	0.00
29 TMP	Carbon tetrachloride	0.485	0.481	0.8	100	0.00
30 S	1,2-Dichloroethane-d4	0.062	0.058	6.5	100	0.00
31 TMP	Benzene	1.118	1.055	5.6	100	0.00
32 TMP	Trichloroethene	0.367	0.341	7.1	100	0.00
33 TMP	1,2-Dichloropropane	0.241	0.238	1.2	100	0.00
34 TMP	Bromodichloromethane	0.387	0.399	-3.1	100	0.00
35 S	Toluene-d8	0.954	0.955	-0.1	100	0.00
36 TMP	Dibromomethane	0.219	0.208	5.0	100	0.00
37 TMP	4-Methyl-2-pentanone	0.042	0.044	-4.8	100	0.00
38 TMP	cis-1,3-Dichloropropene	0.360	0.375	-4.2	100	0.00
39 I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40 TMP	Toluene	0.907	0.807	11.0	100	0.00
41 TMP	trans-1,3-Dichloropropene	0.366	0.381	-4.1	100	0.00
42 TMP	1,1,2-Trichloroethane	0.285	0.258	9.5	100	0.00
43 TMP	2-Hexanone	0.190	0.193	-1.6	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110516.D
 Acq On : 05 Nov 2022 03:26 pm
 Operator : VM
 Sample : 50 ppb 8260 ICAL 67-177Q
 Misc : soil/water
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:29 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.457	0.436	4.6	100	0.00
45 TMP Tetrachloroethene	0.460	0.400	13.0	100	0.00
46 TMP Dibromochloromethane	0.451	0.449	0.4	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	0.360	0.350	2.8	100	0.00
48 TMP Chlorobenzene	0.993	0.968	2.5	100	0.00
49 TMP Ethylbenzene	1.557	1.492	4.2	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.387	0.403	-4.1	100	0.00
51 TMP m,p-Xylene	0.612	0.590	3.6	100	0.00
52 TMP o-Xylene	0.591	0.580	1.9	100	0.00
53 TMP Styrene	0.887	0.913	-2.9	100	0.00
54 TMP Isopropylbenzene	1.435	1.479	-3.1	100	0.00
55 TMP Bromoform	0.299	0.307	-2.7	100	0.00
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	0.689	0.656	4.8	100	0.00
58 TMP n-Propylbenzene	2.700	2.647	2.0	100	0.00
59 TMP Bromobenzene	0.837	0.796	4.9	100	0.00
60 TMP 1,3,5-Trimethylbenzene	1.968	2.002	-1.7	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.626	0.572	8.6	100	0.00
62 TMP 1,2,3-Trichloropropane	0.486	0.435#	10.5	100	0.00
63 TMP 2-Chlorotoluene	1.617	1.534	5.1	100	0.00
64 TMP 4-Chlorotoluene	1.912	1.827	4.4	100	0.00
65 TMP tert-Butylbenzene	1.952	1.955	-0.2	100	0.00
66 TMP 1,2,4-Trimethylbenzene	1.996	2.058	-3.1	100	0.00
67 TMP sec-Butylbenzene	2.624	2.655	-1.2	100	0.00
68 TMP p-Isopropyltoluene	2.387	2.486	-4.1	100	0.00
69 TMP 1,3-Dichlorobenzene	1.530	1.457	4.8	100	0.00
70 TMP 1,4-Dichlorobenzene	1.564	1.489	4.8	100	0.00
71 TMP 1,2-Dichlorobenzene	1.455	1.421	2.3	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	0.108	0.104	3.7	100	0.00
73 TMP 1,2,4-Trichlorobenzene	0.971	0.985	-1.4	100	0.00
74 TMP Hexachlorobutadiene	0.600	0.563	6.2	100	0.00
75 TMP Naphthalene	1.833	2.017	-10.0	100	0.00
76 TMP 1,2,3-Trichlorobenzene	0.846	0.891	-5.3	100	0.00

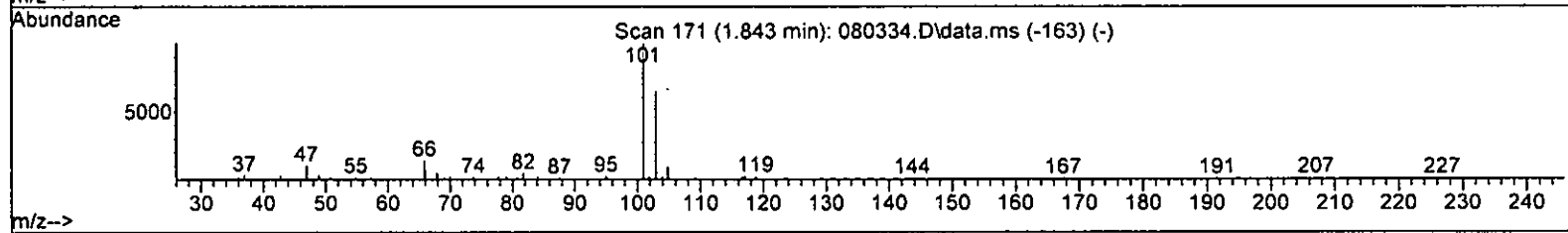
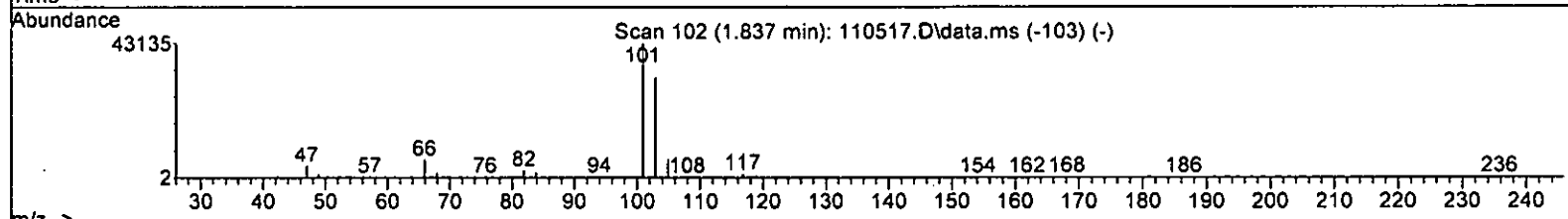
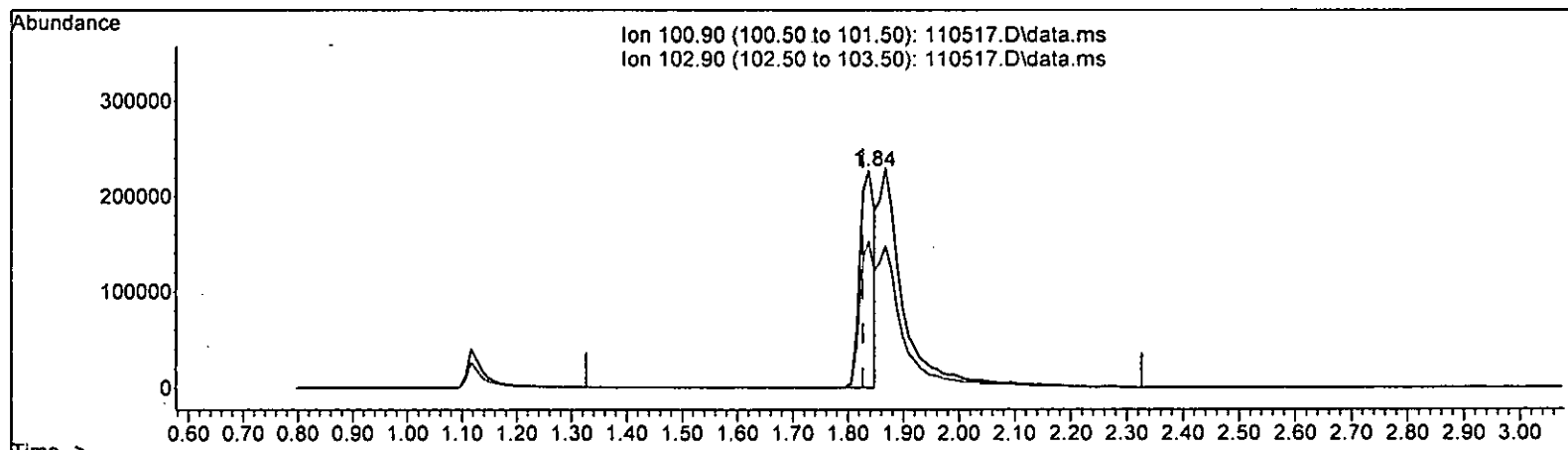
(#) = Out of Range

SPCC's out = 3 CCC's out = 0

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110517.D
 Acq On : 05 Nov 2022 03:49 pm
 Operator : VM
 Sample : 100 ppb 8260 ICAL 67-177S
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:31 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110517.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.837min (+ 0.010) 35.758 ppb

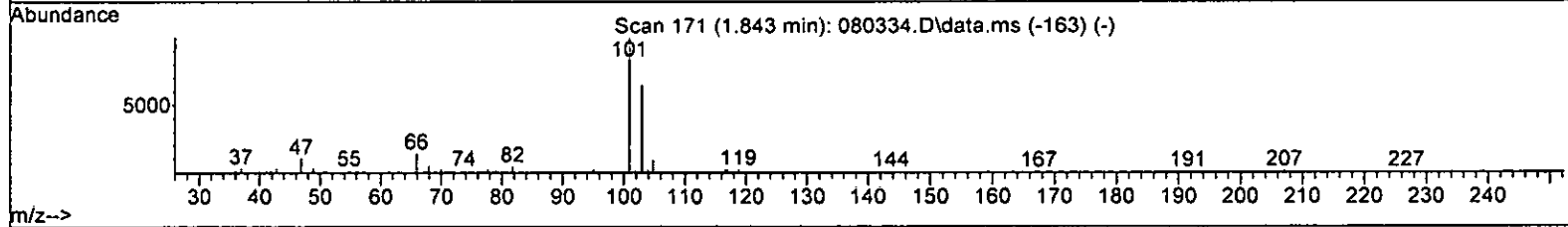
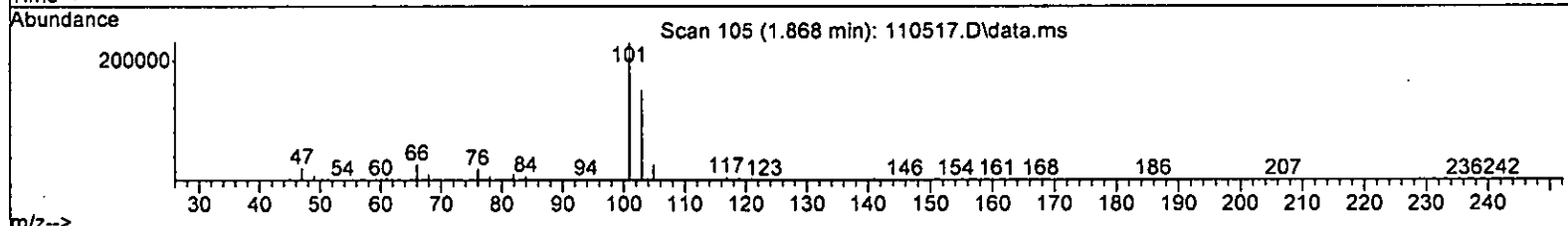
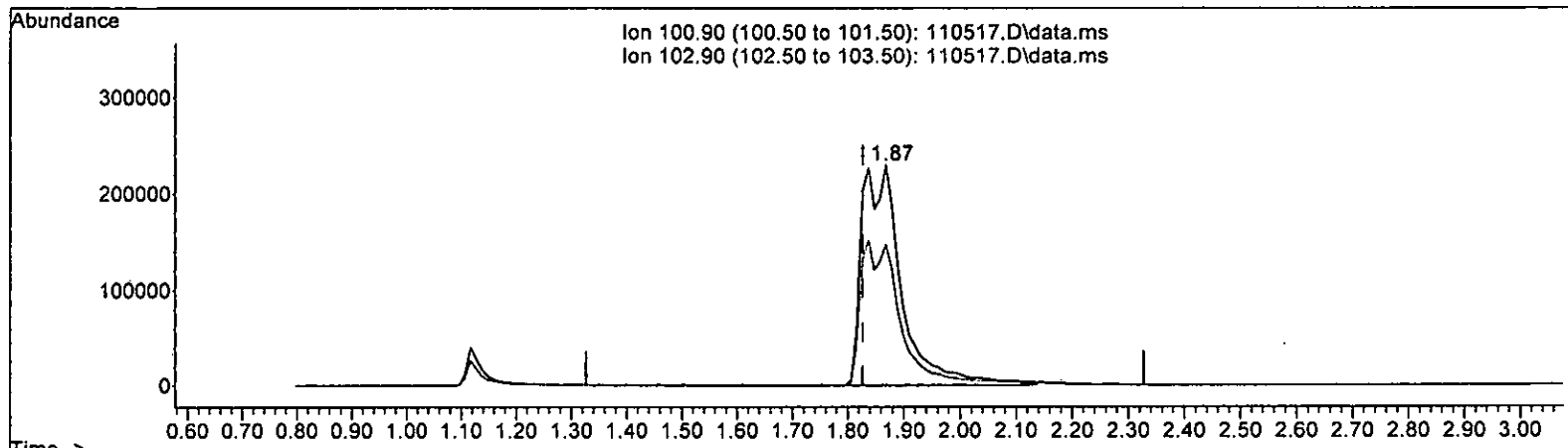
response 422448

Ion	Exp%	Act%
100.90	100.00	100.00
102.90	65.30	67.17
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110517.D
 Acq On : 05 Nov 2022 03:49 pm
 Operator : VM
 Sample : 100 ppb 8260 ICAL 67-177S
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:31 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110517.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.868min (+ 0.041) 100.168 ppb m

response 1183404

Ion	Exp%	Act%
100.90	100.00	100.00
102.90	65.30	64.39
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110517.D
 Acq On : 05 Nov 2022 03:49 pm
 Operator : VM
 Sample : 100 ppb 8260 ICAL 67-177S
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:31 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	4.75	96	105192	10.000	ppb	0.00
39) Chlorobenzene-d5	7.40	117	89610	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	53646	10.000	ppb	# 0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.17	113	33932	10.059	ppb	0.00
Spiked Amount	10.000	Range 50 - 150	Recovery	=	100.60%	
30) 1,2-Dichloroethane-d4	4.45	102	6377	9.755	ppb	0.00
Spiked Amount	10.000	Range 84 - 120	Recovery	=	97.50%	
35) Toluene-d8	6.10	98	103154	10.282	ppb	0.00
Spiked Amount	10.000	Range 73 - 128	Recovery	=	102.80%	
57) 4-Bromofluorobenzene	8.51	95	35439	9.587	ppb	0.00
Spiked Amount	10.000	Range 57 - 146	Recovery	=	95.90%	
Target Compounds						
						Qvalue
2) Ethanol	2.33	45	1809	No Calib		
4) Dichlorodifluoromethane	1.12	85	860744	102.278	ppb	99
5) Chloromethane	1.26	50	514764	100.244	ppb	94
6] Vinyl chloride	1.34	62	502810	93.776	ppb	92
7) Bromomethane	1.59	94	428185	94.218	ppb	99
8] Chloroethane	1.65	64	236636	98.373	ppb	98
9) Trichlorofluoromethane	1.87	101	1183404m	100.168	ppb	
10) 2-Propanol	2.33	45	1809	No Calib	#	
11) Acetone	2.33	58	141862	487.278	ppb	89
12] 1,1-Dichloroethene	2.27	96	278841	93.041	ppb	82
13) Hexane	3.16	57	334108	98.249	ppb	99
14) Methylene chloride	2.69	84	284355	99.445	ppb	98
15) t-Butyl alcohol (TBA)	2.82	59	128300	508.164	ppb	89
16] Methyl t-butyl ether (...)	2.93	73	703749	100.484	ppb	99
17] trans-1,2-Dichloroethene	2.92	96	309906	92.509	ppb	89
18) Diisopropyl ether (DIPE)	3.35	45	699074	95.242	ppb	98
19] 1,1-Dichloroethane	3.28	63	474578	97.358	ppb	93
20) Ethyl t-butyl ether (E...)	3.66	87	274496	101.295	ppb	95
21) 2,2-Dichloropropane	3.77	77	278976	99.759	ppb	98
22] cis-1,2-Dichloroethene	3.77	96	329614	94.059	ppb	93
23) Chloroform	4.04	83	543954	96.005	ppb	98
24) 2-Butanone (MEK)	3.79	43	670030	497.204	ppb	97
25) t-Amyl methyl ether (T...)	4.61	73	611205	107.515	ppb	95
26] 1,2-Dichloroethane (EDC)	4.53	62	413759	98.390	ppb	97
27] 1,1,1-Trichloroethane	4.19	97	527092	103.996	ppb	96
28) 1,1-Dichloropropene	4.33	75	384929	99.233	ppb	98
29) Carbon tetrachloride	4.33	117	524354	102.752	ppb	99
31] Benzene	4.50	78	1068708	90.846	ppb	96
32] Trichloroethene	5.05	95	353871	91.783	ppb	87
33) 1,2-Dichloropropane	5.24	63	247385	97.604	ppb	97
34) Bromodichloromethane	5.48	83	414881	102.016	ppb	93
36) Dibromomethane	5.35	93	212727	92.148	ppb	# 82

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110517.D
 Acq On : 05 Nov 2022 03:49 pm
 Operator : VM
 Sample : 100 ppb 8260 ICAL 67-177S
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS13

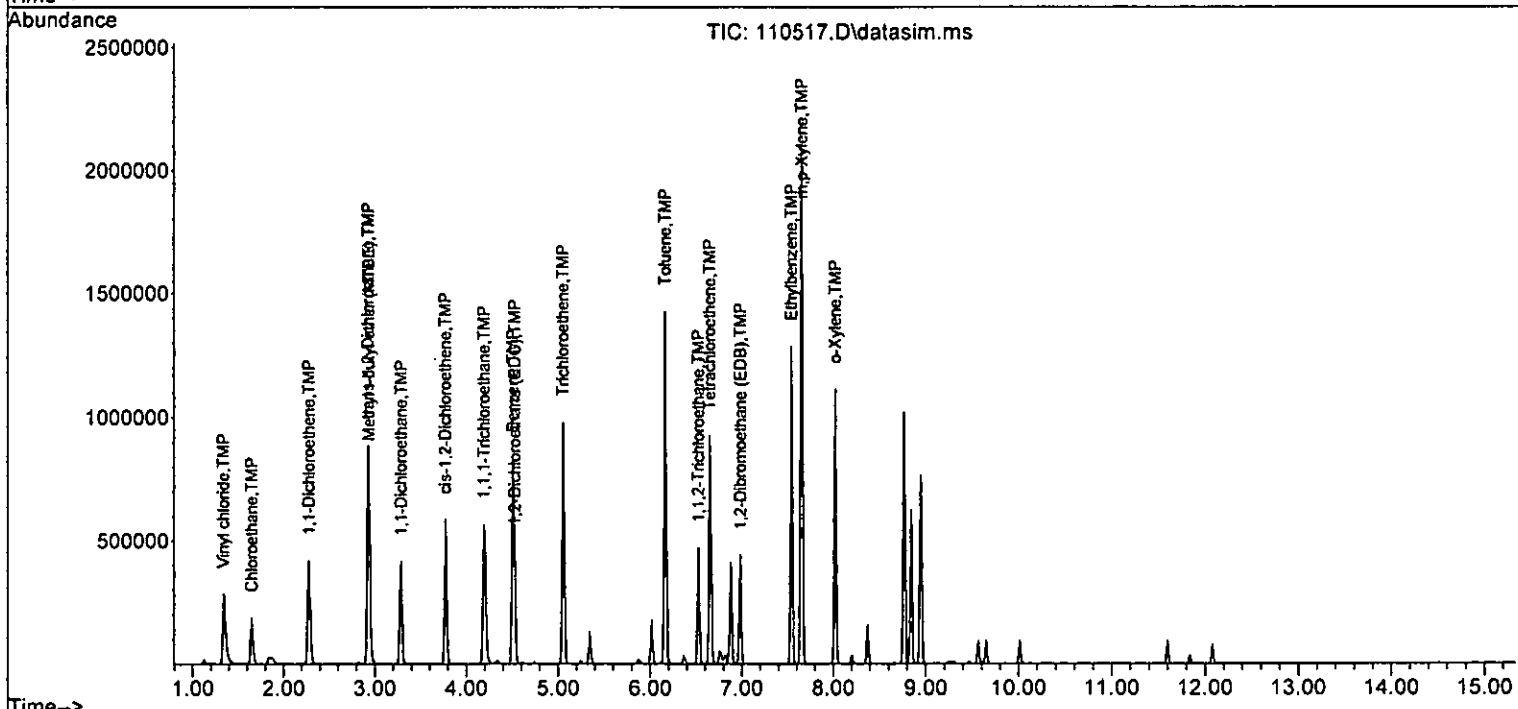
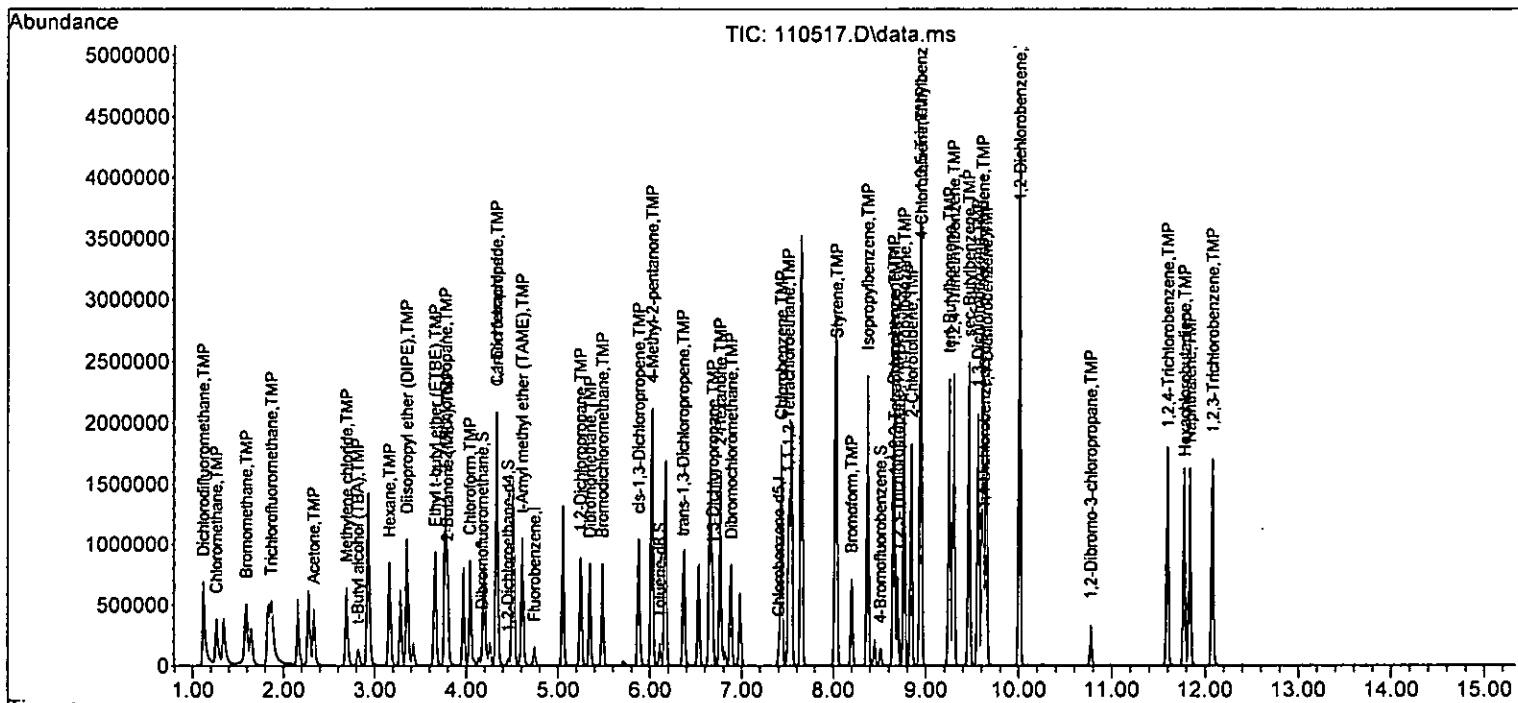
Quant Time: Nov 07 15:17:31 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	6.02	85	233727	523.731	ppb	92
38) cis-1,3-Dichloropropene	5.88	75	414829	109.515	ppb	93
40] Toluene	6.16	92	714832	99.536	ppb	96
41) trans-1,3-Dichloropropene	6.36	75	362461	102.439	ppb	90
42] 1,1,2-Trichloroethane	6.53	83	226873	99.549	ppb	94
43) 2-Hexanone	6.76	43	839889	494.459	ppb	96
44) 1,3-Dichloropropane	6.68	76	383337	93.563	ppb	100
45] Tetrachloroethene	6.65	164	362286	99.678	ppb	97
46) Dibromochloromethane	6.88	129	417420	101.492	ppb	100
47] 1,2-Dibromoethane (EDB)	6.98	107	312463	96.985	ppb	99
48) Chlorobenzene	7.43	112	877400	98.605	ppb	96
49] Ethylbenzene	7.54	91	1307177	93.694	ppb	94
50) 1,1,1,2-Tetrachloroethane	7.51	131	368821	106.474	ppb	97
51] m,p-Xylene	7.65	106	1043566	190.347	ppb	86
52] o-Xylene	8.02	106	515865	97.451	ppb	86
53) Styrene	8.03	104	814604	102.456	ppb	98
54) Isopropylbenzene	8.37	105	1338012	104.021	ppb	93
55) Bromoform	8.20	173	289069	107.884	ppb	98
58) n-Propylbenzene	8.77	91	1405896	97.074	ppb	89
59) Bromobenzene	8.65	156	448216	99.767	ppb #	79
60) 1,3,5-Trimethylbenzene	8.94	105	1079379	102.257	ppb	90
61) 1,1,2,2-Tetrachloroethane	8.66	83	300453	98.329	ppb	98
62) 1,2,3-Trichloropropane	8.70	75	232114	88.989	ppb	93
63) 2-Chlorotoluene	8.84	91	814498	93.910	ppb	86
64) 4-Chlorotoluene	8.95	91	971587	94.725	ppb	85
65) tert-Butylbenzene	9.25	119	1090813	104.174	ppb	91
66) 1,2,4-Trimethylbenzene	9.30	105	1124498	105.000	ppb	92
67) sec-Butylbenzene	9.46	105	1456640	103.486	ppb	92
68) p-Isopropyltoluene	9.61	119	1391289	108.654	ppb	96
69) 1,3-Dichlorobenzene	9.56	146	811824	98.940	ppb	97
70) 1,4-Dichlorobenzene	9.65	146	821584	97.921	ppb	96
71) 1,2-Dichlorobenzene	10.01	146	788041	100.988	ppb	97
72) 1,2-Dibromo-3-chloropr...	10.77	75	59276	102.399	ppb	92
73) 1,2,4-Trichlorobenzene	11.60	180	560478	107.651	ppb	97
74) Hexachlorobutadiene	11.78	225	317726	98.756	ppb	98
75) Naphthalene	11.83	128	1163987	102.651	ppb	99
76) 1,2,3-Trichlorobenzene	12.08	180	506400	111.587	ppb	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110517.D
 Acq On : 05 Nov 2022 03:49 pm
 Operator : VM
 Sample : 100 ppb 8260 ICAL 67-177S
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:31 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110517.D
 Acq On : 05 Nov 2022 03:49 pm
 Operator : VM
 Sample : 100 ppb 8260 ICAL 67-1775
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:31 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2 TMP	Ethanol	-1.000	0.000	0.0	0	0.00
3 S	Dibromofluoromethane	10.000	10.059	-0.6	100	0.00
4 TMP	Dichlorodifluoromethane	100.000	102.278	-2.3	100	0.00
5 TMP	Chloromethane	100.000	100.244	-0.2	100	0.00
6 TMP	Vinyl chloride	100.000	93.776	6.2	100	0.00
7 TMP	Bromomethane	100.000	94.218	5.8	100	0.01
8 TMP	Chloroethane	100.000	98.373	1.6	100	0.00
9 TMP	Trichlorofluoromethane	100.000	100.168	-0.2	100	0.04
10 TMP	2-Propanol	-1.000	0.000	0.0	0	0.00
11 TMP	Acetone	500.000	487.278	2.5	100	0.00
12 TMP	1,1-Dichloroethene	100.000	93.041	7.0	100	0.00
13 TMP	Hexane	100.000	98.249	1.8	100	0.00
14 TMP	Methylene chloride	100.000	99.445	0.6	100	0.00
15 TMP	t-Butyl alcohol (TBA)	500.000	508.164	-1.6	100	0.00
16 TMP	Methyl t-butyl ether (MTBE)	100.000	100.484	-0.5	100	0.00
17 TMP	trans-1,2-Dichloroethene	100.000	92.509	7.5	100	0.00
18 TMP	Diisopropyl ether (DIPE)	100.000	95.242	4.8	100	0.00
19 TMP	1,1-Dichloroethane	100.000	97.358	2.6	100	0.00
20 TMP	Ethyl t-butyl ether (ETBE)	100.000	101.295	-1.3	100	0.00
21 TMP	2,2-Dichloropropane	100.000	99.759	0.2	100	0.00
22 TMP	cis-1,2-Dichloroethene	100.000	94.059	5.9	100	0.00
23 TMP	Chloroform	100.000	96.005	4.0	100	0.00
24 TMP	2-Butanone (MEK)	500.000	497.204	0.6	100	0.00
25 TMP	t-Amyl methyl ether (TAME)	100.000	107.515	-7.5	100	0.00
26 TMP	1,2-Dichloroethane (EDC)	100.000	98.390	1.6	100	0.00
27 TMP	1,1,1-Trichloroethane	100.000	103.996	-4.0	100	0.00
28 TMP	1,1-Dichloropropene	100.000	99.233	0.8	100	0.00
29 TMP	Carbon tetrachloride	100.000	102.752	-2.8	100	0.00
30 S	1,2-Dichloroethane-d4	10.000	9.755	2.4	100	0.00
31 TMP	Benzene	100.000	90.846	9.2	100	0.00
32 TMP	Trichloroethene	100.000	91.783	8.2	100	0.00
33 TMP	1,2-Dichloropropane	100.000	97.604	2.4	100	0.00
34 TMP	Bromodichloromethane	100.000	102.016	-2.0	100	0.00
35 S	Toluene-d8	10.000	10.282	-2.8	100	0.00
36 TMP	Dibromomethane	100.000	92.148	7.9	100	0.00
37 TMP	4-Methyl-2-pentanone	500.000	523.731	-4.7	100	0.00
38 TMP	cis-1,3-Dichloropropene	100.000	109.515	-9.5	100	0.00
39 I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40 TMP	Toluene	100.000	99.536	0.5	100	0.00
41 TMP	trans-1,3-Dichloropropene	100.000	102.439	-2.4	100	0.00
42 TMP	1,1,2-Trichloroethane	100.000	99.549	0.5	100	0.00
43 TMP	2-Hexanone	500.000	494.459	1.1	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110517.D
 Acq On : 05 Nov 2022 03:49 pm
 Operator : VM
 Sample : 100 ppb 8260 ICAL 67-177S
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:31 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	100.000	93.563	6.4	100	0.00
45 TMP Tetrachloroethene	100.000	99.678	0.3	100	0.00
46 TMP Dibromochloromethane	100.000	101.492	-1.5	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	100.000	96.985	3.0	100	0.00
48 TMP Chlorobenzene	100.000	98.605	1.4	100	0.00
49 TMP Ethylbenzene	100.000	93.694	6.3	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	100.000	106.474	-6.5	100	0.00
51 TMP m,p-Xylene	200.000	190.347	4.8	100	0.00
52 TMP o-Xylene	100.000	97.451	2.5	100	0.00
53 TMP Styrene	100.000	102.456	-2.5	100	0.00
54 TMP Isopropylbenzene	100.000	104.021	-4.0	100	0.00
55 TMP Bromoform	100.000	107.884	-7.9	100	0.00
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	10.000	9.587	4.1	100	0.00
58 TMP n-Propylbenzene	100.000	97.074	2.9	100	0.00
59 TMP Bromobenzene	100.000	99.767	0.2	100	0.00
60 TMP 1,3,5-Trimethylbenzene	100.000	102.257	-2.3	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	100.000	98.329	1.7	100	0.00
62 TMP 1,2,3-Trichloropropane	100.000	88.989	11.0	100	0.00
63 TMP 2-Chlorotoluene	100.000	93.910	6.1	100	0.00
64 TMP 4-Chlorotoluene	100.000	94.725	5.3	100	0.00
65 TMP tert-Butylbenzene	100.000	104.174	-4.2	100	0.00
66 TMP 1,2,4-Trimethylbenzene	100.000	105.000	-5.0	100	0.00
67 TMP sec-Butylbenzene	100.000	103.486	-3.5	100	0.00
68 TMP p-Isopropyltoluene	100.000	108.654	-8.7	100	0.00
69 TMP 1,3-Dichlorobenzene	100.000	98.940	1.1	100	0.00
70 TMP 1,4-Dichlorobenzene	100.000	97.921	2.1	100	0.00
71 TMP 1,2-Dichlorobenzene	100.000	100.988	-1.0	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	100.000	102.399	-2.4	100	0.00
73 TMP 1,2,4-Trichlorobenzene	100.000	107.651	-7.7	100	0.00
74 TMP Hexachlorobutadiene	100.000	98.756	1.2	100	0.00
75 TMP Naphthalene	100.000	102.651	-2.7	100	0.00
76 TMP 1,2,3-Trichlorobenzene	100.000	111.587	-11.6	100	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110517.D
 Acq On : 05 Nov 2022 03:49 pm
 Operator : VM
 Sample : 100 ppb 8260 ICAL 67-1775
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:31 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2 TMP	Ethanol	0.000	0.000#	0.0	0#	0.00
3 S	Dibromofluoromethane	0.321	0.323	-0.6	100	0.00
4 TMP	Dichlorodifluoromethane	0.800	0.818	-2.2	100	0.00
5 TMP	Chloromethane	0.488	0.489	-0.2	100	0.00
6 TMP	Vinyl chloride	0.510	0.478	6.3	100	0.00
7 TMP	Bromomethane	0.432	0.407	5.8	100	0.01
8 TMP	Chloroethane	0.229	0.225	1.7	100	0.00
9 TMP	Trichlorofluoromethane	1.123	1.125	-0.2	100	0.04
10 TMP	2-Propanol	0.000	0.000	0.0	0#	0.00
11 TMP	Acetone	0.029	0.027	6.9	100	0.00
12 TMP	1,1-Dichloroethene	0.285	0.265	7.0	100	0.00
13 TMP	Hexane	0.323	0.318	1.5	100	0.00
14 TMP	Methylene chloride	0.289	0.270	6.6	100	0.00
15 TMP	t-Butyl alcohol (TBA)	0.024	0.024#	0.0	100	0.00
16 TMP	Methyl t-butyl ether (MTBE)	0.666	0.669	-0.5	100	0.00
17 TMP	trans-1,2-Dichloroethene	0.318	0.295	7.2	100	0.00
18 TMP	Diisopropyl ether (DIPE)	0.698	0.665	4.7	100	0.00
19 TMP	1,1-Dichloroethane	0.463	0.451	2.6	100	0.00
20 TMP	Ethyl t-butyl ether (ETBE)	0.258	0.261	-1.2	100	0.00
21 TMP	2,2-Dichloropropane	0.258	0.265	-2.7	100	0.00
22 TMP	cis-1,2-Dichloroethene	0.333	0.313	6.0	100	0.00
23 TMP	Chloroform	0.539	0.517	4.1	100	0.00
24 TMP	2-Butanone (MEK)	0.132	0.127	3.8	100	0.00
25 TMP	t-Amyl methyl ether (TAME)	0.540	0.581	-7.6	100	0.00
26 TMP	1,2-Dichloroethane (EDC)	0.465	0.393	15.5	100	0.00
27 TMP	1,1,1-Trichloroethane	0.482	0.501	-3.9	100	0.00
28 TMP	1,1-Dichloropropene	0.370	0.366	1.1	100	0.00
29 TMP	Carbon tetrachloride	0.485	0.498	-2.7	100	0.00
30 S	1,2-Dichloroethane-d4	0.062	0.061	1.6	100	0.00
31 TMP	Benzene	1.118	1.016	9.1	100	0.00
32 TMP	Trichloroethene	0.367	0.336	8.4	100	0.00
33 TMP	1,2-Dichloropropane	0.241	0.235	2.5	100	0.00
34 TMP	Bromodichloromethane	0.387	0.394	-1.8	100	0.00
35 S	Toluene-d8	0.954	0.981	-2.8	100	0.00
36 TMP	Dibromomethane	0.219	0.202	7.8	100	0.00
37 TMP	4-Methyl-2-pentanone	0.042	0.044	-4.8	100	0.00
38 TMP	cis-1,3-Dichloropropene	0.360	0.394	-9.4	100	0.00
39 I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40 TMP	Toluene	0.907	0.798	12.0	100	0.00
41 TMP	trans-1,3-Dichloropropene	0.366	0.404	-10.4	100	0.00
42 TMP	1,1,2-Trichloroethane	0.285	0.253	11.2	100	0.00
43 TMP	2-Hexanone	0.190	0.187	1.6	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110517.D
 Acq On : 05 Nov 2022 03:49 pm
 Operator : VM
 Sample : 100 ppb 8260 ICAL 67-1775
 Misc : soil/water
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:31 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.457	0.428	6.3	100	0.00
45 TMP Tetrachloroethene	0.460	0.404	12.2	100	0.00
46 TMP Dibromochloromethane	0.451	0.466	-3.3	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	0.360	0.349	3.1	100	0.00
48 TMP Chlorobenzene	0.993	0.979	1.4	100	0.00
49 TMP Ethylbenzene	1.557	1.459	6.3	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.387	0.412	-6.5	100	0.00
51 TMP m,p-Xylene	0.612	0.582	4.9	100	0.00
52 TMP o-Xylene	0.591	0.576	2.5	100	0.00
53 TMP Styrene	0.887	0.909	-2.5	100	0.00
54 TMP Isopropylbenzene	1.435	1.493	-4.0	100	0.00
55 TMP Bromoform	0.299	0.323	-8.0	100	0.00
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	0.689	0.661	4.1	100	0.00
58 TMP n-Propylbenzene	2.700	2.621	2.9	100	0.00
59 TMP Bromobenzene	0.837	0.836	0.1	100	0.00
60 TMP 1,3,5-Trimethylbenzene	1.968	2.012	-2.2	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.626	0.560	10.5	100	0.00
62 TMP 1,2,3-Trichloropropane	0.486	0.433#	10.9	100	0.00
63 TMP 2-Chlorotoluene	1.617	1.518	6.1	100	0.00
64 TMP 4-Chlorotoluene	1.912	1.811	5.3	100	0.00
65 TMP tert-Butylbenzene	1.952	2.033	-4.1	100	0.00
66 TMP 1,2,4-Trimethylbenzene	1.996	2.096	-5.0	100	0.00
67 TMP sec-Butylbenzene	2.624	2.715	-3.5	100	0.00
68 TMP p-Isopropyltoluene	2.387	2.593	-8.6	100	0.00
69 TMP 1,3-Dichlorobenzene	1.530	1.513	1.1	100	0.00
70 TMP 1,4-Dichlorobenzene	1.564	1.531	2.1	100	0.00
71 TMP 1,2-Dichlorobenzene	1.455	1.469	-1.0	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	0.108	0.110	-1.9	100	0.00
73 TMP 1,2,4-Trichlorobenzene	0.971	1.045	-7.6	100	0.00
74 TMP Hexachlorobutadiene	0.600	0.592	1.3	100	0.00
75 TMP Naphthalene	1.833	2.170	-18.4	100	0.00
76 TMP 1,2,3-Trichlorobenzene	0.846	0.944	-11.6	100	0.00

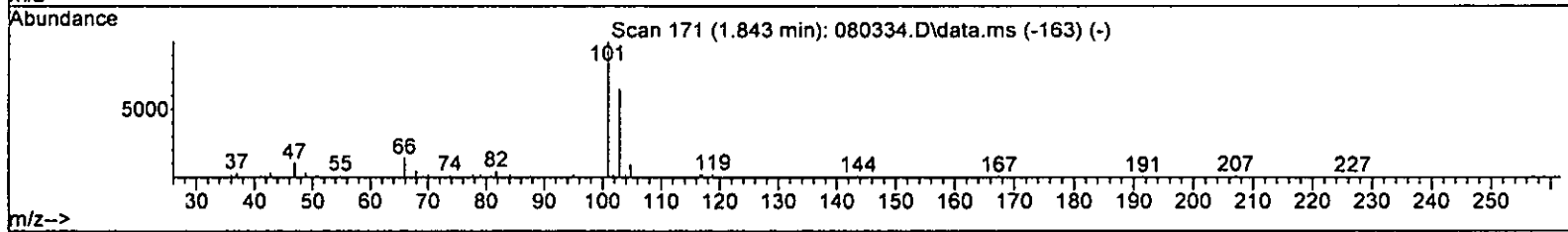
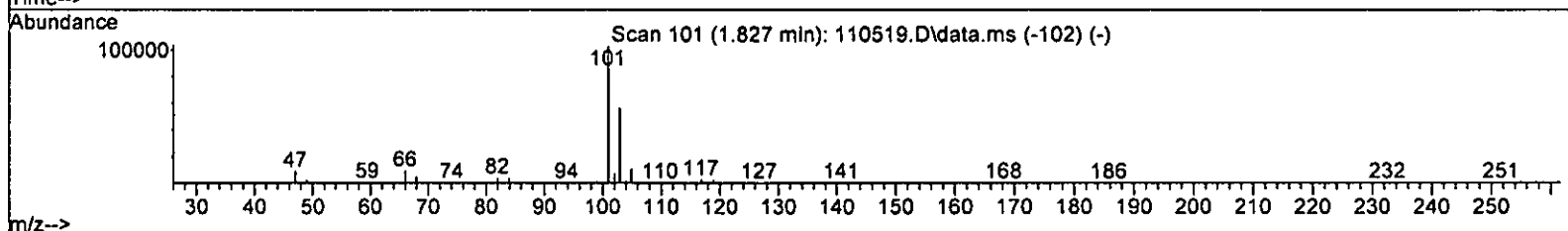
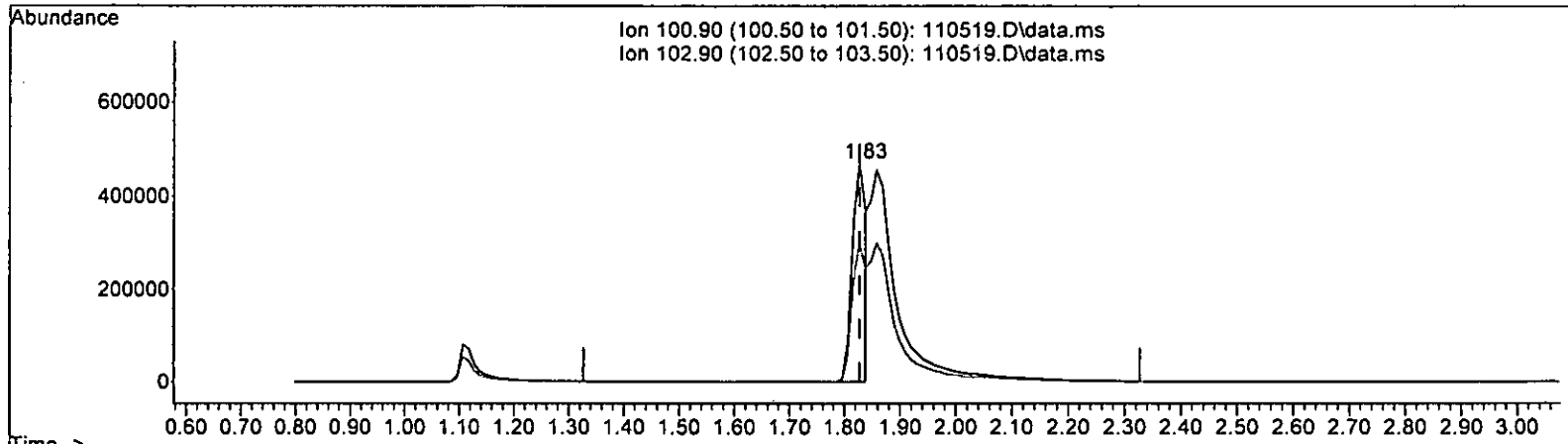
(#) = Out of Range

SPCC's out = 3 CCC's out = 0

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110519.D
 Acq On : 05 Nov 2022 04:35 pm
 Operator : VM
 Sample : 200 ppb 8260 ICAL 67-177U
 Misc : soil/water
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:35 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110519.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.827min (-0.000) 67.111 ppb

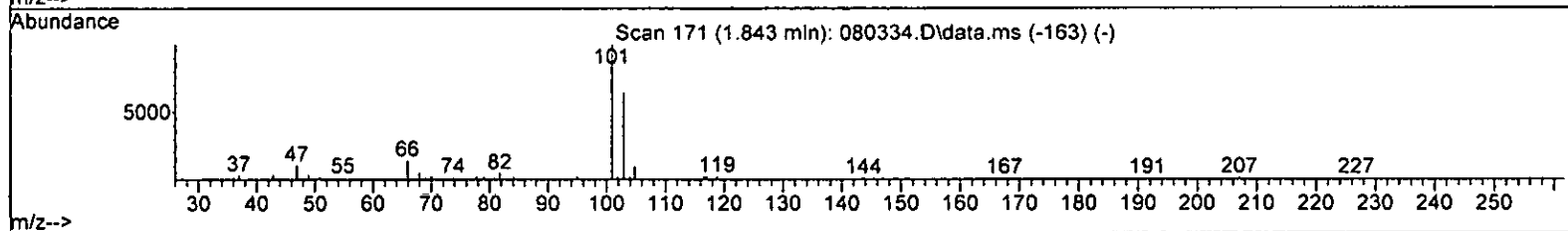
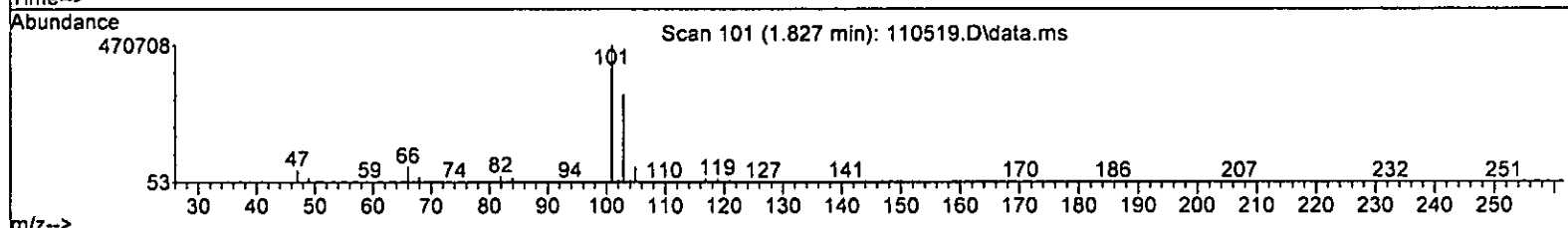
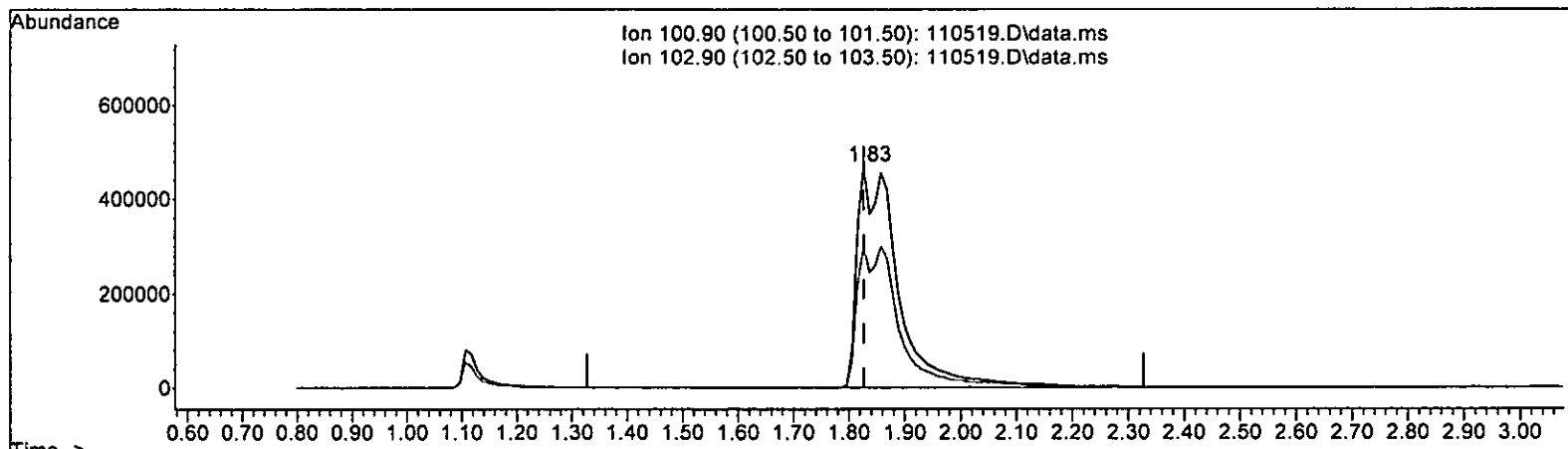
response 793121

Ion	Exp%	Act%
100.90	100.00	100.00
102.90	65.30	63.86
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110519.D
 Acq On : 05 Nov 2022 04:35 pm
 Operator : VM
 Sample : 200 ppb 8260 ICAL 67-177U
 Misc : soil/water
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:35 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 110519.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.827min (-0.000) 217.013 ppb m

response 2564676

Ion	Exp%	Act%
100.90	100.00	100.00
102.90	65.30	63.87
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110519.D
 Acq On : 05 Nov 2022 04:35 pm
 Operator : VM
 Sample : 200 ppb 8260 ICAL 67-177U
 Misc : soil/water
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:35 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	4.75	96	105227	10.000	ppb	0.00
39) Chlorobenzene-d5	7.40	117	91763	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	54540	10.000	ppb	# 0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.17	113	34428	10.202	ppb	0.00
Spiked Amount	10.000	Range	50 - 150	Recovery	=	102.00%
30) 1,2-Dichloroethane-d4	4.45	102	6708	10.258	ppb	0.00
Spiked Amount	10.000	Range	84 - 120	Recovery	=	102.60%
35) Toluene-d8	6.11	98	102678	10.231	ppb	0.00
Spiked Amount	10.000	Range	73 - 128	Recovery	=	102.30%
57) 4-Bromofluorobenzene	8.51	95	35402	9.420	ppb	0.00
Spiked Amount	10.000	Range	57 - 146	Recovery	=	94.20%
Target Compounds						
						Qvalue
2) Ethanol	2.32	45	3275	No Calib		
4) Dichlorodifluoromethane	1.11	85	1824000	216.665	ppb	99
5) Chloromethane	1.25	50	1057643	205.895	ppb	95
6] Vinyl chloride	1.34	62	1025726	191.237	ppb	100
7) Bromomethane	1.58	94	886205	194.935	ppb	97
8] Chloroethane	1.64	64	494308	205.424	ppb	98
9) Trichlorofluoromethane	1.83	101	2564676m	217.013	ppb	
10] 2-Propanol	2.32	45	3275	No Calib	#	
11) Acetone	2.32	58	314218	1003.972	ppb	93
12] 1,1-Dichloroethene	2.27	96	565382	188.589	ppb	93
13) Hexane	3.16	57	725646	213.314	ppb	98
14) Methylene chloride	2.68	84	572042	200.216	ppb	96
15) t-Butyl alcohol (TBA)	2.82	59	283799	1123.683	ppb	92
16] Methyl t-butyl ether (...)	2.93	73	1451911	207.241	ppb	97
17] trans-1,2-Dichloroethene	2.91	96	630767	188.225	ppb	81
18) Diisopropyl ether (DIPE)	3.35	45	1431889	195.017	ppb	99
19] 1,1-Dichloroethane	3.27	63	949604	194.742	ppb	98
20) Ethyl t-butyl ether (E...)	3.66	87	642901	237.165	ppb	94
21) 2,2-Dichloropropane	3.76	77	618335	199.561	ppb	100
22] cis-1,2-Dichloroethene	3.77	96	667605	190.445	ppb	97
23) Chloroform	4.04	83	1128316	199.076	ppb	98
24) 2-Butanone (MEK)	3.79	43	1385193	999.839	ppb	98
25) t-Amyl methyl ether (T...)	4.61	73	1293539	227.466	ppb	94
26] 1,2-Dichloroethane (EDC)	4.53	62	831200	200.661	ppb	99
27] 1,1,1-Trichloroethane	4.19	97	1106308	218.203	ppb	98
28) 1,1-Dichloropropene	4.33	75	795751	200.176	ppb	95
29) Carbon tetrachloride	4.33	117	1126513	220.676	ppb	100
31] Benzene	4.50	78	2128648	180.887	ppb	98
32] Trichloroethene	5.05	95	728836	188.974	ppb	# 76
33) 1,2-Dichloropropane	5.24	63	497249	196.121	ppb	97
34) Bromodichloromethane	5.48	83	873574	214.733	ppb	93
36) Dibromomethane	5.35	93	442590	191.655	ppb	# 78

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110519.D
 Acq On : 05 Nov 2022 04:35 pm
 Operator : VM
 Sample : 200 ppb 8260 ICAL 67-177U
 Misc : soil/water
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS13

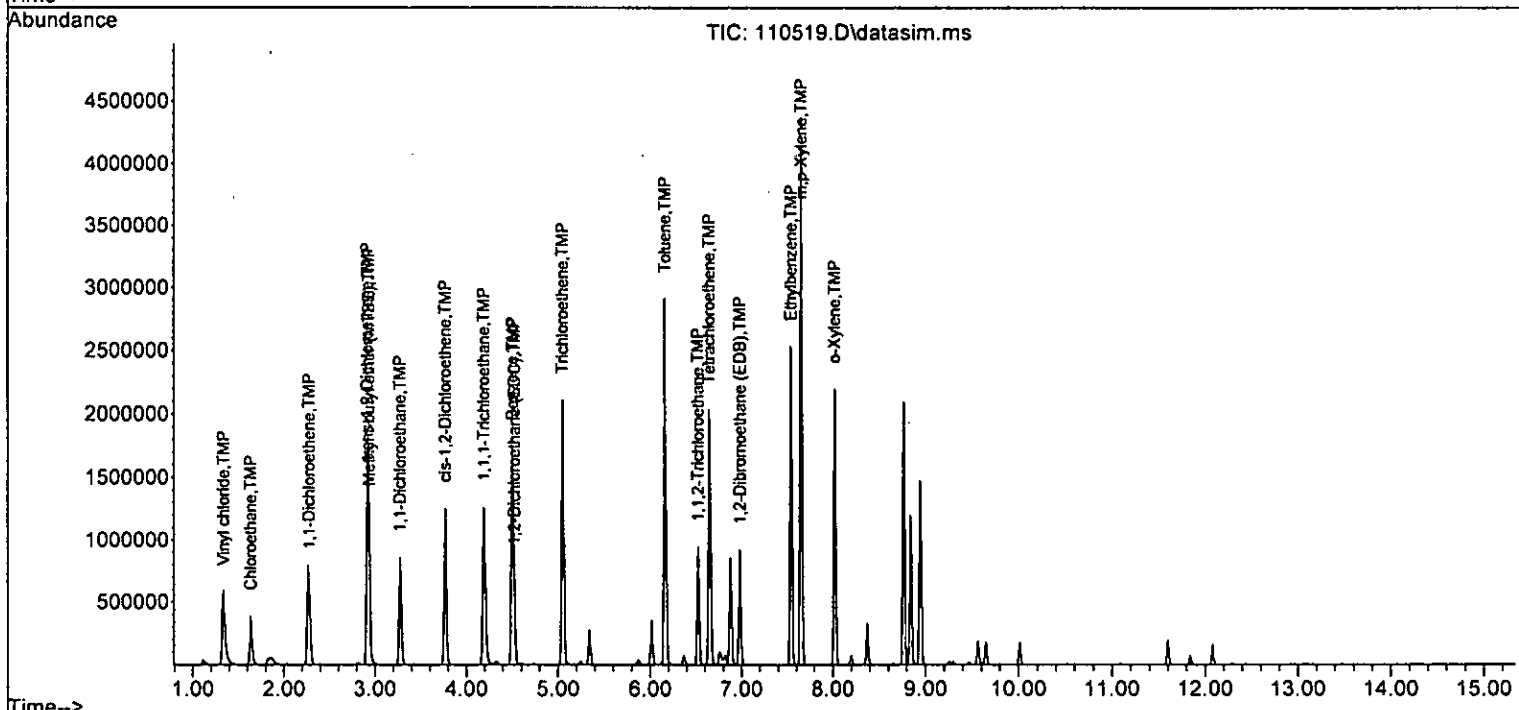
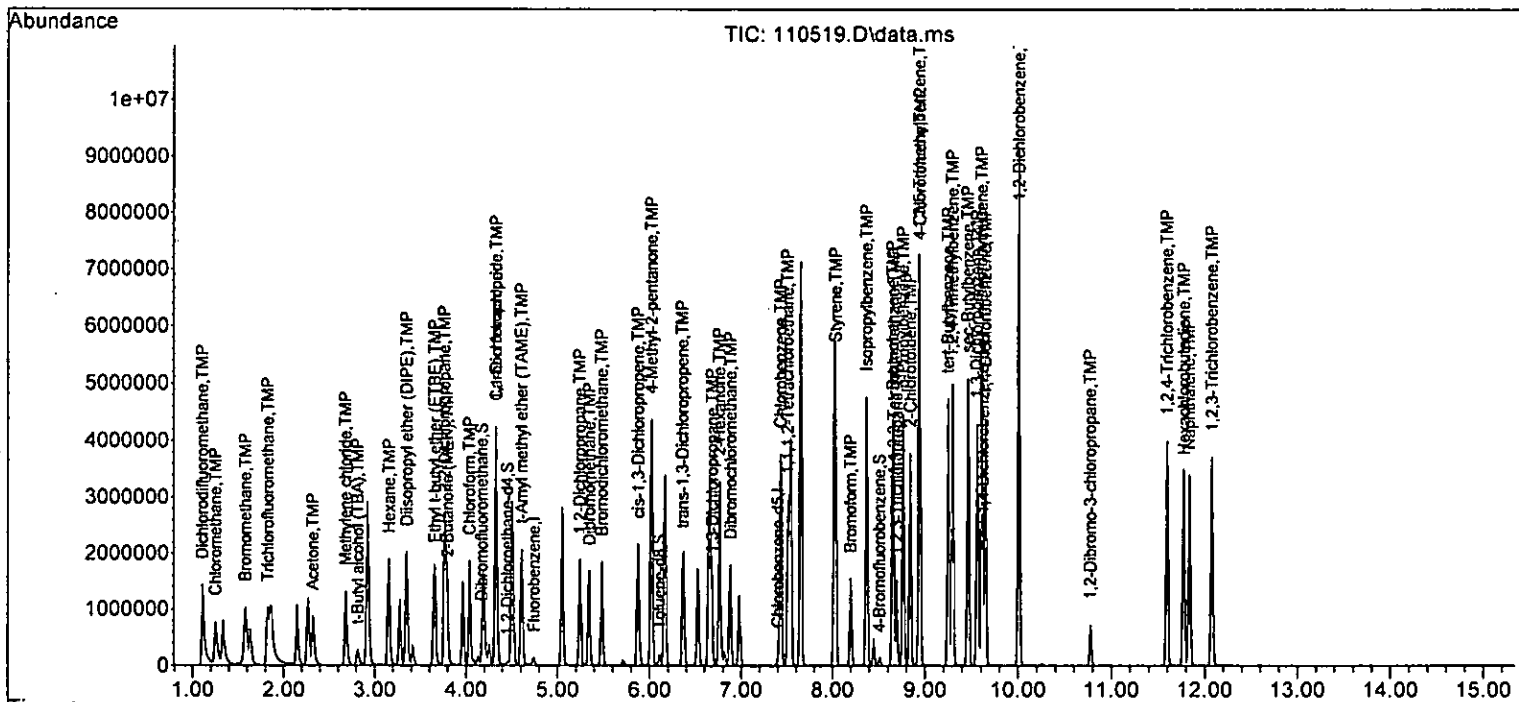
Quant Time: Nov 07 15:17:35 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	6.02	85	489946	1097.496	ppb	89
38) cis-1,3-Dichloropropene	5.88	75	902066	238.067	ppb	93
40] Toluene	6.16	92	1474185	200.169	ppb	93
41) trans-1,3-Dichloropropene	6.36	75	801572	198.879	ppb	90
42] 1,1,2-Trichloroethane	6.53	83	458701	200.192	ppb	90
43) 2-Hexanone	6.76	43	1734702	997.291	ppb	96
44) 1,3-Dichloropropane	6.68	76	776790	185.147	ppb	100
45] Tetrachloroethene	6.65	164	768364	200.175	ppb	96
46) Dibromochloromethane	6.88	129	897602	199.273	ppb	99
47] 1,2-Dibromoethane (EDB)	6.98	107	647622	196.298	ppb	98
48) Chlorobenzene	7.43	112	1871497	205.390	ppb	94
49] Ethylbenzene	7.54	91	2610526	182.724	ppb	92
50) 1,1,1,2-Tetrachloroethane	7.51	131	790558	222.870	ppb	97
51] m,p-Xylene	7.65	106	2141377	381.424	ppb	85
52] o-Xylene	8.02	106	1063136	196.124	ppb	85
53) Styrene	8.03	104	1702407	209.095	ppb	96
54) Isopropylbenzene	8.37	105	2776875	210.818	ppb	92
55) Bromoform	8.20	173	639607	233.107	ppb	98
58) n-Propylbenzene	8.77	91	2864984	194.579	ppb	86
59) Bromobenzene	8.65	156	958351	209.820	ppb #	77
60) 1,3,5-Trimethylbenzene	8.94	105	2216380	206.530	ppb	90
61) 1,1,2,2-Tetrachloroethane	8.66	83	612270	200.875	ppb	98
62) 1,2,3-Trichloropropane	8.70	75	464753	175.258	ppb	92
63) 2-Chlorotoluene	8.84	91	1648488	186.951	ppb	83
64) 4-Chlorotoluene	8.95	91	1951298	187.124	ppb	83
65) tert-Butylbenzene	9.25	119	2281827	214.344	ppb	90
66) 1,2,4-Trimethylbenzene	9.30	105	2347191	215.576	ppb	92
67) sec-Butylbenzene	9.46	105	3063699	214.091	ppb	92
68) p-Isopropyltoluene	9.61	119	2925975	224.761	ppb	95
69) 1,3-Dichlorobenzene	9.56	146	1701121	203.924	ppb	97
70) 1,4-Dichlorobenzene	9.65	146	1727324	202.499	ppb	96
71) 1,2-Dichlorobenzene	10.01	146	1654133	208.504	ppb	96
72) 1,2-Dibromo-3-chloropr...	10.77	75	130205	221.242	ppb	86
73) 1,2,4-Trichlorobenzene	11.60	180	1238341	233.950	ppb	97
74) Hexachlorobutadiene	11.78	225	703163	214.976	ppb	97
75) Naphthalene	11.83	128	2565831	198.845	ppb	99
76) 1,2,3-Trichlorobenzene	12.08	180	1109101	240.388	ppb	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110519.D
 Acq On : 05 Nov 2022 04:35 pm
 Operator : VM
 Sample : 200 ppb 8260 ICAL 67-177U
 Misc : soil/water
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:35 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110519.D
 Acq On : 05 Nov 2022 04:35 pm
 Operator : VM
 Sample : 200 ppb 8260 ICAL 67-177U
 Misc : soil/water
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:35 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2 TMP	Ethanol	-1.000	0.000	0.0	0	-0.01
3 S	Dibromofluoromethane	10.000	10.202	-2.0	100	0.00
4 TMP	Dichlorodifluoromethane	200.000	216.665	-8.3	100	-0.01
5 TMP	Chloromethane	200.000	205.895	-2.9	100	-0.01
6 TMP	Vinyl chloride	200.000	191.237	4.4	100	0.00
7 TMP	Bromomethane	200.000	194.935	2.5	100	0.00
8 TMP	Chloroethane	200.000	205.424	-2.7	100	-0.01
9 TMP	Trichlorofluoromethane	200.000	217.013	-8.5	103	0.00
10 TMP	2-Propanol	-1.000	0.000	0.0	0	-0.01
11 TMP	Acetone	1000.000	1003.972	-0.4	100	-0.01
12 TMP	1,1-Dichloroethene	200.000	188.589	5.7	100	0.00
13 TMP	Hexane	200.000	213.314	-6.7	100	0.00
14 TMP	Methylene chloride	200.000	200.216	-0.1	100	0.00
15 TMP	t-Butyl alcohol (TBA)	1000.000	1123.683	-12.4	100	0.00
16 TMP	Methyl t-butyl ether (MTBE)	200.000	207.241	-3.6	100	0.00
17 TMP	trans-1,2-Dichloroethene	200.000	188.225	5.9	100	-0.01
18 TMP	Diisopropyl ether (DIPE)	200.000	195.017	2.5	100	0.00
19 TMP	1,1-Dichloroethane	200.000	194.742	2.6	100	0.00
20 TMP	Ethyl t-butyl ether (ETBE)	200.000	237.165	-18.6	100	0.00
21 TMP	2,2-Dichloropropane	200.000	199.561	0.2	100	-0.01
22 TMP	cis-1,2-Dichloroethene	200.000	190.445	4.8	100	0.00
23 TMP	Chloroform	200.000	199.076	0.5	100	0.00
24 TMP	2-Butanone (MEK)	1000.000	999.839	0.0	100	0.00
25 TMP	t-Amyl methyl ether (TAME)	200.000	227.466	-13.7	100	0.00
26 TMP	1,2-Dichloroethane (EDC)	200.000	200.661	-0.3	100	0.00
27 TMP	1,1,1-Trichloroethane	200.000	218.203	-9.1	100	0.00
28 TMP	1,1-Dichloropropene	200.000	200.176	-0.1	100	0.00
29 TMP	Carbon tetrachloride	200.000	220.676	-10.3	100	0.00
30 S	1,2-Dichloroethane-d4	10.000	10.258	-2.6	100	0.00
31 TMP	Benzene	200.000	180.887	9.6	100	0.00
32 TMP	Trichloroethene	200.000	188.974	5.5	100	0.00
33 TMP	1,2-Dichloropropane	200.000	196.121	1.9	100	0.00
34 TMP	Bromodichloromethane	200.000	214.733	-7.4	100	0.00
35 S	Toluene-d8	10.000	10.231	-2.3	100	0.00
36 TMP	Dibromomethane	200.000	191.655	4.2	100	0.00
37 TMP	4-Methyl-2-pentanone	1000.000	1097.496	-9.7	100	0.00
38 TMP	cis-1,3-Dichloropropene	200.000	238.067	-19.0	100	0.00
39 I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40 TMP	Toluene	200.000	200.169	-0.1	100	0.00
41 TMP	trans-1,3-Dichloropropene	200.000	198.879	0.6	100	0.00
42 TMP	1,1,2-Trichloroethane	200.000	200.192	-0.1	100	0.00
43 TMP	2-Hexanone	1000.000	997.291	0.3	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110519.D
 Acq On : 05 Nov 2022 04:35 pm
 Operator : VM
 Sample : 200 ppb 8260 ICAL 67-177U
 Misc : soil/water
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:35 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	200.000	185.147	7.4	100	0.00
45 TMP Tetrachloroethene	200.000	200.175	-0.1	100	0.00
46 TMP Dibromochloromethane	200.000	199.273	0.4	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	200.000	196.298	1.9	100	0.00
48 TMP Chlorobenzene	200.000	205.390	-2.7	100	0.00
49 TMP Ethylbenzene	200.000	182.724	8.6	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	200.000	222.870	-11.4	100	0.00
51 TMP m,p-Xylene	400.000	381.424	4.6	100	0.00
52 TMP o-Xylene	200.000	196.124	1.9	100	0.00
53 TMP Styrene	200.000	209.095	-4.5	100	0.00
54 TMP Isopropylbenzene	200.000	210.818	-5.4	100	0.00
55 TMP Bromoform	200.000	233.107	-16.6	100	0.00
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	10.000	9.420	5.8	100	0.00
58 TMP n-Propylbenzene	200.000	194.579	2.7	100	0.00
59 TMP Bromobenzene	200.000	209.820	-4.9	100	0.00
60 TMP 1,3,5-Trimethylbenzene	200.000	206.530	-3.3	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	200.000	200.875	-0.4	100	0.00
62 TMP 1,2,3-Trichloropropane	200.000	175.258	12.4	100	0.00
63 TMP 2-Chlorotoluene	200.000	186.951	6.5	100	0.00
64 TMP 4-Chlorotoluene	200.000	187.124	6.4	100	0.00
65 TMP tert-Butylbenzene	200.000	214.344	-7.2	100	0.00
66 TMP 1,2,4-Trimethylbenzene	200.000	215.576	-7.8	100	0.00
67 TMP sec-Butylbenzene	200.000	214.091	-7.0	100	0.00
68 TMP p-Isopropyltoluene	200.000	224.761	-12.4	100	0.00
69 TMP 1,3-Dichlorobenzene	200.000	203.924	-2.0	100	0.00
70 TMP 1,4-Dichlorobenzene	200.000	202.499	-1.2	100	0.00
71 TMP 1,2-Dichlorobenzene	200.000	208.504	-4.3	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	200.000	221.242	-10.6	100	0.00
73 TMP 1,2,4-Trichlorobenzene	200.000	233.950	-17.0	100	0.00
74 TMP Hexachlorobutadiene	200.000	214.976	-7.5	100	0.00
75 TMP Naphthalene	200.000	198.845	0.6	100	0.00
76 TMP 1,2,3-Trichlorobenzene	200.000	240.388	-20.2#	100	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110519.D
 Acq On : 05 Nov 2022 04:35 pm
 Operator : VM
 Sample : 200 ppb 8260 ICAL 67-177U
 Misc : soil/water
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:35 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2 TMP	Ethanol	0.000	0.000#	0.0	0#	-0.01
3 S	Dibromofluoromethane	0.321	0.327	-1.9	100	0.00
4 TMP	Dichlorodifluoromethane	0.800	0.867	-8.4	100	-0.01
5 TMP	Chloromethane	0.488	0.503	-3.1	100	-0.01
6 TMP	Vinyl chloride	0.510	0.487	4.5	100	0.00
7 TMP	Bromomethane	0.432	0.421	2.5	100	0.00
8 TMP	Chloroethane	0.229	0.235	-2.6	100	-0.01
9 TMP	Trichlorofluoromethane	1.123	1.219	-8.5	103	0.00
10 TMP	2-Propanol	0.000	0.000	0.0	0#	-0.01
11 TMP	Acetone	0.029	0.030	-3.4	100	-0.01
12 TMP	1,1-Dichloroethene	0.285	0.269	5.6	100	0.00
13 TMP	Hexane	0.323	0.345	-6.8	100	0.00
14 TMP	Methylene chloride	0.289	0.272	5.9	100	0.00
15 TMP	t-Butyl alcohol (TBA)	0.024	0.027#	-12.5	100	0.00
16 TMP	Methyl t-butyl ether (MTBE)	0.666	0.690	-3.6	100	0.00
17 TMP	trans-1,2-Dichloroethene	0.318	0.300	5.7	100	-0.01
18 TMP	Diisopropyl ether (DIPE)	0.698	0.680	2.6	100	0.00
19 TMP	1,1-Dichloroethane	0.463	0.451	2.6	100	0.00
20 TMP	Ethyl t-butyl ether (ETBE)	0.258	0.305	-18.2	100	0.00
21 TMP	2,2-Dichloropropane	0.258	0.294	-14.0	100	-0.01
22 TMP	cis-1,2-Dichloroethene	0.333	0.317	4.8	100	0.00
23 TMP	Chloroform	0.539	0.536	0.6	100	0.00
24 TMP	2-Butanone (MEK)	0.132	0.132	0.0	100	0.00
25 TMP	t-Amyl methyl ether (TAME)	0.540	0.615	-13.9	100	0.00
26 TMP	1,2-Dichloroethane (EDC)	0.465	0.395	15.1	100	0.00
27 TMP	1,1,1-Trichloroethane	0.482	0.526	-9.1	100	0.00
28 TMP	1,1-Dichloropropene	0.370	0.378	-2.2	100	0.00
29 TMP	Carbon tetrachloride	0.485	0.535	-10.3	100	0.00
30 S	1,2-Dichloroethane-d4	0.062	0.064	-3.2	100	0.00
31 TMP	Benzene	1.118	1.011	9.6	100	0.00
32 TMP	Trichloroethene	0.367	0.346	5.7	100	0.00
33 TMP	1,2-Dichloropropane	0.241	0.236	2.1	100	0.00
34 TMP	Bromodichloromethane	0.387	0.415	-7.2	100	0.00
35 S	Toluene-d8	0.954	0.976	-2.3	100	0.00
36 TMP	Dibromomethane	0.219	0.210	4.1	100	0.00
37 TMP	4-Methyl-2-pentanone	0.042	0.047	-11.9	100	0.00
38 TMP	cis-1,3-Dichloropropene	0.360	0.429	-19.2	100	0.00
39 I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40 TMP	Toluene	0.907	0.803	11.5	100	0.00
41 TMP	trans-1,3-Dichloropropene	0.366	0.437	-19.4	100	0.00
42 TMP	1,1,2-Trichloroethane	0.285	0.250	12.3	100	0.00
43 TMP	2-Hexanone	0.190	0.189	0.5	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-05-22\
 Data File : 110519.D
 Acq On : 05 Nov 2022 04:35 pm
 Operator : VM
 Sample : 200 ppb 8260 ICAL 67-177U
 Misc : soil/water
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:17:35 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.457	0.423	7.4	100	0.00
45 TMP Tetrachloroethene	0.460	0.419	8.9	100	0.00
46 TMP Dibromochloromethane	0.451	0.489	-8.4	100	0.00
47 TMP 1,2-Dibromoethane (EDB)	0.360	0.353	1.9	100	0.00
48 TMP Chlorobenzene	0.993	1.020	-2.7	100	0.00
49 TMP Ethylbenzene	1.557	1.422	8.7	100	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.387	0.431	-11.4	100	0.00
51 TMP m,p-Xylene	0.612	0.583	4.7	100	0.00
52 TMP o-Xylene	0.591	0.579	2.0	100	0.00
53 TMP Styrene	0.887	0.928	-4.6	100	0.00
54 TMP Isopropylbenzene	1.435	1.513	-5.4	100	0.00
55 TMP Bromoform	0.299	0.349	-16.7	100	0.00
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57 S 4-Bromofluorobenzene	0.689	0.649	5.8	100	0.00
58 TMP n-Propylbenzene	2.700	2.626	2.7	100	0.00
59 TMP Bromobenzene	0.837	0.879	-5.0	100	0.00
60 TMP 1,3,5-Trimethylbenzene	1.968	2.032	-3.3	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.626	0.561	10.4	100	0.00
62 TMP 1,2,3-Trichloropropane	0.486	0.426#	12.3	100	0.00
63 TMP 2-Chlorotoluene	1.617	1.511	6.6	100	0.00
64 TMP 4-Chlorotoluene	1.912	1.789	6.4	100	0.00
65 TMP tert-Butylbenzene	1.952	2.092	-7.2	100	0.00
66 TMP 1,2,4-Trimethylbenzene	1.996	2.152	-7.8	100	0.00
67 TMP sec-Butylbenzene	2.624	2.809	-7.1	100	0.00
68 TMP p-Isopropyltoluene	2.387	2.682	-12.4	100	0.00
69 TMP 1,3-Dichlorobenzene	1.530	1.560	-2.0	100	0.00
70 TMP 1,4-Dichlorobenzene	1.564	1.584	-1.3	100	0.00
71 TMP 1,2-Dichlorobenzene	1.455	1.516	-4.2	100	0.00
72 TMP 1,2-Dibromo-3-chloropropane	0.108	0.119	-10.2	100	0.00
73 TMP 1,2,4-Trichlorobenzene	0.971	1.135	-16.9	100	0.00
74 TMP Hexachlorobutadiene	0.600	0.645	-7.5	100	0.00
75 TMP Naphthalene	1.833	2.352	-28.3#	100	0.00
76 TMP 1,2,3-Trichlorobenzene	0.846	1.017	-20.2#	100	0.00

(#) = Out of Range

SPCC's out = 3 CCC's out = 0

Data Path : D:\Proc_GCMS13\11-07-22\
 Data File : 110706.D
 Acq On : 07 Nov 2022 10:34 am
 Operator : LM
 Sample : 10 ppb 8260 SCV 67-155
 Misc : soil/water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:49:10 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	4.73	96	107809	10.000	ppb	-0.01
39) Chlorobenzene-d5	7.40	117	88712	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	52143	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.17	113	35026	10.131	ppb	0.00
Spiked Amount	10.000	Range	50 - 150	Recovery	=	101.30%
30) 1,2-Dichloroethane-d4	4.45	102	6899	10.297	ppb	0.00
Spiked Amount	10.000	Range	84 - 120	Recovery	=	103.00%
35) Toluene-d8	6.11	98	104241	10.138	ppb	0.00
Spiked Amount	10.000	Range	73 - 128	Recovery	=	101.40%
57) 4-Bromofluorobenzene	8.51	95	35177	9.791	ppb	0.00
Spiked Amount	10.000	Range	57 - 146	Recovery	=	97.90%
Target Compounds						
						Qvalue
2) Ethanol	2.32	45	404	No Calib		
4) Dichlorodifluoromethane	1.11	85	69459	8.053	ppb	97
5) Chloromethane	1.25	50	49461	9.398	ppb	96
6] Vinyl chloride	1.34	62	50437	9.178	ppb	98
7) Bromomethane	1.57	94	48907	10.500	ppb	93
8] Chloroethane	1.65	64	24020	9.743	ppb	95
9) Trichlorofluoromethane	1.83	101	126435	10.442	ppb	95
10) 2-Propanol	2.32	45	404	No Calib	#	
11) Acetone	2.32	58	18598	65.558	ppb	89
12] 1,1-Dichloroethene	2.26	96	32255	10.501	ppb	83
13) Hexane	3.16	57	37617	10.793	ppb	96
14) Methylene chloride	2.68	84	35346	11.050	ppb	95
15) t-Butyl alcohol (TBA)	2.82	59	14861	57.432	ppb	97
16] Methyl t-butyl ether (...)	2.92	73	79509	11.077	ppb	96
17] trans-1,2-Dichloroethene	2.91	96	34006	9.905	ppb	83
18) Diisopropyl ether (DIPE)	3.34	45	73609	9.785	ppb	98
19] 1,1-Dichloroethane	3.27	63	51794	10.367	ppb	96
20) Ethyl t-butyl ether (E...)	3.65	87	31003	11.163	ppb	95
21) 2,2-Dichloropropane	3.76	77	30099	11.573	ppb	94
22] cis-1,2-Dichloroethene	3.77	96	34784	9.685	ppb	96
23) Chloroform	4.04	83	57168	9.845	ppb	97
24) 2-Butanone (MEK)	3.78	43	85005	62.847	ppb	97
25) t-Amyl methyl ether (T...)	4.61	73	66102	11.346	ppb	93
26] 1,2-Dichloroethane (EDC)	4.52	62	45561	10.401	ppb	93
27] 1,1,1-Trichloroethane	4.19	97	56350	10.848	ppb	96
28) 1,1-Dichloropropene	4.32	75	40674	10.438	ppb	98
29) Carbon tetrachloride	4.32	117	52239	9.988	ppb	99
31] Benzene	4.50	78	115853	9.609	ppb	99
32] Trichloroethene	5.04	95	37065	9.380	ppb	95
33) 1,2-Dichloropropane	5.24	63	26126	10.058	ppb	97
34) Bromodichloromethane	5.48	83	41239	9.894	ppb	90
36) Dibromomethane	5.34	93	22396	9.466	ppb	87

Data Path : D:\Proc_GCMS13\11-07-22\
 Data File : 110706.D
 Acq On : 07 Nov 2022 10:34 am
 Operator : LM
 Sample : 10 ppb 8260 SCV 67-155
 Misc : soil/water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

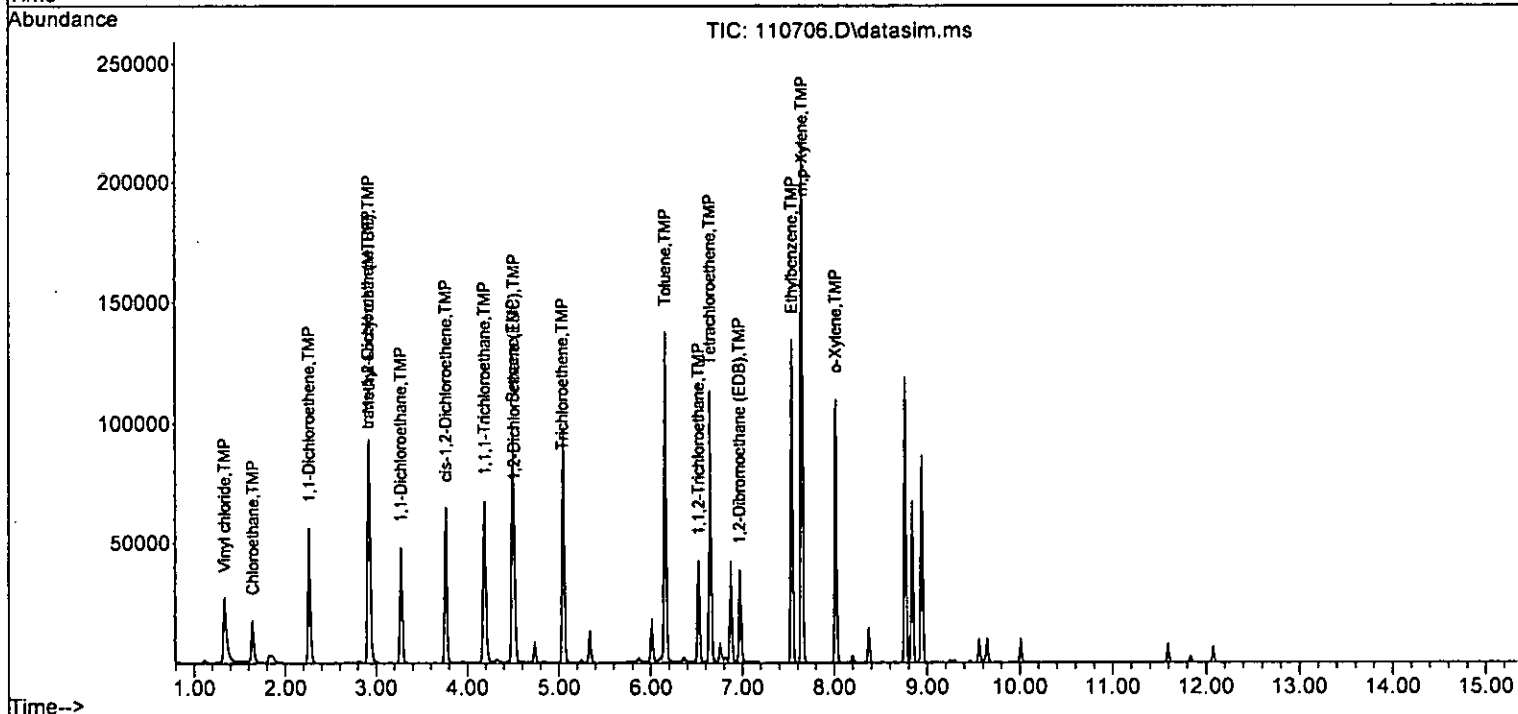
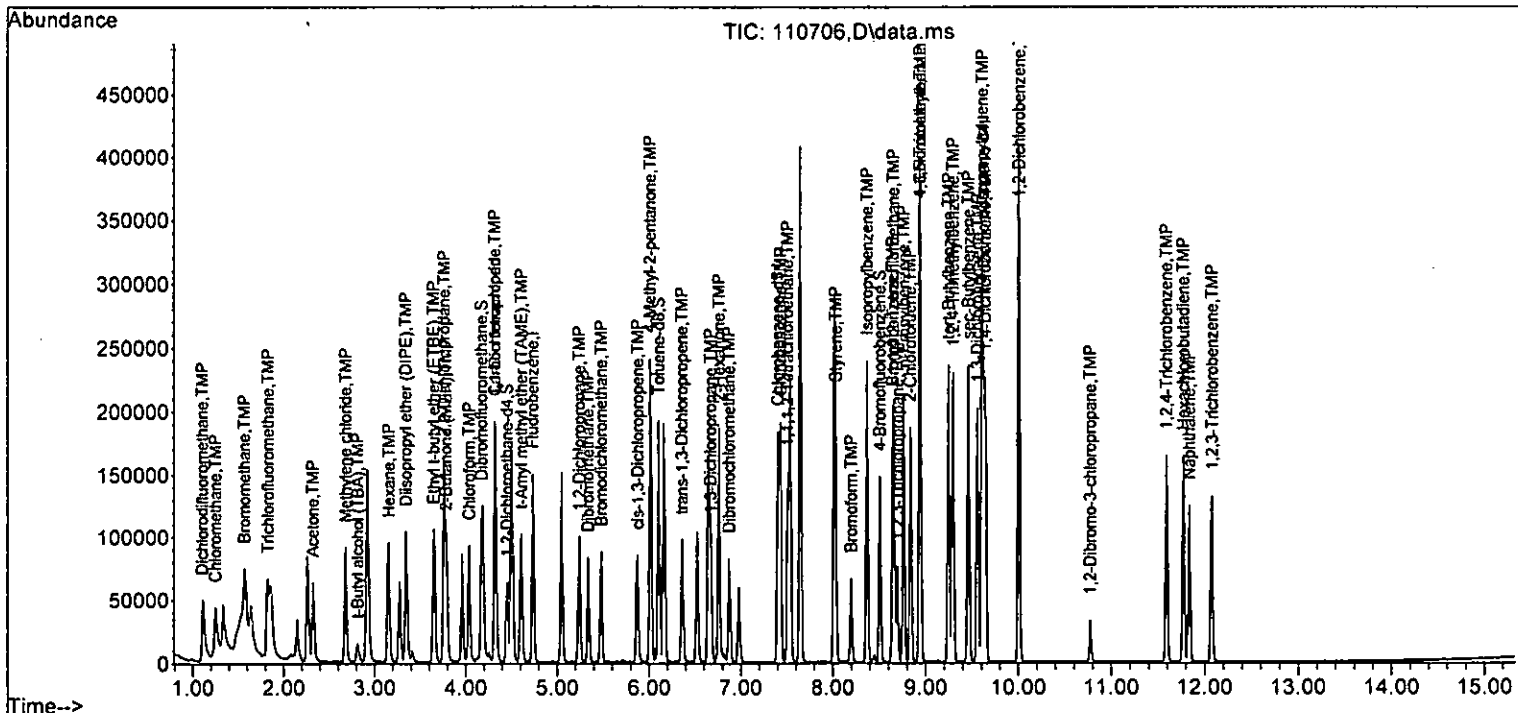
Quant Time: Nov 07 15:49:10 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	6.01	85	24794	54.209	ppb	92
38) cis-1,3-Dichloropropene	5.88	75	41041	10.572	ppb	92
40] Toluene	6.16	92	73801	10.379	ppb	94
41) trans-1,3-Dichloropropene	6.36	75	35738	11.416	ppb	91
42] 1,1,2-Trichloroethane	6.53	83	23480	10.230	ppb	84
43) 2-Hexanone	6.76	43	107316	63.819	ppb	97
44) 1,3-Dichloropropane	6.67	76	39527	9.745	ppb	99
45] Tetrachloroethene	6.65	164	37989	10.841	ppb	93
46) Dibromochloromethane	6.87	129	39620	10.380	ppb	98
47] 1,2-Dibromoethane (EDB)	6.97	107	32152	10.081	ppb	92
48) Chlorobenzene	7.43	112	88017	9.992	ppb	95
49] Ethylbenzene	7.54	91	138053	9.995	ppb	91
50) 1,1,1,2-Tetrachloroethane	7.51	131	34581	10.084	ppb	95
51] m,p-Xylene	7.65	106	109130	20.107	ppb	85
52] o-Xylene	8.02	106	53561	10.221	ppb	84
53) Styrene	8.03	104	80834	10.270	ppb	97
54) Isopropylbenzene	8.37	105	130719	10.265	ppb	95
55) Bromoform	8.20	173	25888	9.759	ppb	98
58) n-Propylbenzene	8.77	91	147169	10.455	ppb	90
59) Bromobenzene	8.65	156	44091	10.097	ppb	86
60) 1,3,5-Trimethylbenzene	8.94	105	108127	10.539	ppb	92
61) 1,1,2,2-Tetrachloroethane	8.65	83	34157	11.235	ppb	97
62) 1,2,3-Trichloropropane	8.70	75	25355	10.001	ppb	94
63) 2-Chlorotoluene	8.84	91	86164	10.221	ppb	92
64) 4-Chlorotoluene	8.94	91	102138	10.245	ppb	96
65) tert-Butylbenzene	9.25	119	102868	10.107	ppb	93
66) 1,2,4-Trimethylbenzene	9.30	105	111968	10.756	ppb	94
67) sec-Butylbenzene	9.46	105	140170	10.245	ppb	93
68) p-Isopropyltoluene	9.61	119	131454	10.562	ppb	95
69) 1,3-Dichlorobenzene	9.56	146	79493	9.967	ppb	97
70) 1,4-Dichlorobenzene	9.64	146	81416	9.983	ppb	98
71) 1,2-Dichlorobenzene	10.01	146	76374	10.070	ppb	96
72) 1,2-Dibromo-3-chloropr...	10.77	75	5936	10.550	ppb	91
73) 1,2,4-Trichlorobenzene	11.59	180	47850	9.456	ppb	93
74) Hexachlorobutadiene	11.77	225	29539	9.446	ppb	98
75) Naphthalene	11.83	128	87948	9.094	ppb	98
76) 1,2,3-Trichlorobenzene	12.08	180	39153	8.876	ppb	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS13\11-07-22\
 Data File : 110706.D
 Acq On : 07 Nov 2022 10:34 am
 Operator : LM
 Sample : 10 ppb 8260 SCV 67-155
 Misc : soil/water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:49:10 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-07-22\
 Data File : 110706.D
 Acq On : 07 Nov 2022 10:34 am
 Operator : LM
 Sample : 10 ppb 8260 SCV 67-155
 Misc : soil/water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:49:10 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I Fluorobenzene	10.000	10.000	0.0	103	-0.01
2 TMP Ethanol	-1.000	0.000	0.0	0	-0.01
3 S Dibromofluoromethane	10.000	10.131	-1.3	105	0.00
4 TMP Dichlorodifluoromethane	10.000	8.053	19.5	84	-0.01
5 TMP Chloromethane	10.000	9.398	6.0	94	-0.01
6 TMP Vinyl chloride	10.000	9.178	8.2	97	0.00
7 TMP Bromomethane	10.000	10.500	-5.0	96	-0.01
8 TMP Chloroethane	10.000	9.743	2.6	97	0.00
9 TMP Trichlorofluoromethane	10.000	10.442	-4.4	111	0.00
10 TMP 2-Propanol	-1.000	0.000	0.0	0	-0.01
11 TMP Acetone	50.000	65.558	-31.1#	124	-0.01
12 TMP 1,1-Dichloroethene	10.000	10.501	-5.0	110	-0.01
13 TMP Hexane	10.000	10.793	-7.9	110	0.00
14 TMP Methylene chloride	10.000	11.050	-10.5	112	0.00
15 TMP t-Butyl alcohol (TBA)	50.000	57.432	-14.9	117	0.00
16 TMP Methyl t-butyl ether (MTBE)	10.000	11.077	-10.8	113	-0.01
17 TMP trans-1,2-Dichloroethene	10.000	9.905	1.0	104	-0.01
18 TMP Diisopropyl ether (DIPE)	10.000	9.785	2.1	105	-0.01
19 TMP 1,1-Dichloroethane	10.000	10.367	-3.7	105	0.00
20 TMP Ethyl t-butyl ether (ETBE)	10.000	11.163	-11.6	120	-0.01
21 TMP 2,2-Dichloropropane	10.000	11.573	-15.7	127	-0.01
22 TMP cis-1,2-Dichloroethene	10.000	9.685	3.1	99	0.00
23 TMP Chloroform	10.000	9.845	1.5	103	0.00
24 TMP 2-Butanone (MEK)	50.000	62.847	-25.7#	124	-0.01
25 TMP t-Amyl methyl ether (TAME)	10.000	11.346	-13.5	118	0.00
26 TMP 1,2-Dichloroethane (EDC)	10.000	10.401	-4.0	103	-0.01
27 TMP 1,1,1-Trichloroethane	10.000	10.848	-8.5	114	0.00
28 TMP 1,1-Dichloropropene	10.000	10.438	-4.4	106	-0.01
29 TMP Carbon tetrachloride	10.000	9.988	0.1	107	-0.01
30 S 1,2-Dichloroethane-d4	10.000	10.297	-3.0	101	0.00
31 TMP Benzene	10.000	9.609	3.9	101	0.00
32 TMP Trichloroethene	10.000	9.380	6.2	100	-0.01
33 TMP 1,2-Dichloropropane	10.000	10.058	-0.6	106	0.00
34 TMP Bromodichloromethane	10.000	9.894	1.1	100	0.00
35 S Toluene-d8	10.000	10.138	-1.4	103	0.00
36 TMP Dibromomethane	10.000	9.466	5.3	99	-0.01
37 TMP 4-Methyl-2-pentanone	50.000	54.209	-8.4	110	-0.01
38 TMP cis-1,3-Dichloropropene	10.000	10.572	-5.7	119	0.00
39 I Chlorobenzene-d5	10.000	10.000	0.0	102	0.00
40 TMP Toluene	10.000	10.379	-3.8	102	0.00
41 TMP trans-1,3-Dichloropropene	10.000	11.416	-14.2	124	0.00
42 TMP 1,1,2-Trichloroethane	10.000	10.230	-2.3	101	0.00
43 TMP 2-Hexanone	50.000	63.819	-27.6#	129	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-07-22\
 Data File : 110706.D
 Acq On : 07 Nov 2022 10:34 am
 Operator : LM
 Sample : 10 ppb 8260 SCV 67-155
 Misc : soil/water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:49:10 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	10.000	9.745	2.6	99	-0.01
45 TMP Tetrachloroethene	10.000	10.841	-8.4	106	0.00
46 TMP Dibromochloromethane	10.000	10.380	-3.8	108	-0.01
47 TMP 1,2-Dibromoethane (EDB)	10.000	10.081	-0.8	105	-0.01
48 TMP Chlorobenzene	10.000	9.992	0.1	105	0.00
49 TMP Ethylbenzene	10.000	9.995	0.1	104	0.00
50 TMP 1,1,1,2-Tetrachloroethane	10.000	10.084	-0.8	108	0.00
51 TMP m,p-Xylene	20.000	20.107	-0.5	105	0.00
52 TMP o-Xylene	10.000	10.221	-2.2	107	0.00
53 TMP Styrene	10.000	10.270	-2.7	104	0.00
54 TMP Isopropylbenzene	10.000	10.265	-2.7	104	0.00
55 TMP Bromoform	10.000	9.759	2.4	103	0.00
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	102	0.00
57 S 4-Bromofluorobenzene	10.000	9.791	2.1	100	0.00
58 TMP n-Propylbenzene	10.000	10.455	-4.6	103	0.00
59 TMP Bromobenzene	10.000	10.097	-1.0	104	0.00
60 TMP 1,3,5-Trimethylbenzene	10.000	10.539	-5.4	107	0.00
61 TMP 1,1,2,2-Tetrachloroethane	10.000	11.235	-12.3	107	0.00
62 TMP 1,2,3-Trichloropropane	10.000	10.001	-0.0	104	0.00
63 TMP 2-Chlorotoluene	10.000	10.221	-2.2	102	0.00
64 TMP 4-Chlorotoluene	10.000	10.245	-2.4	105	0.00
65 TMP tert-Butylbenzene	10.000	10.107	-1.1	106	0.00
66 TMP 1,2,4-Trimethylbenzene	10.000	10.756	-7.6	109	0.00
67 TMP sec-Butylbenzene	10.000	10.245	-2.4	104	0.00
68 TMP p-Isopropyltoluene	10.000	10.562	-5.6	108	0.00
69 TMP 1,3-Dichlorobenzene	10.000	9.967	0.3	103	0.00
70 TMP 1,4-Dichlorobenzene	10.000	9.983	0.2	104	0.00
71 TMP 1,2-Dichlorobenzene	10.000	10.070	-0.7	102	0.00
72 TMP 1,2-Dibromo-3-chloropropane	10.000	10.550	-5.5	111	0.00
73 TMP 1,2,4-Trichlorobenzene	10.000	9.456	5.4	102	0.00
74 TMP Hexachlorobutadiene	10.000	9.446	5.5	100	0.00
75 TMP Naphthalene	10.000	9.094	9.1	100	0.00
76 TMP 1,2,3-Trichlorobenzene	10.000	8.876	11.2	95	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-07-22\
 Data File : 110706.D
 Acq On : 07 Nov 2022 10:34 am
 Operator : LM
 Sample : 10 ppb 8260 SCV 67-155
 Misc : soil/water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:49:10 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I Fluorobenzene	1.000	1.000	0.0	103	-0.01
2 TMP Ethanol	0.000	0.000#	0.0	0#	-0.01
3 S Dibromofluoromethane	0.321	0.325	-1.2	105	0.00
4 TMP Dichlorodifluoromethane	0.800	0.644	19.5	84	-0.01
5 TMP Chloromethane	0.488	0.459	5.9	94	-0.01
6 TMP Vinyl chloride	0.510	0.468	8.2	97	0.00
7 TMP Bromomethane	0.432	0.454	-5.1	96	-0.01
8 TMP Chloroethane	0.229	0.223	2.6	97	0.00
9 TMP Trichlorofluoromethane	1.123	1.173	-4.5	111	0.00
10 TMP 2-Propanol	0.000	0.000	0.0	0#	-0.01
11 TMP Acetone	0.029	0.035	-20.7#	124	-0.01
12 TMP 1,1-Dichloroethene	0.285	0.299	-4.9	110	-0.01
13 TMP Hexane	0.323	0.349	-8.0	110	0.00
14 TMP Methylene chloride	0.289	0.328	-13.5	112	0.00
15 TMP t-Butyl alcohol (TBA)	0.024	0.028#	-16.7	117	0.00
16 TMP Methyl t-butyl ether (MTBE)	0.666	0.737	-10.7	113	-0.01
17 TMP trans-1,2-Dichloroethene	0.318	0.315	0.9	104	-0.01
18 TMP Diisopropyl ether (DIPE)	0.698	0.683	2.1	105	-0.01
19 TMP 1,1-Dichloroethane	0.463	0.480	-3.7	105	0.00
20 TMP Ethyl t-butyl ether (ETBE)	0.258	0.288	-11.6	120	-0.01
21 TMP 2,2-Dichloropropane	0.258	0.279	-8.1	127	-0.01
22 TMP cis-1,2-Dichloroethene	0.333	0.323	3.0	99	0.00
23 TMP Chloroform	0.539	0.530	1.7	103	0.00
24 TMP 2-Butanone (MEK)	0.132	0.158	-19.7	124	-0.01
25 TMP t-Amyl methyl ether (TAME)	0.540	0.613	-13.5	118	0.00
26 TMP 1,2-Dichloroethane (EDC)	0.465	0.423	9.0	103	-0.01
27 TMP 1,1,1-Trichloroethane	0.482	0.523	-8.5	114	0.00
28 TMP 1,1-Dichloropropene	0.370	0.377	-1.9	106	-0.01
29 TMP Carbon tetrachloride	0.485	0.485	0.0	107	-0.01
30 S 1,2-Dichloroethane-d4	0.062	0.064	-3.2	101	0.00
31 TMP Benzene	1.118	1.075	3.8	101	0.00
32 TMP Trichloroethene	0.367	0.344	6.3	100	-0.01
33 TMP 1,2-Dichloropropane	0.241	0.242	-0.4	106	0.00
34 TMP Bromodichloromethane	0.387	0.383	1.0	100	0.00
35 S Toluene-d8	0.954	0.967	-1.4	103	0.00
36 TMP Dibromomethane	0.219	0.208	5.0	99	-0.01
37 TMP 4-Methyl-2-pentanone	0.042	0.046	-9.5	110	-0.01
38 TMP cis-1,3-Dichloropropene	0.360	0.381	-5.8	119	0.00
39 I Chlorobenzene-d5	1.000	1.000	0.0	102	0.00
40 TMP Toluene	0.907	0.832	8.3	102	0.00
41 TMP trans-1,3-Dichloropropene	0.366	0.403	-10.1	124	0.00
42 TMP 1,1,2-Trichloroethane	0.285	0.265	7.0	101	0.00
43 TMP 2-Hexanone	0.190	0.242	-27.4#	129	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-07-22\
 Data File : 110706.D
 Acq On : 07 Nov 2022 10:34 am
 Operator : LM
 Sample : 10 ppb 8260 SCV 67-155
 Misc : soil/water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 07 15:49:10 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.457	0.446	2.4	99	-0.01
45 TMP Tetrachloroethene	0.460	0.428	7.0	106	0.00
46 TMP Dibromochloromethane	0.451	0.447	0.9	108	-0.01
47 TMP 1,2-Dibromoethane (EDB)	0.360	0.362	-0.6	105	-0.01
48 TMP Chlorobenzene	0.993	0.992	0.1	105	0.00
49 TMP Ethylbenzene	1.557	1.556	0.1	104	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.387	0.390	-0.8	108	0.00
51 TMP m,p-Xylene	0.612	0.615	-0.5	105	0.00
52 TMP o-Xylene	0.591	0.604	-2.2	107	0.00
53 TMP Styrene	0.887	0.911	-2.7	104	0.00
54 TMP Isopropylbenzene	1.435	1.474	-2.7	104	0.00
55 TMP Bromoform	0.299	0.292	2.3	103	0.00
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	102	0.00
57 S 4-Bromofluorobenzene	0.689	0.675	2.0	100	0.00
58 TMP n-Propylbenzene	2.700	2.822	-4.5	103	0.00
59 TMP Bromobenzene	0.837	0.846	-1.1	104	0.00
60 TMP 1,3,5-Trimethylbenzene	1.968	2.074	-5.4	107	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.626	0.655	-4.6	107	0.00
62 TMP 1,2,3-Trichloropropane	0.486	0.486#	0.0	104	0.00
63 TMP 2-Chlorotoluene	1.617	1.652	-2.2	102	0.00
64 TMP 4-Chlorotoluene	1.912	1.959	-2.5	105	0.00
65 TMP tert-Butylbenzene	1.952	1.973	-1.1	106	0.00
66 TMP 1,2,4-Trimethylbenzene	1.996	2.147	-7.6	109	0.00
67 TMP sec-Butylbenzene	2.624	2.688	-2.4	104	0.00
68 TMP p-Isopropyltoluene	2.387	2.521	-5.6	108	0.00
69 TMP 1,3-Dichlorobenzene	1.530	1.525	0.3	103	0.00
70 TMP 1,4-Dichlorobenzene	1.564	1.561	0.2	104	0.00
71 TMP 1,2-Dichlorobenzene	1.455	1.465	-0.7	102	0.00
72 TMP 1,2-Dibromo-3-chloropropane	0.108	0.114	-5.6	111	0.00
73 TMP 1,2,4-Trichlorobenzene	0.971	0.918	5.5	102	0.00
74 TMP Hexachlorobutadiene	0.600	0.566	5.7	100	0.00
75 TMP Naphthalene	1.833	1.687	8.0	100	0.00
76 TMP 1,2,3-Trichlorobenzene	0.846	0.751	11.2	95	0.00

(#) = Out of Range

SPCC's out = 3 CCC's out = 0

EPA 8260D
CCV Summaries

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS4\11-19-22\
 Data File : 111906.D
 Acq On : 19 Nov 2022 9:47 pm
 Operator : JCM
 Sample : 10 ppb 8260 CCV 67-192N
 Misc : soil
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 19 21:59:54 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I Fluorobenzene	10.000	10.000	0.0	69	0.00
2 TMP Ethanol	-1.000	0.000	0.0	14	0.00
3 S Dibromofluoromethane	10.000	10.195	-2.0	69	0.00
4 TMP Dichlorodifluoromethane	10.000	10.599	-6.0	67	0.00
5 TMP Chloromethane	10.000	10.752	-7.5	71	0.00
6 TMP Vinyl chloride	10.000	11.551	-15.5	74	0.00
7 TMP Bromomethane	10.000	20.595	-105.9#	137	0.00
8 TMP Chloroethane	10.000	12.929	-29.3#	89	0.00
9 TMP Trichlorofluoromethane	10.000	13.162	-31.6#	89	0.00
10 TMP 2-Propanol	-1.000	0.000	0.0	0	0.00
11 TMP Acetone	50.000	75.011	-50.0#	83	0.00
12 TMP 1,1-Dichloroethene	10.000	11.397	-14.0	81	0.00
13 TMP Hexane	10.000	11.670	-16.7	83	0.00
14 TMP Methylene chloride	10.000	12.343	-23.4#	81	0.00
15 TMP t-Butyl alcohol (TBA)	50.000	58.796	-17.6	81	0.00
16 TMP Methyl t-butyl ether (MTBE)	10.000	11.452	-14.5	78	0.00
17 TMP trans-1,2-Dichloroethene	10.000	10.882	-8.8	77	0.00
18 TMP Diisopropyl ether (DIPE)	10.000	11.019	-10.2	78	0.00
19 TMP 1,1-Dichloroethane	10.000	11.490	-14.9	80	0.00
20 TMP Ethyl t-butyl ether (ETBE)	10.000	11.205	-12.1	77	0.00
21 TMP 2,2-Dichloropropane	10.000	13.207	-32.1#	88	0.00
22 TMP cis-1,2-Dichloroethene	10.000	11.385	-13.8	82	0.00
23 TMP Chloroform	10.000	11.472	-14.7	78	0.00
24 TMP 2-Butanone (MEK)	50.000	52.280	-4.6	78	0.00
25 TMP t-Amyl methyl ether (TAME)	10.000	11.073	-10.7	76	0.00
26 TMP 1,2-Dichloroethane (EDC)	10.000	11.607	-16.1	81	0.00
27 TMP 1,1,1-Trichloroethane	10.000	11.381	-13.8	79	0.00
28 TMP 1,1-Dichloropropene	10.000	11.549	-15.5	82	0.00
29 TMP Carbon tetrachloride	10.000	11.801	-18.0	83	0.00
30 S 1,2-Dichloroethane-d4	10.000	9.392	6.1	65	0.00
31 TMP Benzene	10.000	11.629	-16.3	82	0.00
32 TMP Trichloroethene	10.000	11.333	-13.3	82	0.00
33 TMP 1,2-Dichloropropane	10.000	12.012	-20.1#	82	0.00
34 TMP Bromodichloromethane	10.000	11.147	-11.5	80	0.00
35 S Toluene-d8	10.000	10.672	-6.7	73	0.00
36 TMP Dibromomethane	10.000	12.040	-20.4#	82	0.00
37 TMP 4-Methyl-2-pentanone	50.000	56.581	-13.2	80	0.00
38 TMP cis-1,3-Dichloropropene	10.000	11.780	-17.8	82	0.00
39 I Chlorobenzene-d5	10.000	10.000	0.0	79	0.00
40 TMP Toluene	10.000	10.065	-0.6	82	0.00
41 TMP trans-1,3-Dichloropropene	10.000	10.212	-2.1	82	0.00
42 TMP 1,1,2-Trichloroethane	10.000	10.253	-2.5	83	0.00
43 TMP 2-Hexanone	50.000	47.831	4.3	76	0.00

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS4\11-19-22\
 Data File : 111906.D
 Acq On : 19 Nov 2022 9:47 pm
 Operator : JCM
 Sample : 10 ppb 8260 CCV 67-192N
 Misc : soil
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 19 21:59:54 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	10.000	10.026	-0.3	80	0.00
45 TMP Tetrachloroethene	10.000	10.429	-4.3	85	0.00
46 TMP Dibromochloromethane	10.000	10.890	-8.9	85	0.00
47 TMP 1,2-Dibromoethane (EDB)	10.000	10.315	-3.1	82	0.00
48 TMP Chlorobenzene	10.000	10.104	-1.0	80	0.00
49 TMP Ethylbenzene	10.000	10.099	-1.0	81	0.00
50 TMP 1,1,1,2-Tetrachloroethane	10.000	10.036	-0.4	79	0.00
51 TMP m,p-Xylene	20.000	20.158	-0.8	81	0.00
52 TMP o-Xylene	10.000	10.290	-2.9	83	0.00
53 TMP Styrene	10.000	9.810	1.9	77	0.00
54 TMP Isopropylbenzene	10.000	9.659	3.4	77	0.00
55 TMP Bromoform	10.000	11.361	-13.6	85	0.00
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	78	0.00
57 S 4-Bromofluorobenzene	10.000	9.919	0.8	78	0.00
58 TMP n-Propylbenzene	10.000	9.871	1.3	79	0.00
59 TMP Bromobenzene	10.000	10.336	-3.4	80	0.00
60 TMP 1,3,5-Trimethylbenzene	10.000	10.025	-0.3	81	0.00
61 TMP 1,1,2,2-Tetrachloroethane	10.000	10.221	-2.2	79	0.00
62 TMP 1,2,3-Trichloropropane	10.000	10.326	-3.3	79	0.00
63 TMP 2-Chlorotoluene	10.000	10.012	-0.1	80	0.00
64 TMP 4-Chlorotoluene	10.000	9.951	0.5	79	0.00
65 TMP tert-Butylbenzene	10.000	10.225	-2.2	81	0.00
66 TMP 1,2,4-Trimethylbenzene	10.000	10.066	-0.7	81	0.00
67 TMP sec-Butylbenzene	10.000	10.084	-0.8	81	0.00
68 TMP p-Isopropyltoluene	10.000	10.052	-0.5	81	0.00
69 TMP 1,3-Dichlorobenzene	10.000	10.273	-2.7	81	0.00
70 TMP 1,4-Dichlorobenzene	10.000	9.927	0.7	79	0.00
71 TMP 1,2-Dichlorobenzene	10.000	9.940	0.6	79	0.00
72 TMP 1,2-Dibromo-3-chloropropane	10.000	10.341	-3.4	80	0.00
73 TMP 1,2,4-Trichlorobenzene	10.000	9.384	6.2	75	0.00
74 TMP Hexachlorobutadiene	10.000	9.518	4.8	78	0.00
75 TMP Naphthalene	10.000	9.404	6.0	73	0.00
76 TMP 1,2,3-Trichlorobenzene	10.000	9.028	9.7	70	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS4\11-19-22\
 Data File : 111906.D
 Acq On : 19 Nov 2022 9:47 pm
 Operator : JCM
 Sample : 10 ppb 8260 CCV 67-192N
 Misc : soil
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 19 21:59:54 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I Fluorobenzene	1.000	1.000	0.0	69	0.00
2 TMP Ethanol	0.000	0.000#	0.0	14#	0.00
3 S Dibromofluoromethane	0.275	0.280	-1.8	69	0.00
4 TMP Dichlorodifluoromethane	0.410	0.434	-5.9	67	0.00
5 TMP Chloromethane	0.380	0.408	-7.4	71	0.00
6 TMP Vinyl chloride	0.360	0.416	-15.6	74	0.00
7 TMP Bromomethane	0.168	0.345	-105.4#	137	0.00
8 TMP Chloroethane	0.189	0.244	-29.1#	89	0.00
9 TMP Trichlorofluoromethane	0.562	0.739	-31.5#	89	0.00
10 TMP 2-Propanol	0.000	0.000	0.0	0#	0.00
11 TMP Acetone	0.037	0.040	-8.1	83	0.00
12 TMP 1,1-Dichloroethene	0.333	0.380	-14.1	81	0.00
13 TMP Hexane	0.348	0.407	-17.0	83	0.00
14 TMP Methylene chloride	0.369	0.437	-18.4	81	0.00
15 TMP t-Butyl alcohol (TBA)	0.051	0.060	-17.6	81	0.00
16 TMP Methyl t-butyl ether (MTBE)	0.971	1.113	-14.6	78	0.00
17 TMP trans-1,2-Dichloroethene	0.353	0.384	-8.8	77	0.00
18 TMP Diisopropyl ether (DIPE)	0.889	0.979	-10.1	78	0.00
19 TMP 1,1-Dichloroethane	0.536	0.616	-14.9	80	0.00
20 TMP Ethyl t-butyl ether (ETBE)	0.425	0.476	-12.0	77	0.00
21 TMP 2,2-Dichloropropane	0.352	0.454	-29.0#	88	0.00
22 TMP cis-1,2-Dichloroethene	0.382	0.435	-13.9	82	0.00
23 TMP Chloroform	0.583	0.666	-14.2	78	0.00
24 TMP 2-Butanone (MEK)	0.186	0.195	-4.8	78	0.00
25 TMP t-Amyl methyl ether (TAME)	0.964	1.067	-10.7	76	0.00
26 TMP 1,2-Dichloroethane (EDC)	0.438	0.509	-16.2	81	0.00
27 TMP 1,1,1-Trichloroethane	0.532	0.606	-13.9	79	0.00
28 TMP 1,1-Dichloropropene	0.448	0.518	-15.6	82	0.00
29 TMP Carbon tetrachloride	0.479	0.566	-18.2	83	0.00
30 S 1,2-Dichloroethane-d4	0.063	0.060	4.8	65	0.00
31 TMP Benzene	1.286	1.495	-16.3	82	0.00
32 TMP Trichloroethene	0.373	0.423	-13.4	82	0.00
33 TMP 1,2-Dichloropropane	0.284	0.342	-20.4#	82	0.00
34 TMP Bromodichloromethane	0.432	0.481	-11.3	80	0.00
35 S Toluene-d8	1.002	1.069	-6.7	73	0.00
36 TMP Dibromomethane	0.216	0.260	-20.4#	82	0.00
37 TMP 4-Methyl-2-pentanone	0.077	0.087	-13.0	80	0.00
38 TMP cis-1,3-Dichloropropene	0.504	0.594	-17.9	82	0.00
39 I Chlorobenzene-d5	1.000	1.000	0.0	79	0.00
40 TMP Toluene	0.968	0.974	-0.6	82	0.00
41 TMP trans-1,3-Dichloropropene	0.553	0.565	-2.2	82	0.00
42 TMP 1,1,2-Trichloroethane	0.293	0.301	-2.7	83	0.00
43 TMP 2-Hexanone	0.320	0.307	4.1	76	0.00

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS4\11-19-22\
 Data File : 111906.D
 Acq On : 19 Nov 2022 9:47 pm
 Operator : JCM
 Sample : 10 ppb 8260 CCV 67-192N
 Misc : soil
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 19 21:59:54 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.560	0.562	-0.4	80	0.00
45 TMP Tetrachloroethene	0.431	0.449	-4.2	85	0.00
46 TMP Dibromochloromethane	0.429	0.460	-7.2	85	0.00
47 TMP 1,2-Dibromoethane (EDB)	0.398	0.411	-3.3	82	0.00
48 TMP Chlorobenzene	1.148	1.160	-1.0	80	0.00
49 TMP Ethylbenzene	1.845	1.864	-1.0	81	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.426	0.427	-0.2	79	0.00
51 TMP m,p-Xylene	0.746	0.752	-0.8	81	0.00
52 TMP o-Xylene	0.741	0.763	-3.0	83	0.00
53 TMP Styrene	1.258	1.234	1.9	77	0.00
54 TMP Isopropylbenzene	1.878	1.814	3.4	77	0.00
55 TMP Bromoform	0.362	0.390	-7.7	85	0.00
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	78	0.00
57 S 4-Bromofluorobenzene	0.701	0.696	0.7	78	0.00
58 TMP n-Propylbenzene	3.165	3.125	1.3	79	0.00
59 TMP Bromobenzene	0.916	0.947	-3.4	80	0.00
60 TMP 1,3,5-Trimethylbenzene	2.336	2.342	-0.3	81	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.806	0.824	-2.2	79	0.00
62 TMP 1,2,3-Trichloropropane	0.610	0.630	-3.3	79	0.00
63 TMP 2-Chlorotoluene	1.890	1.892	-0.1	80	0.00
64 TMP 4-Chlorotoluene	2.253	2.242	0.5	79	0.00
65 TMP tert-Butylbenzene	2.062	2.109	-2.3	81	0.00
66 TMP 1,2,4-Trimethylbenzene	2.433	2.449	-0.7	81	0.00
67 TMP sec-Butylbenzene	2.769	2.792	-0.8	81	0.00
68 TMP p-Isopropyltoluene	2.526	2.539	-0.5	81	0.00
69 TMP 1,3-Dichlorobenzene	1.624	1.668	-2.7	81	0.00
70 TMP 1,4-Dichlorobenzene	1.675	1.663	0.7	79	0.00
71 TMP 1,2-Dichlorobenzene	1.595	1.585	0.6	79	0.00
72 TMP 1,2-Dibromo-3-chloropropane	0.167	0.173	-3.6	80	0.00
73 TMP 1,2,4-Trichlorobenzene	1.200	1.126	6.2	75	0.00
74 TMP Hexachlorobutadiene	0.463	0.440	5.0	78	0.00
75 TMP Naphthalene	2.957	2.781	6.0	73	0.00
76 TMP 1,2,3-Trichlorobenzene	1.136	1.026	9.7	70	0.00

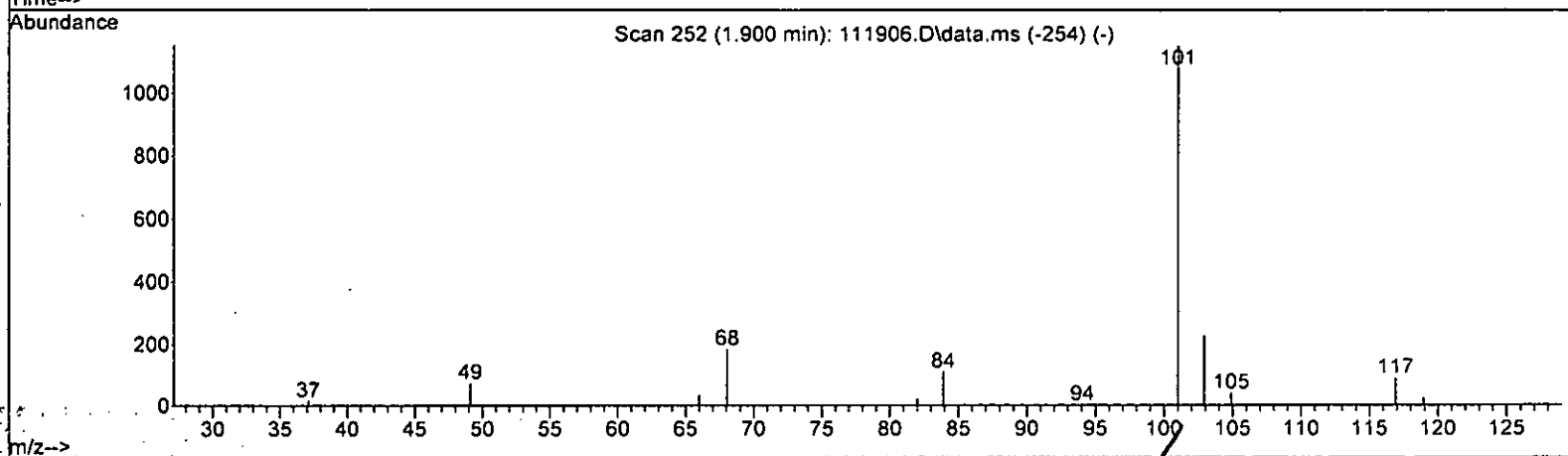
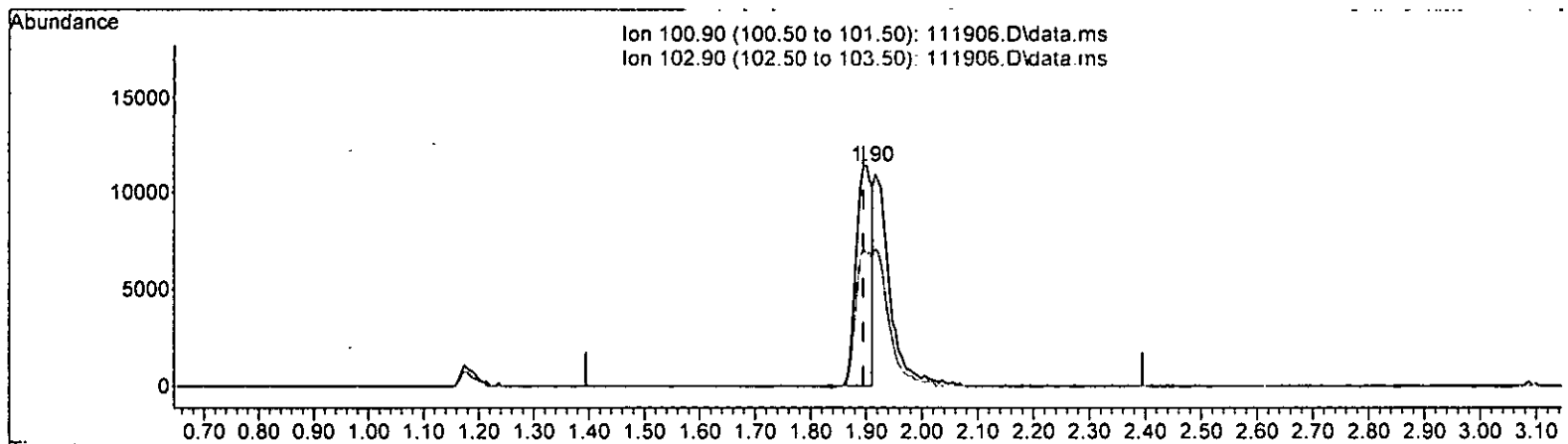
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SPCC's out = 1 CCC's out = 0

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS4\11-19-22\
 Data File : 111906.D
 Acq On : 19 Nov 2022 9:47 pm
 Operator : JCM
 Sample : 10 ppb 8260 CCV 67-192N
 Misc : soil
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 19 21:59:54 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



TIC: 111906.D\data.ms

um 11.22.22

(9) Trichlorofluoromethane (TMP)

1.900min (+ 0.005) 6.603 ppb

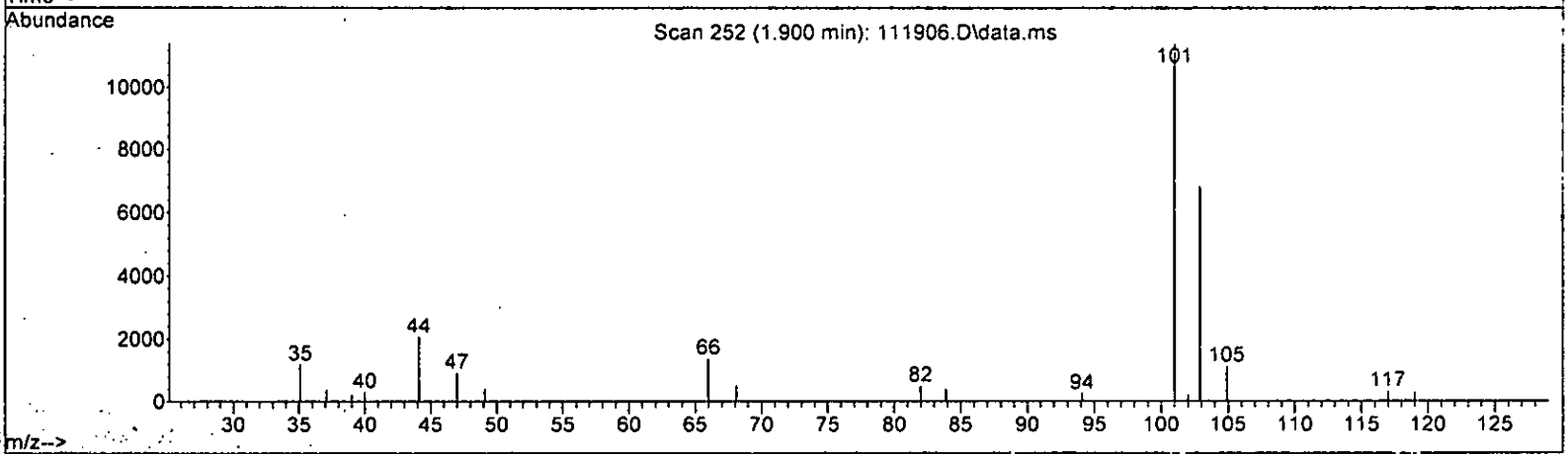
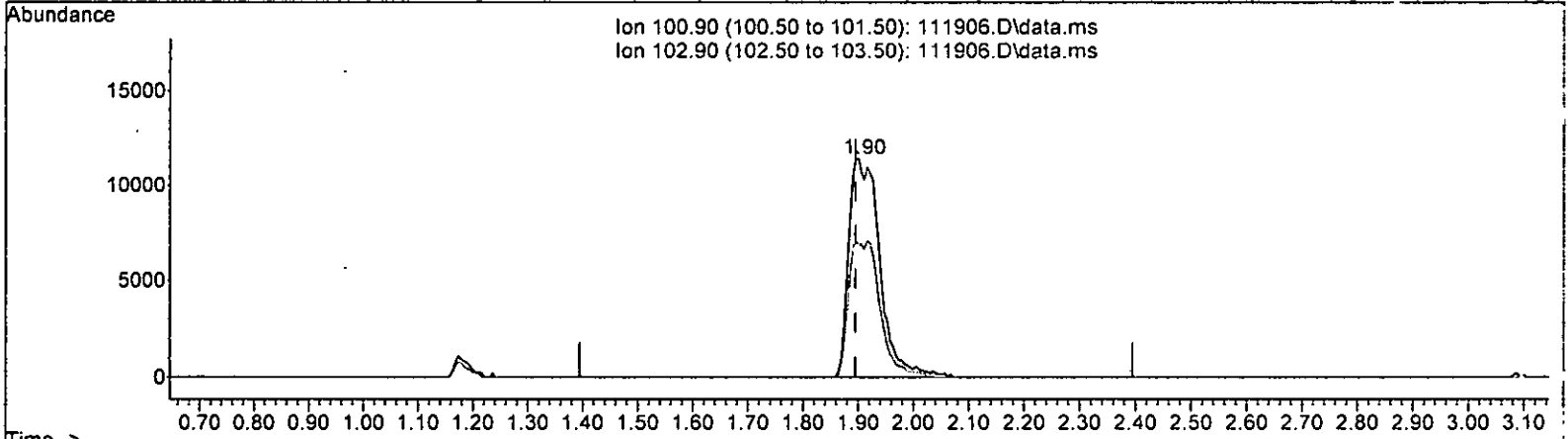
response 22160

Ion	Exp%	Act%
100.90	100.00	100.00
102.90	61.00	59.50
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS4\11-19-22\
 Data File : 111906.D
 Acq On : 19 Nov 2022 9:47 pm
 Operator : JCM
 Sample : 10 ppb 8260 CCV 67-192N
 Misc : soil
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 19 21:59:54 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



TIC: 111906.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.900min (+ 0.005) 13.162 ppb m

response 44175

Ion	Exp%	Act%
100.90	100.00	100.00
102.90	61.00	59.50
0.00	0.00	0.00
0.00	0.00	0.00

m' 11.22.22

Data Path : Y:\Proc_GCMS4\11-19-22\
 Data File : 111906.D
 Acq On : 19 Nov 2022 9:47 pm
 Operator : JCM
 Sample : 10 ppb 8260 CCV 67-192N
 Misc : soil
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 19 21:59:54 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	4.78	96	59752	10.000	ppb	0.00	
39) Chlorobenzene-d5	7.43	117	57544	10.000	ppb	0.00	
56) 1,4-Dichlorobenzene-d4	9.65	152	37925	10.000	ppb	0.00	
System Monitoring Compounds							
3) Dibromofluoromethane	4.21	113	16746	10.195	ppb	0.00	
Spiked Amount	10.000	Range	0 - 1000	Recovery	=	101.90%	
30) 1,2-Dichloroethane-d4	4.49	102	3563	9.392	ppb	0.00	
Spiked Amount	10.000	Range	90 - 109	Recovery	=	93.90%	
35) Toluene-d8	6.14	98	63881	10.672	ppb	0.00	
Spiked Amount	10.000	Range	89 - 112	Recovery	=	106.70%	
57) 4-Bromofluorobenzene	8.54	95	26381	9.919	ppb	0.00	
Spiked Amount	10.000	Range	84 - 115	Recovery	=	99.20%	
Target Compounds							
							Qvalue
2) Ethanol	1.07	45	509	No Calib	#		
4) Dichlorodifluoromethane	1.17	85	25942	10.599	ppb		99
5) Chloromethane	1.31	50	24398	10.752	ppb		96
6) Vinyl chloride	1.40	62	24866	11.551	ppb		98
7) Bromomethane	1.62	94	20615	20.595	ppb		98
8) Chloroethane	1.70	64	14597	12.929	ppb		99
9) Trichlorofluoromethane	1.90	101	44175m	13.162	ppb		
10) 2-Propanol	2.98	45	3086	No Calib			
11) Acetone	2.39	58	11895	75.011	ppb		90
12) 1,1-Dichloroethene	2.32	96	22703	11.397	ppb		83
13) Hexane	3.21	57	24300	11.670	ppb		93
14) Methylene chloride	2.73	84	26093	12.343	ppb		87
15) t-Butyl alcohol (TBA)	2.86	59	18000	58.796	ppb		90
16) Methyl t-butyl ether (...)	2.98	73	66476	11.452	ppb		96
17) trans-1,2-Dichloroethene	2.97	96	22945	10.882	ppb	#	83
18) Diisopropyl ether (DIPE)	3.40	45	58501	11.019	ppb		94
19) 1,1-Dichloroethane	3.32	63	36784	11.490	ppb		99
20) Ethyl t-butyl ether (E...)	3.70	87	28454	11.205	ppb	#	81
21) 2,2-Dichloropropane	3.81	77	27120	13.207	ppb		96
22) cis-1,2-Dichloroethene	3.81	96	25987	11.385	ppb	#	80
23) Chloroform	4.08	83	39793	11.472	ppb		100
24) 2-Butanone (MEK)	3.83	43	58135	52.280	ppb		93
25) t-Amyl methyl ether (T...)	4.65	73	63755	11.073	ppb		97
26) 1,2-Dichloroethane (EDC)	4.55	62	30389	11.607	ppb		97
27) 1,1,1-Trichloroethane	4.23	97	36204	11.381	ppb		94
28) 1,1-Dichloropropene	4.37	75	30924	11.549	ppb		91
29) Carbon tetrachloride	4.37	117	33794	11.801	ppb		95
31) Benzene	4.54	78	89334	11.629	ppb		93
32) Trichloroethene	5.09	95	25251	11.333	ppb		81
33) 1,2-Dichloropropane	5.27	63	20414	12.012	ppb		97
34) Bromodichloromethane	5.51	83	28753	11.147	ppb		93
36) Dibromomethane	5.37	93	15520	12.040	ppb	#	79

Data Path : Y:\Proc_GCMS4\11-19-22\
 Data File : 111906.D
 Acq On : 19 Nov 2022 9:47 pm
 Operator : JCM
 Sample : 10 ppb 8260 CCV 67-192N
 Misc : soil
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS4

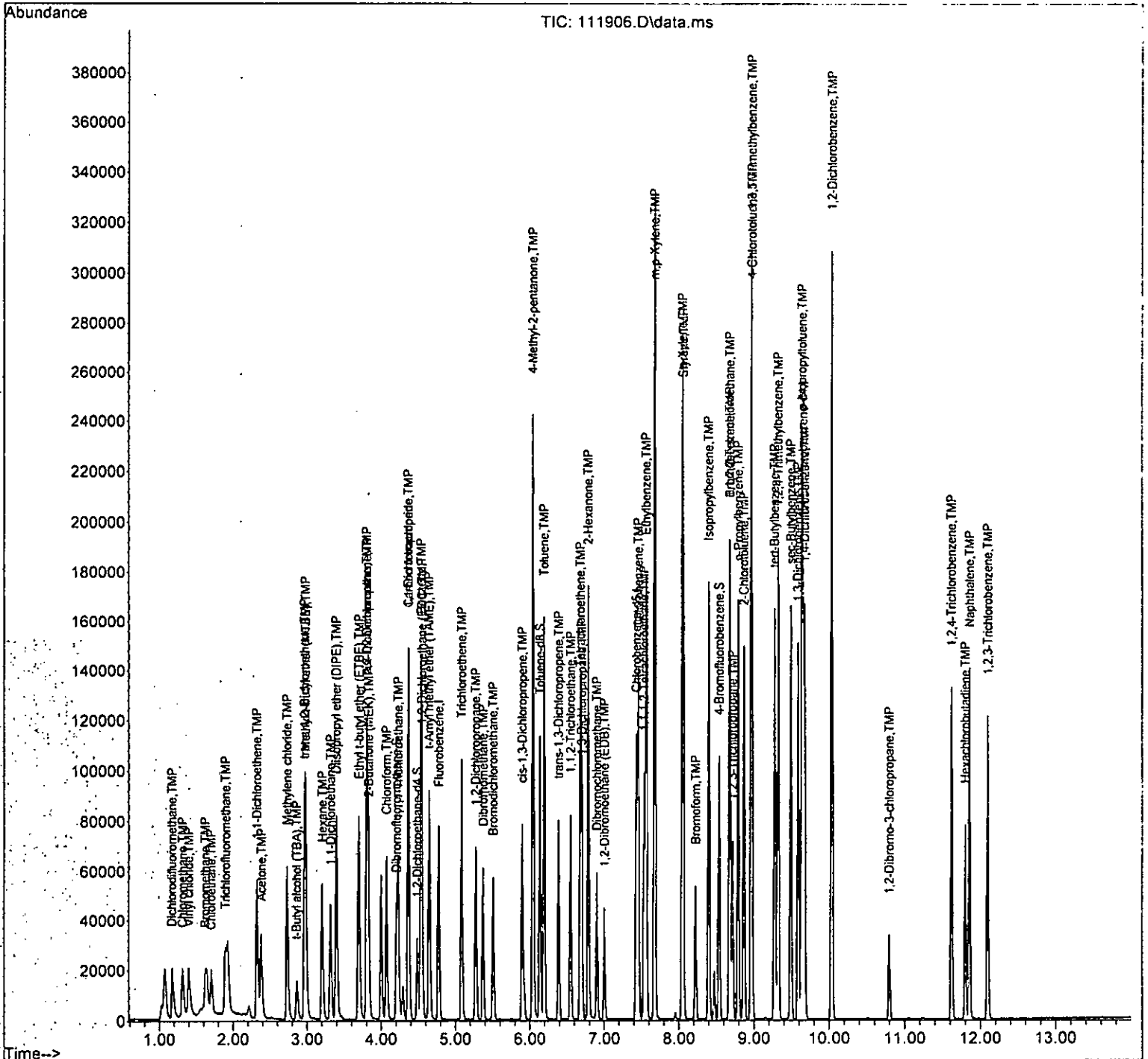
Quant Time: Nov 19 21:59:54 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	6.04	85	25996	56.581	ppb	# 78
38) cis-1,3-Dichloropropene	5.90	75	35490	11.780	ppb	92
40) Toluene	6.19	92	56050	10.065	ppb	99
41) trans-1,3-Dichloropropene	6.39	75	32491	10.212	ppb	92
42) 1,1,2-Trichloroethane	6.55	83	17292	10.253	ppb	89
43) 2-Hexanone	6.79	43	88194	47.831	ppb	97
44) 1,3-Dichloropropane	6.70	76	32320	10.026	ppb	97
45) Tetrachloroethene	6.68	164	25857	10.429	ppb	98
46) Dibromochloromethane	6.90	129	26460	10.890	ppb	99
47) 1,2-Dibromoethane (EDB)	7.00	107	23636	10.315	ppb	100
48) Chlorobenzene	7.46	112	66751	10.104	ppb	88
49) Ethylbenzene	7.56	91	107234	10.099	ppb	92
50) 1,1,1,2-Tetrachloroethane	7.54	131	24576	10.036	ppb	94
51) m,p-Xylene	7.67	106	86526	20.158	ppb	89
52) o-Xylene	8.05	106	43889	10.290	ppb	85
53) Styrene	8.06	104	71012	9.810	ppb	88
54) Isopropylbenzene	8.40	105	104381	9.659	ppb	92
55) Bromoform	8.22	173	22423	11.361	ppb	98
58) n-Propylbenzene	8.79	91	118497	9.871	ppb	91
59) Bromobenzene	8.68	156	35900	10.336	ppb	# 79
60) 1,3,5-Trimethylbenzene	8.97	105	88821	10.025	ppb	86
61) 1,1,2,2-Tetrachloroethane	8.68	83	31247	10.221	ppb	96
62) 1,2,3-Trichloropropane	8.72	75	23906	10.326	ppb	97
63) 2-Chlorotoluene	8.87	91	71744	10.012	ppb	87
64) 4-Chlorotoluene	8.97	91	85032	9.951	ppb	84
65) tert-Butylbenzene	9.27	119	79978	10.225	ppb	86
66) 1,2,4-Trimethylbenzene	9.32	105	92884	10.066	ppb	94
67) sec-Butylbenzene	9.49	105	105896	10.084	ppb	94
68) p-Isopropyltoluene	9.64	119	96283	10.052	ppb	91
69) 1,3-Dichlorobenzene	9.58	146	63277	10.273	ppb	94
70) 1,4-Dichlorobenzene	9.67	146	63073	9.927	ppb	93
71) 1,2-Dichlorobenzene	10.03	146	60126	9.940	ppb	95
72) 1,2-Dibromo-3-chloropr...	10.80	75	6554	10.341	ppb	# 60
73) 1,2,4-Trichlorobenzene	11.62	180	42717	9.384	ppb	98
74) Hexachlorobutadiene	11.80	225	16701	9.518	ppb	95
75) Naphthalene	11.86	128	105454	9.404	ppb	99
76) 1,2,3-Trichlorobenzene	12.10	180	38897	9.028	ppb	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS4\11-19-22\
 Data File : 111906.D
 Acq On : 19 Nov 2022 9:47 pm
 Operator : JCM
 Sample : 10 ppb 8260 CCV 67-192N
 Misc : soil
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 19 21:59:54 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 Qlast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-19-22\
 Data File : 111905.D
 Acq On : 19 Nov 2022 09:44 pm
 Operator : JCM
 Sample : 10 ppb 8260 CCV 67-192N
 Misc : soil/water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 19 21:57:52 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	10.000	10.000	0.0	92	-0.01
2 TMP	Ethanol	-1.000	0.000	0.0	0	-0.01
3 S	Dibromofluoromethane	10.000	10.705	-7.1	98	0.00
4 TMP	Dichlorodifluoromethane	10.000	8.274	17.3	77	0.00
5 TMP	Chloromethane	10.000	8.129	18.7	72	-0.01
6 TMP	Vinyl chloride	10.000	8.638	13.6	81	0.00
7 TMP	Bromomethane	10.000	11.960	-19.6	97	0.00
8 TMP	Chloroethane	10.000	10.122	-1.2	90	0.00
9 TMP	Trichlorofluoromethane	10.000	9.066	9.3	86	0.00
10 TMP	2-Propanol	-1.000	0.000	0.0	0	-0.01
11 TMP	Acetone	50.000	32.857	34.3#	56	0.00
12 TMP	1,1-Dichloroethene	10.000	9.808	1.9	91	0.00
13 TMP	Hexane	10.000	8.786	12.1	80	0.00
14 TMP	Methylene chloride	10.000	9.539	4.6	87	0.00
15 TMP	t-Butyl alcohol (TBA)	50.000	63.582	-27.2#	115	0.00
16 TMP	Methyl t-butyl ether (MTBE)	10.000	10.687	-6.9	97	0.00
17 TMP	trans-1,2-Dichloroethene	10.000	9.581	4.2	89	0.00
18 TMP	Diisopropyl ether (DIPE)	10.000	8.349	16.5	79	0.00
19 TMP	1,1-Dichloroethane	10.000	9.121	8.8	82	0.00
20 TMP	Ethyl t-butyl ether (ETBE)	10.000	12.289	-22.9#	117	0.00
21 TMP	2,2-Dichloropropane	10.000	14.337	-43.4#	140	-0.01
22 TMP	cis-1,2-Dichloroethene	10.000	10.191	-1.9	92	0.00
23 TMP	Chloroform	10.000	9.255	7.4	86	0.00
24 TMP	2-Butanone (MEK)	50.000	46.586	6.8	81	0.00
25 TMP	t-Amyl methyl ether (TAME)	10.000	11.536	-15.4	106	0.00
26 TMP	1,2-Dichloroethane (EDC)	10.000	9.492	5.1	83	-0.01
27 TMP	1,1,1-Trichloroethane	10.000	11.140	-11.4	104	0.00
28 TMP	1,1-Dichloropropene	10.000	9.656	3.4	87	0.00
29 TMP	Carbon tetrachloride	10.000	11.517	-15.2	109	0.00
30 S	1,2-Dichloroethane-d4	10.000	10.274	-2.7	90	0.00
31 TMP	Benzene	10.000	8.574	14.3	80	0.00
32 TMP	Trichloroethene	10.000	9.277	7.2	88	0.00
33 TMP	1,2-Dichloropropane	10.000	8.684	13.2	81	0.00
34 TMP	Bromodichloromethane	10.000	9.733	2.7	87	0.00
35 S	Toluene-d8	10.000	10.429	-4.3	94	0.00
36 TMP	Dibromomethane	10.000	9.456	5.4	87	-0.01
37 TMP	4-Methyl-2-pentanone	50.000	56.375	-12.8	101	-0.01
38 TMP	cis-1,3-Dichloropropene	10.000	10.929	-9.3	109	0.00
39 I	Chlorobenzene-d5	10.000	10.000	0.0	105	0.00
40 TMP	Toluene	10.000	8.885	11.2	91	0.00
41 TMP	trans-1,3-Dichloropropene	10.000	10.809	-8.1	121	0.00
42 TMP	1,1,2-Trichloroethane	10.000	8.074	19.3	83	0.00
43 TMP	2-Hexanone	50.000	43.410	13.2	91	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-19-22\
 Data File : 111905.D
 Acq On : 19 Nov 2022 09:44 pm
 Operator : JCM
 Sample : 10 ppb 8260 CCV 67-192N
 Misc : soil/water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 19 21:57:52 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	10.000	7.736	22.6#	81	-0.01
45 TMP Tetrachloroethene	10.000	10.550	-5.5	107	0.00
46 TMP Dibromochloromethane	10.000	10.234	-2.3	111	-0.01
47 TMP 1,2-Dibromoethane (EDB)	10.000	9.435	5.6	102	-0.01
48 TMP Chlorobenzene	10.000	9.391	6.1	102	0.00
49 TMP Ethylbenzene	10.000	8.505	14.9	92	0.00
50 TMP 1,1,1,2-Tetrachloroethane	10.000	10.461	-4.6	116	0.00
51 TMP m,p-Xylene	20.000	18.596	7.0	100	0.00
52 TMP o-Xylene	10.000	9.505	4.9	103	0.00
53 TMP Styrene	10.000	9.409	5.9	98	0.00
54 TMP Isopropylbenzene	10.000	9.417	5.8	99	0.00
55 TMP Bromoform	10.000	10.476	-4.8	115	0.00
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	106	0.00
57 S 4-Bromofluorobenzene	10.000	9.264	7.4	98	0.00
58 TMP n-Propylbenzene	10.000	8.897	11.0	92	0.00
59 TMP Bromobenzene	10.000	9.879	1.2	106	0.00
60 TMP 1,3,5-Trimethylbenzene	10.000	9.794	2.1	104	0.00
61 TMP 1,1,2,2-Tetrachloroethane	10.000	8.959	10.4	90	0.00
62 TMP 1,2,3-Trichloropropane	10.000	7.655	23.4#	83	0.00
63 TMP 2-Chlorotoluene	10.000	8.805	12.0	92	0.00
64 TMP 4-Chlorotoluene	10.000	8.740	12.6	93	0.00
65 TMP tert-Butylbenzene	10.000	9.938	0.6	109	0.00
66 TMP 1,2,4-Trimethylbenzene	10.000	10.000	0.0	105	0.00
67 TMP sec-Butylbenzene	10.000	9.525	4.7	101	0.00
68 TMP p-Isopropyltoluene	10.000	10.296	-3.0	109	0.00
69 TMP 1,3-Dichlorobenzene	10.000	9.597	4.0	104	0.00
70 TMP 1,4-Dichlorobenzene	10.000	9.446	5.5	102	0.00
71 TMP 1,2-Dichlorobenzene	10.000	9.598	4.0	101	0.00
72 TMP 1,2-Dibromo-3-chloropropane	10.000	9.425	5.7	103	0.00
73 TMP 1,2,4-Trichlorobenzene	10.000	9.703	3.0	109	0.00
74 TMP Hexachlorobutadiene	10.000	9.524	4.8	105	0.00
75 TMP Naphthalene	10.000	9.621	3.8	110	0.00
76 TMP 1,2,3-Trichlorobenzene	10.000	9.349	6.5	104	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-19-22\
 Data File : 111905.D
 Acq On : 19 Nov 2022 09:44 pm
 Operator : JCM
 Sample : 10 ppb 8260 CCV 67-192N
 Misc : soil/water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 19 21:57:52 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	1.000	1.000	0.0	92	-0.01
2 TMP	Ethanol	0.000	0.000#	0.0	0#	-0.01
3 S	Dibromofluoromethane	0.321	0.343	-6.9	98	0.00
4 TMP	Dichlorodifluoromethane	0.800	0.662	17.3	77	0.00
5 TMP	Chloromethane	0.488	0.397	18.6	72	-0.01
6 TMP	Vinyl chloride	0.510	0.440	13.7	81	0.00
7 TMP	Bromomethane	0.432	0.517	-19.7	97	0.00
8 TMP	Chloroethane	0.229	0.231	-0.9	90	0.00
9 TMP	Trichlorofluoromethane	1.123	1.018	9.3	86	0.00
10 TMP	2-Propanol	0.000	0.000	0.0	0#	-0.01
11 TMP	Acetone	0.029	0.017	41.4#	56	0.00
12 TMP	1,1-Dichloroethene	0.285	0.279	2.1	91	0.00
13 TMP	Hexane	0.323	0.284	12.1	80	0.00
14 TMP	Methylene chloride	0.289	0.287	0.7	87	0.00
15 TMP	t-Butyl alcohol (TBA)	0.024	0.031	-29.2#	115	0.00
16 TMP	Methyl t-butyl ether (MTBE)	0.666	0.712	-6.9	97	0.00
17 TMP	trans-1,2-Dichloroethene	0.318	0.305	4.1	89	0.00
18 TMP	Diisopropyl ether (DIPE)	0.698	0.583	16.5	79	0.00
19 TMP	1,1-Dichloroethane	0.463	0.423	8.6	82	0.00
20 TMP	Ethyl t-butyl ether (ETBE)	0.258	0.317	-22.9#	117	0.00
21 TMP	2,2-Dichloropropane	0.258	0.347	-34.5#	140	-0.01
22 TMP	cis-1,2-Dichloroethene	0.333	0.339	-1.8	92	0.00
23 TMP	Chloroform	0.539	0.498	7.6	86	0.00
24 TMP	2-Butanone (MEK)	0.132	0.117	11.4	81	0.00
25 TMP	t-Amyl methyl ether (TAME)	0.540	0.623	-15.4	106	0.00
26 TMP	1,2-Dichloroethane (EDC)	0.465	0.386	17.0	83	-0.01
27 TMP	1,1,1-Trichloroethane	0.482	0.537	-11.4	104	0.00
28 TMP	1,1-Dichloropropene	0.370	0.349	5.7	87	0.00
29 TMP	Carbon tetrachloride	0.485	0.559	-15.3	109	0.00
30 S	1,2-Dichloroethane-d4	0.062	0.064	-3.2	90	0.00
31 TMP	Benzene	1.118	0.959	14.2	80	0.00
32 TMP	Trichloroethene	0.367	0.340	7.4	88	0.00
33 TMP	1,2-Dichloropropane	0.241	0.209	13.3	81	0.00
34 TMP	Bromodichloromethane	0.387	0.376	2.8	87	0.00
35 S	Toluene-d8	0.954	0.995	-4.3	94	0.00
36 TMP	Dibromomethane	0.219	0.208	5.0	87	-0.01
37 TMP	4-Methyl-2-pentanone	0.042	0.048	-14.3	101	-0.01
38 TMP	cis-1,3-Dichloropropene	0.360	0.394	-9.4	109	0.00
39 I	Chlorobenzene-d5	1.000	1.000	0.0	105	0.00
40 TMP	Toluene	0.907	0.712	21.5#	91	0.00
41 TMP	trans-1,3-Dichloropropene	0.366	0.381	-4.1	121	0.00
42 TMP	1,1,2-Trichloroethane	0.285	0.209	26.7#	83	0.00
43 TMP	2-Hexanone	0.190	0.165	13.2	91	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS13\11-19-22\
 Data File : 111905.D
 Acq On : 19 Nov 2022 09:44 pm
 Operator : JCM
 Sample : 10 ppb 8260 CCV 67-192N
 Misc : soil/water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 19 21:57:52 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.457	0.354	22.5#	81	-0.01
45 TMP Tetrachloroethene	0.460	0.417	9.3	107	0.00
46 TMP Dibromochloromethane	0.451	0.440	2.4	111	-0.01
47 TMP 1,2-Dibromoethane (EDB)	0.360	0.339	5.8	102	-0.01
48 TMP Chlorobenzene	0.993	0.933	6.0	102	0.00
49 TMP Ethylbenzene	1.557	1.324	15.0	92	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.387	0.404	-4.4	116	0.00
51 TMP m,p-Xylene	0.612	0.569	7.0	100	0.00
52 TMP o-Xylene	0.591	0.561	5.1	103	0.00
53 TMP Styrene	0.887	0.835	5.9	98	0.00
54 TMP Isopropylbenzene	1.435	1.352	5.8	99	0.00
55 TMP Bromoform	0.299	0.313	-4.7	115	0.00
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	106	0.00
57 S 4-Bromofluorobenzene	0.689	0.638	7.4	98	0.00
58 TMP n-Propylbenzene	2.700	2.402	11.0	92	0.00
59 TMP Bromobenzene	0.837	0.827	1.2	106	0.00
60 TMP 1,3,5-Trimethylbenzene	1.968	1.927	2.1	104	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.626	0.524	16.3	90	0.00
62 TMP 1,2,3-Trichloropropane	0.486	0.372#	23.5#	83	0.00
63 TMP 2-Chlorotoluene	1.617	1.424	11.9	92	0.00
64 TMP 4-Chlorotoluene	1.912	1.671	12.6	93	0.00
65 TMP tert-Butylbenzene	1.952	1.940	0.6	109	0.00
66 TMP 1,2,4-Trimethylbenzene	1.996	1.996	0.0	105	0.00
67 TMP sec-Butylbenzene	2.624	2.499	4.8	101	0.00
68 TMP p-Isopropyltoluene	2.387	2.457	-2.9	109	0.00
69 TMP 1,3-Dichlorobenzene	1.530	1.468	4.1	104	0.00
70 TMP 1,4-Dichlorobenzene	1.564	1.477	5.6	102	0.00
71 TMP 1,2-Dichlorobenzene	1.455	1.396	4.1	101	0.00
72 TMP 1,2-Dibromo-3-chloropropane	0.108	0.102	5.6	103	0.00
73 TMP 1,2,4-Trichlorobenzene	0.971	0.942	3.0	109	0.00
74 TMP Hexachlorobutadiene	0.600	0.571	4.8	105	0.00
75 TMP Naphthalene	1.833	1.787	2.5	110	0.00
76 TMP 1,2,3-Trichlorobenzene	0.846	0.791	6.5	104	0.00

(#) = Out of Range

SPCC's out = 2 CCC's out = 0

Data Path : D:\Proc_GCMS13\11-19-22\
 Data File : 111905.D
 Acq On : 19 Nov 2022 09:44 pm
 Operator : JCM
 Sample : 10 ppb 8260 CCV 67-192N
 Misc : soil/water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 19 21:57:52 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	4.73	96	95664	10.000	ppb	-0.01
39) Chlorobenzene-d5	7.40	117	91826	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	54387	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.17	113	32841	10.705	ppb	0.00
Spiked Amount	10.000	Range	50 - 150	Recovery	=	107.00%
30) 1,2-Dichloroethane-d4	4.45	102	6108	10.274	ppb	0.00
Spiked Amount	10.000	Range	84 - 120	Recovery	=	102.70%
35) Toluene-d8	6.11	98	95147	10.429	ppb	0.00
Spiked Amount	10.000	Range	73 - 128	Recovery	=	104.30%
57) 4-Bromofluorobenzene	8.51	95	34716	9.264	ppb	0.00
Spiked Amount	10.000	Range	57 - 146	Recovery	=	92.60%
Target Compounds						
2) Ethanol	2.32	45	296	No Calib		Qvalue
4) Dichlorodifluoromethane	1.12	85	63328	8.274	ppb	94
5) Chloromethane	1.25	50	37964	8.129	ppb	95
6] Vinyl chloride	1.34	62	42121	8.638	ppb	97
7) Bromomethane	1.58	94	49431	11.960	ppb	91
8] Chloroethane	1.65	64	22143	10.122	ppb	97
9) Trichlorofluoromethane	1.83	101	97404	9.066	ppb	99
10] 2-Propanol	2.32	45	296	No Calib	#	
11) Acetone	2.33	58	8355	32.857	ppb	91
12] 1,1-Dichloroethene	2.27	96	26732	9.808	ppb	96
13) Hexane	3.16	57	27173	8.786	ppb	97
14) Methylene chloride	2.68	84	27496	9.539	ppb	94
15) t-Butyl alcohol (TBA)	2.82	59	14599	63.582	ppb	93
16] Methyl t-butyl ether (...)	2.93	73	68069	10.687	ppb	97
17] trans-1,2-Dichloroethene	2.92	96	29188	9.581	ppb	94
18) Diisopropyl ether (DIPE)	3.35	45	55729	8.349	ppb	95
19] 1,1-Dichloroethane	3.27	63	40436	9.121	ppb	98
20] Ethyl t-butyl ether (E...)	3.66	87	30286	12.289	ppb	87
21) 2,2-Dichloropropane	3.76	77	33175	14.337	ppb	96
22] cis-1,2-Dichloroethene	3.77	96	32477	10.191	ppb	91
23) Chloroform	4.04	83	47686	9.255	ppb	99
24) 2-Butanone (MEK)	3.79	43	55941	46.586	ppb	97
25) t-Amyl methyl ether (T...)	4.61	73	59638	11.536	ppb	92
26] 1,2-Dichloroethane (EDC)	4.52	62	36914	9.492	ppb	94
27] 1,1,1-Trichloroethane	4.19	97	51350	11.140	ppb	95
28) 1,1-Dichloropropene	4.33	75	33387	9.656	ppb	89
29) Carbon tetrachloride	4.33	117	53447	11.517	ppb	95
31] Benzene	4.50	78	91726	8.574	ppb	100
32] Trichloroethene	5.05	95	32529	9.277	ppb	# 61
33) 1,2-Dichloropropane	5.24	63	20016	8.684	ppb	91
34) Bromodichloromethane	5.48	83	35998	9.733	ppb	94
36) Dibromomethane	5.34	93	19853	9.456	ppb	# 77

Data Path : D:\Proc_GCMS13\11-19-22\
 Data File : 111905.D
 Acq On : 19 Nov 2022 09:44 pm
 Operator : JCM
 Sample : 10 ppb 8260 CCV 67-192N
 Misc : soil/water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS13

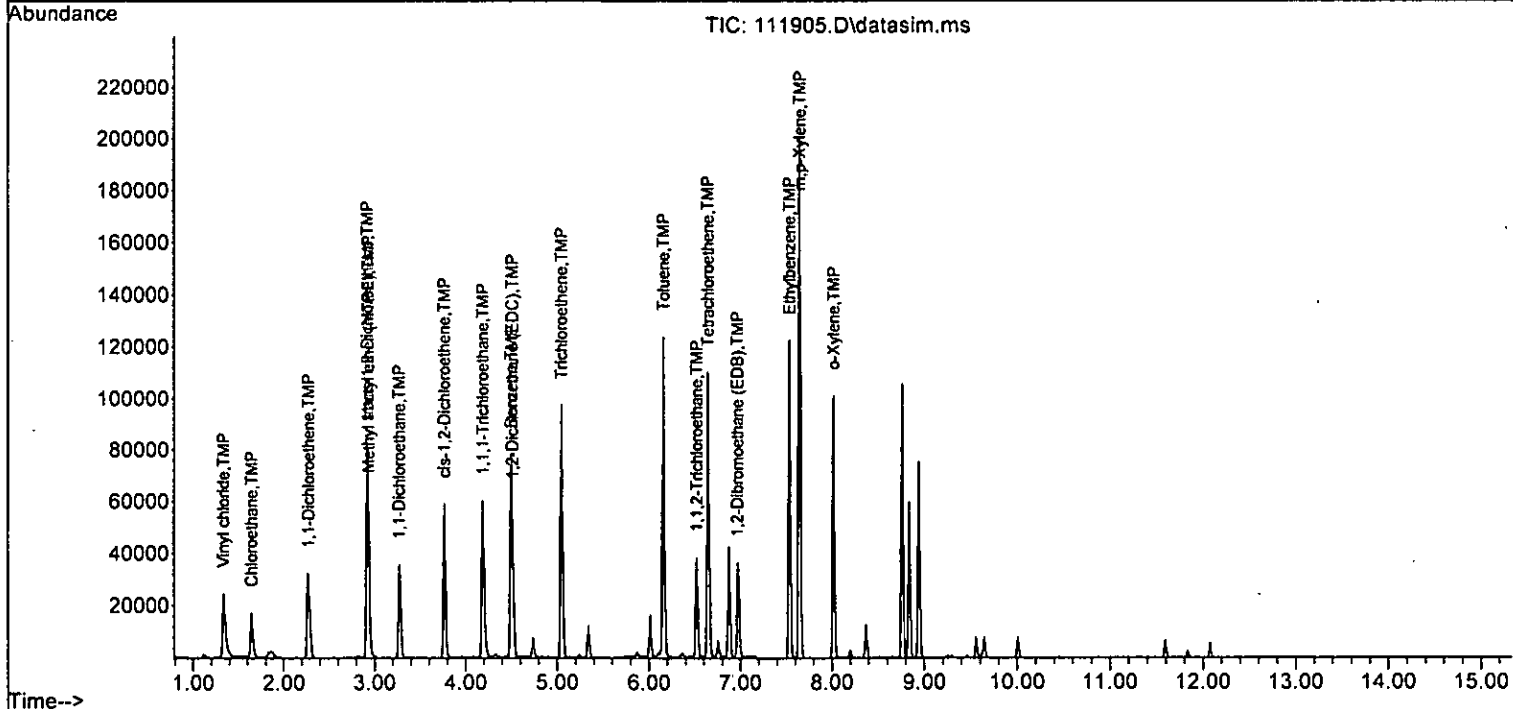
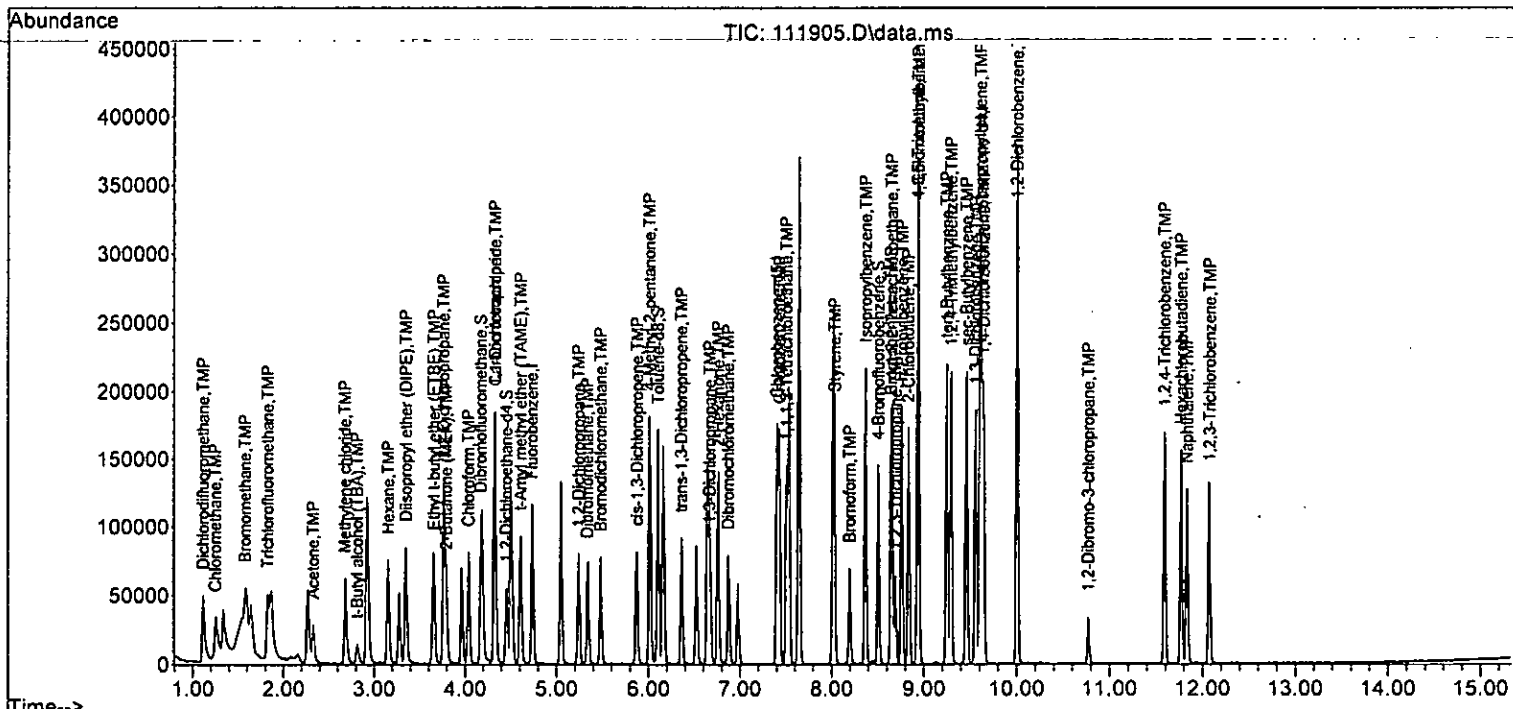
Quant Time: Nov 19 21:57:52 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	6.01	85	22880	56.375	ppb	87
38) cis-1,3-Dichloropropene	5.88	75	37648	10.929	ppb	93
40] Toluene	6.16	92	65411	8.885	ppb	92
41) trans-1,3-Dichloropropene	6.36	75	34998	10.809	ppb	95
42] 1,1,2-Trichloroethane	6.53	83	19196	8.074	ppb #	78
43) 2-Hexanone	6.76	43	75560	43.410	ppb	96
44) 1,3-Dichloropropane	6.67	76	32480	7.736	ppb	100
45] Tetrachloroethene	6.65	164	38263	10.550	ppb	93
46) Dibromochloromethane	6.87	129	40430	10.234	ppb	95
47] 1,2-Dibromoethane (EDB)	6.97	107	31150	9.435	ppb	93
48) Chlorobenzene	7.43	112	85630	9.391	ppb	87
49] Ethylbenzene	7.54	91	121594	8.505	ppb	87
50) 1,1,1,2-Tetrachloroethane	7.51	131	37133	10.461	ppb	97
51] m,p-Xylene	7.65	106	104471	18.596	ppb #	76
52] o-Xylene	8.02	106	51557	9.505	ppb #	75
53) Styrene	8.03	104	76662	9.409	ppb	91
54) Isopropylbenzene	8.37	105	124129	9.417	ppb	92
55) Bromoform	8.20	173	28765	10.476	ppb	98
58) n-Propylbenzene	8.77	91	130639	8.897	ppb	82
59) Bromobenzene	8.65	156	44997	9.879	ppb #	78
60) 1,3,5-Trimethylbenzene	8.94	105	104814	9.794	ppb	91
61) 1,1,2,2-Tetrachloroethane	8.65	83	28484	8.959	ppb	97
62) 1,2,3-Trichloropropane	8.70	75	20244	7.655	ppb	90
63) 2-Chlorotoluene	8.84	91	77424	8.805	ppb	84
64) 4-Chlorotoluene	8.94	91	90888	8.740	ppb	92
65) tert-Butylbenzene	9.25	119	105497	9.938	ppb	86
66) 1,2,4-Trimethylbenzene	9.30	105	108574	10.000	ppb	90
67) sec-Butylbenzene	9.46	105	135922	9.525	ppb	91
68) p-Isopropyltoluene	9.61	119	133656	10.296	ppb	94
69) 1,3-Dichlorobenzene	9.56	146	79836	9.597	ppb	95
70) 1,4-Dichlorobenzene	9.64	146	80347	9.446	ppb	94
71) 1,2-Dichlorobenzene	10.00	146	75929	9.598	ppb	99
72) 1,2-Dibromo-3-chloropr...	10.77	75	5531	9.425	ppb #	74
73) 1,2,4-Trichlorobenzene	11.59	180	51214	9.703	ppb	100
74) Hexachlorobutadiene	11.77	225	31065	9.524	ppb	97
75) Naphthalene	11.83	128	97164	9.621	ppb	98
76) 1,2,3-Trichlorobenzene	12.08	180	43014	9.349	ppb	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS13\11-19-22\
 Data File : 111905.D
 Acq On : 19 Nov 2022 09:44 pm
 Operator : JCM
 Sample : 10 ppb 8260 CCV 67-192N
 Misc : soil/water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 19 21:57:52 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS13\11-21-22\
 Data File : 112103.D
 Acq On : 21 Nov 2022 05:55 am
 Operator : LM
 Sample : 10 ppb 8260 CCV 67-86N
 Misc : soil/water
 ALS Vial : 1 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 07:18:31 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I Fluorobenzene	10.000	10.000	0.0	90	0.00
2 TMP Ethanol	-1.000	0.000	0.0	0	0.00
3 S Dibromofluoromethane	10.000	10.606	-6.1	96	0.00
4 TMP Dichlorodifluoromethane	10.000	9.476	5.2	86	0.00
5 TMP Chloromethane	10.000	8.828	11.7	77	0.00
6 TMP Vinyl chloride	10.000	8.928	10.7	82	0.00
7 TMP Bromomethane	10.000	10.839	-8.4	86	0.01
8 TMP Chloroethane	10.000	10.455	-4.6	91	0.00
9 TMP Trichlorofluoromethane	10.000	10.657	-6.6	99	0.01
10 TMP 2-Propanol	-1.000	0.000	0.0	0	0.00
11 TMP Acetone	50.000	62.777	-25.6#	103	-0.01
12 TMP 1,1-Dichloroethene	10.000	9.641	3.6	88	0.00
13 TMP Hexane	10.000	7.108	28.9#	63	0.00
14 TMP Methylene chloride	10.000	8.940	10.6	80	0.00
15 TMP t-Butyl alcohol (TBA)	50.000	62.282	-24.6#	110	-0.01
16 TMP Methyl t-butyl ether (MTBE)	10.000	10.756	-7.6	95	0.00
17 TMP trans-1,2-Dichloroethene	10.000	9.362	6.4	85	0.00
18 TMP Diisopropyl ether (DIPE)	10.000	8.576	14.2	80	0.00
19 TMP 1,1-Dichloroethane	10.000	8.784	12.2	77	0.00
20 TMP Ethyl t-butyl ether (ETBE)	10.000	12.300	-23.0#	115	0.00
21 TMP 2,2-Dichloropropane	10.000	15.023	-50.2#	144	-0.01
22 TMP cis-1,2-Dichloroethene	10.000	10.017	-0.2	89	0.00
23 TMP Chloroform	10.000	9.126	8.7	83	0.00
24 TMP 2-Butanone (MEK)	50.000	51.630	-3.3	88	0.00
25 TMP t-Amyl methyl ether (TAME)	10.000	11.841	-18.4	107	0.00
26 TMP 1,2-Dichloroethane (EDC)	10.000	9.422	5.8	81	-0.01
27 TMP 1,1,1-Trichloroethane	10.000	11.143	-11.4	102	0.00
28 TMP 1,1-Dichloropropene	10.000	9.441	5.6	83	0.00
29 TMP Carbon tetrachloride	10.000	11.629	-16.3	108	0.00
30 S 1,2-Dichloroethane-d4	10.000	10.382	-3.8	89	0.00
31 TMP Benzene	10.000	8.520	14.8	78	0.00
32 TMP Trichloroethene	10.000	9.227	7.7	85	0.00
33 TMP 1,2-Dichloropropane	10.000	8.478	15.2	78	0.00
34 TMP Bromodichloromethane	10.000	9.759	2.4	85	0.00
35 S Toluene-d8	10.000	10.339	-3.4	91	0.00
36 TMP Dibromomethane	10.000	9.127	8.7	83	-0.01
37 TMP 4-Methyl-2-pentanone	50.000	56.861	-13.7	100	-0.01
38 TMP cis-1,3-Dichloropropene	10.000	10.791	-7.9	105	0.00
39 I Chlorobenzene-d5	10.000	10.000	0.0	103	0.00
40 TMP Toluene	10.000	8.878	11.2	89	0.00
41 TMP trans-1,3-Dichloropropene	10.000	10.808	-8.1	119	0.00
42 TMP 1,1,2-Trichloroethane	10.000	8.278	17.2	83	0.00
43 TMP 2-Hexanone	50.000	50.641	-1.3	104	0.00

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS13\11-21-22\
 Data File : 112103.D
 Acq On : 21 Nov 2022 05:55 am
 Operator : LM
 Sample : 10 ppb 8260 CCV 67-86N
 Misc : soil/water
 ALS Vial : 1 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 07:18:31 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	10.000	7.882	21.2#	81	-0.01
45 TMP Tetrachloroethene	10.000	10.350	-3.5	103	0.00
46 TMP Dibromochloromethane	10.000	10.647	-6.5	113	-0.01
47 TMP 1,2-Dibromoethane (EDB)	10.000	9.574	4.3	101	-0.01
48 TMP Chlorobenzene	10.000	9.492	5.1	101	0.00
49 TMP Ethylbenzene	10.000	8.565	14.4	91	0.00
50 TMP 1,1,1,2-Tetrachloroethane	10.000	10.704	-7.0	116	0.00
51 TMP m,p-Xylene	20.000	18.611	6.9	98	0.00
52 TMP o-Xylene	10.000	9.500	5.0	101	0.00
53 TMP Styrene	10.000	9.539	4.6	98	0.00
54 TMP Isopropylbenzene	10.000	9.336	6.6	96	0.00
55 TMP Bromoform	10.000	10.981	-9.8	118	0.00
56 I 1,4-Dichlorobenzene-d4	10.000	10.000	0.0	109	0.00
57 S 4-Bromofluorobenzene	10.000	8.917	10.8	97	0.00
58 TMP n-Propylbenzene	10.000	8.301	17.0	87	0.00
59 TMP Bromobenzene	10.000	9.567	4.3	105	0.00
60 TMP 1,3,5-Trimethylbenzene	10.000	9.295	7.1	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	10.000	8.483	15.2	87	0.00
62 TMP 1,2,3-Trichloropropane	10.000	7.677	23.2#	85	0.00
63 TMP 2-Chlorotoluene	10.000	8.389	16.1	89	0.00
64 TMP 4-Chlorotoluene	10.000	8.299	17.0	90	0.00
65 TMP tert-Butylbenzene	10.000	9.460	5.4	106	0.00
66 TMP 1,2,4-Trimethylbenzene	10.000	9.499	5.0	102	0.00
67 TMP sec-Butylbenzene	10.000	8.970	10.3	97	0.00
68 TMP p-Isopropyltoluene	10.000	9.562	4.4	104	0.00
69 TMP 1,3-Dichlorobenzene	10.000	9.169	8.3	101	0.00
70 TMP 1,4-Dichlorobenzene	10.000	8.870	11.3	98	0.00
71 TMP 1,2-Dichlorobenzene	10.000	9.197	8.0	99	0.00
72 TMP 1,2-Dibromo-3-chloropropane	10.000	8.967	10.3	100	0.00
73 TMP 1,2,4-Trichlorobenzene	10.000	8.954	10.5	103	0.00
74 TMP Hexachlorobutadiene	10.000	8.420	15.8	95	0.00
75 TMP Naphthalene	10.000	9.157	8.4	107	0.00
76 TMP 1,2,3-Trichlorobenzene	10.000	8.726	12.7	99	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS13\11-21-22\
 Data File : 112103.D
 Acq On : 21 Nov 2022 05:55 am
 Operator : LM
 Sample : 10 ppb 8260 CCV 67-86N
 Misc : soil/water
 ALS Vial : 1 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 07:18:31 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	1.000	1.000	0.0	90	0.00
2 TMP	Ethanol	0.000	0.000#	0.0	0#	0.00
3 S	Dibromofluoromethane	0.321	0.340	-5.9	96	0.00
4 TMP	Dichlorodifluoromethane	0.800	0.758	5.3	86	0.00
5 TMP	Chloromethane	0.488	0.431	11.7	77	0.00
6 TMP	Vinyl chloride	0.510	0.455	10.8	82	0.00
7 TMP	Bromomethane	0.432	0.468	-8.3	86	0.01
8 TMP	Chloroethane	0.229	0.239	-4.4	91	0.00
9 TMP	Trichlorofluoromethane	1.123	1.197	-6.6	99	0.01
10 TMP	2-Propanol	0.000	0.000	0.0	0#	0.00
11 TMP	Acetone	0.029	0.033	-13.8	103	-0.01
12 TMP	1,1-Dichloroethene	0.285	0.275	3.5	88	0.00
13 TMP	Hexane	0.323	0.230	28.8#	63	0.00
14 TMP	Methylene chloride	0.289	0.271	6.2	80	0.00
15 TMP	t-Butyl alcohol (TBA)	0.024	0.030#	-25.0#	110	-0.01
16 TMP	Methyl t-butyl ether (MTBE)	0.666	0.716	-7.5	95	0.00
17 TMP	trans-1,2-Dichloroethene	0.318	0.298	6.3	85	0.00
18 TMP	Diisopropyl ether (DIPE)	0.698	0.598	14.3	80	0.00
19 TMP	1,1-Dichloroethane	0.463	0.407	12.1	77	0.00
20 TMP	Ethyl t-butyl ether (ETBE)	0.258	0.317	-22.9#	115	0.00
21 TMP	2,2-Dichloropropane	0.258	0.364	-41.1#	144	-0.01
22 TMP	cis-1,2-Dichloroethene	0.333	0.334	-0.3	89	0.00
23 TMP	Chloroform	0.539	0.492	8.7	83	0.00
24 TMP	2-Butanone (MEK)	0.132	0.130	1.5	88	0.00
25 TMP	t-Amyl methyl ether (TAME)	0.540	0.640	-18.5	107	0.00
26 TMP	1,2-Dichloroethane (EDC)	0.465	0.383	17.6	81	-0.01
27 TMP	1,1,1-Trichloroethane	0.482	0.537	-11.4	102	0.00
28 TMP	1,1-Dichloropropene	0.370	0.341	7.8	83	0.00
29 TMP	Carbon tetrachloride	0.485	0.564	-16.3	108	0.00
30 S	1,2-Dichloroethane-d4	0.062	0.065	-4.8	89	0.00
31 TMP	Benzene	1.118	0.953	14.8	78	0.00
32 TMP	Trichloroethene	0.367	0.338	7.9	85	0.00
33 TMP	1,2-Dichloropropane	0.241	0.204	15.4	78	0.00
34 TMP	Bromodichloromethane	0.387	0.377	2.6	85	0.00
35 S	Toluene-d8	0.954	0.986	-3.4	91	0.00
36 TMP	Dibromomethane	0.219	0.200	8.7	83	-0.01
37 TMP	4-Methyl-2-pentanone	0.042	0.048	-14.3	100	-0.01
38 TMP	cis-1,3-Dichloropropene	0.360	0.389	-8.1	105	0.00
39 I	Chlorobenzene-d5	1.000	1.000	0.0	103	0.00
40 TMP	Toluene	0.907	0.712	21.5#	89	0.00
41 TMP	trans-1,3-Dichloropropene	0.366	0.381	-4.1	119	0.00
42 TMP	1,1,2-Trichloroethane	0.285	0.214	24.9#	83	0.00
43 TMP	2-Hexanone	0.190	0.192	-1.1	104	0.00

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS13\11-21-22\
 Data File : 112103.D
 Acq On : 21 Nov 2022 05:55 am
 Operator : LM
 Sample : 10 ppb 8260 CCV 67-86N
 Misc : soil/water
 ALS Vial : 1 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 07:18:31 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44 TMP 1,3-Dichloropropane	0.457	0.360	21.2#	81	-0.01
45 TMP Tetrachloroethene	0.460	0.409	11.1	103	0.00
46 TMP Dibromochloromethane	0.451	0.458	-1.6	113	-0.01
47 TMP 1,2-Dibromoethane (EDB)	0.360	0.344	4.4	101	-0.01
48 TMP Chlorobenzene	0.993	0.943	5.0	101	0.00
49 TMP Ethylbenzene	1.557	1.333	14.4	91	0.00
50 TMP 1,1,1,2-Tetrachloroethane	0.387	0.414	-7.0	116	0.00
51 TMP m,p-Xylene	0.612	0.569	7.0	98	0.00
52 TMP o-Xylene	0.591	0.561	5.1	101	0.00
53 TMP Styrene	0.887	0.846	4.6	98	0.00
54 TMP Isopropylbenzene	1.435	1.340	6.6	96	0.00
55 TMP Bromoform	0.299	0.328	-9.7	118	0.00
56 I 1,4-Dichlorobenzene-d4	1.000	1.000	0.0	109	0.00
57 S 4-Bromofluorobenzene	0.689	0.614	10.9	97	0.00
58 TMP n-Propylbenzene	2.700	2.241	17.0	87	0.00
59 TMP Bromobenzene	0.837	0.801	4.3	105	0.00
60 TMP 1,3,5-Trimethylbenzene	1.968	1.829	7.1	100	0.00
61 TMP 1,1,2,2-Tetrachloroethane	0.626	0.496#	20.8#	87	0.00
62 TMP 1,2,3-Trichloropropane	0.486	0.373#	23.3#	85	0.00
63 TMP 2-Chlorotoluene	1.617	1.356	16.1	89	0.00
64 TMP 4-Chlorotoluene	1.912	1.587	17.0	90	0.00
65 TMP tert-Butylbenzene	1.952	1.847	5.4	106	0.00
66 TMP 1,2,4-Trimethylbenzene	1.996	1.896	5.0	102	0.00
67 TMP sec-Butylbenzene	2.624	2.354	10.3	97	0.00
68 TMP p-Isopropyltoluene	2.387	2.282	4.4	104	0.00
69 TMP 1,3-Dichlorobenzene	1.530	1.402	8.4	101	0.00
70 TMP 1,4-Dichlorobenzene	1.564	1.387	11.3	98	0.00
71 TMP 1,2-Dichlorobenzene	1.455	1.338	8.0	99	0.00
72 TMP 1,2-Dibromo-3-chloropropane	0.108	0.097	10.2	100	0.00
73 TMP 1,2,4-Trichlorobenzene	0.971	0.869	10.5	103	0.00
74 TMP Hexachlorobutadiene	0.600	0.505	15.8	95	0.00
75 TMP Naphthalene	1.833	1.698	7.4	107	0.00
76 TMP 1,2,3-Trichlorobenzene	0.846	0.738	12.8	99	0.00

(#) = Out of Range

SPCC's out = 4 CCC's out = 0

Data Path : Y:\Proc_GCMS13\11-21-22\
 Data File : 112103.D
 Acq On : 21 Nov 2022 05:55 am
 Operator : LM
 Sample : 10 ppb 8260 CCV 67-86N
 Misc : soil/water
 ALS Vial : 1 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 07:18:31 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) Fluorobenzene	4.75	96	93674	10.000	ppb	0.00	
39) Chlorobenzene-d5	7.40	117	89845	10.000	ppb	0.00	
56) 1,4-Dichlorobenzene-d4	9.62	152	55507	10.000	ppb	0.00	
System Monitoring Compounds							
3) Dibromofluoromethane	4.17	113	31861	10.606	ppb	0.00	
Spiked Amount	10.000	Range 50 - 150	Recovery	=	106.10%		
30) 1,2-Dichloroethane-d4	4.45	102	6044	10.382	ppb	0.00	
Spiked Amount	10.000	Range 84 - 120	Recovery	=	103.80%		
35) Toluene-d8	6.11	98	92367	10.339	ppb	0.00	
Spiked Amount	10.000	Range 73 - 128	Recovery	=	103.40%		
57) 4-Bromofluorobenzene	8.51	95	34103	8.917	ppb	0.00	
Spiked Amount	10.000	Range 57 - 146	Recovery	=	89.20%		
Target Compounds							
2) Ethanol	2.33	45	295	No Calib			Qvalue
4) Dichlorodifluoromethane	1.12	85	71016	9.476	ppb		94
5) Chloromethane	1.26	50	40367	8.828	ppb		98
6] Vinyl chloride	1.34	62	42629	8.928	ppb		96
7) Bromomethane	1.59	94	43867	10.839	ppb		94
8] Chloroethane	1.65	64	22395	10.455	ppb		99
9) Trichlorofluoromethane	1.84	101	112117	10.657	ppb		99
10) 2-Propanol	2.33	45	295	No Calib	#		
11) Acetone	2.32	58	15478	62.777	ppb		95
12] 1,1-Dichloroethene	2.27	96	25730	9.641	ppb		99
13) Hexane	3.16	57	21525	7.108	ppb		98
14) Methylene chloride	2.68	84	25423	8.940	ppb		97
15) t-Butyl alcohol (TBA)	2.81	59	14003	62.282	ppb		92
16] Methyl t-butyl ether (...)	2.93	73	67085	10.756	ppb		97
17] trans-1,2-Dichloroethene	2.92	96	27930	9.362	ppb		97
18) Diisopropyl ether (DIPE)	3.35	45	56058	8.576	ppb		92
19] 1,1-Dichloroethane	3.27	63	38131	8.784	ppb		98
20) Ethyl t-butyl ether (E...)	3.66	87	29681	12.300	ppb		89
21) 2,2-Dichloropropane	3.76	77	34062	15.023	ppb		100
22] cis-1,2-Dichloroethene	3.77	96	31258	10.017	ppb		93
23) Chloroform	4.04	83	46046	9.126	ppb		98
24) 2-Butanone (MEK)	3.79	43	60693	51.630	ppb		97
25) t-Amyl methyl ether (T...)	4.61	73	59943	11.841	ppb		91
26] 1,2-Dichloroethane (EDC)	4.52	62	35880	9.422	ppb		93
27] 1,1,1-Trichloroethane	4.19	97	50294	11.143	ppb		96
28) 1,1-Dichloropropene	4.33	75	31963	9.441	ppb		88
29) Carbon tetrachloride	4.33	117	52847	11.629	ppb		99
31] Benzene	4.50	78	89251	8.520	ppb		100
32] Trichloroethene	5.05	95	31678	9.227	ppb	#	65
33) 1,2-Dichloropropane	5.24	63	19135	8.478	ppb		89
34) Bromodichloromethane	5.48	83	35343	9.759	ppb		95
36) Dibromomethane	5.34	93	18762	9.127	ppb	#	79

Data Path : Y:\Proc_GCMS13\11-21-22\
 Data File : 112103.D
 Acq On : 21 Nov 2022 05:55 am
 Operator : LM
 Sample : 10 ppb 8260 CCV 67-86N
 Misc : soil/water
 ALS Vial : 1 Sample Multiplier: 1
 InstName : GCMS13

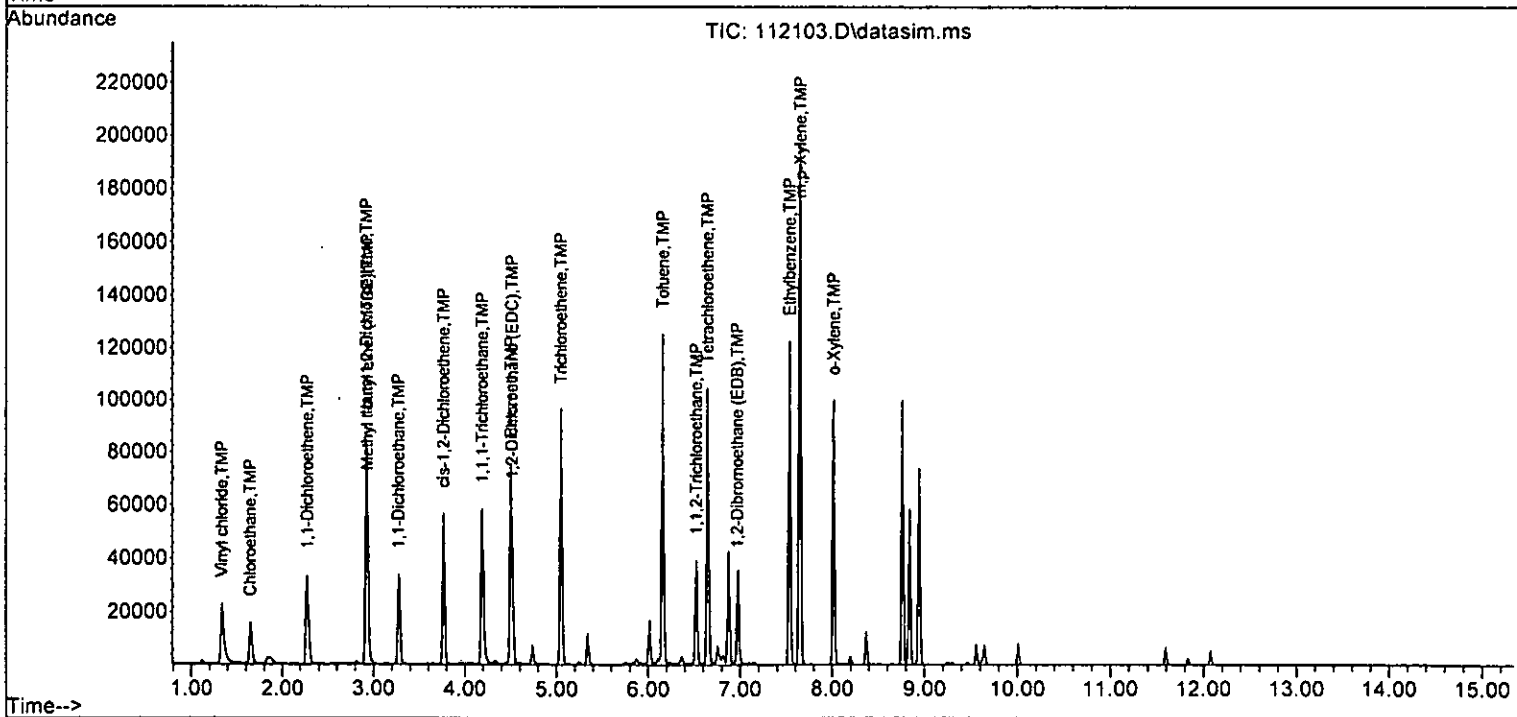
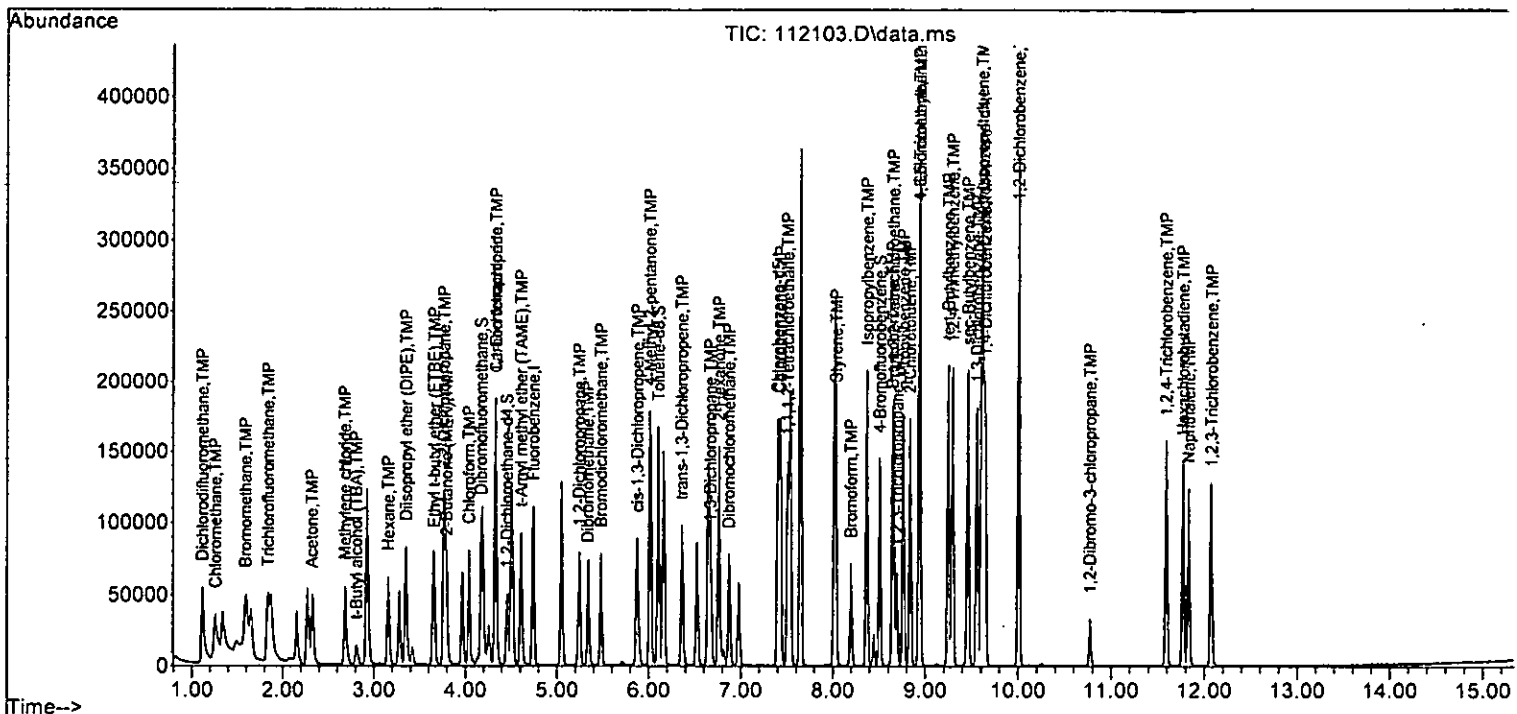
Quant Time: Nov 21 07:18:31 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	6.01	85	22597	56.861	ppb	92
38) cis-1,3-Dichloropropene	5.88	75	36398	10.791	ppb	91
40] Toluene	6.16	92	63954	8.878	ppb	94
41) trans-1,3-Dichloropropene	6.36	75	34239	10.808	ppb	91
42] 1,1,2-Trichloroethane	6.53	83	19255	8.278	ppb #	79
43) 2-Hexanone	6.76	43	86244	50.641	ppb	93
44) 1,3-Dichloropropane	6.67	76	32376	7.882	ppb	100
45] Tetrachloroethene	6.65	164	36728	10.350	ppb	94
46) Dibromochloromethane	6.87	129	41162	10.647	ppb	100
47] 1,2-Dibromoethane (EDB)	6.97	107	30925	9.574	ppb	93
48) Chlorobenzene	7.43	112	84680	9.492	ppb	88
49] Ethylbenzene	7.54	91	119808	8.565	ppb	87
50) 1,1,1,2-Tetrachloroethane	7.51	131	37176	10.704	ppb	96
51] m,p-Xylene	7.65	106	102304	18.611	ppb #	77
52] o-Xylene	8.02	106	50422	9.500	ppb #	75
53) Styrene	8.03	104	76040	9.539	ppb	90
54) Isopropylbenzene	8.37	105	120397	9.336	ppb	90
55) Bromoform	8.20	173	29501	10.981	ppb	99
58) n-Propylbenzene	8.77	91	124393	8.301	ppb	80
59) Bromobenzene	8.65	156	44471	9.567	ppb #	79
60) 1,3,5-Trimethylbenzene	8.94	105	101520	9.295	ppb	89
61) 1,1,2,2-Tetrachloroethane	8.65	83	27547	8.483	ppb	94
62) 1,2,3-Trichloropropane	8.70	75	20718	7.677	ppb	89
63) 2-Chlorotoluene	8.84	91	75288	8.389	ppb	84
64) 4-Chlorotoluene	8.94	91	88070	8.299	ppb	91
65) tert-Butylbenzene	9.25	119	102498	9.460	ppb	86
66) 1,2,4-Trimethylbenzene	9.30	105	105258	9.499	ppb	88
67) sec-Butylbenzene	9.46	105	130643	8.970	ppb	90
68) p-Isopropyltoluene	9.61	119	126683	9.562	ppb	94
69) 1,3-Dichlorobenzene	9.56	146	77842	9.169	ppb	95
70) 1,4-Dichlorobenzene	9.64	146	76999	8.870	ppb	97
71) 1,2-Dichlorobenzene	10.01	146	74257	9.197	ppb	98
72) 1,2-Dibromo-3-chloropr...	10.77	75	5371	8.967	ppb #	65
73) 1,2,4-Trichlorobenzene	11.59	180	48237	8.954	ppb	99
74) Hexachlorobutadiene	11.77	225	28029	8.420	ppb	95
75) Naphthalene	11.83	128	94278	9.157	ppb	99
76) 1,2,3-Trichlorobenzene	12.08	180	40972	8.726	ppb	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS13\11-21-22\
 Data File : 112103.D
 Acq On : 21 Nov 2022 05:55 am
 Operator : LM
 Sample : 10 ppb 8260 CCV 67-86N
 Misc : soil/water
 ALS Vial : 1 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 07:18:31 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



EPA 8260D
Quality Assurance Data

Data Path : Y:\Proc_GCMS4\11-19-22\
 Data File : 111907.D
 Acq On : 19 Nov 2022 10:12 pm
 Operator : JCM
 Sample : 02-2765 lcs rr
 Misc : soil
 ALS Vial : 7 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 19 22:27:24 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	4.78	96	58774	10.000	ppb	0.00
39) Chlorobenzene-d5	7.43	117	56015	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.65	152	37611	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.21	113	17221	10.659	ppb	0.00
Spiked Amount	10.000	Range	0 - 1000	Recovery	=	106.60%
30) 1,2-Dichloroethane-d4	4.49	102	3605	9.660	ppb	0.00
Spiked Amount	10.000	Range	90 - 109	Recovery	=	96.60%
35) Toluene-d8	6.14	98	64049	10.878	ppb	0.00
Spiked Amount	10.000	Range	89 - 112	Recovery	=	108.80%
57) 4-Bromofluorobenzene	8.54	95	26334	9.984	ppb	0.00
Spiked Amount	10.000	Range	84 - 115	Recovery	=	99.80%
Target Compounds						
2) Ethanol	1.08	45	485	No Calib	#	
4) Dichlorodifluoromethane	1.18	85	13283	5.517	ppb	93
5) Chloromethane	1.32	50	19228	8.614	ppb	95
6) Vinyl chloride	1.40	62	20686	9.769	ppb	97
7) Bromomethane	1.64	94	18610	18.901	ppb	99
8) Chloroethane	1.71	64	12846	11.568	ppb	97
9) Trichlorofluoromethane	1.90	101	38699	11.722	ppb	98
10) 2-Propanol	2.98	45	3162	No Calib		
11) Acetone	2.39	58	12383	79.371	ppb	96
12) 1,1-Dichloroethene	2.32	96	22108	11.283	ppb	83
13) Hexane	3.21	57	23438	11.443	ppb	94
14) Methylene chloride	2.74	84	26519	12.807	ppb	83
15) t-Butyl alcohol (TBA)	2.87	59	17504	58.127	ppb	95
16) Methyl t-butyl ether (...)	2.99	73	66136	11.583	ppb	98
17) trans-1,2-Dichloroethene	2.97	96	23258	11.214	ppb	# 82
18) Diisopropyl ether (DIPE)	3.40	45	57666	11.042	ppb	89
19) 1,1-Dichloroethane	3.32	63	35927	11.409	ppb	97
20) Ethyl t-butyl ether (E...)	3.70	87	29018	11.618	ppb	# 80
21) 2,2-Dichloropropane	3.81	77	27660	13.704	ppb	94
22) cis-1,2-Dichloroethene	3.81	96	26129	11.638	ppb	# 82
23) Chloroform	4.08	83	40684	11.924	ppb	100
24) 2-Butanone (MEK)	3.83	43	58372	53.367	ppb	96
25) t-Amyl methyl ether (T...)	4.65	73	64584	11.403	ppb	96
26) 1,2-Dichloroethane (EDC)	4.55	62	30439	11.820	ppb	94
27) 1,1,1-Trichloroethane	4.23	97	36133	11.548	ppb	94
28) 1,1-Dichloropropene	4.37	75	31349	11.903	ppb	89
29) Carbon tetrachloride	4.37	117	33763	11.986	ppb	93
31) Benzene	4.54	78	89132	11.796	ppb	95
32) Trichloroethene	5.09	95	25471	11.622	ppb	# 77
33) 1,2-Dichloropropane	5.27	63	20523	12.277	ppb	99
34) Bromodichloromethane	5.51	83	29144	11.487	ppb	95
36) Dibromomethane	5.37	93	15607	12.309	ppb	81

Data Path : Y:\Proc_GCMS4\11-19-22\
 Data File : 111907.D
 Acq On : 19 Nov 2022 10:12 pm
 Operator : JCM
 Sample : 02-2765 lcs rr
 Misc : soil
 ALS Vial : 7 Sample Multiplier: 1
 InstName : GCMS4

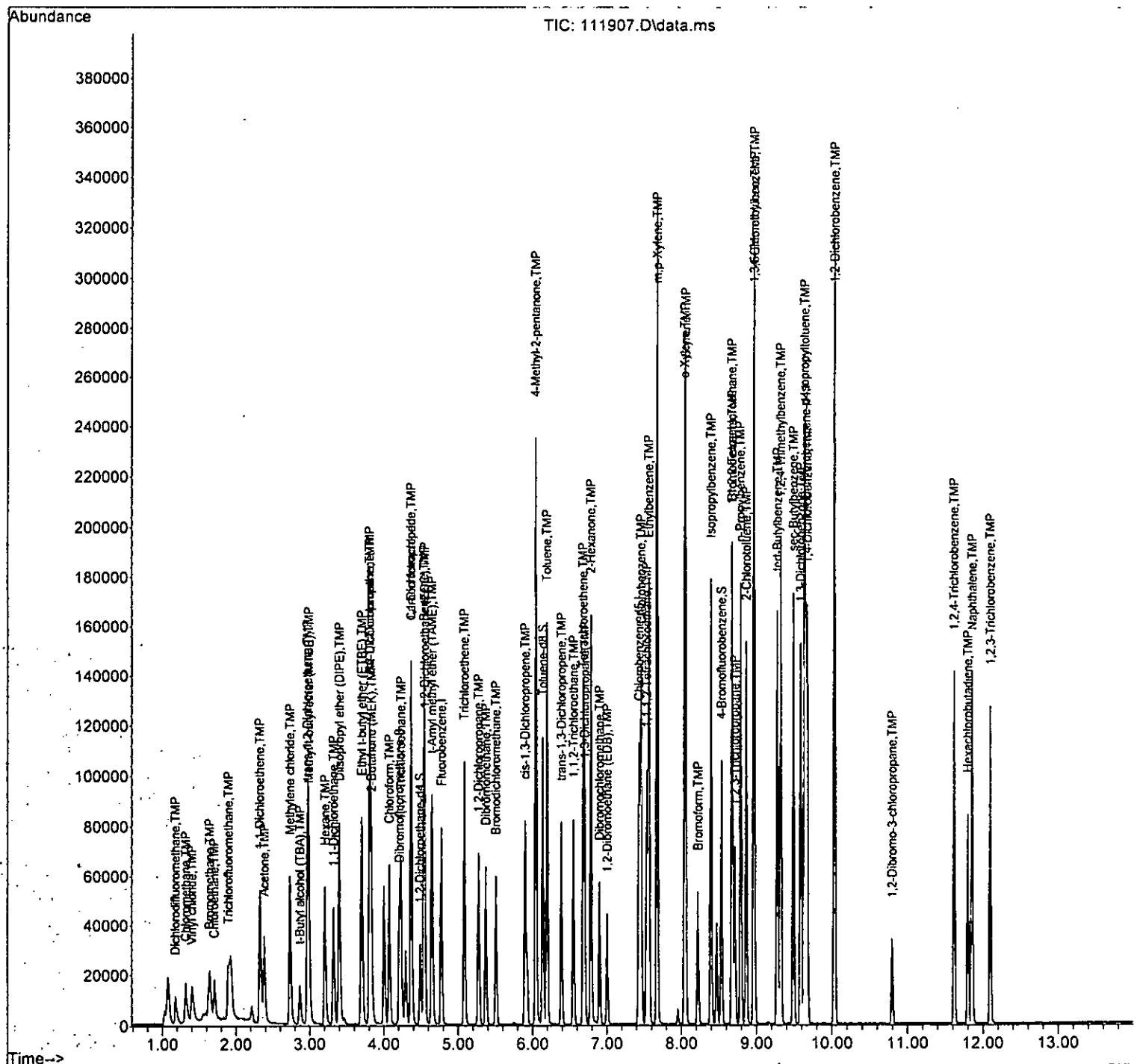
Quant Time: Nov 19 22:27:24 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	6.04	85	25700	56.867	ppb #	78
38) cis-1,3-Dichloropropene	5.90	75	34936	11.789	ppb	92
40) Toluene	6.19	92	56534	10.429	ppb	98
41) trans-1,3-Dichloropropene	6.39	75	32021	10.339	ppb	95
42) 1,1,2-Trichloroethane	6.55	83	17502	10.661	ppb	91
43) 2-Hexanone	6.79	43	83882	46.734	ppb	97
44) 1,3-Dichloropropane	6.70	76	32235	10.273	ppb	100
45) Tetrachloroethene	6.68	164	25796	10.689	ppb	99
46) Dibromochloromethane	6.90	129	26364	11.143	ppb	99
47) 1,2-Dibromoethane (EDB)	7.00	107	23607	10.584	ppb	96
48) Chlorobenzene	7.46	112	67688	10.525	ppb	88
49) Ethylbenzene	7.56	91	106514	10.305	ppb	93
50) 1,1,1,2-Tetrachloroethane	7.54	131	24697	10.361	ppb	95
51) m,p-Xylene	7.67	106	86991	20.819	ppb	89
52) o-Xylene	8.05	106	44281	10.665	ppb	89
53) Styrene	8.06	104	71049	10.083	ppb	89
54) Isopropylbenzene	8.40	105	106609	10.134	ppb	94
55) Bromoform	8.22	173	22636	11.774	ppb	98
58) n-Propylbenzene	8.79	91	122012	10.249	ppb	93
59) Bromobenzene	8.68	156	35677	10.358	ppb #	77
60) 1,3,5-Trimethylbenzene	8.97	105	91826	10.450	ppb	89
61) 1,1,2,2-Tetrachloroethane	8.67	83	31184	10.286	ppb	97
62) 1,2,3-Trichloropropane	8.72	75	23607	10.282	ppb	97
63) 2-Chlorotoluene	8.87	91	73168	10.296	ppb	87
64) 4-Chlorotoluene	8.97	91	86272	10.180	ppb	83
65) tert-Butylbenzene	9.28	119	80781	10.414	ppb	84
66) 1,2,4-Trimethylbenzene	9.32	105	94945	10.376	ppb	90
67) sec-Butylbenzene	9.49	105	107873	10.358	ppb	94
68) p-Isopropyltoluene	9.64	119	99040	10.426	ppb	91
69) 1,3-Dichlorobenzene	9.59	146	64525	10.563	ppb	95
70) 1,4-Dichlorobenzene	9.67	146	63597	10.093	ppb	94
71) 1,2-Dichlorobenzene	10.03	146	62052	10.344	ppb	95
72) 1,2-Dibromo-3-chloropr...	10.80	75	6655	10.588	ppb #	58
73) 1,2,4-Trichlorobenzene	11.62	180	45047	9.978	ppb	99
74) Hexachlorobutadiene	11.80	225	17463	10.035	ppb	94
75) Naphthalene	11.86	128	107034	9.625	ppb	99
76) 1,2,3-Trichlorobenzene	12.10	180	41981	9.825	ppb	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

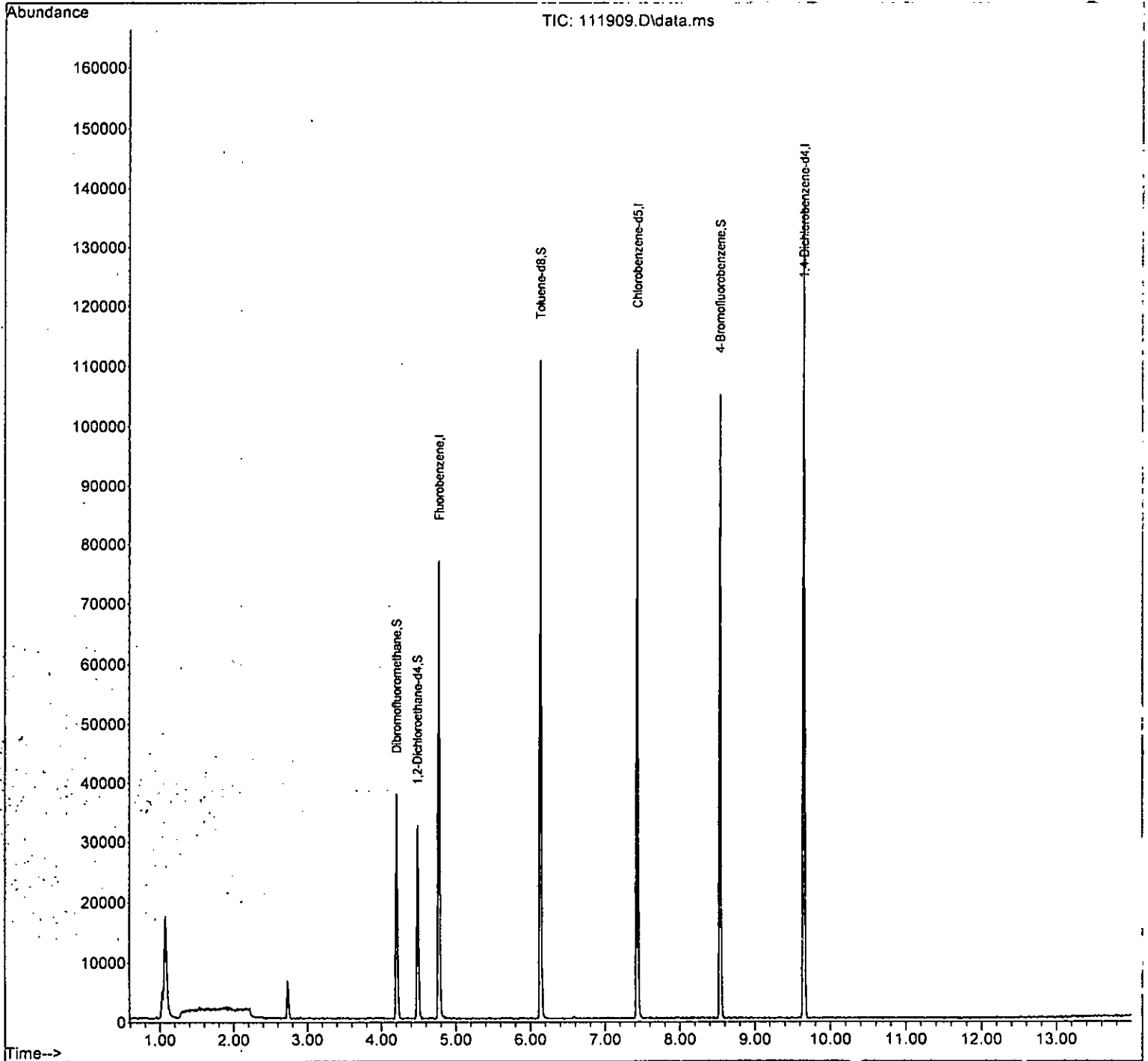
Data Path : Y:\Proc_GCMS4\11-19-22\
 Data File : 111907.D
 Acq On : 19 Nov 2022 10:12 pm
 Operator : JCM
 Sample : 02-2765 lcs rr
 Misc : soil
 ALS Vial : 7 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 19 22:27:24 2022
 Quant Method : D:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



Data Path : Y:\Proc_GCMS4\11-19-22\
 Data File : 111909.D
 Acq On : 19 Nov 2022 11:32 pm
 Operator : JCM
 Sample : 02-2765 mb
 Misc : soil
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 22 10:34:56 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



Data Path : Y:\Proc_GCMS4\11-19-22\
 Data File : 111909.D
 Acq On : 19 Nov 2022 11:32 pm
 Operator : JCM
 Sample : 02-2765 mb
 Misc : soil
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 22 10:34:56 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.78	96	59887	10.000	ppb	0.00
39) Chlorobenzene-d5	7.43	117	56485	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.65	152	38274	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.21	113	17163	10.425	ppb	0.00
Spiked Amount	10.000	Range	0 - 1000	Recovery	=	104.30%
30) 1,2-Dichloroethane-d4	4.49	102	3619	9.518	ppb	0.00
Spiked Amount	10.000	Range	90 - 109	Recovery	=	95.20%
35) Toluene-d8	6.14	98	63034	10.507	ppb	0.00
Spiked Amount	10.000	Range	89 - 112	Recovery	=	105.10%
57) 4-Bromofluorobenzene	8.54	95	25830	9.623	ppb	0.00
Spiked Amount	10.000	Range	84 - 115	Recovery	=	96.20%
Target Compounds						
2) Ethanol	1.08	45	135	No Calib	#	Qvalue
4) Dichlorodifluoromethane	0.00		0	N.D.		
5) Chloromethane	0.00		0	N.D.		
6) Vinyl chloride	0.00		0	N.D.		
7) Bromomethane	1.63	94	150	N.D.		
8) Chloroethane	0.00		0	N.D.		
9) Trichlorofluoromethane	0.00		0	N.D.		
10) 2-Propanol	0.00		0	N.D.		
11) Acetone	0.00		0	N.D.		
12) 1,1-Dichloroethene	0.00		0	N.D.		
13) Hexane	0.00		0	N.D.		
14) Methylene chloride	2.73	84	2687	Below Cal	#	79
15) t-Butyl alcohol (TBA)	0.00		0	N.D.		
16) Methyl t-butyl ether (...)	0.00		0	N.D.		
17) trans-1,2-Dichloroethene	0.00		0	N.D.		
18) Diisopropyl ether (DIPE)	0.00		0	N.D.		
19) 1,1-Dichloroethane	0.00		0	N.D.		
20) Ethyl t-butyl ether (E...)	0.00		0	N.D.		
21) 2,2-Dichloropropane	0.00		0	N.D.		
22) cis-1,2-Dichloroethene	0.00		0	N.D.		
23) Chloroform	0.00		0	N.D.		
24) 2-Butanone (MEK)	0.00		0	N.D.		
25) t-Amyl methyl ether (T...)	0.00		0	N.D.		
26) 1,2-Dichloroethane (EDC)	0.00		0	N.D.		
27) 1,1,1-Trichloroethane	0.00		0	N.D.		
28) 1,1-Dichloropropene	0.00		0	N.D.		
29) Carbon tetrachloride	0.00		0	N.D.		
31) Benzene	0.00		0	N.D.		
32) Trichloroethene	0.00		0	N.D.		
33) 1,2-Dichloropropane	0.00		0	N.D.		
34) Bromodichloromethane	0.00		0	N.D.		
36) Dibromomethane	0.00		0	N.D.		

Data Path : Y:\Proc_GCMS4\11-19-22\
 Data File : 111909.D
 Acq On : 19 Nov 2022 11:32 pm
 Operator : JCM
 Sample : 02-2765 mb
 Misc : soil
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS4

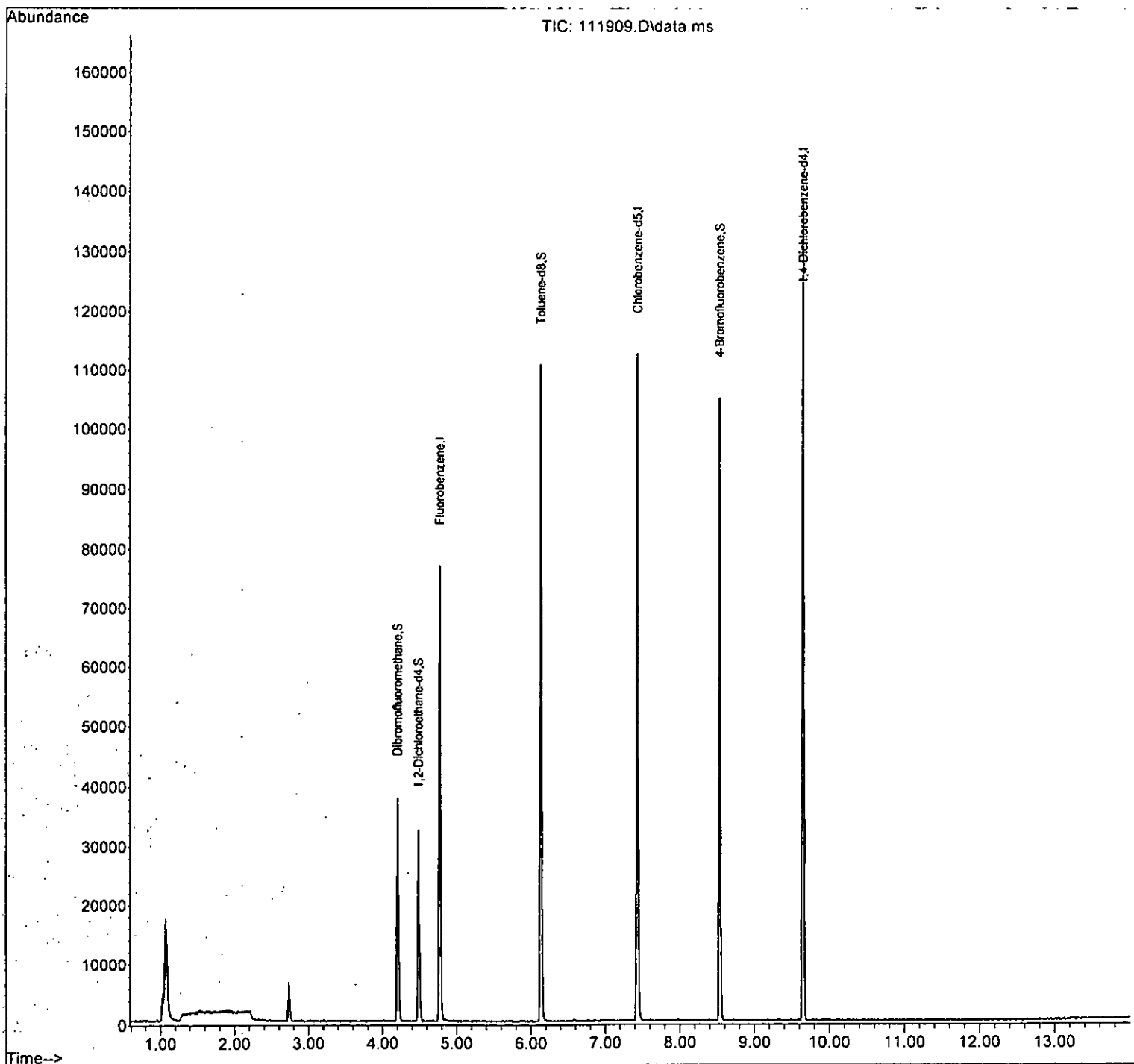
Quant Time: Nov 22 10:34:56 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 Qlast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.00		0		N.D.	
38) cis-1,3-Dichloropropene	0.00		0		N.D.	
40) Toluene	0.00		0		N.D.	
41) trans-1,3-Dichloropropene	0.00		0		N.D.	
42) 1,1,2-Trichloroethane	0.00		0		N.D.	
43) 2-Hexanone	0.00		0		N.D.	
44) 1,3-Dichloropropane	0.00		0		N.D.	
45) Tetrachloroethene	0.00		0		N.D.	
46) Dibromochloromethane	0.00		0		N.D.	
47) 1,2-Dibromoethane (EDB)	0.00		0		N.D.	
48) Chlorobenzene	0.00		0		N.D.	
49) Ethylbenzene	0.00		0		N.D.	
50) 1,1,1,2-Tetrachloroethane	0.00		0		N.D.	
51) m,p-Xylene	0.00		0		N.D.	
52) o-Xylene	0.00		0		N.D.	
53) Styrene	0.00		0		N.D.	
54) Isopropylbenzene	0.00		0		N.D.	
55) Bromoform	0.00		0		N.D.	
58) n-Propylbenzene	0.00		0		N.D.	
59) Bromobenzene	0.00		0		N.D.	
60) 1,3,5-Trimethylbenzene	0.00		0		N.D.	
61) 1,1,2,2-Tetrachloroethane	0.00		0		N.D.	
62) 1,2,3-Trichloropropane	0.00		0		N.D.	d
63) 2-Chlorotoluene	0.00		0		N.D.	
64) 4-Chlorotoluene	0.00		0		N.D.	
65) tert-Butylbenzene	0.00		0		N.D.	
66) 1,2,4-Trimethylbenzene	0.00		0		N.D.	
67) sec-Butylbenzene	0.00		0		N.D.	
68) p-Isopropyltoluene	0.00		0		N.D.	
69) 1,3-Dichlorobenzene	0.00		0		N.D.	
70) 1,4-Dichlorobenzene	0.00		0		N.D.	
71) 1,2-Dichlorobenzene	0.00		0		N.D.	
72) 1,2-Dibromo-3-chloropr...	0.00		0		N.D.	
73) 1,2,4-Trichlorobenzene	0.00		0		N.D.	
74) Hexachlorobutadiene	0.00		0		N.D.	
75) Naphthalene	0.00		0		N.D.	
76) 1,2,3-Trichlorobenzene	0.00		0		N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS4\11-19-22\
Data File : 111909.D
Acq On : 19 Nov 2022 11:32 pm
Operator : JCM
Sample : 02-2765 mb
Misc : soil
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS4

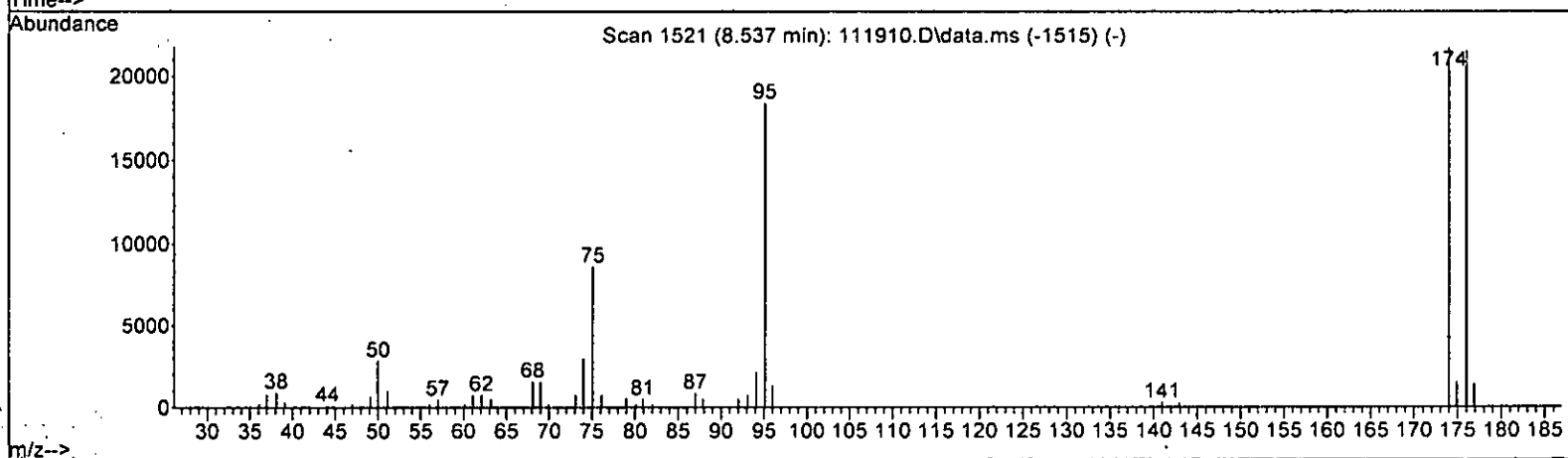
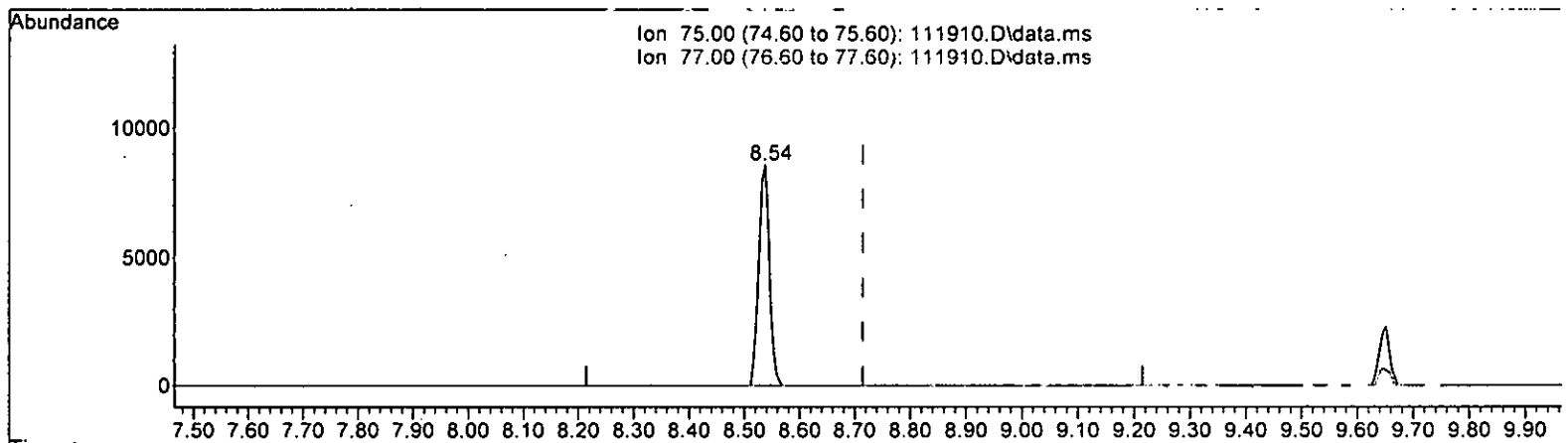
Quant Time: Nov 22 10:34:56 2022
Quant Method : Y:\Methods\Inst4\VB110822ms4.M
Quant Title : 8260 Purge & Trap Volatiles
QLast Update : Tue Nov 08 16:47:05 2022
Response via : Initial Calibration
DataAcq Meth:8260VM1.M



Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS4\11-19-22\
 Data File : 111910.D
 Acq On : 19 Nov 2022 11:56 pm
 Operator : JCM
 Sample : 211285-01
 Misc : soil
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 22 10:35:00 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



TIC: 111910.D\data.ms

(62) 1,2,3-Trichloropropane (TMP)
 8.537min (-0.178) 5.140 ppb

response	11374	
Ion	Exp%	Act%
75.00	100.00	100.00
77.00	32.90	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Y:\Proc_GCMS4\11-19-22\
 Data File : 111910.D
 Acq On : 19 Nov 2022 11:56 pm
 Operator : JCM
 Sample : 211285-01
 Misc : soil
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 22 10:35:00 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	4.78	96	58528	10.000	ppb	0.00
39) Chlorobenzene-d5	7.43	117	53425	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.65	152	36248	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.21	113	16889	10.497	ppb	0.00
Spiked Amount	10.000	Range	0 - 1000	Recovery	=	105.00%
30) 1,2-Dichloroethane-d4	4.49	102	3424	9.214	ppb	0.00
Spiked Amount	10.000	Range	90 - 109	Recovery	=	92.10%
35) Toluene-d8	6.14	98	60992	10.403	ppb	0.00
Spiked Amount	10.000	Range	89 - 112	Recovery	=	104.00%
57) 4-Bromofluorobenzene	8.54	95	25057	9.857	ppb	0.00
Spiked Amount	10.000	Range	84 - 115	Recovery	=	98.60%

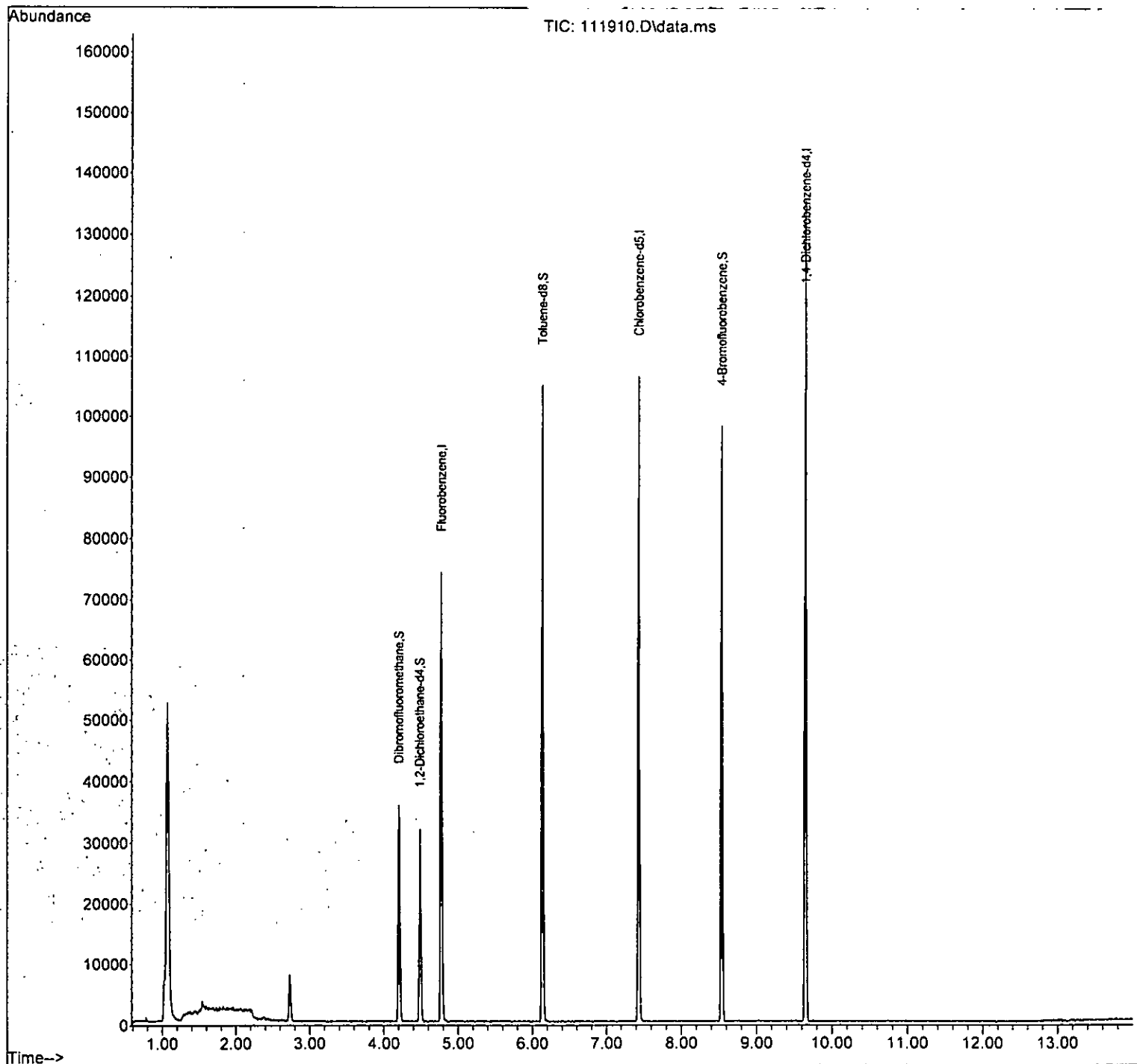
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS4\11-19-22\
Data File : 111910.D
Acq On : 19 Nov 2022 11:56 pm
Operator : JCM
Sample : 211285-01
Misc : soil
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS4

Quant Time: Nov 22 10:35:00 2022
Quant Method : Y:\Methods\Inst4\VB110822ms4.M
Quant Title : 8260 Purge & Trap Volatiles
Qlast Update : Tue Nov 08 16:47:05 2022
Response via : Initial Calibration
DataAcq Meth:8260VM1.M



Data Path : Y:\Proc_GCMS4\11-19-22\
 Data File : 111910.D
 Acq On : 19 Nov 2022 11:56 pm
 Operator : JCM
 Sample : 211285-01
 Misc : soil
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 22 10:35:00 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	4.78	96	58528	10.000	ppb	0.00
39) Chlorobenzene-d5	7.43	117	53425	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.65	152	36248	10.000	ppb	0.00

System Monitoring Compounds						
3) Dibromofluoromethane	4.21	113	16889	10.497	ppb	0.00
Spiked Amount	10.000	Range	0 - 1000	Recovery	=	105.00%
30) 1,2-Dichloroethane-d4	4.49	102	3424	9.214	ppb	0.00
Spiked Amount	10.000	Range	90 - 109	Recovery	=	92.10%
35) Toluene-d8	6.14	98	60992	10.403	ppb	0.00
Spiked Amount	10.000	Range	89 - 112	Recovery	=	104.00%
57) 4-Bromofluorobenzene	8.54	95	25057	9.857	ppb	0.00
Spiked Amount	10.000	Range	84 - 115	Recovery	=	98.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Ethanol	1.07	45	1650	No Calib		
4) Dichlorodifluoromethane	0.00		0	N.D.		
5) Chloromethane	0.00		0	N.D.		
6) Vinyl chloride	0.00		0	N.D.		
7) Bromomethane	0.00		0	N.D.		
8) Chloroethane	0.00		0	N.D.		
9) Trichlorofluoromethane	0.00		0	N.D.		
10) 2-Propanol	0.00		0	N.D.		
11) Acetone	0.00		0	N.D.		
12) 1,1-Dichloroethene	0.00		0	N.D.		
13) Hexane	0.00		0	N.D.		
14) Methylene chloride	2.73	84	3417	N.D.		
15) t-Butyl alcohol (TBA)	0.00		0	N.D.		
16) Methyl t-butyl ether (...)	0.00		0	N.D.		
17) trans-1,2-Dichloroethene	0.00		0	N.D.		
18) Diisopropyl ether (DIPE)	0.00		0	N.D.		
19) 1,1-Dichloroethane	0.00		0	N.D.		
20) Ethyl t-butyl ether (E...)	0.00		0	N.D.		
21) 2,2-Dichloropropane	0.00		0	N.D.		
22) cis-1,2-Dichloroethene	0.00		0	N.D.		
23) Chloroform	0.00		0	N.D.		
24) 2-Butanone (MEK)	0.00		0	N.D.		
25) t-Amyl methyl ether (T...)	0.00		0	N.D.		
26) 1,2-Dichloroethane (EDC)	0.00		0	N.D.		
27) 1,1,1-Trichloroethane	0.00		0	N.D.		
28) 1,1-Dichloropropene	0.00		0	N.D.		
29) Carbon tetrachloride	0.00		0	N.D.		
31) Benzene	0.00		0	N.D.		
32) Trichloroethene	0.00		0	N.D.		
33) 1,2-Dichloropropane	0.00		0	N.D.		
34) Bromodichloromethane	0.00		0	N.D.		
36) Dibromomethane	0.00		0	N.D.		

Data Path : Y:\Proc_GCMS4\11-19-22\
 Data File : 111910.D
 Acq On : 19 Nov 2022 11:56 pm
 Operator : JCM
 Sample : 211285-01
 Misc : soil
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS4

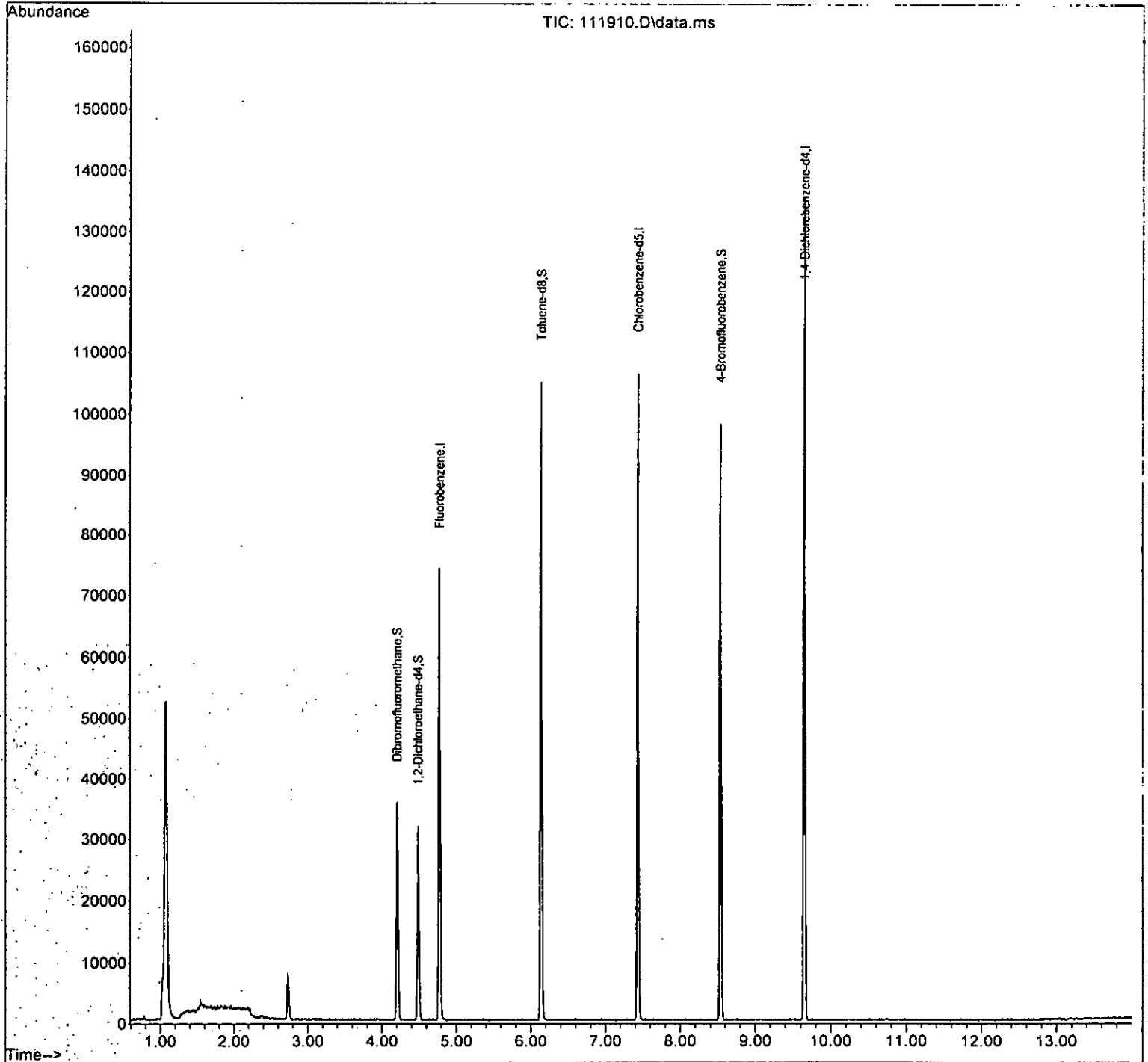
Quant Time: Nov 22 10:35:00 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.00		0		N.D.	
38) cis-1,3-Dichloropropene	0.00		0		N.D.	
40) Toluene	0.00		0		N.D.	
41) trans-1,3-Dichloropropene	0.00		0		N.D.	
42) 1,1,2-Trichloroethane	0.00		0		N.D.	
43) 2-Hexanone	0.00		0		N.D.	
44) 1,3-Dichloropropane	0.00		0		N.D.	
45) Tetrachloroethene	0.00		0		N.D.	
46) Dibromochloromethane	0.00		0		N.D.	
47) 1,2-Dibromoethane (EDB)	0.00		0		N.D.	
48) Chlorobenzene	0.00		0		N.D.	
49) Ethylbenzene	0.00		0		N.D.	
50) 1,1,1,2-Tetrachloroethane	0.00		0		N.D.	
51) m,p-Xylene	0.00		0		N.D.	
52) o-Xylene	0.00		0		N.D.	
53) Styrene	0.00		0		N.D.	
54) Isopropylbenzene	0.00		0		N.D.	
55) Bromoform	0.00		0		N.D.	
58) n-Propylbenzene	0.00		0		N.D.	
59) Bromobenzene	0.00		0		N.D.	
60) 1,3,5-Trimethylbenzene	0.00		0		N.D.	
61) 1,1,2,2-Tetrachloroethane	0.00		0		N.D.	
62) 1,2,3-Trichloropropane	0.00		0		N.D.	d
63) 2-Chlorotoluene	0.00		0		N.D.	
64) 4-Chlorotoluene	0.00		0		N.D.	
65) tert-Butylbenzene	0.00		0		N.D.	
66) 1,2,4-Trimethylbenzene	0.00		0		N.D.	
67) sec-Butylbenzene	0.00		0		N.D.	
68) p-Isopropyltoluene	0.00		0		N.D.	
69) 1,3-Dichlorobenzene	0.00		0		N.D.	
70) 1,4-Dichlorobenzene	0.00		0		N.D.	
71) 1,2-Dichlorobenzene	0.00		0		N.D.	
72) 1,2-Dibromo-3-chloropr...	0.00		0		N.D.	
73) 1,2,4-Trichlorobenzene	0.00		0		N.D.	
74) Hexachlorobutadiene	0.00		0		N.D.	
75) Naphthalene	0.00		0		N.D.	
76) 1,2,3-Trichlorobenzene	0.00		0		N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS4\11-19-22\
 Data File : 111910.D
 Acq On : 19 Nov 2022 11:56 pm
 Operator : JCM
 Sample : 211285-01
 Misc : soil
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 22 10:35:00 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



Data Path : Y:\Proc_GCMS4\11-19-22\
 Data File : 111912.D
 Acq On : 20 Nov 2022 12:45 am
 Operator : JCM
 Sample : 211285-01 ms
 Misc : soil
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 22 10:35:06 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	4.77	96	60664	10.000	ppb	0.00
39) Chlorobenzene-d5	7.43	117	59266	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.65	152	38574	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.21	113	17055	10.227	ppb	0.00
Spiked Amount	10.000	Range	0 - 1000	Recovery	=	102.30%
30) 1,2-Dichloroethane-d4	4.49	102	3760	9.762	ppb	0.00
Spiked Amount	10.000	Range	90 - 109	Recovery	=	97.60%
35) Toluene-d8	6.14	98	66025	10.865	ppb	0.00
Spiked Amount	10.000	Range	89 - 112	Recovery	=	108.60%
57) 4-Bromofluorobenzene	8.54	95	27678	10.231	ppb	0.00
Spiked Amount	10.000	Range	84 - 115	Recovery	=	102.30%
Target Compounds						
						Qvalue
2) Ethanol	1.07	45	1177	No Calib		
4) Dichlorodifluoromethane	1.17	85	1128	N.D.		
5) Chloromethane	1.31	50	7003	3.040	ppb	90
6) Vinyl chloride	1.40	62	5765	2.638	ppb	93
7) Bromomethane	1.63	94	7546	7.425	ppb	90
8) Chloroethane	1.70	64	5132	4.477	ppb	98
9) Trichlorofluoromethane	1.89	101	8823	2.589	ppb	91
10) 2-Propanol	2.98	45	1702	No Calib		
11) Acetone	2.38	58	7619	46.223	ppb	90
12) 1,1-Dichloroethene	2.32	96	7499	3.708	ppb	90
13) Hexane	3.21	57	2783	1.316	ppb	97
14) Methylene chloride	2.73	84	15477	6.543	ppb	83
15) t-Butyl alcohol (TBA)	2.86	59	11956	38.467	ppb	90
16) Methyl t-butyl ether (...)	2.98	73	39165	6.646	ppb	98
17) trans-1,2-Dichloroethene	2.97	96	10751	5.022	ppb	# 81
18) Diisopropyl ether (DIPE)	3.40	45	33487	6.212	ppb	93
19) 1,1-Dichloroethane	3.32	63	18390	5.658	ppb	99
20) Ethyl t-butyl ether (E...)	3.70	87	16456	6.383	ppb	# 77
21) 2,2-Dichloropropane	3.81	77	13285	6.267	ppb	92
22) cis-1,2-Dichloroethene	3.81	96	14150	6.106	ppb	# 78
23) Chloroform	4.08	83	22497	6.383	ppb	95
24) 2-Butanone (MEK)	3.83	43	35996	31.884	ppb	94
25) t-Amyl methyl ether (T...)	4.65	73	38034	6.506	ppb	100
26) 1,2-Dichloroethane (EDC)	4.55	62	17729	6.670	ppb	100
27) 1,1,1-Trichloroethane	4.23	97	17733	5.491	ppb	95
28) 1,1-Dichloropropene	4.37	75	14437	5.311	ppb	91
29) Carbon tetrachloride	4.37	117	15426	5.306	ppb	90
31) Benzene	4.54	78	48459	6.213	ppb	95
32) Trichloroethene	5.09	95	13708	6.060	ppb	# 77
33) 1,2-Dichloropropane	5.27	63	11879	6.885	ppb	97
34) Bromodichloromethane	5.51	83	16696	6.376	ppb	94
36) Dibromomethane	5.37	93	9264	7.079	ppb	90

Data Path : Y:\Proc_GCMS4\11-19-22\
 Data File : 111912.D
 Acq On : 20 Nov 2022 12:45 am
 Operator : JCM
 Sample : 211285-01 ms
 Misc : soil
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS4

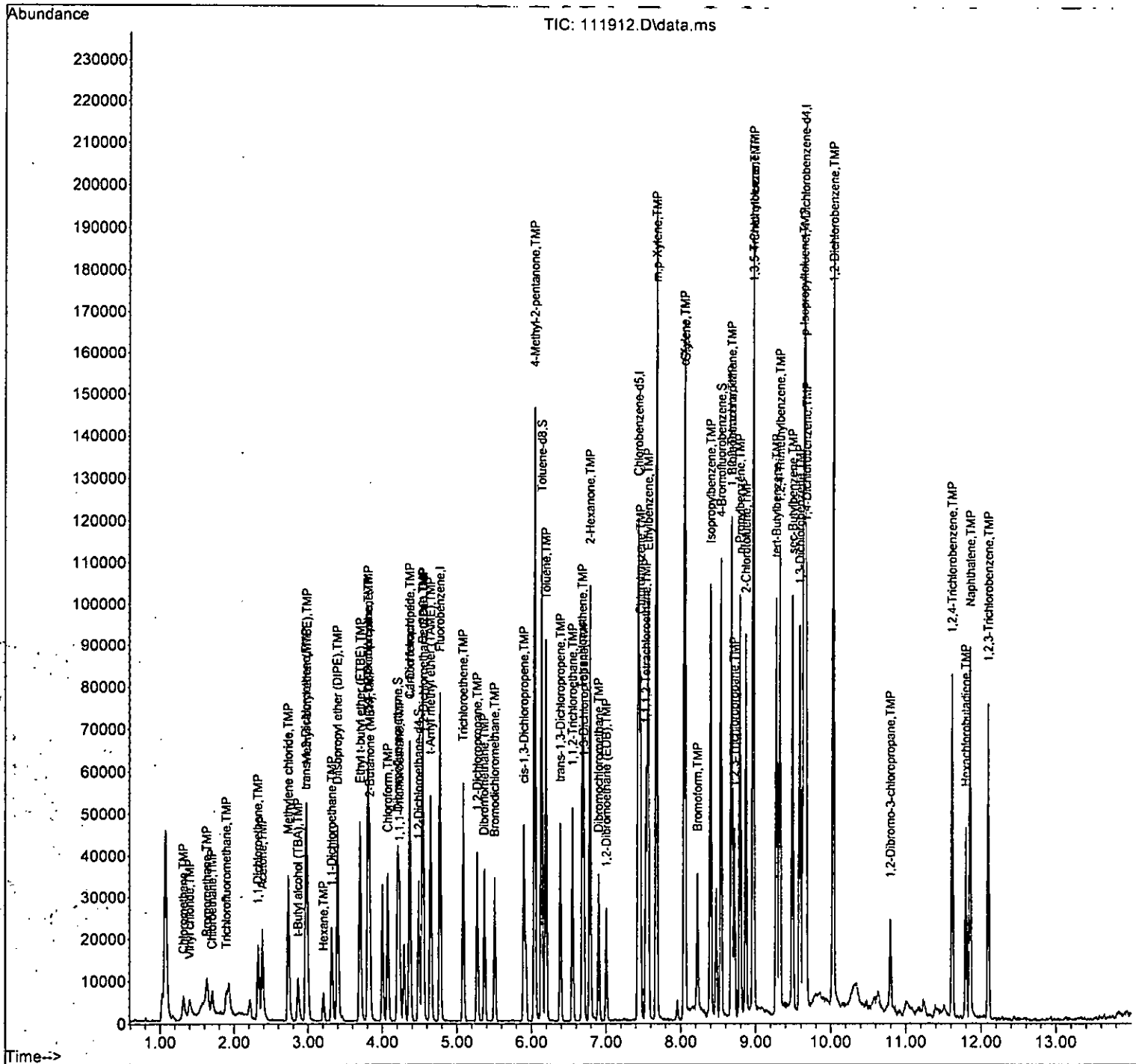
Quant Time: Nov 22 10:35:06 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	6.04	85	15718	33.696	ppb #	80
38) cis-1,3-Dichloropropene	5.90	75	20484	6.697	ppb	91
40) Toluene	6.19	92	31874	5.558	ppb	97
41) trans-1,3-Dichloropropene	6.39	75	19402	5.921	ppb	96
42) 1,1,2-Trichloroethane	6.55	83	10402	5.988	ppb	85
43) 2-Hexanone	6.79	43	53830	28.346	ppb	95
44) 1,3-Dichloropropane	6.70	76	19910	5.997	ppb	99
45) Tetrachloroethene	6.68	164	14073	5.511	ppb	96
46) Dibromochloromethane	6.90	129	15962	6.417	ppb	95
47) 1,2-Dibromoethane (EDB)	7.00	107	14378	6.092	ppb	93
48) Chlorobenzene	7.46	112	40967	6.021	ppb	89
49) Ethylbenzene	7.56	91	62849	5.747	ppb	93
50) 1,1,1,2-Tetrachloroethane	7.54	131	15087	5.982	ppb	96
51) m,p-Xylene	7.67	106	51905	11.741	ppb	85
52) o-Xylene	8.05	106	27142	6.179	ppb	85
53) Styrene	8.06	104	42627	5.717	ppb	89
54) Isopropylbenzene	8.40	105	62065	5.576	ppb	95
55) Bromoform	8.22	173	13720	6.801	ppb	99
58) n-Propylbenzene	8.79	91	71129	5.826	ppb	94
59) Bromobenzene	8.68	156	21577	6.108	ppb #	78
60) 1,3,5-Trimethylbenzene	8.97	105	52916	5.872	ppb	83
61) 1,1,2,2-Tetrachloroethane	8.67	83	18970	6.101	ppb	95
62) 1,2,3-Trichloropropane	8.71	75	14477	6.148	ppb	97
63) 2-Chlorotoluene	8.87	91	43734	6.000	ppb	85
64) 4-Chlorotoluene	8.97	91	51016	5.870	ppb	86
65) tert-Butylbenzene	9.27	119	46831	5.887	ppb	87
66) 1,2,4-Trimethylbenzene	9.32	105	54925	5.852	ppb	95
67) sec-Butylbenzene	9.49	105	62367	5.839	ppb	92
68) p-Isopropyltoluene	9.64	119	56204	5.769	ppb	93
69) 1,3-Dichlorobenzene	9.59	146	37900	6.050	ppb	95
70) 1,4-Dichlorobenzene	9.67	146	38059	5.889	ppb	95
71) 1,2-Dichlorobenzene	10.03	146	37293	6.062	ppb	93
72) 1,2-Dibromo-3-chloropr...	10.80	75	3673	5.698	ppb #	51
73) 1,2,4-Trichlorobenzene	11.62	180	25765	5.565	ppb	95
74) Hexachlorobutadiene	11.80	225	9919	5.558	ppb	93
75) Naphthalene	11.86	128	65794	5.769	ppb	98
76) 1,2,3-Trichlorobenzene	12.10	180	24136	5.508	ppb	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS4\11-19-22\
 Data File : 111912.D
 Acq On : 20 Nov 2022 12:45 am
 Operator : JCM
 Sample : 211285-01 ms
 Misc : soil
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 22 10:35:06 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



Data Path : Y:\Proc_GCMS4\11-19-22\
 Data File : 111913.D
 Acq On : 20 Nov 2022 1:09 am
 Operator : JCM
 Sample : 211285-01 msd
 Misc : soil
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 22 10:35:10 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	4.77	96	63653	10.000	ppb	0.00	
39) Chlorobenzene-d5	7.43	117	60650	10.000	ppb	0.00	
56) 1,4-Dichlorobenzene-d4	9.65	152	41050	10.000	ppb	0.00	
System Monitoring Compounds							
3) Dibromofluoromethane	4.21	113	18363	10.494	ppb	0.00	
Spiked Amount	10.000	Range	0 - 1000	Recovery	=	104.90%	
30) 1,2-Dichloroethane-d4	4.49	102	3948	9.769	ppb	0.00	
Spiked Amount	10.000	Range	90 - 109	Recovery	=	97.70%	
35) Toluene-d8	6.14	98	68187	10.694	ppb	0.00	
Spiked Amount	10.000	Range	89 - 112	Recovery	=	106.90%	
57) 4-Bromofluorobenzene	8.54	95	28127	9.770	ppb	0.00	
Spiked Amount	10.000	Range	84 - 115	Recovery	=	97.70%	
Target Compounds							
2) Ethanol	1.07	45	1536	- No Calib			Qvalue
4) Dichlorodifluoromethane	1.18	85	1082	N.D.			
5) Chloromethane	1.32	50	7090	2.933	ppb		97
6) Vinyl chloride	1.40	62	6098	2.659	ppb		97
7) Bromomethane	1.64	94	9169	8.599	ppb		98
8) Chloroethane	1.71	64	5278	4.389	ppb		98
9) Trichlorofluoromethane	1.90	101	9713	2.717	ppb		99
10) 2-Propanol	2.99	45	1774	No Calib			
11) Acetone	2.38	58	7697	44.316	ppb	#	84
12) 1,1-Dichloroethene	2.32	96	8376	3.947	ppb		82
13) Hexane	3.21	57	3189	1.438	ppb		84
14) Methylene chloride	2.73	84	15979	6.412	ppb		86
15) t-Butyl alcohol (TBA)	2.87	59	12265	37.608	ppb		93
16) Methyl t-butyl ether (...)	2.98	73	41151	6.655	ppb		96
17) trans-1,2-Dichloroethene	2.97	96	11267	5.016	ppb	#	82
18) Diisopropyl ether (DIPE)	3.40	45	34427	6.087	ppb		95
19) 1,1-Dichloroethane	3.32	63	19651	5.762	ppb		96
20) Ethyl t-butyl ether (E...)	3.70	87	17199	6.358	ppb	#	81
21) 2,2-Dichloropropane	3.81	77	13701	6.156	ppb		97
22) cis-1,2-Dichloroethene	3.80	96	14747	6.065	ppb		83
23) Chloroform	4.08	83	23346	6.312	ppb		100
24) 2-Butanone (MEK)	3.83	43	37083	31.305	ppb		95
25) t-Amyl methyl ether (T...)	4.65	73	39574	6.452	ppb		98
26) 1,2-Dichloroethane (EDC)	4.55	62	18406	6.599	ppb		96
27) 1,1,1-Trichloroethane	4.23	97	18450	5.444	ppb		93
28) 1,1-Dichloropropene	4.37	75	15599	5.469	ppb		89
29) Carbon tetrachloride	4.37	117	16031	5.255	ppb		96
31) Benzene	4.54	78	49339	6.029	ppb		92
32) Trichloroethene	5.09	95	14176	5.973	ppb	#	75
33) 1,2-Dichloropropane	5.27	63	12081	6.673	ppb		98
34) Bromodichloromethane	5.51	83	17197	6.259	ppb		93
36) Dibromomethane	5.37	93	9242	6.730	ppb	#	78

Data Path : Y:\Proc_GCMS4\11-19-22\
 Data File : 111913.D
 Acq On : 20 Nov 2022 1:09 am
 Operator : JCM
 Sample : 211285-01 msd
 Misc : soil
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS4

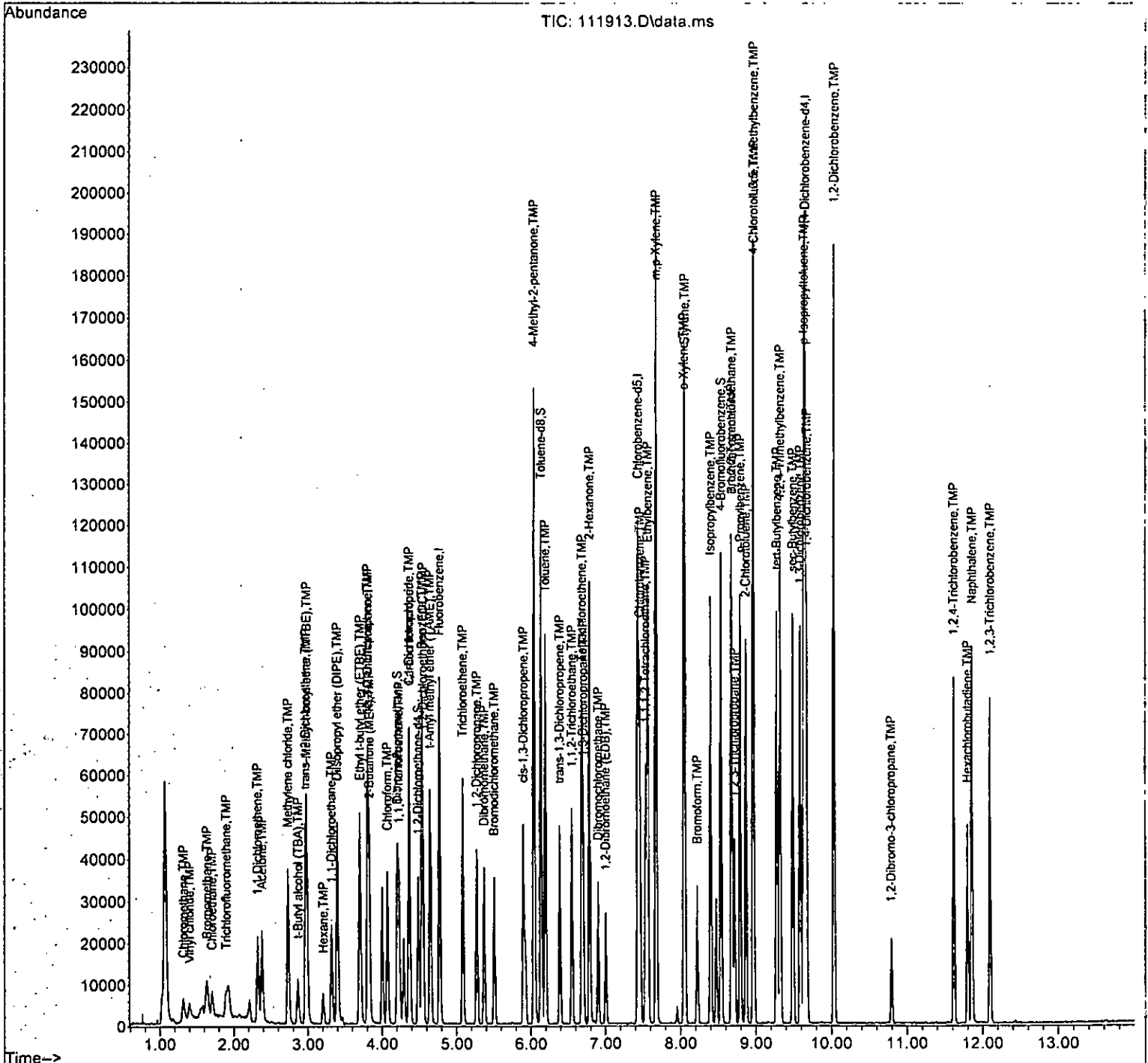
Quant Time: Nov 22 10:35:10 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
37) 4-Methyl-2-pentanone	6.04	85	16112	32.919	ppb	#	83
38) cis-1,3-Dichloropropene	5.90	75	20796	6.480	ppb		89
40) Toluene	6.19	92	32282	5.500	ppb		99
41) trans-1,3-Dichloropropene	6.39	75	18808	5.609	ppb		95
42) 1,1,2-Trichloroethane	6.55	83	10936	6.152	ppb		94
43) 2-Hexanone	6.79	43	53851	27.710	ppb		97
44) 1,3-Dichloropropane	6.70	76	20160	5.934	ppb		97
45) Tetrachloroethene	6.69	164	14405	5.513	ppb		96
46) Dibromochloromethane	6.91	129	15828	6.220	ppb		98
47) 1,2-Dibromoethane (EDB)	7.00	107	14356	5.944	ppb		100
48) Chlorobenzene	7.46	112	41301	5.931	ppb		89
49) Ethylbenzene	7.56	91	64137	5.731	ppb		92
50) 1,1,1,2-Tetrachloroethane	7.54	131	14952	5.793	ppb		93
51) m,p-Xylene	7.67	106	51772	11.444	ppb		90
52) o-Xylene	8.05	106	26383	5.869	ppb		93
53) Styrene	8.06	104	42979	5.633	ppb		86
54) Isopropylbenzene	8.40	105	62404	5.479	ppb		93
55) Bromoform	8.22	173	13609	6.595	ppb		98
58) n-Propylbenzene	8.79	91	71468	5.500	ppb		91
59) Bromobenzene	8.68	156	21812	5.802	ppb	#	79
60) 1,3,5-Trimethylbenzene	8.97	105	53163	5.543	ppb		90
61) 1,1,2,2-Tetrachloroethane	8.68	83	19286	5.828	ppb		95
62) 1,2,3-Trichloropropane	8.71	75	15013	5.991	ppb		100
63) 2-Chlorotoluene	8.87	91	44369	5.720	ppb		88
64) 4-Chlorotoluene	8.97	91	51490	5.567	ppb		82
65) tert-Butylbenzene	9.28	119	47851	5.652	ppb		83
66) 1,2,4-Trimethylbenzene	9.32	105	56209	5.628	ppb		92
67) sec-Butylbenzene	9.49	105	63197	5.560	ppb		94
68) p-Isopropyltoluene	9.64	119	57526	5.549	ppb		93
69) 1,3-Dichlorobenzene	9.59	146	38904	5.835	ppb		96
70) 1,4-Dichlorobenzene	9.67	146	38338	5.575	ppb		96
71) 1,2-Dichlorobenzene	10.03	146	37802	5.774	ppb		92
72) 1,2-Dibromo-3-chloropr...	10.79	75	3956	5.767	ppb		75
73) 1,2,4-Trichlorobenzene	11.62	180	25896	5.256	ppb		95
74) Hexachlorobutadiene	11.80	225	10089	5.312	ppb		97
75) Naphthalene	11.86	128	67444	5.557	ppb		100
76) 1,2,3-Trichlorobenzene	12.10	180	24185	5.186	ppb		94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS4\11-19-22\
 Data File : 111913.D
 Acq On : 20 Nov 2022 1:09 am
 Operator : JCM
 Sample : 211285-01 msd
 Misc : soil
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS4

Quant Time: Nov 22 10:35:10 2022
 Quant Method : Y:\Methods\Inst4\VB110822ms4.M
 Quant Title : 8260 Purge & Trap Volatiles
 QLast Update : Tue Nov 08 16:47:05 2022
 Response via : Initial Calibration
 DataAcq Meth:8260VM1.M



Data Path : D:\Proc_GCMS13\11-19-22\
 Data File : 111908.D
 Acq On : 19 Nov 2022 11:08 pm
 Operator : JCM
 Sample : 02-2765 mb 1/0.25
 Misc : soil
 ALS Vial : 3 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 11:55:08 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

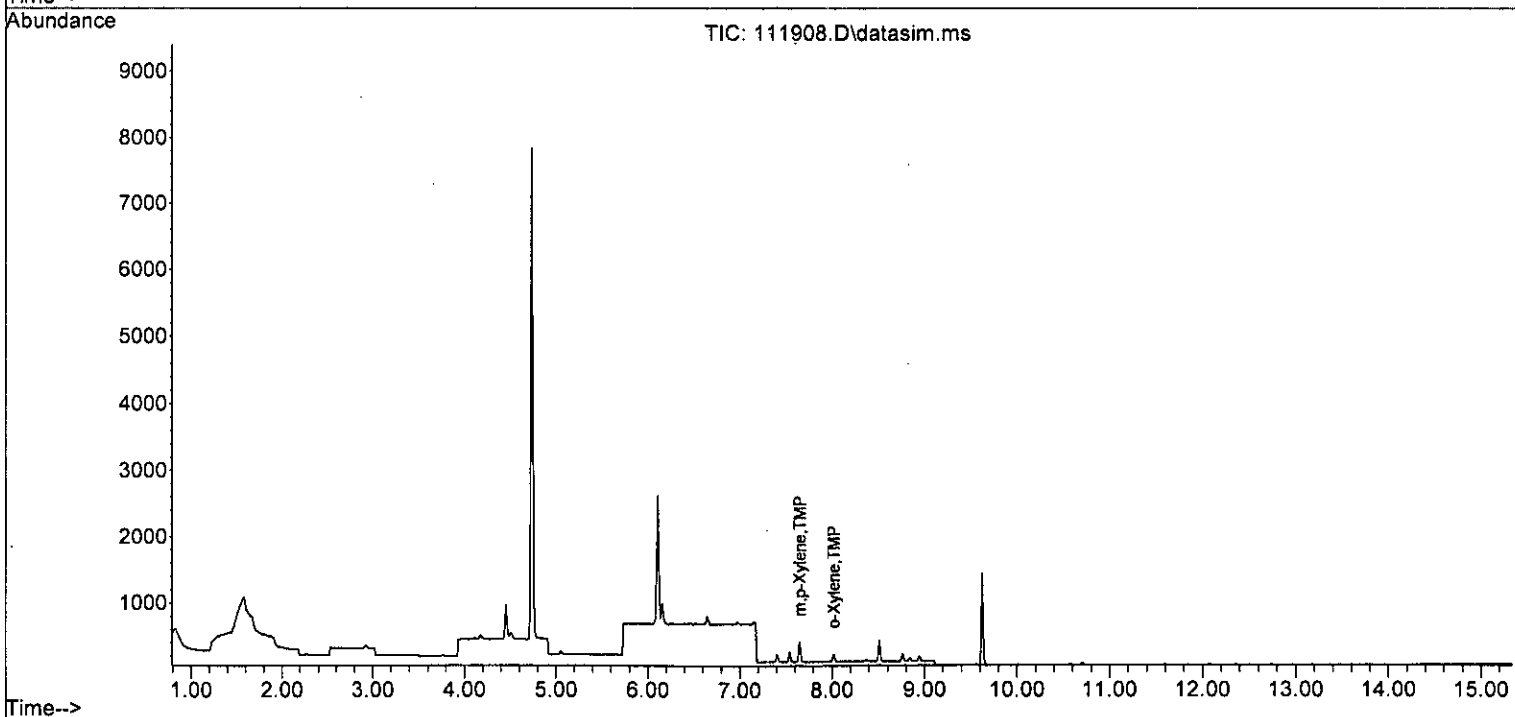
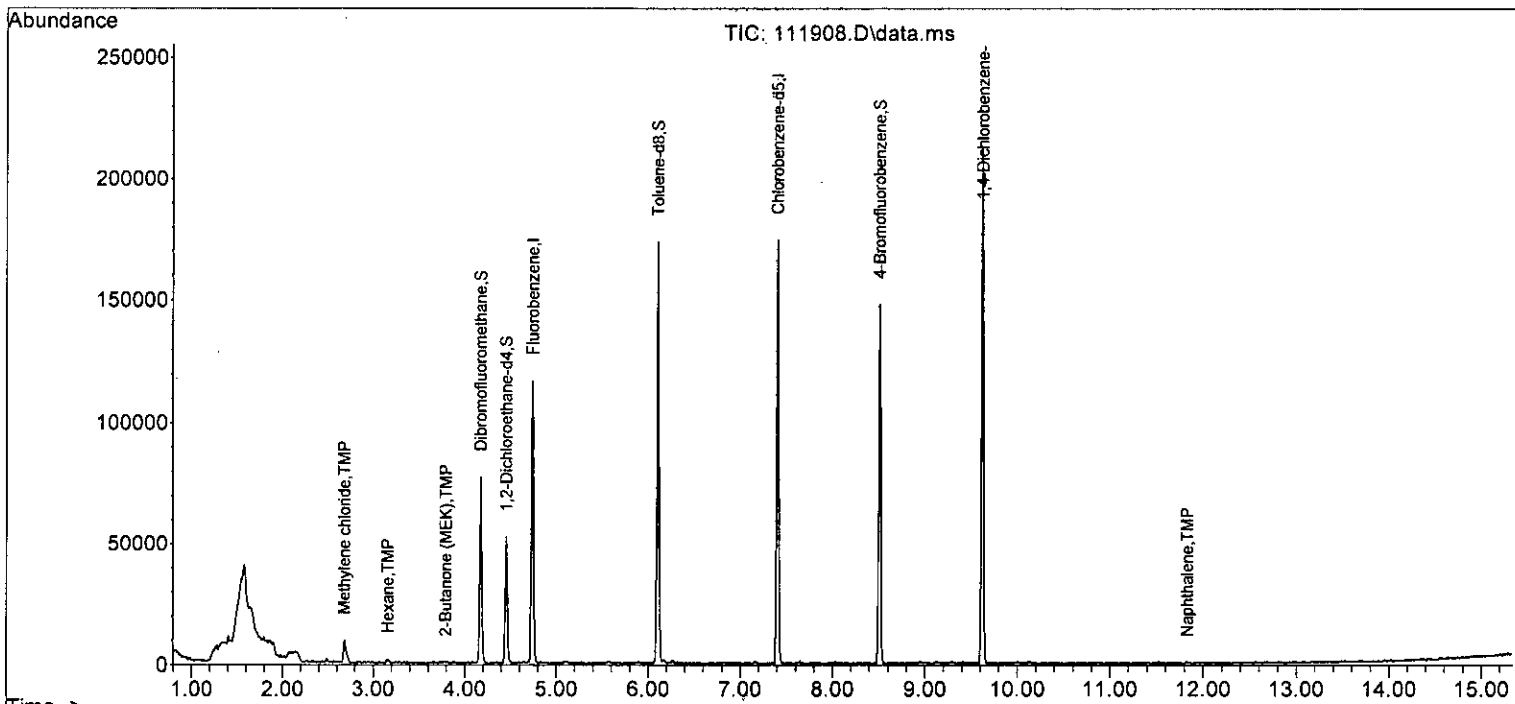
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

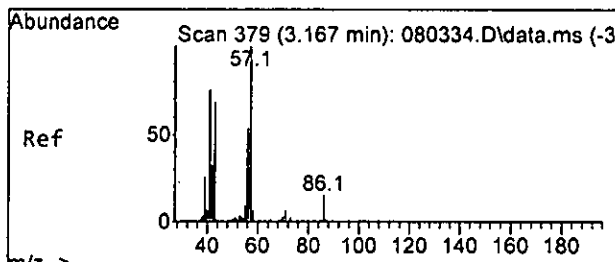
Internal Standards						
1) Fluorobenzene	4.75	96	98900	10.000	ppb	0.00
39) Chlorobenzene-d5	7.40	117	93855	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	57108	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.17	113	33129	10.445	ppb	0.00
Spiked Amount	10.000	Range 50 - 150	Recovery	= 104.50%		
30) 1,2-Dichloroethane-d4	4.45	102	6202	10.090	ppb	0.00
Spiked Amount	10.000	Range 84 - 120	Recovery	= 100.90%		
35) Toluene-d8	6.11	98	96093	10.188	ppb	0.00
Spiked Amount	10.000	Range 73 - 128	Recovery	= 101.90%		
57) 4-Bromofluorobenzene	8.51	95	37075	9.422	ppb	0.00
Spiked Amount	10.000	Range 57 - 146	Recovery	= 94.20%		
Target Compounds						
11) Acetone	2.33	58	82	Below Cal	#	1
13) Hexane	3.16	57	373	0.117	ppb #	29
14) Methylene chloride	2.68	84	5043	0.697	ppb	96
24) 2-Butanone (MEK)	3.79	43	554	0.190	ppb	94
26] 1,2-Dichloroethane (EDC)	4.52	62	93	Below Cal		99
45] Tetrachloroethene	6.65	164	43	Below Cal		83
51] m,p-Xylene	7.65	106	152	0.026	ppb	81
52] o-Xylene	8.02	106	57	0.010	ppb #	76
75) Naphthalene	11.83	128	318	0.108	ppb	69

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS13\11-19-22\
 Data File : 111908.D
 Acq On : 19 Nov 2022 11:08 pm
 Operator : JCM
 Sample : 02-2765 mb 1/0.25
 Misc : soil
 ALS Vial : 3 Sample Multiplier: 1
 InstName : GCMS13

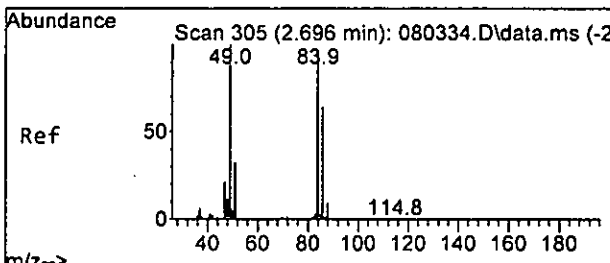
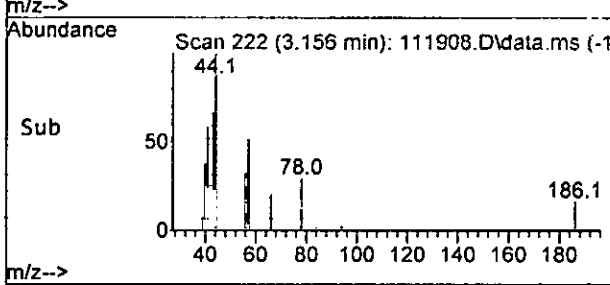
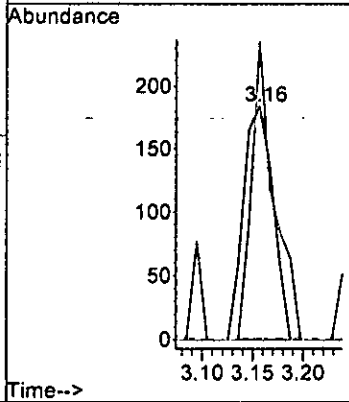
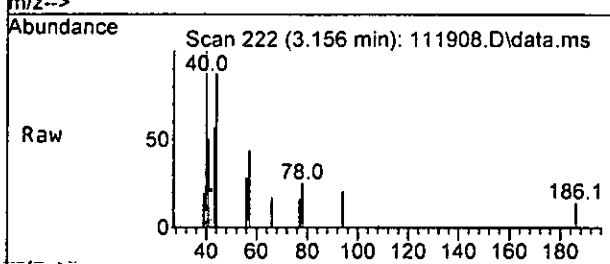
Quant Time: Nov 21 11:55:08 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M





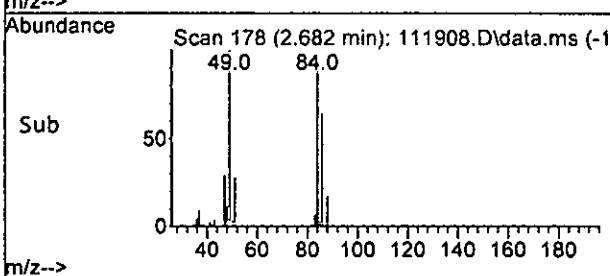
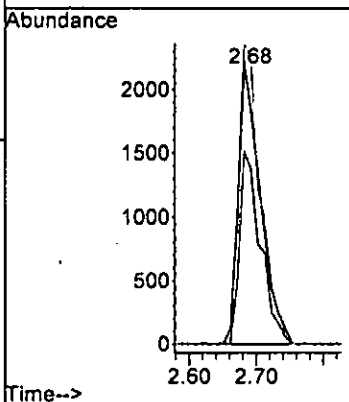
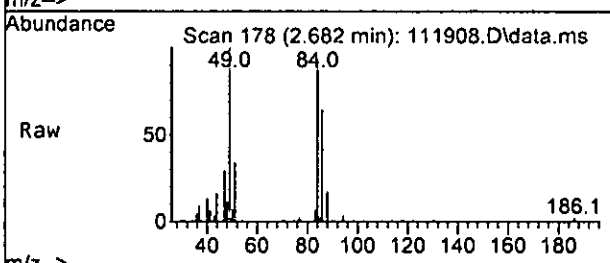
#13
Hexane
Concen: 0.117 ppb
RT: 3.16 min Scan# 222
Delta R.T. -0.001 min
Lab File: 111908.D
Acq: 19 Nov 2022 11:08 pm

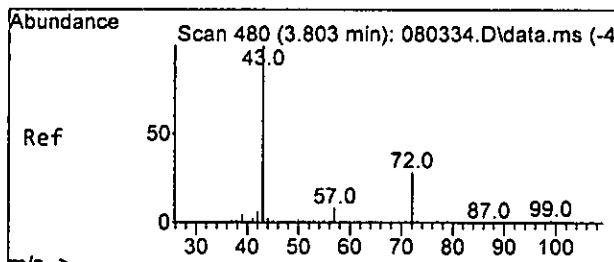
Tgt Ion:	Resp:	Lower	Upper
57	100		
43	128.3	35.4	95.4#
86	0.0	0.0	44.8



#14
Methylene chloride
Concen: 0.697 ppb
RT: 2.68 min Scan# 178
Delta R.T. -0.000 min
Lab File: 111908.D
Acq: 19 Nov 2022 11:08 pm

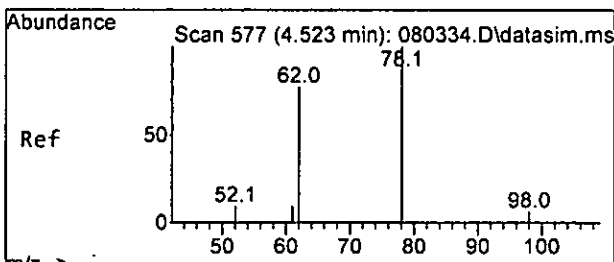
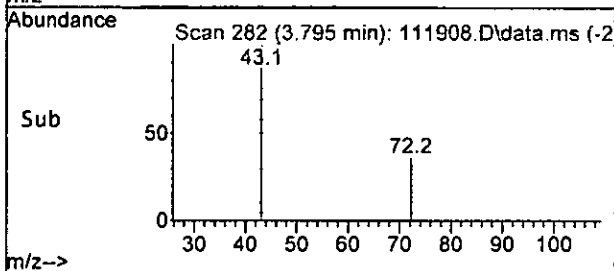
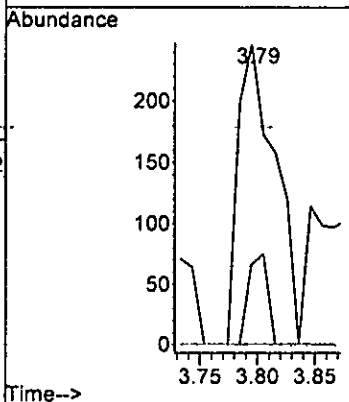
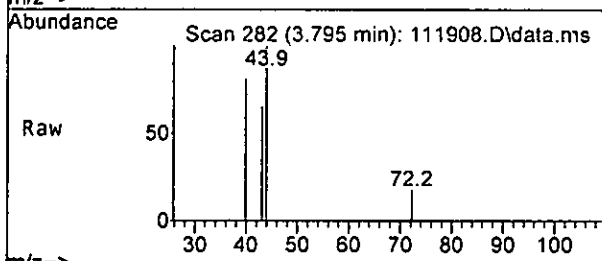
Tgt Ion:	Resp:	Lower	Upper
84	100		
86	68.5	37.1	97.1
49	106.3	81.3	141.3





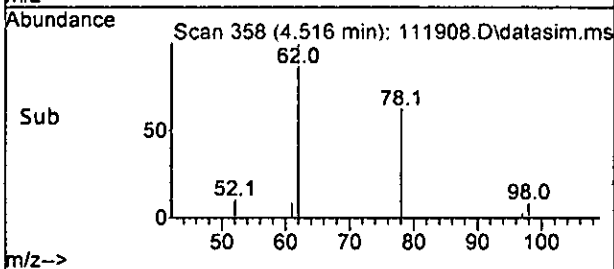
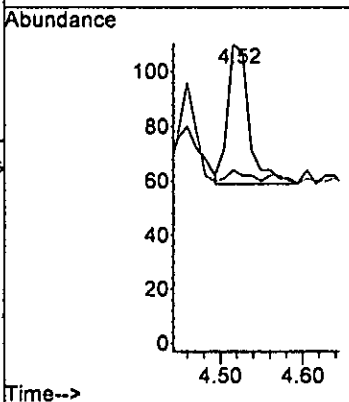
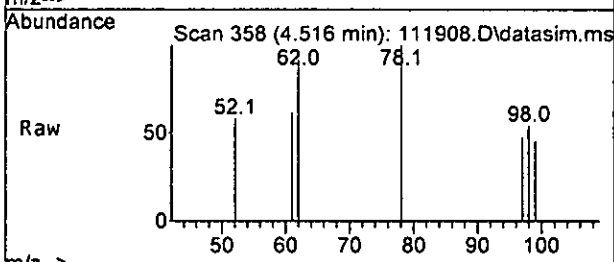
#24
 2-Butanone (MEK)
 Concen: 0.190 ppb
 RT: 3.79 min Scan# 282
 Delta R.T. -0.000 min
 Lab File: 111908.D
 Acq: 19 Nov 2022 11:08 pm

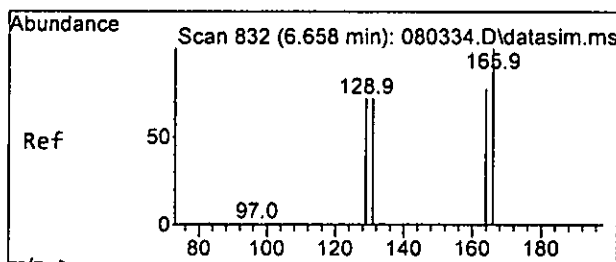
Tgt Ion	Resp	Lower	Upper
43	100		
72	26.7	0.0	57.0
57	0.0	0.0	28.0



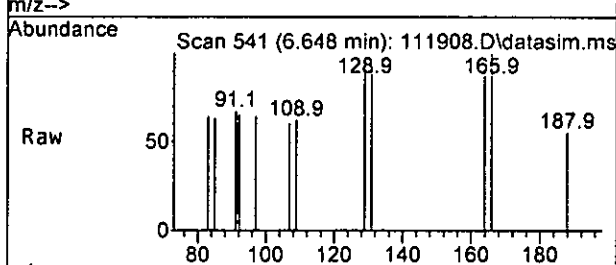
#26
 1,2-Dichloroethane (EDC)
 Concen: Below Cal
 RT: 4.52 min Scan# 358
 Delta R.T. -0.011 min
 Lab File: 111908.D
 Acq: 19 Nov 2022 11:08 pm

Tgt Ion	Resp	Lower	Upper
62	100		
98	9.8	0.0	40.1

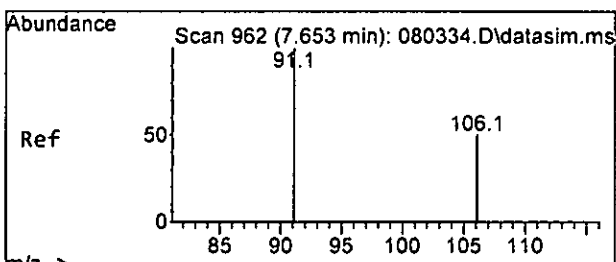
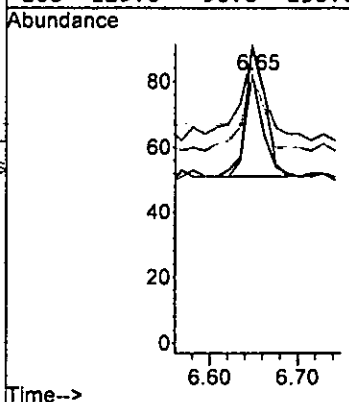
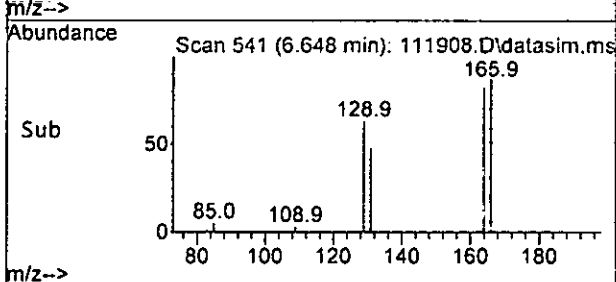




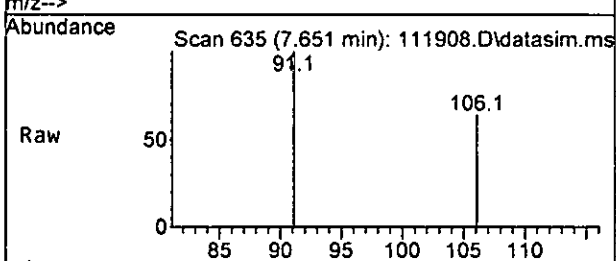
#45
 Tetrachloroethene
 Concen: Below Cal
 RT: 6.65 min Scan# 541
 Delta R.T. -0.000 min
 Lab File: 111908.D
 Acq: 19 Nov 2022 11:08 pm



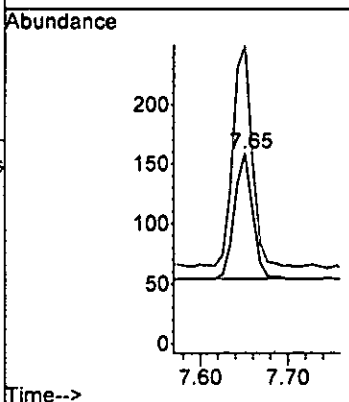
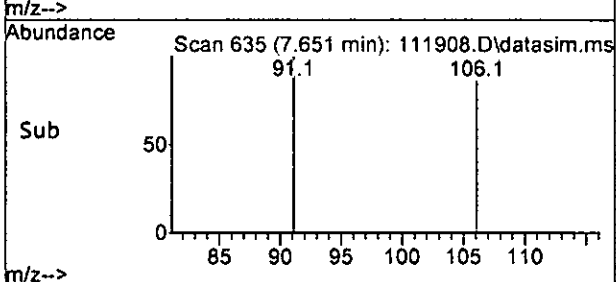
Tgt Ion: 164 Resp: 43
 Ion Ratio Lower Upper
 164 100
 129 80.6 72.1 132.1
 131 71.0 64.8 124.8
 166 129.0 90.0 150.0

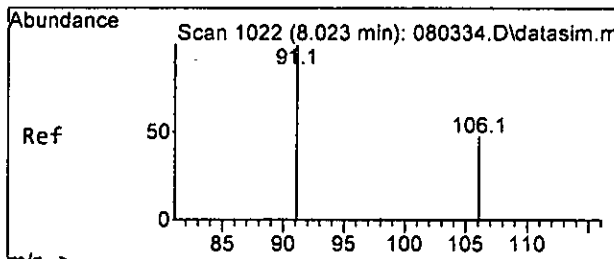


#51
 m,p-Xylene
 Concen: 0.026 ppb
 RT: 7.65 min Scan# 635
 Delta R.T. -0.000 min
 Lab File: 111908.D
 Acq: 19 Nov 2022 11:08 pm



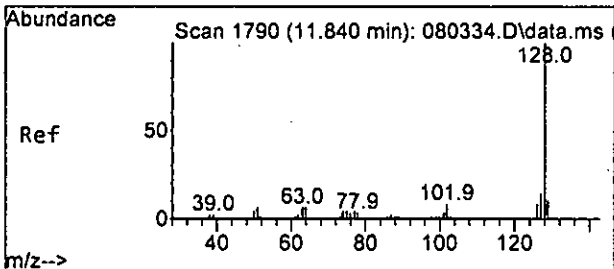
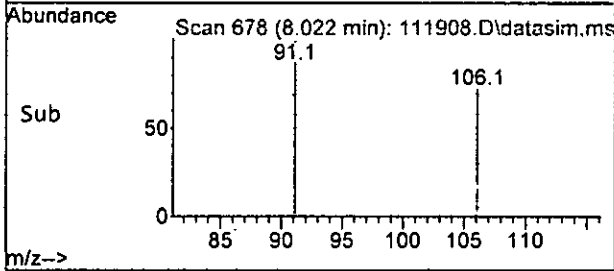
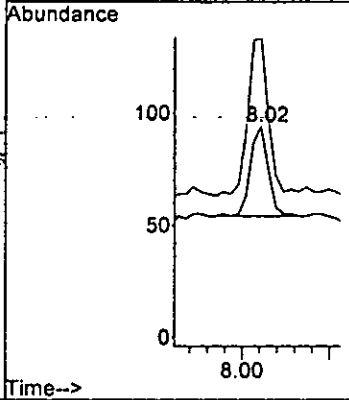
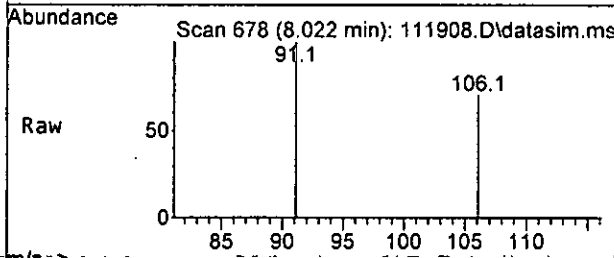
Tgt Ion: 106 Resp: 152
 Ion Ratio Lower Upper
 106 100
 91 177.1 175.7 235.7





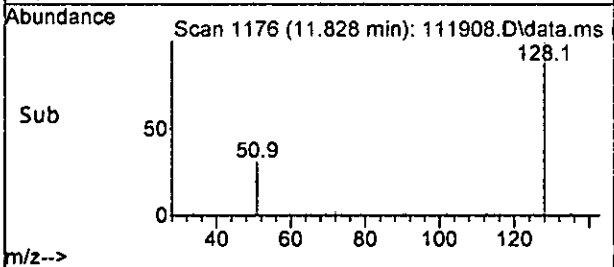
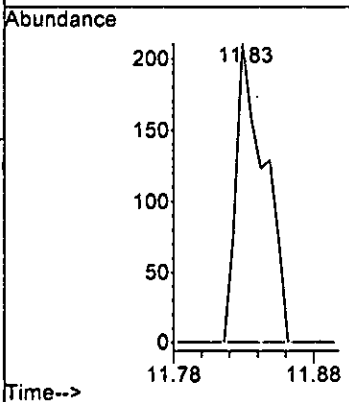
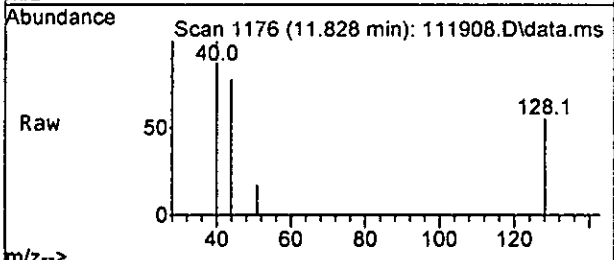
#52
 o-Xylene
 Concen: 0.010 ppb
 RT: 8.02 min Scan# 678
 Delta R.T. -0.000 min
 Lab File: 111908.D
 Acq: 19 Nov 2022 11:08 pm

Tgt Ion: 106 Resp: 57
 Ion Ratio Lower Upper
 106 100
 91 177.5 186.4 246.4#



#75
 Naphthalene
 Concen: 0.108 ppb
 RT: 11.83 min Scan# 1176
 Delta R.T. -0.007 min
 Lab File: 111908.D
 Acq: 19 Nov 2022 11:08 pm

Tgt Ion: 128 Resp: 318
 Ion Ratio Lower Upper
 128 100
 129 0.0 0.0 40.8
 127 0.0 0.0 43.1



Data Path : D:\Proc_GCMS13\11-19-22\
 Data File : 111908.D
 Acq On : 19 Nov 2022 11:08 pm
 Operator : JCM
 Sample : 02-2765 mb 1/0.25
 Misc : soil
 ALS Vial : 3 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 11:55:08 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	4.75	96	98900	10.000	ppb	0.00	
39) Chlorobenzene-d5	7.40	117	93855	10.000	ppb	0.00	
56) 1,4-Dichlorobenzene-d4	9.62	152	57108	10.000	ppb	0.00	
System Monitoring Compounds							
3) Dibromofluoromethane	4.17	113	33129	10.445	ppb	0.00	
Spiked Amount	10.000	Range 50 - 150	Recovery	= 104.50%			
30) 1,2-Dichloroethane-d4	4.45	102	6202	10.090	ppb	0.00	
Spiked Amount	10.000	Range 84 - 120	Recovery	= 100.90%			
35) Toluene-d8	6.11	98	96093	10.188	ppb	0.00	
Spiked Amount	10.000	Range 73 - 128	Recovery	= 101.90%			
57) 4-Bromofluorobenzene	8.51	95	37075	9.422	ppb	0.00	
Spiked Amount	10.000	Range 57 - 146	Recovery	= 94.20%			
Target Compounds							
							Qvalue
2) Ethanol	2.33	45	36	No Calib			
4) Dichlorodifluoromethane	0.00		0	N.D.			
5) Chloromethane	1.24	50	351	N.D.			
6) Vinyl chloride	0.00		0	N.D. d			
7) Bromomethane	0.00		0	N.D. d			
8) Chloroethane	0.00		0	N.D.			
9) Trichlorofluoromethane	1.83	101	107	N.D.			
10) 2-Propanol	2.33	45	36	No Calib #			
11) Acetone	2.33	58	82	Below Cal #			1
12) 1,1-Dichloroethene	0.00		0	N.D. d			
13) Hexane	3.16	57	373	0.117	ppb #		29
14) Methylene chloride	2.68	84	5043	0.697	ppb		96
15) t-Butyl alcohol (TBA)	0.00		0	N.D.			
16) Methyl t-butyl ether (...)	0.00		0	N.D.			
17) trans-1,2-Dichloroethene	0.00		0	N.D.			
18) Diisopropyl ether (DIPE)	0.00		0	N.D.			
19) 1,1-Dichloroethane	0.00		0	N.D.			
20) Ethyl t-butyl ether (E...)	0.00		0	N.D.			
21) 2,2-Dichloropropane	3.77	77	321	N.D.			
22) cis-1,2-Dichloroethene	0.00		0	N.D.			
23) Chloroform	0.00		0	N.D.			
24) 2-Butanone (MEK)	3.79	43	554	0.190	ppb		94
25) t-Amyl methyl ether (T...)	0.00		0	N.D.			
26] 1,2-Dichloroethane (EDC)	4.52	62	93	Below Cal			99
27) 1,1,1-Trichloroethane	0.00		0	N.D.			
28) 1,1-Dichloropropene	0.00		0	N.D.			
29) Carbon tetrachloride	0.00		0	N.D.			
31) Benzene	4.50	78	81	N.D.			
32) Trichloroethene	0.00		0	N.D. d			
33) 1,2-Dichloropropane	0.00		0	N.D.			
34) Bromodichloromethane	0.00		0	N.D.			
36) Dibromomethane	0.00		0	N.D.			

Data Path : D:\Proc_GCMS13\11-19-22\
 Data File : 111908.D
 Acq On : 19 Nov 2022 11:08 pm
 Operator : JCM
 Sample : 02-2765 mb 1/0.25
 Misc : soil
 ALS Vial : 3 Sample Multiplier: 1
 InstName : GCMS13

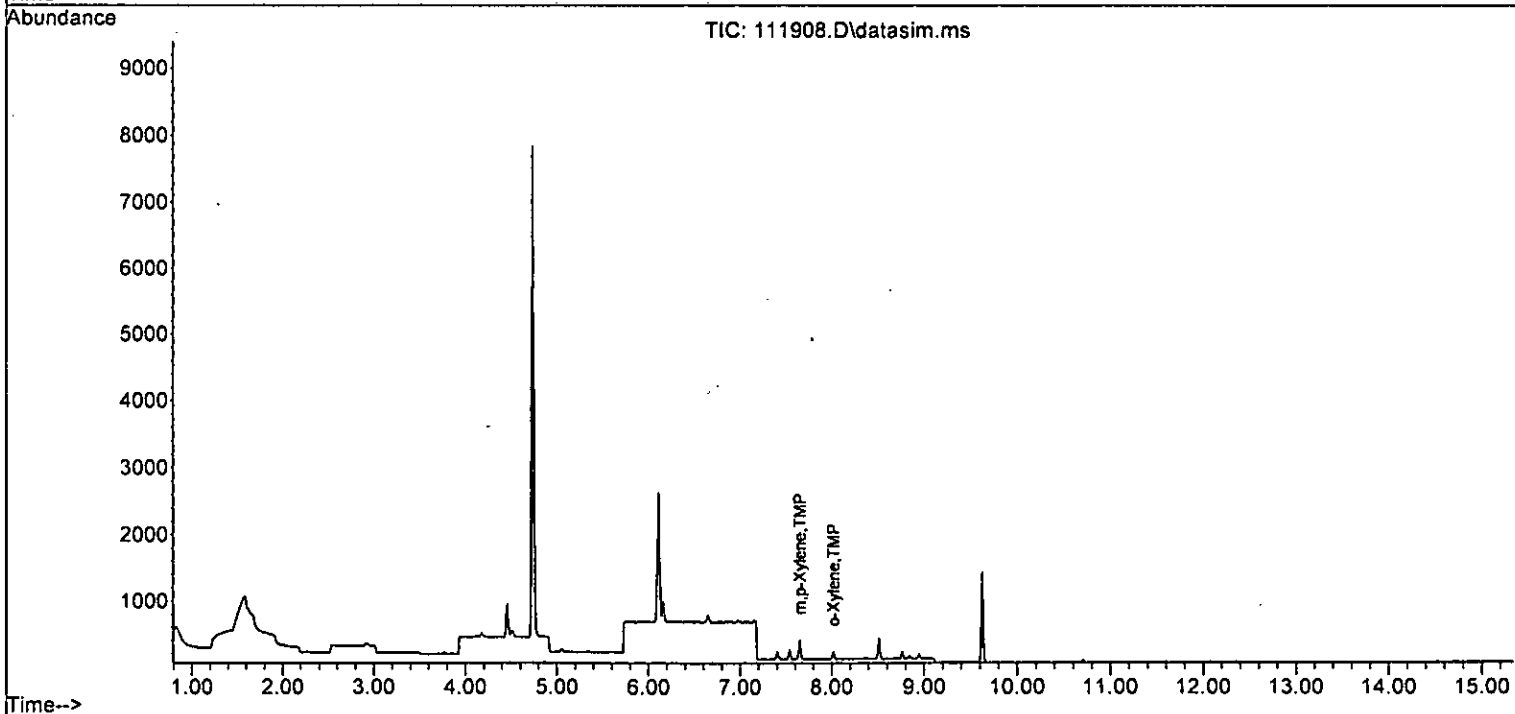
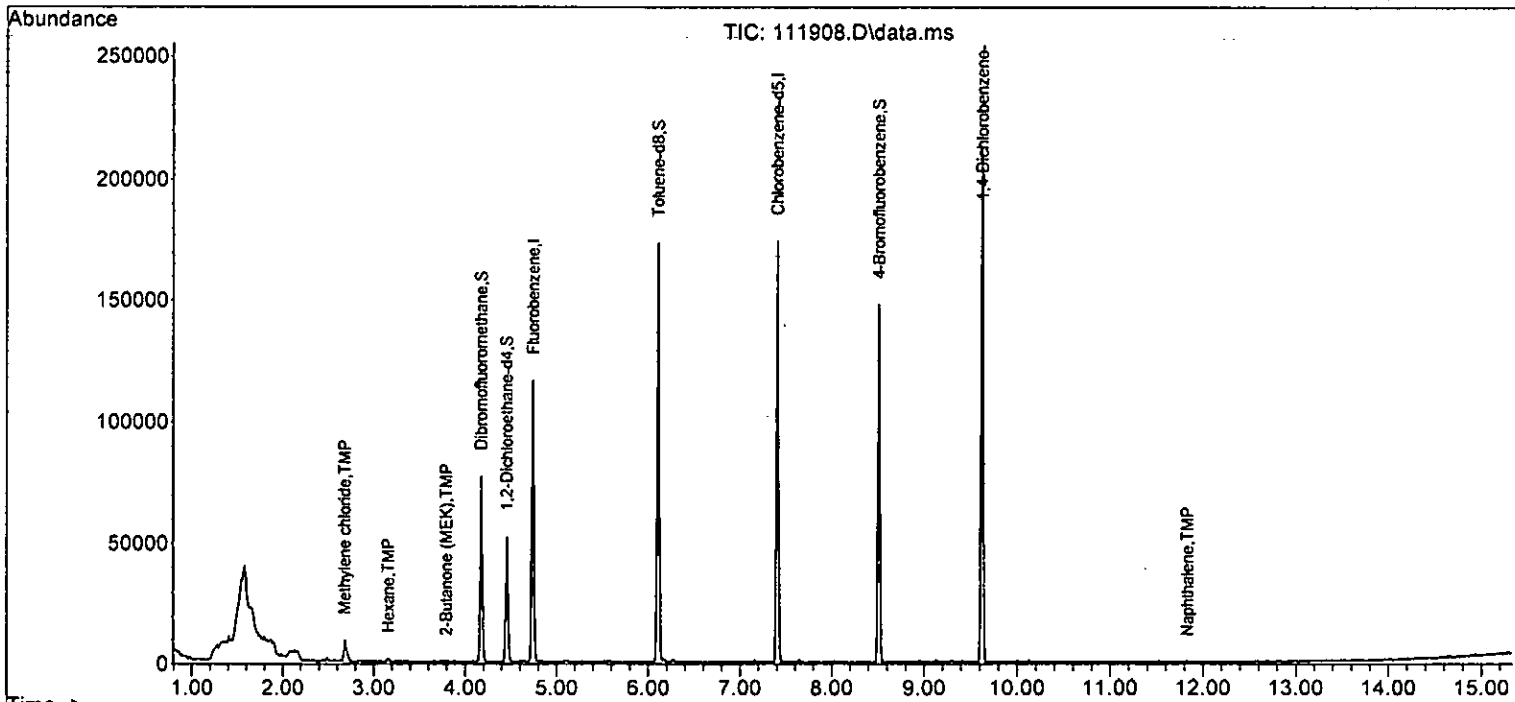
Quant Time: Nov 21 11:55:08 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.00		0		N.D.	
38) cis-1,3-Dichloropropene	0.00		0		N.D.	
40) Toluene	6.16	92	153		N.D.	
41) trans-1,3-Dichloropropene	0.00		0		N.D. d	
42) 1,1,2-Trichloroethane	0.00		0		N.D.	
43) 2-Hexanone	6.78	43	153		N.D.	
44) 1,3-Dichloropropane	0.00		0		N.D.	
45) Tetrachloroethene	6.65	164	43	Below Cal		83
46) Dibromochloromethane	0.00		0		N.D.	
47) 1,2-Dibromoethane (EDB)	0.00		0		N.D.	
48) Chlorobenzene	0.00		0		N.D.	
49) Ethylbenzene	7.54	91	144		N.D.	
50) 1,1,1,2-Tetrachloroethane	0.00		0		N.D.	
51) m,p-Xylene	7.65	106	152	0.026	ppb	81
52) o-Xylene	8.02	106	57	0.010	ppb #	76
53) Styrene	8.03	104	90		N.D.	
54) Isopropylbenzene	8.36	105	182		N.D.	
55) Bromoform	0.00		0		N.D.	
58) n-Propylbenzene	8.76	91	206		N.D.	
59) Bromobenzene	0.00		0		N.D.	
60) 1,3,5-Trimethylbenzene	8.94	105	81		N.D.	
61) 1,1,2,2-Tetrachloroethane	0.00		0		N.D.	
62) 1,2,3-Trichloropropane	0.00		0		N.D. d	
63) 2-Chlorotoluene	8.76	91	206		N.D.	
64) 4-Chlorotoluene	8.95	91	99		N.D.	
65) tert-Butylbenzene	9.29	119	49		N.D.	
66) 1,2,4-Trimethylbenzene	9.30	105	257		N.D.	
67) sec-Butylbenzene	9.46	105	125		N.D.	
68) p-Isopropyltoluene	9.60	119	175		N.D.	
69) 1,3-Dichlorobenzene	9.65	146	104		N.D.	
70) 1,4-Dichlorobenzene	9.65	146	104		N.D.	
71) 1,2-Dichlorobenzene	10.00	146	109		N.D.	
72) 1,2-Dibromo-3-chloropr...	0.00		0		N.D.	
73) 1,2,4-Trichlorobenzene	11.59	180	49		N.D.	
74) Hexachlorobutadiene	0.00		0		N.D.	
75) Naphthalene	11.83	128	318	0.108	ppb	69
76) 1,2,3-Trichlorobenzene	12.07	180	64		N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS13\11-19-22\
Data File : 111908.D
Acq On : 19 Nov 2022 11:08 pm
Operator : JCM
Sample : 02-2765 mb 1/0.25
Misc : soil
ALS Vial : 3 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Nov 21 11:55:08 2022
Quant Method : D:\Methods\Inst13\VB110522ms13LL.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
QLast Update : Mon Nov 07 15:16:10 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M



Data Path : Y:\Proc_GCMS13\11-21-22\
 Data File : 112104.D
 Acq On : 21 Nov 2022 06:18 am
 Operator : LM
 Sample : 02-2647 lcs
 Misc : water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 07:18:35 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) Fluorobenzene	4.73	96	91928	10.000	ppb	-0.01	
39) Chlorobenzene-d5	7.40	117	86416	10.000	ppb	0.00	
56) 1,4-Dichlorobenzene-d4	9.62	152	51669	10.000	ppb	0.00	
System Monitoring Compounds							
3) Dibromofluoromethane	4.17	113	30497	10.345	ppb	0.00	
Spiked Amount	10.000		Range 50 - 150	Recovery	=	103.40%	
30) 1,2-Dichloroethane-d4	4.45	102	5541	9.699	ppb	0.00	
Spiked Amount	10.000		Range 71 - 132	Recovery	=	97.00%	
35) Toluene-d8	6.11	98	88521	10.097	ppb	0.00	
Spiked Amount	10.000		Range 68 - 139	Recovery	=	101.00%	
57) 4-Bromofluorobenzene	8.51	95	33615	9.442	ppb	0.00	
Spiked Amount	10.000		Range 62 - 136	Recovery	=	94.40%	
Target Compounds							
2) Ethanol	2.33	45	277	No Calib			Qvalue
4) Dichlorodifluoromethane	1.11	85	65075	8.848	ppb		94
5) Chloromethane	1.25	50	36022	8.027	ppb		94
6] Vinyl chloride	1.34	62	41516	8.860	ppb		100
7) Bromomethane	1.59	94	43161	10.867	ppb		99
8] Chloroethane	1.65	64	21730	10.337	ppb		96
9) Trichlorofluoromethane	1.86	101	105013	10.171	ppb		97
10) 2-Propanol	2.33	45	277	No Calib			
11) Acetone	2.32	58	8020	32.820	ppb		100
12] 1,1-Dichloroethene	2.27	96	24665	9.417	ppb		96
13) Hexane	3.16	57	21683	7.296	ppb		95
14) Methylene chloride	2.68	84	26143	9.425	ppb		95
15) t-Butyl alcohol (TBA)	2.81	59	12761	57.836	ppb		89
16] Methyl t-butyl ether (...)	2.93	73	65454	10.694	ppb		96
17] trans-1,2-Dichloroethene	2.92	96	27018	9.229	ppb		92
18) Diisopropyl ether (DIPE)	3.35	45	60179	9.382	ppb		94
19] 1,1-Dichloroethane	3.27	63	37101	8.709	ppb		98
20) Ethyl t-butyl ether (E...)	3.65	87	28247	11.928	ppb		93
21) 2,2-Dichloropropane	3.76	77	31633	14.228	ppb		99
22] cis-1,2-Dichloroethene	3.77	96	30566	9.981	ppb		90
23) Chloroform	4.04	83	46145	9.319	ppb		96
24) 2-Butanone (MEK)	3.79	43	53369	46.249	ppb		100
25) t-Amyl methyl ether (T...)	4.61	73	57943	11.663	ppb		92
26] 1,2-Dichloroethane (EDC)	4.52	62	35026	9.372	ppb		94
27] 1,1,1-Trichloroethane	4.19	97	48728	11.001	ppb		95
28) 1,1-Dichloropropene	4.33	75	32333	9.732	ppb		92
29) Carbon tetrachloride	4.33	117	52529	11.779	ppb		99
31] Benzene	4.50	78	87276	8.489	ppb		99
32] Trichloroethene	5.05	95	30452	9.038	ppb	#	61
33) 1,2-Dichloropropane	5.24	63	18704	8.444	ppb		94
34) Bromodichloromethane	5.48	83	34473	9.700	ppb		94
36) Dibromomethane	5.34	93	18646	9.242	ppb		86

Data Path : Y:\Proc_GCMS13\11-21-22\
 Data File : 112104.D
 Acq On : 21 Nov 2022 06:18 am
 Operator : LM
 Sample : 02-2647 lcs
 Misc : water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS13

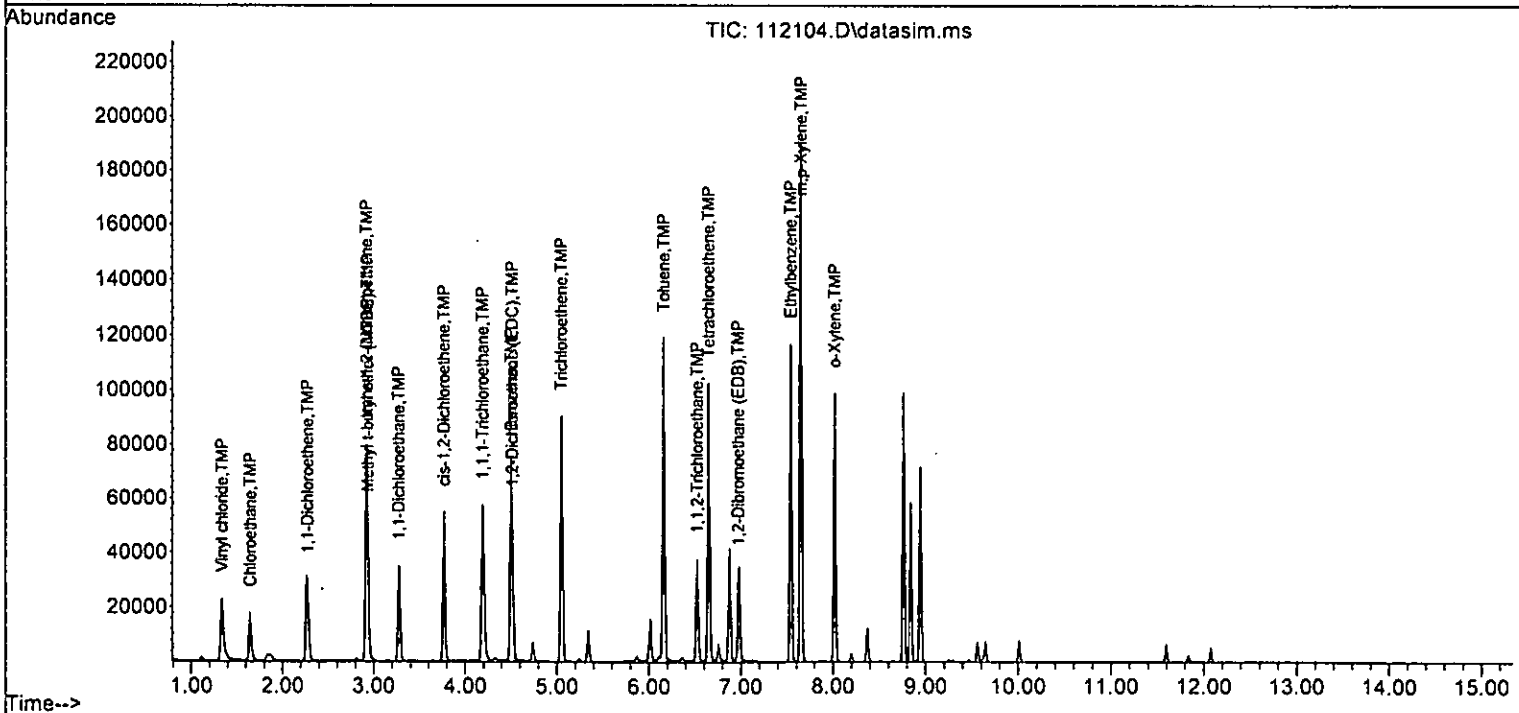
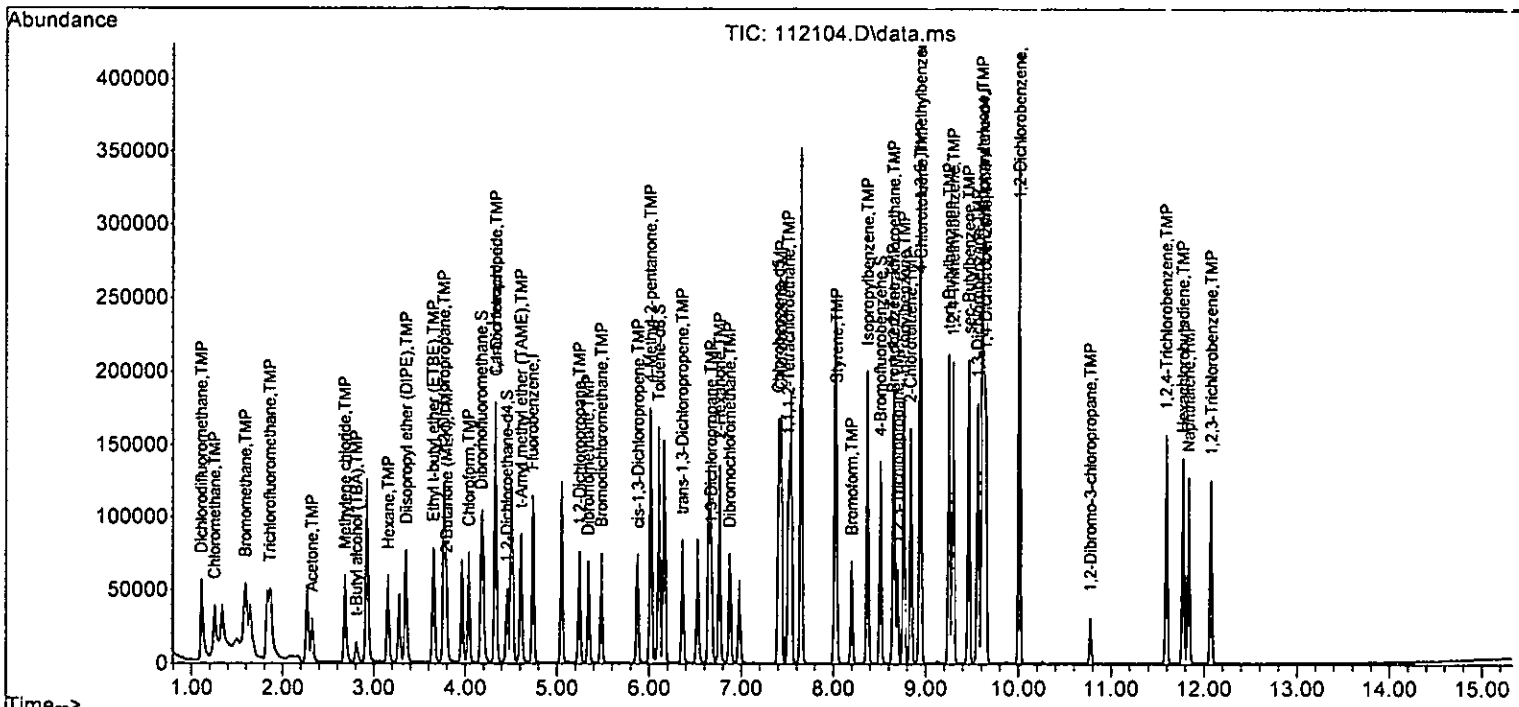
Quant Time: Nov 21 07:18:35 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	6.01	85	21792	55.877	ppb	91
38) cis-1,3-Dichloropropene	5.88	75	35034	10.584	ppb	92
40] Toluene	6.16	92	61806	8.921	ppb	94
41) trans-1,3-Dichloropropene	6.36	75	33872	11.112	ppb	92
42] 1,1,2-Trichloroethane	6.53	83	18578	8.304	ppb #	78
43) 2-Hexanone	6.76	43	74616	45.551	ppb	95
44) 1,3-Dichloropropane	6.67	76	31701	8.023	ppb	97
45] Tetrachloroethene	6.65	164	35579	10.424	ppb	93
46) Dibromochloromethane	6.87	129	39421	10.601	ppb	97
47] 1,2-Dibromoethane (EDB)	6.97	107	29718	9.565	ppb	93
48) Chlorobenzene	7.43	112	81879	9.542	ppb	89
49] Ethylbenzene	7.54	91	115631	8.594	ppb	88
50) 1,1,1,2-Tetrachloroethane	7.51	131	37307	11.168	ppb	96
51] m,p-Xylene	7.65	106	99112	18.746	ppb #	76
52] o-Xylene	8.02	106	49409	9.679	ppb #	76
53) Styrene	8.03	104	73709	9.613	ppb	95
54) Isopropylbenzene	8.37	105	117953	9.509	ppb	93
55) Bromoform	8.20	173	29044	11.240	ppb	97
58) n-Propylbenzene	8.77	91	122030	8.748	ppb	82
59) Bromobenzene	8.65	156	42893	9.913	ppb #	77
60) 1,3,5-Trimethylbenzene	8.94	105	99073	9.745	ppb	89
61) 1,1,2,2-Tetrachloroethane	8.65	83	27804	9.208	ppb	94
62) 1,2,3-Trichloropropane	8.70	75	20008	7.964	ppb	89
63) 2-Chlorotoluene	8.84	91	73236	8.767	ppb	83
64) 4-Chlorotoluene	8.95	91	85893	8.695	ppb	75
65) tert-Butylbenzene	9.25	119	102139	10.128	ppb	87
66) 1,2,4-Trimethylbenzene	9.30	105	102066	9.895	ppb	87
67) sec-Butylbenzene	9.46	105	127419	9.399	ppb	90
68) p-Isopropyltoluene	9.61	119	123837	10.041	ppb	93
69) 1,3-Dichlorobenzene	9.56	146	76423	9.670	ppb	94
70) 1,4-Dichlorobenzene	9.64	146	75838	9.385	ppb	97
71) 1,2-Dichlorobenzene	10.01	146	73485	9.778	ppb	97
72) 1,2-Dibromo-3-chloropr...	10.77	75	5373	9.637	ppb #	71
73) 1,2,4-Trichlorobenzene	11.59	180	48344	9.641	ppb	99
74) Hexachlorobutadiene	11.77	225	27956	9.022	ppb	98
75) Naphthalene	11.83	128	95332	9.929	ppb	99
76) 1,2,3-Trichlorobenzene	12.08	180	41439	9.481	ppb	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS13\11-21-22\
 Data File : 112104.D
 Acq On : 21 Nov 2022 06:18 am
 Operator : LM
 Sample : 02-2647 lcs
 Misc : water
 ALS Vial : 2 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 07:18:35 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



Data Path : Y:\Proc_GCMS13\11-21-22\
 Data File : 112105.D
 Acq On : 21 Nov 2022 06:41 am
 Operator : LM
 Sample : 02-2647 lcsd
 Misc : water
 ALS Vial : 3 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 07:18:39 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.73	96	100313	10.000	ppb	-0.01
39) Chlorobenzene-d5	7.40	117	87404	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	52656	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.17	113	31109	9.670	ppb	0.00
Spiked Amount	10.000	Range 50 - 150	Recovery	=	96.70%	
30) 1,2-Dichloroethane-d4	4.45	102	5420	8.694	ppb	0.00
Spiked Amount	10.000	Range 71 - 132	Recovery	=	86.90%	
35) Toluene-d8	6.11	98	89932	9.400	ppb	0.00
Spiked Amount	10.000	Range 68 - 139	Recovery	=	94.00%	
57) 4-Bromofluorobenzene	8.51	95	32958	9.084	ppb	0.00
Spiked Amount	10.000	Range 62 - 136	Recovery	=	90.80%	
Target Compounds						
2) Ethanol	2.32	45	290	No Calib		Qvalue
4) Dichlorodifluoromethane	1.11	85	67162	8.369	ppb	99
5) Chloromethane	1.25	50	38749	7.913	ppb	94
6] Vinyl chloride	1.33	62	40370	7.895	ppb	95
7) Bromomethane	1.58	94	43848	10.118	ppb	93
8] Chloroethane	1.64	64	21191	9.238	ppb	98
9) Trichlorofluoromethane	1.86	101	101920	9.047	ppb	97
10) 2-Propanol	2.32	45	290	No Calib		
11) Acetone	2.32	58	7504	28.018	ppb	95
12] 1,1-Dichloroethene	2.26	96	24082	8.426	ppb	90
13) Hexane	3.16	57	20456	6.308	ppb	96
14) Methylene chloride	2.68	84	24995	8.109	ppb	96
15) t-Butyl alcohol (TBA)	2.81	59	12768	53.031	ppb	91
16] Methyl t-butyl ether (...)	2.92	73	64400	9.643	ppb	100
17] trans-1,2-Dichloroethene	2.91	96	26521	8.302	ppb	93
18) Diisopropyl ether (DIPE)	3.34	45	53890	7.699	ppb	100
19] 1,1-Dichloroethane	3.27	63	36286	7.806	ppb	95
20) Ethyl t-butyl ether (E...)	3.65	87	28172	10.902	ppb	87
21) 2,2-Dichloropropane	3.76	77	29492	12.180	ppb	97
22] cis-1,2-Dichloroethene	3.77	96	29901	8.948	ppb	87
23) Chloroform	4.04	83	44399	8.217	ppb	97
24) 2-Butanone (MEK)	3.78	43	51275	40.703	ppb	99
25) t-Amyl methyl ether (T...)	4.61	73	56956	10.506	ppb	92
26] 1,2-Dichloroethane (EDC)	4.52	62	34494	8.453	ppb	95
27] 1,1,1-Trichloroethane	4.19	97	48141	9.960	ppb	93
28) 1,1-Dichloropropene	4.33	75	30209	8.332	ppb	89
29) Carbon tetrachloride	4.33	117	49747	10.222	ppb	98
31] Benzene	4.50	78	85218	7.596	ppb	98
32] Trichloroethene	5.05	95	29355	7.984	ppb	# 57
33) 1,2-Dichloropropane	5.24	63	18643	7.713	ppb	94
34) Bromodichloromethane	5.48	83	33387	8.609	ppb	95
36) Dibromomethane	5.34	93	18011	8.181	ppb	# 80

Data Path : Y:\Proc_GCMS13\11-21-22\
 Data File : 112105.D
 Acq On : 21 Nov 2022 06:41 am
 Operator : LM
 Sample : 02-2647 lcsd
 Misc : water
 ALS Vial : 3 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 07:18:39 2022

Quant-Method:-Y:\Methods\Inst13\VB110522ms13.M

Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition

QLast Update : Mon Nov 07 15:16:10 2022

Response via : Initial Calibration

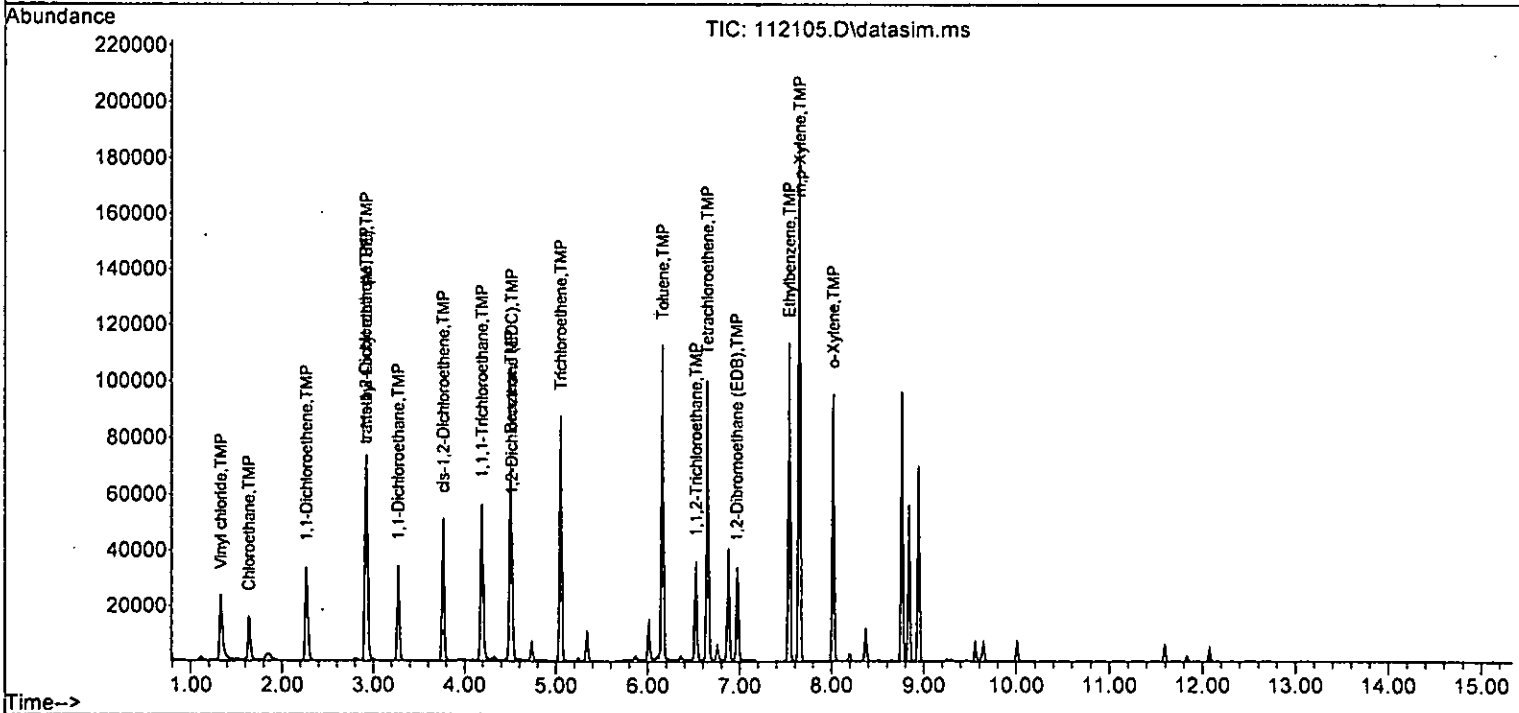
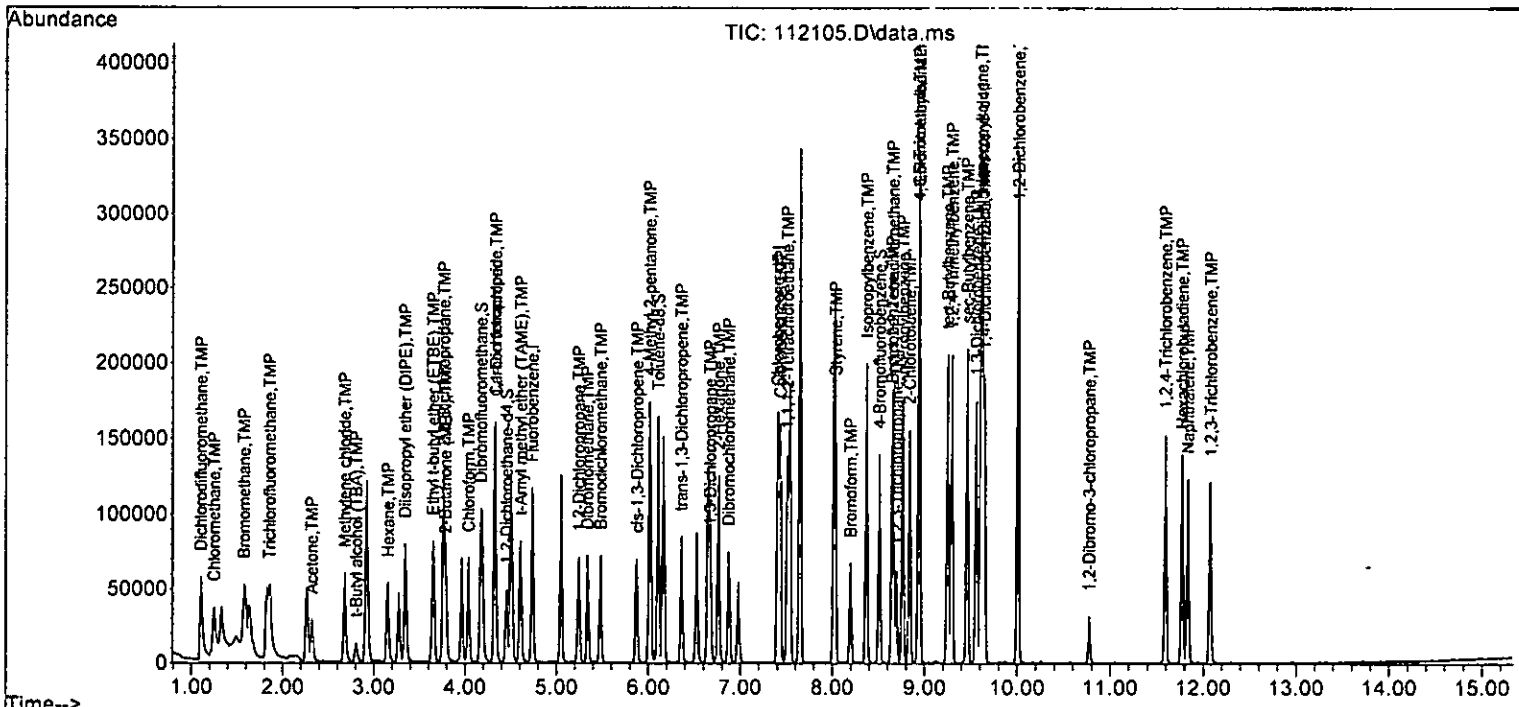
DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	6.01	85	20653	48.530	ppb	95
38) cis-1,3-Dichloropropene	5.88	75	33836	9.367	ppb	90
40] Toluene	6.16	92	60779	8.673	ppb	92
41) trans-1,3-Dichloropropene	6.36	75	32760	10.633	ppb	92
42] 1,1,2-Trichloroethane	6.53	83	18216	8.049	ppb #	77
43) 2-Hexanone	6.76	43	71253	43.007	ppb	96
44) 1,3-Dichloropropane	6.67	76	30962	7.748	ppb	99
45] Tetrachloroethene	6.65	164	34649	10.037	ppb	93
46) Dibromochloromethane	6.87	129	38622	10.271	ppb	98
47] 1,2-Dibromoethane (EDB)	6.97	107	29079	9.254	ppb	93
48) Chlorobenzene	7.43	112	79673	9.180	ppb	89
49] Ethylbenzene	7.54	91	113574	8.346	ppb	87
50) 1,1,1,2-Tetrachloroethane	7.51	131	36026	10.663	ppb	96
51] m,p-Xylene	7.65	106	96798	18.102	ppb #	77
52] o-Xylene	8.02	106	48239	9.343	ppb #	77
53) Styrene	8.03	104	72805	9.388	ppb	92
54) Isopropylbenzene	8.37	105	116046	9.249	ppb	92
55) Bromoform	8.20	173	27986	10.708	ppb	99
58) n-Propylbenzene	8.77	91	120642	8.487	ppb	85
59) Bromobenzene	8.65	156	42909	9.731	ppb #	78
60) 1,3,5-Trimethylbenzene	8.94	105	96711	9.334	ppb	90
61) 1,1,2,2-Tetrachloroethane	8.65	83	27148	8.818	ppb	95
62) 1,2,3-Trichloropropane	8.70	75	19497	7.615	ppb	88
63) 2-Chlorotoluene	8.84	91	71356	8.382	ppb	80
64) 4-Chlorotoluene	8.94	91	83655	8.309	ppb	89
65) tert-Butylbenzene	9.25	119	99950	9.725	ppb	88
66) 1,2,4-Trimethylbenzene	9.30	105	101795	9.684	ppb	91
67) sec-Butylbenzene	9.46	105	126059	9.124	ppb	90
68) p-Isopropyltoluene	9.61	119	120878	9.618	ppb	92
69) 1,3-Dichlorobenzene	9.56	146	74573	9.259	ppb	95
70) 1,4-Dichlorobenzene	9.64	146	74284	9.020	ppb	96
71) 1,2-Dichlorobenzene	10.01	146	71999	9.400	ppb	96
72) 1,2-Dibromo-3-chloropr...	10.77	75	5277	9.287	ppb	84
73) 1,2,4-Trichlorobenzene	11.59	180	46721	9.142	ppb	95
74) Hexachlorobutadiene	11.77	225	27989	8.863	ppb	97
75) Naphthalene	11.83	128	94777	9.692	ppb	99
76) 1,2,3-Trichlorobenzene	12.08	180	40445	9.080	ppb	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS13\11-21-22\
 Data File : 112105.D
 Acq On : 21 Nov 2022 06:41 am
 Operator : LM
 Sample : 02-2647 lcsd
 Misc : water
 ALS Vial : 3 Sample Multiplier: 1
 InstName : GCMS13

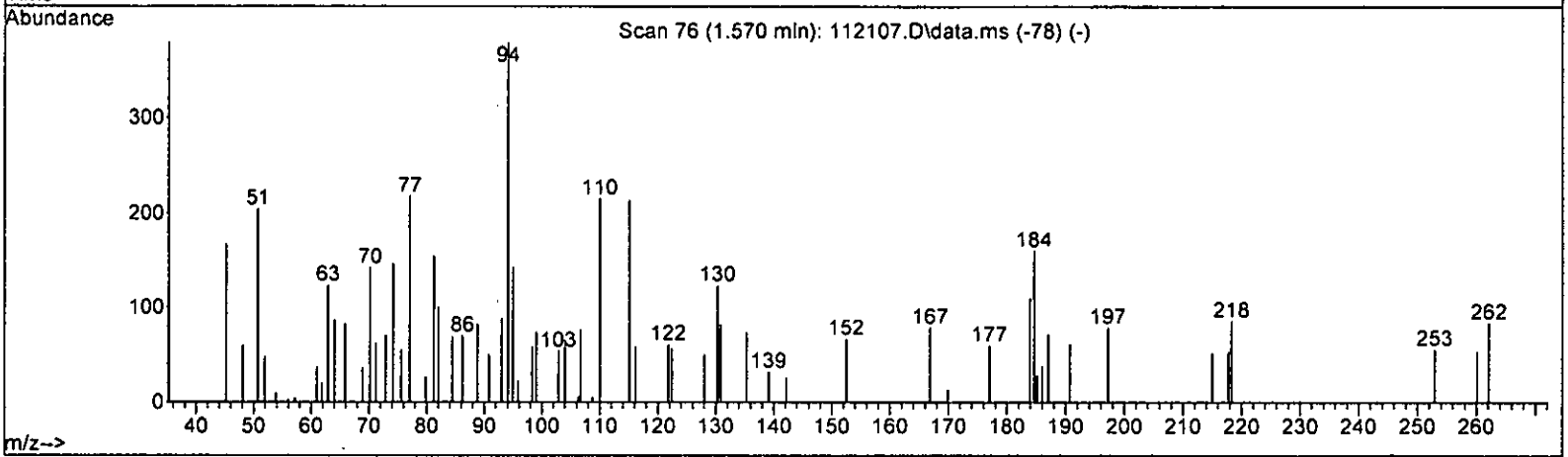
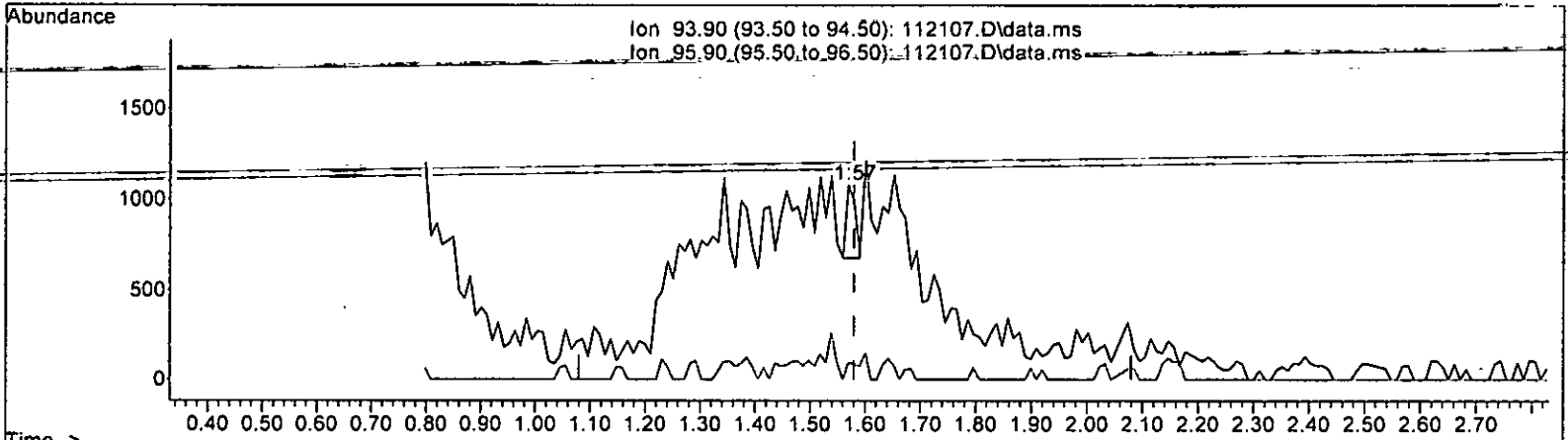
Quant Time: Nov 21 07:18:39 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-21-22\
 Data File : 112107.D
 Acq On : 21 Nov 2022 07:27 am
 Operator : LM
 Sample : 02-2647 mb
 Misc : water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 08:18:26 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



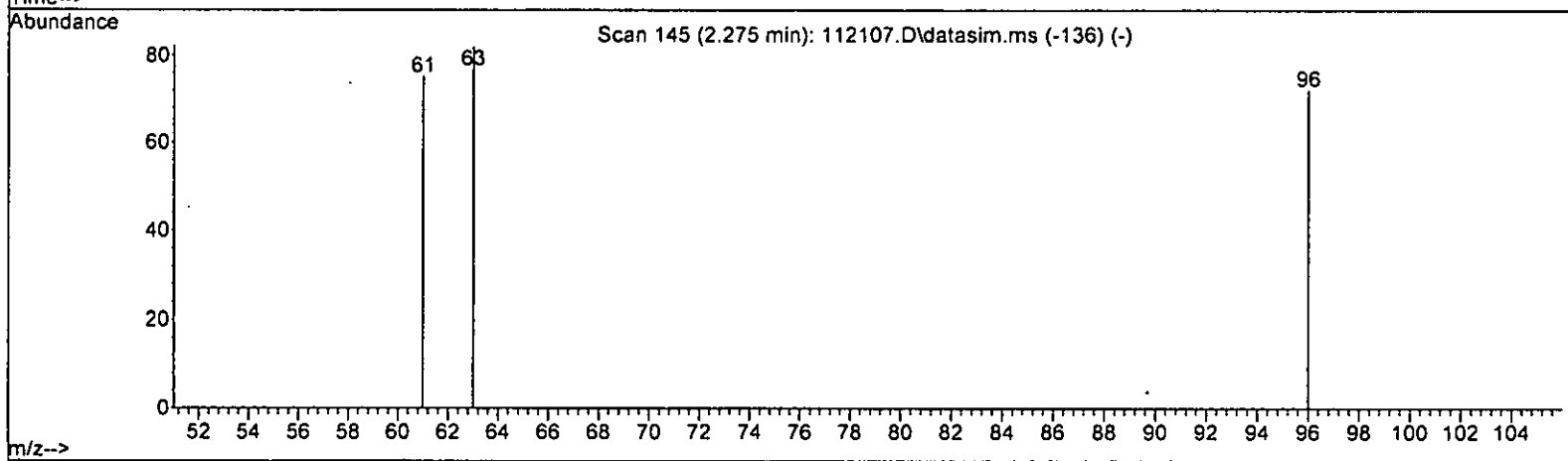
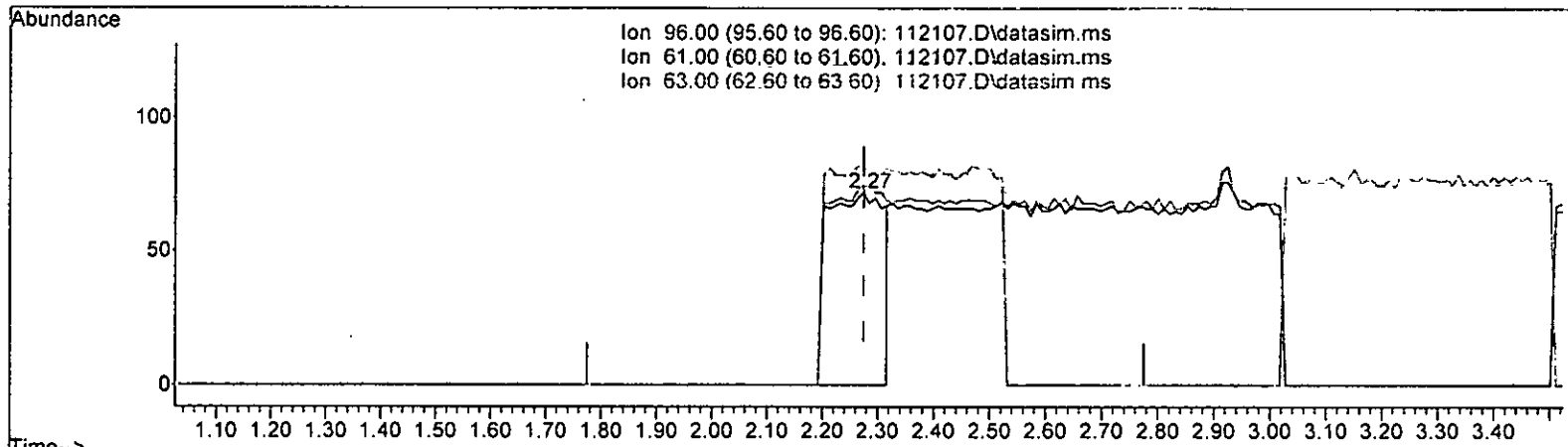
TIC: 112107.D\data.ms

(7) Bromomethane (TMP)		
1.570min (-0.010)	0.111	ppb
response	454	
Ion	Exp%	Act%
93.90	100.00	100.00
95.90	93.50	24.07#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-21-22\
 Data File : 112107.D
 Acq On : 21 Nov 2022 07:27 am
 Operator : LM
 Sample : 02-2647 mb
 Misc : water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 08:18:26 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 112107.D\data.ms

(12) 1,1-Dichloroethene (TMP)

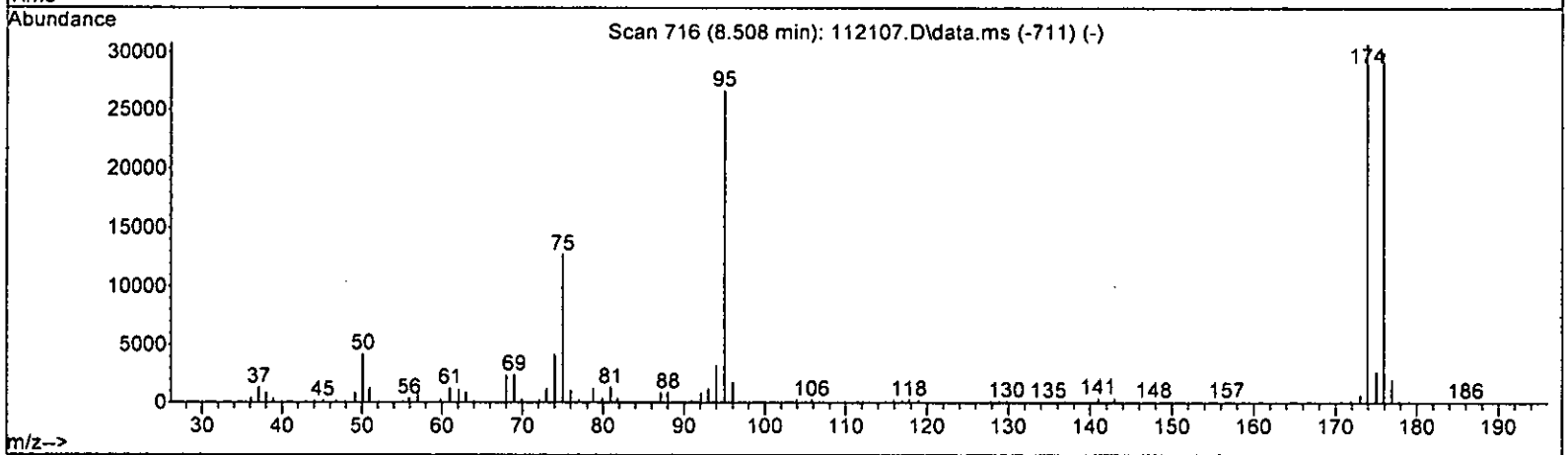
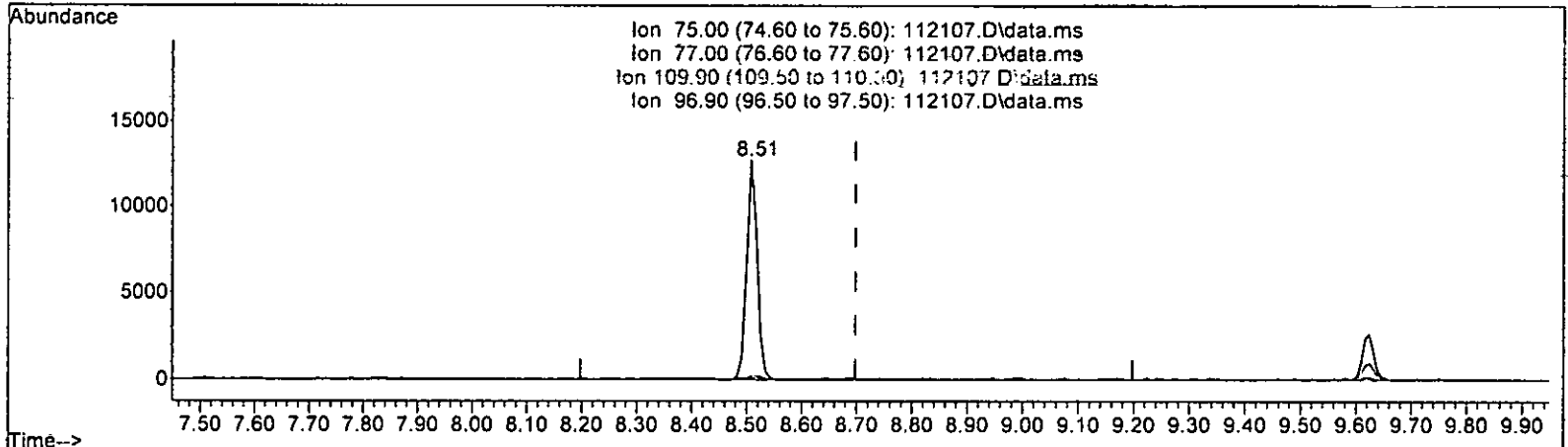
2.275min (-0.000) 0.187 ppb

response	504
Ion	Expt Act%
96.00	100.00 100.00
61.00	120.90 104.17
63.00	43.90 113.89#
0.00	0.00 0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\11-21-22\
 Data File : 112107.D
 Acq On : 21 Nov 2022 07:27 am
 Operator : LM
 Sample : 02-2647 mb
 Misc : water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 08:18:26 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



TIC: 112107.D\data.ms

(62) 1,2,3-Trichloropropane (TMP)

8.508min (-0.190) 6.586 ppb

response	16753	
Ion	Exp%	Act%
75.00	100.00	100.00
77.00	34.00	1.50#
109.90	36.50	0.67#
96.90	22.60	0.46

Data Path : Y:\Proc_GCMS13\11-21-22\
 Data File : 112107.D
 Acq On : 21 Nov 2022 07:27 am
 Operator : LM
 Sample : 02-2647 mb
 Misc : water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 08:18:26 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.75	96	94688	10.000	ppb	0.00
39) Chlorobenzene-d5	7.41	117	90378	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	52314	10.000	ppb	0.00

System Monitoring Compounds

3) Dibromofluoromethane	4.18	113	32813	10.806	ppb	0.00
Spiked Amount	10.000	Range	50 - 150	Recovery	=	108.10%
30) 1,2-Dichloroethane-d4	4.45	102	5868	9.972	ppb	0.00
Spiked Amount	10.000	Range	71 - 132	Recovery	=	99.70%
35) Toluene-d8	6.11	98	92810	10.277	ppb	0.00
Spiked Amount	10.000	Range	68 - 139	Recovery	=	102.80%
57) 4-Bromofluorobenzene	8.51	95	35235	9.775	ppb	0.00
Spiked Amount	10.000	Range	62 - 136	Recovery	=	97.70%

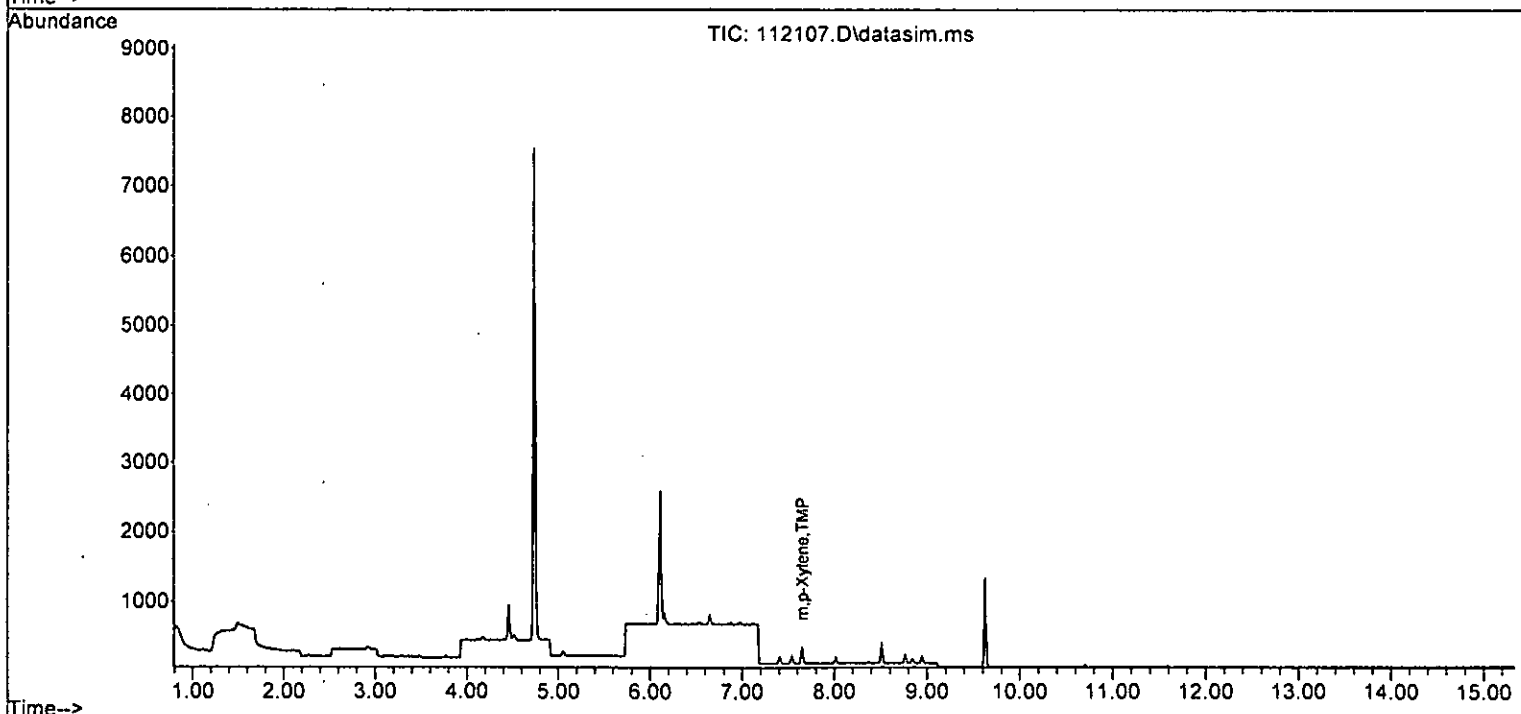
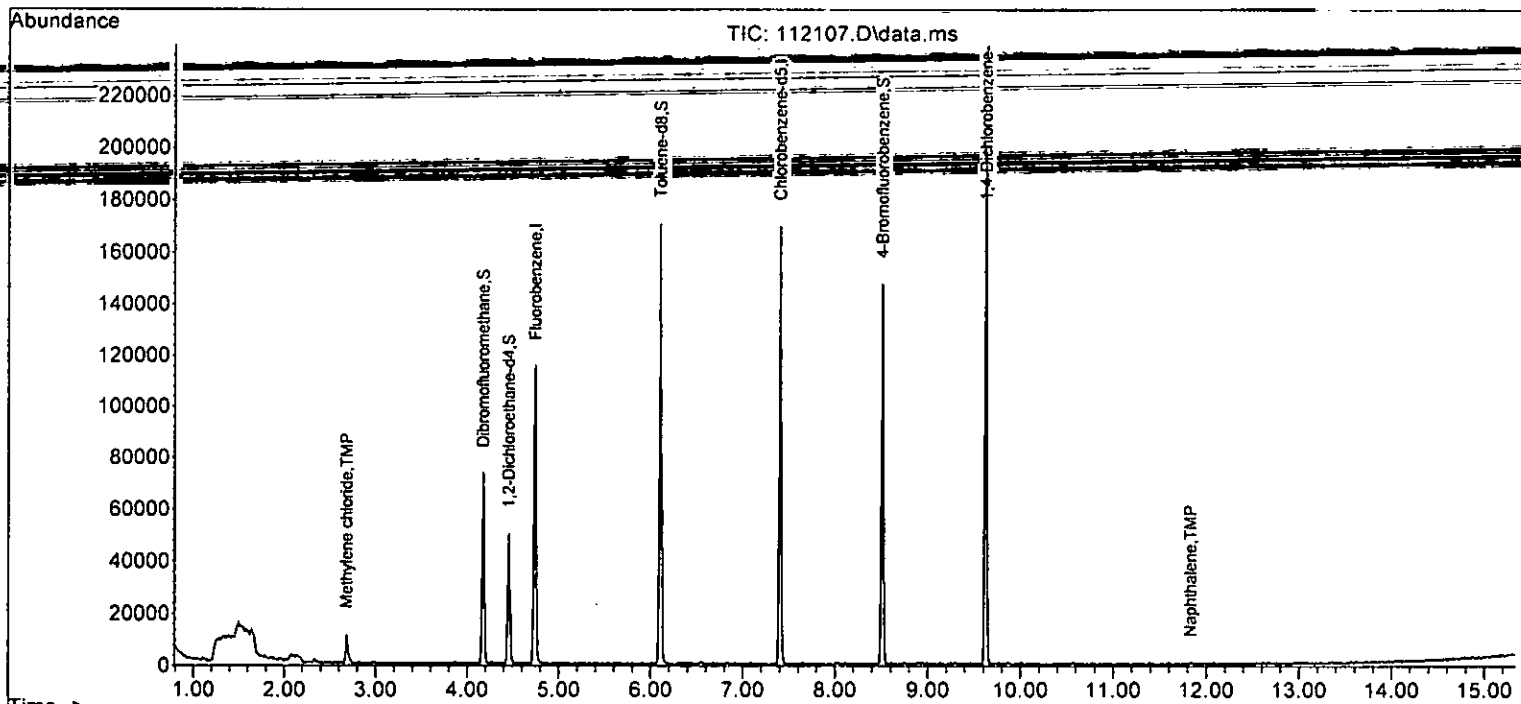
Target Compounds

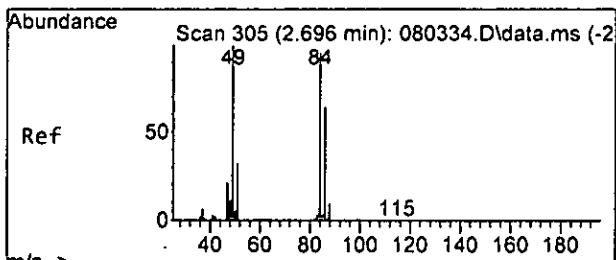
Compound	R.T.	QIon	Response	Conc	Units	Qvalue
14) Methylene chloride	2.68	84	4468	0.554	ppb	94
24) 2-Butanone (MEK)	3.81	43	90	Below Cal		55
26] 1,2-Dichloroethane (EDC)	4.53	62	79	Below Cal		97
40] Toluene	6.16	92	67	Below Cal		95
42] 1,1,2-Trichloroethane	6.53	83	31	Below Cal	#	38
45] Tetrachloroethene	6.65	164	65	Below Cal		87
51] m,p-Xylene	7.65	106	128	0.023	ppb	# 76
75) Naphthalene	11.83	128	407	0.120	ppb	74

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS13\11-21-22\
 Data File : 112107.D
 Acq On : 21 Nov 2022 07:27 am
 Operator : LM
 Sample : 02-2647 mb
 Misc : water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

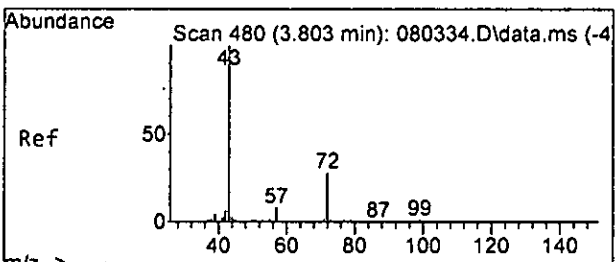
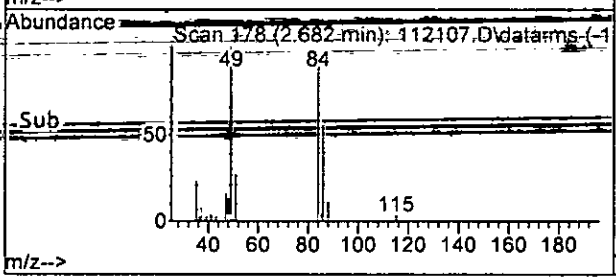
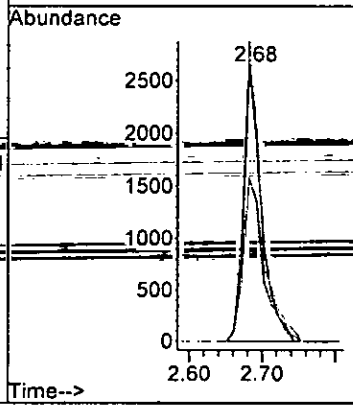
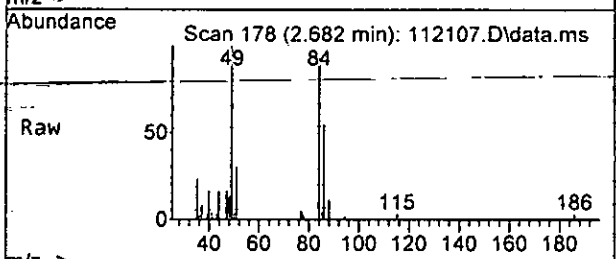
Quant Time: Nov 21 08:18:26 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M





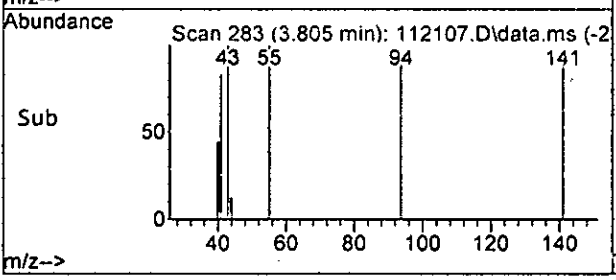
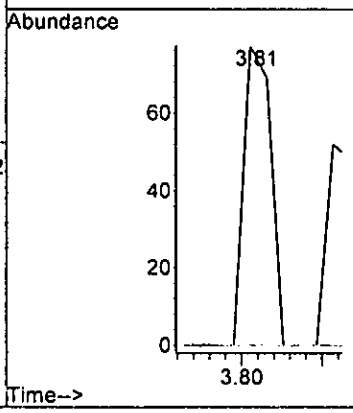
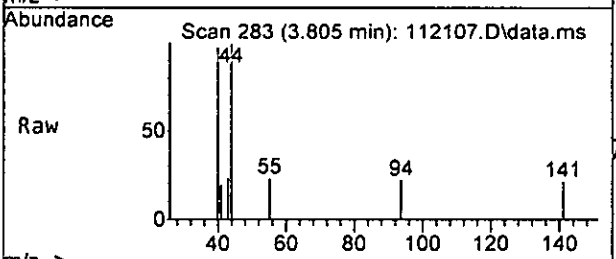
#14
 Methylene chloride
 Concen: 0.554 ppb
 RT: 2.68 min Scan# 178
 Delta R.T. -0.000 min
 Lab File: 112107.D
 Acq: 21 Nov 2022 07:27 am

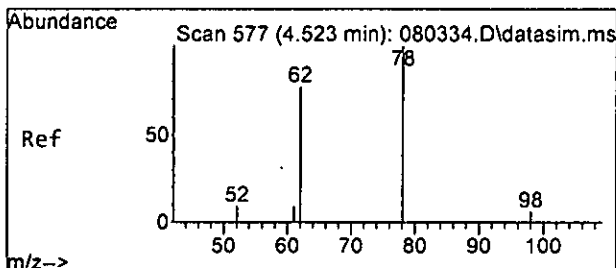
Tgt Ion: 84 Resp: 4468
 Ion Ratio Lower Upper
 84 100
 86 -59.1 -37.1 -97.1
 49 107.9 81.3 141.3



#24
 2-Butanone (MEK)
 Concen: Below Cal
 RT: 3.81 min Scan# 283
 Delta R.T. 0.010 min
 Lab File: 112107.D
 Acq: 21 Nov 2022 07:27 am

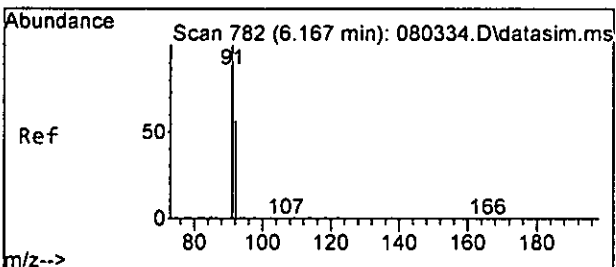
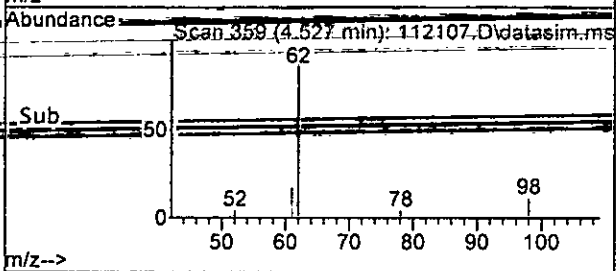
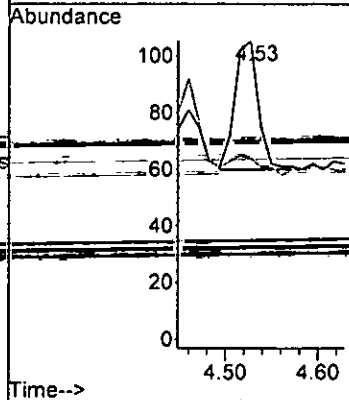
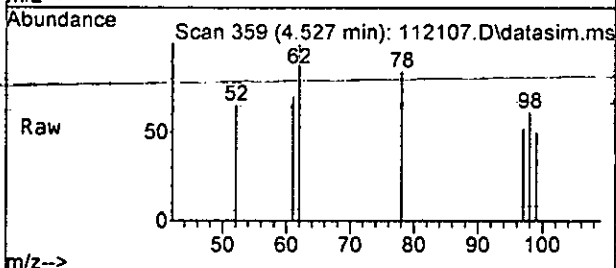
Tgt Ion: 43 Resp: 90
 Ion Ratio Lower Upper
 43 100
 72 0.0 0.0 57.0
 57 0.0 0.0 28.0





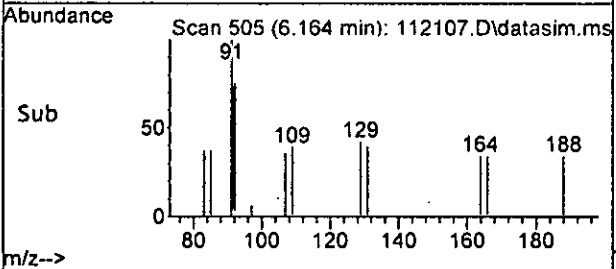
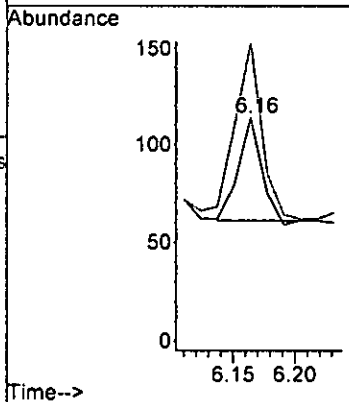
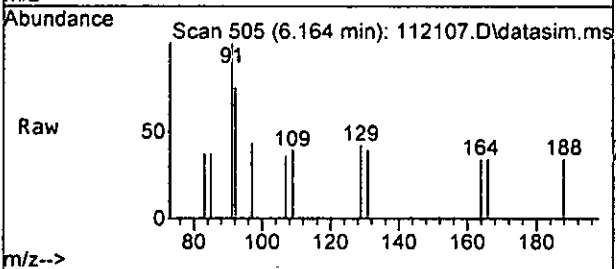
#26
 1,2-Dichloroethane (EDC)
 Concen: Below Cal
 RT: 4.53 min Scan# 359
 Delta R.T. -0.000 min
 Lab File: 112107.D
 Acq: 21 Nov 2022 07:27 am

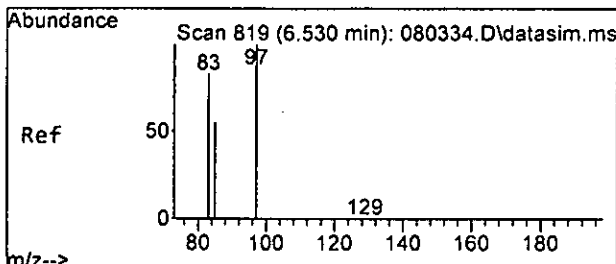
Tgt Ion: 62 Resp: 79
 Ion Ratio Lower Upper
 62 100
 98 -11.1 -0.0 -40.1



#40
 Toluene
 Concen: Below Cal
 RT: 6.16 min Scan# 505
 Delta R.T. 0.000 min
 Lab File: 112107.D
 Acq: 21 Nov 2022 07:27 am

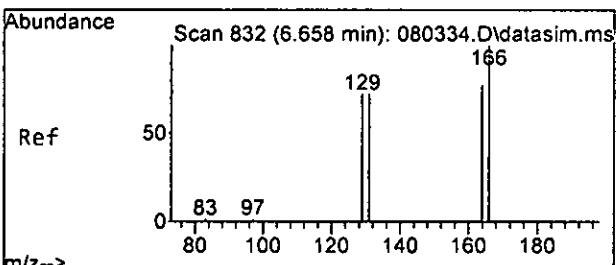
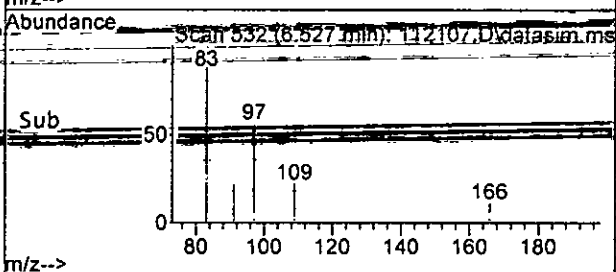
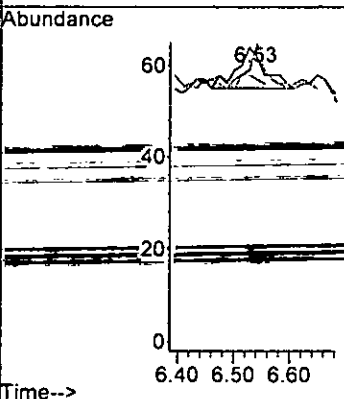
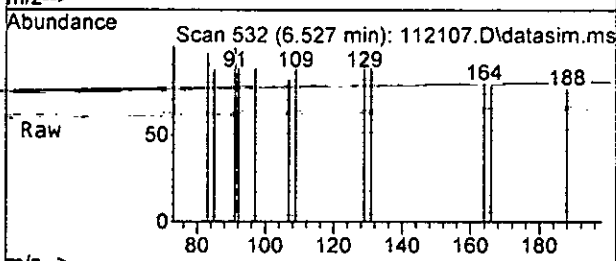
Tgt Ion: 92 Resp: 67
 Ion Ratio Lower Upper
 92 100
 91 171.7 148.5 208.5





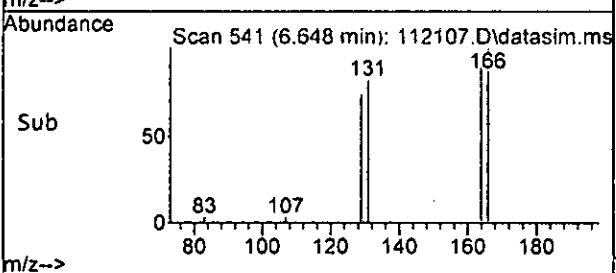
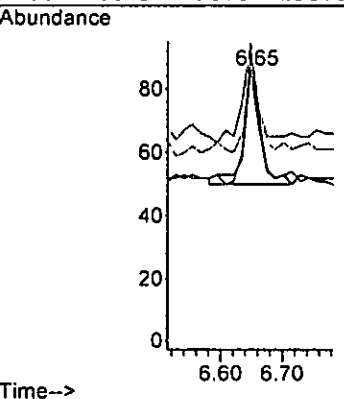
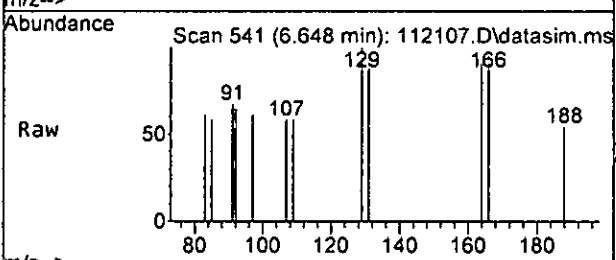
#42
 1,1,2-Trichloroethane
 Concen: Below Cal
 RT: 6.53 min Scan# 532
 Delta R.T. 0.000 min
 Lab File: 112107.D
 Acq: 21 Nov 2022 07:27 am

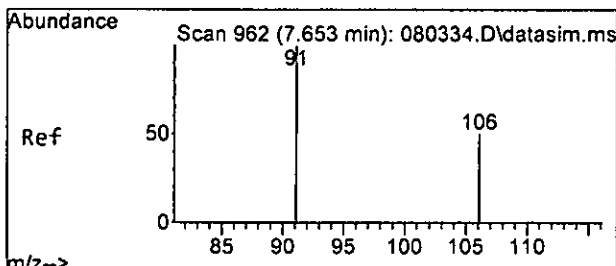
Tgt Ion: 83 Resp: 31
 Ion Ratio Lower Upper
 83 100
 97 44.4 88.0 148.0#
 85 22.2 35.3 95.3#



#45
 Tetrachloroethene
 Concen: Below Cal
 RT: 6.65 min Scan# 541
 Delta R.T. 0.000 min
 Lab File: 112107.D
 Acq: 21 Nov 2022 07:27 am

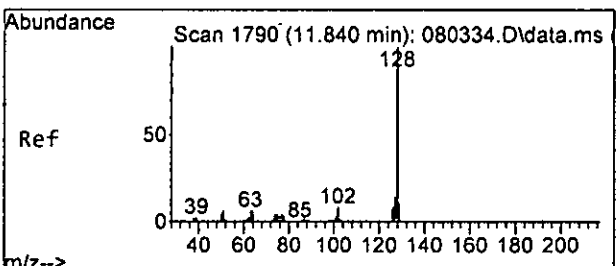
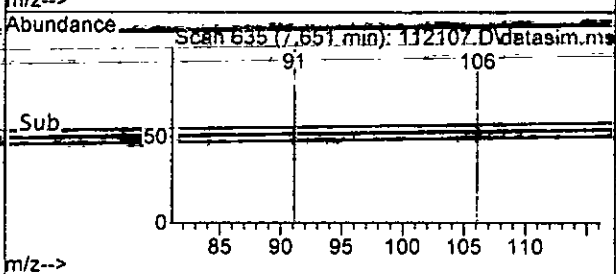
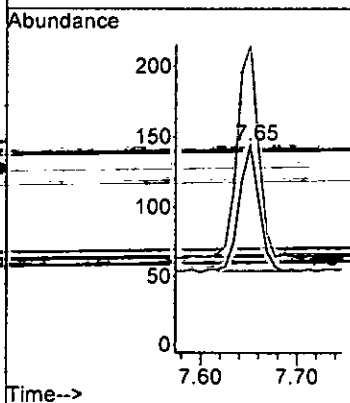
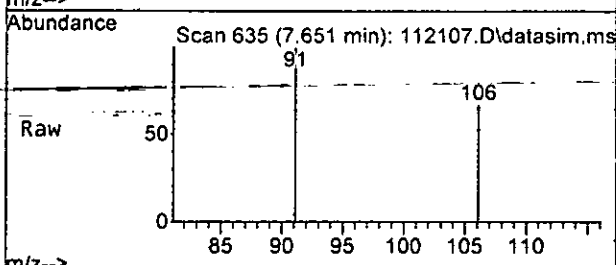
Tgt Ion: 164 Resp: 65
 Ion Ratio Lower Upper
 164 100
 129 83.3 72.1 132.1
 131 86.1 64.8 124.8
 166 108.3 90.0 150.0





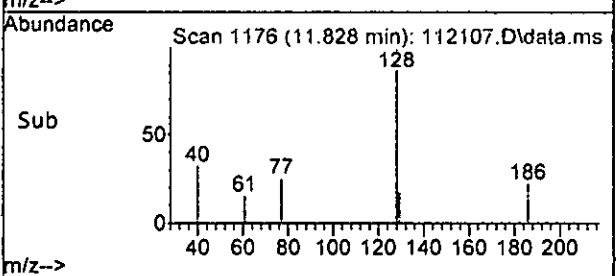
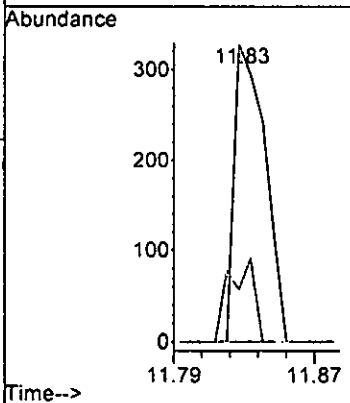
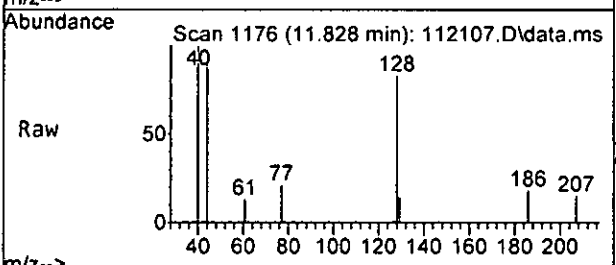
#51
 m,p-Xylene
 Concen: 0.023 ppb
 RT: 7.65 min Scan# 635
 Delta R.T. 0.000 min
 Lab File: 112107.D
 Acq: 21 Nov 2022 07:27 am

Tgt Ion: 106 Resp: 128
 Ion Ratio Lower Upper
 106 100
 91 168.9 175.7 235.7#



#75
 Naphthalene
 Concen: 0.120 ppb
 RT: 11.83 min Scan# 1176
 Delta R.T. -0.007 min
 Lab File: 112107.D
 Acq: 21 Nov 2022 07:27 am

Tgt Ion: 128 Resp: 407
 Ion Ratio Lower Upper
 128 100
 129 17.1 0.0 40.8
 127 0.0 0.0 43.1



Data Path : Y:\Proc_GCMS13\11-21-22\
 Data File : 112107.D
 Acq On : 21 Nov 2022 07:27 am
 Operator : LM
 Sample : 02-2647 mb
 Misc : water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 08:18:26 2022
 Quant Method: Y:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	4.75	96	94688	10.000	ppb	0.00	
39) Chlorobenzene-d5	7.41	117	90378	10.000	ppb	0.00	
56) 1,4-Dichlorobenzene-d4	9.62	152	52314	10.000	ppb	0.00	
System Monitoring Compounds							
3) Dibromofluoromethane	4.18	113	32813	10.806	ppb	0.00	
Spiked Amount	10.000	Range 50 - 150	Recovery =	108.10%			
30) 1,2-Dichloroethane-d4	4.45	102	5868	9.972	ppb	0.00	
Spiked Amount	10.000	Range 71 - 132	Recovery =	99.70%			
35) Toluene-d8	6.11	98	92810	10.277	ppb	0.00	
Spiked Amount	10.000	Range 68 - 139	Recovery =	102.80%			
57) 4-Bromofluorobenzene	8.51	95	35235	9.775	ppb	0.00	
Spiked Amount	10.000	Range 62 - 136	Recovery =	97.70%			
Target Compounds							
							Qvalue
2) Ethanol	0.00		0		N.D.		
4) Dichlorodifluoromethane	1.14	85	75		N.D.		
5) Chloromethane	1.27	50	576		N.D.		
6) Vinyl chloride	0.00		0		N.D.		
7) Bromomethane	0.00		0		N.D. d		
8) Chloroethane	0.00		0		N.D.		
9) Trichlorofluoromethane	0.00		0		N.D.		
10) 2-Propanol	0.00		0		N.D.		
11) Acetone	2.33	58	262		N.D.		
12) 1,1-Dichloroethene	0.00		0		N.D. d		
13) Hexane	3.16	57	44		N.D.		
14) Methylene chloride	2.68	84	4468	0.554	ppb	94	
15) t-Butyl alcohol (TBA)	0.00		0		N.D.		
16) Methyl t-butyl ether (...)	0.00		0		N.D.		
17) trans-1,2-Dichloroethene	0.00		0		N.D.		
18) Diisopropyl ether (DIPE)	0.00		0		N.D.		
19) 1,1-Dichloroethane	0.00		0		N.D.		
20) Ethyl t-butyl ether (E...)	0.00		0		N.D.		
21) 2,2-Dichloropropane	3.77	77	129		N.D.		
22) cis-1,2-Dichloroethene	0.00		0		N.D.		
23) Chloroform	0.00		0		N.D.		
24) 2-Butanone (MEK)	3.81	43	90		Below Cal	55	
25) t-Amyl methyl ether (T...)	0.00		0		N.D.		
26] 1,2-Dichloroethane (EDC)	4.53	62	79		Below Cal	97	
27) 1,1,1-Trichloroethane	0.00		0		N.D.		
28) 1,1-Dichloropropene	0.00		0		N.D.		
29) Carbon tetrachloride	0.00		0		N.D.		
31) Benzene	4.50	78	61		N.D.		
32) Trichloroethene	0.00		0		N.D.		
33) 1,2-Dichloropropane	5.14	63	45		N.D.		
34) Bromodichloromethane	0.00		0		N.D.		
36) Dibromomethane	0.00		0		N.D.		

Data Path : Y:\Proc_GCMS13\11-21-22\
 Data File : 112107.D
 Acq On : 21 Nov 2022 07:27 am
 Operator : LM
 Sample : 02-2647 mb
 Misc : water
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

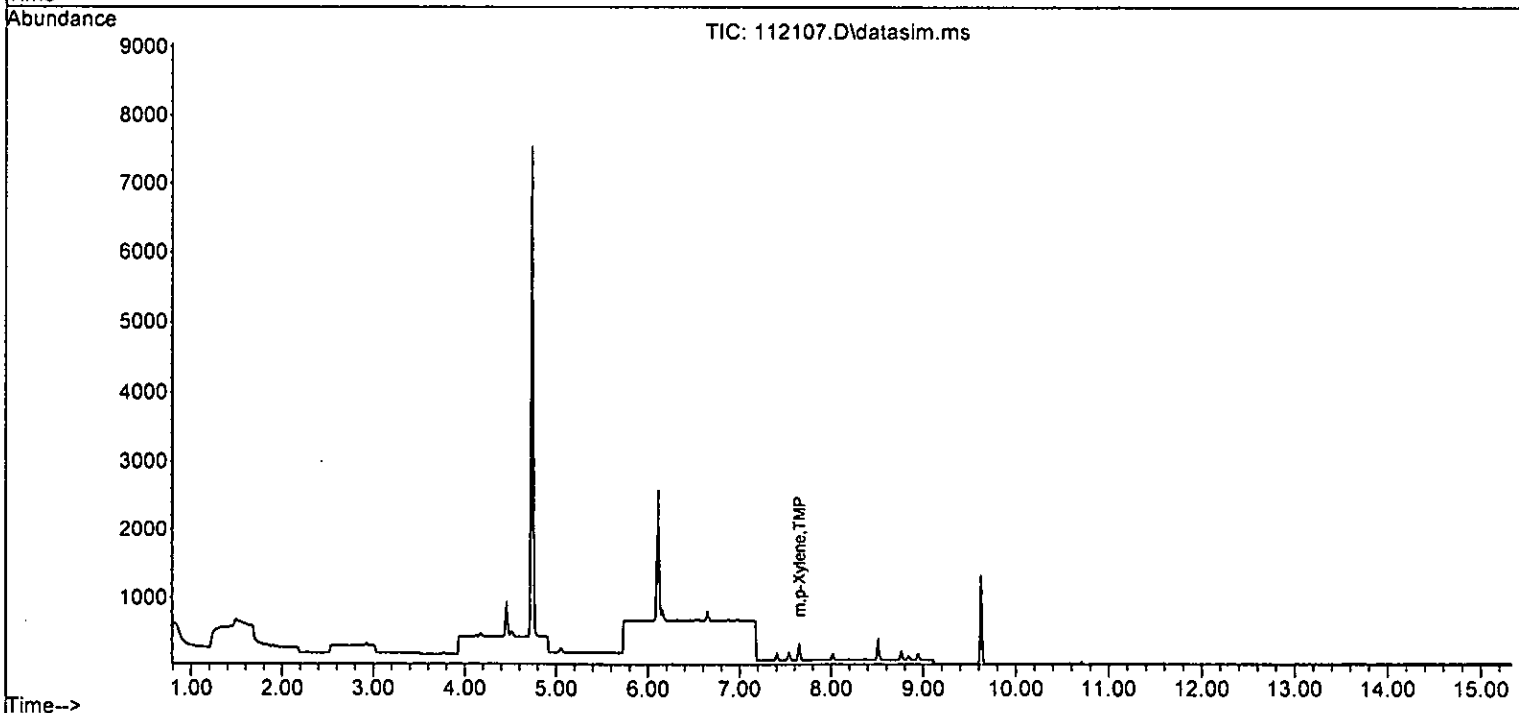
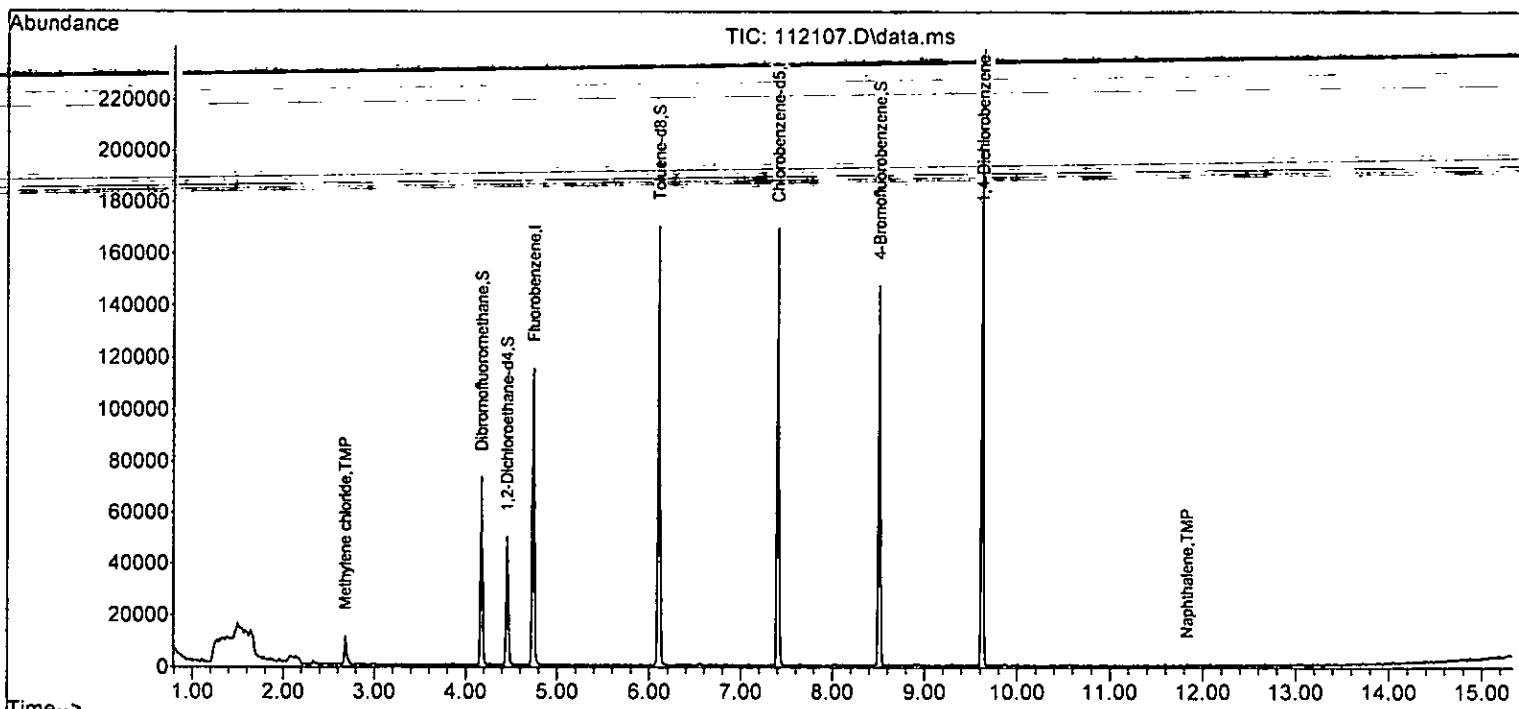
Quant Time: Nov 21 08:18:26 2022
 Quant Method : Y:\Methods\Inst13\VB110522ms13.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.00		0		N.D.	
38) cis-1,3-Dichloropropene	0.00		0		N.D.	
40] Toluene	6.16	92	67	Below Cal		95
41) trans-1,3-Dichloropropene	0.00		0		N.D.	
42] 1,1,2-Trichloroethane	6.53	83	31	Below Cal	#	38
43) 2-Hexanone	6.84	43	48		N.D.	
44) 1,3-Dichloropropane	0.00		0		N.D.	
45] Tetrachloroethene	6.65	164	65	Below Cal		87
46) Dibromochloromethane	0.00		0		N.D.	
47) 1,2-Dibromoethane (EDB)	0.00		0		N.D.	
48) Chlorobenzene	0.00		0		N.D.	
49) Ethylbenzene	7.54	91	127		N.D.	
50) 1,1,1,2-Tetrachloroethane	0.00		0		N.D.	
51] m,p-Xylene	7.65	106	128	0.023	ppb #	76
52) o-Xylene	8.02	106	49		N.D.	
53) Styrene	8.03	104	175		N.D.	
54) Isopropylbenzene	8.37	105	71		N.D.	
55) Bromoform	0.00		0		N.D.	
58) n-Propylbenzene	8.76	91	205		N.D.	
59) Bromobenzene	0.00		0		N.D.	
60) 1,3,5-Trimethylbenzene	8.94	105	153		N.D.	
61) 1,1,2,2-Tetrachloroethane	0.00		0		N.D.	
62) 1,2,3-Trichloropropane	0.00		0		N.D. d	
63) 2-Chlorotoluene	8.84	91	92		N.D.	
64) 4-Chlorotoluene	8.94	91	211		N.D.	
65) tert-Butylbenzene	9.25	119	53		N.D.	
66) 1,2,4-Trimethylbenzene	9.30	105	168		N.D.	
67) sec-Butylbenzene	9.46	105	193		N.D.	
68) p-Isopropyltoluene	9.60	119	239		N.D.	
69) 1,3-Dichlorobenzene	9.55	146	89		N.D.	
70) 1,4-Dichlorobenzene	9.65	146	129		N.D.	
71) 1,2-Dichlorobenzene	10.01	146	37		N.D.	
72) 1,2-Dibromo-3-chloropr...	0.00		0		N.D.	
73) 1,2,4-Trichlorobenzene	11.60	180	129		N.D.	
74) Hexachlorobutadiene	11.77	225	92		N.D.	
75) Naphthalene	11.83	128	407	0.120	ppb	74
76) 1,2,3-Trichlorobenzene	12.08	180	71		N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS13\11-21-22\
Data File : 112107.D
Acq On : 21 Nov 2022 07:27 am
Operator : LM
Sample : 02-2647 mb
Misc : water
ALS Vial : 4 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Nov 21 08:18:26 2022
Quant Method : Y:\Methods\Inst13\VB110522ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Mon Nov 07 15:16:10 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M



EPA 8260D
Sample Data

Data Path : D:\Proc_GCMS13\11-19-22\
 Data File : 111909.D
 Acq On : 19 Nov 2022 11:31 pm
 Operator : JCM
 Sample : 211274-01 1/0.25
 Misc : soil
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 11:55:10 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LI
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

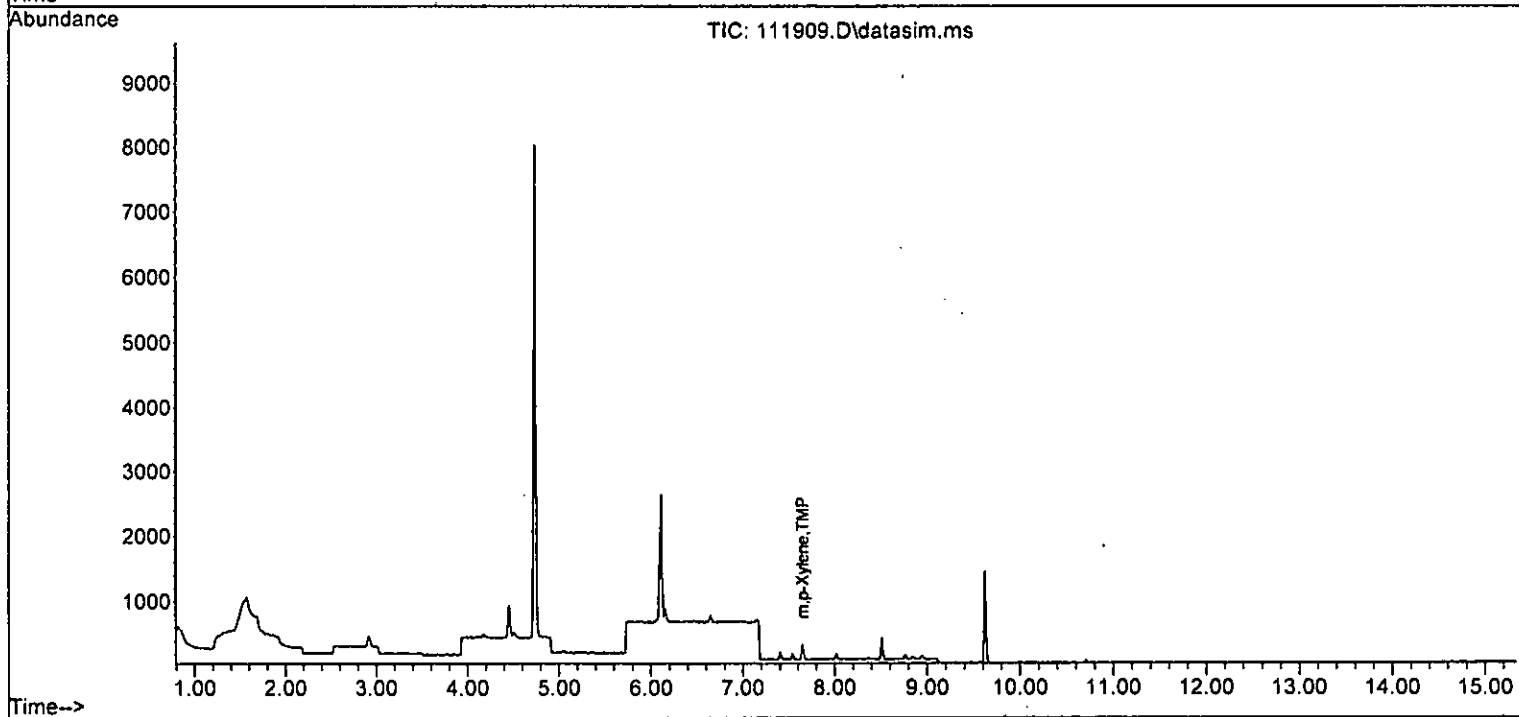
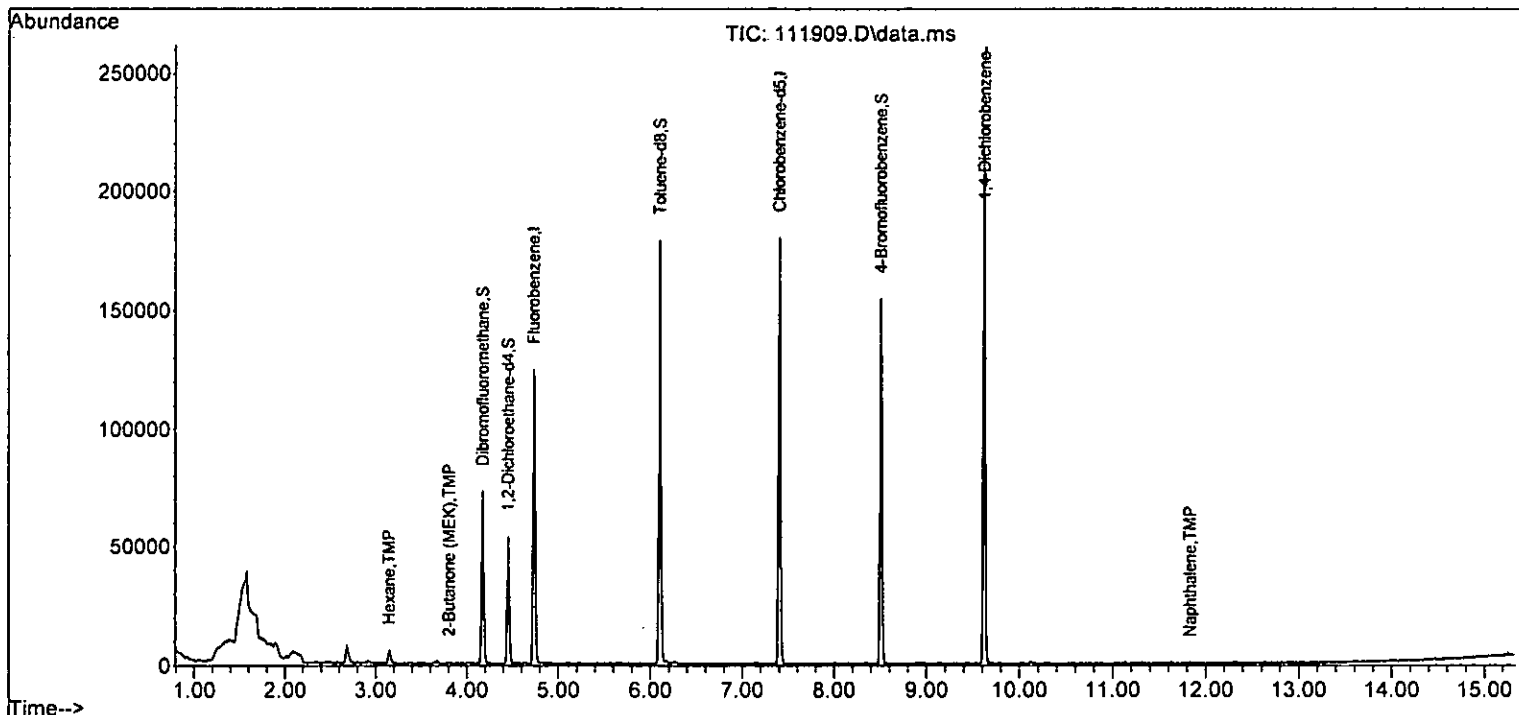
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

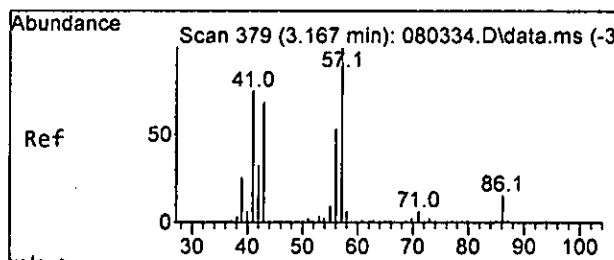
Internal Standards							
1) Fluorobenzene	4.73	96	108206	10.000	ppb	-0.01	
39) Chlorobenzene-d5	7.40	117	94744	10.000	ppb	0.00	
56) 1,4-Dichlorobenzene-d4	9.62	152	57258	10.000	ppb	0.00	
System Monitoring Compounds							
3) Dibromofluoromethane	4.17	113	33506	9.656	ppb	0.00	
Spiked Amount	10.000	Range	50 - 150	Recovery	=	96.60%	
30) 1,2-Dichloroethane-d4	4.45	102	6415	9.539	ppb	0.00	
Spiked Amount	10.000	Range	84 - 120	Recovery	=	95.40%	
35) Toluene-d8	6.10	98	98847	9.578	ppb	0.00	
Spiked Amount	10.000	Range	73 - 128	Recovery	=	95.80%	
57) 4-Bromofluorobenzene	8.51	95	37391	9.477	ppb	0.00	
Spiked Amount	10.000	Range	57 - 146	Recovery	=	94.80%	
Target Compounds							
							Qvalue
13) Hexane	3.15	57	2285	0.653	ppb		83
21) 2,2-Dichloropropane	3.75	77	75	Below Cal			48
24) 2-Butanone (MEK)	3.81	43	485	0.101	ppb		88
26] 1,2-Dichloroethane (EDC)	4.52	62	77	Below Cal			73
40] Toluene	6.16	92	104	Below Cal			92
42] 1,1,2-Trichloroethane	6.37	83	27	Below Cal	#		37
45] Tetrachloroethene	6.65	164	56	Below Cal			88
51] m,p-Xylene	7.65	106	115	0.020	ppb	#	73
75) Naphthalene	11.83	128	212	0.098	ppb		69

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS13\11-19-22\
 Data File : 111909.D
 Acq On : 19 Nov 2022 11:31 pm
 Operator : JCM
 Sample : 211274-01 1/0.25
 Misc : soil
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 11:55:10 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

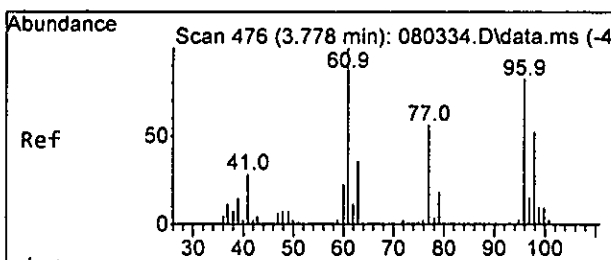
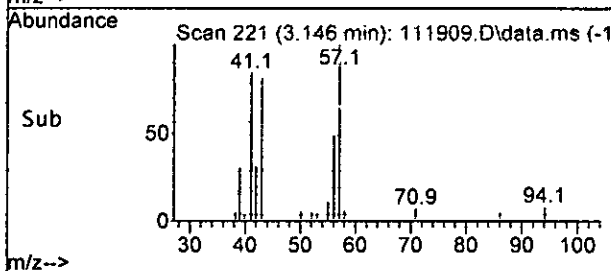
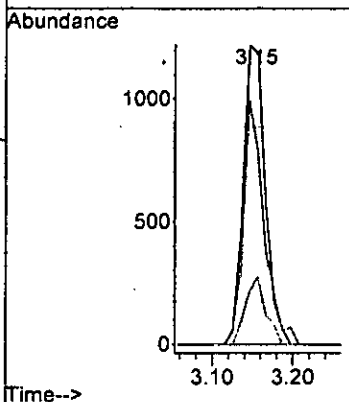
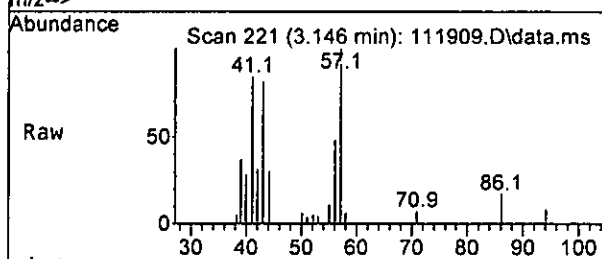




#13
Hexane
Concen: 0.653 ppb
RT: 3.15 min Scan# 221
Delta R.T. -0.011 min
Lab File: 111909.D
Acq: 19 Nov 2022 11:31 pm

Tgt Ion: 57 Resp: 2285

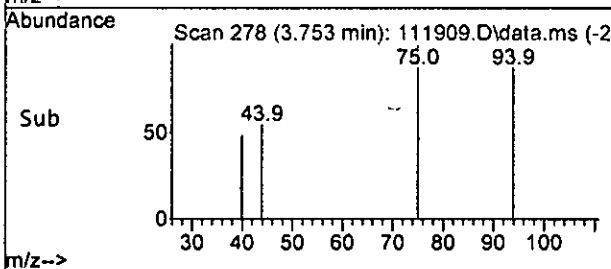
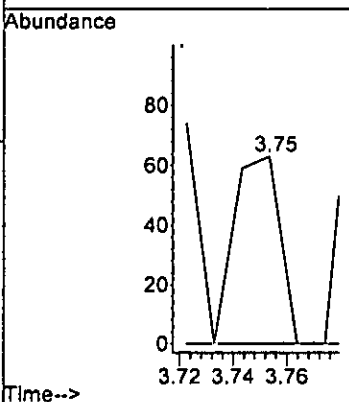
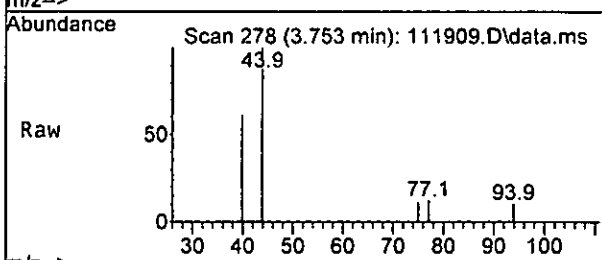
Ion	Ratio	Lower	Upper
57	100		
43	80.9	35.4	95.4
86	17.4	0.0	44.8

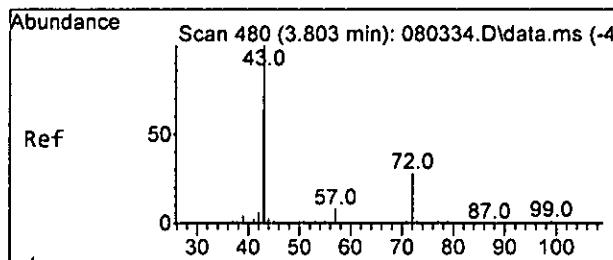


#21
2,2-Dichloropropane
Concen: Below Cal
RT: 3.75 min Scan# 278
Delta R.T. -0.022 min
Lab File: 111909.D
Acq: 19 Nov 2022 11:31 pm

Tgt Ion: 77 Resp: 75

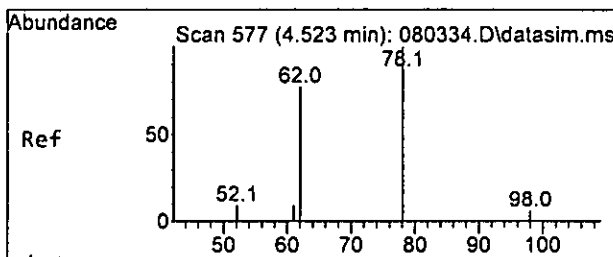
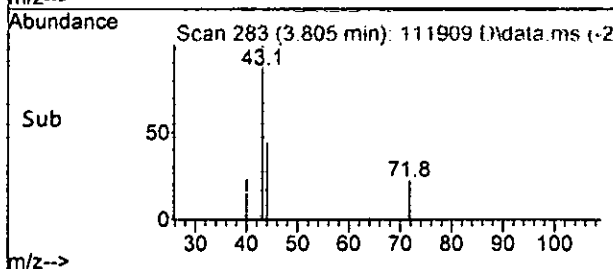
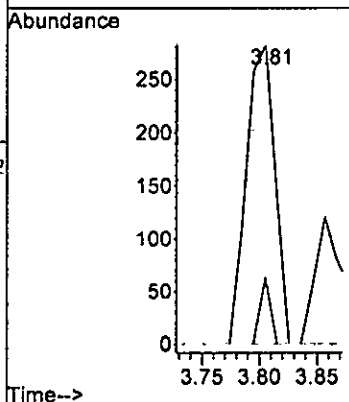
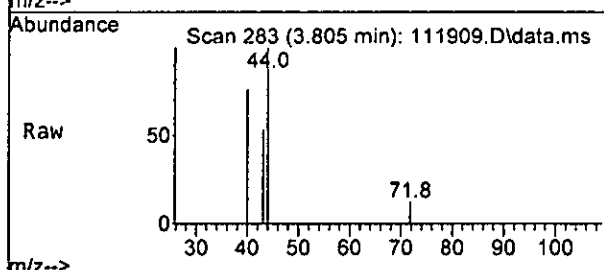
Ion	Ratio	Lower	Upper
77	100		
97	0.0	0.0	56.8





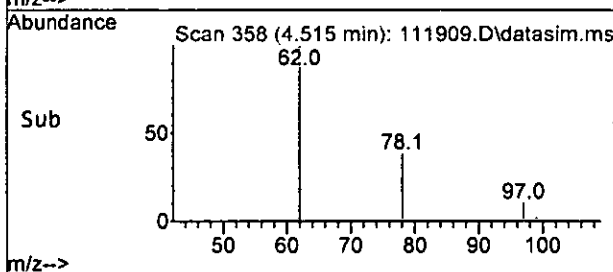
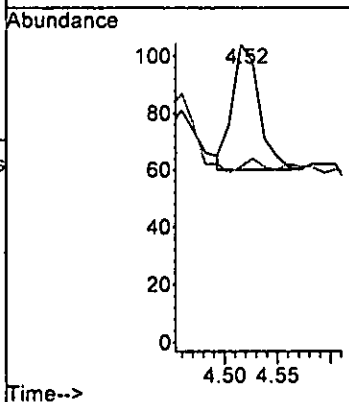
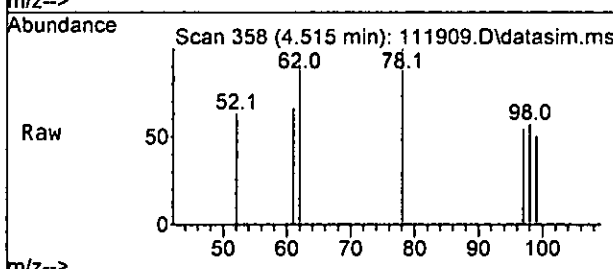
#24
 2-Butanone (MEK)
 Concen: 0.101 ppb
 RT: 3.81 min Scan# 283
 Delta R.T. 0.010 min
 Lab File: 111909.D
 Acq: 19 Nov 2022 11:31 pm

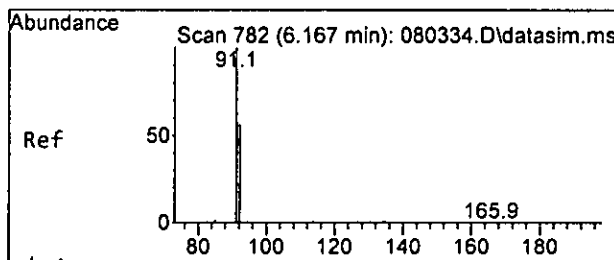
Tgt Ion	Resp	Lower	Upper
43	100		
72	22.3	0.0	57.0
57	0.0	0.0	28.0



#26
 1,2-Dichloroethane (EDC)
 Concen: Below Cal
 RT: 4.52 min Scan# 358
 Delta R.T. -0.012 min
 Lab File: 111909.D
 Acq: 19 Nov 2022 11:31 pm

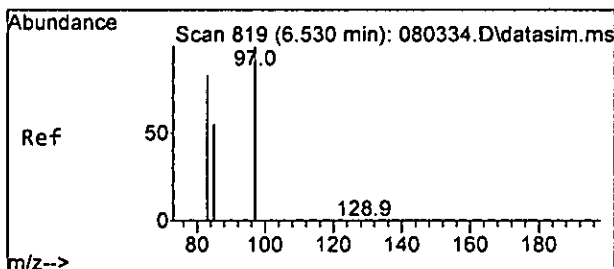
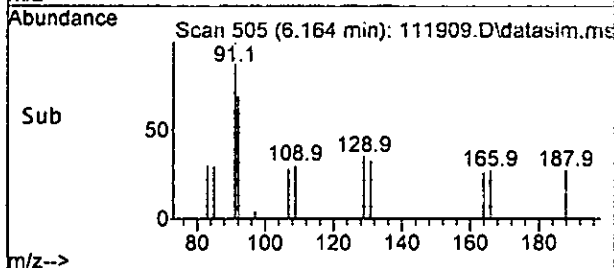
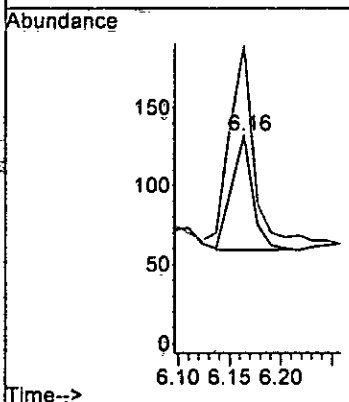
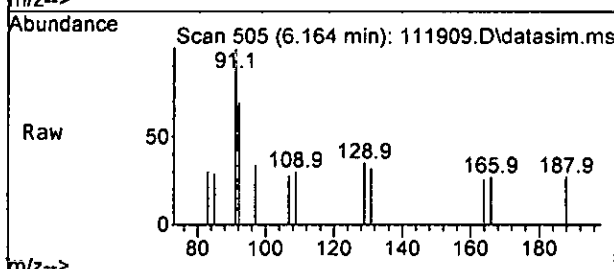
Tgt Ion	Resp	Lower	Upper
62	100		
98	0.0	0.0	40.1





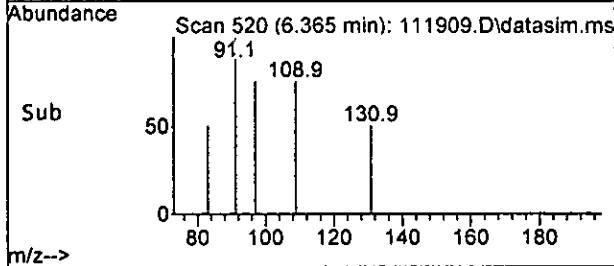
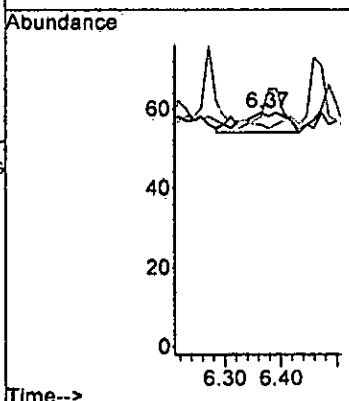
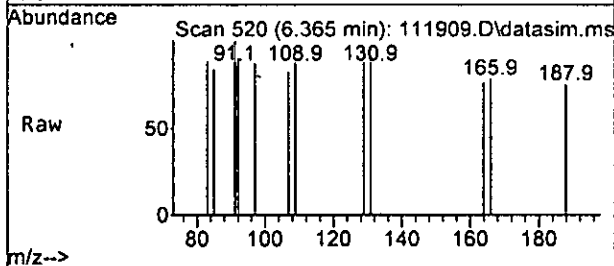
#40
 Toluene
 Concen: Below Cal
 RT: 6.16 min Scan# 505
 Delta R.T. -0.000 min
 Lab File: 111909.D
 Acq: 19 Nov 2022 11:31 pm

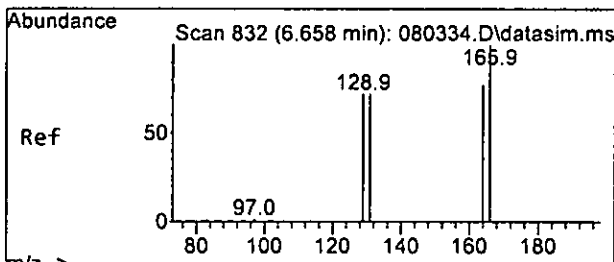
Tgt Ion: 92 Resp: 104
 Ion Ratio Lower Upper
 92 100
 91 167.1 148.5 208.5



#42
 1,1,2-Trichloroethane
 Concen: Below Cal
 RT: 6.37 min Scan# 520
 Delta R.T. -0.162 min
 Lab File: 111909.D
 Acq: 19 Nov 2022 11:31 pm

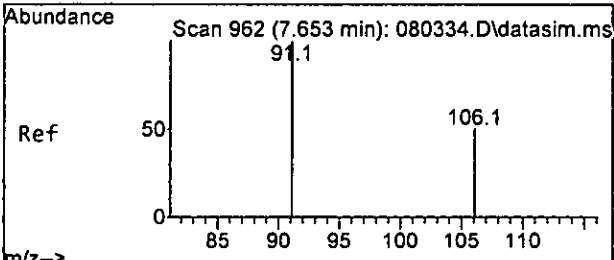
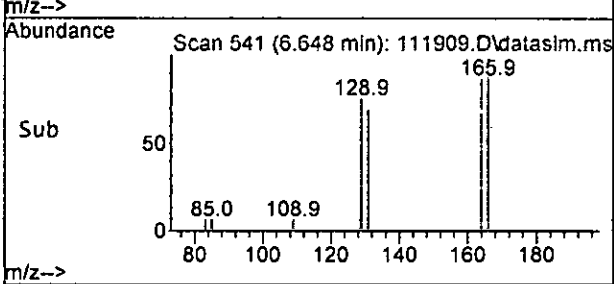
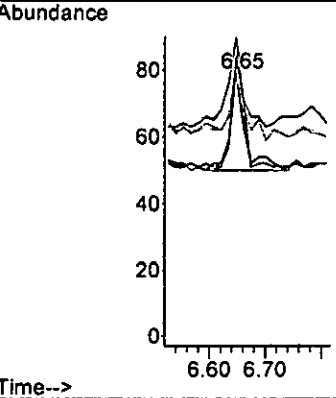
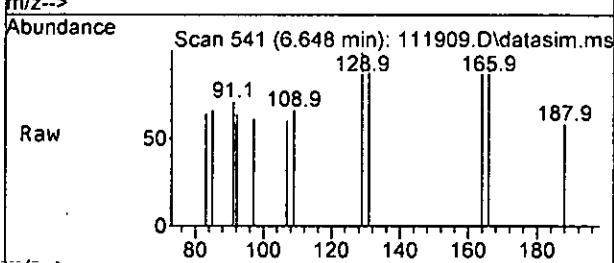
Tgt Ion: 83 Resp: 27
 Ion Ratio Lower Upper
 83 100
 97 60.0 88.0 148.0#
 85 0.0 35.3 95.3#





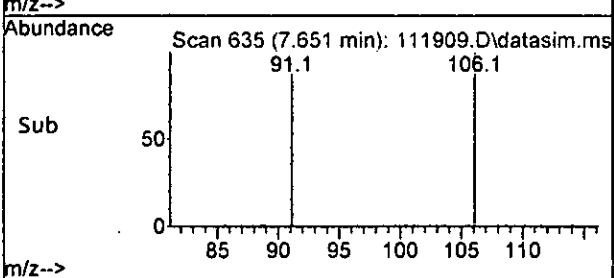
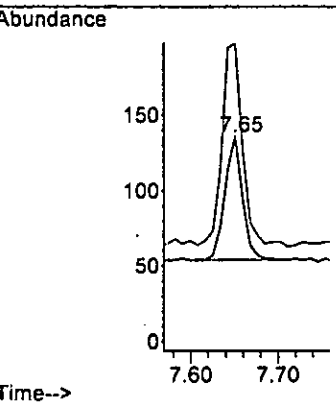
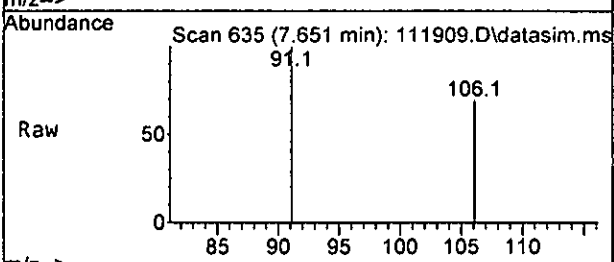
#45
 Tetrachloroethene
 Concen: Below Cal
 RT: 6.65 min Scan# 541
 Delta R.T. -0.000 min
 Lab File: 111909.D
 Acq: 19 Nov 2022 11:31 pm

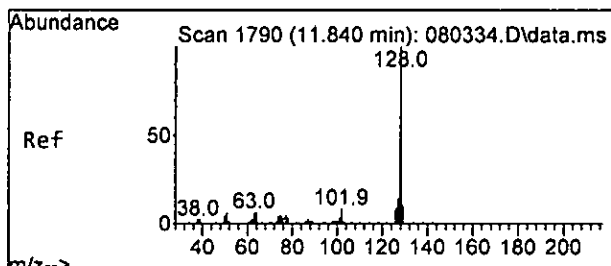
Tgt Ion:164 Resp: 56
 Ion Ratio Lower Upper
 164 100
 129 82.8 72.1 132.1
 131 82.8 64.8 124.8
 166 113.8 90.0 150.0



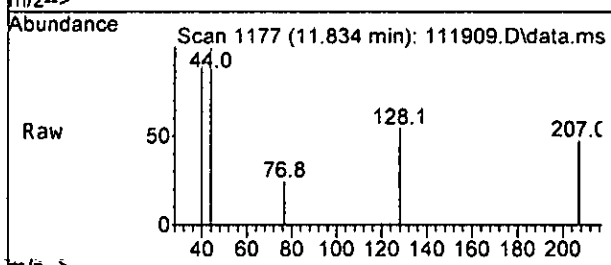
#51
 m,p-Xylene
 Concen: 0.020 ppb
 RT: 7.65 min Scan# 635
 Delta R.T. -0.000 min
 Lab File: 111909.D
 Acq: 19 Nov 2022 11:31 pm

Tgt Ion:106 Resp: 115
 Ion Ratio Lower Upper
 106 100
 91 163.4 175.7 235.7#



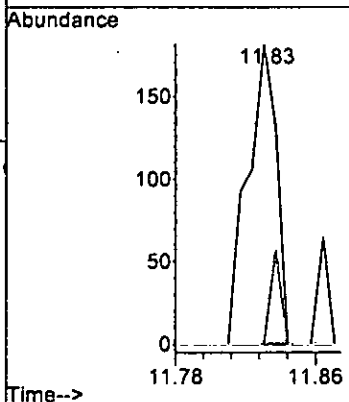
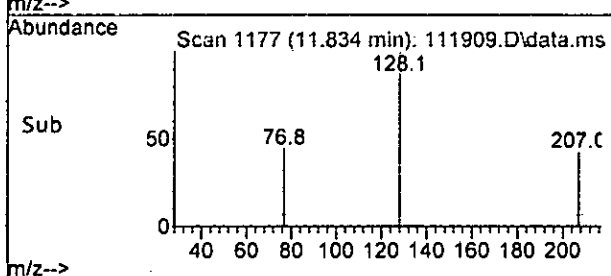


#75
 Naphthalene
 Concen: 0.098 ppb
 RT: 11.83 min Scan# 1177
 Delta R.T. -0.001 min
 Lab File: 111909.D
 Acq: 19 Nov 2022 11:31 pm



Tgt Ion: 128 Resp: 212

Ion	Ratio	Lower	Upper
128	100		
129	0.0	0.0	40.8
127	0.0	0.0	43.1



Data Path : D:\Proc_GCMS13\11-19-22\
 Data File : 111909.D
 Acq On : 19 Nov 2022 11:31 pm
 Operator : JCM
 Sample : 211274-01 1/0.25
 Misc : soil
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 11:55:10 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	4.73	96	108206	10.000	ppb	-0.01
39) Chlorobenzene-d5	7.40	117	94744	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	57258	10.000	ppb	0.00

System Monitoring Compounds						
3) Dibromofluoromethane	4.17	113	33506	9.656	ppb	0.00
Spiked Amount	10.000	Range	50 - 150	Recovery	=	96.60%
30) 1,2-Dichloroethane-d4	4.45	102	6415	9.539	ppb	0.00
Spiked Amount	10.000	Range	84 - 120	Recovery	=	95.40%
35) Toluene-d8	6.10	98	98847	9.578	ppb	0.00
Spiked Amount	10.000	Range	73 - 128	Recovery	=	95.80%
57) 4-Bromofluorobenzene	8.51	95	37391	9.477	ppb	0.00
Spiked Amount	10.000	Range	57 - 146	Recovery	=	94.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Ethanol	2.30	45	31	No Calib		
4) Dichlorodifluoromethane	1.12	85	34	N.D.		
5) Chloromethane	0.00		0	N.D.		
6) Vinyl chloride	0.00		0	N.D. d		
7) Bromomethane	0.00		0	N.D. d		
8) Chloroethane	0.00		0	N.D.		
9) Trichlorofluoromethane	0.00		0	N.D.		
10) 2-Propanol	2.30	45	31	No Calib	#	
11) Acetone	0.00		0	N.D.		
12) 1,1-Dichloroethene	0.00		0	N.D.		
13) Hexane	3.15	57	2285	0.653	ppb	83
14) Methylene chloride	2.68	84	3765	N.D.		
15) t-Butyl alcohol (TBA)	0.00		0	N.D.		
16) Methyl t-butyl ether (...)	0.00		0	N.D.		
17) trans-1,2-Dichloroethene	0.00		0	N.D.		
18) Diisopropyl ether (DIPE)	0.00		0	N.D.		
19) 1,1-Dichloroethane	0.00		0	N.D.		
20) Ethyl t-butyl ether (E...)	0.00		0	N.D.		
21) 2,2-Dichloropropane	3.75	77	75	Below Cal		48
22) cis-1,2-Dichloroethene	0.00		0	N.D.		
23) Chloroform	0.00		0	N.D.		
24) 2-Butanone (MEK)	3.81	43	485	0.101	ppb	88
25) t-Amyl methyl ether (T...)	0.00		0	N.D.		
26] 1,2-Dichloroethane (EDC)	4.52	62	77	Below Cal		73
27) 1,1,1-Trichloroethane	0.00		0	N.D.		
28) 1,1-Dichloropropene	0.00		0	N.D.		
29) Carbon tetrachloride	0.00		0	N.D.		
31) Benzene	4.50	78	54	N.D.		
32) Trichloroethene	0.00		0	N.D. d		
33) 1,2-Dichloropropane	5.28	63	74	N.D.		
34) Bromodichloromethane	0.00		0	N.D.		
36) Dibromomethane	0.00		0	N.D.		

Data Path : D:\Proc_GCMS13\11-19-22\
 Data File : 111909.D
 Acq On : 19 Nov 2022 11:31 pm
 Operator : JCM
 Sample : 211274-01 1/0.25
 Misc : soil
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

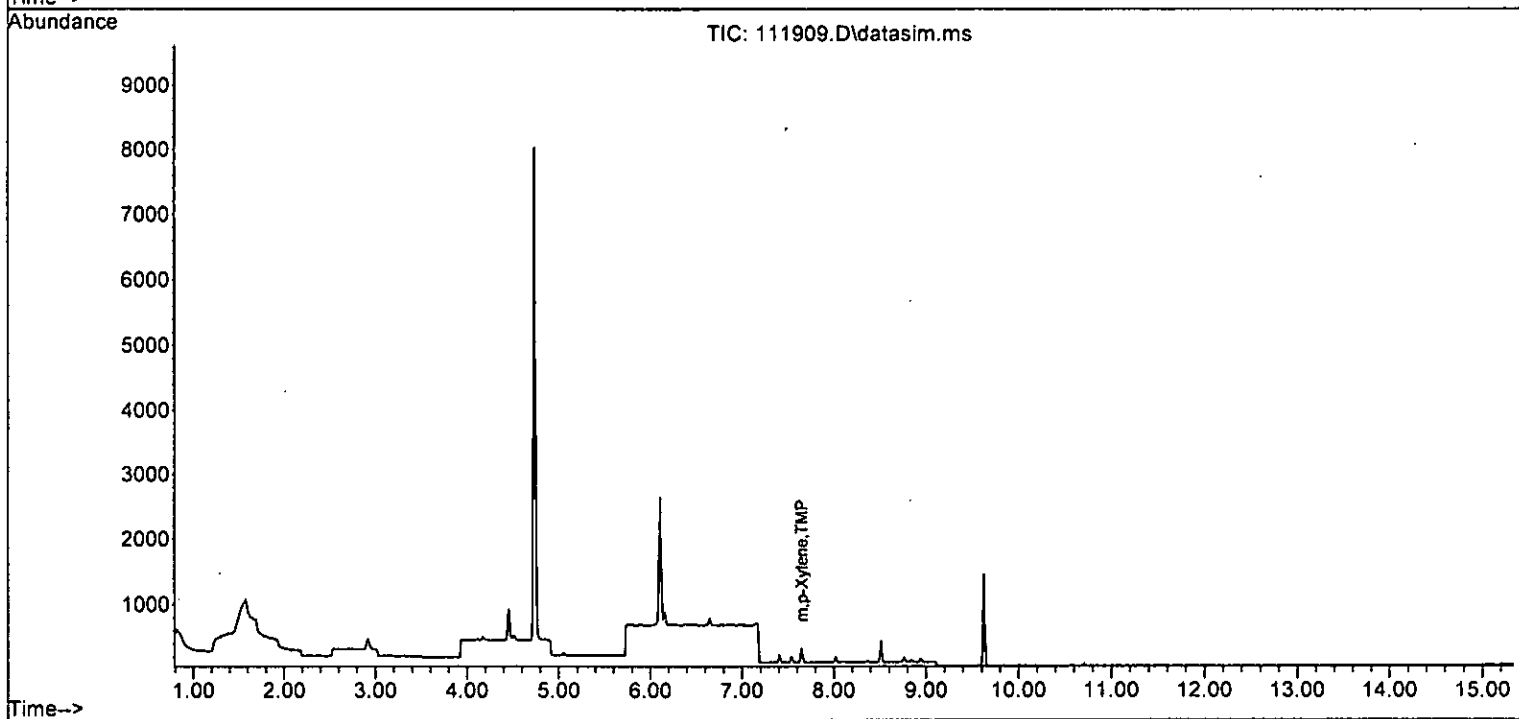
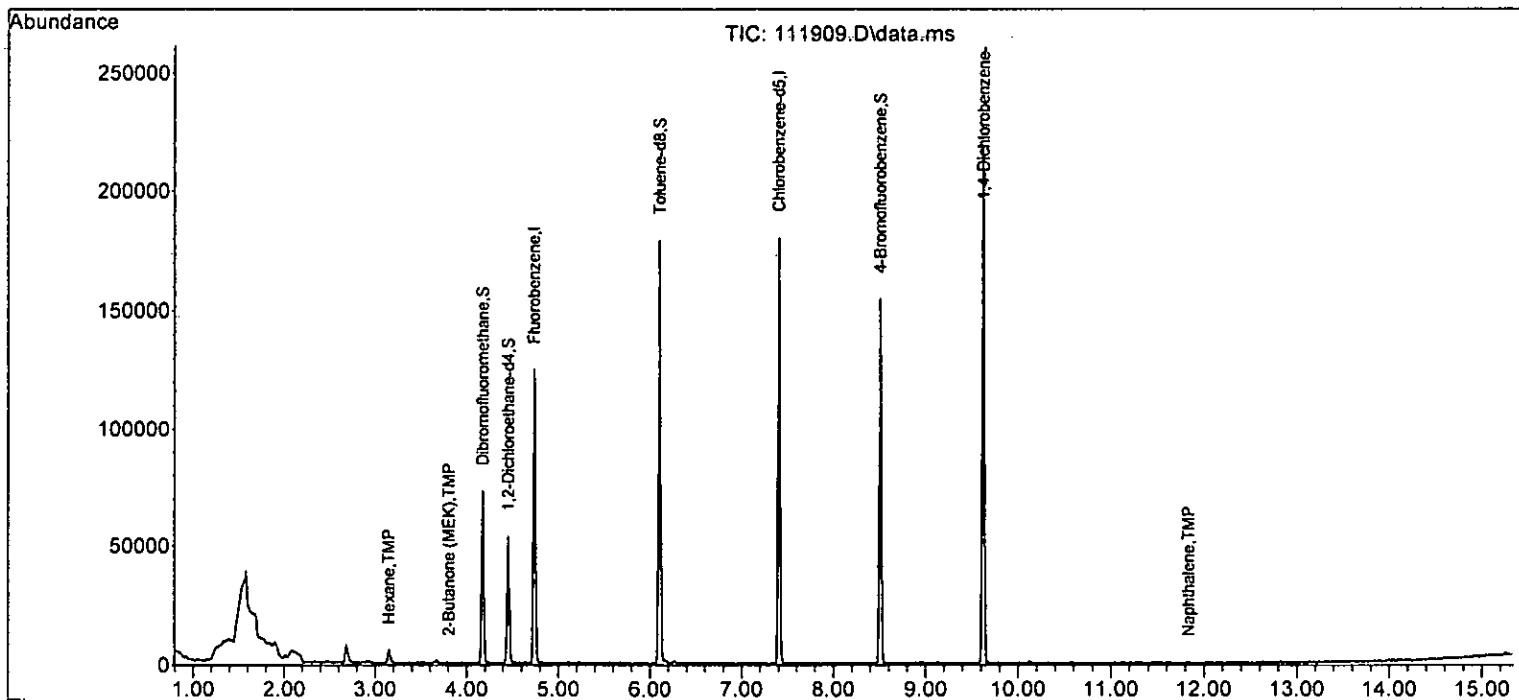
Quant Time: Nov 21 11:55:10 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.00		0	N.D.		
38) cis-1,3-Dichloropropene	0.00		0	N.D.		
40] Toluene	6.16	92	104	Below Cal		92
41) trans-1,3-Dichloropropene	0.00		0	N.D. d		
42] 1,1,2-Trichloroethane	6.37	83	27	Below Cal	#	37
43) 2-Hexanone	6.84	43	48	N.D.		
44) 1,3-Dichloropropane	0.00		0	N.D.		
45] Tetrachloroethene	6.65	164	56	Below Cal		88
46) Dibromochloromethane	0.00		0	N.D.		
47) 1,2-Dibromoethane (EDB)	0.00		0	N.D.		
48) Chlorobenzene	0.00		0	N.D.		
49) Ethylbenzene	7.54	91	98	N.D.		
50) 1,1,1,2-Tetrachloroethane	0.00		0	N.D.		
51] m,p-Xylene	7.65	106	115	0.020	ppb #	73
52) o-Xylene	8.02	106	43	N.D.		
53) Styrene	8.03	104	27	N.D.		
54) Isopropylbenzene	8.37	105	230	N.D.		
55) Bromoform	0.00		0	N.D.		
58) n-Propylbenzene	8.77	91	44	N.D.		
59) Bromobenzene	0.00		0	N.D.		
60) 1,3,5-Trimethylbenzene	8.94	105	82	N.D.		
61) 1,1,2,2-Tetrachloroethane	0.00		0	N.D.		
62) 1,2,3-Trichloropropane	8.67	75	29	N.D.		
63) 2-Chlorotoluene	8.85	91	95	N.D.		
64) 4-Chlorotoluene	8.96	91	59	N.D.		
65) tert-Butylbenzene	0.00		0	N.D.		
66) 1,2,4-Trimethylbenzene	9.30	105	191	N.D.		
67) sec-Butylbenzene	9.46	105	22	N.D.		
68) p-Isopropyltoluene	9.60	119	125	N.D.		
69) 1,3-Dichlorobenzene	9.56	146	46	N.D.		
70) 1,4-Dichlorobenzene	9.56	146	46	N.D.		
71) 1,2-Dichlorobenzene	0.00		0	N.D.		
72) 1,2-Dibromo-3-chloropr...	0.00		0	N.D.		
73) 1,2,4-Trichlorobenzene	11.59	180	51	N.D.		
74) Hexachlorobutadiene	0.00		0	N.D.		
75) Naphthalene	11.83	128	212	0.098	ppb	69
76) 1,2,3-Trichlorobenzene	12.08	180	57	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS13\11-19-22\
 Data File : 111909.D
 Acq On : 19 Nov 2022 11:31 pm
 Operator : JCM
 Sample : 211274-01 1/0.25
 Misc : soil
 ALS Vial : 4 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 11:55:10 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



Data Path : D:\Proc_GCMS13\11-19-22\
 Data File : 111910.D
 Acq On : 19 Nov 2022 11:54 pm
 Operator : JCM
 Sample : 211274-02 1/0.25
 Misc : soil
 ALS Vial : 5 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 11:55:12 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

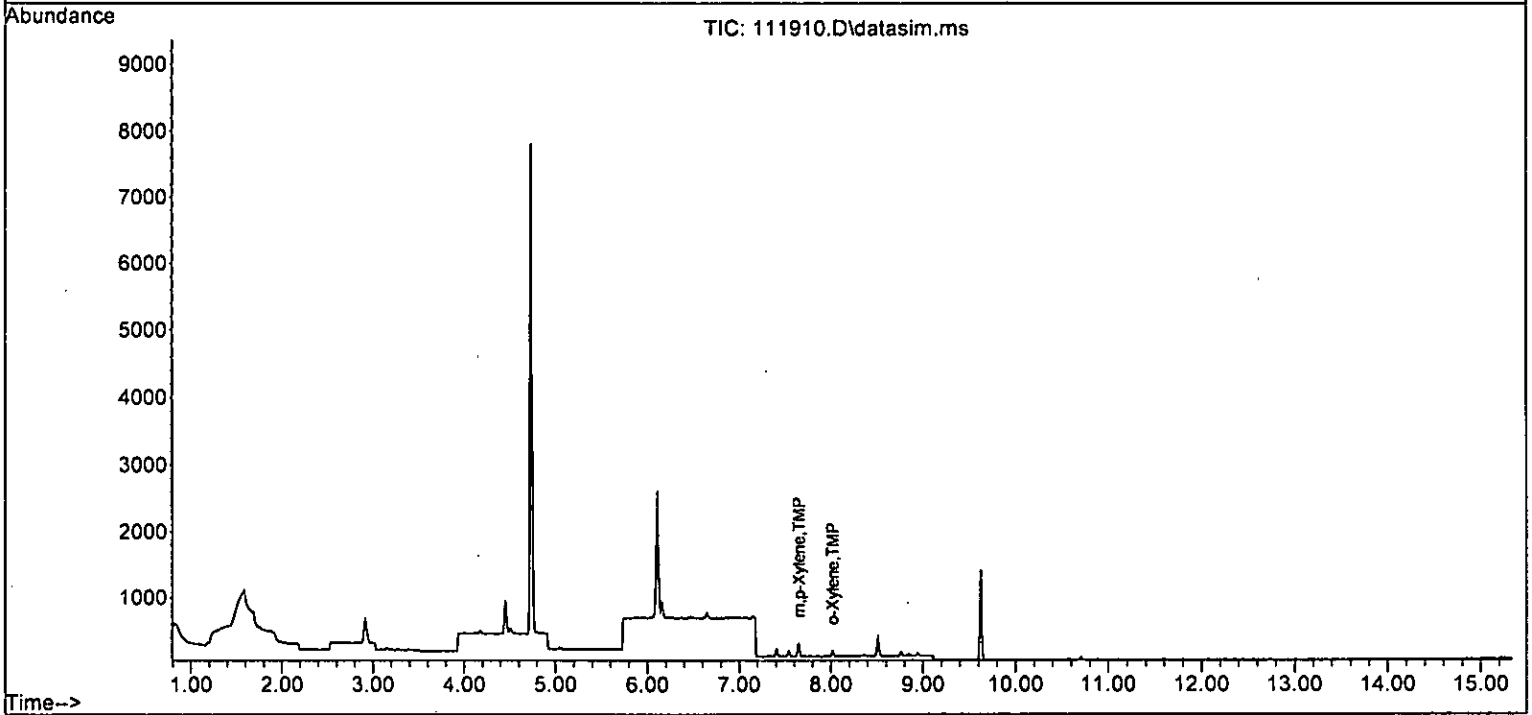
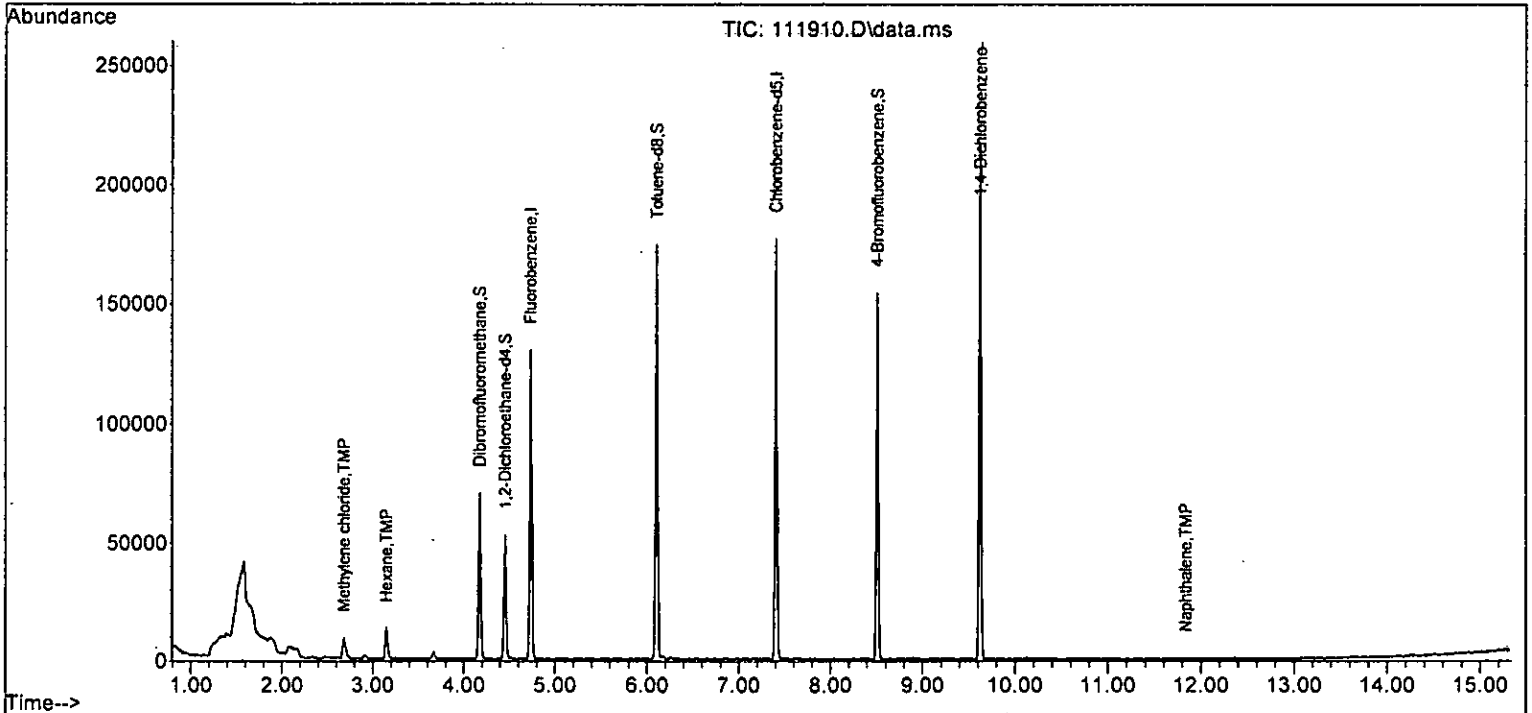
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

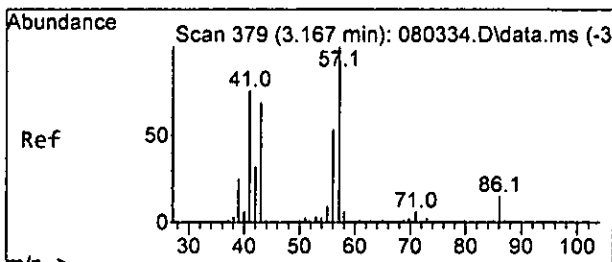
Internal Standards						
1) Fluorobenzene	4.73	96	107291	10.000	ppb	-0.01
39) Chlorobenzene-d5	7.40	117	92938	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	56317	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.17	113	33095	9.619	ppb	0.00
Spiked Amount	10.000	Range	50 - 150	Recovery	=	96.20%
30) 1,2-Dichloroethane-d4	4.45	102	6040	9.058	ppb	0.00
Spiked Amount	10.000	Range	84 - 120	Recovery	=	90.60%
35) Toluene-d8	6.11	98	96911	9.471	ppb	0.00
Spiked Amount	10.000	Range	73 - 128	Recovery	=	94.70%
57) 4-Bromofluorobenzene	8.51	95	37795	9.740	ppb	0.00
Spiked Amount	10.000	Range	57 - 146	Recovery	=	97.40%
Target Compounds						
						Qvalue
13) Hexane	3.15	57	4994	1.440	ppb	91
14) Methylene chloride	2.68	84	4743	0.443	ppb	89
26] 1,2-Dichloroethane (EDC)	4.52	62	74	Below Cal		95
42] 1,1,2-Trichloroethane	6.39	83	20	Below Cal	#	43
45] Tetrachloroethene	6.65	164	31	Below Cal		87
51] m,p-Xylene	7.65	106	109	0.019	ppb	# 71
52] o-Xylene	8.02	106	56	0.010	ppb	# 72
75) Naphthalene	11.83	128	197	0.097	ppb	69

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS13\11-19-22\
 Data File : 111910.D
 Acq On : 19 Nov 2022 11:54 pm
 Operator : JCM
 Sample : 211274-02 1/0.25
 Misc : soil
 ALS Vial : 5 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 11:55:12 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

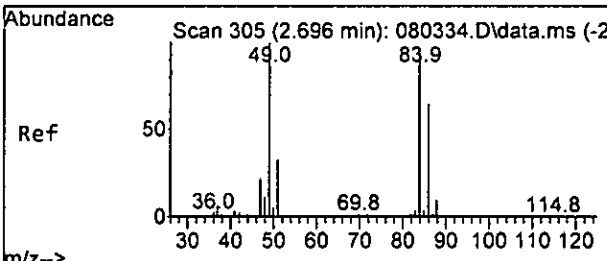
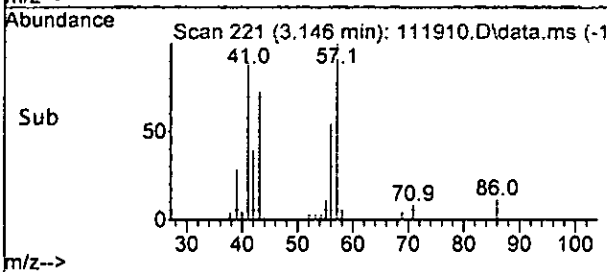
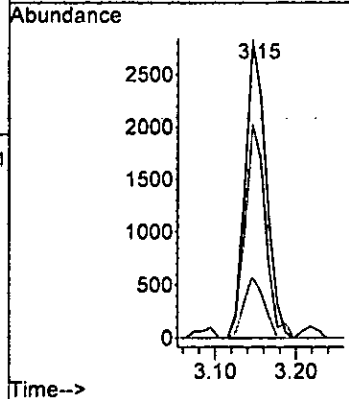
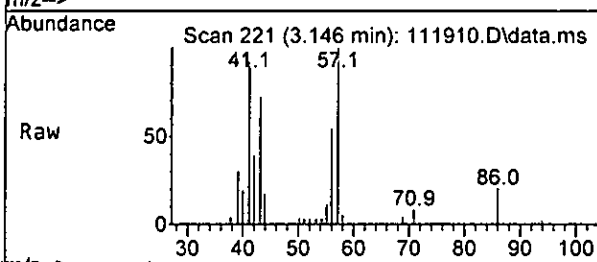




#13
 Hexane
 Concen: 1.440 ppb
 RT: 3.15 min Scan# 221
 Delta R.T. -0.011 min
 Lab File: 111910.D
 Acq: 19 Nov 2022 11:54 pm

Tgt Ion: 57 Resp: 4994

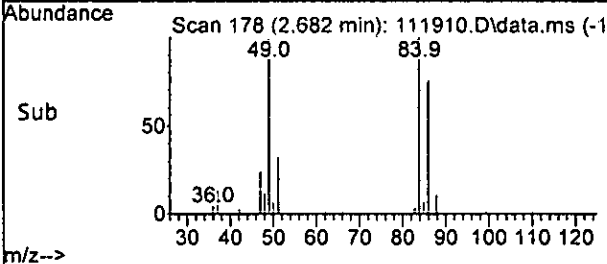
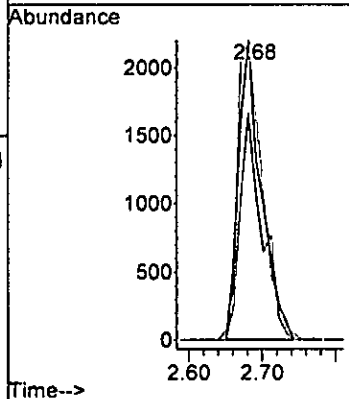
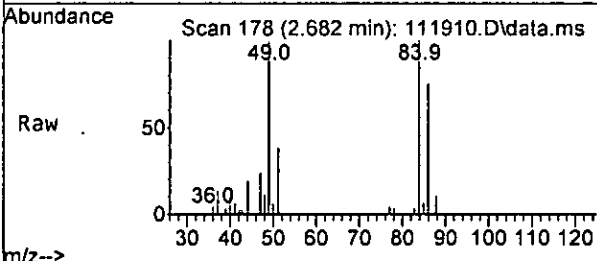
Ion	Ratio	Lower	Upper
57	100		
43	71.5	35.4	95.4
86	20.3	0.0	44.8

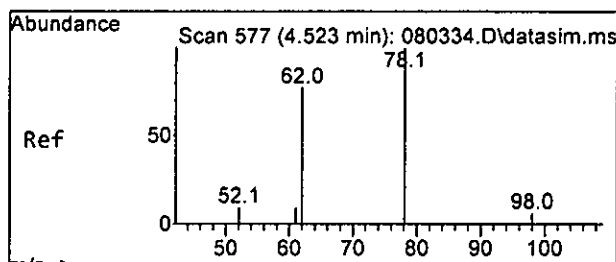


#14
 Methylene chloride
 Concen: 0.443 ppb
 RT: 2.68 min Scan# 178
 Delta R.T. -0.000 min
 Lab File: 111910.D
 Acq: 19 Nov 2022 11:54 pm

Tgt Ion: 84 Resp: 4743

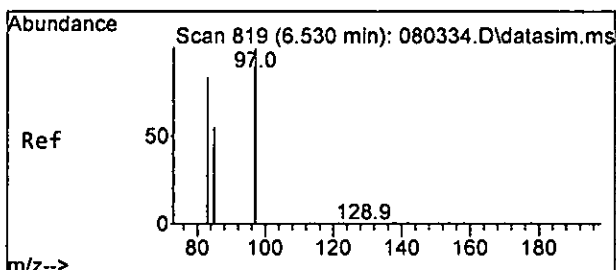
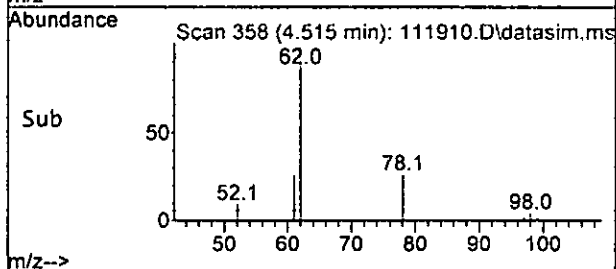
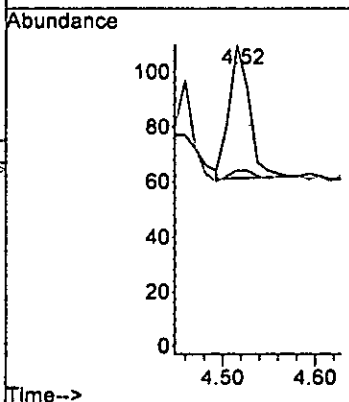
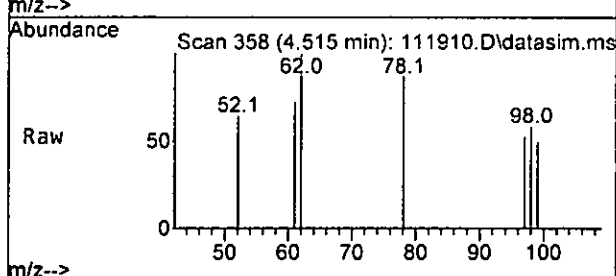
Ion	Ratio	Lower	Upper
84	100		
86	75.2	37.1	97.1
49	99.2	81.3	141.3





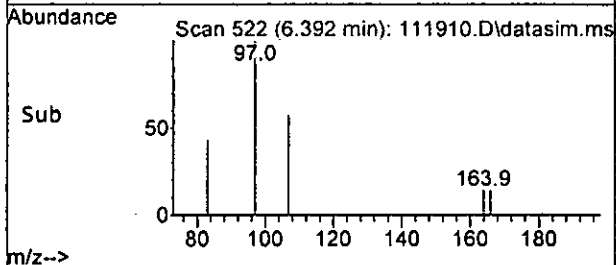
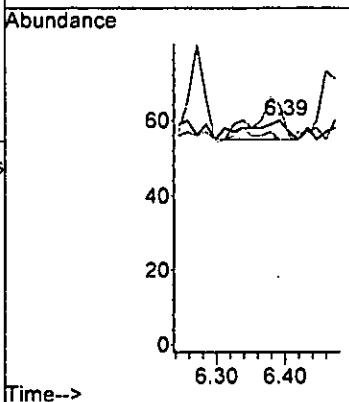
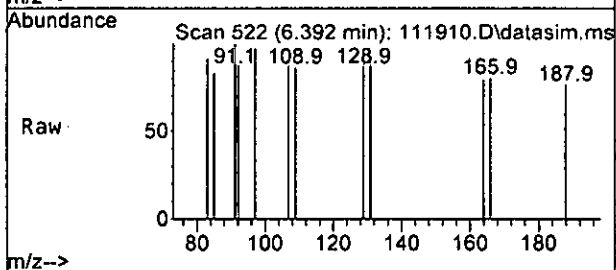
#26
 1,2-Dichloroethane (EDC)
 Concen: Below Cal
 RT: 4.52 min Scan# 358
 Delta R.T. -0.012 min
 Lab File: 111910.D
 Acq: 19 Nov 2022 11:54 pm

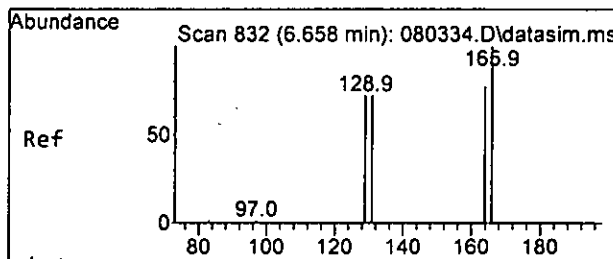
Tgt Ion: 62 Resp: 74
 Ion Ratio Lower Upper
 62 100
 98 8.3 0.0 40.1



#42
 1,1,2-Trichloroethane
 Concen: Below Cal
 RT: 6.39 min Scan# 522
 Delta R.T. -0.135 min
 Lab File: 111910.D
 Acq: 19 Nov 2022 11:54 pm

Tgt Ion: 83 Resp: 20
 Ion Ratio Lower Upper
 83 100
 97 180.0 88.0 148.0#
 85 20.0 35.3 95.3#

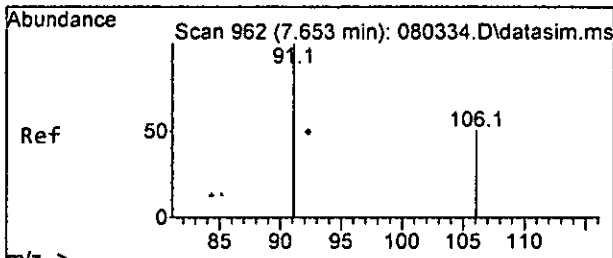
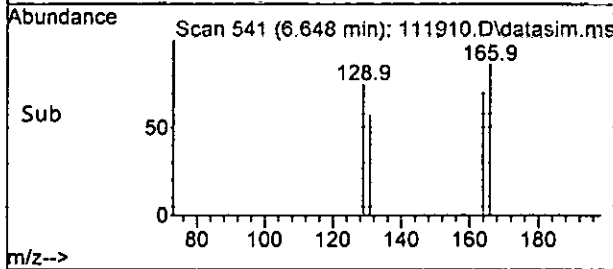
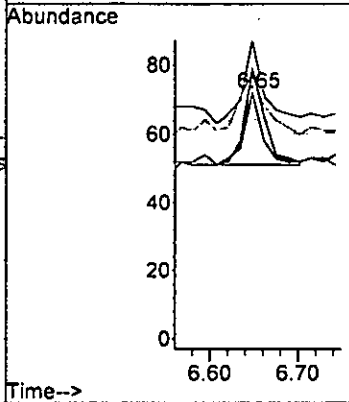
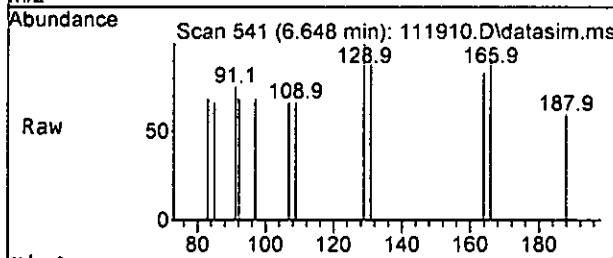




#45
 Tetrachloroethene
 Concen: Below Cal
 RT: 6.65 min Scan# 541
 Delta R.T. -0.000 min
 Lab File: 111910.D
 Acq: 19 Nov 2022 11:54 pm

Tgt Ion: 164 Resp: 31

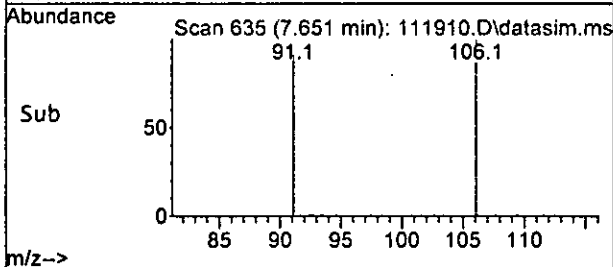
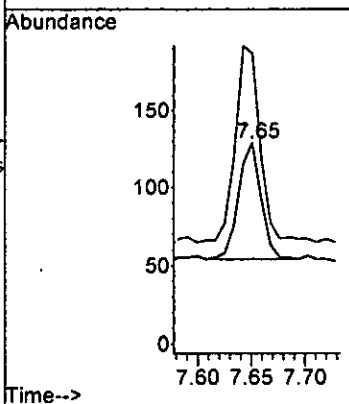
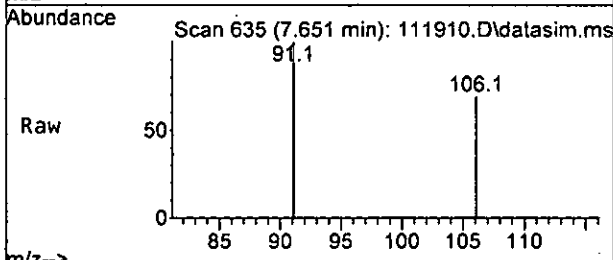
Ion	Ratio	Lower	Upper
164	100		
129	114.3	72.1	132.1
131	81.0	64.8	124.8
166	133.3	90.0	150.0

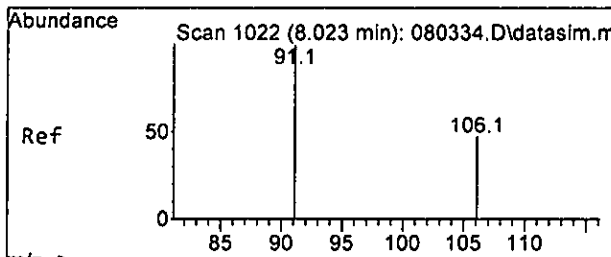


#51
 m,p-Xylene
 Concen: 0.019 ppb
 RT: 7.65 min Scan# 635
 Delta R.T. -0.000 min
 Lab File: 111910.D
 Acq: 19 Nov 2022 11:54 pm

Tgt Ion: 106 Resp: 109

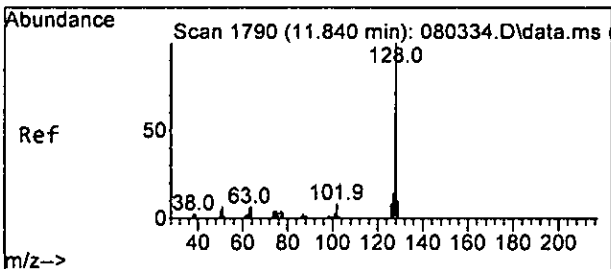
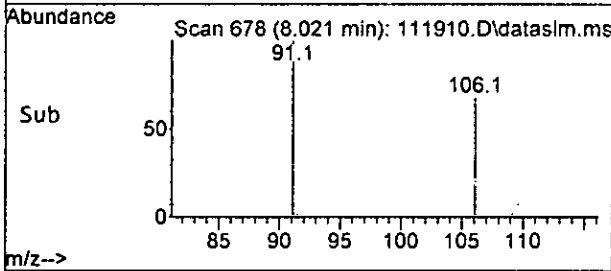
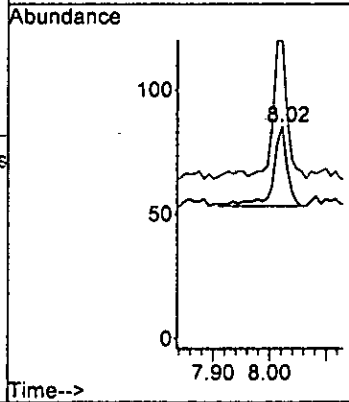
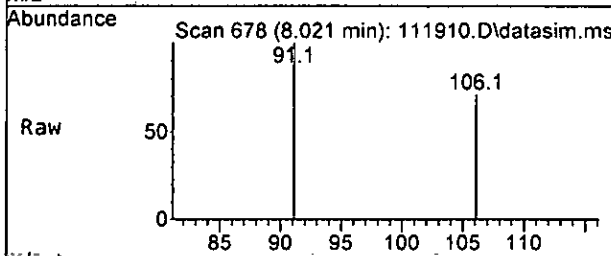
Ion	Ratio	Lower	Upper
106	100		
91	161.3	175.7	235.7#





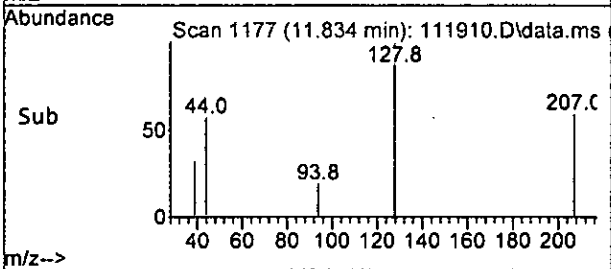
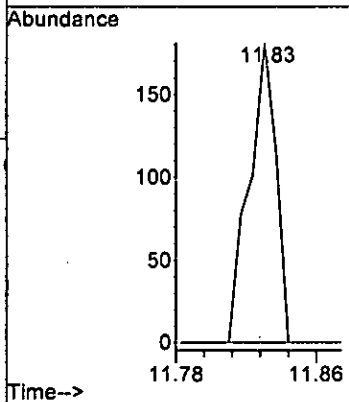
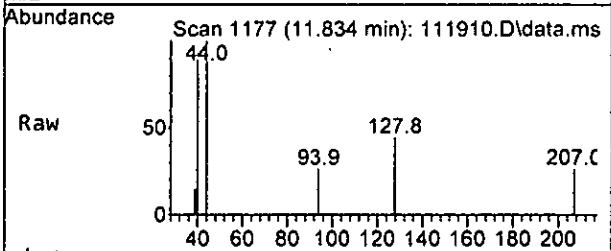
#52
o-Xylene
Concen: 0.010 ppb
RT: 8.02 min Scan# 678
Delta R.T. -0.001 min
Lab File: 111910.D
Acq: 19 Nov 2022 11:54 pm

Tgt Ion: 106 Resp: 56
Ion Ratio Lower Upper
106 100
91 171.9 186.4 246.4#



#75
Naphthalene
Concen: 0.097 ppb
RT: 11.83 min Scan# 1177
Delta R.T. -0.001 min
Lab File: 111910.D
Acq: 19 Nov 2022 11:54 pm

Tgt Ion: 128 Resp: 197
Ion Ratio Lower Upper
128 100
129 0.0 0.0 40.8
127 0.0 0.0 43.1



Data Path : D:\Proc_GCMS13\11-19-22\
 Data File : 111910.D
 Acq On : 19 Nov 2022 11:54 pm
 Operator : JCM
 Sample : 211274-02 1/0.25
 Misc : soil
 ALS Vial : 5 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 11:55:12 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 Qlast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	Qvalue
Internal Standards							
1) Fluorobenzene	4.73	96	107291	10.000	ppb	-0.01	
39) Chlorobenzene-d5	7.40	117	92938	10.000	ppb	0.00	
56) 1,4-Dichlorobenzene-d4	9.62	152	56317	10.000	ppb	0.00	
System Monitoring Compounds							
3) Dibromofluoromethane	4.17	113	33095	9.619	ppb	0.00	
Spiked Amount	10.000	Range 50 - 150	Recovery	=	96.20%		
30) 1,2-Dichloroethane-d4	4.45	102	6040	9.058	ppb	0.00	
Spiked Amount	10.000	Range 84 - 120	Recovery	=	90.60%		
35) Toluene-d8	6.11	98	96911	9.471	ppb	0.00	
Spiked Amount	10.000	Range 73 - 128	Recovery	=	94.70%		
57) 4-Bromofluorobenzene	8.51	95	37795	9.740	ppb	0.00	
Spiked Amount	10.000	Range 57 - 146	Recovery	=	97.40%		
Target Compounds							
2) Ethanol	2.32	45	280	No Calib			
4) Dichlorodifluoromethane	0.00		0	N.D.			
5) Chloromethane	0.00		0	N.D.			
6) Vinyl chloride	0.00		0	N.D.			
7) Bromomethane	0.00		0	N.D. d			
8) Chloroethane	0.00		0	N.D.			
9) Trichlorofluoromethane	1.86	101	41	N.D.			
10) 2-Propanol	2.32	45	280	No Calib #			
11) Acetone	0.00		0	N.D.			
12) 1,1-Dichloroethene	0.00		0	N.D. d			
13) Hexane	3.15	57	4994	1.440	ppb	91	
14) Methylene chloride	2.68	84	4743	0.443	ppb	89	
15) t-Butyl alcohol (TBA)	0.00		0	N.D.			
16) Methyl t-butyl ether (...)	0.00		0	N.D.			
17) trans-1,2-Dichloroethene	0.00		0	N.D.			
18) Diisopropyl ether (DIPE)	0.00		0	N.D.			
19) 1,1-Dichloroethane	0.00		0	N.D.			
20) Ethyl t-butyl ether (E...)	0.00		0	N.D.			
21) 2,2-Dichloropropane	3.78	77	108	N.D.			
22) cis-1,2-Dichloroethene	0.00		0	N.D.			
23) Chloroform	0.00		0	N.D.			
24) 2-Butanone (MEK)	0.00		0	N.D. d			
25) t-Amyl methyl ether (T...)	0.00		0	N.D.			
26] 1,2-Dichloroethane (EDC)	4.52	62	74	Below Cal		95	
27) 1,1,1-Trichloroethane	0.00		0	N.D.			
28) 1,1-Dichloropropene	0.00		0	N.D.			
29) Carbon tetrachloride	0.00		0	N.D.			
31) Benzene	4.50	78	58	N.D.			
32) Trichloroethene	0.00		0	N.D. d			
33) 1,2-Dichloropropane	5.22	63	45	N.D.			
34) Bromodichloromethane	0.00		0	N.D.			
36) Dibromomethane	0.00		0	N.D.			

Data Path : D:\Proc_GCMS13\11-19-22\
 Data File : 111910.D
 Acq On : 19 Nov 2022 11:54 pm
 Operator : JCM
 Sample : 211274-02 1/0.25
 Misc : soil
 ALS Vial : 5 Sample Multiplier: 1
 InstName : GCMS13

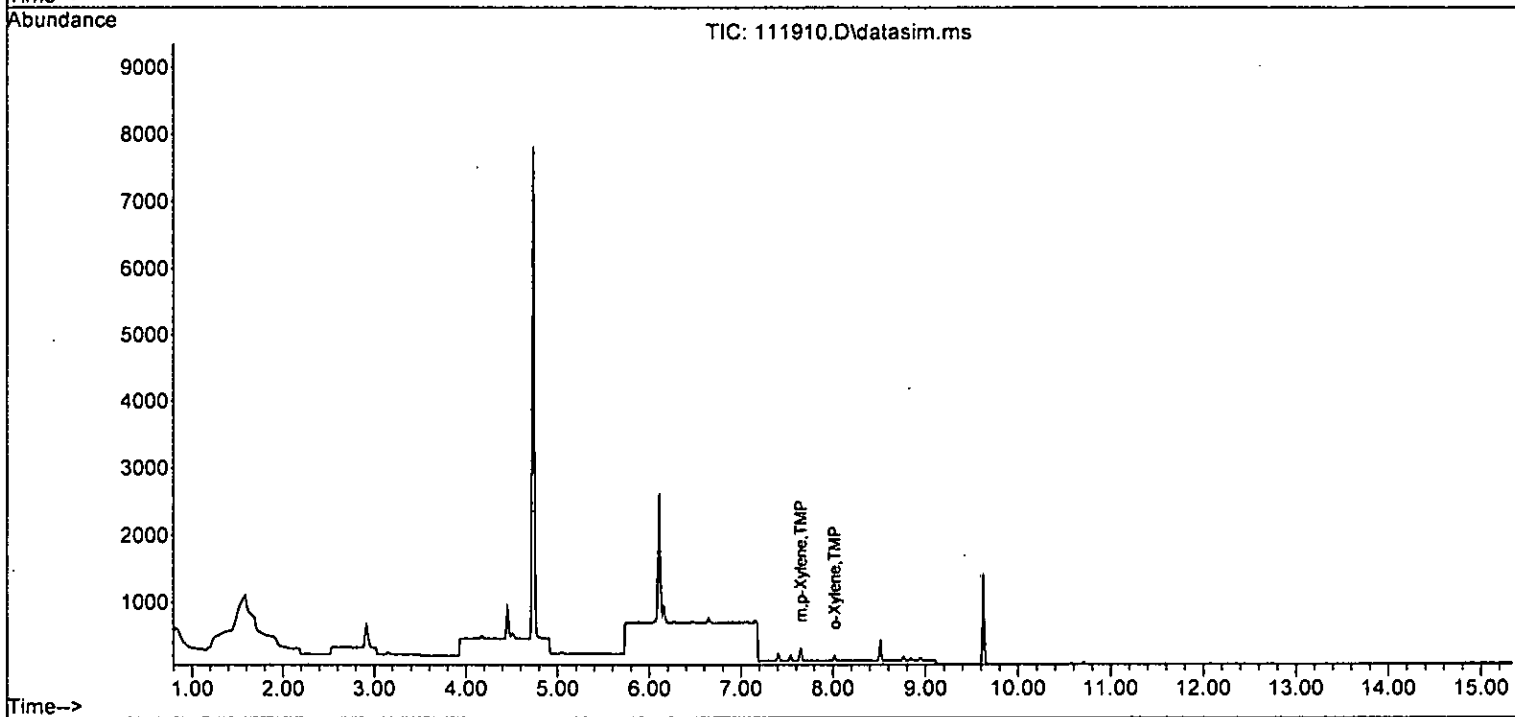
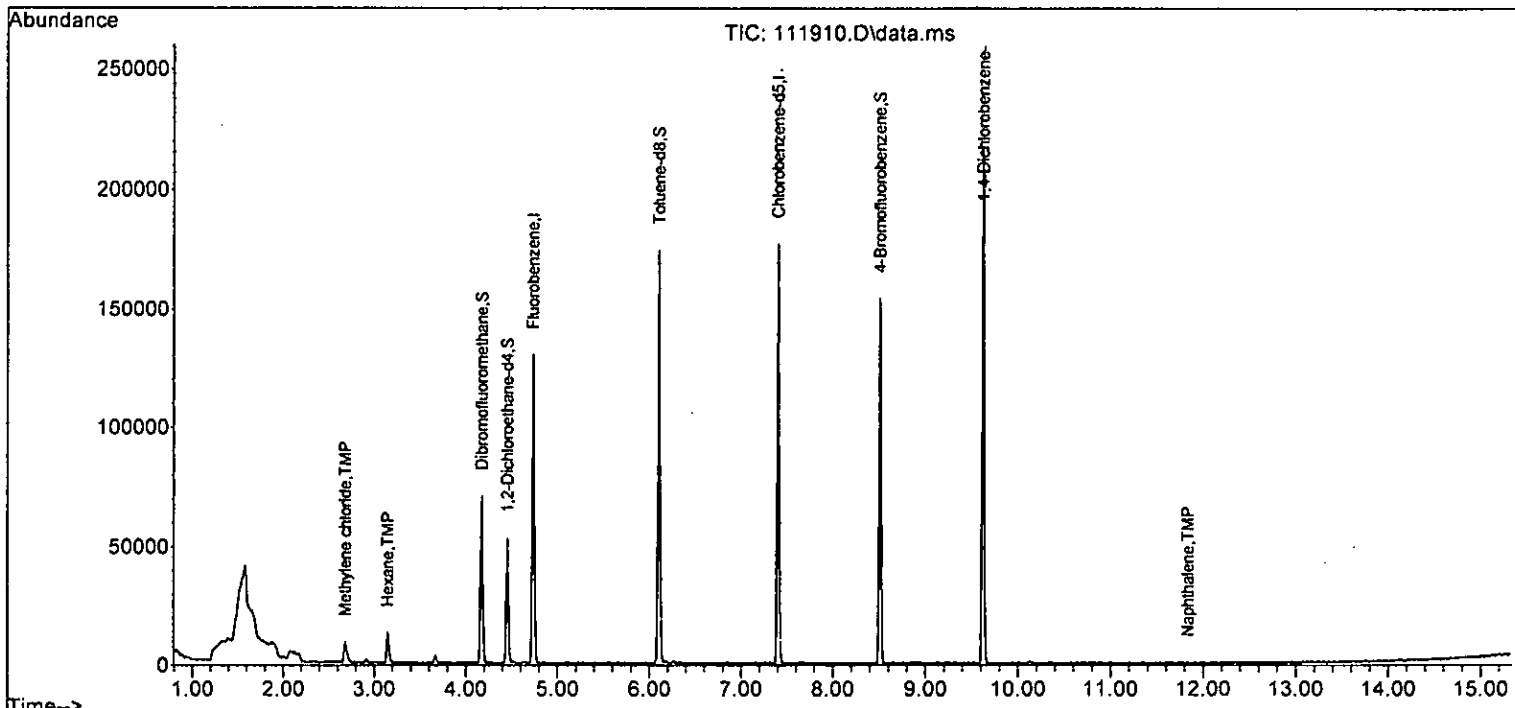
Quant Time: Nov 21 11:55:12 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.00		0		N.D.	
38) cis-1,3-Dichloropropene	0.00		0		N.D.	
40) Toluene	6.16	92	145		N.D.	
41) trans-1,3-Dichloropropene	0.00		0		N.D.	
42] 1,1,2-Trichloroethane	6.39	83	20	Below Cal	#	43
43) 2-Hexanone	6.78	43	98		N.D.	
44) 1,3-Dichloropropane	0.00		0		N.D.	
45] Tetrachloroethene	6.65	164	31	Below Cal		87
46) Dibromochloromethane	0.00		0		N.D.	
47) 1,2-Dibromoethane (EDB)	0.00		0		N.D.	
48) Chlorobenzene	0.00		0		N.D.	
49) Ethylbenzene	7.54	91	100		N.D.	
50) 1,1,1,2-Tetrachloroethane	0.00		0		N.D.	
51] m,p-Xylene	7.65	106	109	0.019	ppb #	71
52] o-Xylene	8.02	106	56	0.010	ppb #	72
53) Styrene	0.00		0		N.D.	
54) Isopropylbenzene	8.37	105	171		N.D.	
55) Bromoform	0.00		0		N.D.	
58) n-Propylbenzene	8.76	91	28		N.D.	
59) Bromobenzene	0.00		0		N.D.	
60) 1,3,5-Trimethylbenzene	8.94	105	76		N.D.	
61) 1,1,2,2-Tetrachloroethane	0.00		0		N.D.	
62) 1,2,3-Trichloropropane	8.89	75	32		N.D.	
63) 2-Chlorotoluene	8.76	91	28		N.D.	
64) 4-Chlorotoluene	8.76	91	28		N.D.	
65) tert-Butylbenzene	0.00		0		N.D.	
66) 1,2,4-Trimethylbenzene	9.29	105	191		N.D.	
67) sec-Butylbenzene	9.46	105	108		N.D.	
68) p-Isopropyltoluene	9.60	119	122		N.D.	
69) 1,3-Dichlorobenzene	9.65	146	28		N.D.	
70) 1,4-Dichlorobenzene	9.65	146	28		N.D.	
71) 1,2-Dichlorobenzene	0.00		0		N.D.	
72) 1,2-Dibromo-3-chloropr...	0.00		0		N.D.	
73) 1,2,4-Trichlorobenzene	0.00		0		N.D.	
74) Hexachlorobutadiene	0.00		0		N.D.	
75) Naphthalene	11.83	128	197	0.097	ppb	69
76) 1,2,3-Trichlorobenzene	0.00		0		N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS13\11-19-22\
 Data File : 111910.D
 Acq On : 19 Nov 2022 11:54 pm
 Operator : JCM
 Sample : 211274-02 1/0.25
 Misc : soil
 ALS Vial : 5 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 11:55:12 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



Data Path : D:\Proc_GCMS13\11-19-22\
 Data File : 111911.D
 Acq On : 20 Nov 2022 12:17 am
 Operator : JCM
 Sample : 211274-03 1/0.25
 Misc : soil
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 11:55:14 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

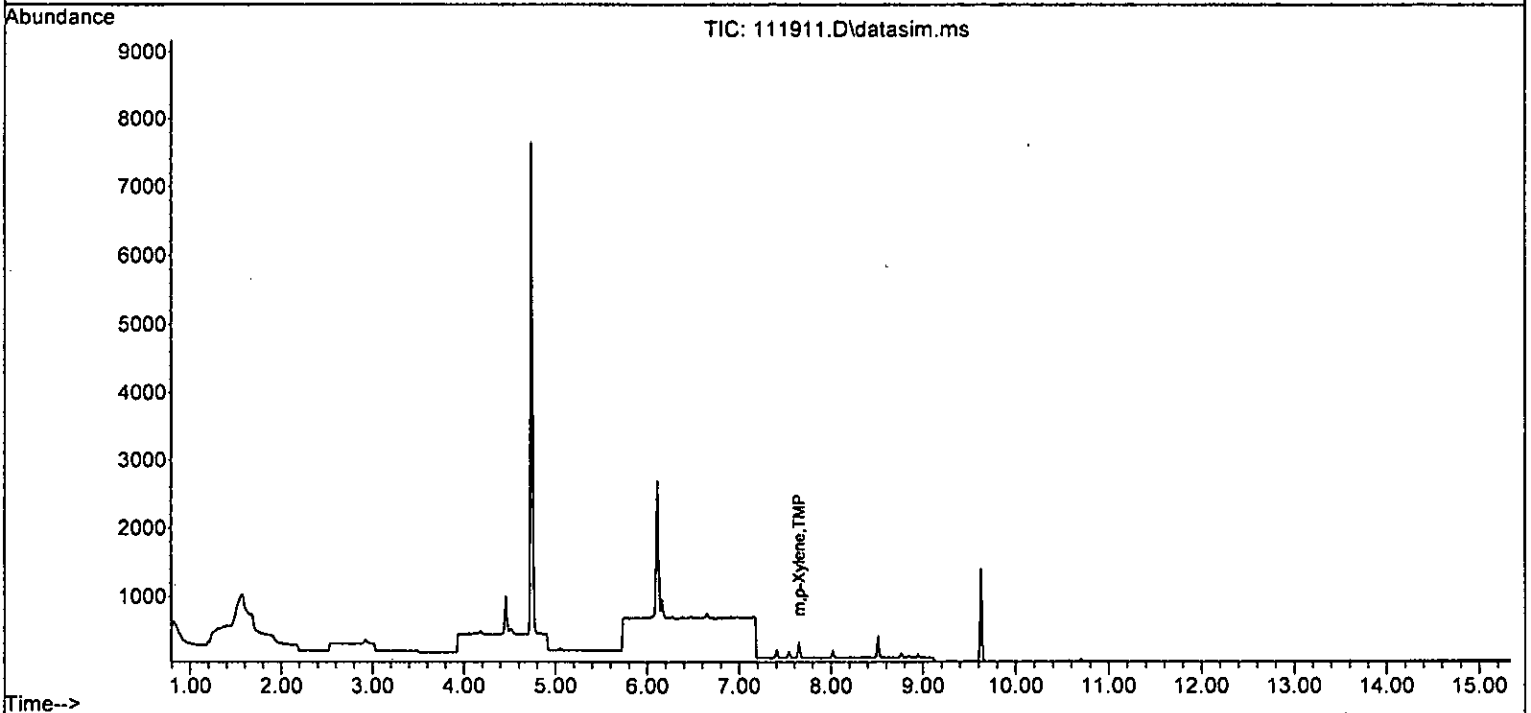
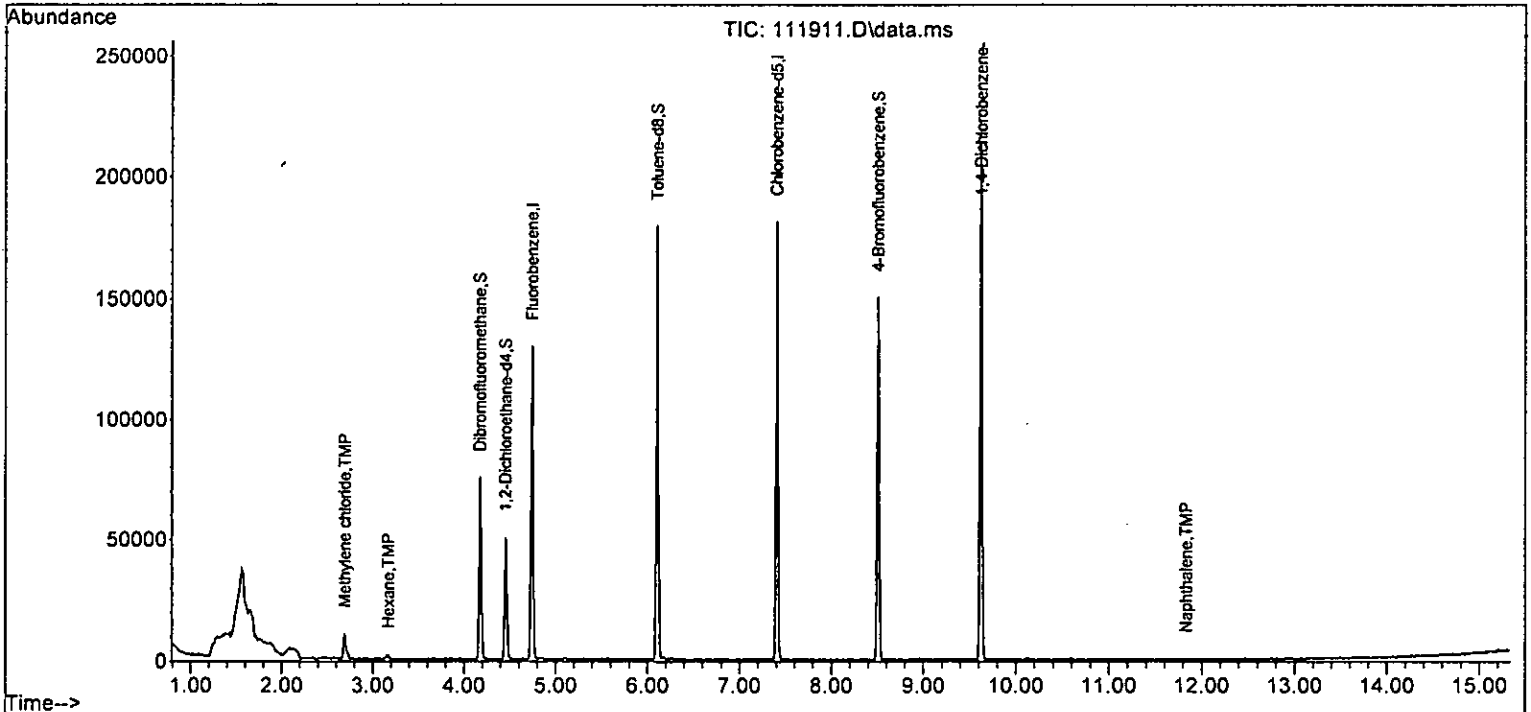
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

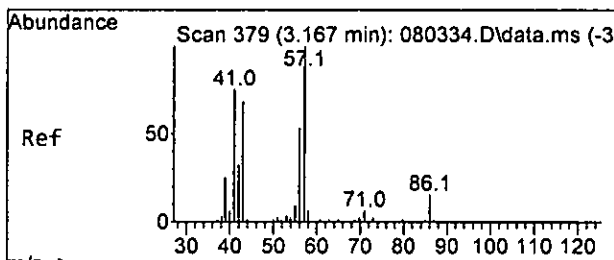
Internal Standards						
1) Fluorobenzene	4.75	96	100314	10.000	ppb	0.00
39) Chlorobenzene-d5	7.40	117	94264	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	56660	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.18	113	34072	10.591	ppb	0.00
Spiked Amount	10.000	Range 50 - 150	Recovery	=	105.90%	
30) 1,2-Dichloroethane-d4	4.45	102	6136	9.842	ppb	0.00
Spiked Amount	10.000	Range 84 - 120	Recovery	=	98.40%	
35) Toluene-d8	6.11	98	96121	10.047	ppb	0.00
Spiked Amount	10.000	Range 73 - 128	Recovery	=	100.50%	
57) 4-Bromofluorobenzene	8.51	95	37996	9.732	ppb	0.00
Spiked Amount	10.000	Range 57 - 146	Recovery	=	97.30%	
Target Compounds						
11) Acetone	2.35	58	110	Below Cal	#	1
13) Hexane	3.17	57	768	0.237	ppb	91
14) Methylene chloride	2.69	84	5323	0.774	ppb	98
26] 1,2-Dichloroethane (EDC)	4.53	62	83	Below Cal		89
45] Tetrachloroethene	6.65	164	30	Below Cal	#	80
51] m,p-Xylene	7.65	106	119	0.021	ppb	83
75) Naphthalene	11.83	128	185	0.096	ppb	69

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS13\11-19-22\
 Data File : 111911.D
 Acq On : 20 Nov 2022 12:17 am
 Operator : JCM
 Sample : 211274-03 1/0.25
 Misc : soil
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS13

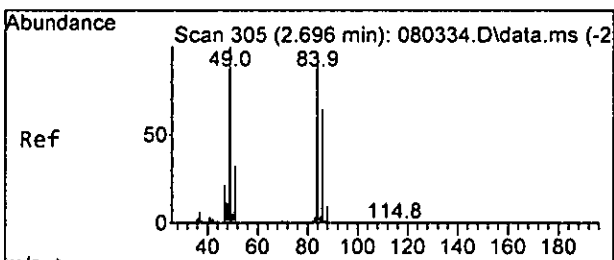
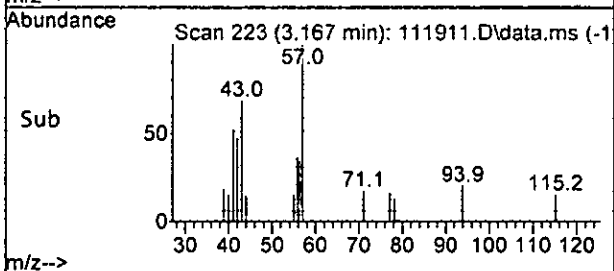
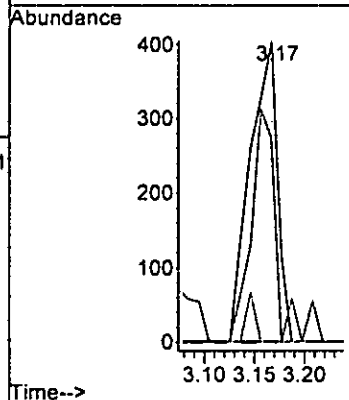
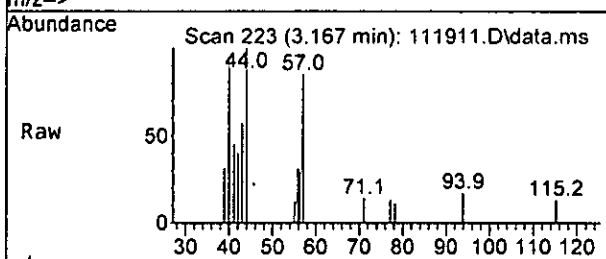
Quant Time: Nov 21 11:55:14 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M





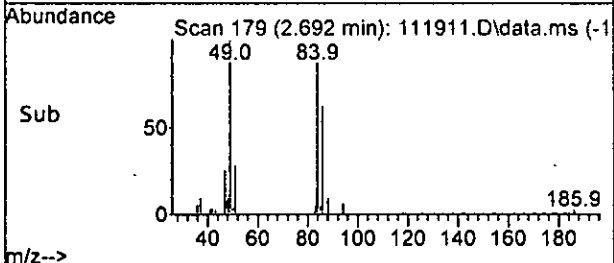
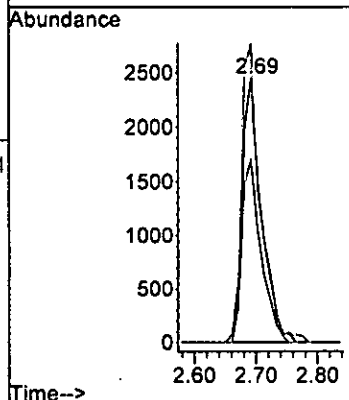
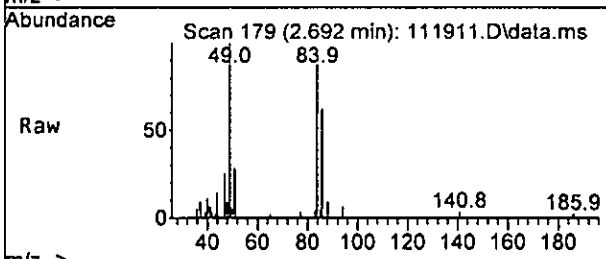
#13
 Hexane
 Concen: 0.237 ppb
 RT: 3.17 min Scan# 223
 Delta R.T. 0.010 min
 Lab File: 111911.D
 Acq: 20 Nov 2022 12:17 am

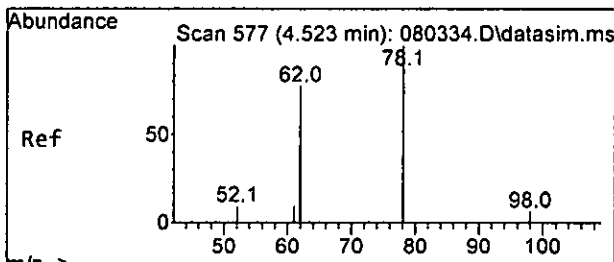
Tgt Ion	Resp	Lower	Upper
57	100		
43	67.6	35.4	95.4
86	0.0	0.0	44.8



#14
 Methylene chloride
 Concen: 0.774 ppb
 RT: 2.69 min Scan# 179
 Delta R.T. 0.010 min
 Lab File: 111911.D
 Acq: 20 Nov 2022 12:17 am

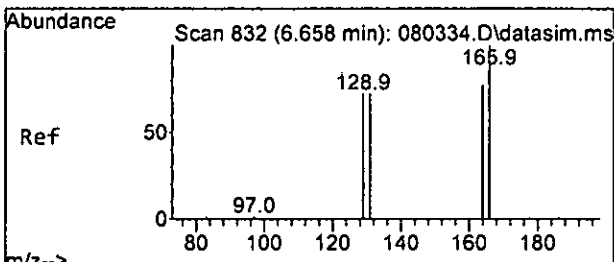
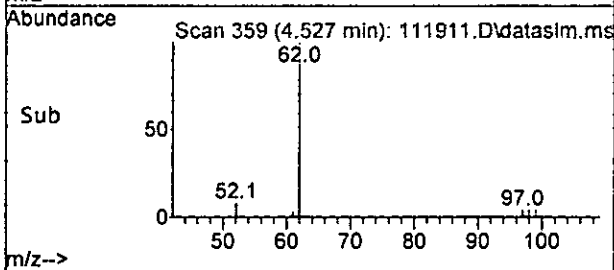
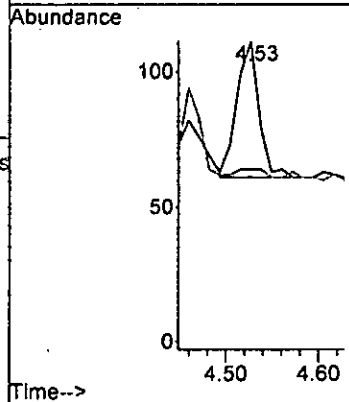
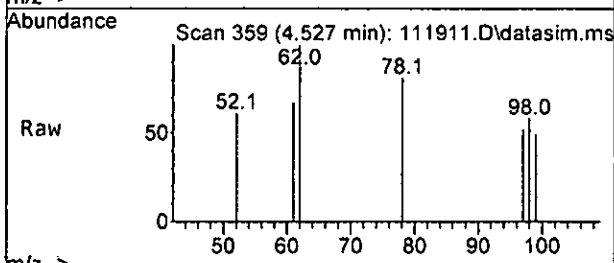
Tgt Ion	Resp	Lower	Upper
84	100		
86	69.8	37.1	97.1
49	113.2	81.3	141.3





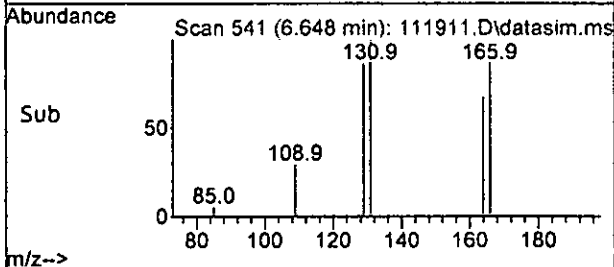
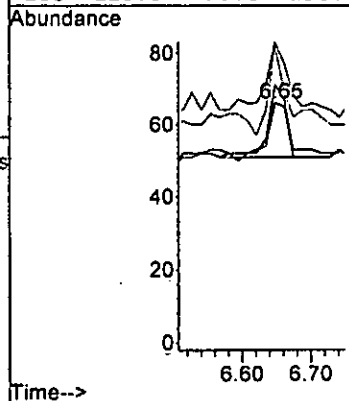
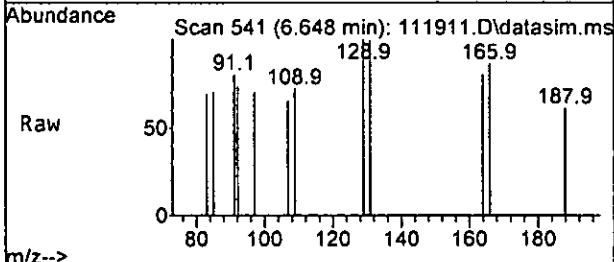
#26
 1,2-Dichloroethane (EDC)
 Concen: Below Cal
 RT: 4.53 min Scan# 359
 Delta R.T. -0.000 min
 Lab File: 111911.D
 Acq: 20 Nov 2022 12:17 am

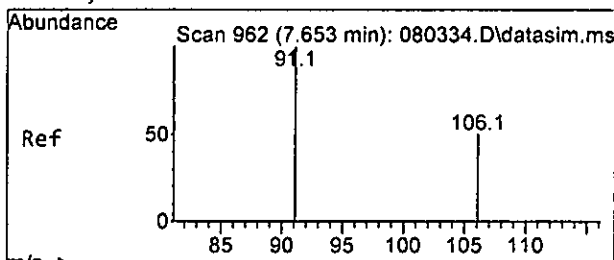
Tgt Ion: 62 Resp: 83
 Ion Ratio Lower Upper
 62 100
 98 6.0 0.0 40.1



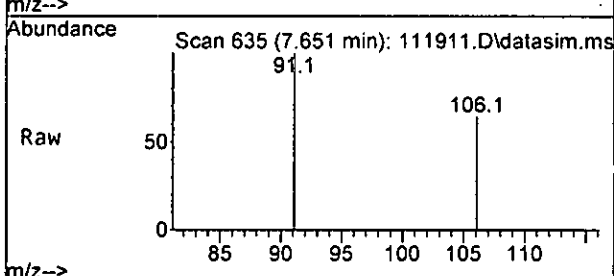
#45
 Tetrachloroethene
 Concen: Below Cal
 RT: 6.65 min Scan# 541
 Delta R.T. 0.000 min
 Lab File: 111911.D
 Acq: 20 Nov 2022 12:17 am

Tgt Ion: 164 Resp: 30
 Ion Ratio Lower Upper
 164 100
 129 126.7 72.1 132.1
 131 133.3 64.8 124.8#
 166 120.0 90.0 150.0

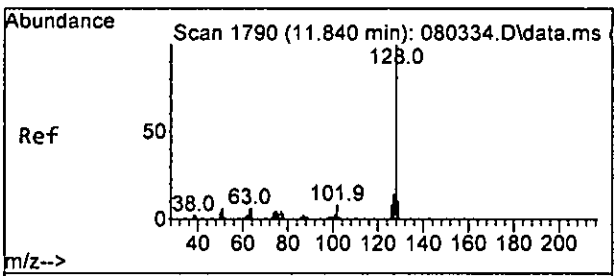
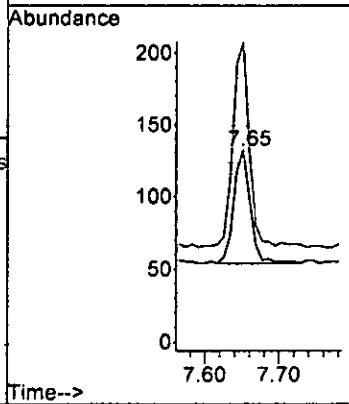
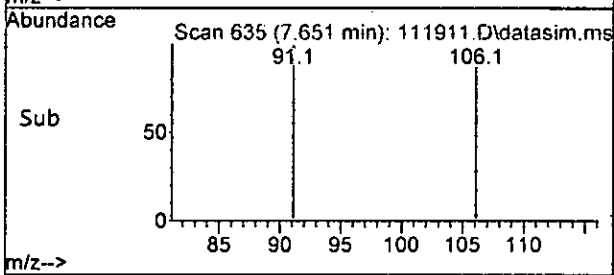




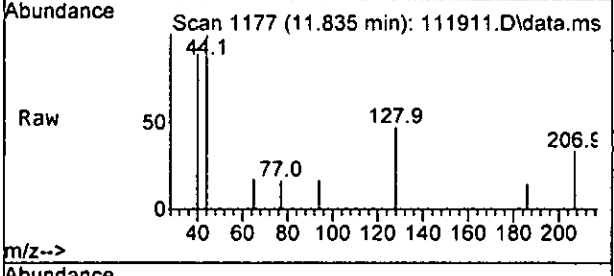
#51
 m,p-Xylene
 Concen: 0.021 ppb
 RT: 7.65 min Scan# 635
 Delta R.T. 0.000 min
 Lab File: 111911.D
 Acq: 20 Nov 2022 12:17 am



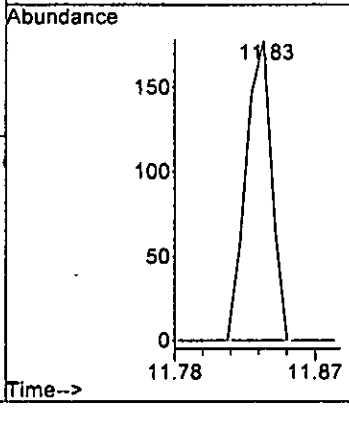
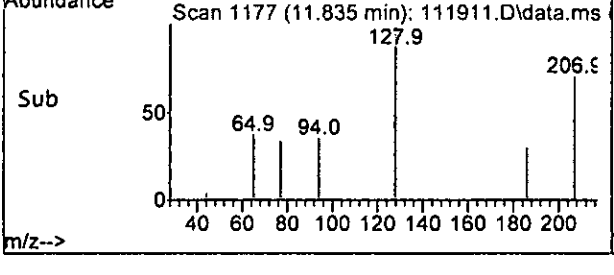
Tgt Ion: 106 Resp: 119
 Ion Ratio Lower Upper
 106 100
 91 179.5 175.7 235.7.



#75
 Naphthalene
 Concen: 0.096 ppb
 RT: 11.83 min Scan# 1177
 Delta R.T. -0.000 min
 Lab File: 111911.D
 Acq: 20 Nov 2022 12:17 am



Tgt Ion: 128 Resp: 185
 Ion Ratio Lower Upper
 128 100
 129 0.0 0.0 40.8
 127 0.0 0.0 43.1



Data Path : D:\Proc_GCMS13\11-19-22\
 Data File : 111911.D
 Acq On : 20 Nov 2022 12:17 am
 Operator : JCM
 Sample : 211274-03 1/0.25
 Misc : soil
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 11:55:14 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	4.75	96	100314	10.000	ppb	0.00	
39) Chlorobenzene-d5	7.40	117	94264	10.000	ppb	0.00	
56) 1,4-Dichlorobenzene-d4	9.62	152	56660	10.000	ppb	0.00	
System Monitoring Compounds							
3) Dibromofluoromethane	4.18	113	34072	10.591	ppb	0.00	
Spiked Amount	10.000	Range	50 - 150	Recovery	=	105.90%	
30) 1,2-Dichloroethane-d4	4.45	102	6136	9.842	ppb	0.00	
Spiked Amount	10.000	Range	84 - 120	Recovery	=	98.40%	
35) Toluene-d8	6.11	98	96121	10.047	ppb	0.00	
Spiked Amount	10.000	Range	73 - 128	Recovery	=	100.50%	
57) 4-Bromofluorobenzene	8.51	95	37996	9.732	ppb	0.00	
Spiked Amount	10.000	Range	57 - 146	Recovery	=	97.30%	
Target Compounds							
							Qvalue
2) Ethanol	2.34	45	116	No Calib			
4) Dichlorodifluoromethane	0.00		0	N.D.			
5) Chloromethane	1.25	50	180	N.D.			
6) Vinyl chloride	0.00		0	N.D.			
7) Bromomethane	0.00		0	N.D. d			
8) Chloroethane	0.00		0	N.D.			
9) Trichlorofluoromethane	0.00		0	N.D.			
10) 2-Propanol	2.34	45	116	No Calib	#		
11) Acetone	2.35	58	110	Below Cal	#	1	
12) 1,1-Dichloroethene	0.00		0	N.D.			
13) Hexane	3.17	57	768	0.237	ppb	91	
14) Methylene chloride	2.69	84	5323	0.774	ppb	98	
15) t-Butyl alcohol (TBA)	0.00		0	N.D.			
16) Methyl t-butyl ether (...)	0.00		0	N.D.			
17) trans-1,2-Dichloroethene	0.00		0	N.D.			
18) Diisopropyl ether (DIPE)	0.00		0	N.D.			
19) 1,1-Dichloroethane	0.00		0	N.D.			
20) Ethyl t-butyl ether (E...)	0.00		0	N.D.			
21) 2,2-Dichloropropane	3.76	77	226	N.D.			
22) cis-1,2-Dichloroethene	0.00		0	N.D.			
23) Chloroform	0.00		0	N.D.			
24) 2-Butanone (MEK)	0.00		0	N.D. d			
25) t-Amyl methyl ether (T...)	0.00		0	N.D.			
26) 1,2-Dichloroethane (EDC)	4.53	62	83	Below Cal		89	
27) 1,1,1-Trichloroethane	0.00		0	N.D.			
28) 1,1-Dichloropropene	0.00		0	N.D.			
29) Carbon tetrachloride	0.00		0	N.D.			
31) Benzene	4.50	78	89	N.D.			
32) Trichloroethene	0.00		0	N.D. d			
33) 1,2-Dichloropropane	0.00		0	N.D.			
34) Bromodichloromethane	0.00		0	N.D.			
36) Dibromomethane	0.00		0	N.D.			

Data Path : D:\Proc_GCMS13\11-19-22\
 Data File : 111911.D
 Acq On : 20 Nov 2022 12:17 am
 Operator : JCM
 Sample : 211274-03 1/0.25
 Misc : soil
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS13

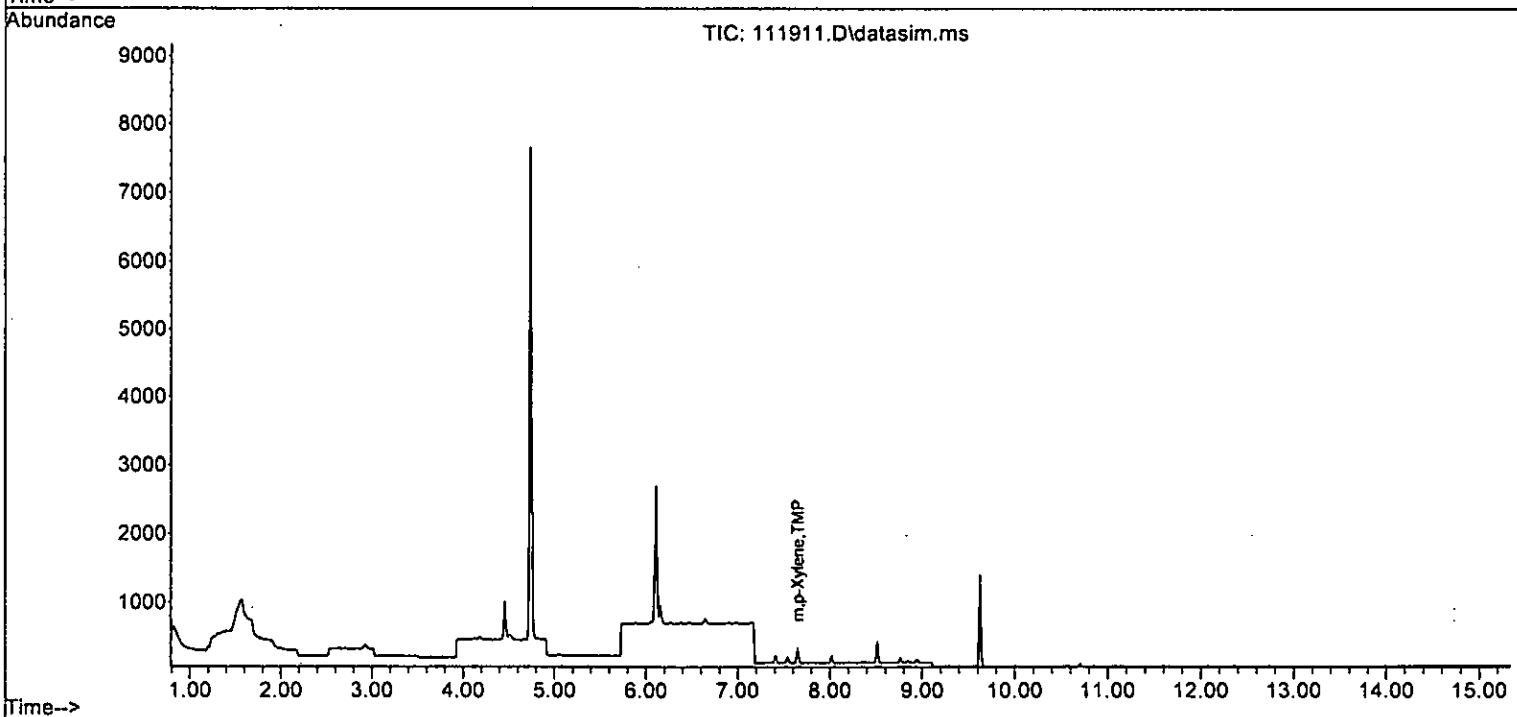
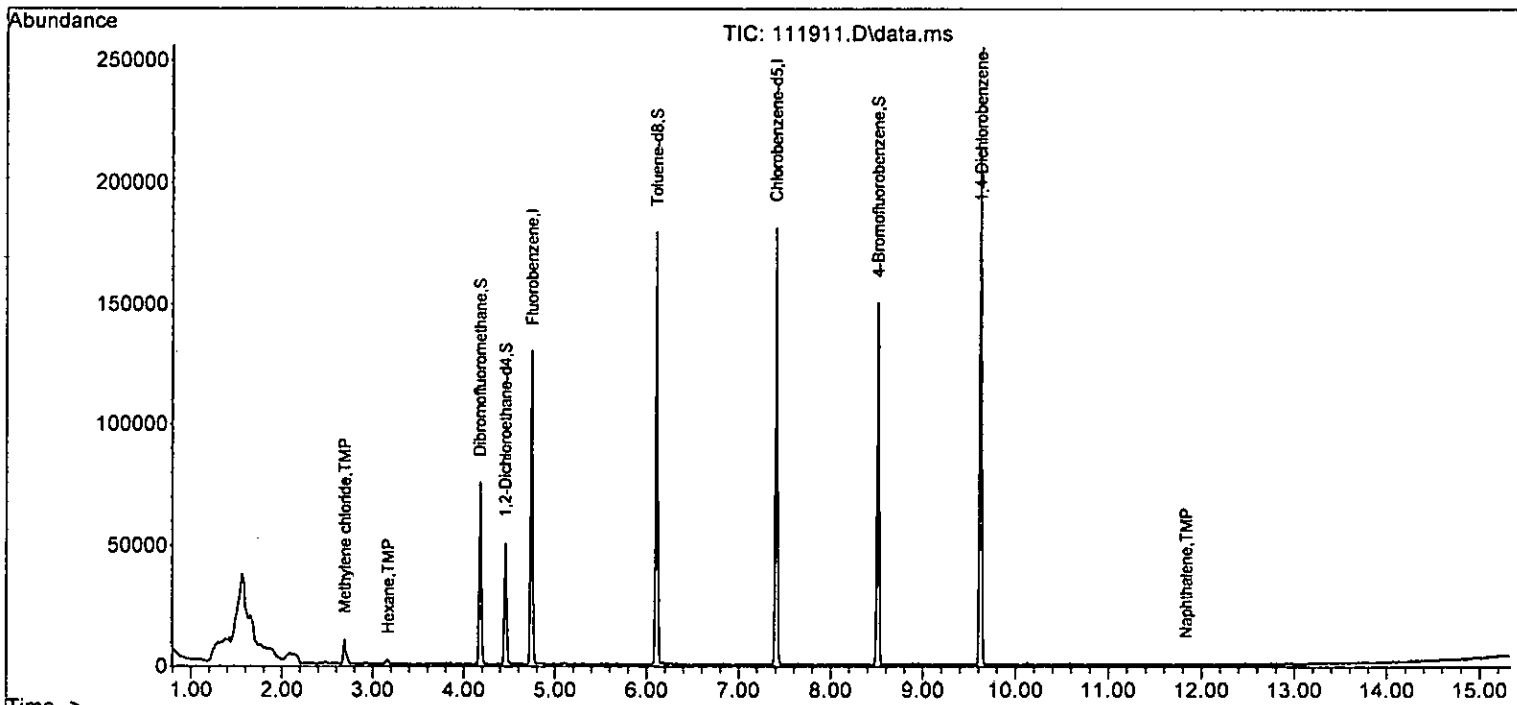
Quant Time: Nov 21 11:55:14 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.00		0		N.D.	
38) cis-1,3-Dichloropropene	0.00		0		N.D.	
40) Toluene	6.16	92	144		N.D.	
41) trans-1,3-Dichloropropene	0.00		0		N.D. d	
42) 1,1,2-Trichloroethane	0.00		0		N.D.	
43) 2-Hexanone	6.83	43	149		N.D.	
44) 1,3-Dichloropropane	0.00		0		N.D.	
45] Tetrachloroethene	6.65	164	30	Below Cal	#	80
46) Dibromochloromethane	0.00		0		N.D.	
47) 1,2-Dibromoethane (EDB)	0.00		0		N.D.	
48) Chlorobenzene	0.00		0		N.D.	
49) Ethylbenzene	7.54	91	99		N.D.	
50) 1,1,1,2-Tetrachloroethane	0.00		0		N.D.	
51] m,p-Xylene	7.65	106	119	0.021	ppb	83
52) o-Xylene	8.02	106	53		N.D.	
53) Styrene	0.00		0		N.D.	
54) Isopropylbenzene	8.37	105	93		N.D.	
55) Bromoform	0.00		0		N.D.	
58) n-Propylbenzene	8.77	91	37		N.D.	
59) Bromobenzene	0.00		0		N.D.	
60) 1,3,5-Trimethylbenzene	8.94	105	68		N.D.	
61) 1,1,2,2-Tetrachloroethane	0.00		0		N.D.	
62) 1,2,3-Trichloropropane	8.65	75	44		N.D.	
63) 2-Chlorotoluene	8.77	91	37		N.D.	
64) 4-Chlorotoluene	8.92	91	27		N.D.	
65) tert-Butylbenzene	0.00		0		N.D.	
66) 1,2,4-Trimethylbenzene	9.30	105	210		N.D.	
67) sec-Butylbenzene	9.46	105	26		N.D.	
68) p-Isopropyltoluene	9.61	119	77		N.D.	
69) 1,3-Dichlorobenzene	9.56	146	31		N.D.	
70) 1,4-Dichlorobenzene	9.56	146	31		N.D.	
71) 1,2-Dichlorobenzene	0.00		0		N.D.	
72) 1,2-Dibromo-3-chloropr...	10.56	75	22		N.D.	
73) 1,2,4-Trichlorobenzene	11.60	180	27		N.D.	
74) Hexachlorobutadiene	0.00		0		N.D.	
75) Naphthalene	11.83	128	185	0.096	ppb	69
76) 1,2,3-Trichlorobenzene	0.00		0		N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS13\11-19-22\
 Data File : 111911.D
 Acq On : 20 Nov 2022 12:17 am
 Operator : JCM
 Sample : 211274-03 1/0.25
 Misc : soil
 ALS Vial : 6 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 11:55:14 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



Data Path : D:\Proc_GCMS13\11-19-22\
 Data File : 111912.D
 Acq On : 20 Nov 2022 12:40 am
 Operator : JCM
 Sample : 211274-04 1/0.25
 Misc : soil
 ALS Vial : 7 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 11:55:16 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth: VM080322.M

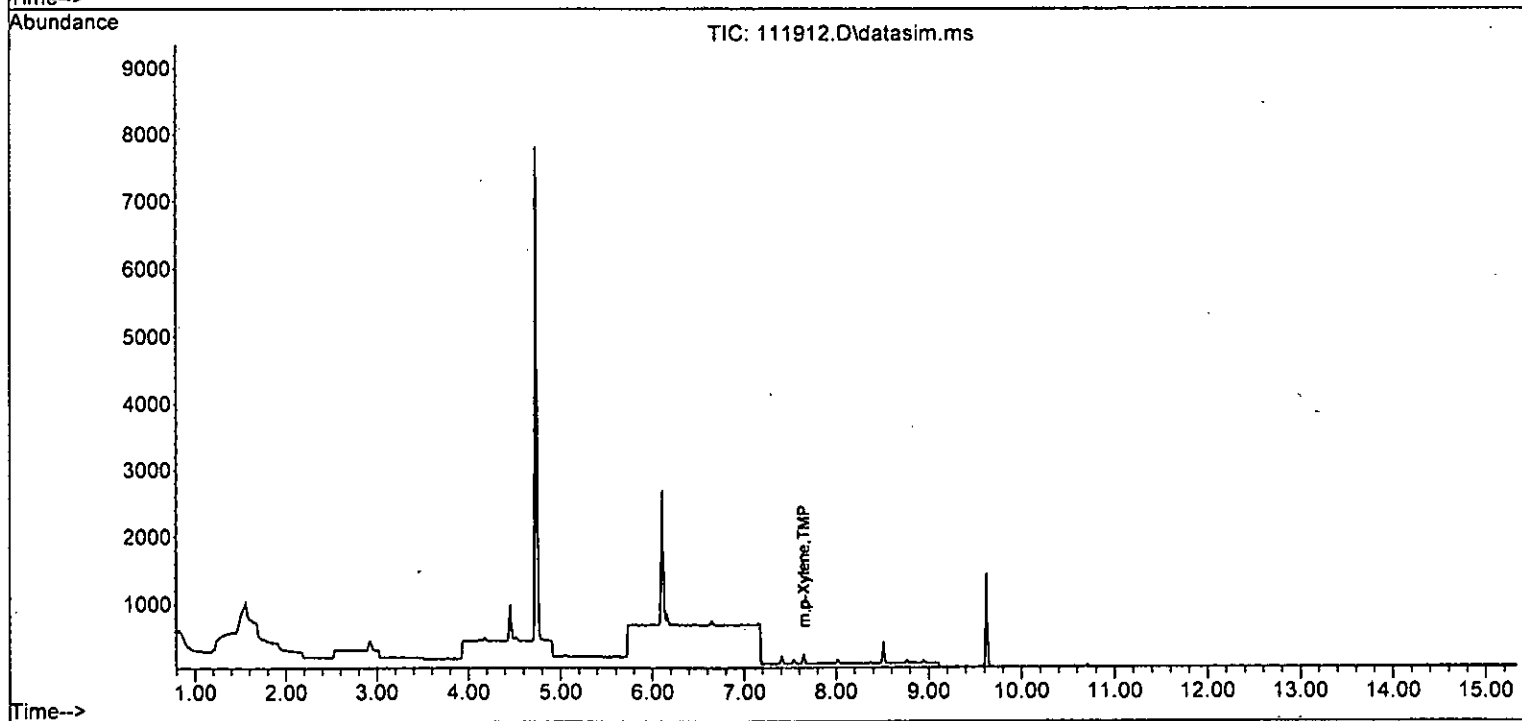
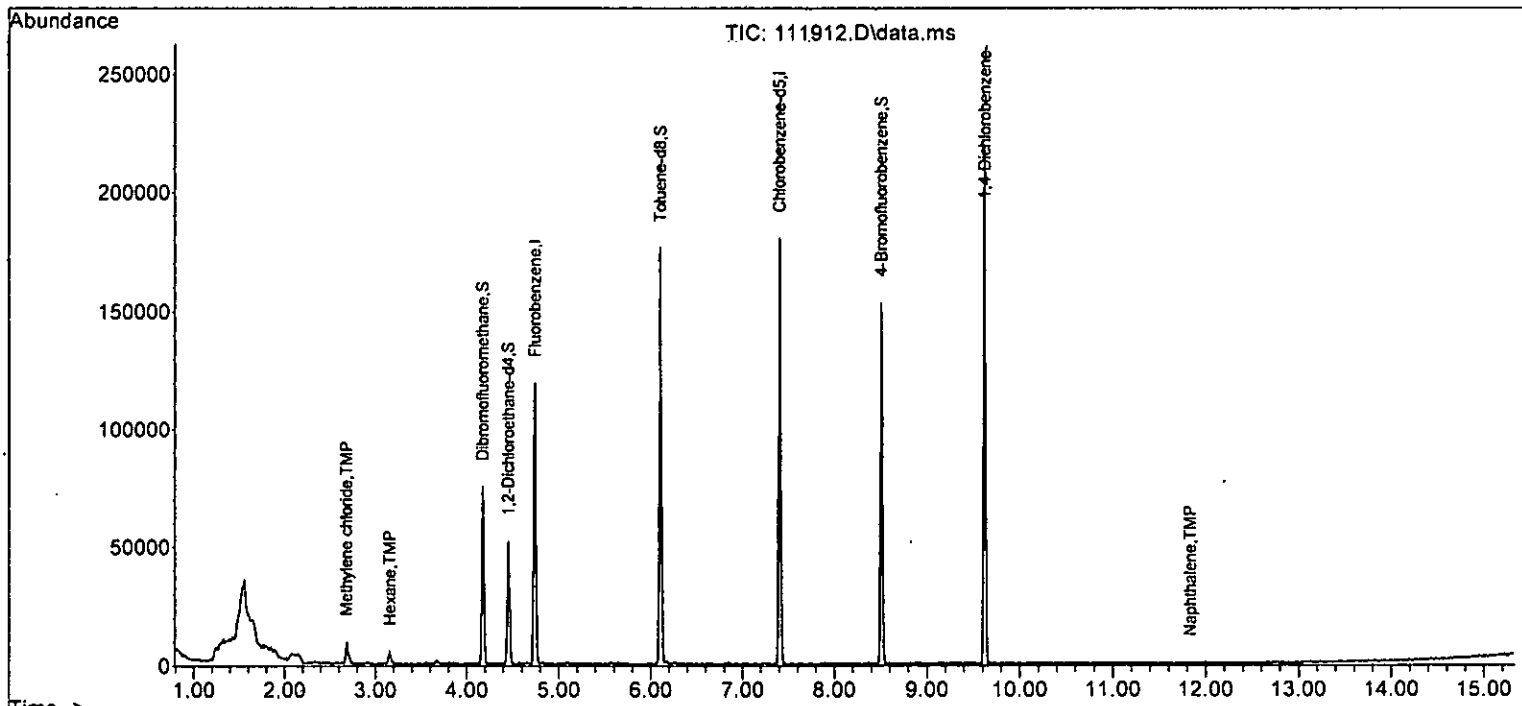
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

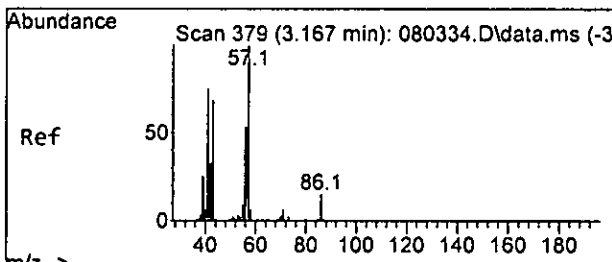
Internal Standards							
1) Fluorobenzene	4.75	96	99656	10.000	ppb	0.00	
39) Chlorobenzene-d5	7.40	117	92879	10.000	ppb	0.00	
56) 1,4-Dichlorobenzene-d4	9.62	152	56506	10.000	ppb	0.00	
System Monitoring Compounds							
3) Dibromofluoromethane	4.17	113	33459	10.470	ppb	0.00	
Spiked Amount	10.000	Range	50 - 150	Recovery	=	104.70%	
30) 1,2-Dichloroethane-d4	4.45	102	5972	9.643	ppb	0.00	
Spiked Amount	10.000	Range	84 - 120	Recovery	=	96.40%	
35) Toluene-d8	6.10	98	95943	10.095	ppb	0.00	
Spiked Amount	10.000	Range	73 - 128	Recovery	=	100.90%	
57) 4-Bromofluorobenzene	8.51	95	37550	9.644	ppb	0.00	
Spiked Amount	10.000	Range	57 - 146	Recovery	=	96.40%	
Target Compounds							
							Qvalue
13) Hexane	3.16	57	1923	0.597	ppb		92
14) Methylene chloride	2.68	84	4756	0.575	ppb		95
26] 1,2-Dichloroethane (EDC)	4.53	62	79	Below Cal			93
40] Toluene	6.16	92	73	Below Cal			89
45] Tetrachloroethene	6.65	164	26	Below Cal			93
46) Dibromochloromethane	6.95	129	42	Below Cal	#		11
51] m,p-Xylene	7.65	106	77	0.014	ppb	#	71
75) Naphthalene	11.83	128	50	0.083	ppb		69

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS13\11-19-22\
 Data File : 111912.D
 Acq On : 20 Nov 2022 12:40 am
 Operator : JCM
 Sample : 211274-04 1/0.25
 Misc : soil
 ALS Vial : 7 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 11:55:16 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

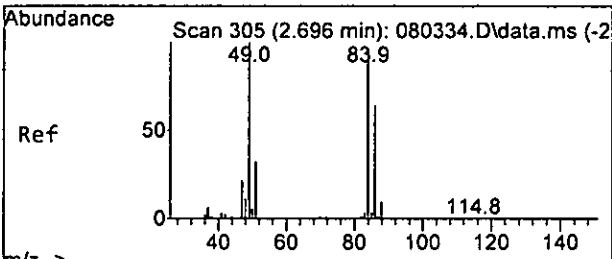
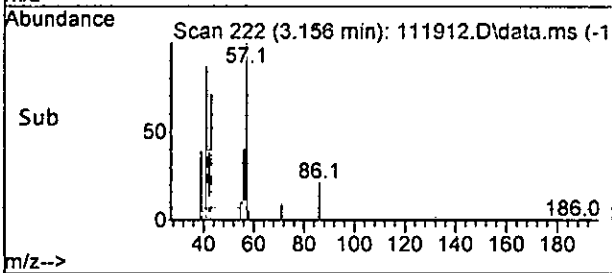
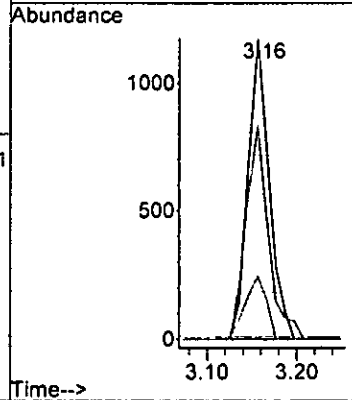
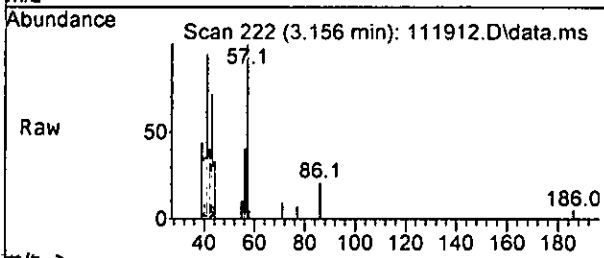




#13
 Hexane
 Concen: 0.597 ppb
 RT: 3.16 min Scan# 222
 Delta R.T. -0.001 min
 Lab File: 111912.D
 Acq: 20 Nov 2022 12:40 am

Tgt Ion: 57 Resp: 1923

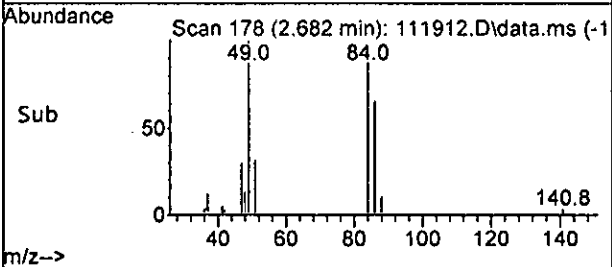
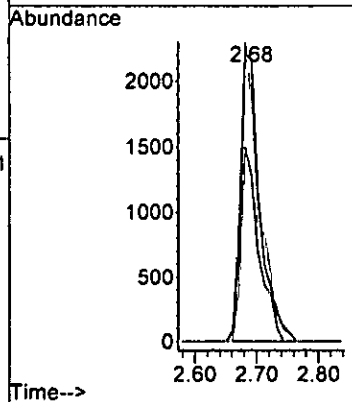
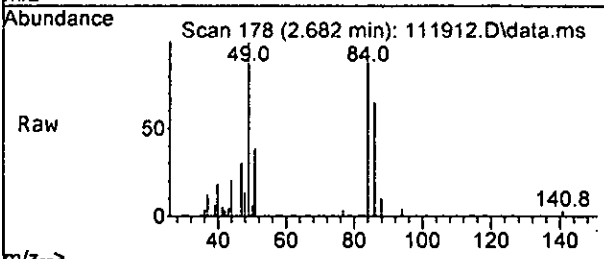
Ion	Ratio	Lower	Upper
57	100		
43	70.6	35.4	95.4
86	21.0	0.0	44.8

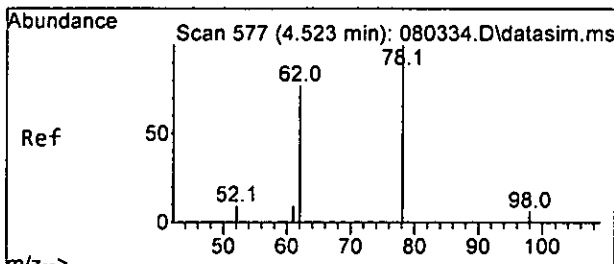


#14
 Methylene chloride
 Concen: 0.575 ppb
 RT: 2.68 min Scan# 178
 Delta R.T. -0.000 min
 Lab File: 111912.D
 Acq: 20 Nov 2022 12:40 am

Tgt Ion: 84 Resp: 4756

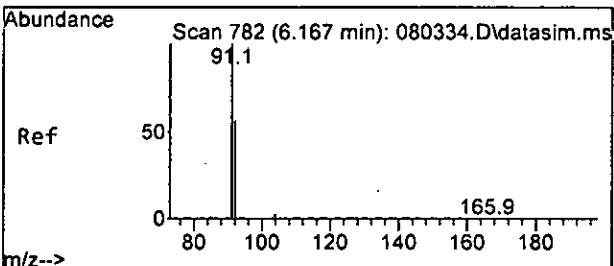
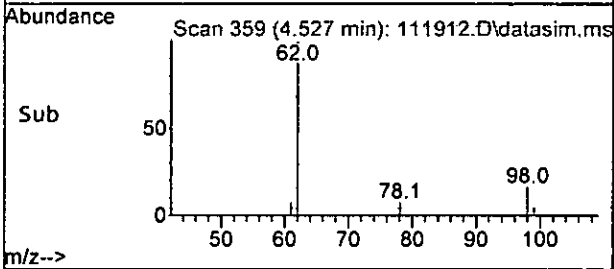
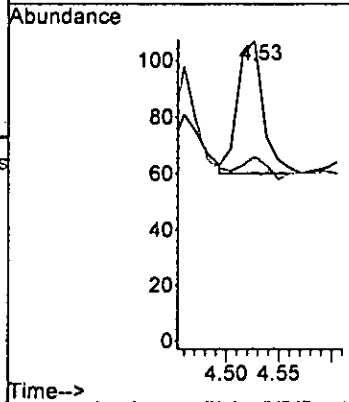
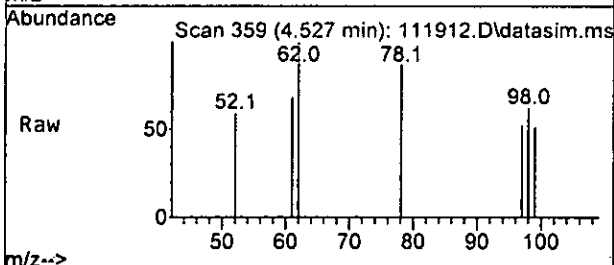
Ion	Ratio	Lower	Upper
84	100		
86	67.4	37.1	97.1
49	103.3	81.3	141.3





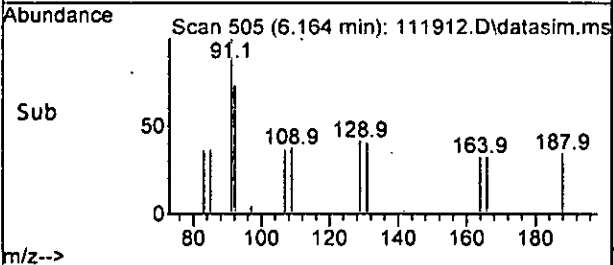
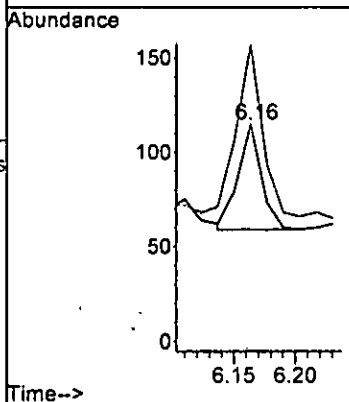
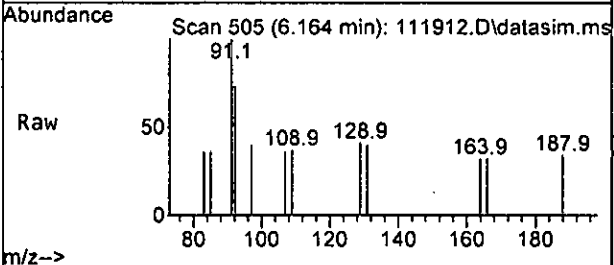
#26
 1,2-Dichloroethane (EDC)
 Concen: Below Cal
 RT: 4.53 min Scan# 359
 Delta R.T. -0.000 min
 Lab File: 111912.D
 Acq: 20 Nov 2022 12:40 am

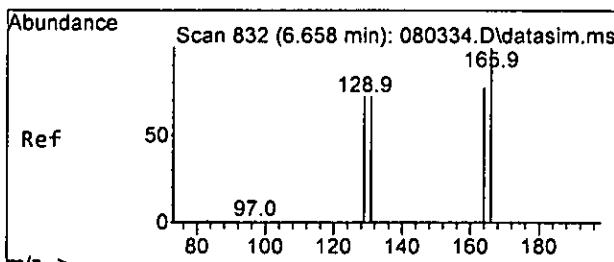
Tgt Ion: 62 Resp: 79
 Ion Ratio Lower Upper
 62 100
 98 12.8 0.0 40.1



#40
 Toluene
 Concen: Below Cal
 RT: 6.16 min Scan# 505
 Delta R.T. -0.000 min
 Lab File: 111912.D
 Acq: 20 Nov 2022 12:40 am

Tgt Ion: 92 Resp: 73
 Ion Ratio Lower Upper
 92 100
 91 162.5 148.5 208.5

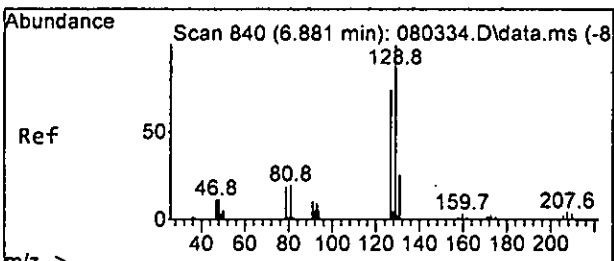
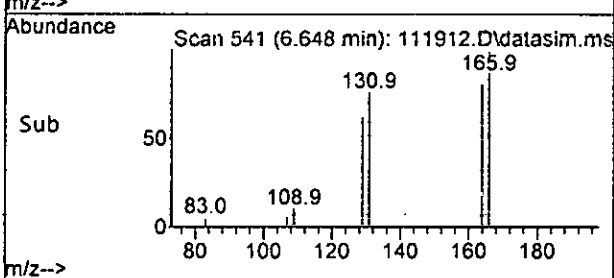
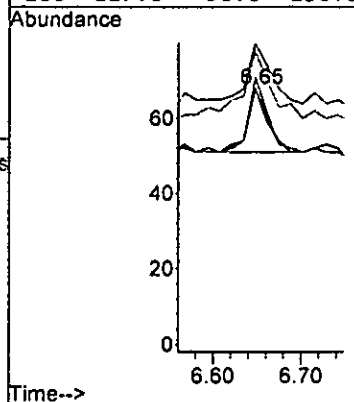
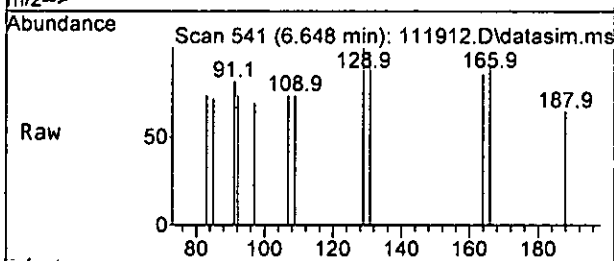




#45
 Tetrachloroethene
 Concen: Below Cal
 RT: 6.65 min Scan# 541
 Delta R.T. -0.000 min
 Lab File: 111912.D
 Acq: 20 Nov 2022 12:40 am

Tgt Ion: 164 Resp: 26

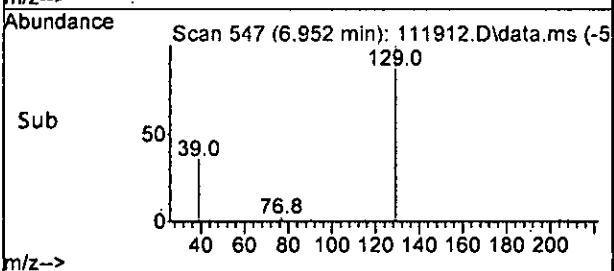
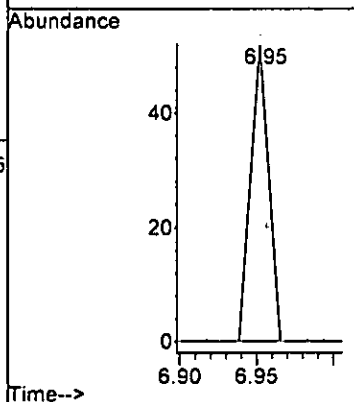
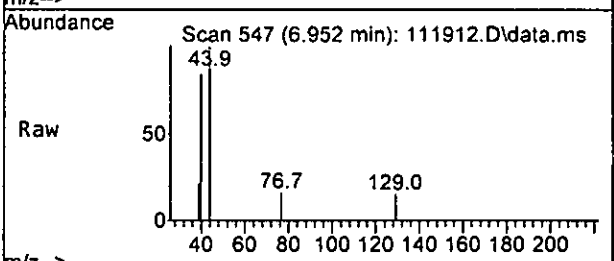
Ion	Ratio	Lower	Upper
164	100		
129	94.1	72.1	132.1
131	105.9	64.8	124.8
166	117.6	90.0	150.0

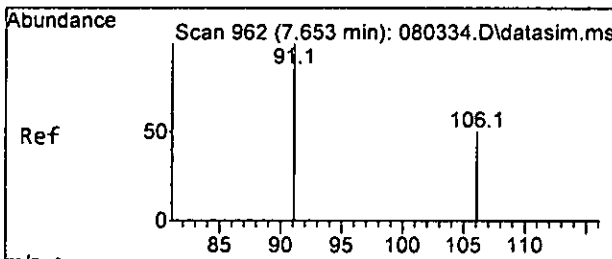


#46
 Dibromochloromethane
 Concen: Below Cal
 RT: 6.95 min Scan# 547
 Delta R.T. 0.067 min
 Lab File: 111912.D
 Acq: 20 Nov 2022 12:40 am

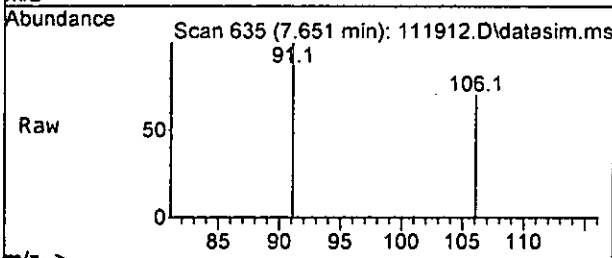
Tgt Ion: 129 Resp: 42

Ion	Ratio	Lower	Upper
129	100		
127	0.0	46.8	106.8#

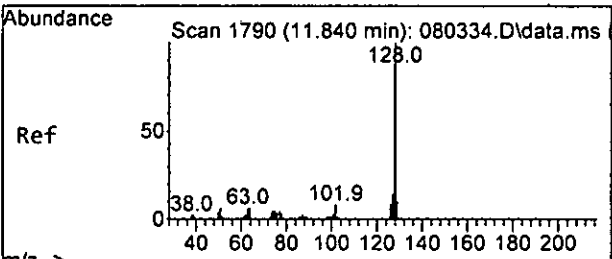
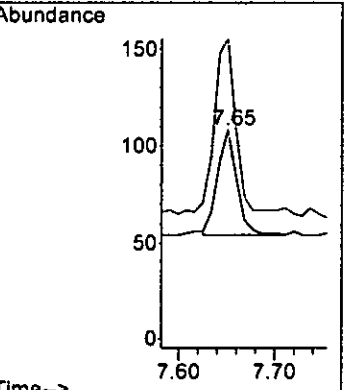
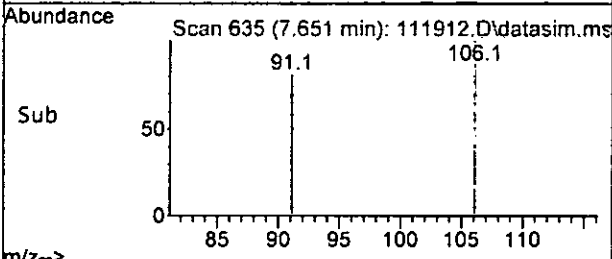




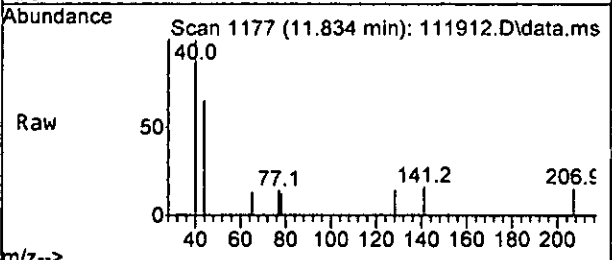
#51
 m,p-Xylene
 Concen: 0.014 ppb
 RT: 7.65 min Scan# 635
 Delta R.T. -0.000 min
 Lab File: 111912.D
 Acq: 20 Nov 2022 12:40 am



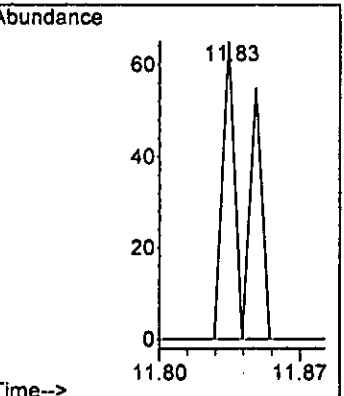
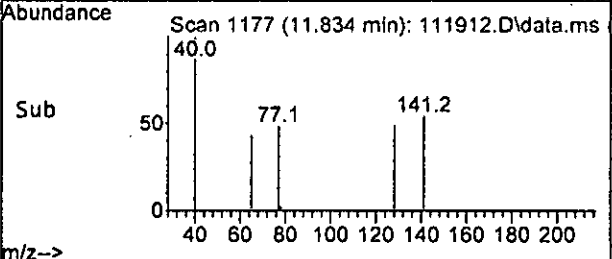
Tgt Ion: 106 Resp: 77
 Ion Ratio Lower Upper
 106 100
 91 161.1 175.7 235.7#



#75
 Naphthalene
 Concen: 0.083 ppb
 RT: 11.83 min Scan# 1177
 Delta R.T. -0.001 min
 Lab File: 111912.D
 Acq: 20 Nov 2022 12:40 am



Tgt Ion: 128 Resp: 50
 Ion Ratio Lower Upper
 128 100
 129 0.0 0.0 40.8
 127 0.0 0.0 43.1



Data Path : D:\Proc_GCMS13\11-19-22\
 Data File : 111912.D
 Acq On : 20 Nov 2022 12:40 am
 Operator : JCM
 Sample : 211274-04 1/0.25
 Misc : soil
 ALS Vial : 7 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 11:55:16 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	4.75	96	99656	10.000	ppb	0.00	
39) Chlorobenzene-d5	7.40	117	92879	10.000	ppb	0.00	
56) 1,4-Dichlorobenzene-d4	9.62	152	56506	10.000	ppb	0.00	
System Monitoring Compounds							
3) Dibromofluoromethane	4.17	113	33459	10.470	ppb	0.00	
Spiked Amount	10.000	Range 50 - 150	Recovery	=	104.70%		
30) 1,2-Dichloroethane-d4	4.45	102	5972	9.643	ppb	0.00	
Spiked Amount	10.000	Range 84 - 120	Recovery	=	96.40%		
35) Toluene-d8	6.10	98	95943	10.095	ppb	0.00	
Spiked Amount	10.000	Range 73 - 128	Recovery	=	100.90%		
57) 4-Bromofluorobenzene	8.51	95	37550	9.644	ppb	0.00	
Spiked Amount	10.000	Range 57 - 146	Recovery	=	96.40%		
Target Compounds							
2) Ethanol	2.33	45	32	No Calib			Qvalue
4) Dichlorodifluoromethane	1.13	85	41	N.D.			
5) Chloromethane	1.26	50	943	N.D.			
6) Vinyl chloride	0.00		0	N.D. d			
7) Bromomethane	0.00		0	N.D. d			
8) Chloroethane	0.00		0	N.D.			
9) Trichlorofluoromethane	0.00		0	N.D.			
10) 2-Propanol	2.33	45	32	No Calib	#		
11) Acetone	0.00		0	N.D.			
12) 1,1-Dichloroethene	0.00		0	N.D. d			
13) Hexane	3.16	57	1923	0.597	ppb	92	
14) Methylene chloride	2.68	84	4756	0.575	ppb	95	
15) t-Butyl alcohol (TBA)	0.00		0	N.D.			
16) Methyl t-butyl ether (...)	0.00		0	N.D.			
17) trans-1,2-Dichloroethene	0.00		0	N.D.			
18) Diisopropyl ether (DIPE)	3.39	45	69	N.D.			
19) 1,1-Dichloroethane	0.00		0	N.D.			
20) Ethyl t-butyl ether (E...)	0.00		0	N.D.			
21) 2,2-Dichloropropane	0.00		0	N.D. d			
22) cis-1,2-Dichloroethene	0.00		0	N.D.			
23) Chloroform	0.00		0	N.D.			
24) 2-Butanone (MEK)	3.80	43	355	N.D.			
25) t-Amyl methyl ether (T...)	0.00		0	N.D.			
26] 1,2-Dichloroethane (EDC)	4.53	62	79	Below Cal		93	
27) 1,1,1-Trichloroethane	0.00		0	N.D.			
28) 1,1-Dichloropropene	0.00		0	N.D.			
29) Carbon tetrachloride	0.00		0	N.D.			
31) Benzene	0.00		0	N.D.			
32) Trichloroethene	0.00		0	N.D. d			
33) 1,2-Dichloropropane	0.00		0	N.D.			
34) Bromodichloromethane	0.00		0	N.D.			
36) Dibromomethane	0.00		0	N.D.			

Data Path : D:\Proc_GCMS13\11-19-22\
 Data File : 111912.D
 Acq On : 20 Nov 2022 12:40 am
 Operator : JCM
 Sample : 211274-04 1/0.25
 Misc : soil
 ALS Vial : 7 Sample Multiplier: 1
 InstName : GCMS13

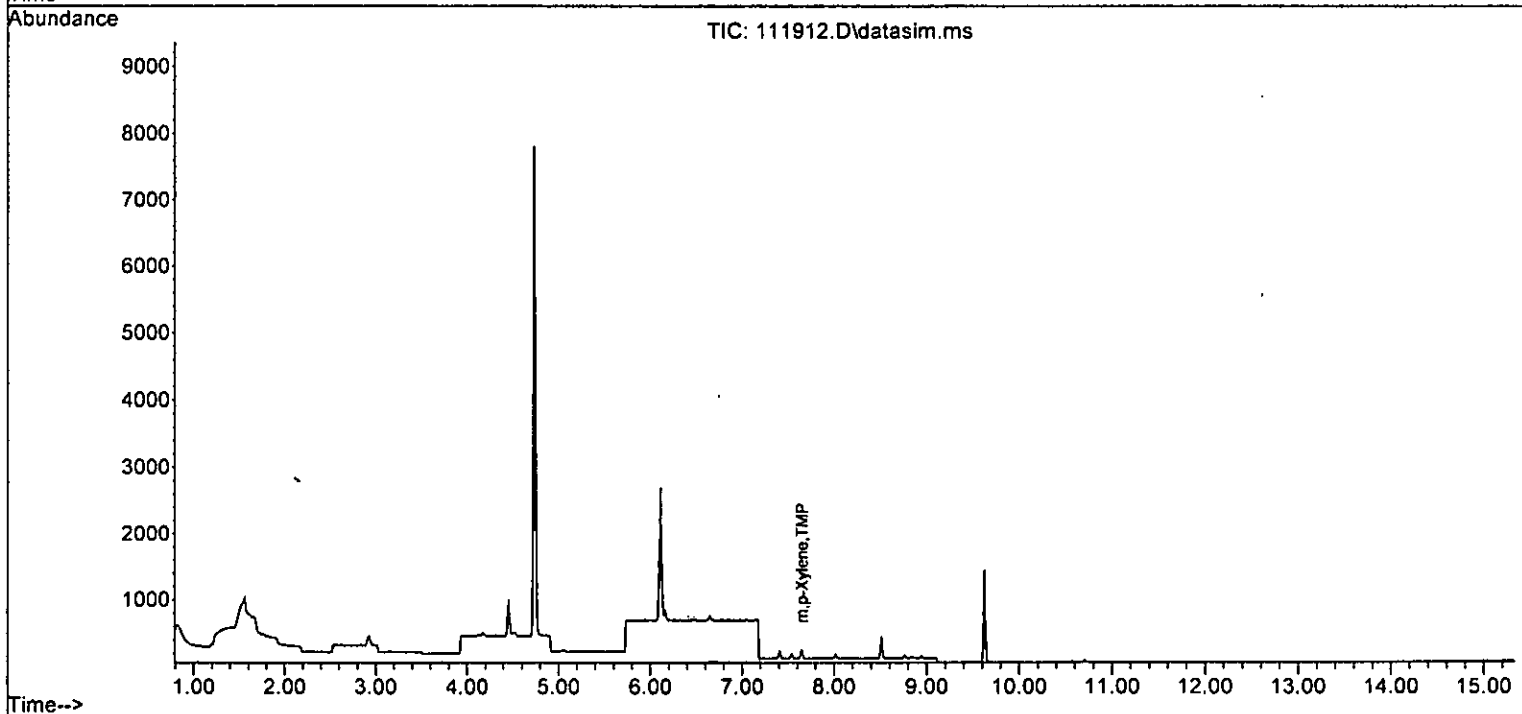
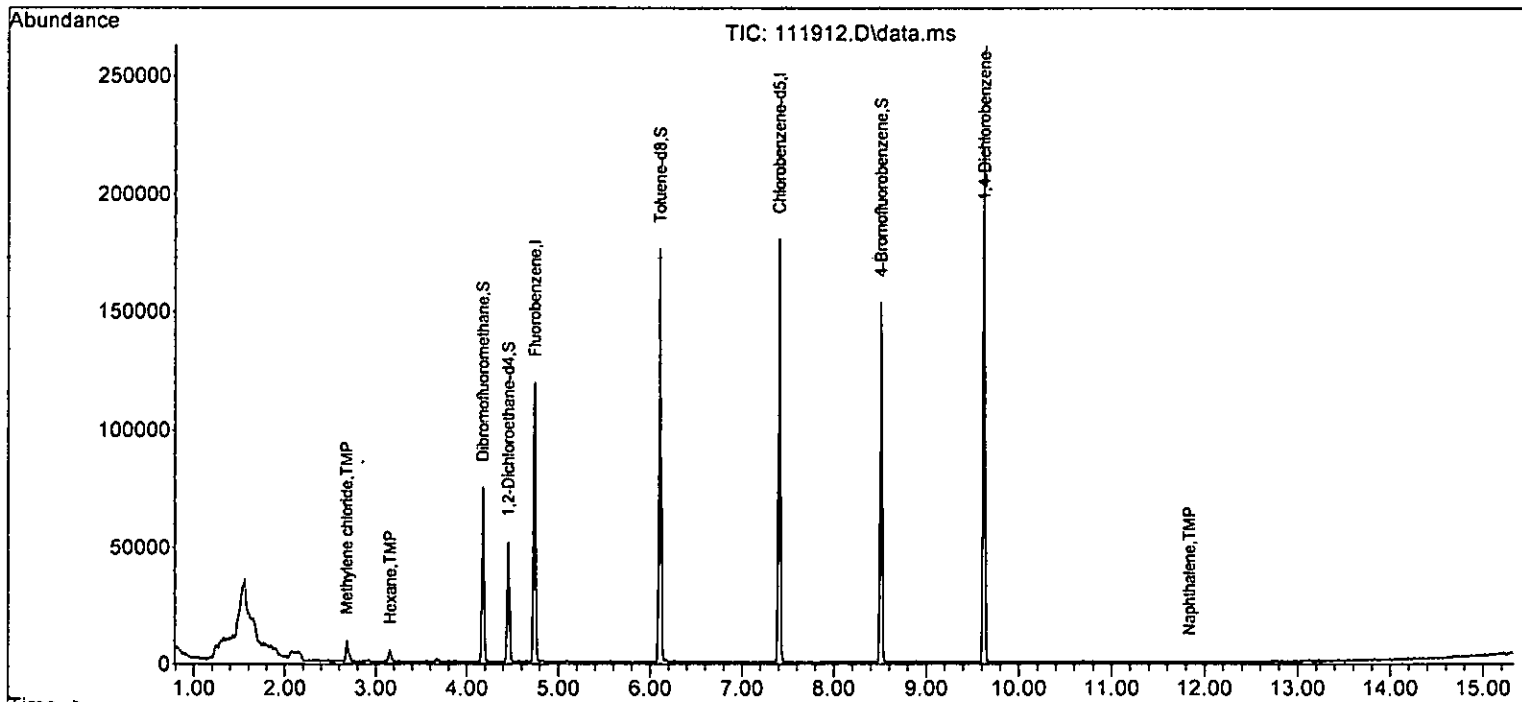
Quant Time: Nov 21 11:55:16 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.00		0	N.D.		
38) cis-1,3-Dichloropropene	0.00		0	N.D.		
40] Toluene	6.16	92	73	Below Cal		89
41) trans-1,3-Dichloropropene	0.00		0	N.D. d		
42) 1,1,2-Trichloroethane	0.00		0	N.D.		
43) 2-Hexanone	6.76	43	150	N.D.		
44) 1,3-Dichloropropane	0.00		0	N.D.		
45] Tetrachloroethene	6.65	164	26	Below Cal		93
46) Dibromochloromethane	6.95	129	42	Below Cal #		11
47) 1,2-Dibromoethane (EDB)	0.00		0	N.D.		
48) Chlorobenzene	0.00		0	N.D.		
49) Ethylbenzene	7.54	91	71	N.D.		
50) 1,1,1,2-Tetrachloroethane	0.00		0	N.D.		
51] m,p-Xylene	7.65	106	77	0.014 ppb #		71
52) o-Xylene	8.02	106	39	N.D.		
53) Styrene	8.03	104	40	N.D.		
54) Isopropylbenzene	8.38	105	59	N.D.		
55) Bromoform	0.00		0	N.D.		
58) n-Propylbenzene	0.00		0	N.D.		
59) Bromobenzene	0.00		0	N.D.		
60) 1,3,5-Trimethylbenzene	0.00		0	N.D.		
61) 1,1,2,2-Tetrachloroethane	0.00		0	N.D.		
62) 1,2,3-Trichloropropane	8.89	75	30	N.D.		
63) 2-Chlorotoluene	0.00		0	N.D.		
64) 4-Chlorotoluene	0.00		0	N.D.		
65) tert-Butylbenzene	0.00		0	N.D.		
66) 1,2,4-Trimethylbenzene	9.30	105	89	N.D.		
67) sec-Butylbenzene	9.47	105	59	N.D.		
68) p-Isopropyltoluene	9.62	119	90	N.D.		
69) 1,3-Dichlorobenzene	0.00		0	N.D.		
70) 1,4-Dichlorobenzene	0.00		0	N.D.		
71) 1,2-Dichlorobenzene	0.00		0	N.D.		
72) 1,2-Dibromo-3-chloropr...	0.00		0	N.D.		
73) 1,2,4-Trichlorobenzene	0.00		0	N.D.		
74) Hexachlorobutadiene	0.00		0	N.D.		
75) Naphthalene	11.83	128	50	0.083 ppb		69
76) 1,2,3-Trichlorobenzene	0.00		0	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS13\11-19-22\
Data File : 111912.D
Acq On : 20 Nov 2022 12:40 am
Operator : JCM
Sample : 211274-04 1/0.25
Misc : soil
ALS Vial : 7 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Nov 21 11:55:16 2022
Quant Method : D:\Methods\Inst13\VB110522ms13LL.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
QLast Update : Mon Nov 07 15:16:10 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M



Data Path : D:\Proc_GCMS13\11-19-22\
 Data File : 111913.D
 Acq On : 20 Nov 2022 01:04 am
 Operator : JCM
 Sample : 211274-05 1/0.25
 Misc : soil
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 11:55:18 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

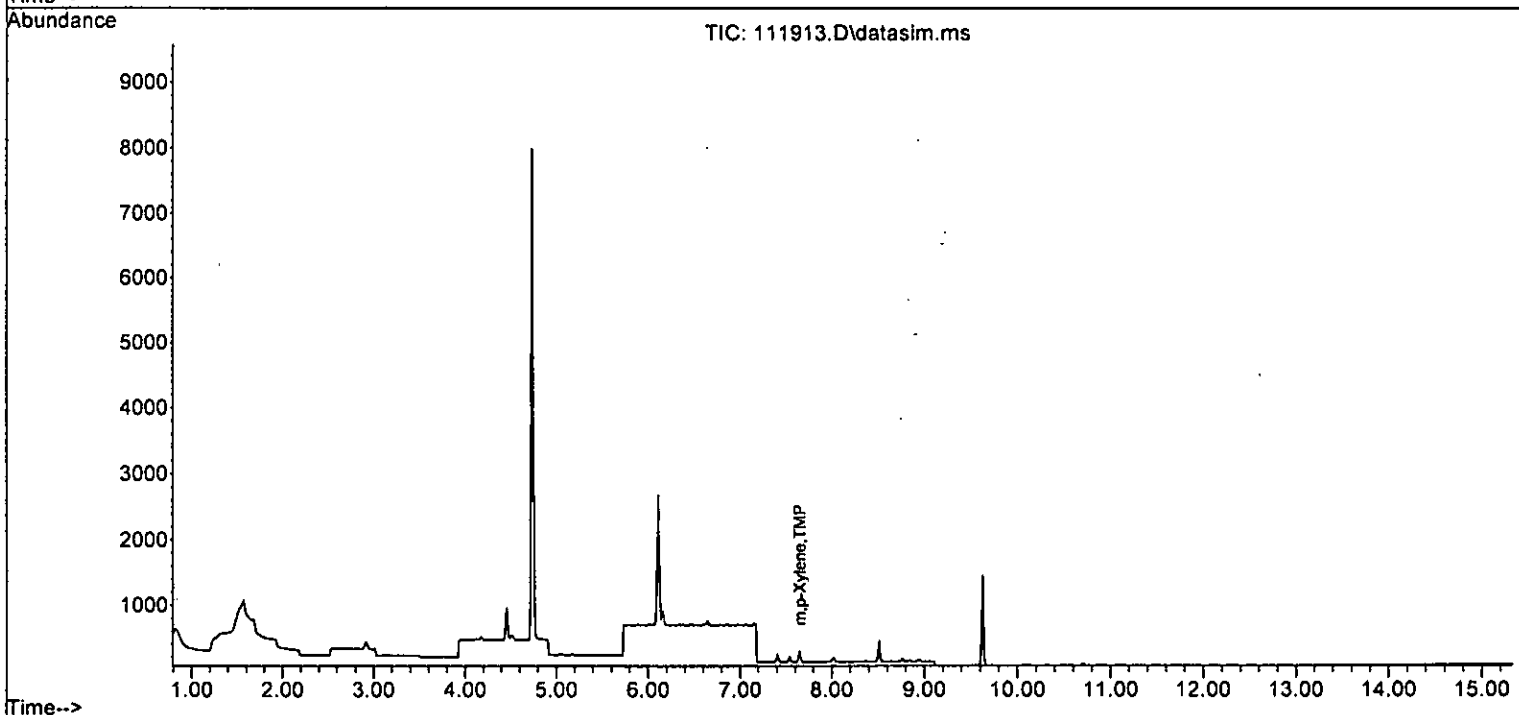
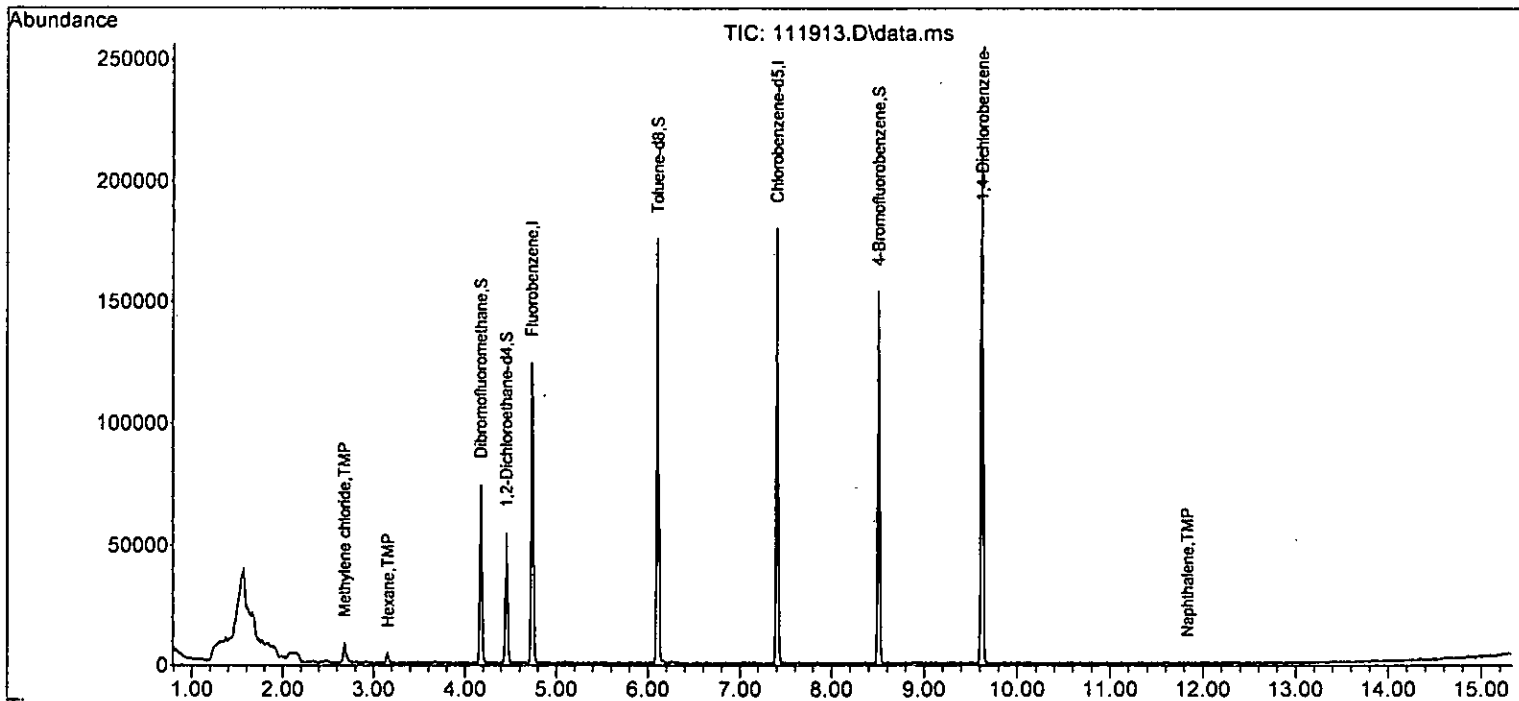
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

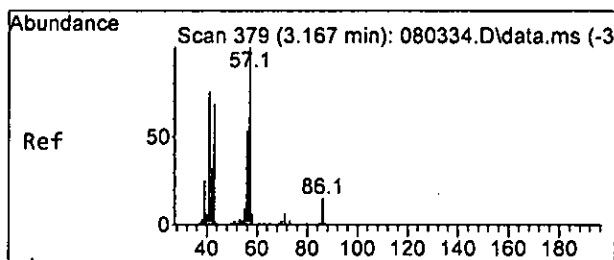
Internal Standards							
1) Fluorobenzene	4.73	96	99589	10.000	ppb	-0.01	
39) Chlorobenzene-d5	7.40	117	94508	10.000	ppb	0.00	
56) 1,4-Dichlorobenzene-d4	9.62	152	56069	10.000	ppb	0.00	
System Monitoring Compounds							
3) Dibromofluoromethane	4.17	113	33181	10.390	ppb	0.00	
Spiked Amount	10.000	Range	50 - 150	Recovery	=	103.90%	
30) 1,2-Dichloroethane-d4	4.45	102	6429	10.387	ppb	0.00	
Spiked Amount	10.000	Range	84 - 120	Recovery	=	103.90%	
35) Toluene-d8	6.10	98	97675	10.284	ppb	0.00	
Spiked Amount	10.000	Range	73 - 128	Recovery	=	102.80%	
57) 4-Bromofluorobenzene	8.51	95	36971	9.569	ppb	0.00	
Spiked Amount	10.000	Range	57 - 146	Recovery	=	95.70%	
Target Compounds							
13) Hexane	3.16	57	1344	0.417	ppb	88	Qvalue
14) Methylene chloride	2.68	84	4465	0.466	ppb	91	
21) 2,2-Dichloropropane	3.74	77	31	Below Cal		48	
26] 1,2-Dichloroethane (EDC)	4.52	62	68	Below Cal		97	
45] Tetrachloroethene	6.65	164	39	Below Cal		89	
51] m,p-Xylene	7.65	106	96	0.017	ppb	82	
75) Naphthalene	11.83	128	82	0.086	ppb	69	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS13\11-19-22\
 Data File : 111913.D
 Acq On : 20 Nov 2022 01:04 am
 Operator : JCM
 Sample : 211274-05 1/0.25
 Misc : soil
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS13

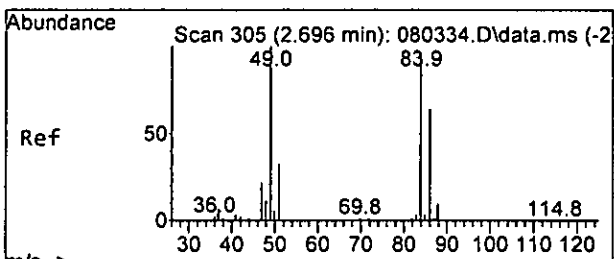
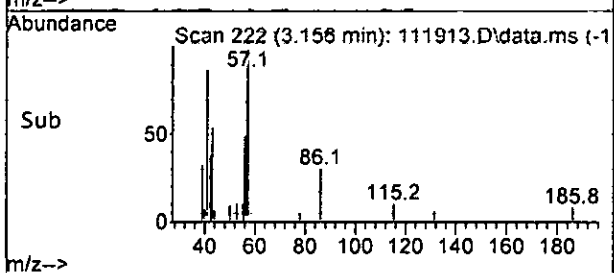
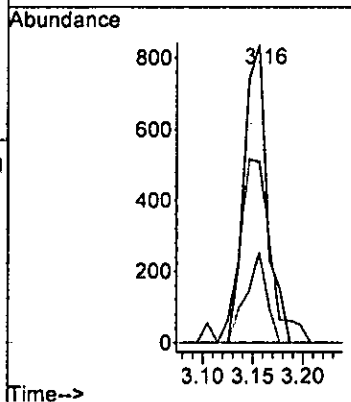
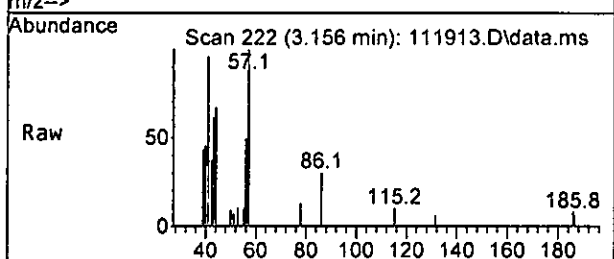
Quant Time: Nov 21 11:55:18 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M





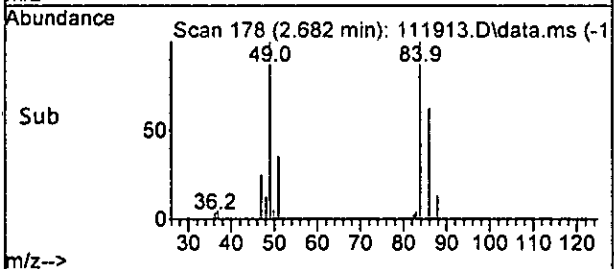
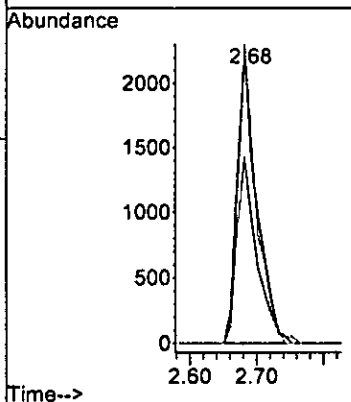
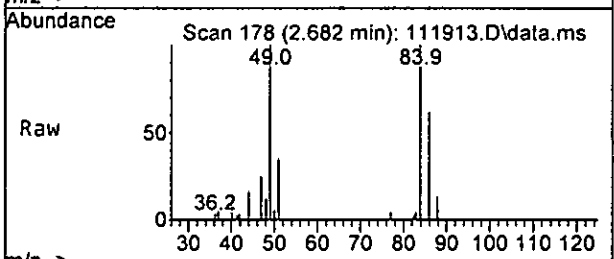
#13
 Hexane
 Concen: 0.417 ppb
 RT: 3.16 min Scan# 222
 Delta R.T. -0.001 min
 Lab File: 111913.D
 Acq: 20 Nov 2022 01:04 am

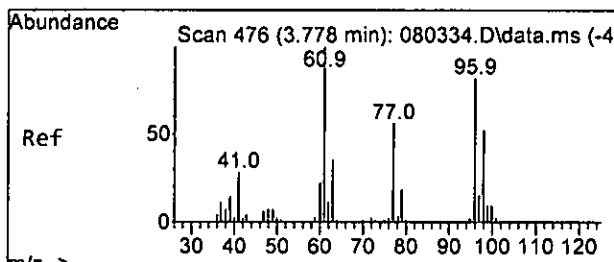
Tgt Ion	Resp	Lower	Upper
57	100		
43	60.6	35.4	95.4
86	30.4	0.0	44.8



#14
 Methylene chloride
 Concen: 0.466 ppb
 RT: 2.68 min Scan# 178
 Delta R.T. -0.000 min
 Lab File: 111913.D
 Acq: 20 Nov 2022 01:04 am

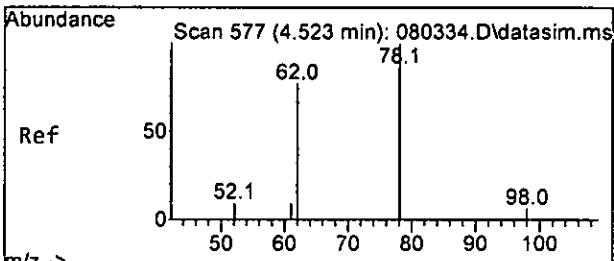
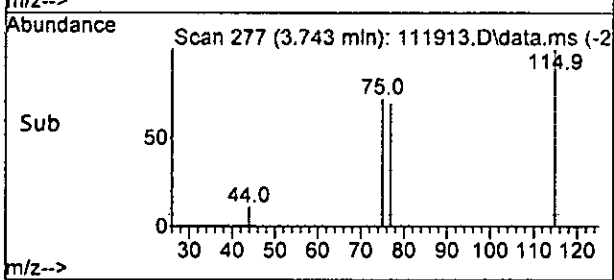
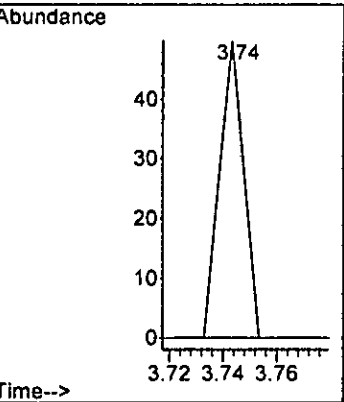
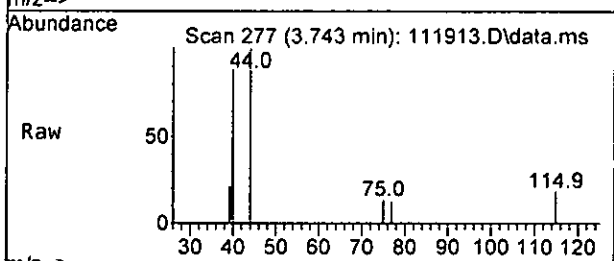
Tgt Ion	Resp	Lower	Upper
84	100		
86	61.9	37.1	97.1
49	100.1	81.3	141.3





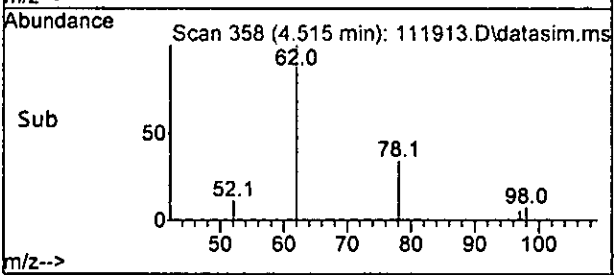
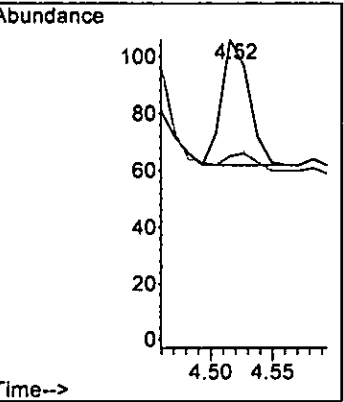
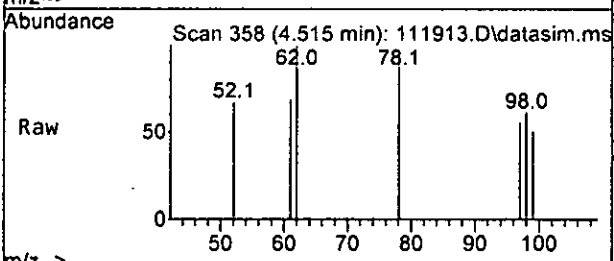
#21
 2,2-Dichloropropane
 Concen: Below Cal
 RT: 3.74 min Scan# 277
 Delta R.T. -0.032 min
 Lab File: 111913.D
 Acq: 20 Nov 2022 01:04 am

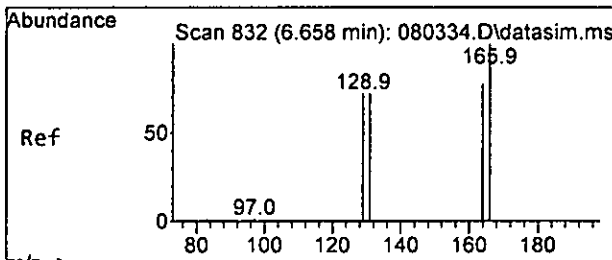
Tgt Ion	Resp	Lower	Upper
77	100		
97	0.0	0.0	56.8



#26
 1,2-Dichloroethane (EDC)
 Concen: Below Cal
 RT: 4.52 min Scan# 358
 Delta R.T. -0.012 min
 Lab File: 111913.D
 Acq: 20 Nov 2022 01:04 am

Tgt Ion	Resp	Lower	Upper
62	100		
98	11.4	0.0	40.1

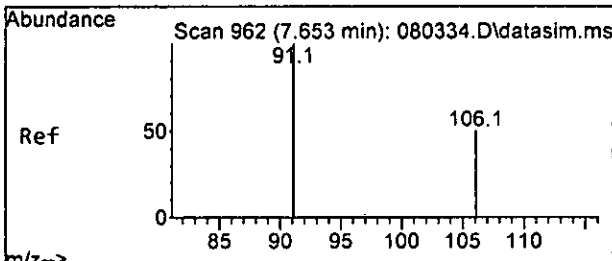
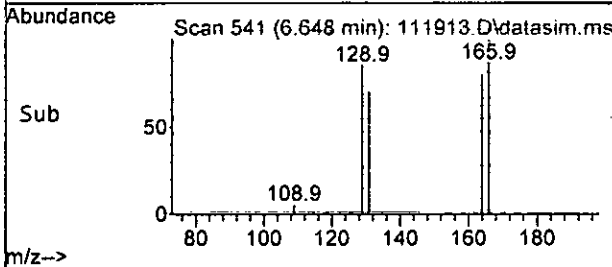
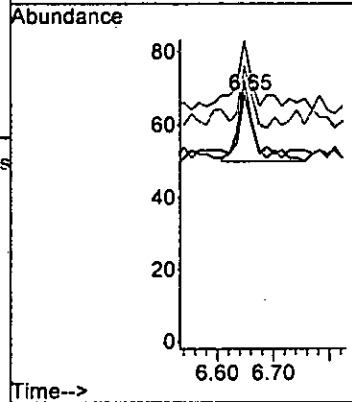
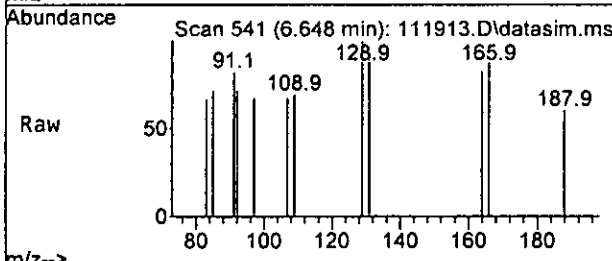




#45
 Tetrachloroethene
 Concen: Below Cal
 RT: 6.65 min Scan# 541
 Delta R.T.: -0.000 min
 Lab File: 111913.D
 Acq: 20 Nov 2022 01:04 am

Tgt Ion: 164 Resp: 39

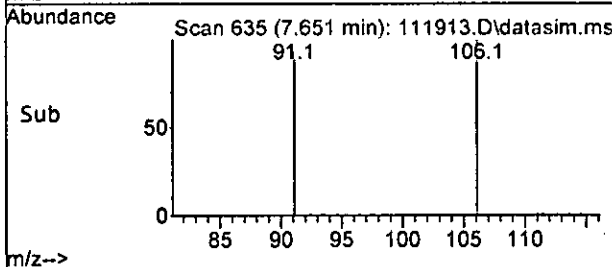
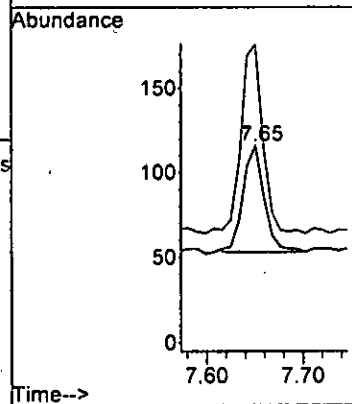
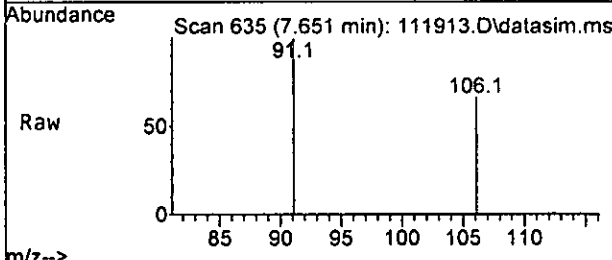
Ion	Ratio	Lower	Upper
164	100		
129	88.9	72.1	132.1
131	88.9	64.8	124.8
166	105.6	90.0	150.0

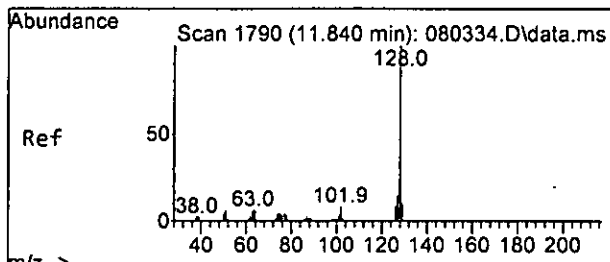


#51
 m,p-Xylene
 Concen: 0.017 ppb
 RT: 7.65 min Scan# 635
 Delta R.T.: -0.000 min
 Lab File: 111913.D
 Acq: 20 Nov 2022 01:04 am

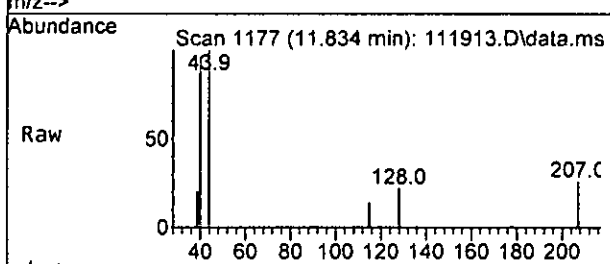
Tgt Ion: 106 Resp: 96

Ion	Ratio	Lower	Upper
106	100		
91	177.8	175.7	235.7



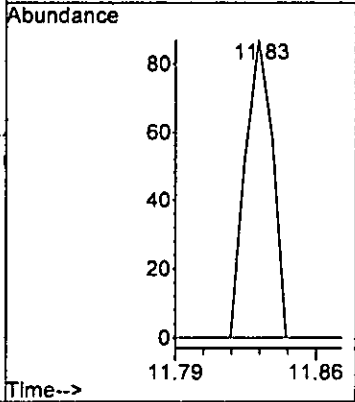
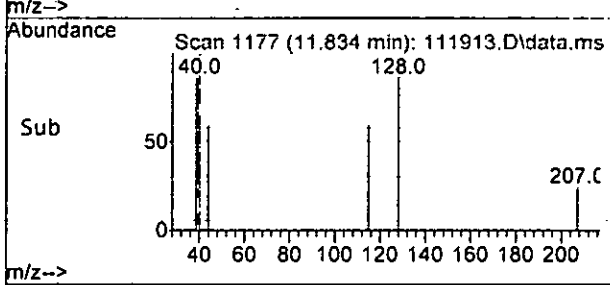


#75
 Naphthalene
 Concen: 0.086 ppb
 RT: 11.83 min Scan# 1177
 Delta R.T. -0.001 min
 Lab File: 111913.0
 Acq: 20 Nov 2022 01:04 am



Tgt Ion: 128 Resp: 82

Ion	Ratio	Lower	Upper
128	100		
129	0.0	0.0	40.8
127	0.0	0.0	43.1



Data Path : D:\Proc_GCMS13\11-19-22\
 Data File : 111913.D
 Acq On : 20 Nov 2022 01:04 am
 Operator : JCM
 Sample : 211274-05 1/0.25
 Misc : soil
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 11:55:18 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	4.73	96	99589	10.000	ppb	-0.01	
39) Chlorobenzene-d5	7.40	117	94508	10.000	ppb	0.00	
56) 1,4-Dichlorobenzene-d4	9.62	152	56069	10.000	ppb	0.00	
System Monitoring Compounds							
3) Dibromofluoromethane	4.17	113	33181	10.390	ppb	0.00	
Spiked Amount	10.000	Range 50 - 150	Recovery	=	103.90%		
30) 1,2-Dichloroethane-d4	4.45	102	6429	10.387	ppb	0.00	
Spiked Amount	10.000	Range 84 - 120	Recovery	=	103.90%		
35) Toluene-d8	6.10	98	97675	10.284	ppb	0.00	
Spiked Amount	10.000	Range 73 - 128	Recovery	=	102.80%		
57) 4-Bromofluorobenzene	8.51	95	36971	9.569	ppb	0.00	
Spiked Amount	10.000	Range 57 - 146	Recovery	=	95.70%		
Target Compounds							
							Qvalue
2) Ethanol	2.34	45	135	No Calib			
4) Dichlorodifluoromethane	0.00		0	N.D.			
5) Chloromethane	1.25	50	445	N.D.			
6) Vinyl chloride	0.00		0	N.D. d			
7) Bromomethane	0.00		0	N.D. d			
8) Chloroethane	0.00		0	N.D.			
9) Trichlorofluoromethane	0.00		0	N.D.			
10) 2-Propanol	2.34	45	135	No Calib	#		
11) Acetone	0.00		0	N.D.			
12) 1,1-Dichloroethene	0.00		0	N.D.			
13) Hexane	3.16	57	1344	0.417	ppb	88	
14) Methylene chloride	2.68	84	4465	0.466	ppb	91	
15) t-Butyl alcohol (TBA)	0.00		0	N.D.			
16) Methyl t-butyl ether (...)	0.00		0	N.D.			
17) trans-1,2-Dichloroethene	0.00		0	N.D.			
18) Diisopropyl ether (DIPE)	3.31	45	35	N.D.			
19) 1,1-Dichloroethane	0.00		0	N.D.			
20) Ethyl t-butyl ether (E...)	0.00		0	N.D.			
21) 2,2-Dichloropropane	3.74	77	31	Below Cal		48	
22) cis-1,2-Dichloroethene	0.00		0	N.D.			
23) Chloroform	0.00		0	N.D.			
24) 2-Butanone (MEK)	0.00		0	N.D. d			
25) t-Amyl methyl ether (T...)	0.00		0	N.D.			
26] 1,2-Dichloroethane (EDC)	4.52	62	68	Below Cal		97	
27) 1,1,1-Trichloroethane	0.00		0	N.D.			
28) 1,1-Dichloropropene	0.00		0	N.D.			
29) Carbon tetrachloride	0.00		0	N.D.			
31) Benzene	4.50	78	50	N.D.			
32) Trichloroethene	0.00		0	N.D. d			
33) 1,2-Dichloropropane	0.00		0	N.D.			
34) Bromodichloromethane	0.00		0	N.D.			
36) Dibromomethane	0.00		0	N.D.			

Data Path : D:\Proc_GCMS13\11-19-22\
 Data File : 111913.D
 Acq On : 20 Nov 2022 01:04 am
 Operator : JCM
 Sample : 211274-05 1/0.25
 Misc : soil
 ALS Vial : 8 Sample Multiplier: 1
 InstName : GCMS13

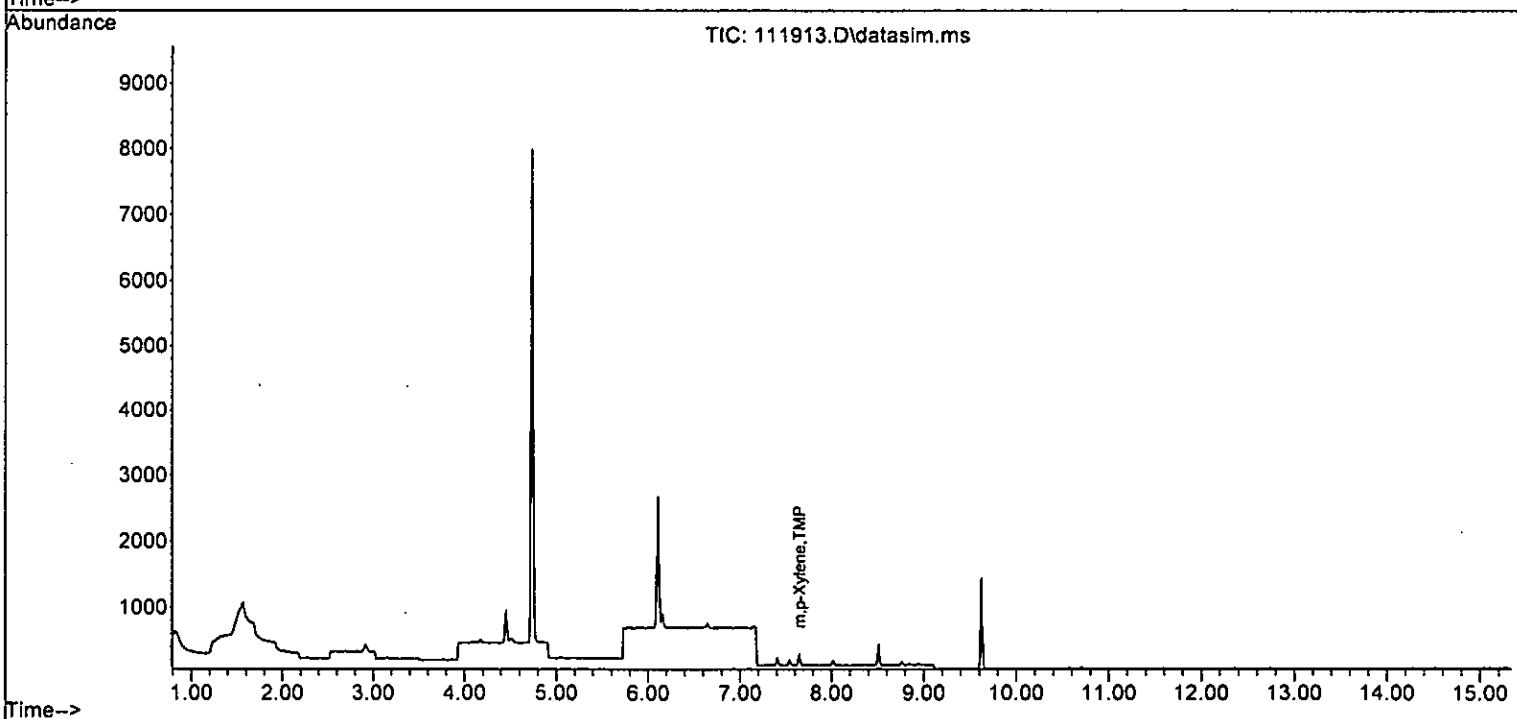
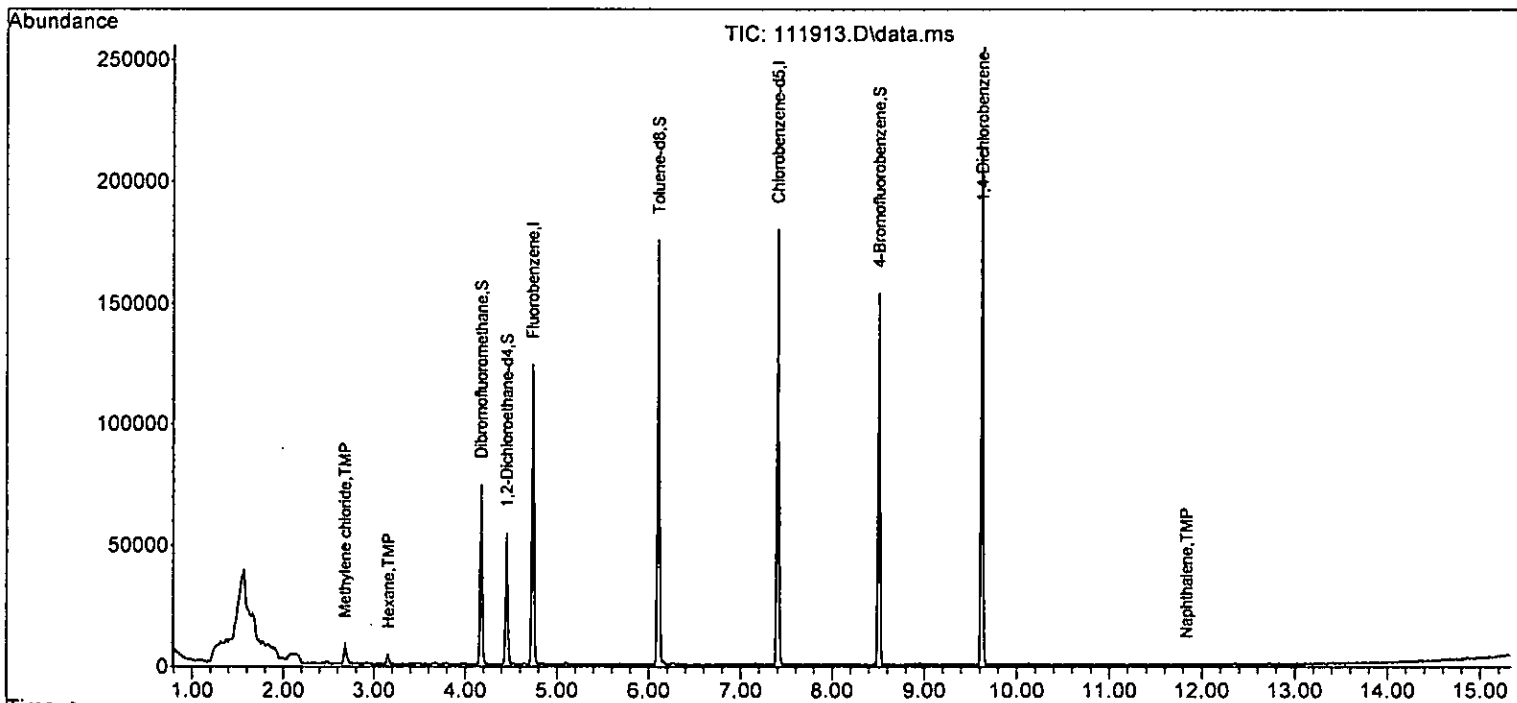
Quant Time: Nov 21 11:55:18 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.00		0		N.D.	
38) cis-1,3-Dichloropropene	0.00		0		N.D.	
40) Toluene	6.16	92	133		N.D.	
41) trans-1,3-Dichloropropene	0.00		0		N.D. d	
42) 1,1,2-Trichloroethane	0.00		0		N.D.	
43) 2-Hexanone	0.00		0		N.D. d	
44) 1,3-Dichloropropane	0.00		0		N.D.	
45] Tetrachloroethene	6.65	164	39	Below Cal		89
46) Dibromochloromethane	0.00		0		N.D.	
47) 1,2-Dibromoethane (EDB)	0.00		0		N.D.	
48) Chlorobenzene	0.00		0		N.D.	
49) Ethylbenzene	7.54	91	93		N.D.	
50) 1,1,1,2-Tetrachloroethane	0.00		0		N.D.	
51] m,p-Xylene	7.65	106	96	0.017	ppb	82
52) o-Xylene	8.02	106	40		N.D.	
53) Styrene	8.03	104	27		N.D.	
54) Isopropylbenzene	8.36	105	136		N.D.	
55) Bromoform	0.00		0		N.D.	
58) n-Propylbenzene	8.76	91	65		N.D.	
59) Bromobenzene	0.00		0		N.D.	
60) 1,3,5-Trimethylbenzene	8.94	105	67		N.D.	
61) 1,1,2,2-Tetrachloroethane	0.00		0		N.D.	
62) 1,2,3-Trichloropropane	0.00		0		N.D. d	
63) 2-Chlorotoluene	8.76	91	65		N.D.	
64) 4-Chlorotoluene	8.76	91	65		N.D.	
65) tert-Butylbenzene	0.00		0		N.D.	
66) 1,2,4-Trimethylbenzene	9.29	105	174		N.D.	
67) sec-Butylbenzene	9.29	105	174		N.D.	
68) p-Isopropyltoluene	9.62	119	110		N.D.	
69) 1,3-Dichlorobenzene	0.00		0		N.D.	
70) 1,4-Dichlorobenzene	0.00		0		N.D.	
71) 1,2-Dichlorobenzene	0.00		0		N.D.	
72) 1,2-Dibromo-3-chloropr...	0.00		0		N.D.	
73) 1,2,4-Trichlorobenzene	0.00		0		N.D.	
74) Hexachlorobutadiene	0.00		0		N.D.	
75) Naphthalene	11.83	128	82	0.086	ppb	69
76) 1,2,3-Trichlorobenzene	0.00		0		N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS13\11-19-22\
Data File : 111913.D
Acq On : 20 Nov 2022 01:04 am
Operator : JCM
Sample : 211274-05 1/0.25
Misc : soil
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Nov 21 11:55:18 2022
Quant Method : D:\Methods\Inst13\VB110522ms13LL.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
QLast Update : Mon Nov 07 15:16:10 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M



Data Path : D:\Proc_GCMS13\11-19-22\
 Data File : 111914.D
 Acq On : 20 Nov 2022 01:27 am
 Operator : JCM
 Sample : 211274-06 1/0.25
 Misc : soil
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 11:55:20 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

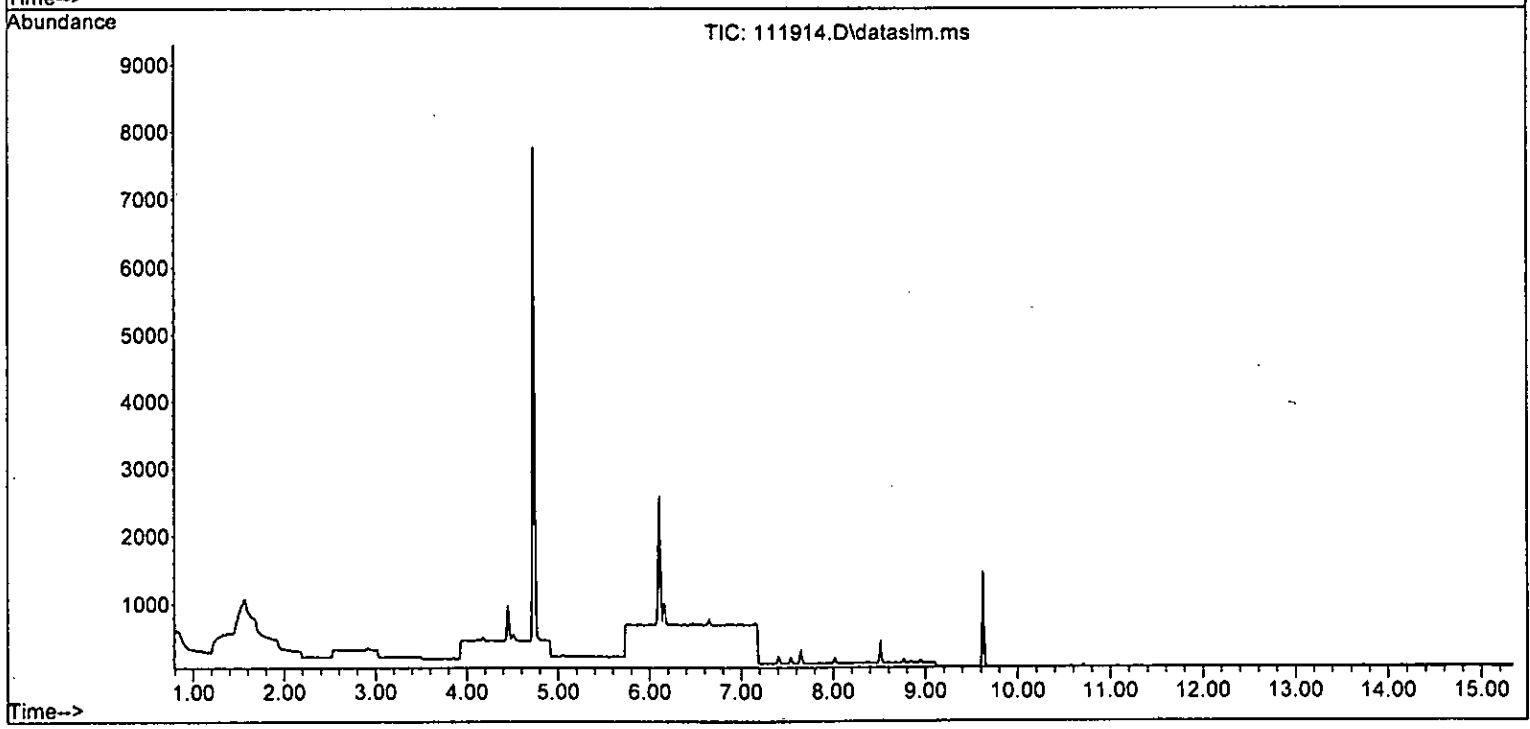
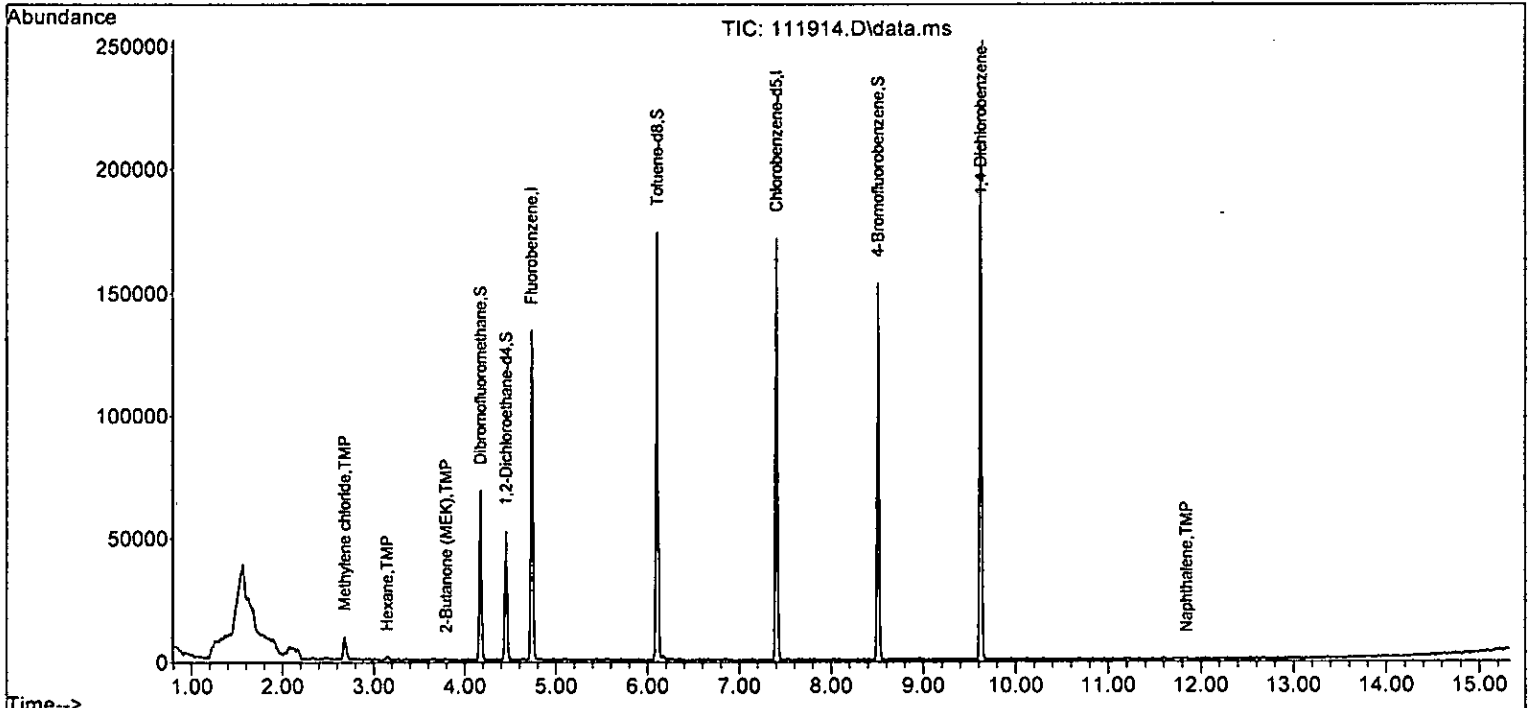
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

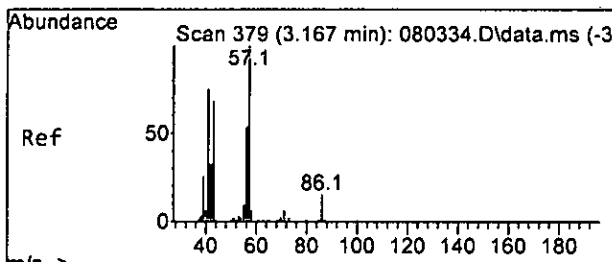
Internal Standards						
1) Fluorobenzene	4.73	96	98759	10.000	ppb	-0.01
39) Chlorobenzene-d5	7.41	117	92257	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	55539	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.18	113	33228	10.492	ppb	0.00
Spiked Amount	10.000	Range	50 - 150	Recovery	=	104.90%
30) 1,2-Dichloroethane-d4	4.46	102	6194	10.092	ppb	0.00
Spiked Amount	10.000	Range	84 - 120	Recovery	=	100.90%
35) Toluene-d8	6.11	98	95775	10.168	ppb	0.00
Spiked Amount	10.000	Range	73 - 128	Recovery	=	101.70%
57) 4-Bromofluorobenzene	8.51	95	36415	9.516	ppb	0.00
Spiked Amount	10.000	Range	57 - 146	Recovery	=	95.20%
Target Compounds						
11) Acetone	2.34	58	37	Below Cal	#	1
13) Hexane	3.15	57	504	0.158	ppb	93
14) Methylene chloride	2.68	84	5097	0.720	ppb	96
24) 2-Butanone (MEK)	3.80	43	451	0.107	ppb	55
26] 1,2-Dichloroethane (EDC)	4.52	62	89	Below Cal		82
45] Tetrachloroethene	6.65	164	31	Below Cal	#	83
61) 1,1,2,2-Tetrachloroethane	8.51	83	137	Below Cal	#	3
75) Naphthalene	11.84	128	268	0.104	ppb	69

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS13\11-19-22\
 Data File : 111914.D
 Acq On : 20 Nov 2022 01:27 am
 Operator : JCM
 Sample : 211274-06 1/0.25
 Misc : soil
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS13

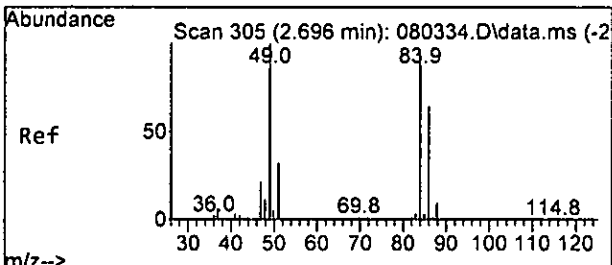
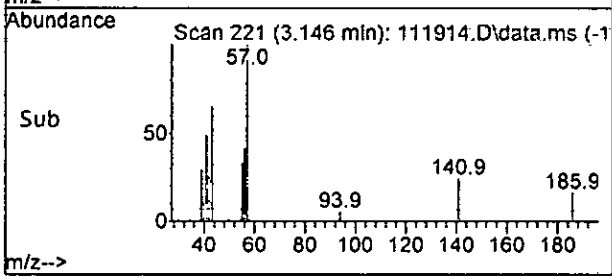
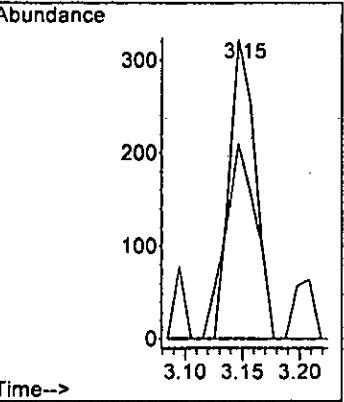
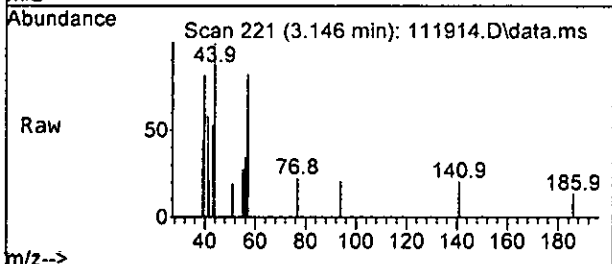
Quant Time: Nov 21 11:55:20 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M





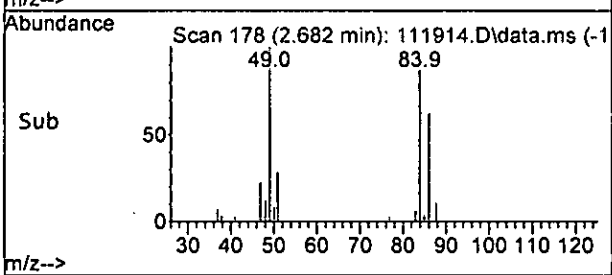
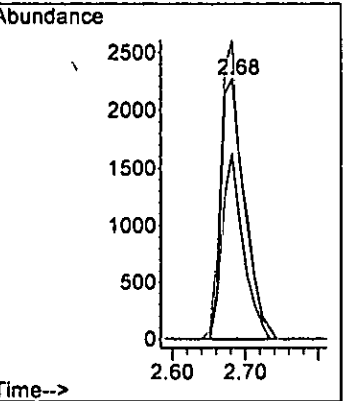
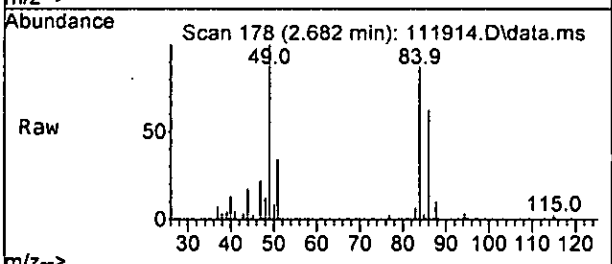
#13
 Hexane
 Concen: 0.158 ppb
 RT: 3.15 min Scan# 221
 Delta R.T. -0.011 min
 Lab File: 111914.D
 Acq: 20 Nov 2022 01:27 am

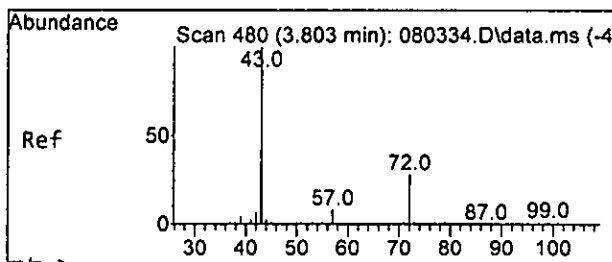
Tgt Ion	Resp	Lower	Upper
57	100		
43	65.0	35.4	95.4
86	0.0	0.0	44.8



#14
 Methylene chloride
 Concen: 0.720 ppb
 RT: 2.68 min Scan# 178
 Delta R.T. 0.000 min
 Lab File: 111914.D
 Acq: 20 Nov 2022 01:27 am

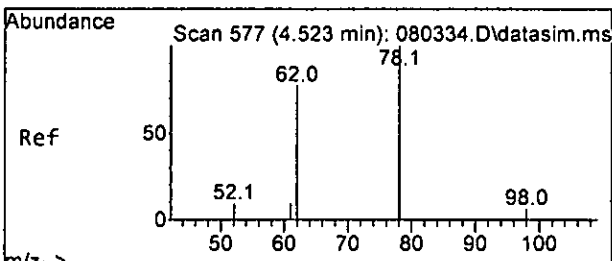
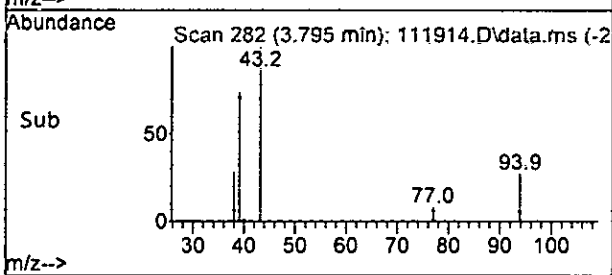
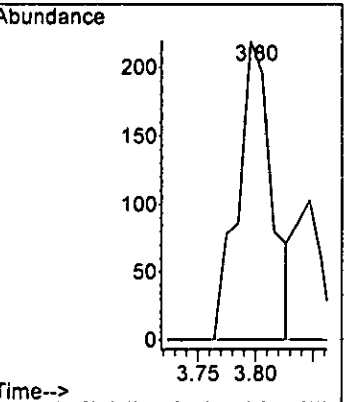
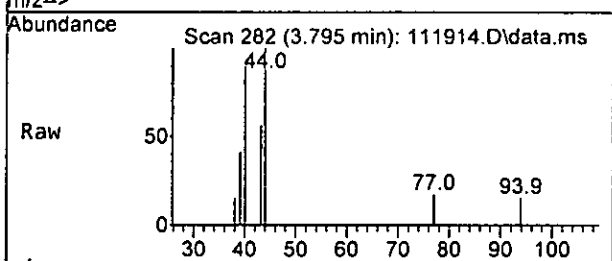
Tgt Ion	Resp	Lower	Upper
84	100		
86	71.6	37.1	97.1
49	114.9	81.3	141.3





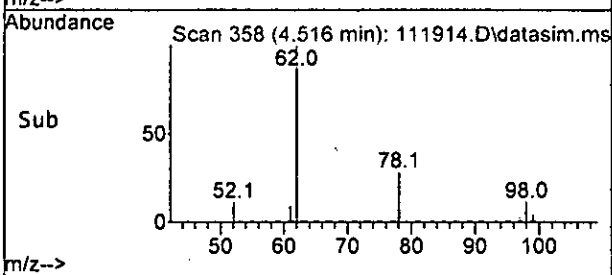
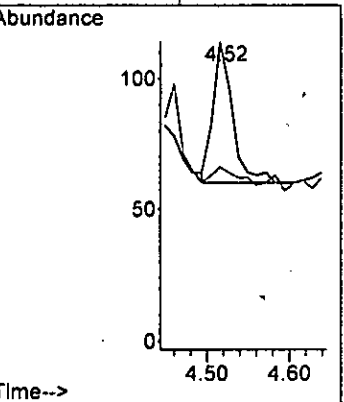
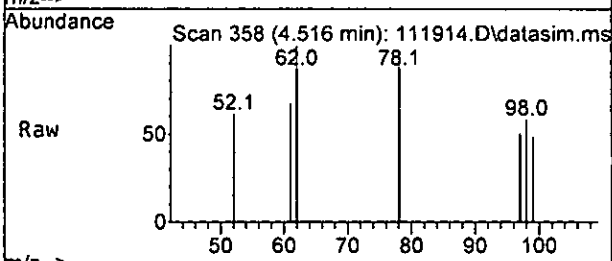
#24
 2-Butanone (MEK)
 Concen: 0.107 ppb
 RT: 3.80 min Scan# 282
 Delta R.T. 0.000 min
 Lab File: 111914.D
 Acq: 20 Nov 2022 01:27 am

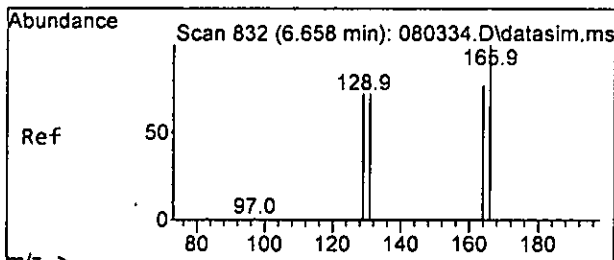
Tgt Ion	Resp	Lower	Upper
43	100		
72	0.0	0.0	57.0
57	0.0	0.0	28.0



#26
 1,2-Dichloroethane (EDC)
 Concen: Below Cal
 RT: 4.52 min Scan# 358
 Delta R.T. -0.011 min
 Lab File: 111914.D
 Acq: 20 Nov 2022 01:27 am

Tgt Ion	Resp	Lower	Upper
62	100		
98	16.7	0.0	40.1

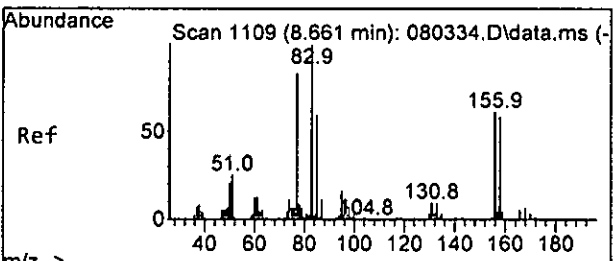
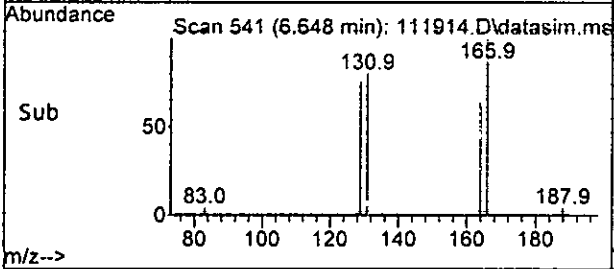
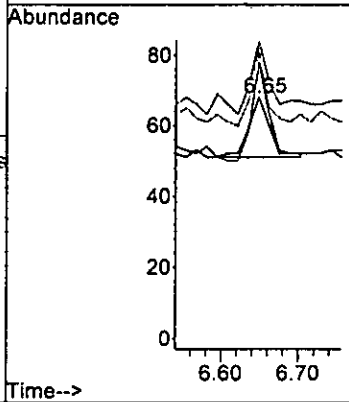
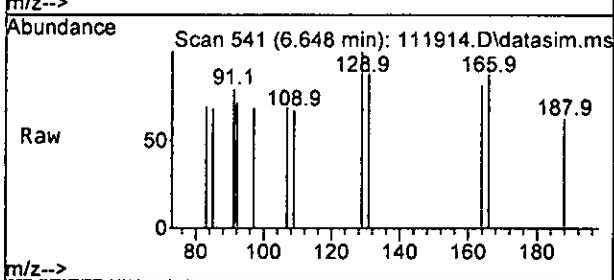




#45
 Tetrachloroethene
 Concen: Below Cal
 RT: 6.65 min Scan# 541
 Delta R.T. 0.000 min
 Lab File: 111914.D
 Acq: 20 Nov 2022 01:27 am

Tgt Ion: 164 Resp: 31

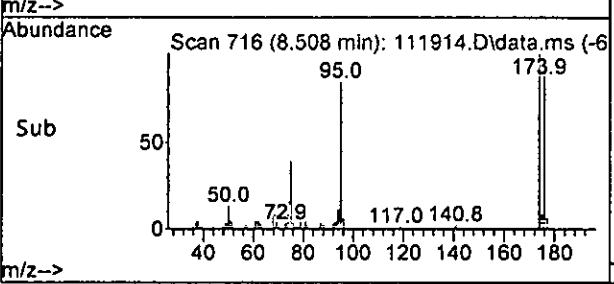
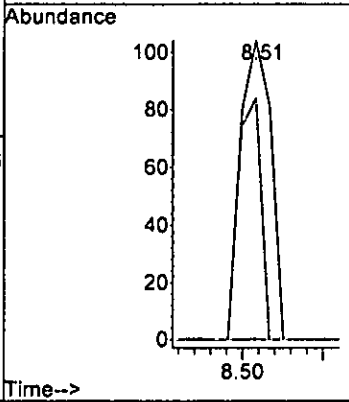
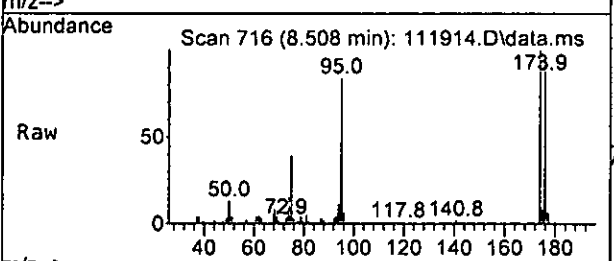
Ion	Ratio	Lower	Upper
164	100		
129	100.0	72.1	132.1
131	105.9	64.8	124.8
166	158.8	90.0	150.0#

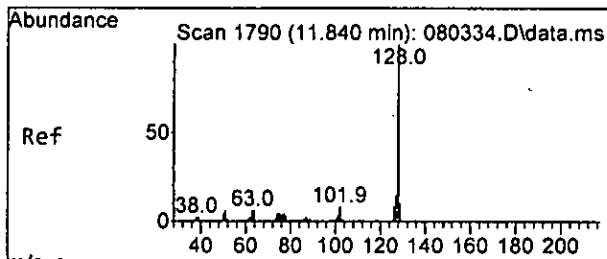


#61
 1,1,2,2-Tetrachloroethane
 Concen: Below Cal
 RT: 8.51 min Scan# 716
 Delta R.T. -0.147 min
 Lab File: 111914.D
 Acq: 20 Nov 2022 01:27 am

Tgt Ion: 83 Resp: 137

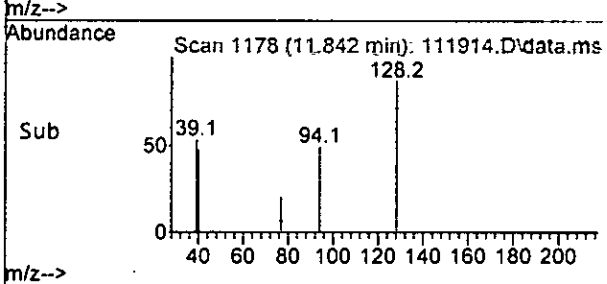
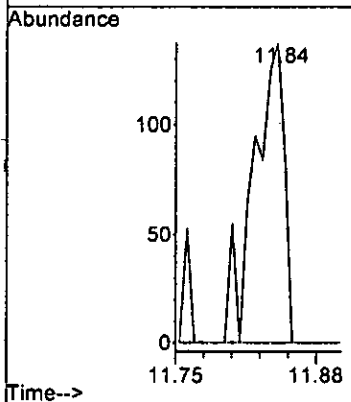
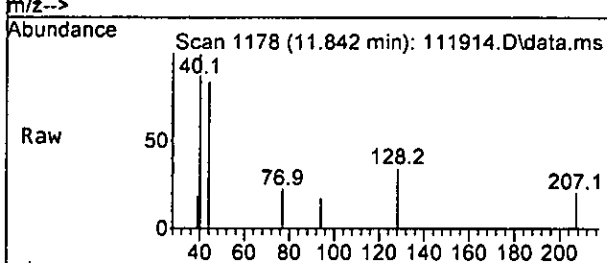
Ion	Ratio	Lower	Upper
83	100		
131	80.8	0.0	40.8#
85	0.0	36.2	96.2#





#75
 Naphthalene
 Concen: 0.104 ppb
 RT: 11.84 min Scan# 1178
 Delta R.T. 0.007 min
 Lab File: 111914.D
 Acq: 20 Nov 2022 01:27 am

Tgt Ion	Resp	Lower	Upper
128	100		
129	0.0	0.0	40.8
127	0.0	0.0	43.1



Data Path : D:\Proc_GCMS13\11-19-22\
 Data File : 111914.D
 Acq On : 20 Nov 2022 01:27 am
 Operator : JCM
 Sample : 211274-06 1/0.25
 Misc : soil
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 11:55:20 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	4.73	96	98759	10.000	ppb	-0.01	
39) Chlorobenzene-d5	7.41	117	92257	10.000	ppb	0.00	
56) 1,4-Dichlorobenzene-d4	9.62	152	55539	10.000	ppb	0.00	
System Monitoring Compounds							
3) Dibromofluoromethane	4.18	113	33228	10.492	ppb	0.00	
Spiked Amount	10.000	Range 50 - 150	Recovery	=	104.90%		
30) 1,2-Dichloroethane-d4	4.46	102	6194	10.092	ppb	0.00	
Spiked Amount	10.000	Range 84 - 120	Recovery	=	100.90%		
35) Toluene-d8	6.11	98	95775	10.168	ppb	0.00	
Spiked Amount	10.000	Range 73 - 128	Recovery	=	101.70%		
57) 4-Bromofluorobenzene	8.51	95	36415	9.516	ppb	0.00	
Spiked Amount	10.000	Range 57 - 146	Recovery	=	95.20%		
Target Compounds							
2) Ethanol	2.34	45	191	No Calib			Qvalue
4) Dichlorodifluoromethane	0.00		0	N.D.			
5) Chloromethane	1.26	50	365	N.D.			
6) Vinyl chloride	0.00		0	N.D.			
7) Bromomethane	0.00		0	N.D. d			
8) Chloroethane	0.00		0	N.D.			
9) Trichlorofluoromethane	0.00		0	N.D.			
10) 2-Propanol	2.34	45	191	No Calib	#		
11) Acetone	2.34	58	37	Below Cal	#	1	
12) 1,1-Dichloroethene	0.00		0	N.D.			
13) Hexane	3.15	57	504	0.158	ppb	93	
14) Methylene chloride	2.68	84	5097	0.720	ppb	96	
15) t-Butyl alcohol (TBA)	0.00		0	N.D.			
16) Methyl t-butyl ether (...)	0.00		0	N.D.			
17) trans-1,2-Dichloroethene	0.00		0	N.D.			
18) Diisopropyl ether (DIPE)	3.27	45	32	N.D.			
19) 1,1-Dichloroethane	0.00		0	N.D.			
20) Ethyl t-butyl ether (E...)	0.00		0	N.D.			
21) 2,2-Dichloropropane	3.77	77	101	N.D.			
22) cis-1,2-Dichloroethene	0.00		0	N.D.			
23) Chloroform	0.00		0	N.D.			
24) 2-Butanone (MEK)	3.80	43	451	0.107	ppb	55	
25) t-Amyl methyl ether (T...)	0.00		0	N.D.			
26] 1,2-Dichloroethane (EDC)	4.52	62	89	Below Cal		82	
27) 1,1,1-Trichloroethane	0.00		0	N.D.			
28) 1,1-Dichloropropene	0.00		0	N.D.			
29) Carbon tetrachloride	0.00		0	N.D.			
31) Benzene	4.50	78	87	N.D.			
32) Trichloroethene	0.00		0	N.D. d			
33) 1,2-Dichloropropane	5.23	63	65	N.D.			
34) Bromodichloromethane	0.00		0	N.D.			
36) Dibromomethane	0.00		0	N.D.			

Data Path : D:\Proc_GCMS13\11-19-22\
 Data File : 111914.D
 Acq On : 20 Nov 2022 01:27 am
 Operator : JCM
 Sample : 211274-06 1/0.25
 Misc : soil
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS13

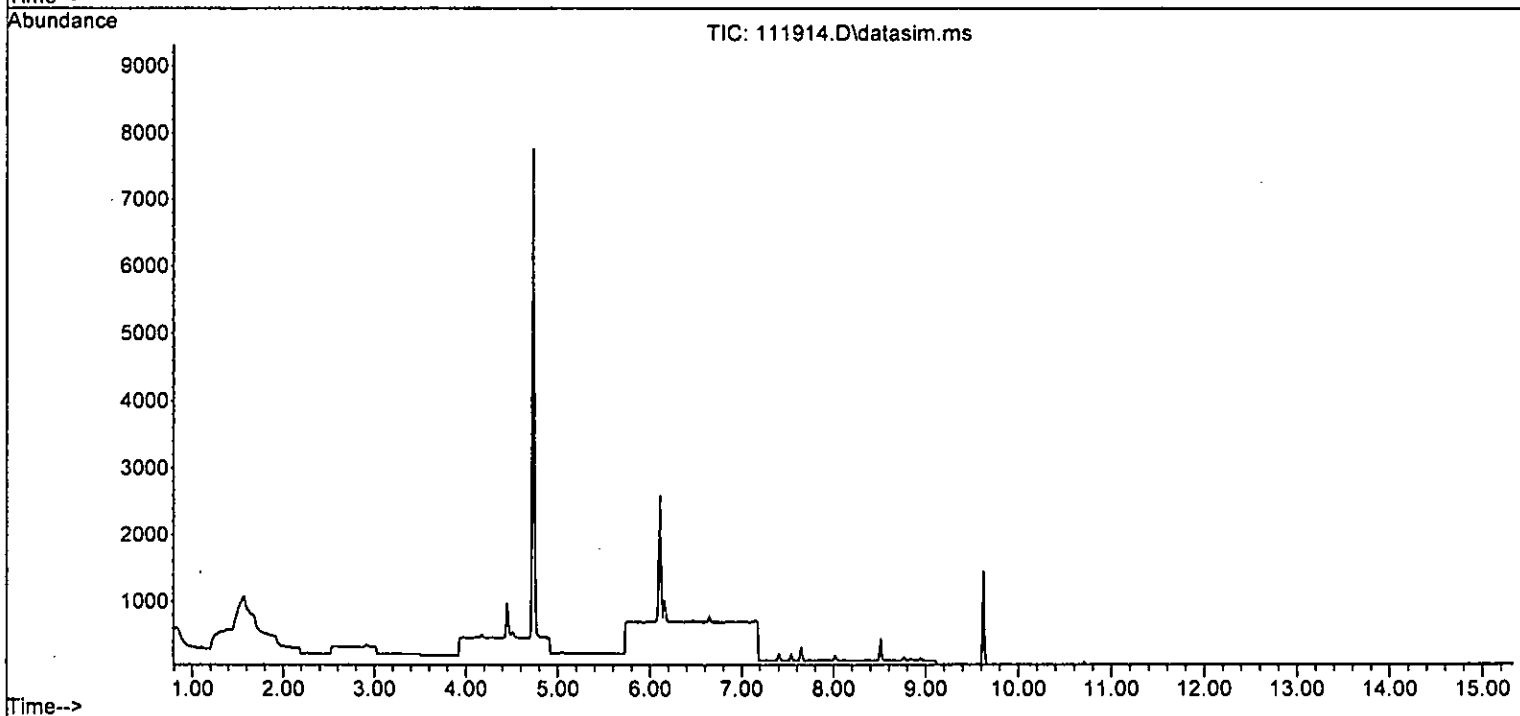
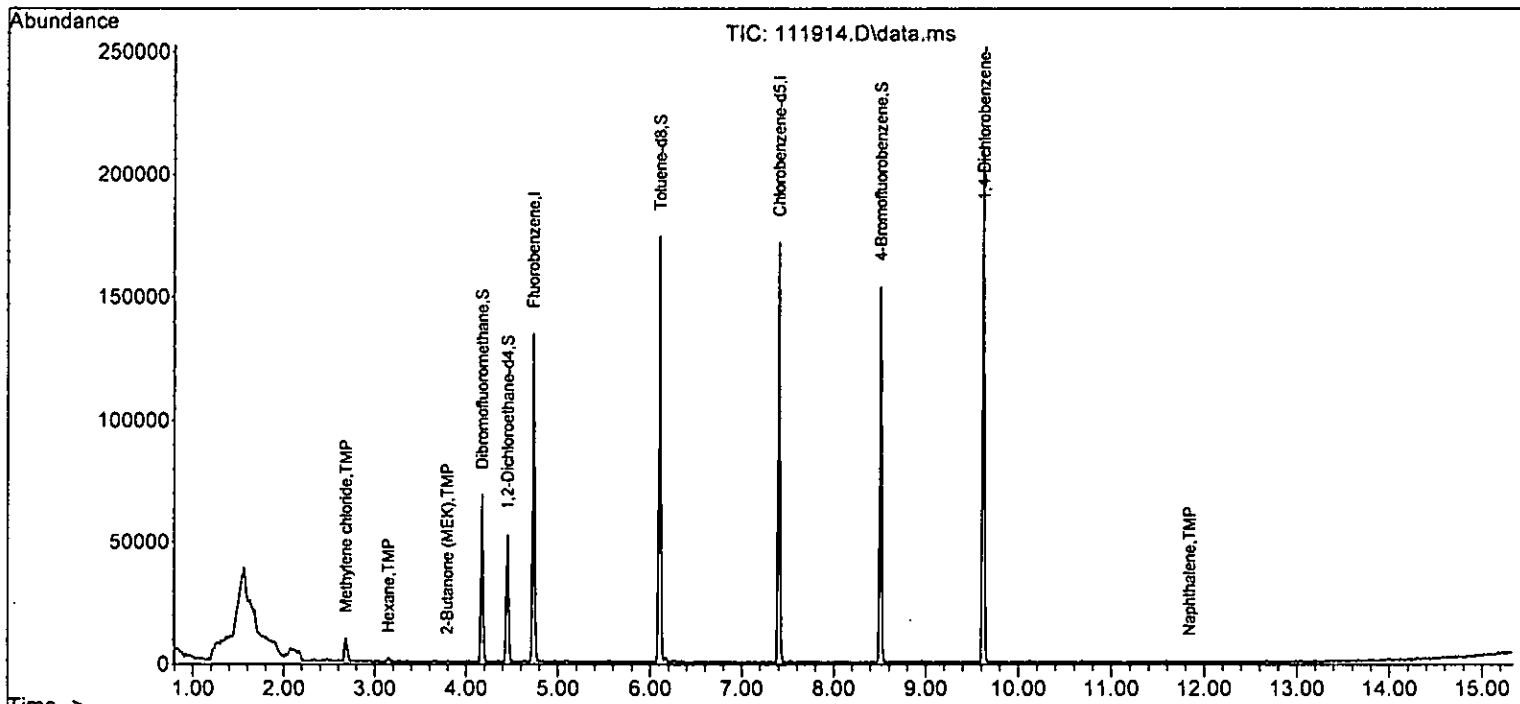
Quant Time: Nov 21 11:55:20 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.00		0		N.D.	
38) cis-1,3-Dichloropropene	0.00		0		N.D.	
40) Toluene	6.16	92	175		N.D.	
41) trans-1,3-Dichloropropene	0.00		0		N.D. d	
42) 1,1,2-Trichloroethane	0.00		0		N.D.	
43) 2-Hexanone	6.72	43	94		N.D.	
44) 1,3-Dichloropropane	0.00		0		N.D.	
45] Tetrachloroethene	6.65	164	31	Below Cal	#	83
46) Dibromochloromethane	0.00		0		N.D.	
47) 1,2-Dibromoethane (EDB)	0.00		0		N.D.	
48) Chlorobenzene	0.00		0		N.D.	
49) Ethylbenzene	7.54	91	95		N.D.	
50) 1,1,1,2-Tetrachloroethane	0.00		0		N.D.	
51) m,p-Xylene	7.54	106	45		N.D.	
52) o-Xylene	8.02	106	50		N.D.	
53) Styrene	8.03	104	41		N.D.	
54) Isopropylbenzene	8.36	105	102		N.D.	
55) Bromoform	0.00		0		N.D.	
58) n-Propylbenzene	8.75	91	63		N.D.	
59) Bromobenzene	0.00		0		N.D.	
60) 1,3,5-Trimethylbenzene	8.93	105	66		N.D.	
61) 1,1,2,2-Tetrachloroethane	8.51	83	137	Below Cal	#	3
62) 1,2,3-Trichloropropane	8.89	75	29		N.D.	
63) 2-Chlorotoluene	8.75	91	63		N.D.	
64) 4-Chlorotoluene	8.75	91	63		N.D.	
65) tert-Butylbenzene	0.00		0		N.D.	
66) 1,2,4-Trimethylbenzene	9.30	105	134		N.D.	
67) sec-Butylbenzene	9.46	105	177		N.D.	
68) p-Isopropyltoluene	9.64	119	27		N.D.	
69) 1,3-Dichlorobenzene	9.64	146	73		N.D.	
70) 1,4-Dichlorobenzene	9.64	146	73		N.D.	
71) 1,2-Dichlorobenzene	0.00		0		N.D.	
72) 1,2-Dibromo-3-chloropr...	0.00		0		N.D.	
73) 1,2,4-Trichlorobenzene	0.00		0		N.D.	
74) Hexachlorobutadiene	0.00		0		N.D.	
75) Naphthalene	11.84	128	268	0.104	ppb	69
76) 1,2,3-Trichlorobenzene	0.00		0		N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS13\11-19-22\
 Data File : 111914.D
 Acq On : 20 Nov 2022 01:27 am
 Operator : JCM
 Sample : 211274-06 1/0.25
 Misc : soil
 ALS Vial : 9 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 11:55:20 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



Data Path : D:\Proc_GCMS13\11-19-22\
 Data File : 111915.D
 Acq On : 20 Nov 2022 01:50 am
 Operator : JCM
 Sample : 211274-07 1/0.25
 Misc : soil
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 11:55:22 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

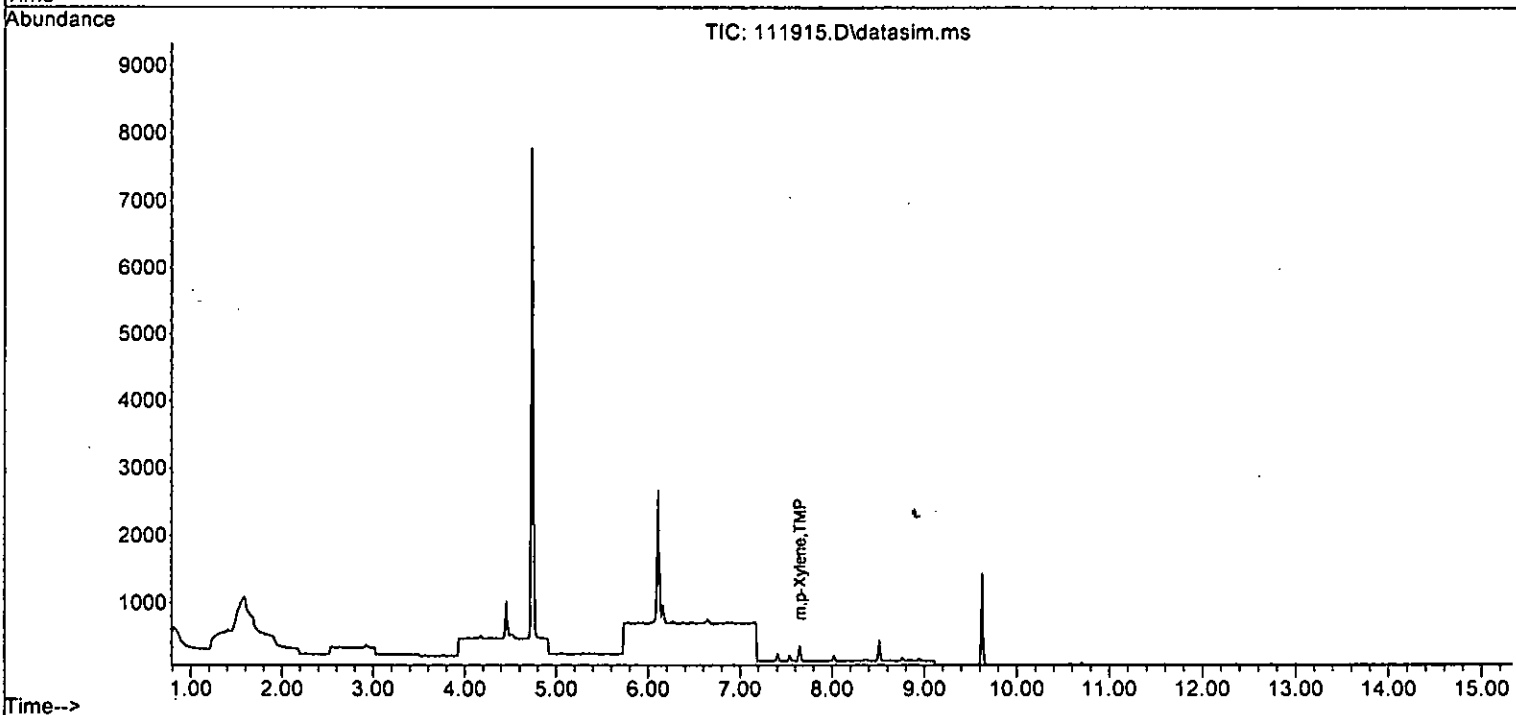
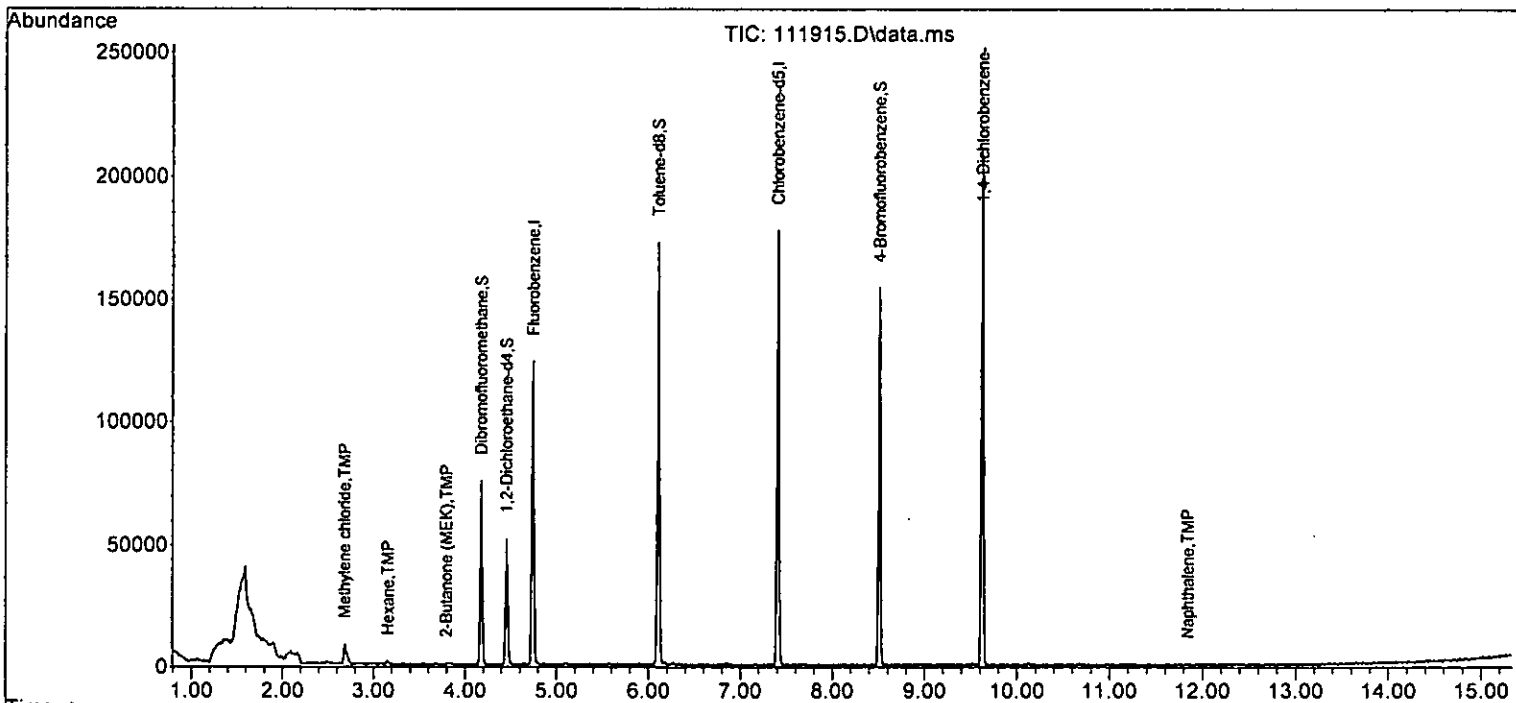
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

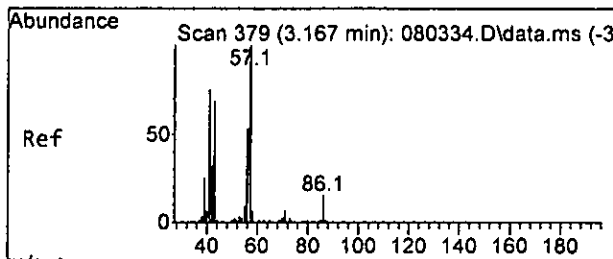
Internal Standards						
1) Fluorobenzene	4.75	96	100019	10.000	ppb	0.00
39) Chlorobenzene-d5	7.40	117	94013	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	55245	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.17	113	33234	10.361	ppb	0.00
Spiked Amount	10.000	Range	50 - 150	Recovery	=	103.60%
30) 1,2-Dichloroethane-d4	4.45	102	6024	9.691	ppb	0.00
Spiked Amount	10.000	Range	84 - 120	Recovery	=	96.90%
35) Toluene-d8	6.11	98	96328	10.098	ppb	0.00
Spiked Amount	10.000	Range	73 - 128	Recovery	=	101.00%
57) 4-Bromofluorobenzene	8.51	95	37229	9.780	ppb	0.00
Spiked Amount	10.000	Range	57 - 146	Recovery	=	97.80%
Target Compounds						
11) Acetone	2.33	58	82	Below Cal	#	1
13) Hexane	3.16	57	386	0.119	ppb #	14
14) Methylene chloride	2.68	84	4672	0.537	ppb	92
24) 2-Butanone (MEK)	3.79	43	596	0.219	ppb	89
26] 1,2-Dichloroethane (EDC)	4.53	62	82	Below Cal		91
28) 1,1-Dichloropropene	4.34	75	60	Below Cal	#	39
42] 1,1,2-Trichloroethane	6.37	83	21	Below Cal	#	15
45] Tetrachloroethene	6.65	164	27	Below Cal	#	69
51] m,p-Xylene	7.65	106	126	0.022	ppb #	80
75) Naphthalene	11.84	128	180	0.096	ppb	69

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS13\11-19-22\
 Data File : 111915.D
 Acq On : 20 Nov 2022 01:50 am
 Operator : JCM
 Sample : 211274-07 1/0.25
 Misc : soil
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS13

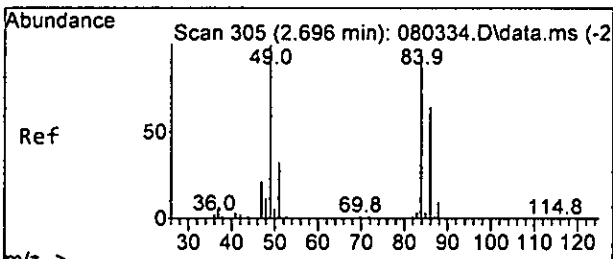
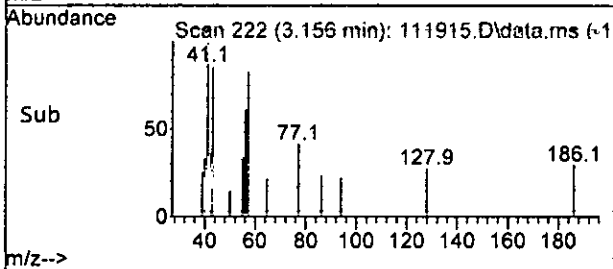
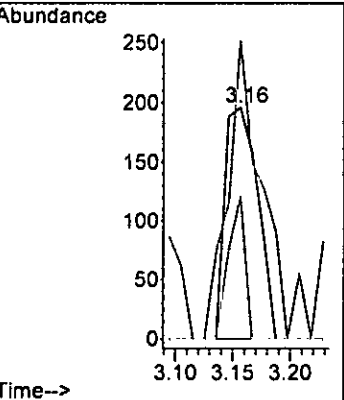
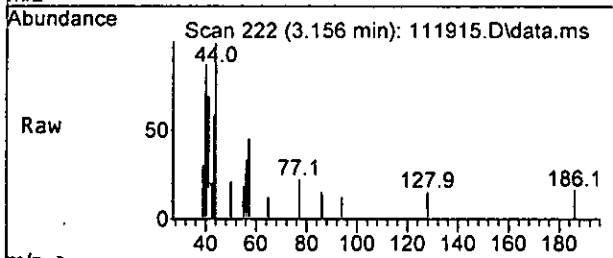
Quant Time: Nov 21 11:55:22 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M





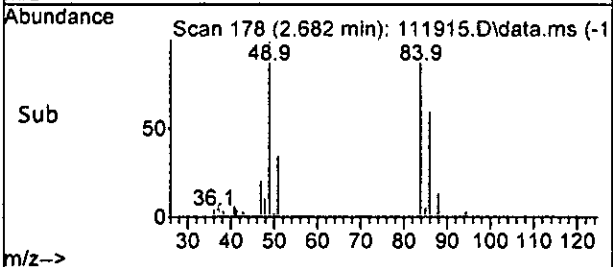
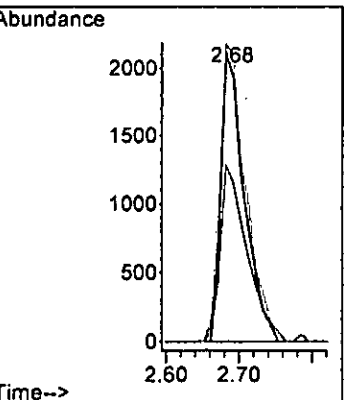
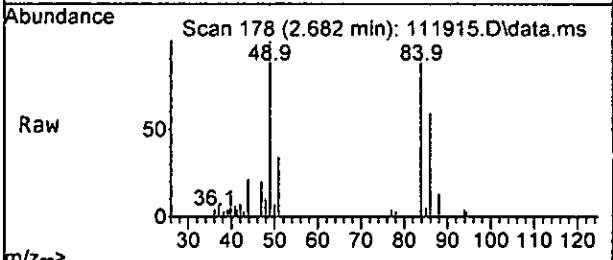
#13
 Hexane
 Concen: 0.119 ppb
 RT: 3.16 min Scan# 222
 Delta R.T. -0.001 min
 Lab File: 111915.D
 Acq: 20 Nov 2022 01:50 am

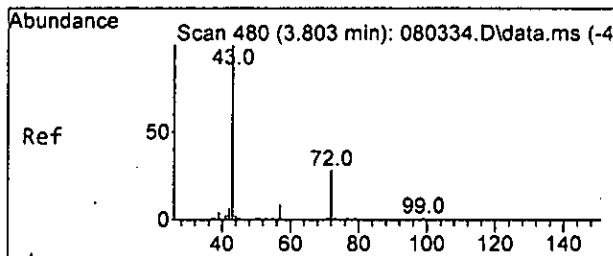
Tgt Ion	Resp	Lower	Upper
57	100		
43	128.6	35.4	95.4#
86	61.7	0.0	44.8#



#14
 Methylene chloride
 Concen: 0.537 ppb
 RT: 2.68 min Scan# 178
 Delta R.T. -0.000 min
 Lab File: 111915.D
 Acq: 20 Nov 2022 01:50 am

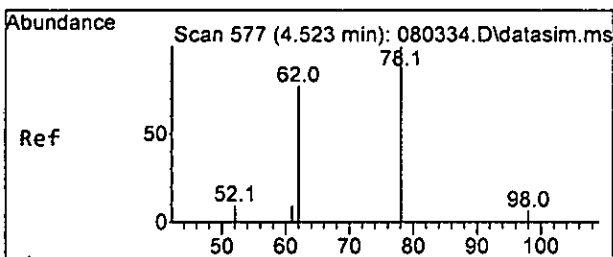
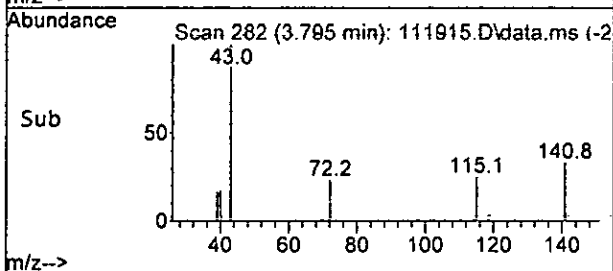
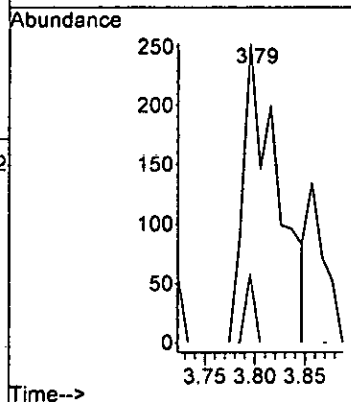
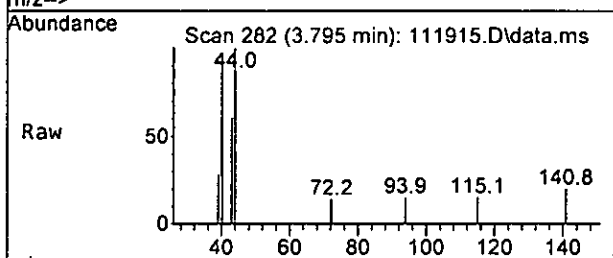
Tgt Ion	Resp	Lower	Upper
84	100		
86	60.4	37.1	97.1
49	102.9	81.3	141.3





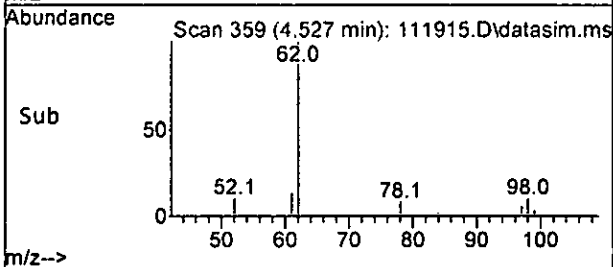
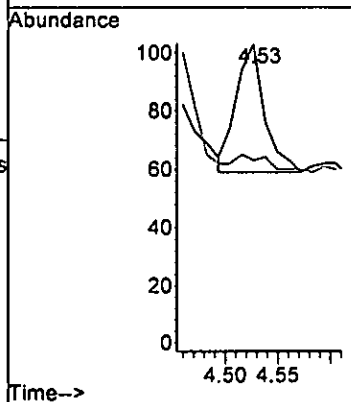
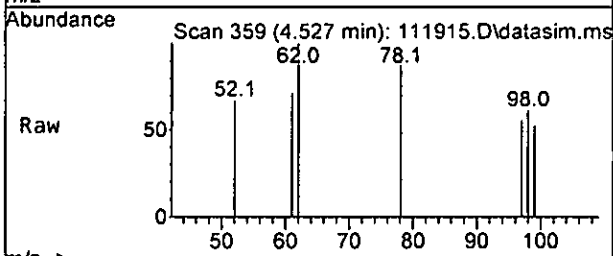
#24
 2-Butanone (MEK)
 Concen: 0.219 ppb
 RT: 3.79 min Scan# 282
 Delta R.T. -0.000 min
 Lab File: 111915.D
 Acq: 20 Nov 2022 01:50 am

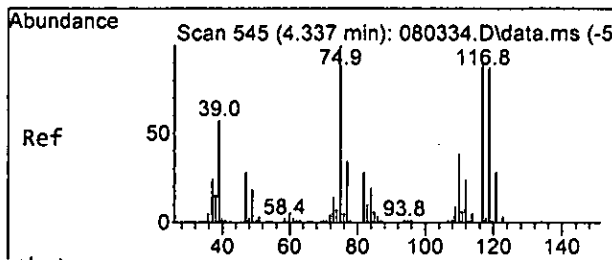
Tgt Ion	Ratio	Lower	Upper
43	100		
72	23.0	0.0	57.0
57	0.0	0.0	28.0



#26
 1,2-Dichloroethane (EDC)
 Concen: Below Cal
 RT: 4.53 min Scan# 359
 Delta R.T. -0.000 min
 Lab File: 111915.D
 Acq: 20 Nov 2022 01:50 am

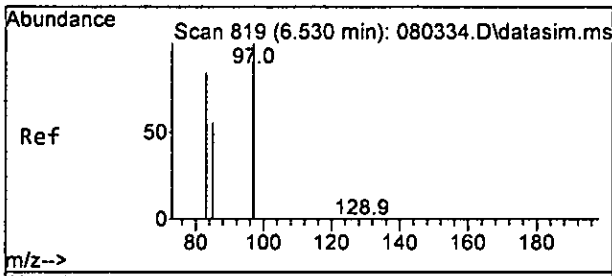
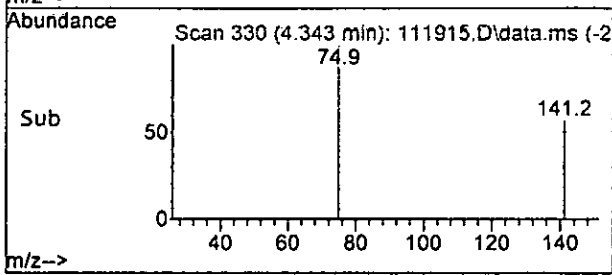
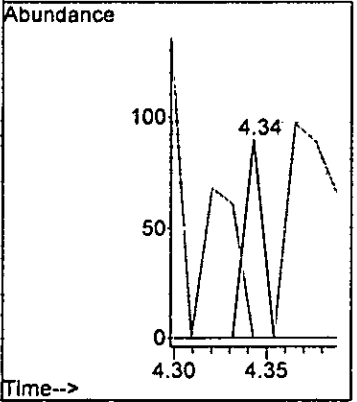
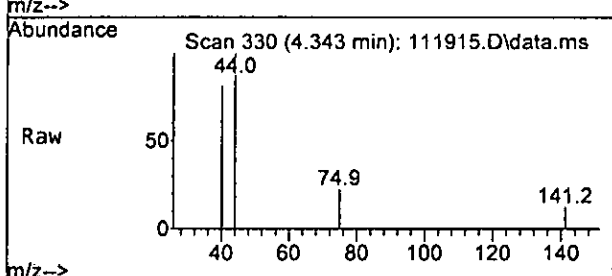
Tgt Ion	Ratio	Lower	Upper
62	100		
98	6.8	0.0	40.1





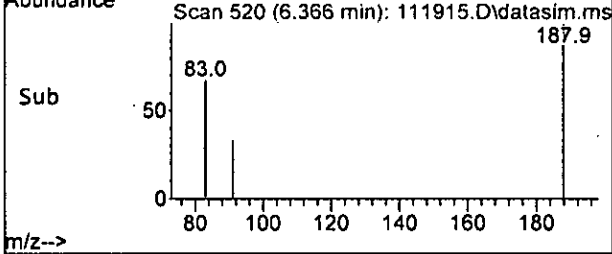
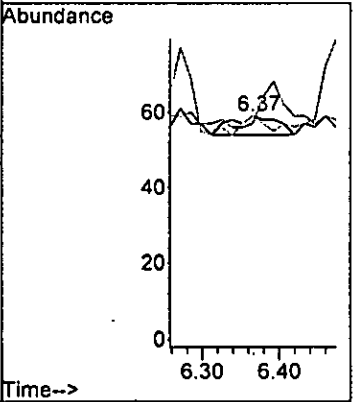
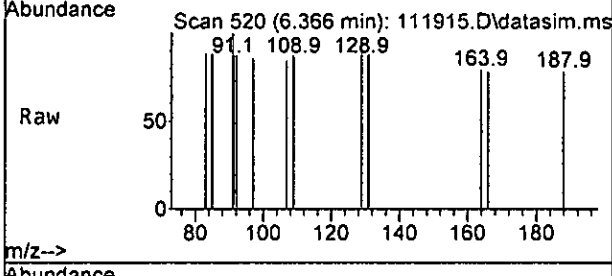
#28
 1,1-Dichloropropene
 Concen: Below Cal
 RT: 4.34 min Scan# 330
 Delta R.T. 0.011 min
 Lab File: 111915.D
 Acq: 20 Nov 2022 01:50 am

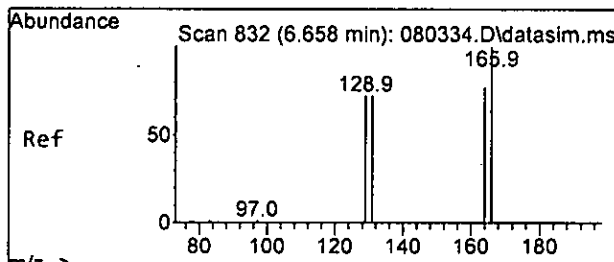
Tgt Ion:	Resp:	Lower	Upper
75	100		
110	0.0	10.6	70.6#
77	0.0	0.1	60.1#



#42
 1,1,2-Trichloroethane
 Concen: Below Cal
 RT: 6.37 min Scan# 520
 Delta R.T. -0.161 min
 Lab File: 111915.D
 Acq: 20 Nov 2022 01:50 am

Tgt Ion:	Resp:	Lower	Upper
83	100		
97	0.0	88.0	148.0#
85	100.0	35.3	95.3#

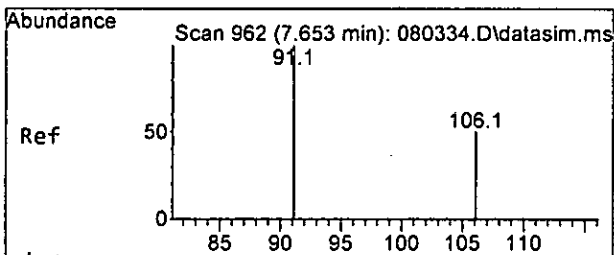
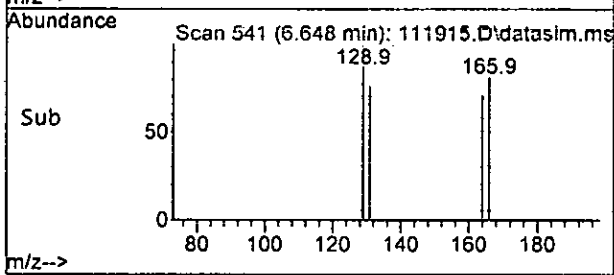
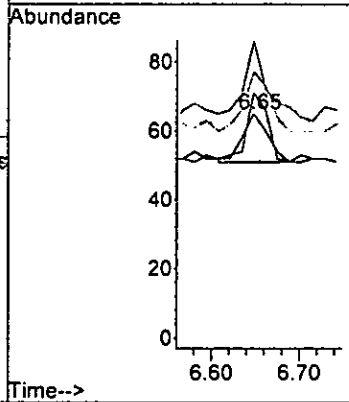
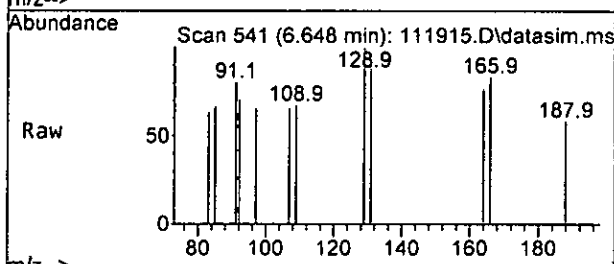




#45
 Tetrachloroethene
 Concen: Below Cal
 RT: 6.65 min Scan# 541
 Delta R.T. -0.000 min
 Lab File: 111915.D
 Acq: 20 Nov 2022 01:50 am

Tgt Ion:164 Resp: 27

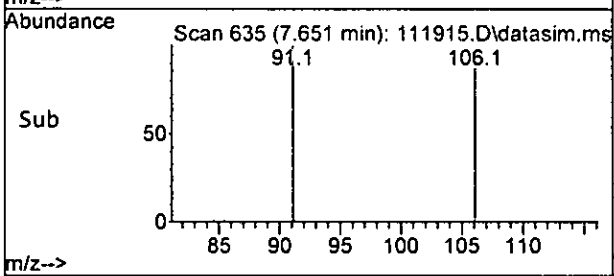
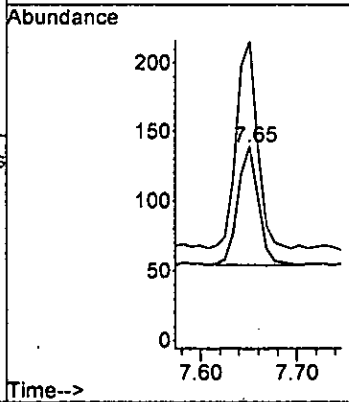
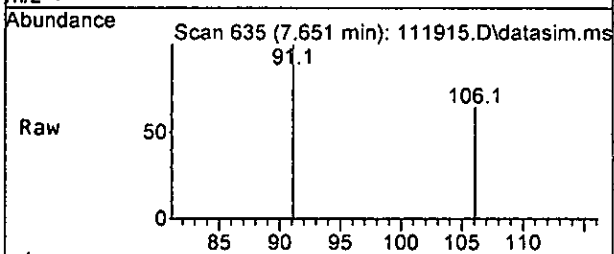
Ion	Ratio	Lower	Upper
164	100		
129	157.1	72.1	132.1#
131	121.4	64.8	124.8
166	135.7	90.0	150.0

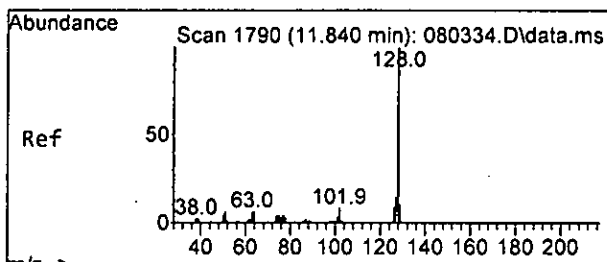


#51
 m,p-Xylene
 Concen: 0.022 ppb
 RT: 7.65 min Scan# 635
 Delta R.T. 0.000 min
 Lab File: 111915.D
 Acq: 20 Nov 2022 01:50 am

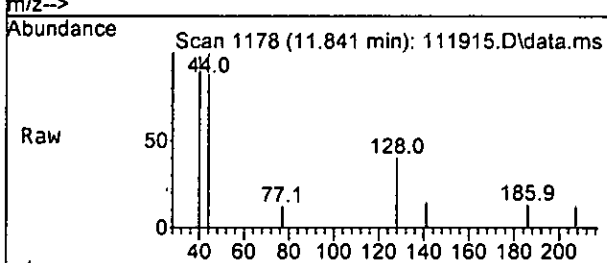
Tgt Ion:106 Resp: 126

Ion	Ratio	Lower	Upper
106	100		
91	174.1	175.7	235.7#



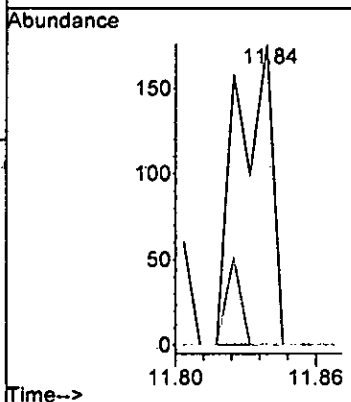
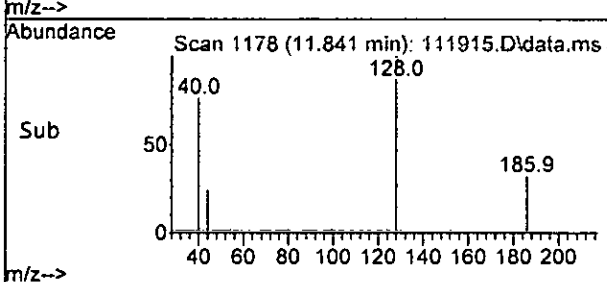


#75
 Naphthalene
 Concen: 0.096 ppb
 RT: 11.84 min Scan# 1178
 Delta R.T. 0.006 min
 Lab File: 111915.D
 Acq: 20 Nov 2022 01:50 am



Tgt Ion: 128 Resp: 180

Ion	Ratio	Lower	Upper
128	100		
129	0.0	0.0	40.8
127	0.0	0.0	43.1



Data Path : D:\Proc_GCMS13\11-19-22\
 Data File : 111915.D
 Acq On : 20 Nov 2022 01:50 am
 Operator : JCM
 Sample : 211274-07 1/0.25
 Misc : soil
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 11:55:22 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	4.75	96	100019	10.000	ppb	0.00	
39) Chlorobenzene-d5	7.40	117	94013	10.000	ppb	0.00	
56) 1,4-Dichlorobenzene-d4	9.62	152	55245	10.000	ppb	0.00	
System Monitoring Compounds							
3) Dibromofluoromethane	4.17	113	33234	10.361	ppb	0.00	
Spiked Amount	10.000	Range	50 - 150	Recovery	=	103.60%	
30) 1,2-Dichloroethane-d4	4.45	102	6024	9.691	ppb	0.00	
Spiked Amount	10.000	Range	84 - 120	Recovery	=	96.90%	
35) Toluene-d8	6.11	98	96328	10.098	ppb	0.00	
Spiked Amount	10.000	Range	73 - 128	Recovery	=	101.00%	
57) 4-Bromofluorobenzene	8.51	95	37229	9.780	ppb	0.00	
Spiked Amount	10.000	Range	57 - 146	Recovery	=	97.80%	
Target Compounds							
							Qvalue
2) Ethanol	2.36	45	100	No Calib			
4) Dichlorodifluoromethane	0.00		0	N.D.			
5) Chloromethane	1.26	50	873	N.D.			
6) Vinyl chloride	0.00		0	N.D.			
7) Bromomethane	0.00		0	N.D. d			
8) Chloroethane	0.00		0	N.D.			
9) Trichlorofluoromethane	0.00		0	N.D.			
10) 2-Propanol	2.36	45	100	No Calib	#		
11) Acetone	2.33	58	82	Below Cal	#	1	
12) 1,1-Dichloroethene	0.00		0	N.D.			
13) Hexane	3.16	57	386	0.119	ppb	#	14
14) Methylene chloride	2.68	84	4672	0.537	ppb		92
15) t-Butyl alcohol (TBA)	0.00		0	N.D.			
16) Methyl t-butyl ether (...)	0.00		0	N.D.			
17) trans-1,2-Dichloroethene	0.00		0	N.D.			
18) Diisopropyl ether (DIPE)	3.29	45	33	N.D.			
19) 1,1-Dichloroethane	0.00		0	N.D.			
20) Ethyl t-butyl ether (E...)	0.00		0	N.D.			
21) 2,2-Dichloropropane	3.76	77	104	N.D.			
22) cis-1,2-Dichloroethene	0.00		0	N.D.			
23) Chloroform	0.00		0	N.D.			
24) 2-Butanone (MEK)	3.79	43	596	0.219	ppb		89
25) t-Amyl methyl ether (T...)	0.00		0	N.D.			
26] 1,2-Dichloroethane (EDC)	4.53	62	82	Below Cal			91
27) 1,1,1-Trichloroethane	0.00		0	N.D.			
28) 1,1-Dichloropropene	4.34	75	60	Below Cal	#		39
29) Carbon tetrachloride	0.00		0	N.D.			
31) Benzene	4.50	78	68	N.D.			
32) Trichloroethene	0.00		0	N.D. d			
33) 1,2-Dichloropropane	5.25	63	35	N.D.			
34) Bromodichloromethane	0.00		0	N.D.			
36) Dibromomethane	0.00		0	N.D.			

Data Path : D:\Proc_GCMS13\11-19-22\
 Data File : 111915.D
 Acq On : 20 Nov 2022 01:50 am
 Operator : JCM
 Sample : 211274-07 1/0.25
 Misc : soil
 ALS Vial : 10 Sample Multiplier: 1
 InstName : GCMS13

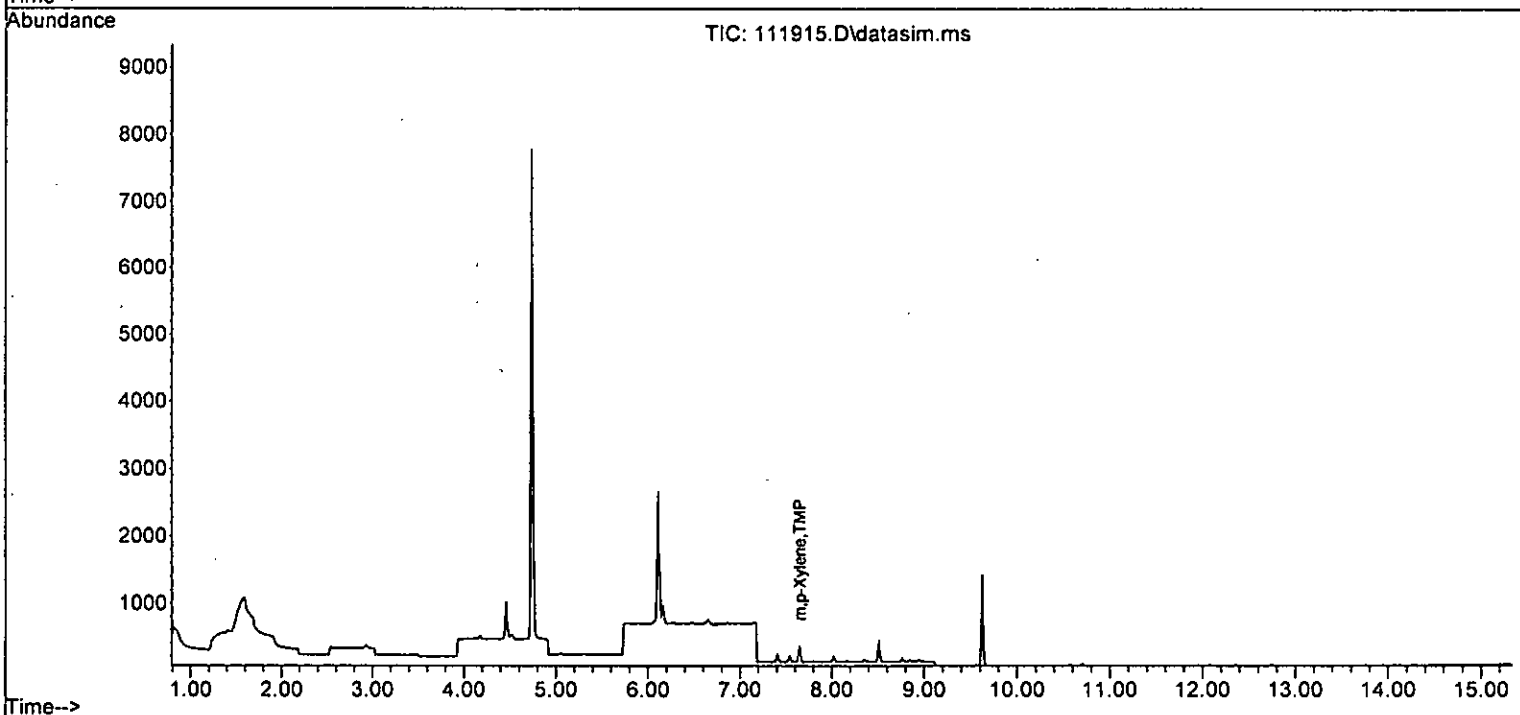
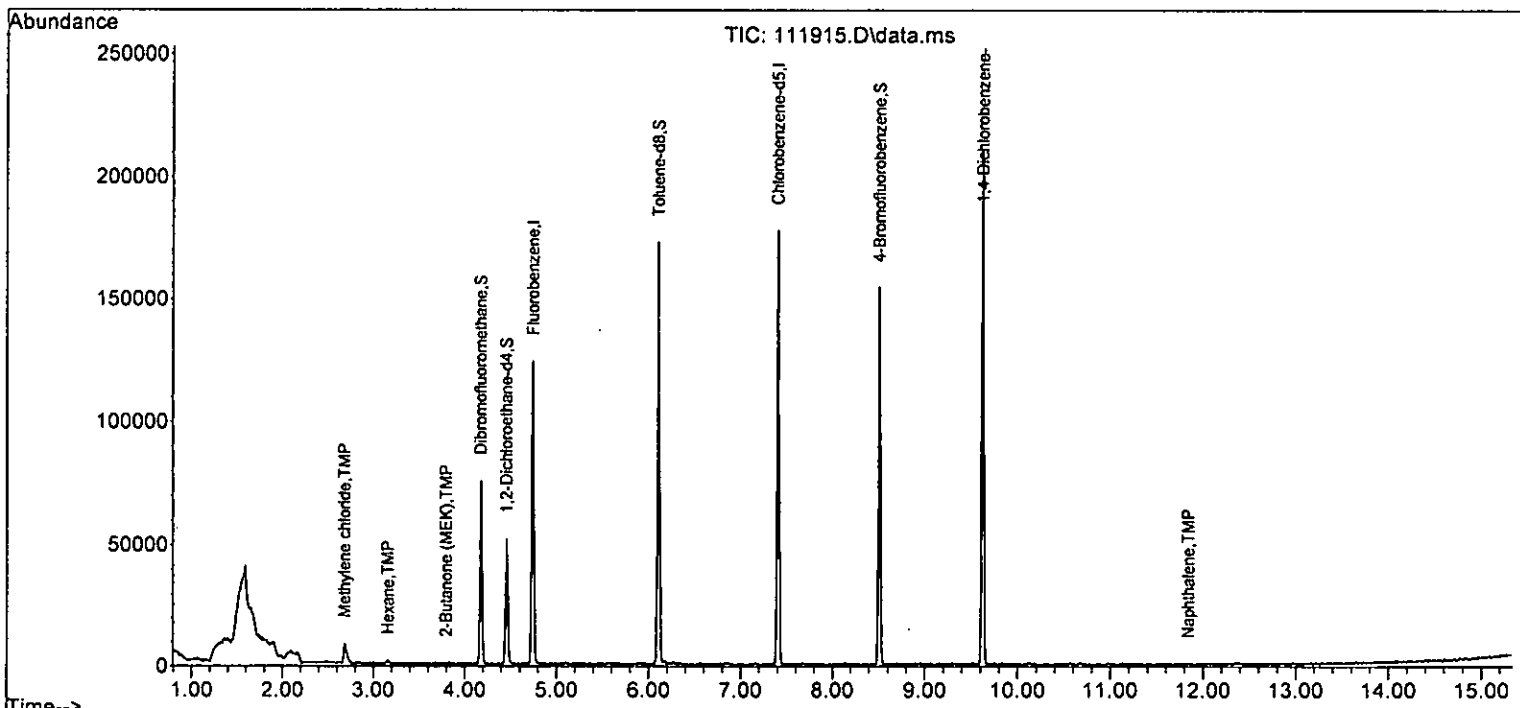
Quant Time: Nov 21 11:55:22 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.00		0		N.D.	
38) cis-1,3-Dichloropropene	0.00		0		N.D.	
40) Toluene	6.16	92	140		N.D.	
41) trans-1,3-Dichloropropene	0.00		0		N.D. d	
42] 1,1,2-Trichloroethane	6.37	83	21	Below Cal	#	15
43) 2-Hexanone	6.71	43	99		N.D.	
44) 1,3-Dichloropropane	0.00		0		N.D.	
45] Tetrachloroethene	6.65	164	27	Below Cal	#	69
46) Dibromochloromethane	0.00		0		N.D.	
47) 1,2-Dibromoethane (EDB)	0.00		0		N.D.	
48) Chlorobenzene	0.00		0		N.D.	
49) Ethylbenzene	7.54	91	101		N.D.	
50) 1,1,1,2-Tetrachloroethane	0.00		0		N.D.	
51] m,p-Xylene	7.65	106	126	0.022	ppb #	80
52) o-Xylene	8.02	106	40		N.D.	
53) Styrene	8.03	104	71		N.D.	
54) Isopropylbenzene	8.37	105	127		N.D.	
55) Bromoform	0.00		0		N.D.	
58) n-Propylbenzene	8.76	91	75		N.D.	
59) Bromobenzene	0.00		0		N.D.	
60) 1,3,5-Trimethylbenzene	8.93	105	71		N.D.	
61) 1,1,2,2-Tetrachloroethane	0.00		0		N.D.	
62) 1,2,3-Trichloropropane	8.61	75	27		N.D.	
63) 2-Chlorotoluene	8.76	91	75		N.D.	
64) 4-Chlorotoluene	8.76	91	75		N.D.	
65) tert-Butylbenzene	0.00		0		N.D.	
66) 1,2,4-Trimethylbenzene	9.31	105	257		N.D.	
67) sec-Butylbenzene	9.31	105	257		N.D.	
68) p-Isopropyltoluene	9.61	119	23		N.D.	
69) 1,3-Dichlorobenzene	9.64	146	48		N.D.	
70) 1,4-Dichlorobenzene	9.64	146	48		N.D.	
71) 1,2-Dichlorobenzene	0.00		0		N.D.	
72) 1,2-Dibromo-3-chloropr...	0.00		0		N.D.	
73) 1,2,4-Trichlorobenzene	0.00		0		N.D.	
74) Hexachlorobutadiene	0.00		0		N.D.	
75) Naphthalene	11.84	128	180	0.096	ppb	69
76) 1,2,3-Trichlorobenzene	0.00		0		N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS13\11-19-22\
Data File : 111915.D
Acq On : 20 Nov 2022 01:50 am
Operator : JCM
Sample : 211274-07 1/0.25
Misc : soil
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Nov 21 11:55:22 2022
Quant Method : D:\Methods\Inst13\VB110522ms13LL.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
QLast Update : Mon Nov 07 15:16:10 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M



Data Path : D:\Proc_GCMS13\11-19-22\
 Data File : 111916.D
 Acq On : 20 Nov 2022 02:13 am
 Operator : JCM
 Sample : 211274-08 1/0.25
 Misc : soil
 ALS Vial : 11 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 11:55:24 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

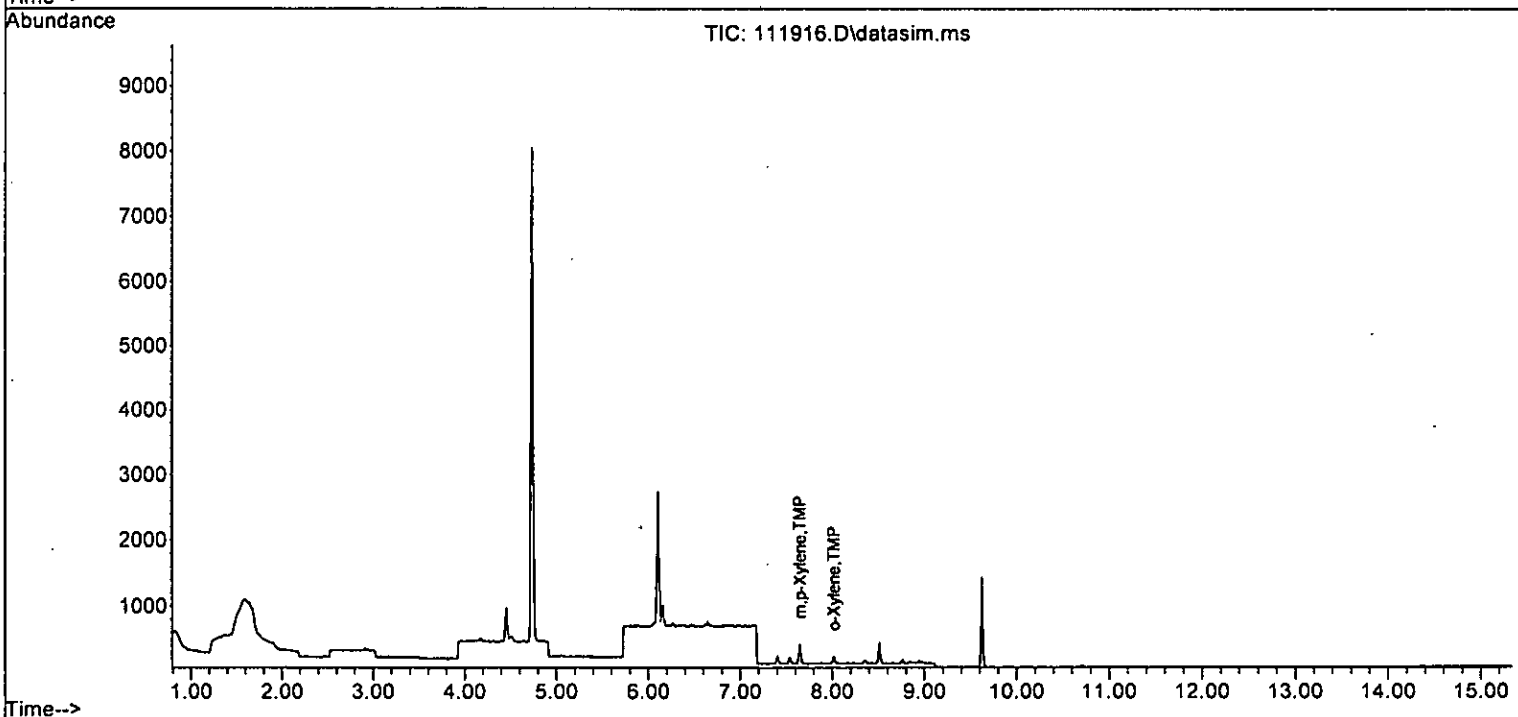
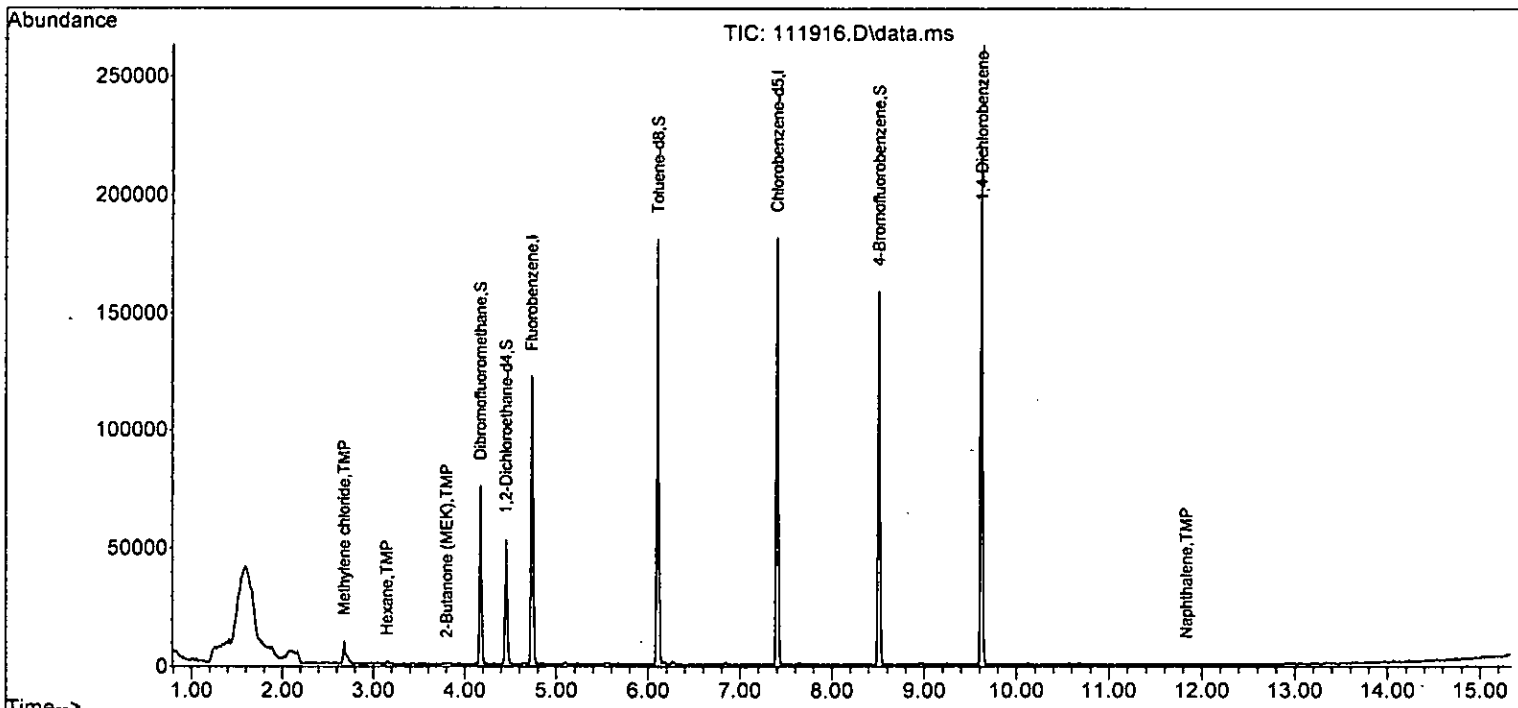
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

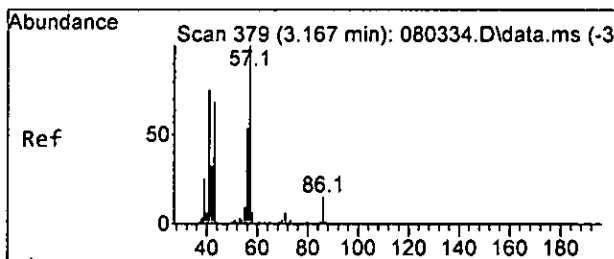
Internal Standards						
1) Fluorobenzene	4.73	96	100579	10.000	ppb	-0.01
39) Chlorobenzene-d5	7.41	117	94045	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	56588	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.18	113	33479	10.380	ppb	0.00
Spiked Amount	10.000	Range 50 - 150	Recovery	=	103.80%	
30) 1,2-Dichloroethane-d4	4.45	102	6296	10.072	ppb	0.00
Spiked Amount	10.000	Range 84 - 120	Recovery	=	100.70%	
35) Toluene-d8	6.11	98	96905	10.102	ppb	0.00
Spiked Amount	10.000	Range 73 - 128	Recovery	=	101.00%	
57) 4-Bromofluorobenzene	8.51	95	37161	9.530	ppb	0.00
Spiked Amount	10.000	Range 57 - 146	Recovery	=	95.30%	
Target Compounds						
11) Acetone	2.35	58	145	Below Cal	#	7
13) Hexane	3.15	57	371	0.114	ppb #	58
14) Methylene chloride	2.68	84	5094	0.684	ppb	98
24) 2-Butanone (MEK)	3.81	43	769	0.355	ppb	55
26] 1,2-Dichloroethane (EDC)	4.52	62	73	Below Cal		79
45] Tetrachloroethene	6.65	164	24	Below Cal		90
51] m,p-Xylene	7.65	106	153	0.027	ppb #	72
52] o-Xylene	8.02	106	57	0.010	ppb #	73
75) Naphthalene	11.83	128	141	0.092	ppb	69

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS13\11-19-22\
Data File : 111916.D
Acq On : 20 Nov 2022 02:13 am
Operator : JCM
Sample : 211274-08 1/0.25
Misc : soil
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS13

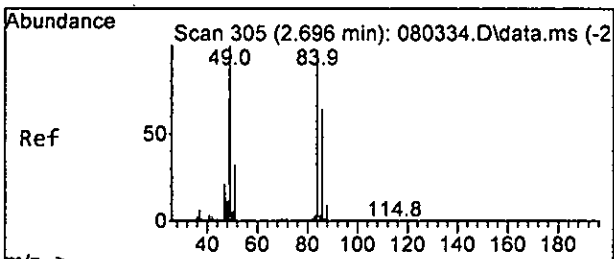
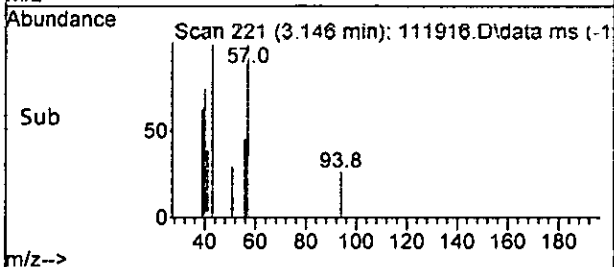
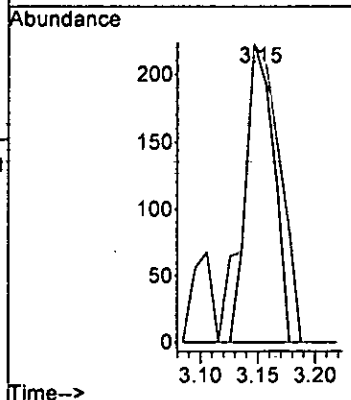
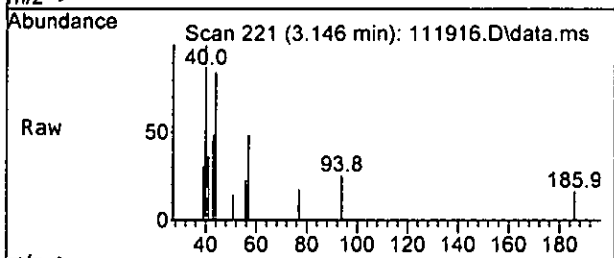
Quant Time: Nov 21 11:55:24 2022
Quant Method : D:\Methods\Inst13\VB110522ms13LL.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
QLast Update : Mon Nov 07 15:16:10 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M





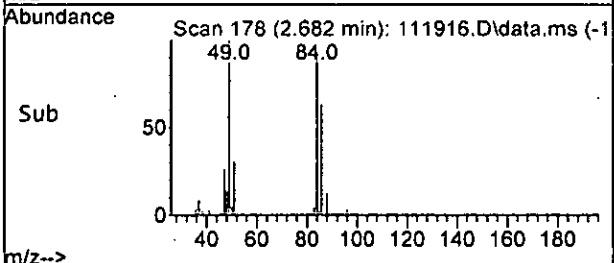
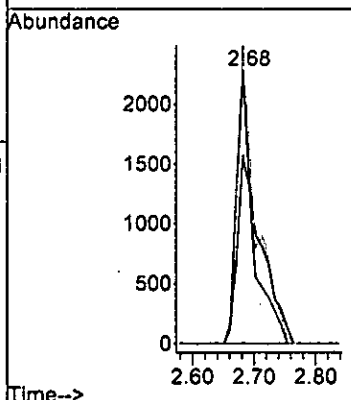
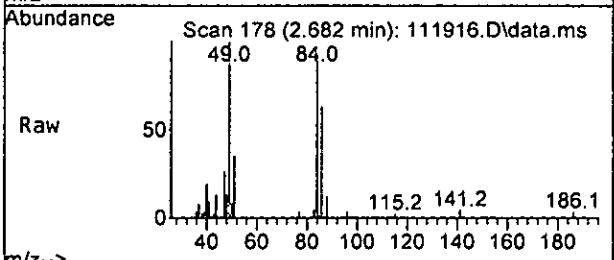
#13
 Hexane
 Concen: 0.114 ppb
 RT: 3.15 min Scan# 221
 Delta R.T. -0.011 min
 Lab File: 111916.D
 Acq: 20 Nov 2022 02:13 am

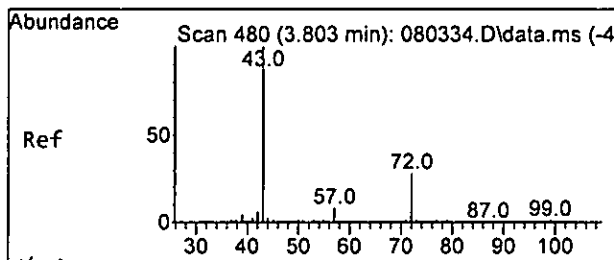
Tgt Ion	Resp	Lower	Upper
57	100		
43	100.0	35.4	95.4#
86	0.0	0.0	44.8



#14
 Methylene chloride
 Concen: 0.684 ppb
 RT: 2.68 min Scan# 178
 Delta R.T. 0.000 min
 Lab File: 111916.D
 Acq: 20 Nov 2022 02:13 am

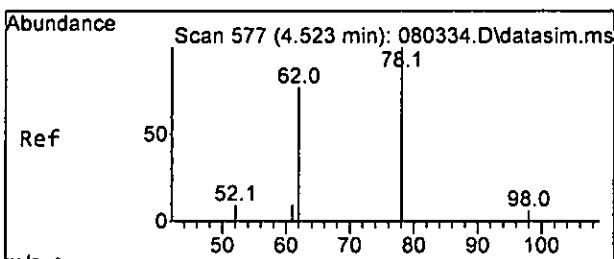
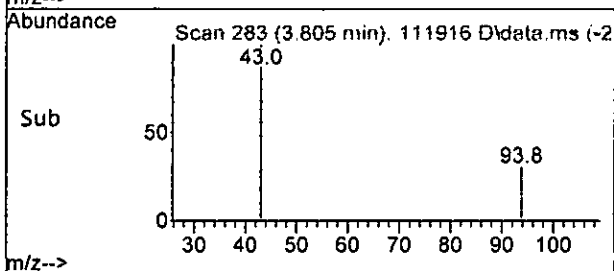
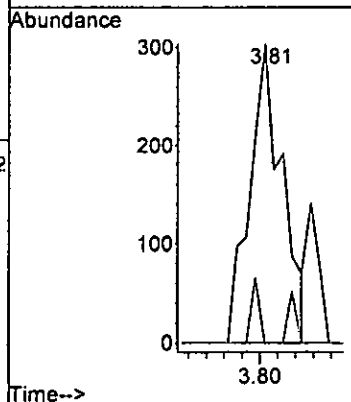
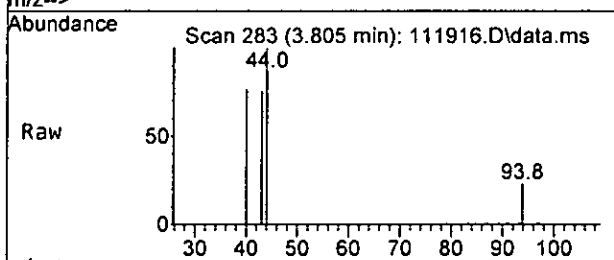
Tgt Ion	Resp	Lower	Upper
84	100		
86	69.0	37.1	97.1
49	109.0	81.3	141.3





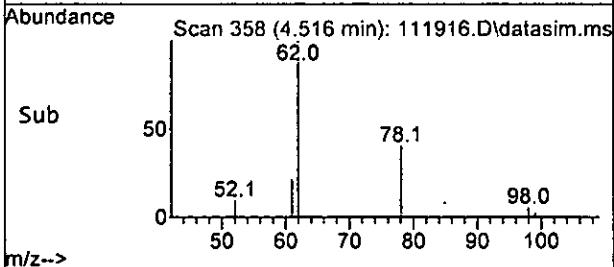
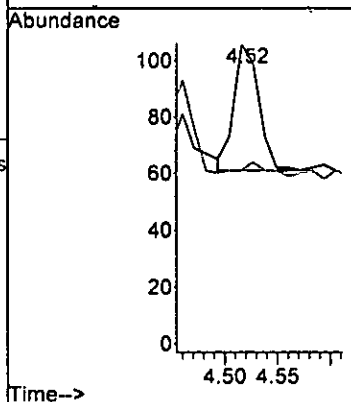
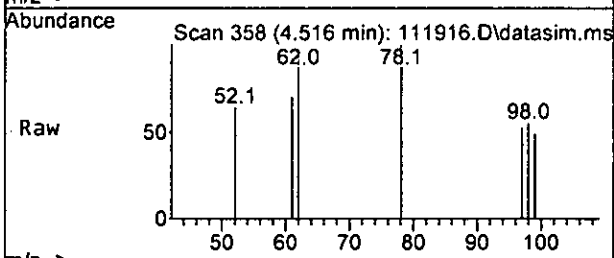
#24
 2-Butanone (MEK)
 Concen: 0.355 ppb
 RT: 3.81 min Scan# 283
 Delta R.T. 0.010 min
 Lab File: 111916.D
 Acq: 20 Nov 2022 02:13 am

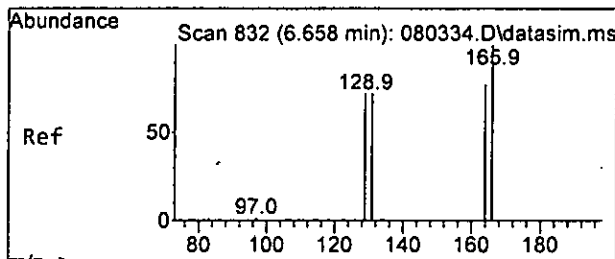
Tgt Ion	Resp	Lower	Upper
43	100		
72	0.0	0.0	57.0
57	0.0	0.0	28.0



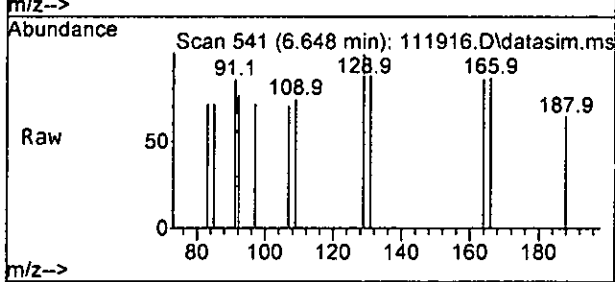
#26
 1,2-Dichloroethane (EDC)
 Concen: Below Cal
 RT: 4.52 min Scan# 358
 Delta R.T. -0.011 min
 Lab File: 111916.D
 Acq: 20 Nov 2022 02:13 am

Tgt Ion	Resp	Lower	Upper
62	100		
98	2.2	0.0	40.1

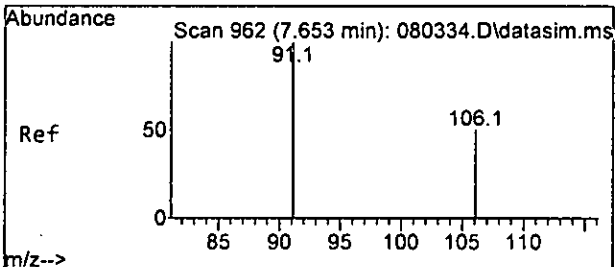
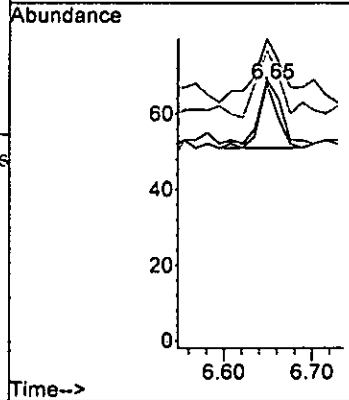
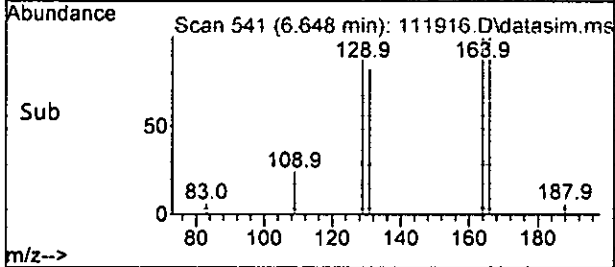




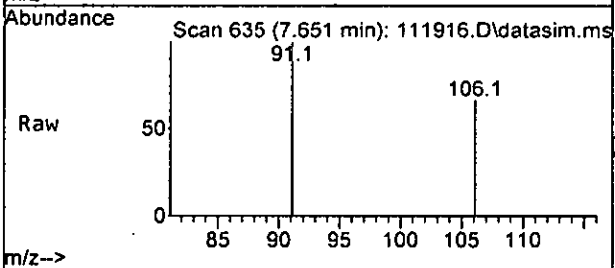
#45
 Tetrachloroethene
 Concen: Below Cal
 RT: 6.65 min Scan# 541
 Delta R.T. 0.000 min
 Lab File: 111916.D
 Acq: 20 Nov 2022 02:13 am



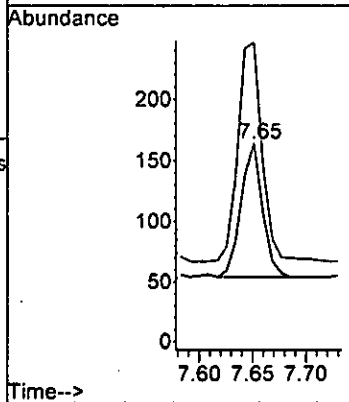
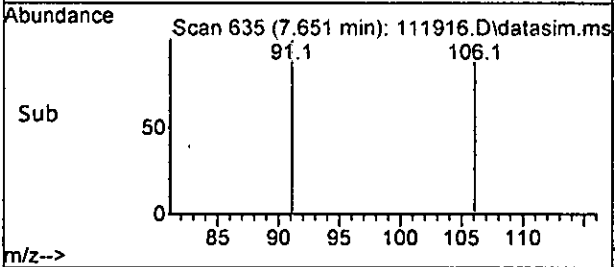
Tgt Ion:164 Resp: 24
 Ion Ratio Lower Upper
 164 100
 129 100.0 72.1 132.1
 131 88.2 64.8 124.8
 166 100.0 90.0 150.0

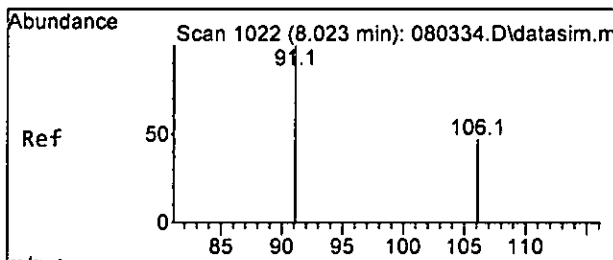


#51
 m,p-Xylene
 Concen: 0.027 ppb
 RT: 7.65 min Scan# 635
 Delta R.T. 0.000 min
 Lab File: 111916.D
 Acq: 20 Nov 2022 02:13 am



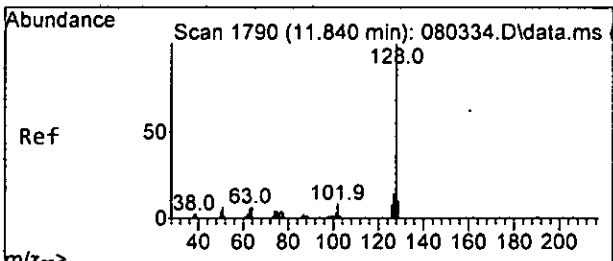
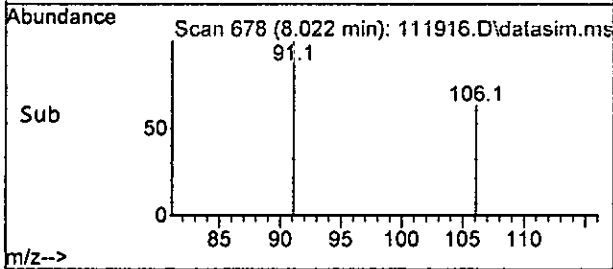
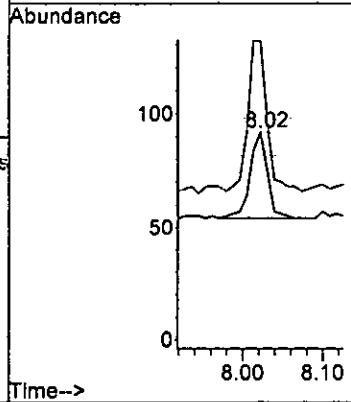
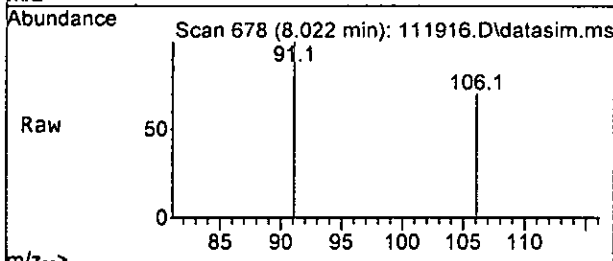
Tgt Ion:106 Resp: 153
 Ion Ratio Lower Upper
 106 100
 91 162.7 175.7 235.7#





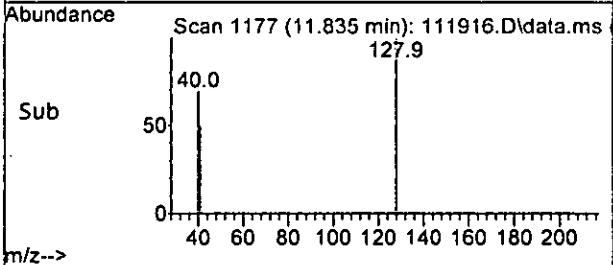
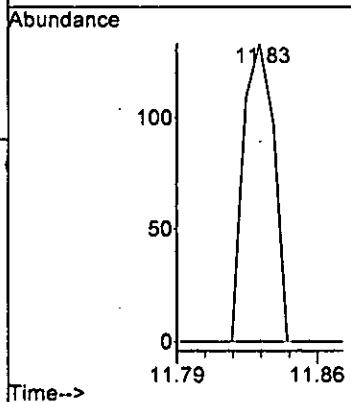
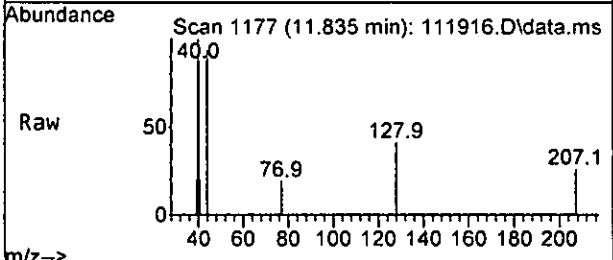
#52
 o-Xylene
 Concen: 0.010 ppb
 RT: 8.02 min Scan# 678
 Delta R.T. -0.000 min
 Lab File: 111916.D
 Acq: 20 Nov 2022 02:13 am

Tgt Ion: 106 Resp: 57
 Ion Ratio Lower Upper
 106 100
 91 173.7 186.4 246.4#



#75
 Naphthalene
 Concen: 0.092 ppb
 RT: 11.83 min Scan# 1177
 Delta R.T. -0.000 min
 Lab File: 111916.D
 Acq: 20 Nov 2022 02:13 am

Tgt Ion: 128 Resp: 141
 Ion Ratio Lower Upper
 128 100
 129 0.0 0.0 40.8
 127 0.0 0.0 43.1



Data Path : D:\Proc_GCMS13\11-19-22\
 Data File : 111916.D
 Acq On : 20 Nov 2022 02:13 am
 Operator : JCM
 Sample : 211274-08 1/0.25
 Misc : soil
 ALS Vial : 11 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 11:55:24 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.73	96	100579	10.000	ppb	-0.01
39) Chlorobenzene-d5	7.41	117	94045	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	56588	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.18	113	33479	10.380	ppb	0.00
Spiked Amount	10.000	Range 50 - 150	Recovery	=	103.80%	
30) 1,2-Dichloroethane-d4	4.45	102	6296	10.072	ppb	0.00
Spiked Amount	10.000	Range 84 - 120	Recovery	=	100.70%	
35) Toluene-d8	6.11	98	96905	10.102	ppb	0.00
Spiked Amount	10.000	Range 73 - 128	Recovery	=	101.00%	
57) 4-Bromofluorobenzene	8.51	95	37161	9.530	ppb	0.00
Spiked Amount	10.000	Range 57 - 146	Recovery	=	95.30%	
Target Compounds						
2) Ethanol	0.00		0	N.D.		Qvalue
4) Dichlorodifluoromethane	0.00		0	N.D.		
5) Chloromethane	1.23	50	230	N.D.		
6) Vinyl chloride	0.00		0	N.D.		
7) Bromomethane	0.00		0	N.D.	d	
8) Chloroethane	0.00		0	N.D.		
9) Trichlorofluoromethane	1.86	101	41	N.D.		
10) 2-Propanol	0.00		0	N.D.		
11) Acetone	2.35	58	145	Below Cal	#	7
12) 1,1-Dichloroethene	0.00		0	N.D.	d	
13) Hexane	3.15	57	371	0.114	ppb	# 58
14) Methylene chloride	2.68	84	5094	0.684	ppb	98
15) t-Butyl alcohol (TBA)	0.00		0	N.D.		
16) Methyl t-butyl ether (...)	0.00		0	N.D.		
17) trans-1,2-Dichloroethene	0.00		0	N.D.		
18) Diisopropyl ether (DIPE)	0.00		0	N.D.		
19) 1,1-Dichloroethane	0.00		0	N.D.		
20) Ethyl t-butyl ether (E...)	0.00		0	N.D.		
21) 2,2-Dichloropropane	3.75	77	184	N.D.		
22) cis-1,2-Dichloroethene	0.00		0	N.D.		
23) Chloroform	0.00		0	N.D.		
24) 2-Butanone (MEK)	3.81	43	769	0.355	ppb	55
25) t-Amyl methyl ether (T...)	0.00		0	N.D.		
26] 1,2-Dichloroethane (EDC)	4.52	62	73	Below Cal		79
27) 1,1,1-Trichloroethane	0.00		0	N.D.		
28) 1,1-Dichloropropene	0.00		0	N.D.		
29) Carbon tetrachloride	0.00		0	N.D.		
31) Benzene	4.50	78	75	N.D.		
32) Trichloroethene	0.00		0	N.D.	d	
33) 1,2-Dichloropropane	5.35	63	43	N.D.		
34) Bromodichloromethane	0.00		0	N.D.		
36) Dibromomethane	0.00		0	N.D.		

Data Path : D:\Proc_GCMS13\11-19-22\
 Data File : 111916.D
 Acq On : 20 Nov 2022 02:13 am
 Operator : JCM
 Sample : 211274-08 1/0.25
 Misc : soil
 ALS Vial : 11 Sample Multiplier: 1
 InstName : GCMS13

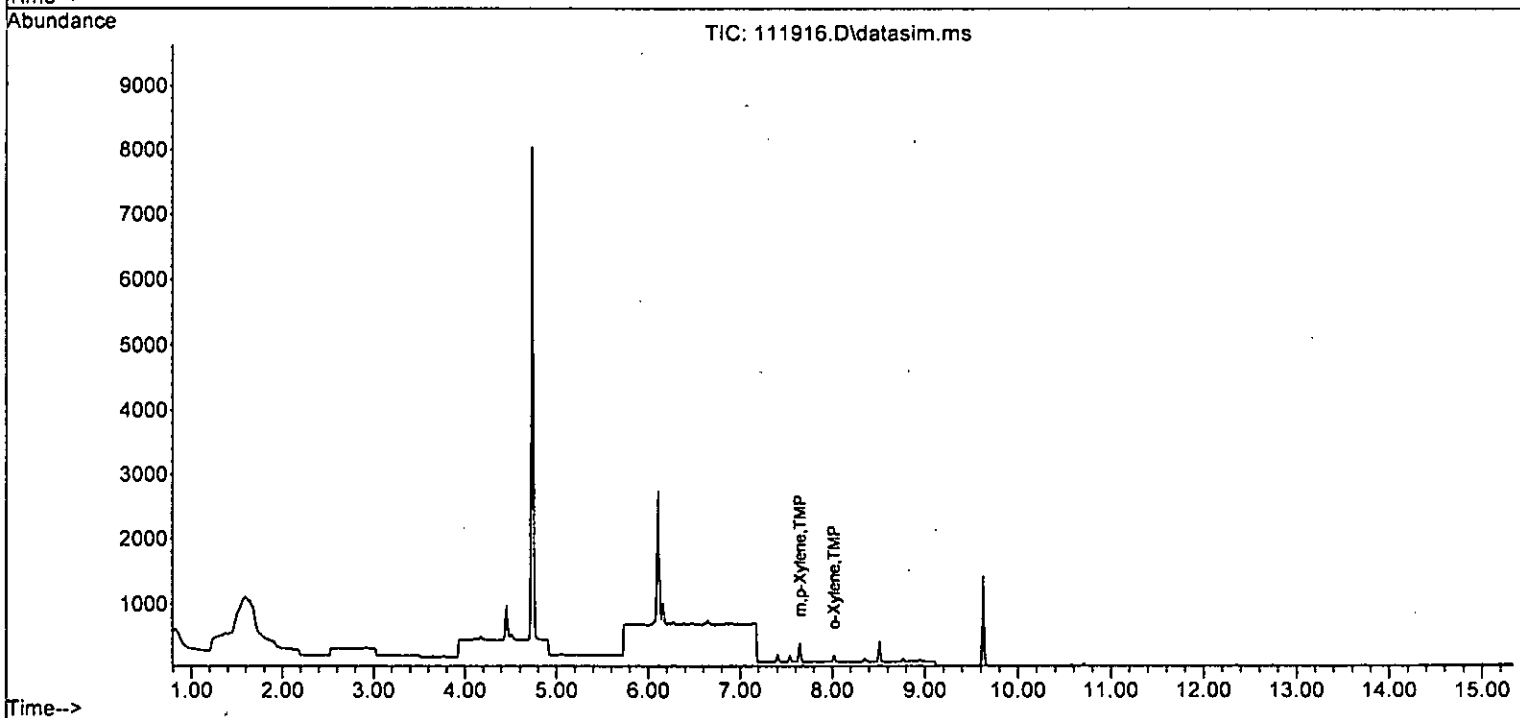
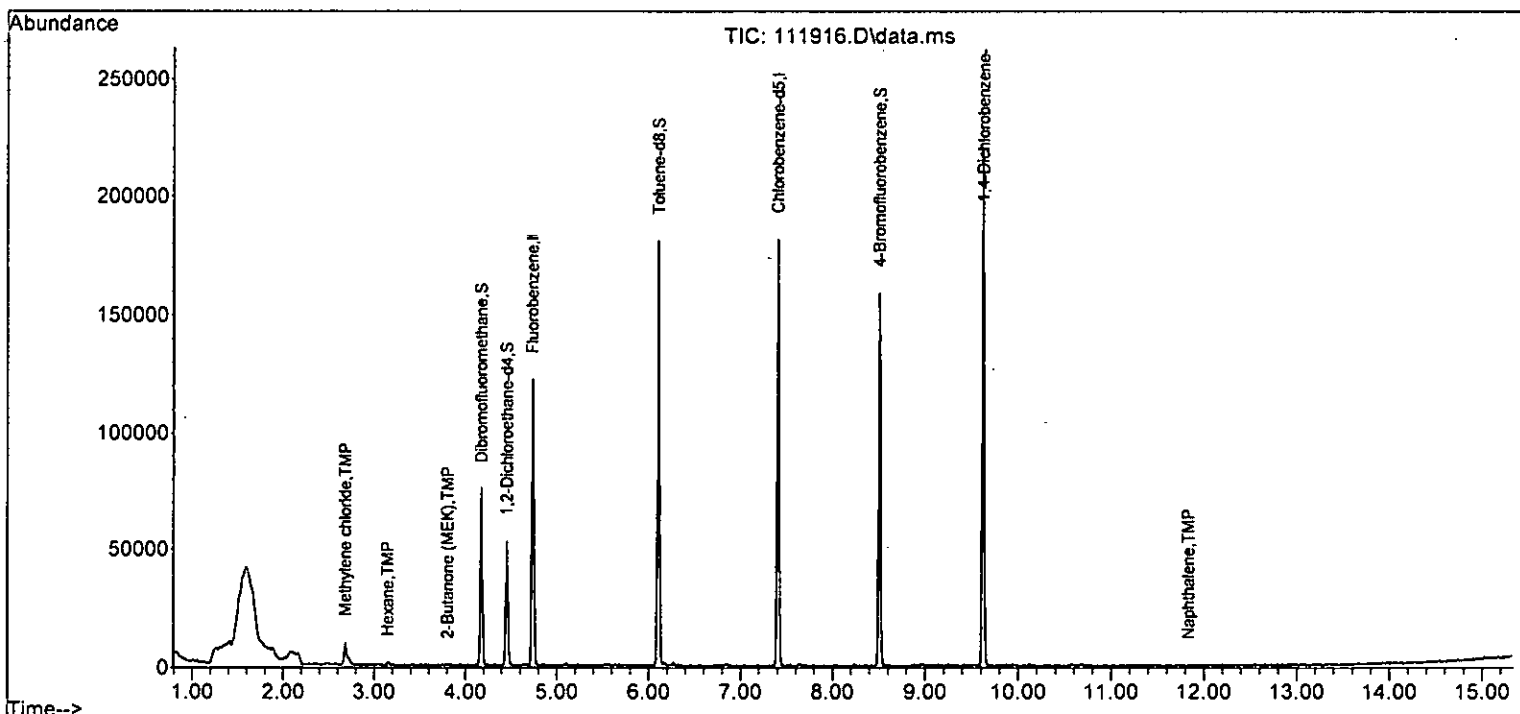
Quant Time: Nov 21 11:55:24 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.00		0		N.D.	
38) cis-1,3-Dichloropropene	0.00		0		N.D.	
40) Toluene	6.16	92	159		N.D.	
41) trans-1,3-Dichloropropene	0.00		0		N.D. d	
42) 1,1,2-Trichloroethane	0.00		0		N.D.	
43) 2-Hexanone	6.71	43	44		N.D.	
44) 1,3-Dichloropropane	0.00		0		N.D.	
45] Tetrachloroethene	6.65	164	24	Below Cal		90
46) Dibromochloromethane	0.00		0		N.D.	
47) 1,2-Dibromoethane (EDB)	0.00		0		N.D.	
48) Chlorobenzene	0.00		0		N.D.	
49) Ethylbenzene	7.54	91	101		N.D.	
50) 1,1,1,2-Tetrachloroethane	0.00		0		N.D.	
51] m,p-Xylene	7.65	106	153	0.027	ppb #	72
52] o-Xylene	8.02	106	57	0.010	ppb #	73
53) Styrene	0.00		0		N.D.	
54) Isopropylbenzene	8.37	105	109		N.D.	
55) Bromoform	0.00		0		N.D.	
58) n-Propylbenzene	8.77	91	130		N.D.	
59) Bromobenzene	0.00		0		N.D.	
60) 1,3,5-Trimethylbenzene	8.83	105	31		N.D.	
61) 1,1,2,2-Tetrachloroethane	0.00		0		N.D.	
62) 1,2,3-Trichloropropane	0.00		0		N.D. d	
63) 2-Chlorotoluene	8.77	91	130		N.D.	
64) 4-Chlorotoluene	8.94	91	34		N.D.	
65) tert-Butylbenzene	0.00		0		N.D.	
66) 1,2,4-Trimethylbenzene	9.29	105	212		N.D.	
67) sec-Butylbenzene	9.29	105	212		N.D.	
68) p-Isopropyltoluene	9.55	119	21		N.D.	
69) 1,3-Dichlorobenzene	0.00		0		N.D.	
70) 1,4-Dichlorobenzene	0.00		0		N.D.	
71) 1,2-Dichlorobenzene	0.00		0		N.D.	
72) 1,2-Dibromo-3-chloropr...	0.00		0		N.D.	
73) 1,2,4-Trichlorobenzene	0.00		0		N.D.	
74) Hexachlorobutadiene	0.00		0		N.D.	
75) Naphthalene	11.83	128	141	0.092	ppb	69
76) 1,2,3-Trichlorobenzene	0.00		0		N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS13\11-19-22\
 Data File : 111916.D
 Acq On : 20 Nov 2022 02:13 am
 Operator : JCM
 Sample : 211274-08 1/0.25
 Misc : soil
 ALS Vial : 11 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 11:55:24 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



Data Path : D:\Proc_GCMS13\11-19-22\
 Data File : 111917.D
 Acq On : 20 Nov 2022 02:37 am
 Operator : JCM
 Sample : 211274-09 1/0.25
 Misc : soil
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 11:55:26 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

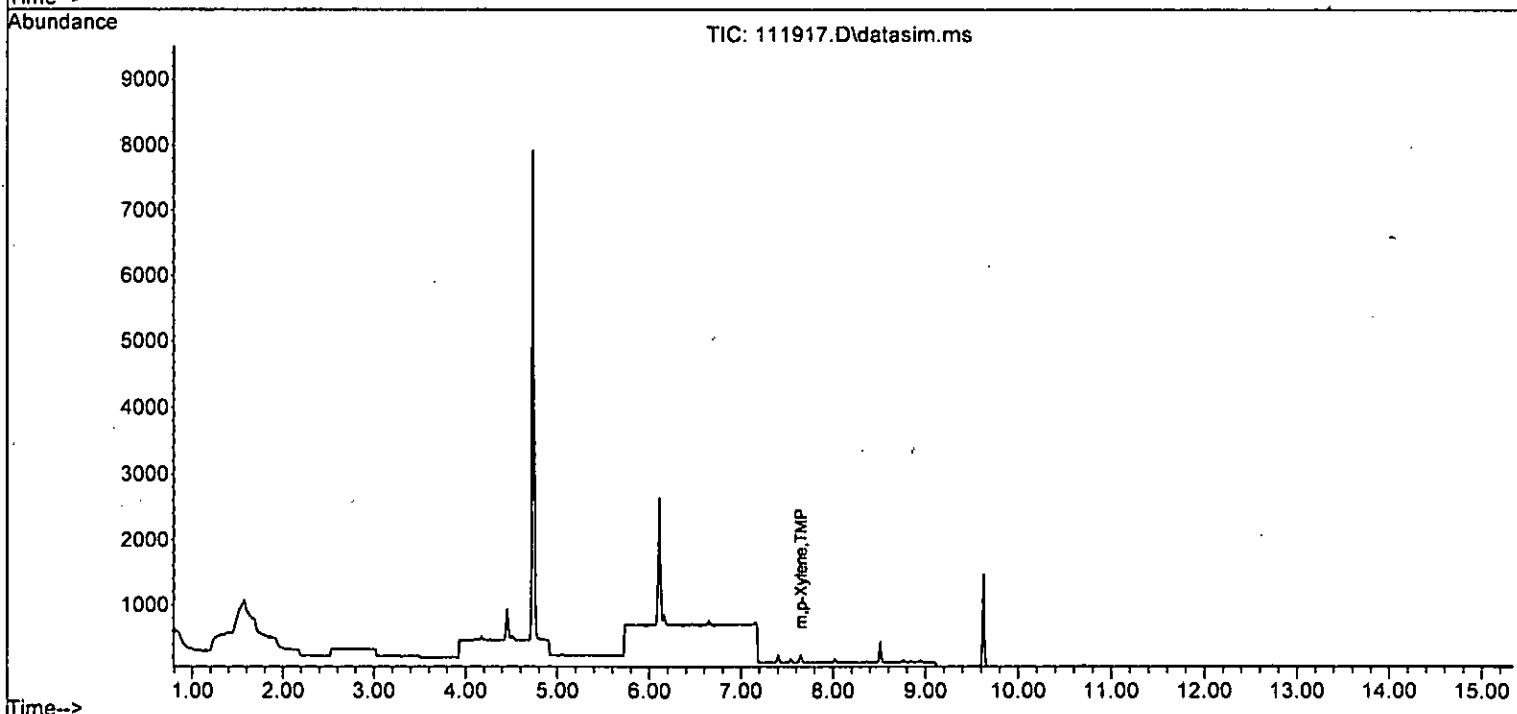
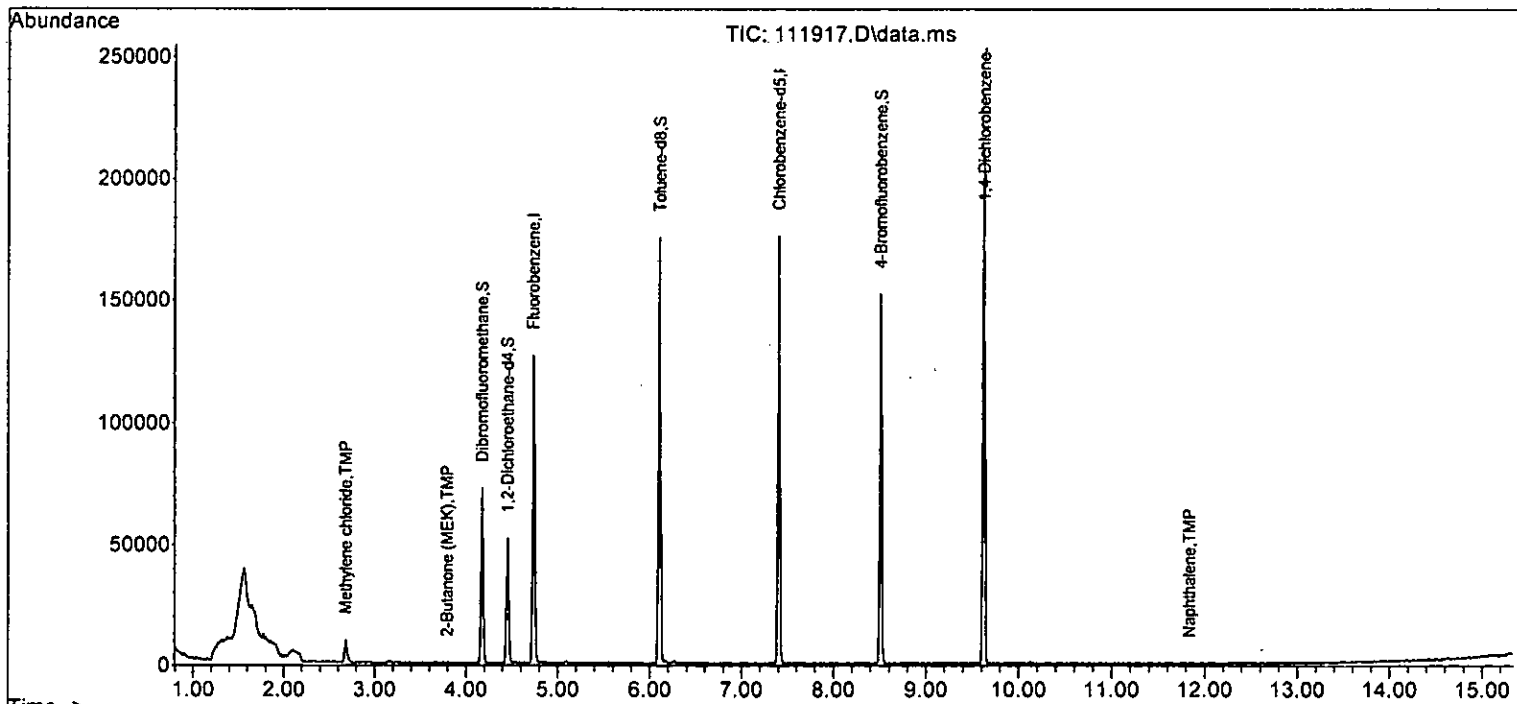
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

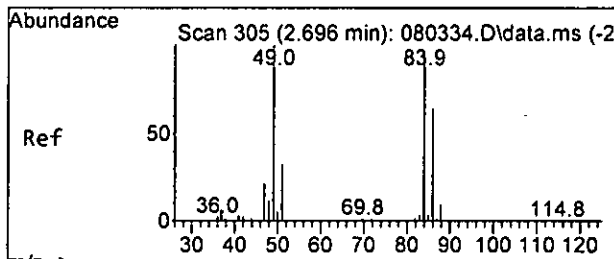
Internal Standards						
1) Fluorobenzene	4.73	96	99956	10.000	ppb	-0.01
39) Chlorobenzene-d5	7.40	117	91649	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	56869	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.17	113	33351	10.404	ppb	0.00
Spiked Amount	10.000	Range	50 - 150	Recovery	=	104.00%
30) 1,2-Dichloroethane-d4	4.45	102	5831	9.387	ppb	0.00
Spiked Amount	10.000	Range	84 - 120	Recovery	=	93.90%
35) Toluene-d8	6.11	98	95737	10.043	ppb	0.00
Spiked Amount	10.000	Range	73 - 128	Recovery	=	100.40%
57) 4-Bromofluorobenzene	8.51	95	36763	9.382	ppb	0.00
Spiked Amount	10.000	Range	57 - 146	Recovery	=	93.80%
Target Compounds						
11) Acetone	2.33	58	33	Below Cal	#	1
14) Methylene chloride	2.68	84	5069	0.686	ppb	86
24) 2-Butanone (MEK)	3.79	43	601	0.223	ppb	55
26] 1,2-Dichloroethane (EDC)	4.52	62	67	Below Cal		90
40] Toluene	6.16	92	74	Below Cal		99
45] Tetrachloroethene	6.65	164	34	Below Cal		84
51] m,p-Xylene	7.65	106	60	0.011	ppb	85
75) Naphthalene	11.83	128	167	0.094	ppb	69

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS13\11-19-22\
Data File : 111917.D
Acq On : 20 Nov 2022 02:37 am
Operator : JCM
Sample : 211274-09 1/0.25
Misc : soil
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS13

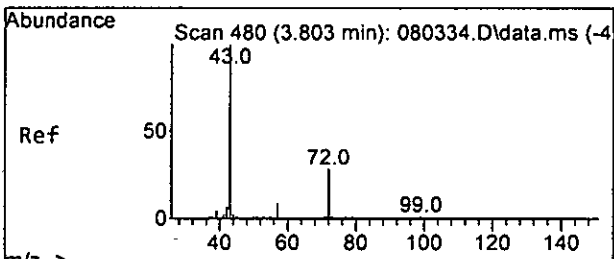
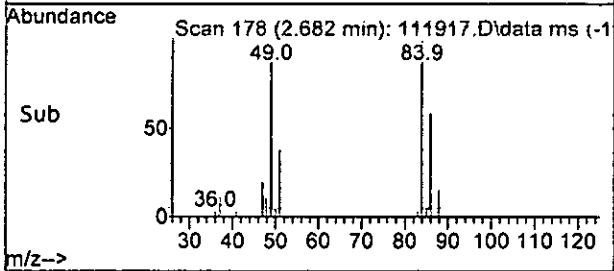
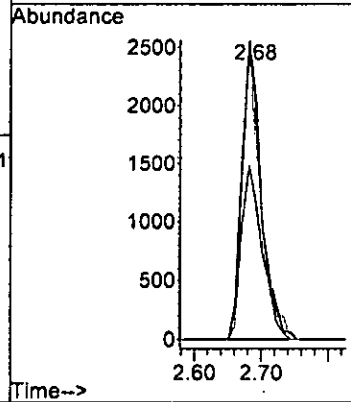
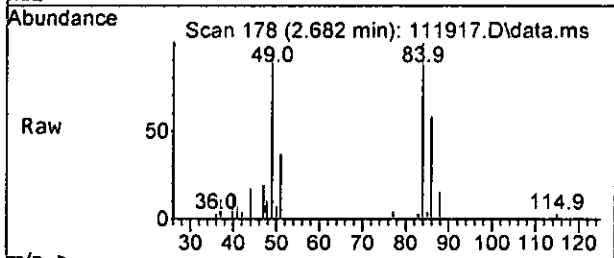
Quant Time: Nov 21 11:55:26 2022
Quant Method : D:\Methods\Inst13\VB110522ms13LL.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
QLast Update : Mon Nov 07 15:16:10 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M





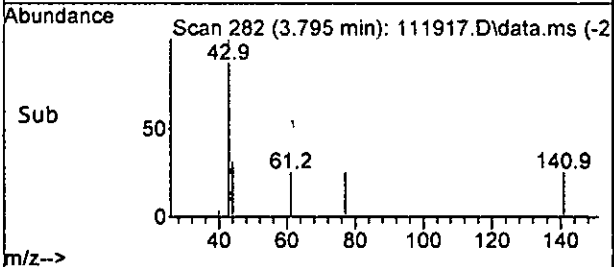
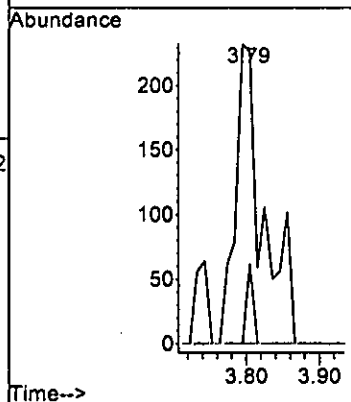
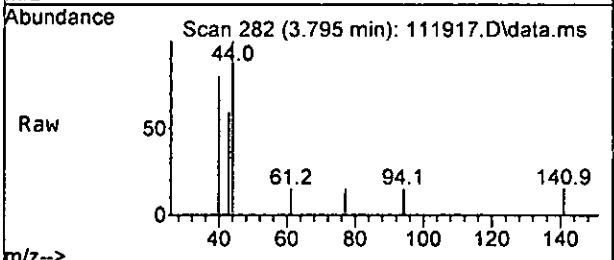
#14
 Methylene chloride
 Concen: 0.686 ppb
 RT: 2.68 min Scan# 178
 Delta R.T. -0.000 min
 Lab File: 111917.D
 Acq: 20 Nov 2022 02:37 am

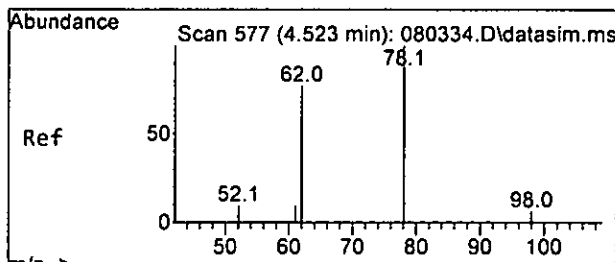
Tgt Ion	Resp	Lower	Upper
84	100		
86	57.7	37.1	97.1
49	94.7	81.3	141.3



#24
 2-Butanone (MEK)
 Concen: 0.223 ppb
 RT: 3.79 min Scan# 282
 Delta R.T. -0.000 min
 Lab File: 111917.D
 Acq: 20 Nov 2022 02:37 am

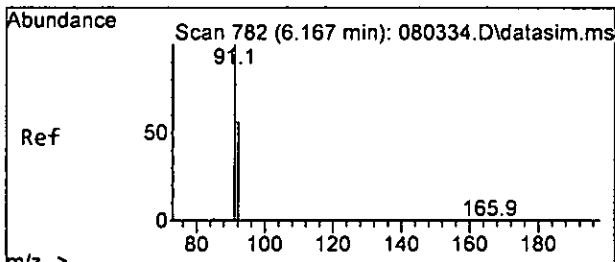
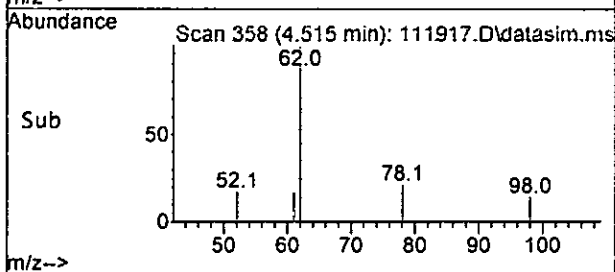
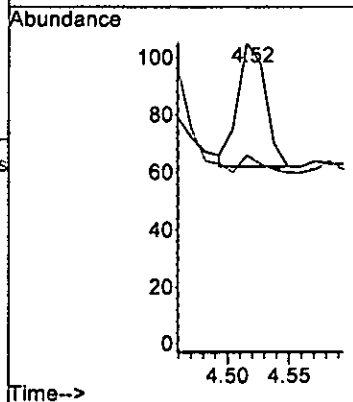
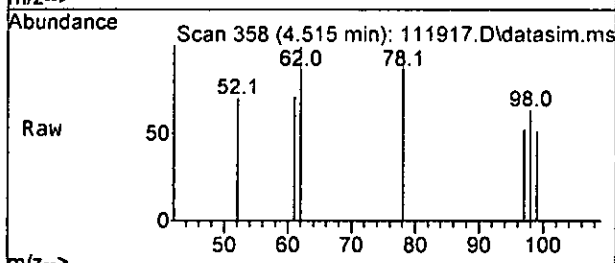
Tgt Ion	Resp	Lower	Upper
43	100		
72	0.0	0.0	57.0
57	0.0	0.0	28.0





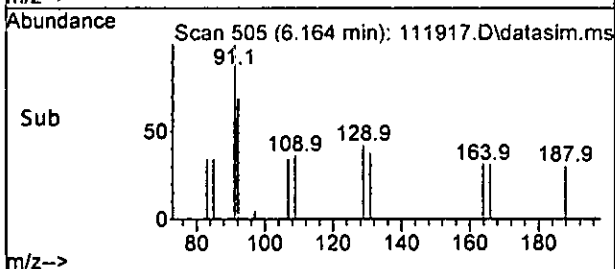
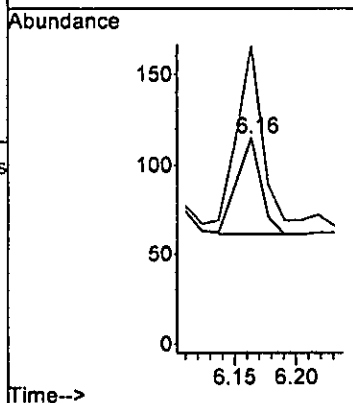
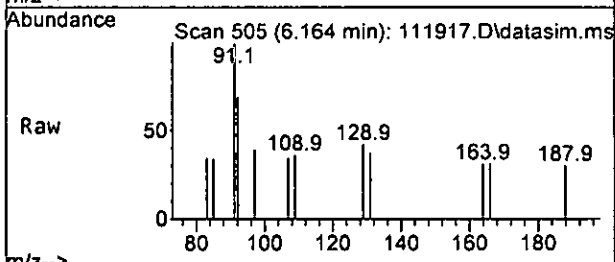
#26
 1,2-Dichloroethane (EDC)
 Concen: Below Cal
 RT: 4.52 min Scan# 358
 Delta R.T. -0.012 min
 Lab File: 111917.D
 Acq: 20 Nov 2022 02:37 am

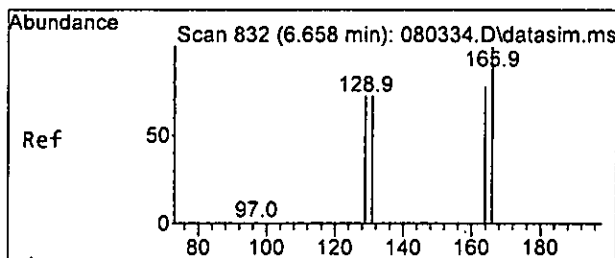
Tgt Ion: 62 Resp: 67
 Ion Ratio Lower Upper
 62 100
 98 14.0 0.0 40.1



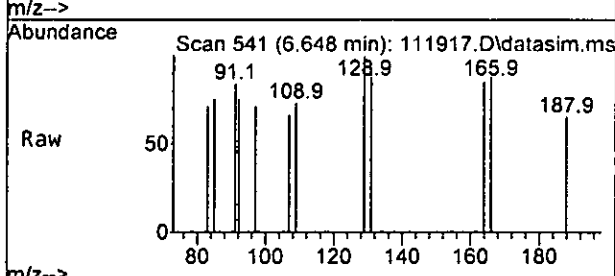
#40
 Toluene
 Concen: Below Cal
 RT: 6.16 min Scan# 505
 Delta R.T. -0.000 min
 Lab File: 111917.D
 Acq: 20 Nov 2022 02:37 am

Tgt Ion: 92 Resp: 74
 Ion Ratio Lower Upper
 92 100
 91 179.6 148.5 208.5

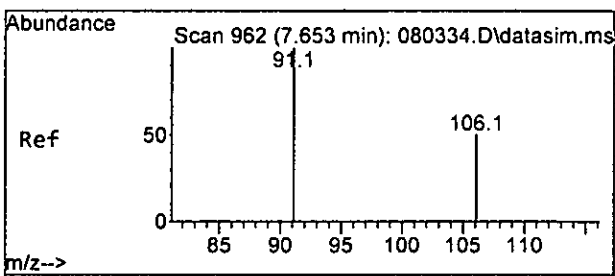
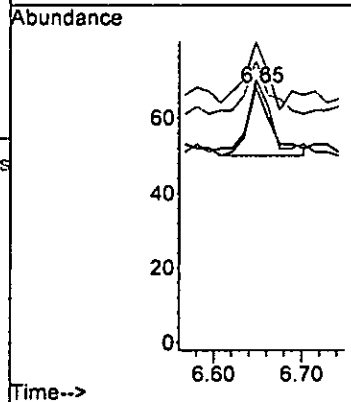
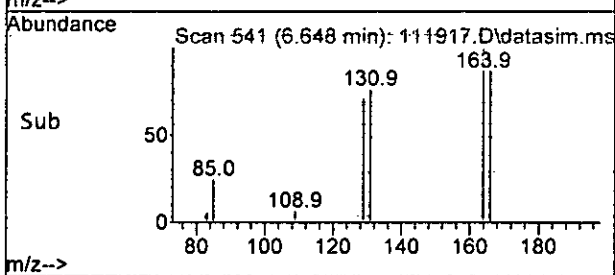




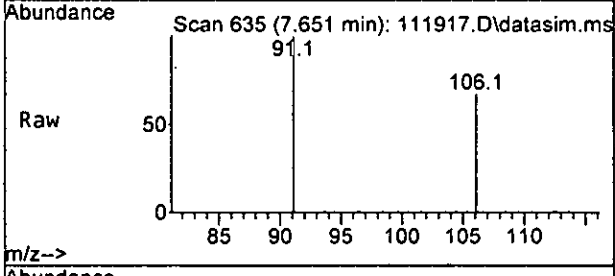
#45
 Tetrachloroethene
 Concen: Below Cal
 RT: 6.65 min Scan# 541
 Delta R.T. -0.000 min
 Lab File: 111917.D
 Acq: 20 Nov 2022 02:37 am



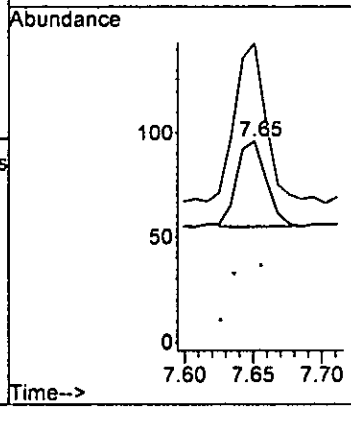
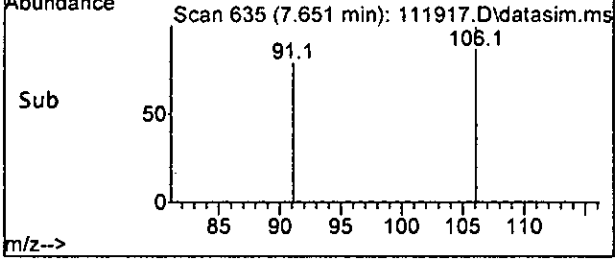
Tgt Ion:164 Resp: 34
 Ion Ratio Lower Upper
 164 100
 129 88.9 72.1 132.1
 131 77.8 64.8 124.8
 166 100.0 90.0 150.0

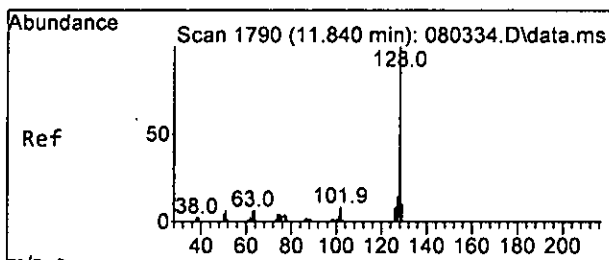


#51
 m,p-Xylene
 Concen: 0.011 ppb
 RT: 7.65 min Scan# 635
 Delta R.T. -0.000 min
 Lab File: 111917.D
 Acq: 20 Nov 2022 02:37 am

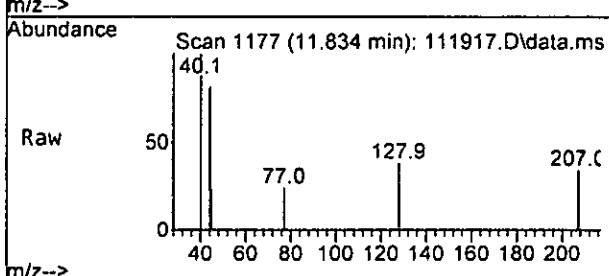


Tgt Ion:106 Resp: 60
 Ion Ratio Lower Upper
 106 100
 91 182.9 175.7 235.7



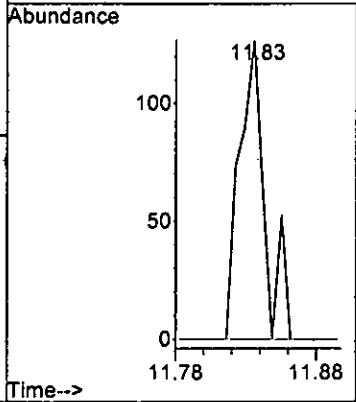
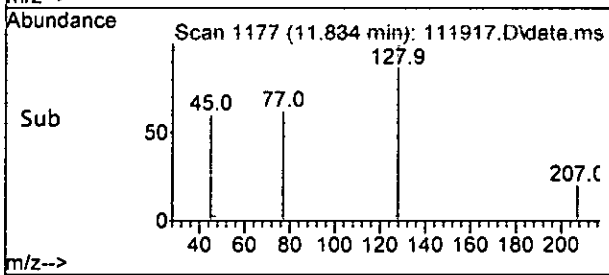


#75
 Naphthalene
 Concen: 0.094 ppb
 RT: 11.83 min Scan# 1177
 Delta R.T. -0.001 min
 Lab File: 111917.D
 Acq: 20 Nov 2022 02:37 am



Tgt Ion: 128 Resp: 167

Ion	Ratio	Lower	Upper
128	100		
129	0.0	0.0	40.8
127	0.0	0.0	43.1



Data Path : D:\Proc_GCMS13\11-19-22\
 Data File : 111917.D
 Acq On : 20 Nov 2022 02:37 am
 Operator : JCM
 Sample : 211274-09 1/0.25
 Misc : soil
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 11:55:26 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	4.73	96	99956	10.000	ppb	-0.01	
39) Chlorobenzene-d5	7.40	117	91649	10.000	ppb	0.00	
56) 1,4-Dichlorobenzene-d4	9.62	152	56869	10.000	ppb	0.00	
System Monitoring Compounds							
3) Dibromofluoromethane	4.17	113	33351	10.404	ppb	0.00	
Spiked Amount	10.000	Range 50 - 150	Recovery	=	104.00%		
30) 1,2-Dichloroethane-d4	4.45	102	5831	9.387	ppb	0.00	
Spiked Amount	10.000	Range 84 - 120	Recovery	=	93.90%		
35) Toluene-d8	6.11	98	95737	10.043	ppb	0.00	
Spiked Amount	10.000	Range 73 - 128	Recovery	=	100.40%		
57) 4-Bromofluorobenzene	8.51	95	36763	9.382	ppb	0.00	
Spiked Amount	10.000	Range 57 - 146	Recovery	=	93.80%		
Target Compounds							
2) Ethanol	2.33	45	111	No Calib			Qvalue
4) Dichlorodifluoromethane	0.00		0	N.D.			
5) Chloromethane	1.28	50	262	N.D.			
6) Vinyl chloride	0.00		0	N.D.			
7) Bromomethane	0.00		0	N.D. d			
8) Chloroethane	0.00		0	N.D.			
9) Trichlorofluoromethane	0.00		0	N.D.			
10) 2-Propanol	2.33	45	111	No Calib	#		
11) Acetone	2.33	58	33	Below Cal	#	1	
12) 1,1-Dichloroethene	0.00		0	N.D. d			
13) Hexane	3.16	57	240	N.D.			
14) Methylene chloride	2.68	84	5069	0.686	ppb	86	
15) t-Butyl alcohol (TBA)	0.00		0	N.D.			
16) Methyl t-butyl ether (...)	0.00		0	N.D.			
17) trans-1,2-Dichloroethene	0.00		0	N.D.			
18) Diisopropyl ether (DIPE)	0.00		0	N.D.			
19) 1,1-Dichloroethane	0.00		0	N.D.			
20) Ethyl t-butyl ether (E...)	0.00		0	N.D.			
21) 2,2-Dichloropropane	3.73	77	262	N.D.			
22) cis-1,2-Dichloroethene	0.00		0	N.D.			
23) Chloroform	4.04	83	261	N.D.			
24) 2-Butanone (MEK)	3.79	43	601	0.223	ppb	55	
25) t-Amyl methyl ether (T...)	0.00		0	N.D.			
26] 1,2-Dichloroethane (EDC)	4.52	62	67	Below Cal		90	
27) 1,1,1-Trichloroethane	0.00		0	N.D.			
28) 1,1-Dichloropropene	0.00		0	N.D.			
29) Carbon tetrachloride	0.00		0	N.D.			
31) Benzene	0.00		0	N.D.			
32) Trichloroethene	0.00		0	N.D. d			
33) 1,2-Dichloropropane	5.26	63	40	N.D.			
34) Bromodichloromethane	0.00		0	N.D.			
36) Dibromomethane	0.00		0	N.D.			

Data Path : D:\Proc_GCMS13\11-19-22\
 Data File : 111917.D
 Acq On : 20 Nov 2022 02:37 am
 Operator : JCM
 Sample : 211274-09 1/0.25
 Misc : soil
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS13

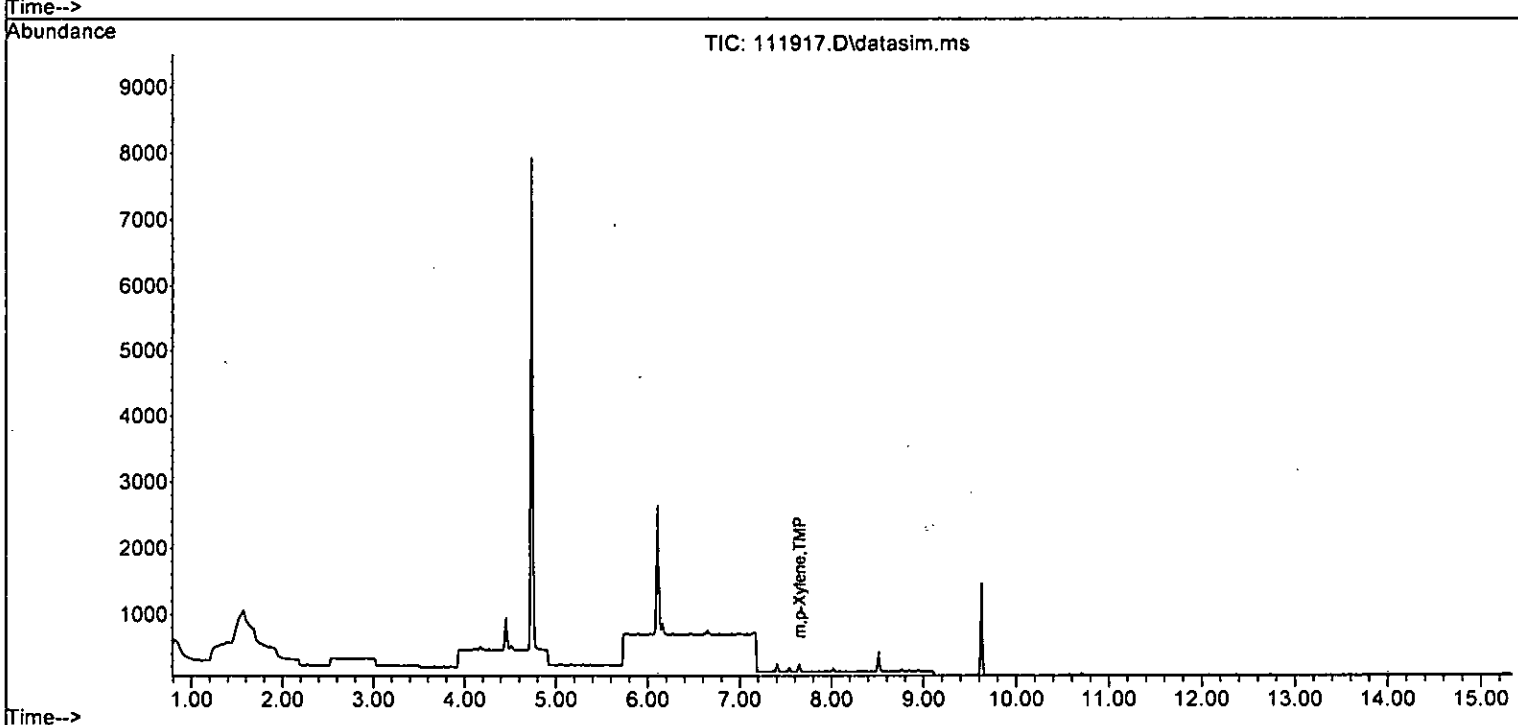
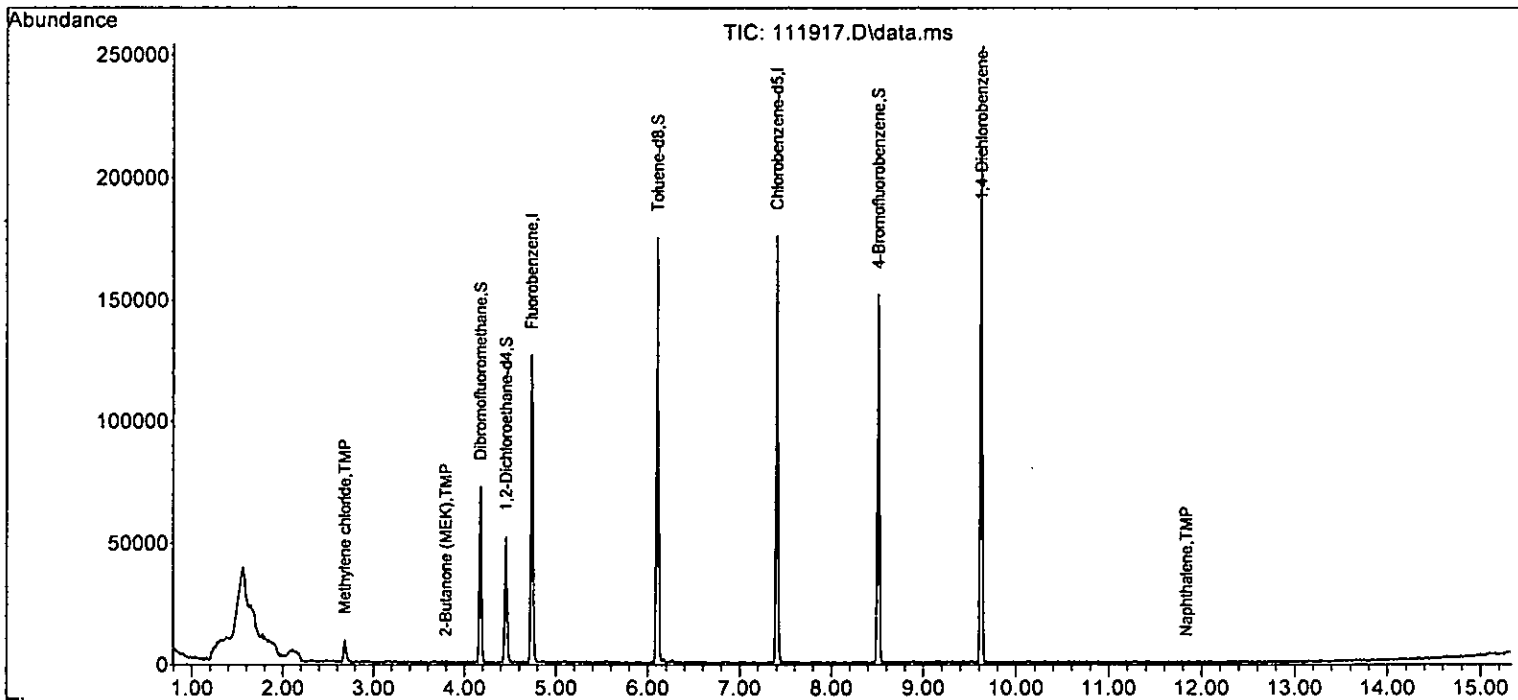
Quant Time: Nov 21 11:55:26 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.00		0		N.D.	
38) cis-1,3-Dichloropropene	0.00		0		N.D.	
40] Toluene	6.16	92	74	Below Cal		99
41) trans-1,3-Dichloropropene	0.00		0		N.D. d	
42) 1,1,2-Trichloroethane	0.00		0		N.D.	
43) 2-Hexanone	6.84	43	119		N.D.	
44) 1,3-Dichloropropane	0.00		0		N.D.	
45] Tetrachloroethene	6.65	164	34	Below Cal		84
46) Dibromochloromethane	0.00		0		N.D.	
47) 1,2-Dibromoethane (EDB)	0.00		0		N.D.	
48) Chlorobenzene	0.00		0		N.D.	
49) Ethylbenzene	7.54	91	64		N.D.	
50) 1,1,1,2-Tetrachloroethane	0.00		0		N.D.	
51] m,p-Xylene	7.65	106	60	0.011	ppb	85
52) o-Xylene	8.02	106	28		N.D.	
53) Styrene	0.00		0		N.D.	
54) Isopropylbenzene	8.37	105	133		N.D.	
55) Bromoform	0.00		0		N.D.	
58) n-Propylbenzene	8.77	91	68		N.D.	
59) Bromobenzene	0.00		0		N.D.	
60) 1,3,5-Trimethylbenzene	8.88	105	54		N.D.	
61) 1,1,2,2-Tetrachloroethane	0.00		0		N.D.	
62) 1,2,3-Trichloropropane	0.00		0		N.D. d	
63) 2-Chlorotoluene	8.84	91	27		N.D.	
64) 4-Chlorotoluene	9.02	91	58		N.D.	
65) tert-Butylbenzene	0.00		0		N.D.	
66) 1,2,4-Trimethylbenzene	9.28	105	134		N.D.	
67) sec-Butylbenzene	9.28	105	134		N.D.	
68) p-Isopropyltoluene	9.60	119	63		N.D.	
69) 1,3-Dichlorobenzene	0.00		0		N.D.	
70) 1,4-Dichlorobenzene	0.00		0		N.D.	
71) 1,2-Dichlorobenzene	0.00		0		N.D.	
72) 1,2-Dibromo-3-chloropr...	0.00		0		N.D.	
73) 1,2,4-Trichlorobenzene	0.00		0		N.D.	
74) Hexachlorobutadiene	0.00		0		N.D.	
75) Naphthalene	11.83	128	167	0.094	ppb	69
76) 1,2,3-Trichlorobenzene	0.00		0		N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS13\11-19-22\
 Data File : 111917.D
 Acq On : 20 Nov 2022 02:37 am
 Operator : JCM
 Sample : 211274-09 1/0.25
 Misc : soil
 ALS Vial : 12 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 11:55:26 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M



Data Path : D:\Proc_GCMS13\11-19-22\
 Data File : 111918.D
 Acq On : 20 Nov 2022 03:00 am
 Operator : JCM
 Sample : 211274-10 1/0.25
 Misc : soil
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 11:55:28 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

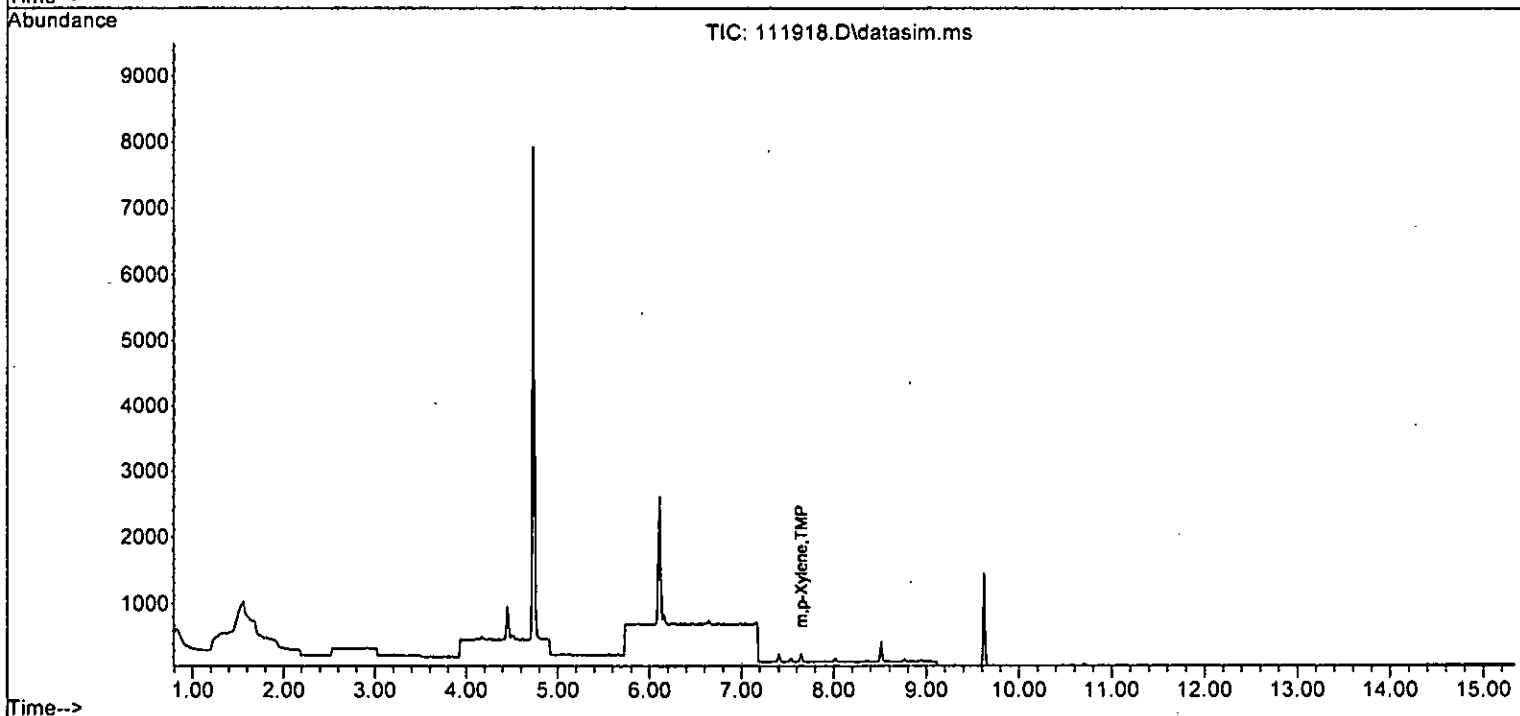
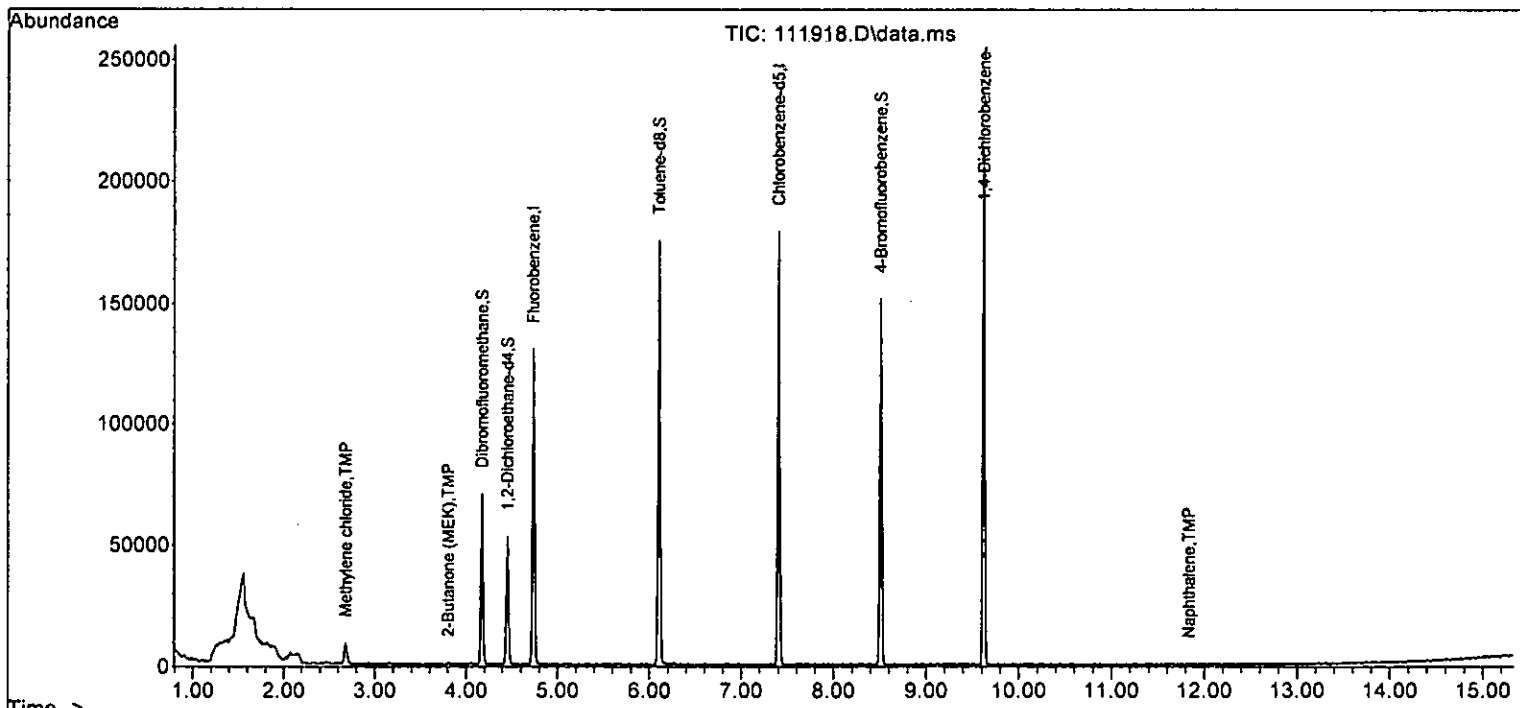
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

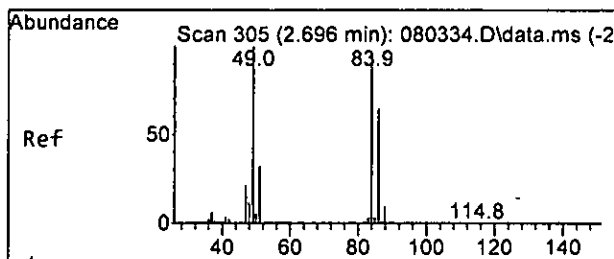
Internal Standards						
1) Fluorobenzene	4.73	96	99184	10.000	ppb	-0.01
39) Chlorobenzene-d5	7.41	117	93873	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	54545	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.18	113	33107	10.409	ppb	0.00
Spiked Amount	10.000	Range	50 - 150	Recovery	=	104.10%
30) 1,2-Dichloroethane-d4	4.45	102	5965	9.677	ppb	0.00
Spiked Amount	10.000	Range	84 - 120	Recovery	=	96.80%
35) Toluene-d8	6.11	98	97022	10.257	ppb	0.00
Spiked Amount	10.000	Range	73 - 128	Recovery	=	102.60%
57) 4-Bromofluorobenzene	8.51	95	36592	9.736	ppb	0.00
Spiked Amount	10.000	Range	57 - 146	Recovery	=	97.40%
Target Compounds						
11) Acetone	2.33	58	37	Below Cal	#	1
14) Methylene chloride	2.68	84	4142	0.351	ppb	89
24) 2-Butanone (MEK)	3.81	43	467	0.119	ppb	55
26] 1,2-Dichloroethane (EDC)	4.52	62	77	Below Cal		97
40] Toluene	6.16	92	87	Below Cal		83
45] Tetrachloroethene	6.65	164	28	Below Cal		89
51] m,p-Xylene	7.65	106	68	0.012	ppb #	79
75) Naphthalene	11.83	128	95	0.088	ppb	69

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS13\11-19-22\
Data File : 111918.D
Acq On : 20 Nov 2022 03:00 am
Operator : JCM
Sample : 211274-10 1/0.25
Misc : soil
ALS Vial : 13 Sample Multiplier: 1
InstName : GCMS13

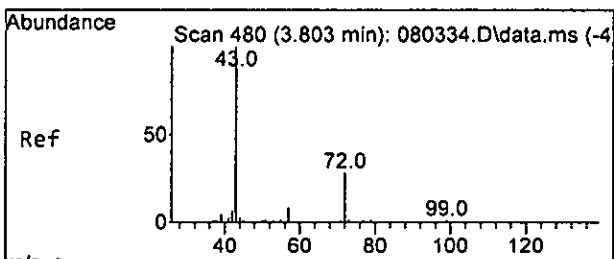
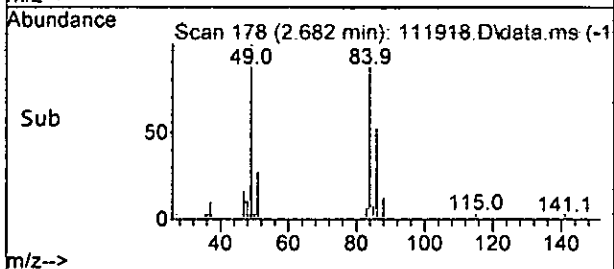
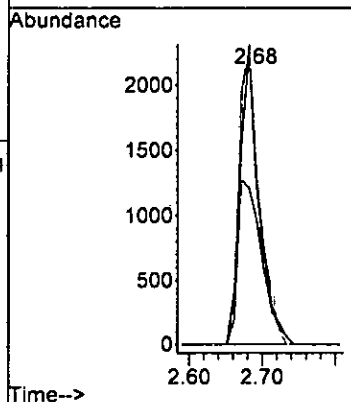
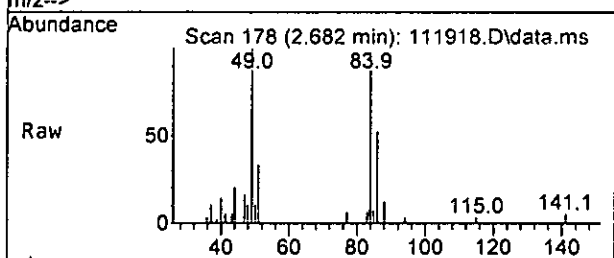
Quant Time: Nov 21 11:55:28 2022
Quant Method : D:\Methods\Inst13\VB110522ms13LL.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
QLast Update : Mon Nov 07 15:16:10 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M





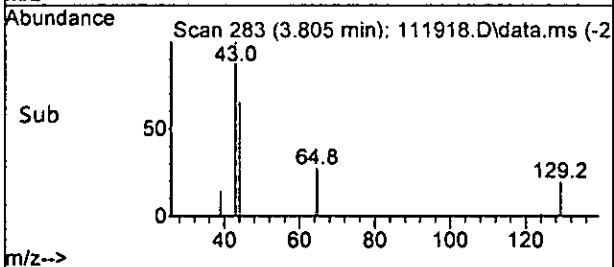
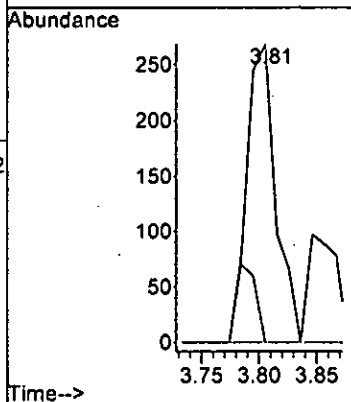
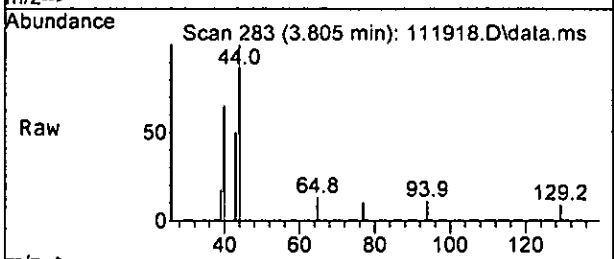
#14
 Methylene chloride
 Concen: 0.351 ppb
 RT: 2.68 min Scan# 178
 Delta R.T. 0.000 min
 Lab File: 111918.D
 Acq: 20 Nov 2022 03:00 am

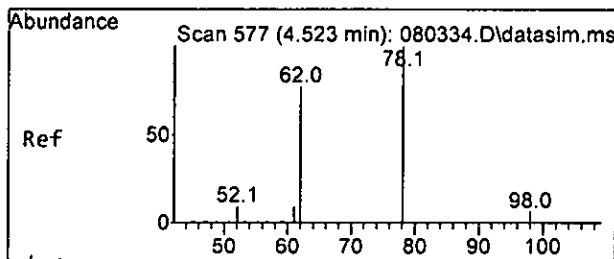
Tgt Ion	Resp	Lower	Upper
84	100		
86	53.7	37.1	97.1
49	102.5	81.3	141.3



#24
 2-Butanone (MEK)
 Concen: 0.119 ppb
 RT: 3.81 min Scan# 283
 Delta R.T. 0.010 min
 Lab File: 111918.D
 Acq: 20 Nov 2022 03:00 am

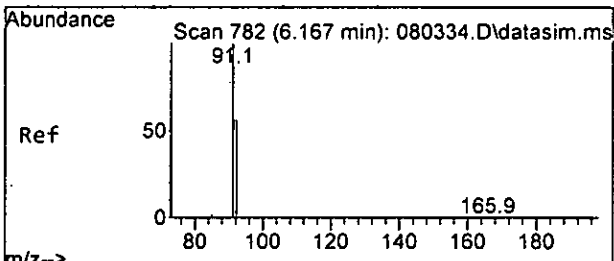
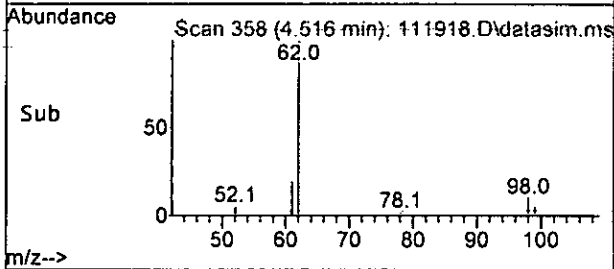
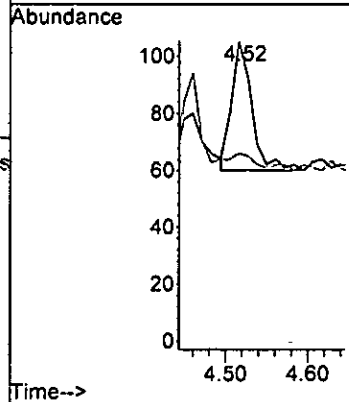
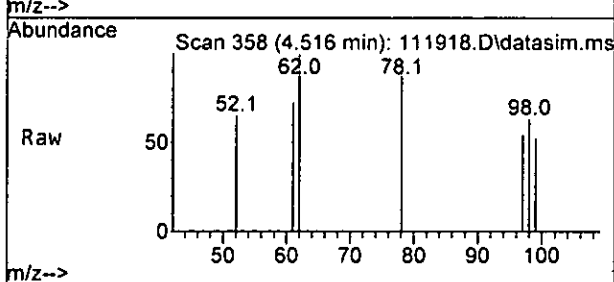
Tgt Ion	Resp	Lower	Upper
43	100		
72	0.0	0.0	57.0
57	0.0	0.0	28.0





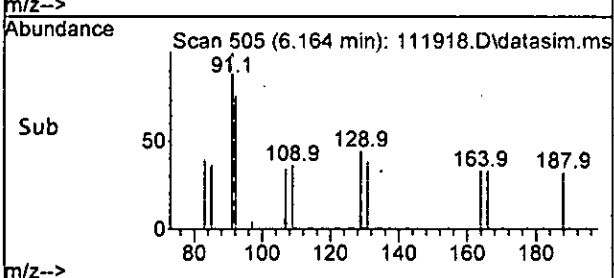
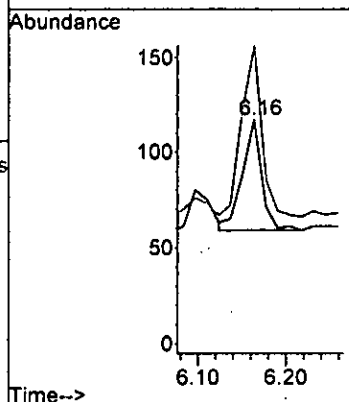
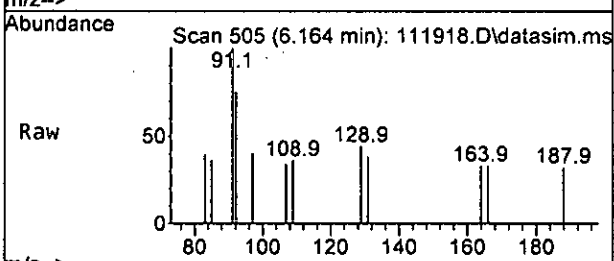
#26
 1,2-Dichloroethane (EDC)
 Concen: Below Cal
 RT: 4.52 min Scan# 358
 Delta R.T. -0.011 min
 Lab File: 111918.D
 Acq: 20 Nov 2022 03:00 am

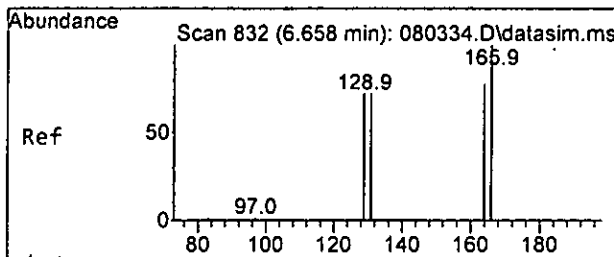
Tgt Ion: 62 Resp: 77
 Ion Ratio Lower Upper
 62 100
 98 8.9 0.0 40.1



#40
 Toluene
 Concen: Below Cal
 RT: 6.16 min Scan# 505
 Delta R.T. 0.000 min
 Lab File: 111918.D
 Acq: 20 Nov 2022 03:00 am

Tgt Ion: 92 Resp: 87
 Ion Ratio Lower Upper
 92 100
 91 155.2 148.5 208.5

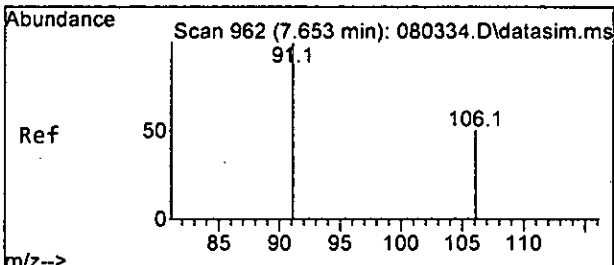
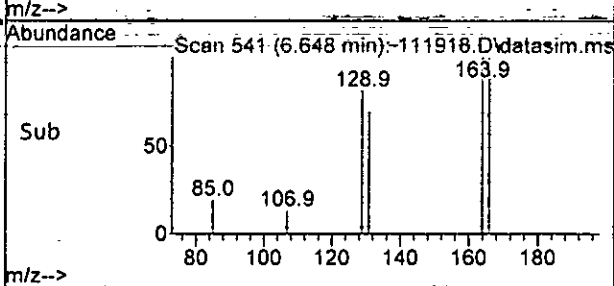
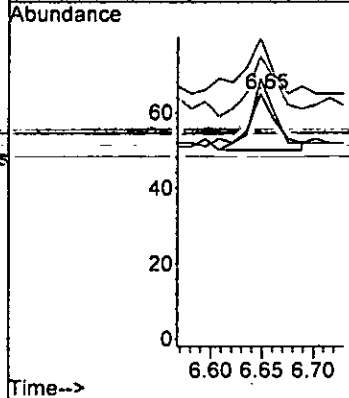
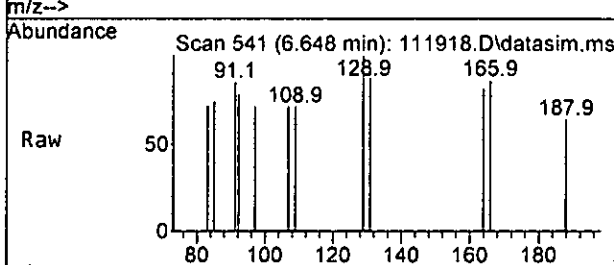




#45
 Tetrachloroethene
 Concen: Below Cal
 RT: 6.65 min Scan# 541
 Delta R.T. 0.000 min
 Lab File: 111918.D
 Acq: 20 Nov 2022 03:00 am

Tgt Ion: 164 Resp: 28

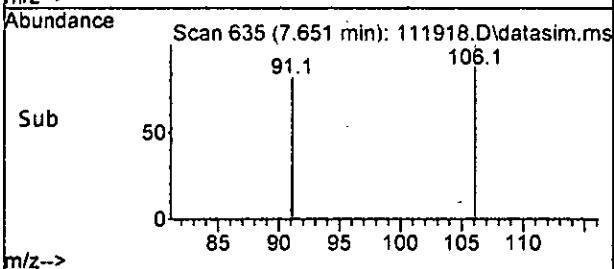
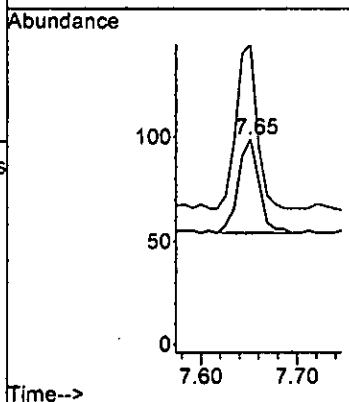
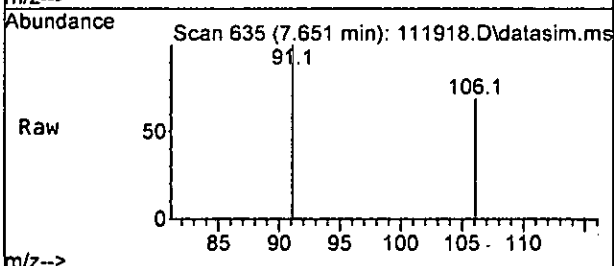
Ion	Ratio	Lower	Upper
164	100		
129	86.7	72.1	132.1
131	106.7	64.8	124.8
166	113.3	90.0	150.0

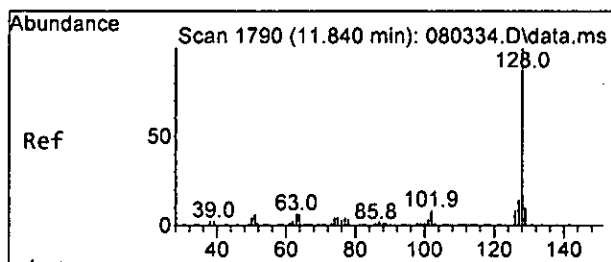


#51
 m,p-Xylene
 Concen: 0.012 ppb
 RT: 7.65 min Scan# 635
 Delta R.T. 0.000 min
 Lab File: 111918.D
 Acq: 20 Nov 2022 03:00 am

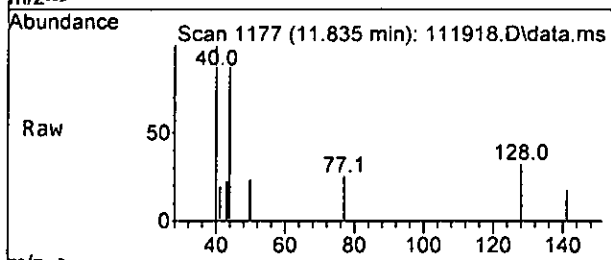
Tgt Ion: 106 Resp: 68

Ion	Ratio	Lower	Upper
106	100		
91	173.3	175.7	235.7#



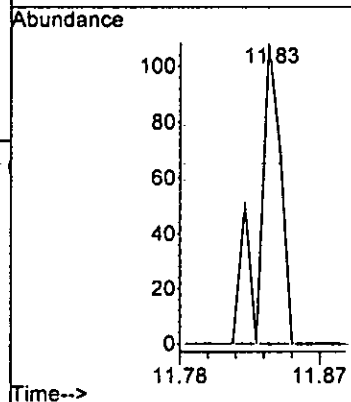
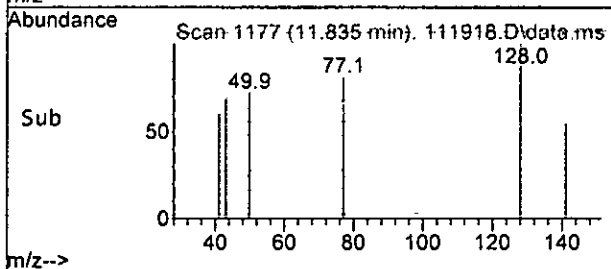


#75
 Naphthalene
 Concen: 0.088 ppb
 RT: 11.83 min Scan# 1177
 Delta R.T. -0.000 min
 Lab File: 111918.D
 Acq: 20 Nov 2022 03:00 am



Tgt Ion: 128 Resp: 95

Ion	Ratio	Lower	Upper
128	100		
129	0.0	0.0	40.8
127	0.0	0.0	43.1



Data Path : D:\Proc_GCMS13\11-19-22\
 Data File : 111918.D
 Acq On : 20 Nov 2022 03:00 am
 Operator : JCM
 Sample : 211274-10 1/0.25
 Misc : soil
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 11:55:28 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) Fluorobenzene	4.73	96	99184	10.000	ppb	-0.01	
39) Chlorobenzene-d5	7.41	117	93873	10.000	ppb	0.00	
56) 1,4-Dichlorobenzene-d4	9.62	152	54545	10.000	ppb	0.00	
System Monitoring Compounds							
3) Dibromofluoromethane	4.18	113	33107	10.409	ppb	0.00	
Spiked Amount	10.000	Range 50 - 150	Recovery	=	104.10%		
30) 1,2-Dichloroethane-d4	4.45	102	5965	9.677	ppb	0.00	
Spiked Amount	10.000	Range 84 - 120	Recovery	=	96.80%		
35) Toluene-d8	6.11	98	97022	10.257	ppb	0.00	
Spiked Amount	10.000	Range 73 - 128	Recovery	=	102.60%		
57) 4-Bromofluorobenzene	8.51	95	36592	9.736	ppb	0.00	
Spiked Amount	10.000	Range 57 - 146	Recovery	=	97.40%		
Target Compounds							
2) Ethanol	2.36	45	109	No Calib			Qvalue
4) Dichlorodifluoromethane	0.00		0	N.D.			
5) Chloromethane	1.27	50	308	N.D.			
6) Vinyl chloride	0.00		0	N.D. d			
7) Bromomethane	0.00		0	N.D.			
8) Chloroethane	0.00		0	N.D.			
9) Trichlorofluoromethane	1.86	101	32	N.D.			
10) 2-Propanol	2.36	45	109	No Calib #			
11) Acetone	2.33	58	37	Below Cal #			1
12) 1,1-Dichloroethene	0.00		0	N.D.			
13) Hexane	3.15	57	169	N.D.			
14) Methylene chloride	2.68	84	4142	0.351 ppb			89
15) t-Butyl alcohol (TBA)	0.00		0	N.D.			
16) Methyl t-butyl ether (...)	0.00		0	N.D.			
17) trans-1,2-Dichloroethene	0.00		0	N.D.			
18) Diisopropyl ether (DIPE)	3.35	45	33	N.D.			
19) 1,1-Dichloroethane	0.00		0	N.D.			
20) Ethyl t-butyl ether (E...)	0.00		0	N.D.			
21) 2,2-Dichloropropane	3.74	77	153	N.D.			
22) cis-1,2-Dichloroethene	0.00		0	N.D.			
23) Chloroform	4.04	83	348	N.D.			
24) 2-Butanone (MEK)	3.81	43	467	0.119 ppb			55
25) t-Amyl methyl ether (T...)	0.00		0	N.D.			
26) 1,2-Dichloroethane (EDC)	4.52	62	77	Below Cal			97
27) 1,1,1-Trichloroethane	0.00		0	N.D.			
28) 1,1-Dichloropropene	0.00		0	N.D.			
29) Carbon tetrachloride	0.00		0	N.D.			
31) Benzene	4.50	78	49	N.D.			
32) Trichloroethene	0.00		0	N.D. d			
33) 1,2-Dichloropropane	0.00		0	N.D.			
34) Bromodichloromethane	0.00		0	N.D.			
36) Dibromomethane	0.00		0	N.D.			

Data Path : D:\Proc_GCMS13\11-19-22\
 Data File : 111918.D
 Acq On : 20 Nov 2022 03:00 am
 Operator : JCM
 Sample : 211274-10 1/0.25
 Misc : soil
 ALS Vial : 13 Sample Multiplier: 1
 InstName : GCMS13

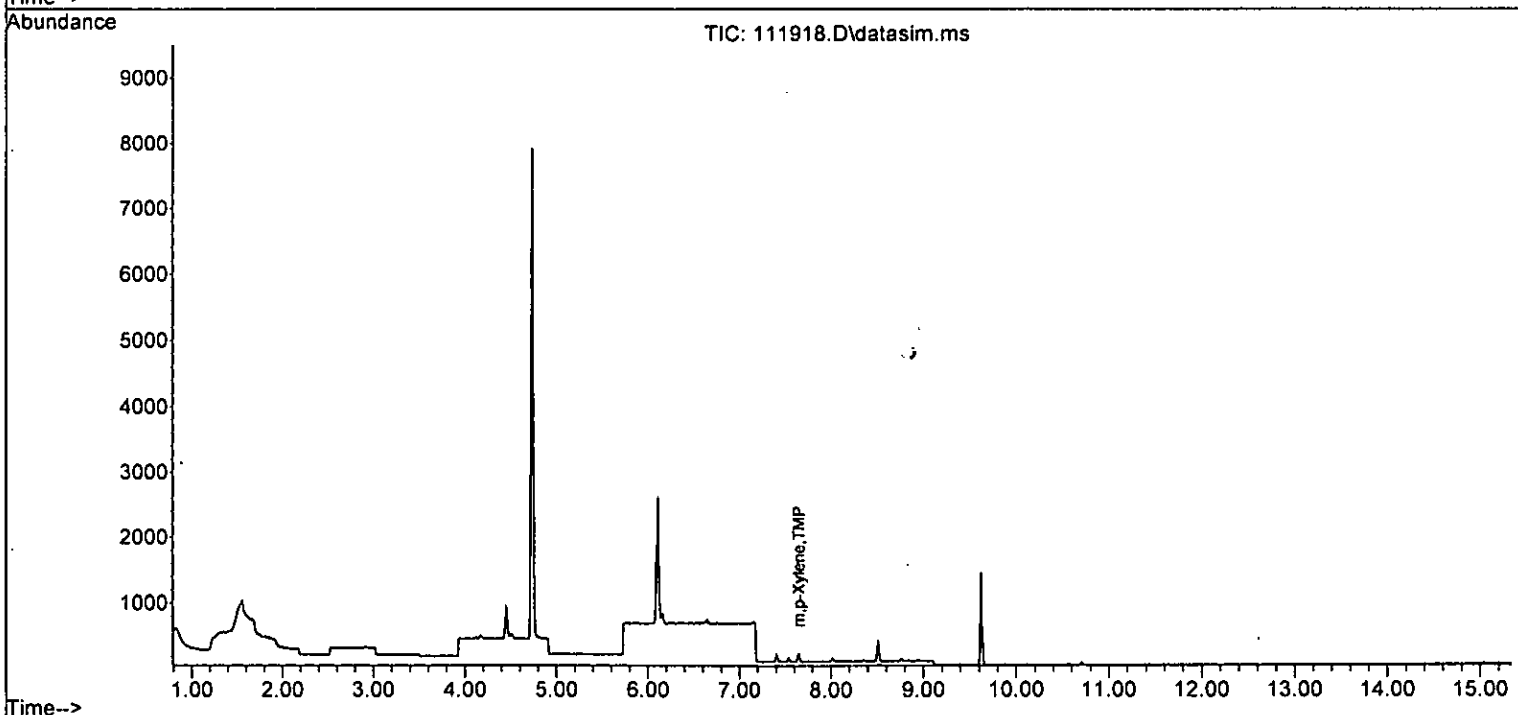
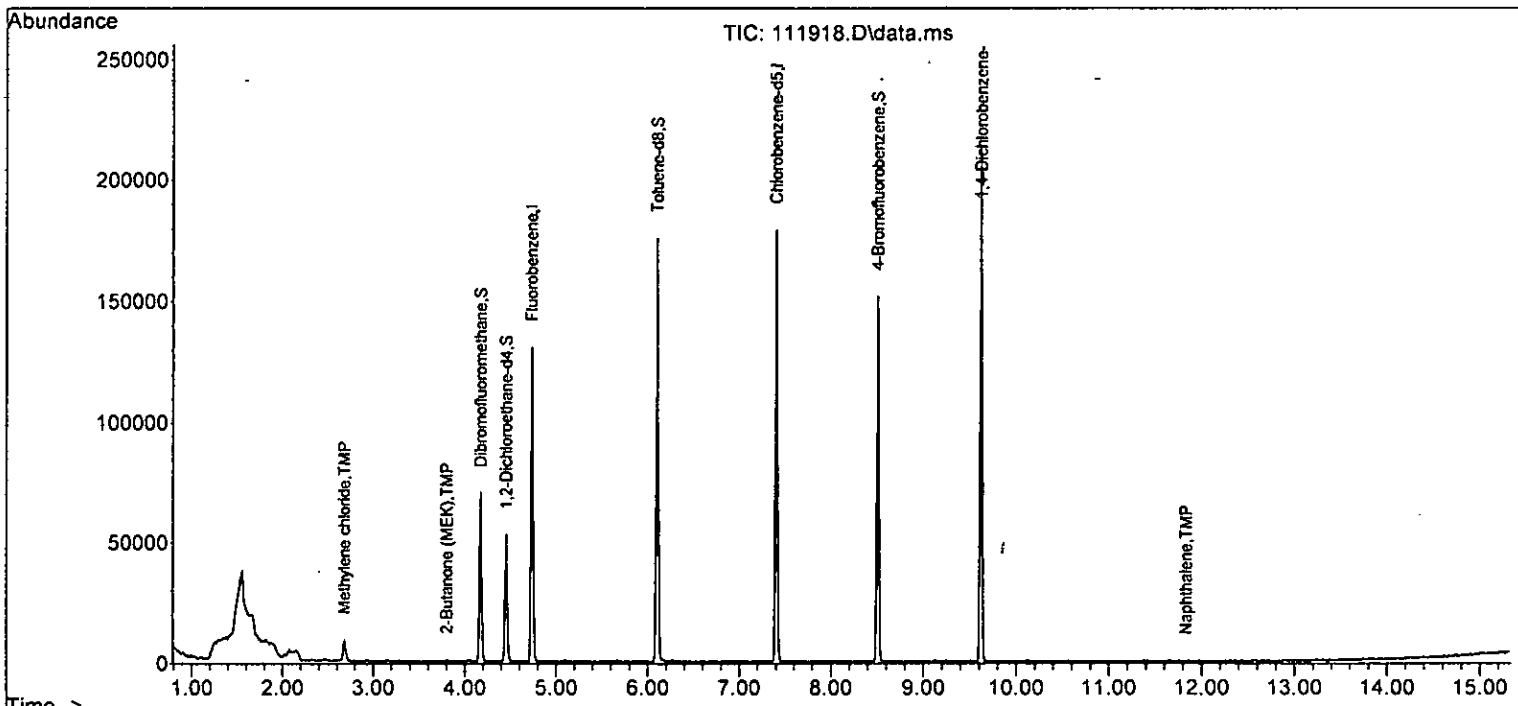
Quant Time: Nov 21 11:55:28 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.00		0		N.D.	
38) cis-1,3-Dichloropropene	0.00		0		N.D.	
40] Toluene	6.16	92	87	Below Cal		83
41) trans-1,3-Dichloropropene	0.00		0		N.D. d	
42) 1,1,2-Trichloroethane	0.00		0		N.D.	
43) 2-Hexanone	6.74	43	59		N.D.	
44) 1,3-Dichloropropane	0.00		0		N.D.	
45] Tetrachloroethene	6.65	164	28	Below Cal		89
46) Dibromochloromethane	0.00		0		N.D.	
47) 1,2-Dibromoethane (EDB)	0.00		0		N.D.	
48) Chlorobenzene	0.00		0		N.D.	
49) Ethylbenzene	7.54	91	57		N.D.	
50) 1,1,1,2-Tetrachloroethane	0.00		0		N.D.	
51] m,p-Xylene	7.65	106	68	0.012	ppb #	79
52) o-Xylene	8.02	106	30		N.D.	
53) Styrene	0.00		0		N.D.	
54) Isopropylbenzene	8.37	105	98		N.D.	
55) Bromoform	0.00		0		N.D.	
58) n-Propylbenzene	8.77	91	34		N.D.	
59) Bromobenzene	0.00		0		N.D.	
60) 1,3,5-Trimethylbenzene	8.94	105	28		N.D.	
61) 1,1,2,2-Tetrachloroethane	0.00		0		N.D.	
62) 1,2,3-Trichloropropane	0.00		0		N.D. d	
63) 2-Chlorotoluene	8.77	91	34		N.D.	
64) 4-Chlorotoluene	8.77	91	34		N.D.	
65) tert-Butylbenzene	0.00		0		N.D.	
66) 1,2,4-Trimethylbenzene	9.30	105	151		N.D.	
67) sec-Butylbenzene	9.62	105	57		N.D.	
68) p-Isopropyltoluene	0.00		0		N.D.	
69) 1,3-Dichlorobenzene	9.64	146	26		N.D.	
70) 1,4-Dichlorobenzene	9.64	146	26		N.D.	
71) 1,2-Dichlorobenzene	0.00		0		N.D.	
72) 1,2-Dibromo-3-chloropr...	0.00		0		N.D.	
73) 1,2,4-Trichlorobenzene	11.60	180	25		N.D.	
74) Hexachlorobutadiene	0.00		0		N.D.	
75) Naphthalene	11.83	128	95	0.088	ppb	69
76) 1,2,3-Trichlorobenzene	0.00		0		N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS13\11-19-22\
Data File : 111918.D
Acq On : 20 Nov 2022 03:00 am
Operator : JCM
Sample : 211274-10 1/0.25
Misc : soil
ALS Vial : 13 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Nov 21 11:55:28 2022
Quant Method : D:\Methods\Inst13\VB110522ms13LL.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
QLast Update : Mon Nov 07 15:16:10 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M



Data Path : D:\Proc_GCMS13\11-19-22\
 Data File : 111919.D
 Acq On : 20 Nov 2022 03:23 am
 Operator : JCM
 Sample : 211274-11 1/0.25
 Misc : soil
 ALS Vial : 14 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 11:55:30 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

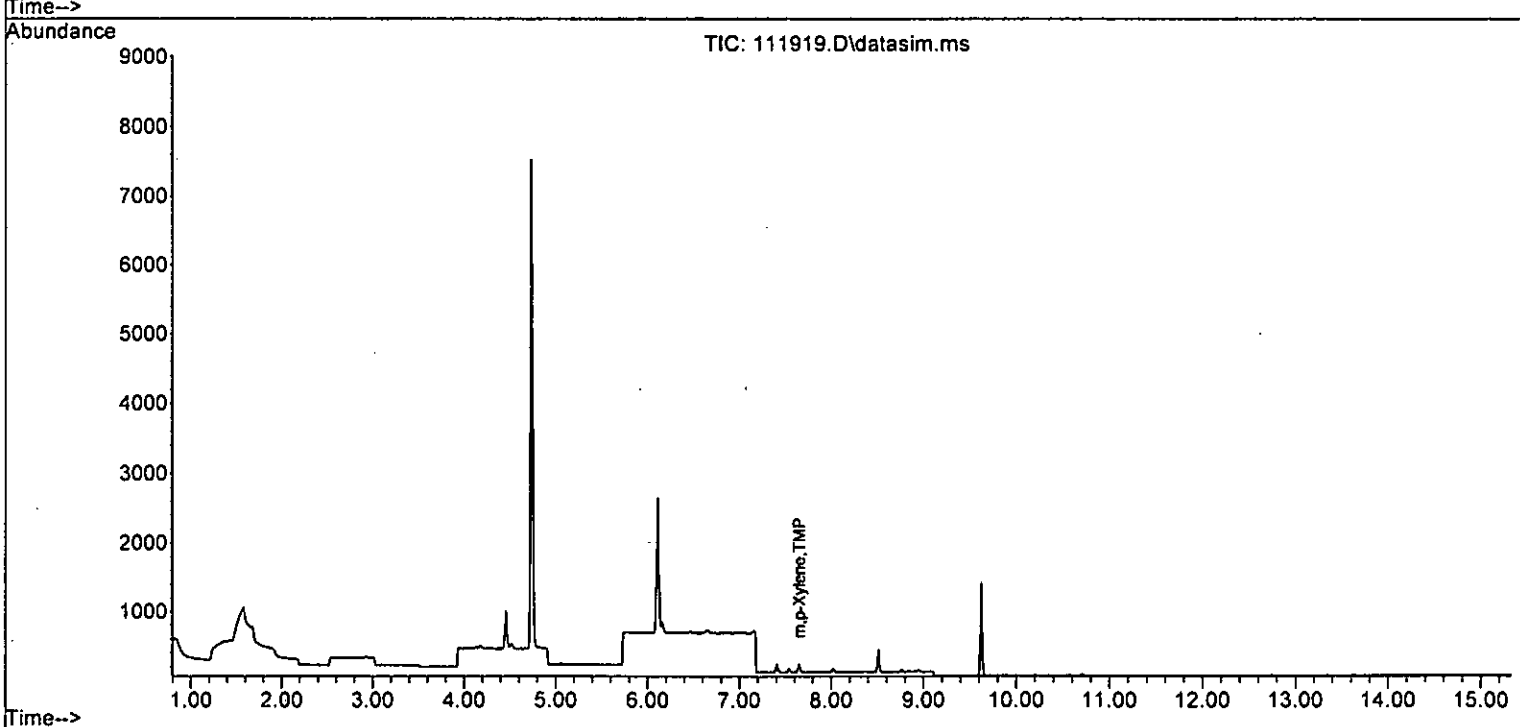
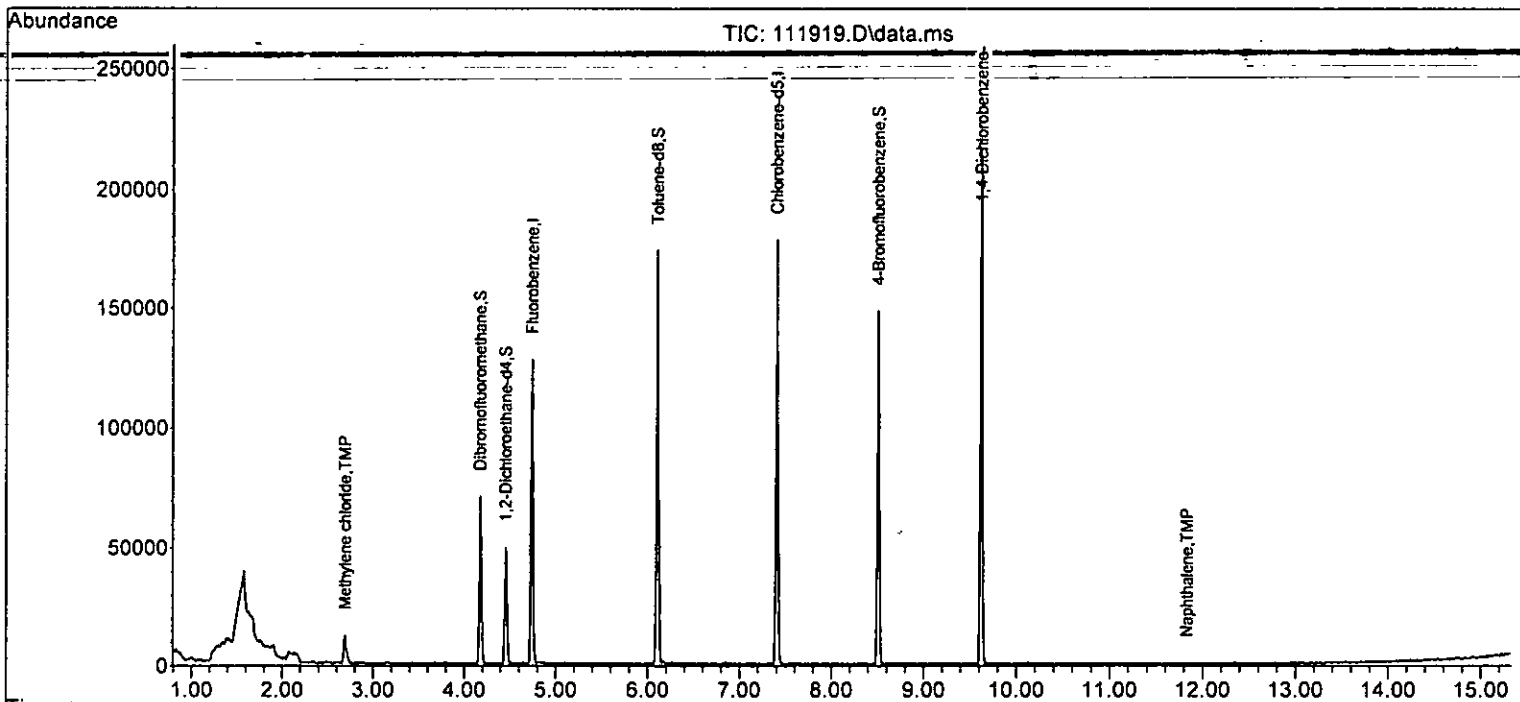
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

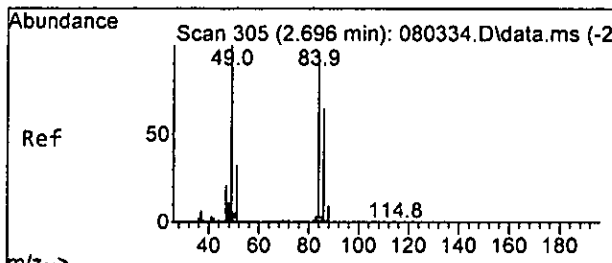
Internal Standards						
1) Fluorobenzene	4.75	96	107962	10.000	ppb	0.00
39) Chlorobenzene-d5	7.40	117	93439	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	55678	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.17	113	32994	9.530	ppb	0.00
Spiked Amount	10.000	Range	50 - 150	Recovery	=	95.30%
30) 1,2-Dichloroethane-d4	4.45	102	6004	8.948	ppb	0.00
Spiked Amount	10.000	Range	84 - 120	Recovery	=	89.50%
35) Toluene-d8	6.10	98	96784	9.400	ppb	0.00
Spiked Amount	10.000	Range	73 - 128	Recovery	=	94.00%
57) 4-Bromofluorobenzene	8.51	95	37026	9.651	ppb	0.00
Spiked Amount	10.000	Range	57 - 146	Recovery	=	96.50%
Target Compounds						
11) Acetone	2.33	58	93	Below Cal	#	1
14) Methylene chloride	2.69	84	6366	0.995	ppb	93
26] 1,2-Dichloroethane (EDC)	4.53	62	68	Below Cal		90
40] Toluene	6.16	92	81	Below Cal		91
45] Tetrachloroethene	6.65	164	23	Below Cal		90
51] m,p-Xylene	7.65	106	68	0.012	ppb	# 78
75) Naphthalene	11.83	128	107	0.088	ppb	69

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS13\11-19-22\
Data File : 111919.D
Acq On : 20 Nov 2022 03:23 am
Operator : JCM
Sample : 211274-11 1/0.25
Misc : soil
ALS Vial : 14 Sample Multiplier: 1
InstName : GCMS13

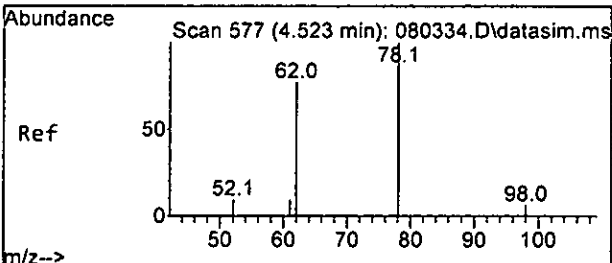
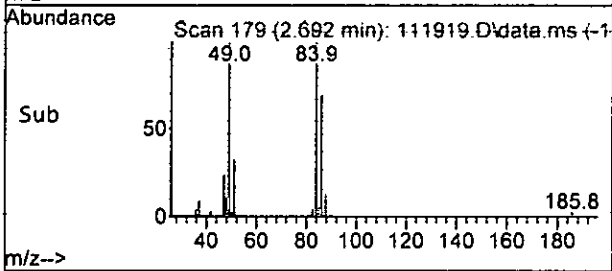
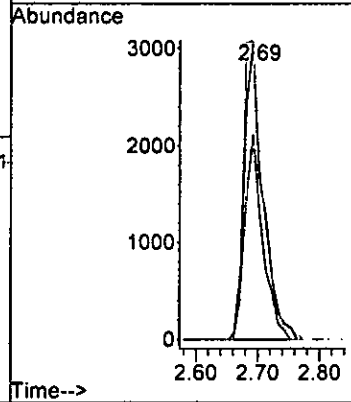
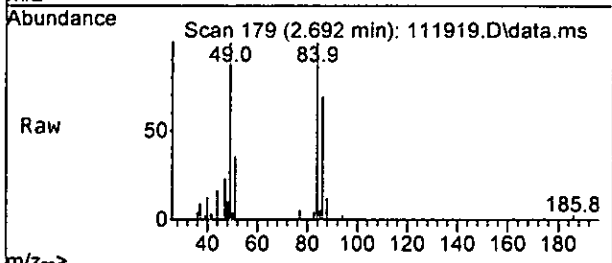
Quant Time: Nov 21 11:55:30 2022
Quant Method : D:\Methods\Inst13\VB110522ms13LL.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
QLast Update : Mon Nov 07 15:16:10 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M





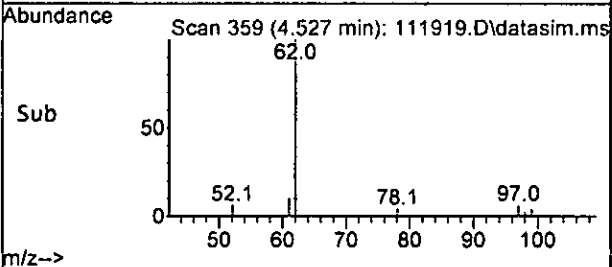
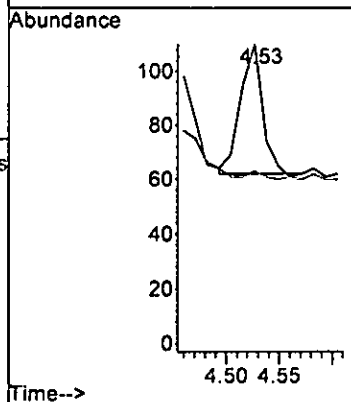
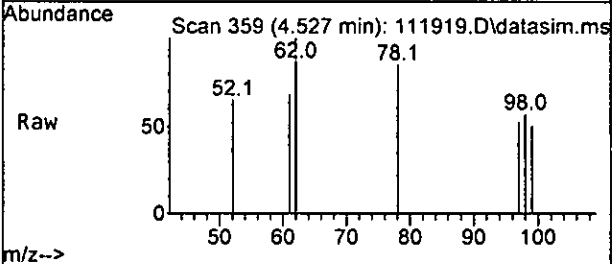
#14
 Methylene chloride
 Concen: 0.995 ppb
 RT: 2.69 min Scan# 179
 Delta R.T. 0.010 min
 Lab File: 111919.D
 Acq: 20 Nov 2022 03:23 am

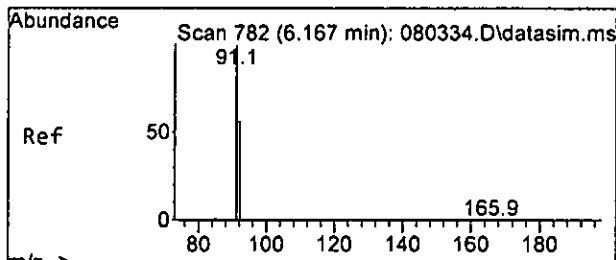
Tgt Ion	Resp	Lower	Upper
84	6366		
84	100		
86	68.9	37.1	97.1
49	100.4	81.3	141.3



#26
 1,2-Dichloroethane (EDC)
 Concen: Below Cal
 RT: 4.53 min Scan# 359
 Delta R.T. -0.000 min
 Lab File: 111919.D
 Acq: 20 Nov 2022 03:23 am

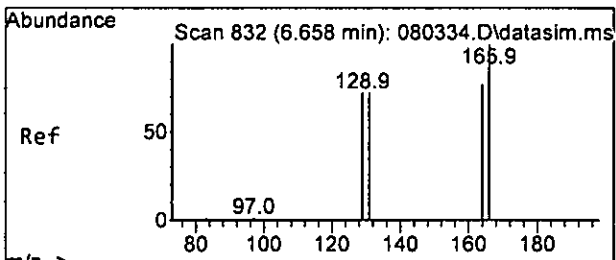
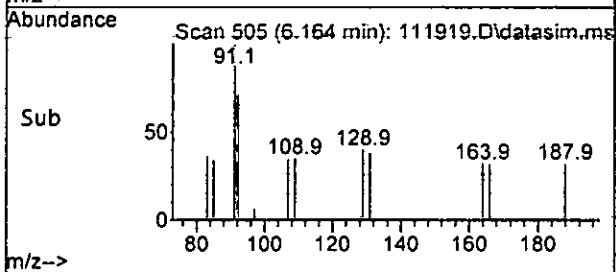
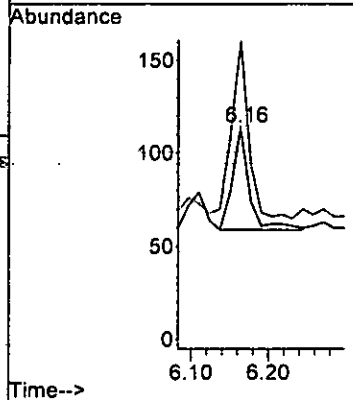
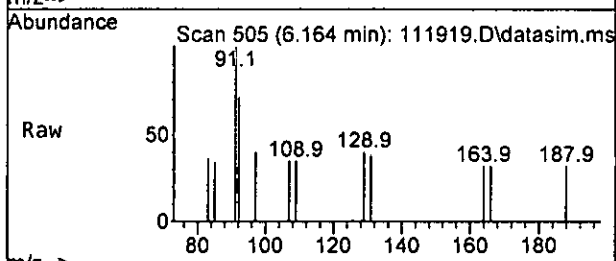
Tgt Ion	Resp	Lower	Upper
62	68		
62	100		
98	6.3	0.0	40.1





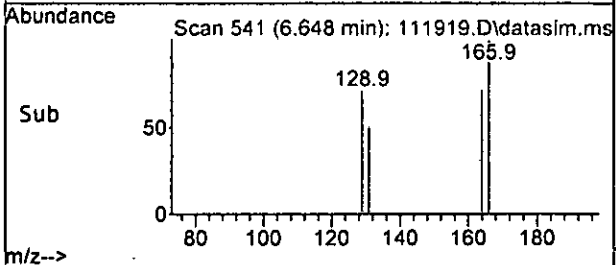
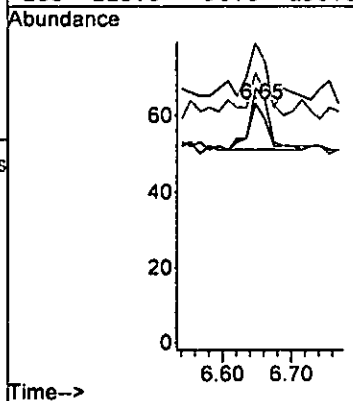
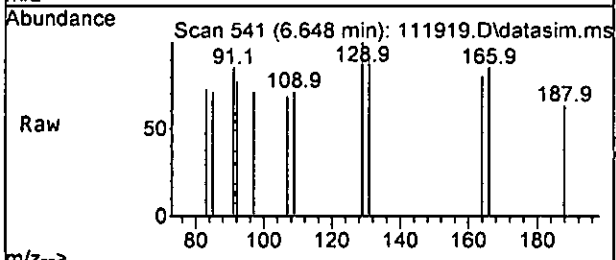
#40
 Toluene
 Concen: Below Cal
 RT: 6.16 min Scan# 505
 Delta R.T. -0.000 min
 Lab File: 111919.D
 Acq: 20 Nov 2022 03:23 am

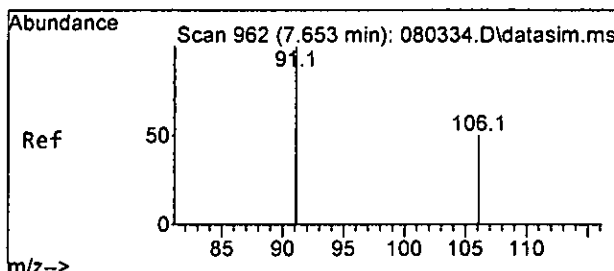
Tgt Ion: 92 Resp: 81
 Ion Ratio Lower Upper
 92 100
 91 165.5 148.5 208.5



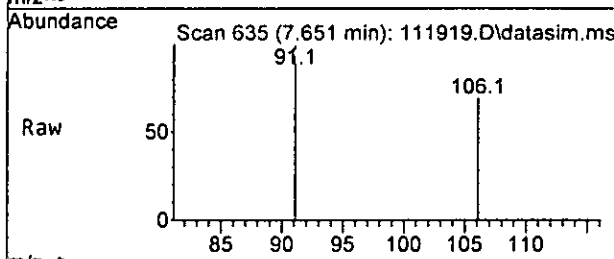
#45
 Tetrachloroethene
 Concen: Below Cal
 RT: 6.65 min Scan# 541
 Delta R.T. -0.000 min
 Lab File: 111919.D
 Acq: 20 Nov 2022 03:23 am

Tgt Ion: 164 Resp: 23
 Ion Ratio Lower Upper
 164 100
 129 116.7 72.1 132.1
 131 83.3 64.8 124.8
 166 125.0 90.0 150.0

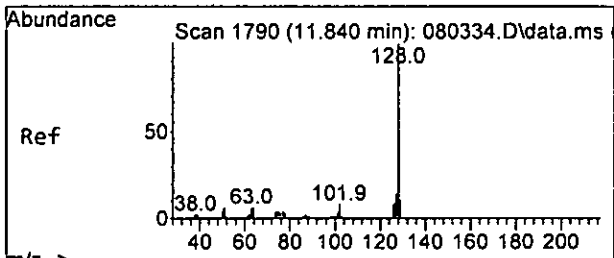
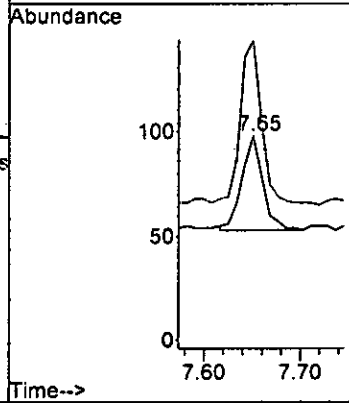
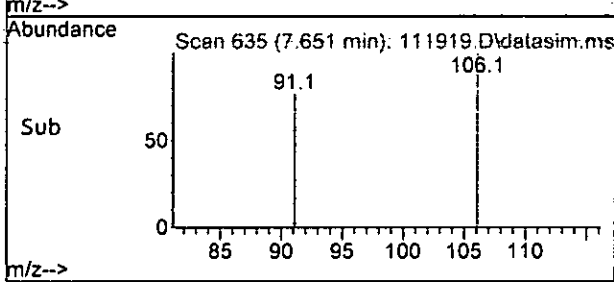




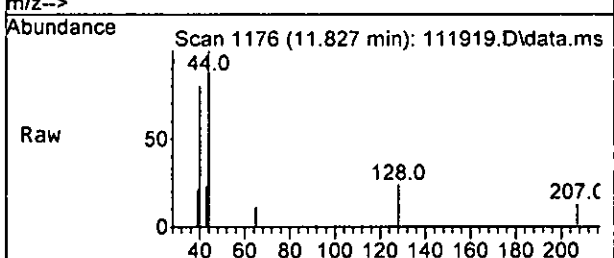
#51
 m,p-Xylene
 Concen: 0.012 ppb
 RT: 7.65 min Scan# 635
 Delta R.T. -0.000 min
 Lab File: 111919.D
 Acq: 20 Nov 2022 03:23 am



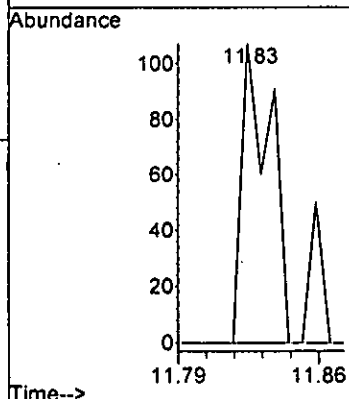
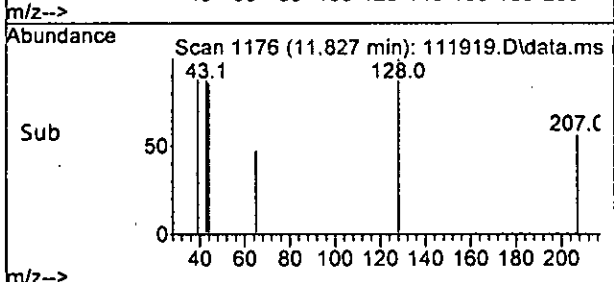
Tgt Ion:106 Resp: 68
 Ion Ratio Lower Upper
 106 100
 91 171.1 175.7 235.7#



#75
 Naphthalene
 Concen: 0.088 ppb
 RT: 11.83 min Scan# 1176
 Delta R.T. -0.008 min
 Lab File: 111919.D
 Acq: 20 Nov 2022 03:23 am



Tgt Ion:128 Resp: 107
 Ion Ratio Lower Upper
 128 100
 129 0.0 0.0 40.8
 127 0.0 0.0 43.1



Data Path : D:\Proc_GCMS13\11-19-22\
 Data File : 111919.D
 Acq On : 20 Nov 2022 03:23 am
 Operator : JCM
 Sample : 211274-11 1/0.25
 Misc : soil
 ALS Vial : 14 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 11:55:30 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) Fluorobenzene	4.75	96	107962	10.000	ppb	0.00	
39) Chlorobenzene-d5	7.40	117	93439	10.000	ppb	0.00	
56) 1,4-Dichlorobenzene-d4	9.62	152	55678	10.000	ppb	0.00	
System Monitoring Compounds							
3) Dibromofluoromethane	4.17	113	32994	9.530	ppb	0.00	
Spiked Amount	10.000	Range	50 - 150	Recovery	=	95.30%	
30) 1,2-Dichloroethane-d4	4.45	102	6004	8.948	ppb	0.00	
Spiked Amount	10.000	Range	84 - 120	Recovery	=	89.50%	
35) Toluene-d8	6.10	98	96784	9.400	ppb	0.00	
Spiked Amount	10.000	Range	73 - 128	Recovery	=	94.00%	
57) 4-Bromofluorobenzene	8.51	95	37026	9.651	ppb	0.00	
Spiked Amount	10.000	Range	57 - 146	Recovery	=	96.50%	
Target Compounds							
2) Ethanol	2.32	45	96	No Calib			Qvalue
4) Dichlorodifluoromethane	0.00		0	N.D.			
5) Chloromethane	1.23	50	473	N.D.			
6) Vinyl chloride	0.00		0	N.D.			
7) Bromomethane	0.00		0	N.D. d			
8) Chloroethane	0.00		0	N.D.			
9) Trichlorofluoromethane	0.00		0	N.D.			
10) 2-Propanol	2.32	45	96	No Calib	#		
11) Acetone	2.33	58	93	Below Cal	#	1	
12) 1,1-Dichloroethene	0.00		0	N.D. d			
13) Hexane	3.17	57	331	N.D.			
14) Methylene chloride	2.69	84	6366	0.995	ppb	93	
15) t-Butyl alcohol (TBA)	0.00		0	N.D.			
16) Methyl t-butyl ether (...)	0.00		0	N.D.			
17) trans-1,2-Dichloroethene	0.00		0	N.D.			
18) Diisopropyl ether (DIPE)	0.00		0	N.D.			
19) 1,1-Dichloroethane	0.00		0	N.D.			
20) Ethyl t-butyl ether (E...)	0.00		0	N.D.			
21) 2,2-Dichloropropane	3.79	77	143	N.D.			
22) cis-1,2-Dichloroethene	0.00		0	N.D.			
23) Chloroform	0.00		0	N.D.			
24) 2-Butanone (MEK)	0.00		0	N.D. d			
25) t-Amyl methyl ether (T...)	0.00		0	N.D.			
26] 1,2-Dichloroethane (EDC)	4.53	62	68	Below Cal		90	
27) 1,1,1-Trichloroethane	0.00		0	N.D.			
28) 1,1-Dichloropropene	0.00		0	N.D.			
29) Carbon tetrachloride	0.00		0	N.D.			
31) Benzene	0.00		0	N.D.			
32) Trichloroethene	0.00		0	N.D.			
33) 1,2-Dichloropropane	5.28	63	70	N.D.			
34) Bromodichloromethane	0.00		0	N.D.			
36) Dibromomethane	0.00		0	N.D.			

Data Path : D:\Proc_GCMS13\11-19-22\
 Data File : 111919.D
 Acq On : 20 Nov 2022 03:23 am
 Operator : JCM
 Sample : 211274-11 1/0.25
 Misc : soil
 ALS Vial : 14 Sample Multiplier: 1
 InstName : GCMS13

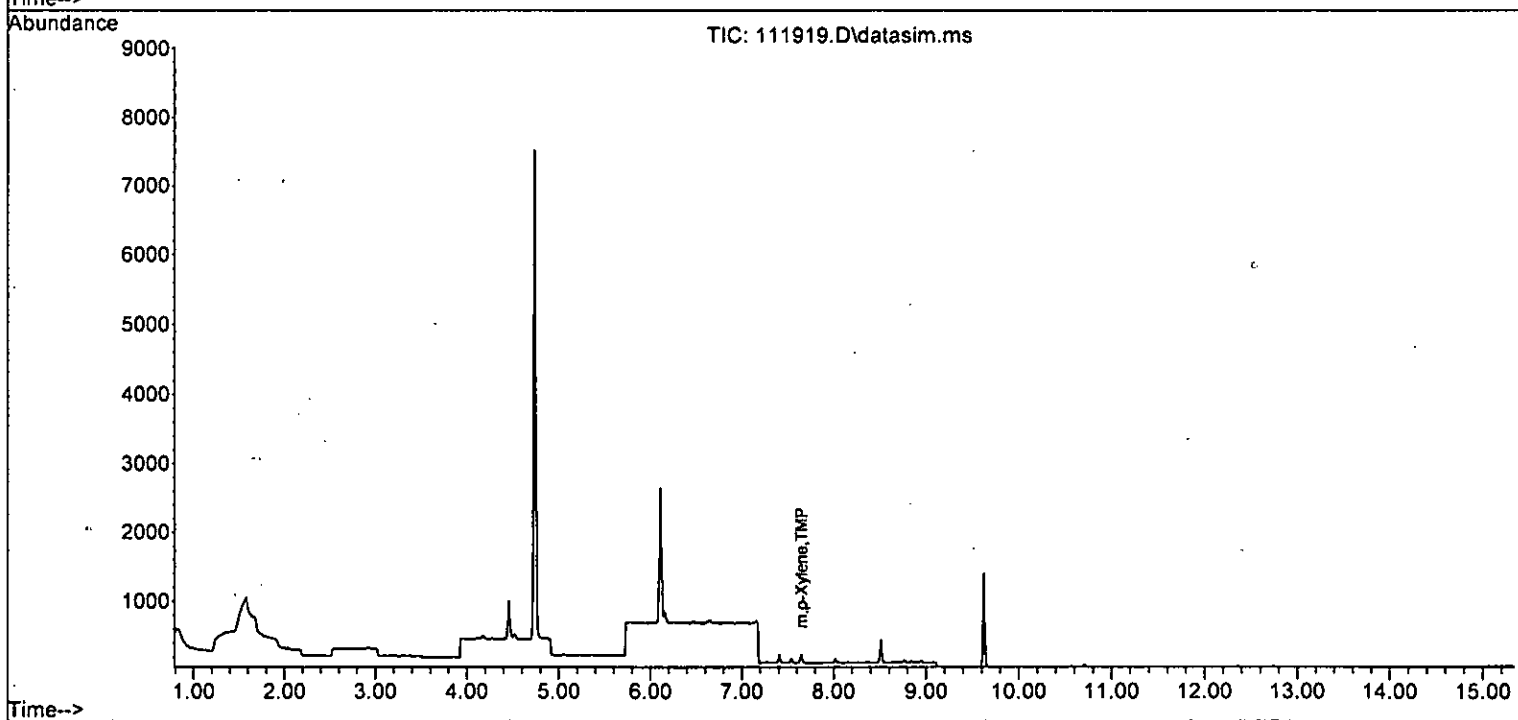
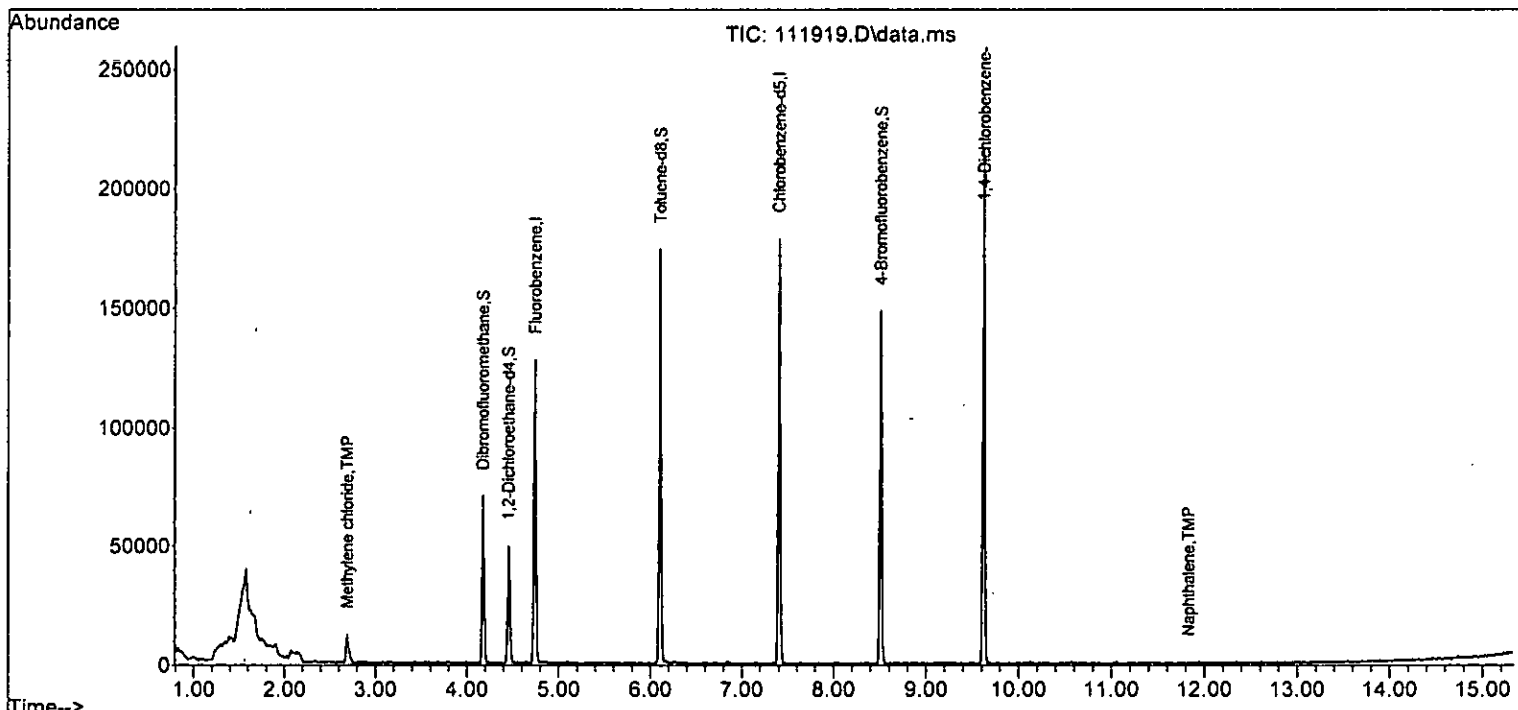
Quant Time: Nov 21 11:55:30 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.00		0		N.D.	
38) cis-1,3-Dichloropropene	0.00		0		N.D.	
40] Toluene	6.16	92	81	Below Cal		91
41) trans-1,3-Dichloropropene	0.00		0		N.D. d	
42) 1,1,2-Trichloroethane	0.00		0		N.D.	
43) 2-Hexanone	6.71	43	40		N.D.	
44) 1,3-Dichloropropane	0.00		0		N.D.	
45] Tetrachloroethene	6.65	164	23	Below Cal		90
46) Dibromochloromethane	0.00		0		N.D.	
47) 1,2-Dibromoethane (EDB)	0.00		0		N.D.	
48) Chlorobenzene	0.00		0		N.D.	
49) Ethylbenzene	7.54	91	66		N.D.	
50) 1,1,1,2-Tetrachloroethane	0.00		0		N.D.	
51] m,p-Xylene	7.65	106	68	0.012	ppb #	78
52) o-Xylene	8.02	106	34		N.D.	
53) Styrene	0.00		0		N.D.	
54) Isopropylbenzene	8.37	105	75		N.D.	
55) Bromoform	0.00		0		N.D.	
58) n-Propylbenzene	8.77	91	95		N.D.	
59) Bromobenzene	0.00		0		N.D.	
60) 1,3,5-Trimethylbenzene	8.85	105	28		N.D.	
61) 1,1,2,2-Tetrachloroethane	0.00		0		N.D.	
62) 1,2,3-Trichloropropane	0.00		0		N.D. d	
63) 2-Chlorotoluene	8.87	91	27		N.D.	
64) 4-Chlorotoluene	8.87	91	27		N.D.	
65) tert-Butylbenzene	0.00		0		N.D.	
66) 1,2,4-Trimethylbenzene	9.29	105	109		N.D.	
67) sec-Butylbenzene	9.46	105	70		N.D.	
68) p-Isopropyltoluene	9.60	119	22		N.D.	
69) 1,3-Dichlorobenzene	0.00		0		N.D.	
70) 1,4-Dichlorobenzene	0.00		0		N.D.	
71) 1,2-Dichlorobenzene	0.00		0		N.D.	
72) 1,2-Dibromo-3-chloropr...	0.00		0		N.D.	
73) 1,2,4-Trichlorobenzene	0.00		0		N.D.	
74) Hexachlorobutadiene	0.00		0		N.D.	
75) Naphthalene	11.83	128	107	0.088	ppb	69
76) 1,2,3-Trichlorobenzene	0.00		0		N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS13\11-19-22\
Data File : 111919.D
Acq On : 20 Nov 2022 03:23 am
Operator : JCM
Sample : 211274-11 1/0.25
Misc : soil
ALS Vial : 14 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Nov 21 11:55:30 2022
Quant Method : D:\Methods\Inst13\VB110522ms13LL.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
QLast Update : Mon Nov 07 15:16:10 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M



Data Path : D:\Proc_GCMS13\11-19-22\
 Data File : 111920.D
 Acq On : 20 Nov 2022 03:46 am
 Operator : JCM
 Sample : 211274-12 1/0.25
 Misc : soil
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 11:55:32 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

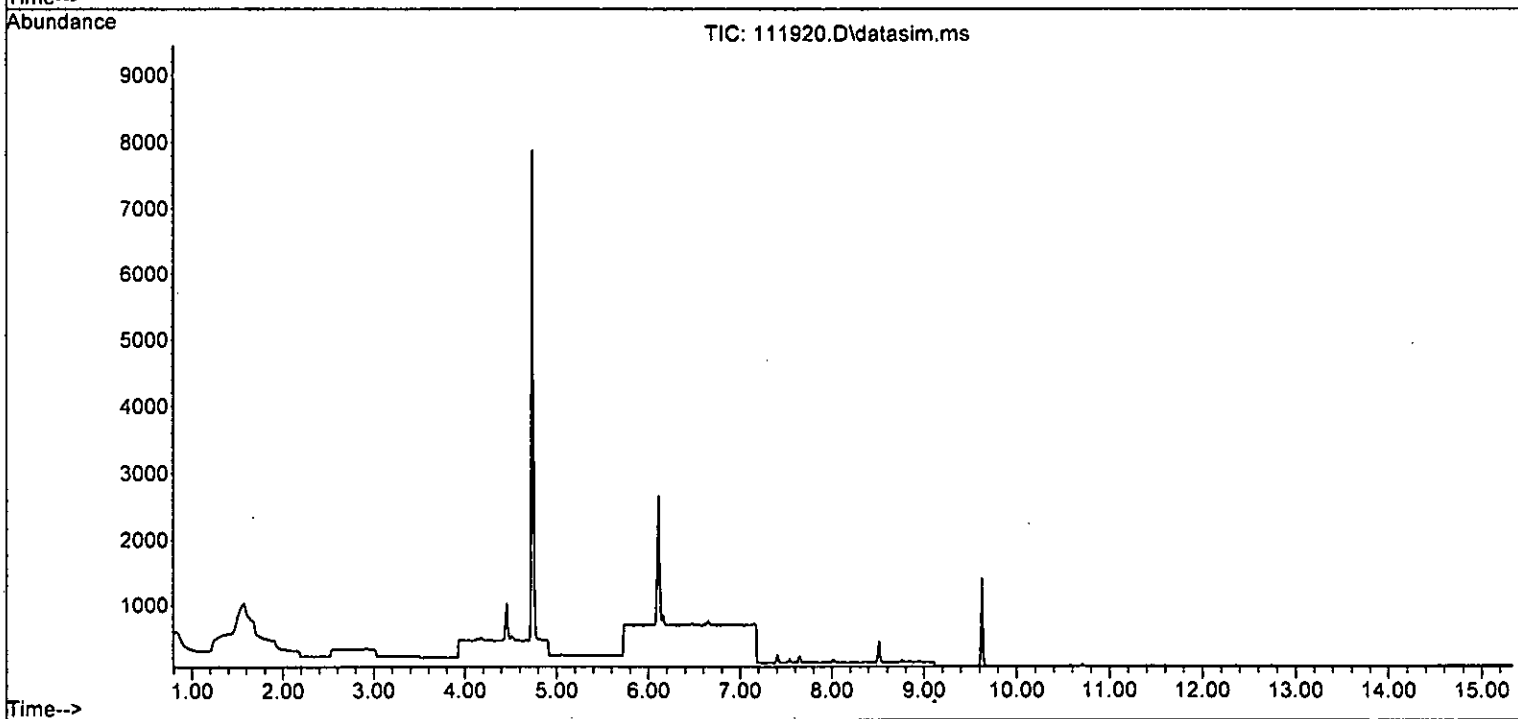
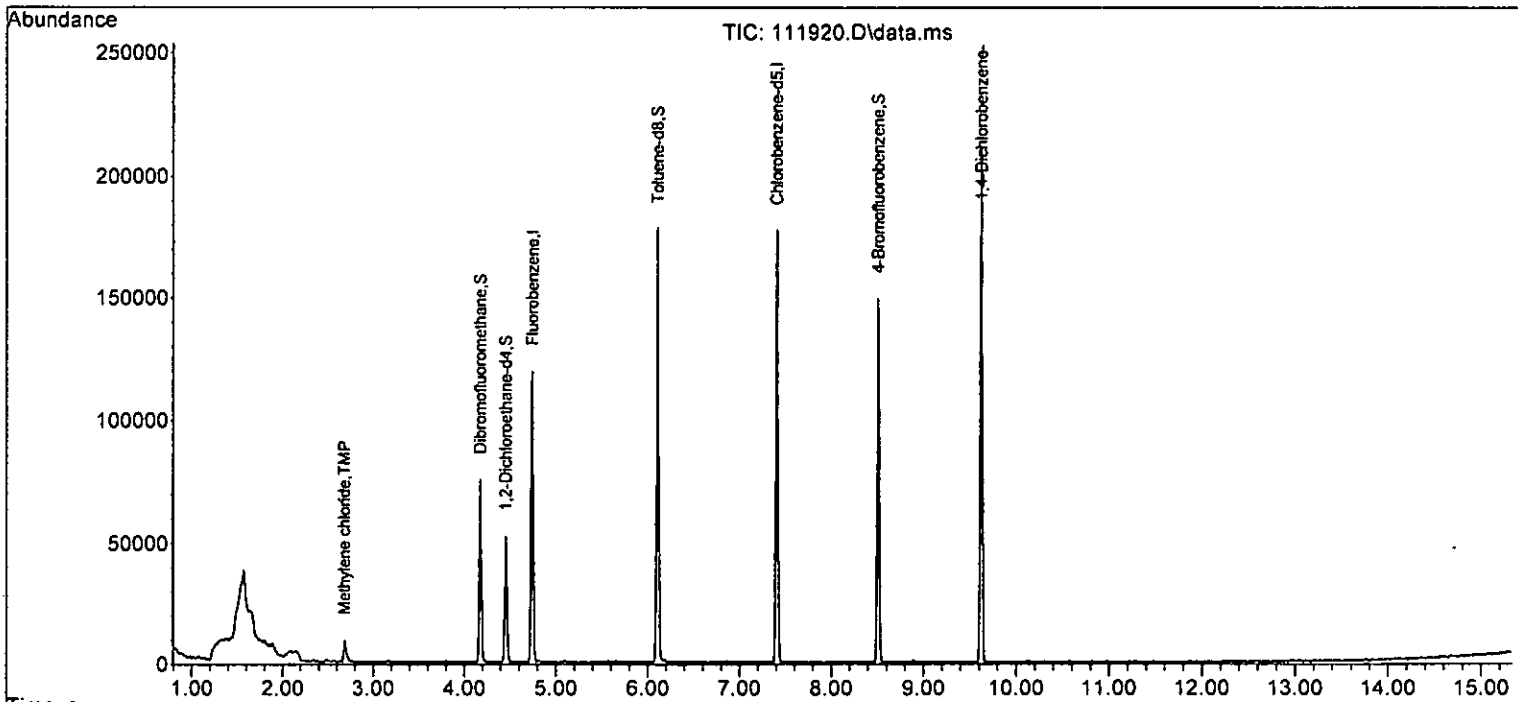
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

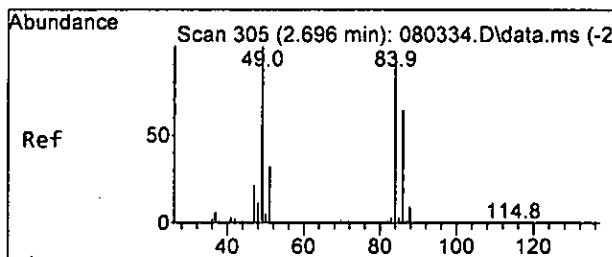
Internal Standards							
1) Fluorobenzene	4.75	96	108530	10.000	ppb	0.00	
39) Chlorobenzene-d5	7.40	117	93740	10.000	ppb	0.00	
56) 1,4-Dichlorobenzene-d4	9.62	152	55210	10.000	ppb	0.00	
System Monitoring Compounds							
3) Dibromofluoromethane	4.17	113	33398	9.596	ppb	0.00	
Spiked Amount	10.000	Range	50 - 150	Recovery	=	96.00%	
30) 1,2-Dichloroethane-d4	4.45	102	6623	9.819	ppb	0.00	
Spiked Amount	10.000	Range	84 - 120	Recovery	=	98.20%	
35) Toluene-d8	6.11	98	97501	9.420	ppb	0.00	
Spiked Amount	10.000	Range	73 - 128	Recovery	=	94.20%	
57) 4-Bromofluorobenzene	8.51	95	37157	9.767	ppb	0.00	
Spiked Amount	10.000	Range	57 - 146	Recovery	=	97.70%	
Target Compounds							
14) Methylene chloride	2.68	84	4803	0.445	ppb	90	Qvalue
26] 1,2-Dichloroethane (EDC)	4.52	62	83	Below Cal		90	
40] Toluene	6.16	92	78	Below Cal	#	77	
45] Tetrachloroethene	6.65	164	23	Below Cal		80	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS13\11-19-22\
Data File : 111920.D
Acq On : 20 Nov 2022 03:46 am
Operator : JCM
Sample : 211274-12 1/0.25
Misc : soil
ALS Vial : 15 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Nov 21 11:55:32 2022
Quant Method : D:\Methods\Inst13\VB110522ms13LL.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
QLast Update : Mon Nov 07 15:16:10 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M

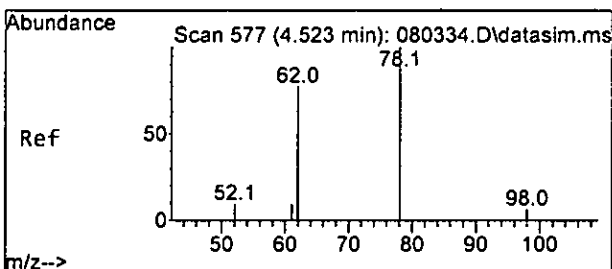
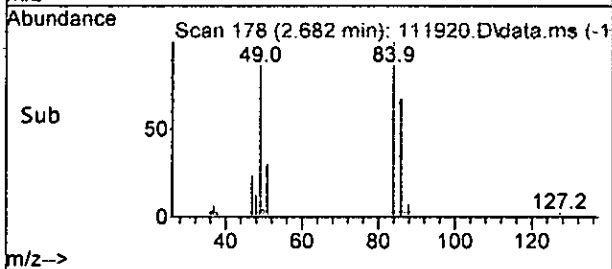
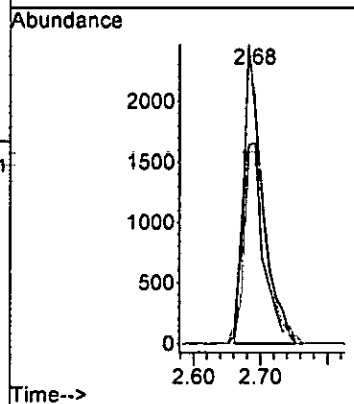
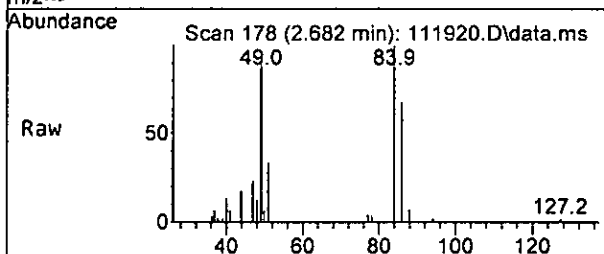




#14
 Methylene chloride
 Concen: 0.445 ppb
 RT: 2.68 min Scan# 178
 Delta R.T. -0.000 min
 Lab File: 111920.D
 Acq: 20 Nov 2022 03:46 am

Tgt Ion: 84 Resp: 4803

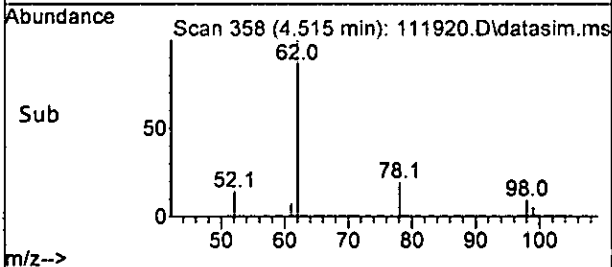
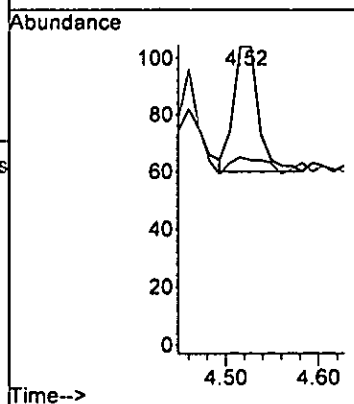
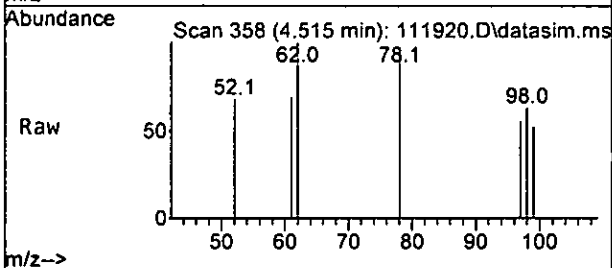
Ion	Ratio	Lower	Upper
84	100		
86	66.8	37.1	97.1
49	94.4	81.3	141.3

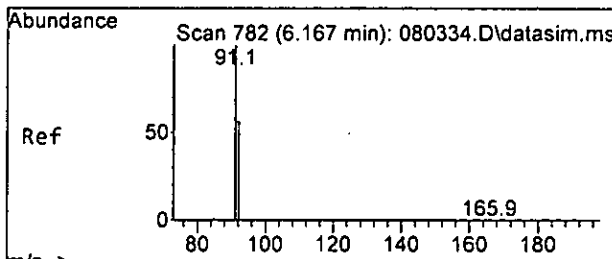


#26
 1,2-Dichloroethane (EDC)
 Concen: Below Cal
 RT: 4.52 min Scan# 358
 Delta R.T. -0.012 min
 Lab File: 111920.D
 Acq: 20 Nov 2022 03:46 am

Tgt Ion: 62 Resp: 83

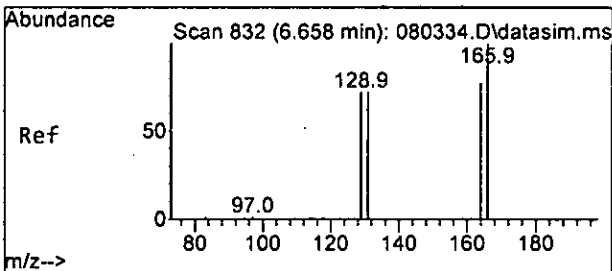
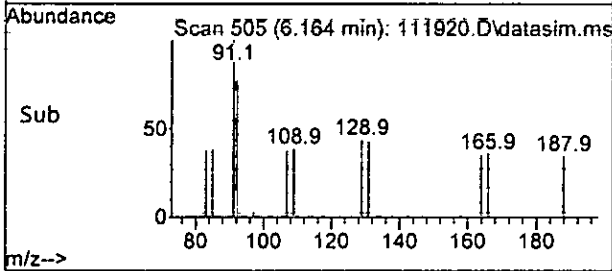
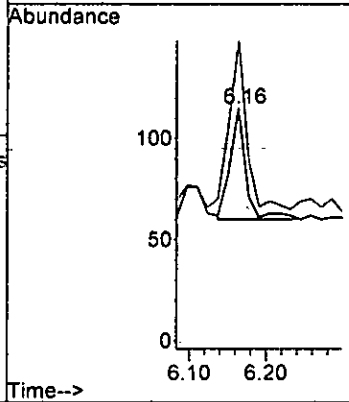
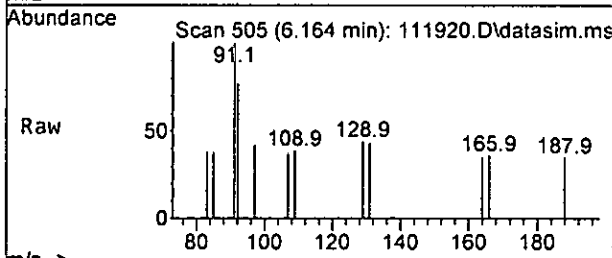
Ion	Ratio	Lower	Upper
62	100		
98	13.6	0.0	40.1





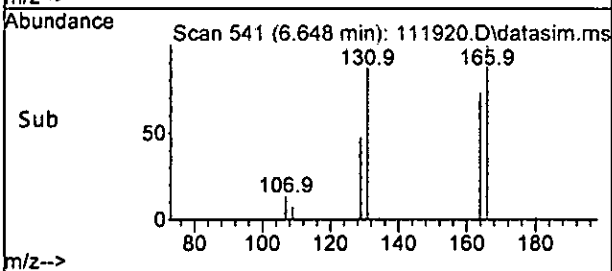
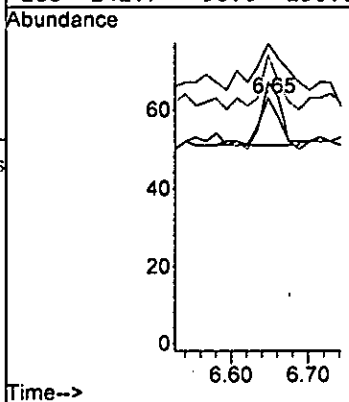
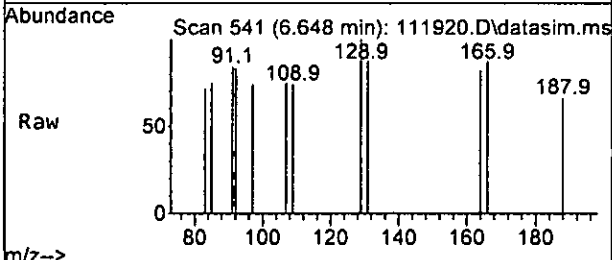
#40
Toluene
Concen: Below Cal
RT: 6.16 min Scan# 505
Delta R.T. -0.000 min
Lab File: 111920.D
Acq: 20 Nov 2022 03:46 am

Tgt Ion: 92 Resp: 78
Ion Ratio Lower Upper
92 100
91 145.5 148.5 208.5#



#45
Tetrachloroethene
Concen: Below Cal
RT: 6.65 min Scan# 541
Delta R.T. -0.000 min
Lab File: 111920.D
Acq: 20 Nov 2022 03:46 am

Tgt Ion: 164 Resp: 23
Ion Ratio Lower Upper
164 100
129 83.3 72.1 132.1
131 116.7 64.8 124.8
166 141.7 90.0 150.0



Data Path : D:\Proc_GCMS13\11-19-22\
 Data File : 111920.D
 Acq On : 20 Nov 2022 03:46 am
 Operator : JCM
 Sample : 211274-12 1/0.25
 Misc : soil
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 11:55:32 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	4.75	96	108530	10.000	ppb	0.00	
39) Chlorobenzene-d5	7.40	117	93740	10.000	ppb	0.00	
56) 1,4-Dichlorobenzene-d4	9.62	152	55210	10.000	ppb	0.00	
System Monitoring Compounds							
3) Dibromofluoromethane	4.17	113	33398	9.596	ppb	0.00	
Spiked Amount	10.000	Range	50 - 150	Recovery	=	96.00%	
30) 1,2-Dichloroethane-d4	4.45	102	6623	9.819	ppb	0.00	
Spiked Amount	10.000	Range	84 - 120	Recovery	=	98.20%	
35) Toluene-d8	6.11	98	97501	9.420	ppb	0.00	
Spiked Amount	10.000	Range	73 - 128	Recovery	=	94.20%	
57) 4-Bromofluorobenzene	8.51	95	37157	9.767	ppb	0.00	
Spiked Amount	10.000	Range	57 - 146	Recovery	=	97.70%	
Target Compounds							
2) Ethanol	2.34	45	112	No Calib			Qvalue
4) Dichlorodifluoromethane	0.00		0	N.D.			
5) Chloromethane	1.28	50	320	N.D.			
6) Vinyl chloride	0.00		0	N.D. d			
7) Bromomethane	0.00		0	N.D.			
8) Chloroethane	0.00		0	N.D.			
9) Trichlorofluoromethane	1.87	101	119	N.D.			
10) 2-Propanol	2.34	45	112	No Calib #			
11) Acetone	0.00		0	N.D.			
12) 1,1-Dichloroethene	0.00		0	N.D. d			
13) Hexane	3.16	57	201	N.D.			
14) Methylene chloride	2.68	84	4803	0.445	ppb	90	
15) t-Butyl alcohol (TBA)	0.00		0	N.D.			
16) Methyl t-butyl ether (...)	0.00		0	N.D.			
17) trans-1,2-Dichloroethene	0.00		0	N.D.			
18) Diisopropyl ether (DIPE)	0.00		0	N.D.			
19) 1,1-Dichloroethane	0.00		0	N.D.			
20) Ethyl t-butyl ether (E...)	0.00		0	N.D.			
21) 2,2-Dichloropropane	3.79	77	108	N.D.			
22) cis-1,2-Dichloroethene	0.00		0	N.D.			
23) Chloroform	4.03	83	37	N.D.			
24) 2-Butanone (MEK)	3.81	43	464	N.D.			
25) t-Amyl methyl ether (T...)	4.64	73	34	N.D.			
26] 1,2-Dichloroethane (EDC)	4.52	62	83	Below Cal		90	
27) 1,1,1-Trichloroethane	0.00		0	N.D.			
28) 1,1-Dichloropropene	0.00		0	N.D.			
29) Carbon tetrachloride	0.00		0	N.D.			
31) Benzene	0.00		0	N.D.			
32) Trichloroethene	0.00		0	N.D. d			
33) 1,2-Dichloropropane	0.00		0	N.D.			
34) Bromodichloromethane	0.00		0	N.D.			
36) Dibromomethane	0.00		0	N.D.			

Data Path : D:\Proc_GCMS13\11-19-22\
 Data File : 111920.D
 Acq On : 20 Nov 2022 03:46 am
 Operator : JCM
 Sample : 211274-12 1/0.25
 Misc : soil
 ALS Vial : 15 Sample Multiplier: 1
 InstName : GCMS13

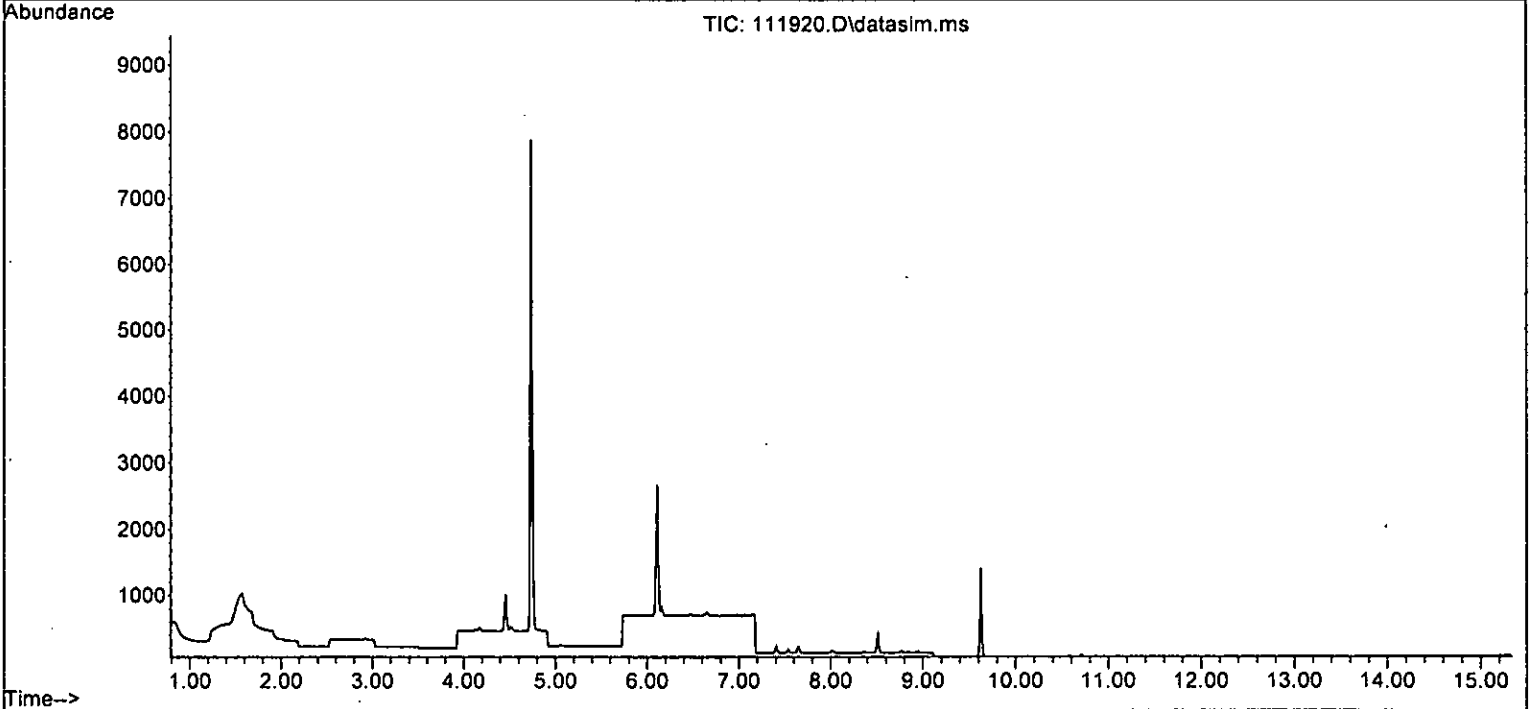
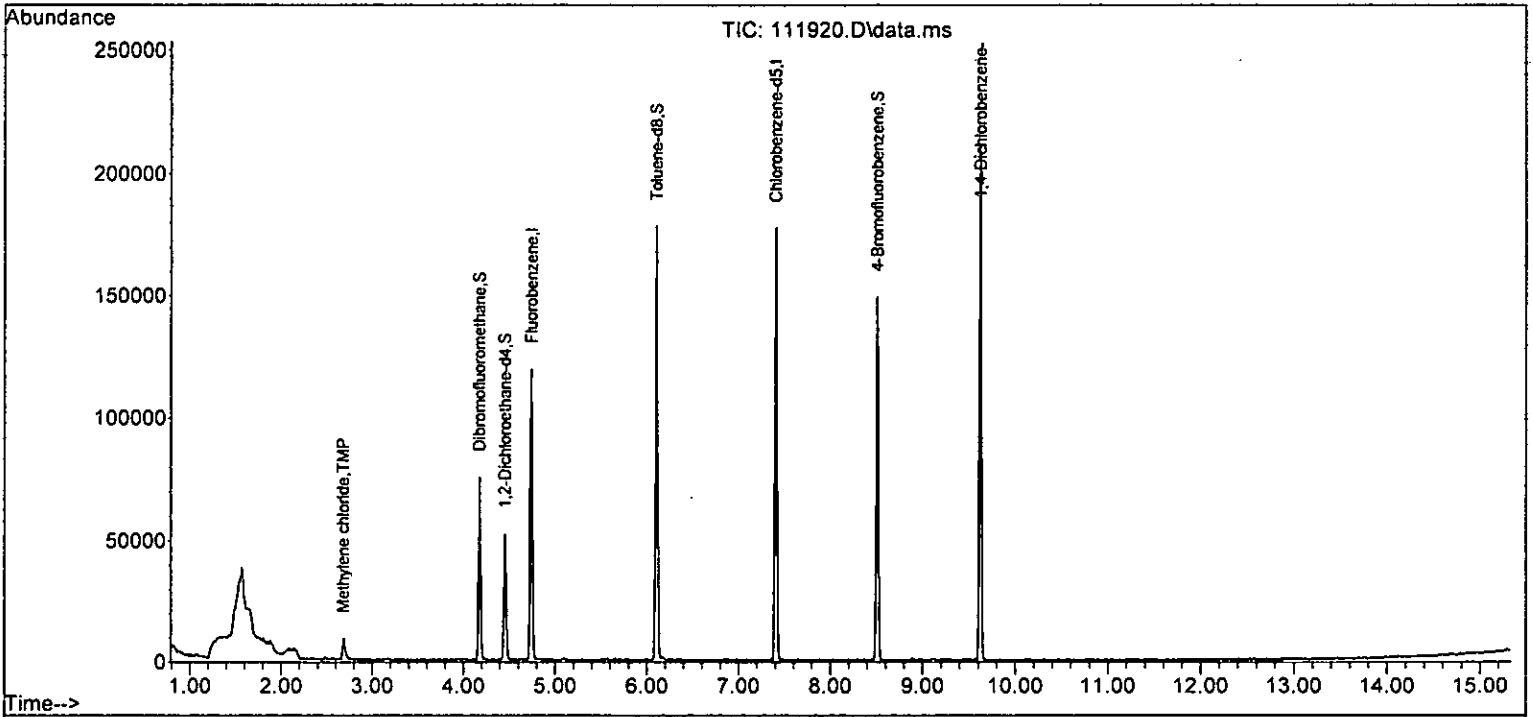
Quant Time: Nov 21 11:55:32 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.00		0		N.D.	
38) cis-1,3-Dichloropropene	0.00		0		N.D.	
40] Toluene	6.16	92	78	Below Cal	#	77
41) trans-1,3-Dichloropropene	0.00		0		N.D. d	
42) 1,1,2-Trichloroethane	0.00		0		N.D.	
43) 2-Hexanone	6.72	43	51		N.D.	
44) 1,3-Dichloropropane	0.00		0		N.D.	
45] Tetrachloroethene	6.65	164	23	Below Cal		80
46) Dibromochloromethane	0.00		0		N.D.	
47) 1,2-Dibromoethane (EDB)	0.00		0		N.D.	
48) Chlorobenzene	0.00		0		N.D.	
49) Ethylbenzene	7.54	91	59		N.D.	
50) 1,1,1,2-Tetrachloroethane	0.00		0		N.D.	
51) m,p-Xylene	7.65	106	57		N.D.	
52) o-Xylene	8.02	106	26		N.D.	
53) Styrene	0.00		0		N.D.	
54) Isopropylbenzene	8.36	105	58		N.D.	
55) Bromoform	0.00		0		N.D.	
58) n-Propylbenzene	8.97	91	56		N.D.	
59) Bromobenzene	8.65	156	28		N.D.	
60) 1,3,5-Trimethylbenzene	9.12	105	51		N.D.	
61) 1,1,2,2-Tetrachloroethane	0.00		0		N.D.	
62) 1,2,3-Trichloropropane	0.00		0		N.D. d	
63) 2-Chlorotoluene	8.97	91	56		N.D.	
64) 4-Chlorotoluene	8.97	91	56		N.D.	
65) tert-Butylbenzene	0.00		0		N.D.	
66) 1,2,4-Trimethylbenzene	9.29	105	26		N.D.	
67) sec-Butylbenzene	9.29	105	26		N.D.	
68) p-Isopropyltoluene	9.60	119	117		N.D.	
69) 1,3-Dichlorobenzene	0.00		0		N.D.	
70) 1,4-Dichlorobenzene	0.00		0		N.D.	
71) 1,2-Dichlorobenzene	0.00		0		N.D.	
72) 1,2-Dibromo-3-chloropr...	0.00		0		N.D.	
73) 1,2,4-Trichlorobenzene	0.00		0		N.D.	
74) Hexachlorobutadiene	0.00		0		N.D.	
75) Naphthalene	0.00		0		N.D. d	
76) 1,2,3-Trichlorobenzene	0.00		0		N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS13\11-19-22\
Data File : 111920.D
Acq On : 20 Nov 2022 03:46 am
Operator : JCM
Sample : 211274-12 1/0.25
Misc : soil
ALS Vial : 15 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Nov 21 11:55:32 2022
Quant Method : D:\Methods\Inst13\VB110522ms13LL.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
QLast Update : Mon Nov 07 15:16:10 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M



Data Path : D:\Proc_GCMS13\11-19-22\
 Data File : 111921.D
 Acq On : 20 Nov 2022 04:09 am
 Operator : JCM
 Sample : 211274-13 1/0.25
 Misc : soil
 ALS Vial : 16 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 11:55:34 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

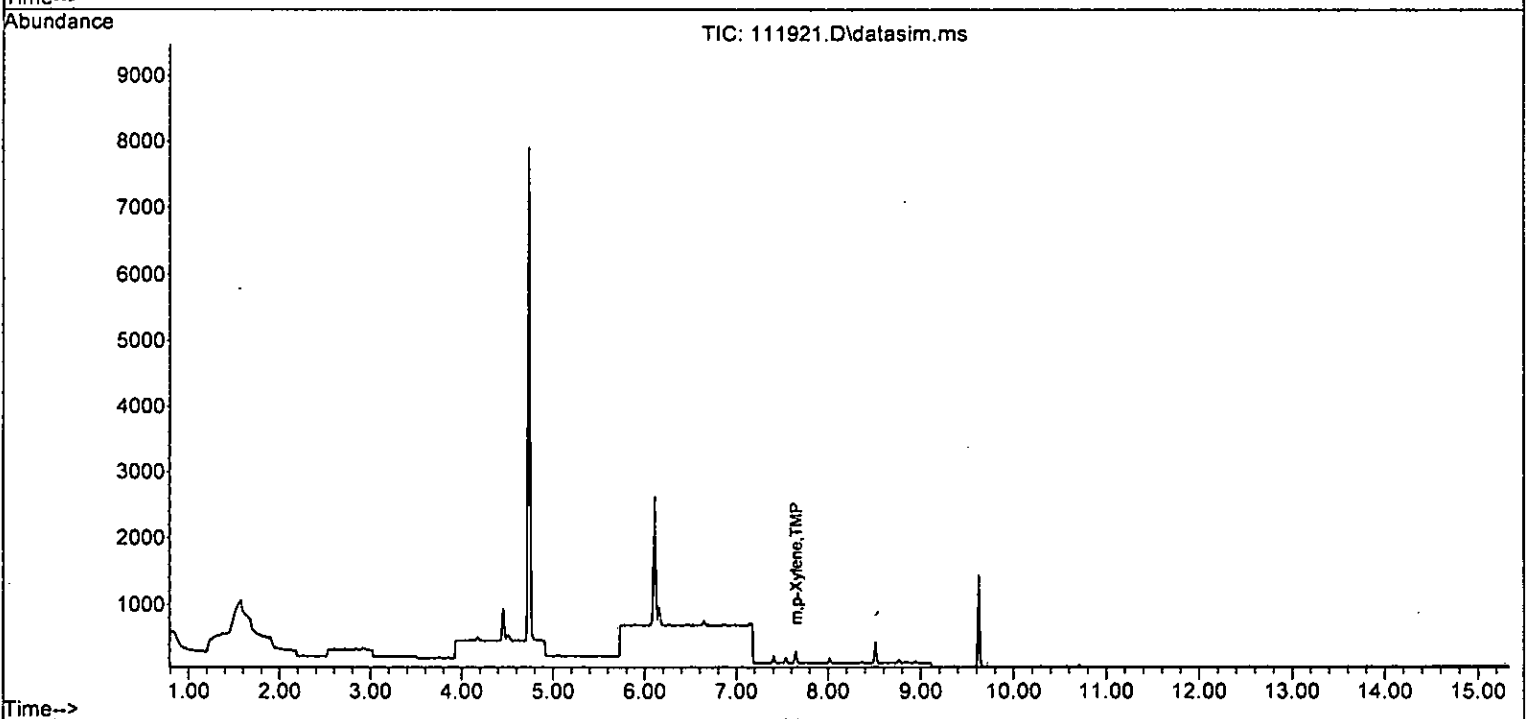
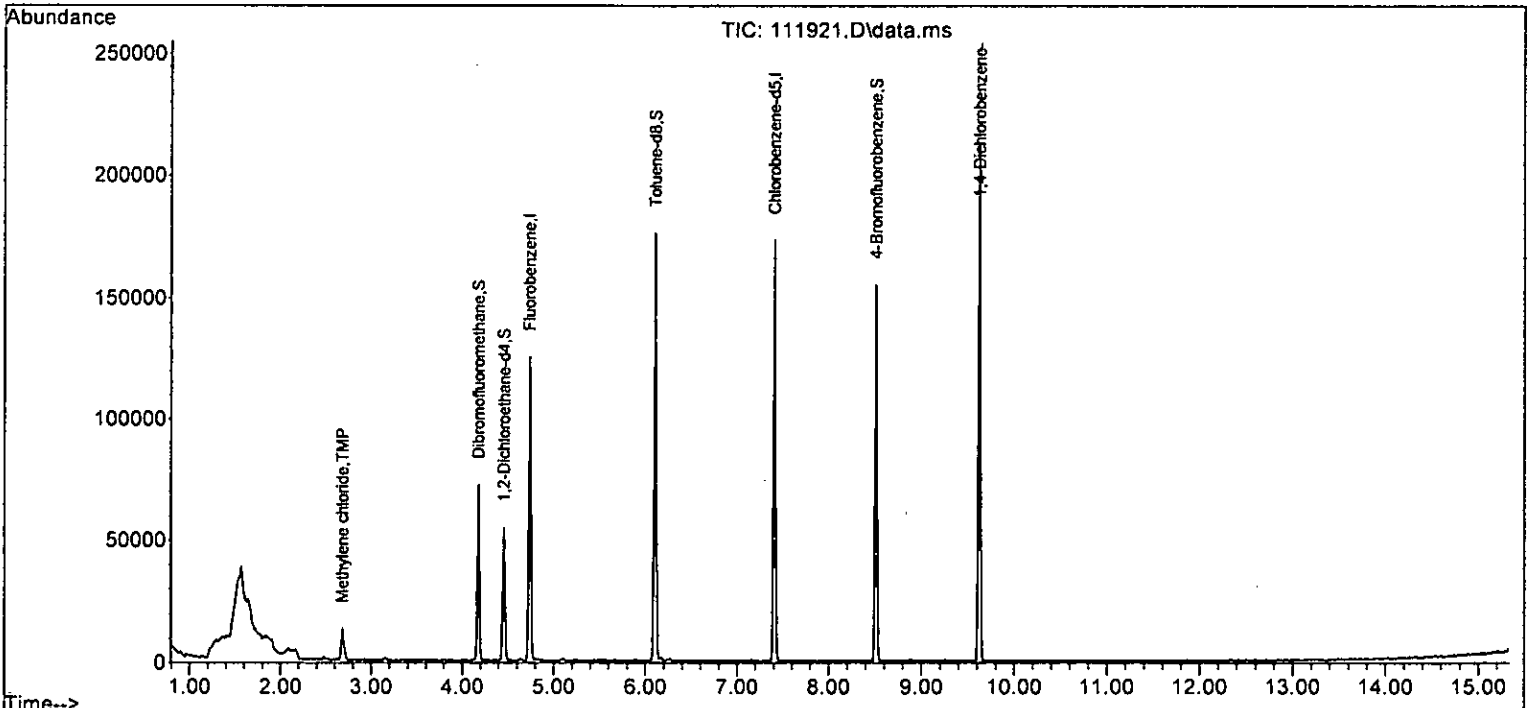
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

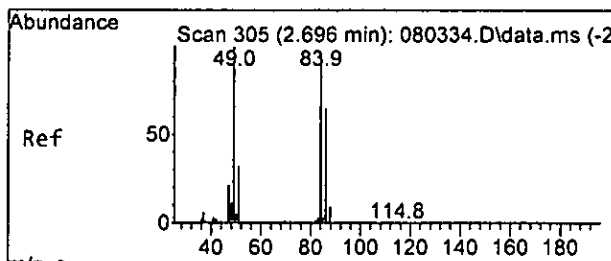
Internal Standards						
1) Fluorobenzene	4.73	96	106070	10.000	ppb	-0.01
39) Chlorobenzene-d5	7.40	117	92784	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	56293	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.17	113	33287	9.786	ppb	0.00
Spiked Amount	10.000	Range	50 - 150	Recovery	=	97.90%
30) 1,2-Dichloroethane-d4	4.45	102	6007	9.113	ppb	0.00
Spiked Amount	10.000	Range	84 - 120	Recovery	=	91.10%
35) Toluene-d8	6.11	98	96477	9.537	ppb	0.00
Spiked Amount	10.000	Range	73 - 128	Recovery	=	95.40%
57) 4-Bromofluorobenzene	8.51	95	36972	9.532	ppb	0.00
Spiked Amount	10.000	Range	57 - 146	Recovery	=	95.30%
Target Compounds						
14) Methylene chloride	2.68	84	6307	1.014	ppb	90
21) 2,2-Dichloropropane	3.76	77	59	Below Cal		48
26] 1,2-Dichloroethane (EDC)	4.52	62	85	Below Cal		98
45] Tetrachloroethene	6.65	164	39	Below Cal		77
51] m,p-Xylene	7.65	106	103	0.018	ppb #	71

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS13\11-19-22\
Data File : 111921.D
Acq On : 20 Nov 2022 04:09 am
Operator : JCM
Sample : 211274-13 1/0.25
Misc : soil
ALS Vial : 16 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Nov 21 11:55:34 2022
Quant Method : D:\Methods\Inst13\VB110522ms13LL.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
QLast Update : Mon Nov 07 15:16:10 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M

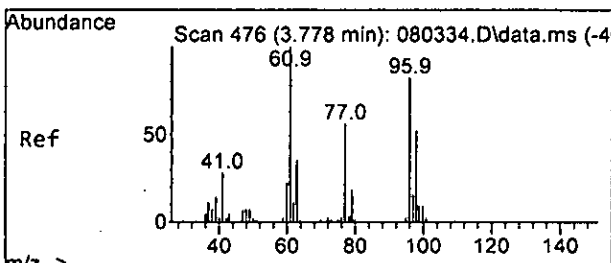
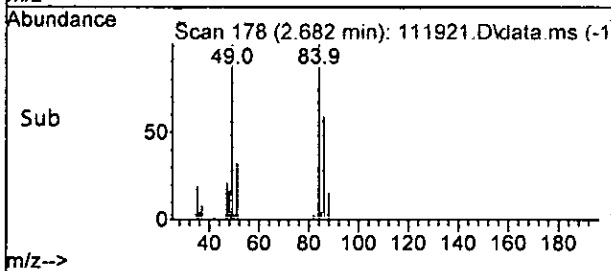
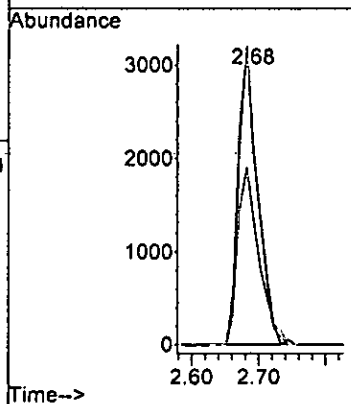
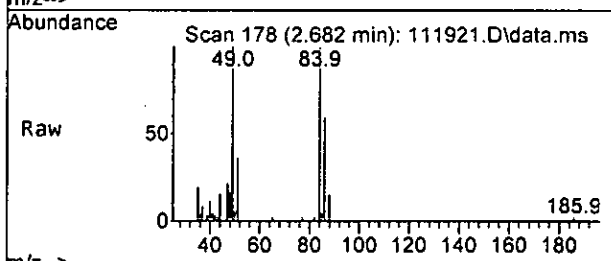




#14
 Methylene chloride
 Concen: 1.014 ppb
 RT: 2.68 min Scan# 178
 Delta R.T. -0.000 min
 Lab File: 111921.D
 Acq: 20 Nov 2022 04:09 am

Tgt Ion: 84 Resp: 6307

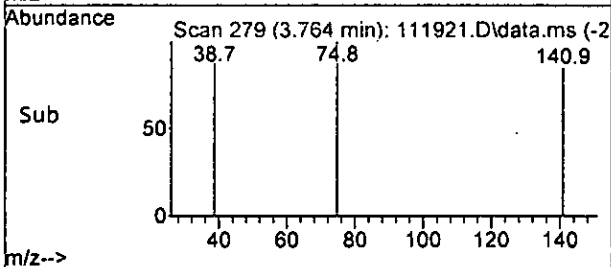
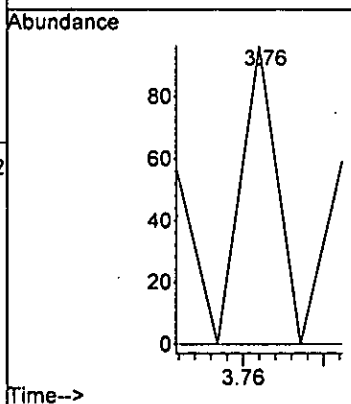
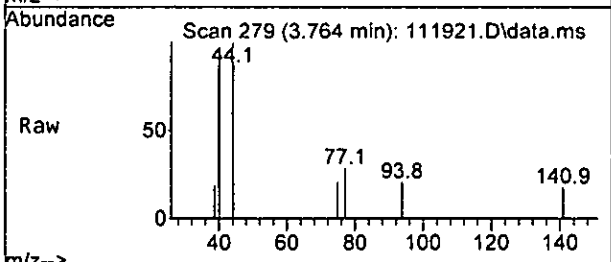
Ion	Ratio	Lower	Upper
84	100		
86	59.2	37.1	97.1
49	100.0	81.3	141.3

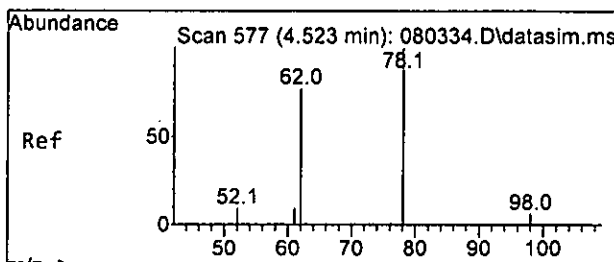


#21
 2,2-Dichloropropane
 Concen: Below Cal
 RT: 3.76 min Scan# 279
 Delta R.T. -0.011 min
 Lab File: 111921.D
 Acq: 20 Nov 2022 04:09 am

Tgt Ion: 77 Resp: 59

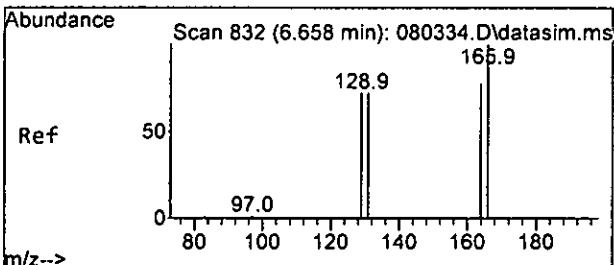
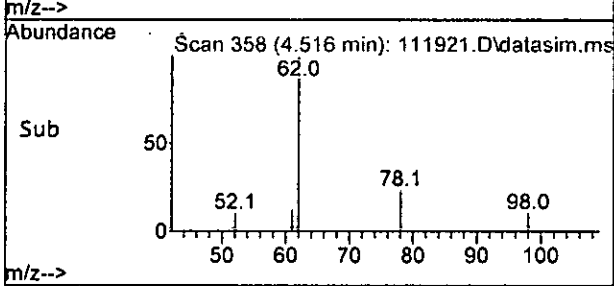
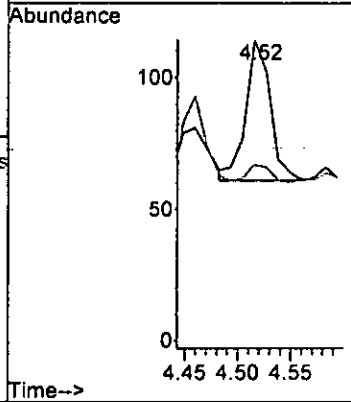
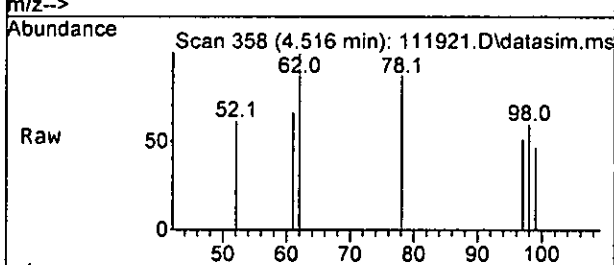
Ion	Ratio	Lower	Upper
77	100		
97	0.0	0.0	56.8





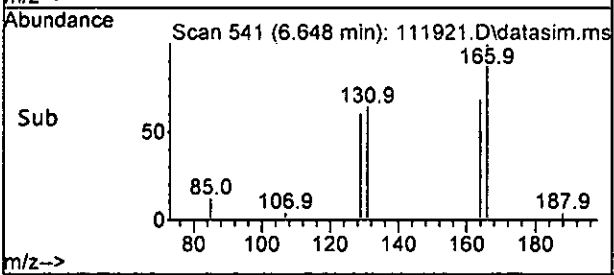
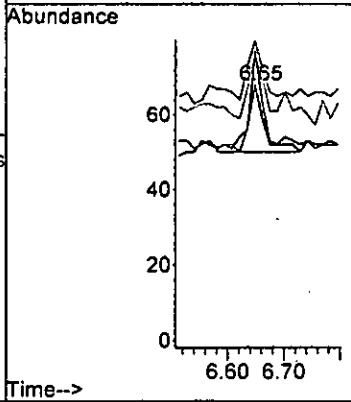
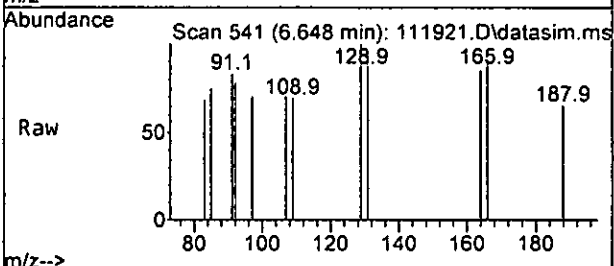
#26
 1,2-Dichloroethane (EDC)
 Concen: Below Cal
 RT: 4.52 min Scan# 358
 Delta R.T. -0.011 min
 Lab File: 111921.D
 Acq: 20 Nov 2022 04:09 am

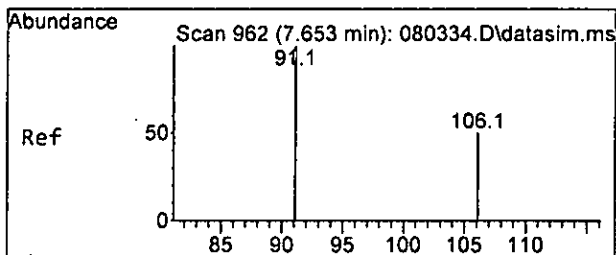
Tgt Ion: 62 Resp: 85
 Ion Ratio Lower Upper
 62 100
 98 9.4 0.0 40.1



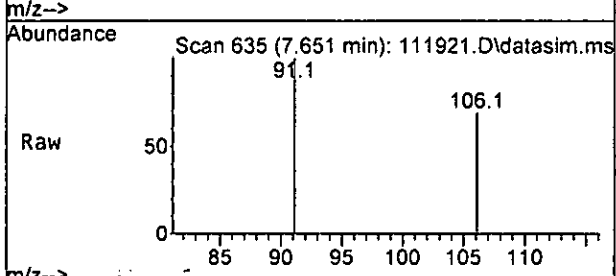
#45
 Tetrachloroethene
 Concen: Below Cal
 RT: 6.65 min Scan# 541
 Delta R.T. -0.000 min
 Lab File: 111921.D
 Acq: 20 Nov 2022 04:09 am

Tgt Ion: 164 Resp: 39
 Ion Ratio Lower Upper
 164 100
 129 72.2 72.1 132.1
 131 77.8 64.8 124.8
 166 144.4 90.0 150.0

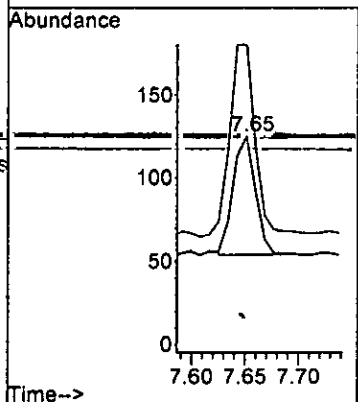
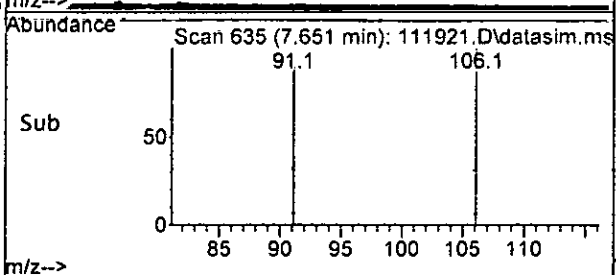




#51
 m,p-Xylene
 Concen: 0.018 ppb
 RT: 7.65 min Scan# 635
 Delta R.T. 0.000 min
 Lab File: 111921.D
 Acq: 20 Nov 2022 04:09 am



Tgt Ion: 106 Resp: 103
 Ion Ratio Lower Upper
 106 100
 91 160.6 175.7 235.7#



Data Path : D:\Proc_GCMS13\11-19-22\
 Data File : 111921.D
 Acq On : 20 Nov 2022 04:09 am
 Operator : JCM
 Sample : 211274-13 1/0.25
 Misc : soil
 ALS Vial : 16 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 11:55:34 2022
 Quant Method : D:\Methods\Inst13\VB110522ms13LL.M
 Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
 QLast Update : Mon Nov 07 15:16:10 2022
 Response via : Initial Calibration
 DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Fluorobenzene	4.73	96	106070	10.000	ppb	-0.01	
39) Chlorobenzene-d5	7.40	117	92784	10.000	ppb	0.00	
56) 1,4-Dichlorobenzene-d4	9.62	152	56293	10.000	ppb	0.00	
System Monitoring Compounds							
3) Dibromofluoromethane	4.17	113	33287	9.786	ppb	0.00	
Spiked Amount	10.000	Range	50 - 150	Recovery	=	97.90%	
30) 1,2-Dichloroethane-d4	4.45	102	6007	9.113	ppb	0.00	
Spiked Amount	10.000	Range	84 - 120	Recovery	=	91.10%	
35) Toluene-d8	6.11	98	96477	9.537	ppb	0.00	
Spiked Amount	10.000	Range	73 - 128	Recovery	=	95.40%	
57) 4-Bromofluorobenzene	8.51	95	36972	9.532	ppb	0.00	
Spiked Amount	10.000	Range	57 - 146	Recovery	=	95.30%	
Target Compounds							
							Qvalue
2) Ethanol	0.00		0		N.D.		
4) Dichlorodifluoromethane	0.00		0		N.D.		
5) Chloromethane	1.28	50	225		N.D.		
6) Vinyl chloride	0.00		0		N.D.		
7) Bromomethane	0.00		0		N.D.	d	
8) Chloroethane	0.00		0		N.D.		
9) Trichlorofluoromethane	1.84	101	91		N.D.		
10) 2-Propanol	0.00		0		N.D.		
11) Acetone	0.00		0		N.D.		
12) 1,1-Dichloroethene	0.00		0		N.D.	d	
13) Hexane	3.15	57	215		N.D.		
14) Methylene chloride	2.68	84	6307	1.014	ppb		90
15) t-Butyl alcohol (TBA)	0.00		0		N.D.		
16) Methyl t-butyl ether (...)	0.00		0		N.D.		
17) trans-1,2-Dichloroethene	0.00		0		N.D.		
18) Diisopropyl ether (DIPE)	0.00		0		N.D.		
19) 1,1-Dichloroethane	0.00		0		N.D.		
20) Ethyl t-butyl ether (E...)	0.00		0		N.D.		
21) 2,2-Dichloropropane	3.76	77	59		Below Cal		48
22) cis-1,2-Dichloroethene	0.00		0		N.D.		
23) Chloroform	0.00		0		N.D.		
24) 2-Butanone (MEK)	3.79	43	426		N.D.		
25) t-Amyl methyl ether (T...)	0.00		0		N.D.		
26] 1,2-Dichloroethane (EDC)	4.52	62	85		Below Cal		98
27) 1,1,1-Trichloroethane	0.00		0		N.D.		
28) 1,1-Dichloropropene	0.00		0		N.D.		
29) Carbon tetrachloride	0.00		0		N.D.		
31) Benzene	4.50	78	97		N.D.		
32) Trichloroethene	0.00		0		N.D.	d	
33) 1,2-Dichloropropane	0.00		0		N.D.		
34) Bromodichloromethane	0.00		0		N.D.		
36) Dibromomethane	0.00		0		N.D.		

Data Path : D:\Proc_GCMS13\11-19-22\
 Data File : 111921.D
 Acq On : 20 Nov 2022 04:09 am
 Operator : JCM
 Sample : 211274-13 1/0.25
 Misc : soil
 ALS Vial : 16 Sample Multiplier: 1
 InstName : GCMS13

Quant Time: Nov 21 11:55:34 2022
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.00		0		N.D.	
38) cis-1,3-Dichloropropene	0.00		0		N.D.	
40) Toluene	6.16	92	145		N.D.	
41) trans-1,3-Dichloropropene	0.00		0		N.D.	d
42) 1,1,2-Trichloroethane	0.00		0		N.D.	
43) 2-Hexanone	6.76	43	40		N.D.	
44) 1,3-Dichloropropane	0.00		0		N.D.	
45] Tetrachloroethene	6.65	164	39	Below Cal		77
46) Dibromochloromethane	0.00		0		N.D.	
47) 1,2-Dibromoethane (EDB)	0.00		0		N.D.	
48) Chlorobenzene	0.00		0		N.D.	
49) Ethylbenzene	7.54	91	104		N.D.	
50) 1,1,1,2-Tetrachloroethane	0.00		0		N.D.	
51] m,p-Xylene	7.65	106	103	0.018	ppb #	71
52) o-Xylene	8.02	106	37		N.D.	
53) Styrene	8.03	104	27		N.D.	
54) Isopropylbenzene	8.37	105	82		N.D.	
55) Bromoform	0.00		0		N.D.	
58) n-Propylbenzene	8.76	91	117		N.D.	
59) Bromobenzene	0.00		0		N.D.	
60) 1,3,5-Trimethylbenzene	8.86	105	27		N.D.	
61) 1,1,2,2-Tetrachloroethane	0.00		0		N.D.	
62) 1,2,3-Trichloropropane	0.00		0		N.D.	d
63) 2-Chlorotoluene	8.76	91	117		N.D.	
64) 4-Chlorotoluene	8.76	91	117		N.D.	
65) tert-Butylbenzene	9.30	119	54		N.D.	
66) 1,2,4-Trimethylbenzene	9.29	105	144		N.D.	
67) sec-Butylbenzene	9.63	105	25		N.D.	
68) p-Isopropyltoluene	0.00		0		N.D.	
69) 1,3-Dichlorobenzene	9.62	146	27		N.D.	
70) 1,4-Dichlorobenzene	9.62	146	27		N.D.	
71) 1,2-Dichlorobenzene	0.00		0		N.D.	
72) 1,2-Dibromo-3-chloropr...	0.00		0		N.D.	
73) 1,2,4-Trichlorobenzene	0.00		0		N.D.	
74) Hexachlorobutadiene	0.00		0		N.D.	
75) Naphthalene	0.00		0		N.D.	d
76) 1,2,3-Trichlorobenzene	0.00		0		N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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